



## VERIFICATION OF COMPLIANCE

This Verification of Compliance is hereby issued to the below named company. The test results of this report relate only to the tested sample identified in this report.

### Technical Standard: EMC DIRECTIVE 2014/30/EU (EN55022 / EN55024)

(Operation Environment: Information Technology Equipment)

#### General Information

Applicant: N/A

#### Product Description

EUT Description: Switching Power Supply  
Brand Name: Mean Well  
Model Number: GST160Ax (x=12,15,20,24,48)

#### Measurement Standard

EN 55022:2010  
EN 55011:2009/A1:2010(CISPR 11:2009/A1:2010)  
EN 61000-6-3: 2007/A1:2011  
EN 61000-3-2: 2014  
EN 61000-3-3: 2013  
EN 55024: 2010  
EN 61000-6-1:2007  
EN 61204-3: 2000:Low severity level  
EN 61000-4-2:2009; EN 61000-4-3:2010  
EN 61000-4-4:2012 ; EN 61000-4-5:2014 ; EN 61000-4-6:2014  
EN 61000-4-8:2010 ; EN 61000-4-11:2004

#### Measurement Facilities

Kunshan BU. Name: **Compliance Certification Services Inc.**  
10#Weiye Rd, Innovation Park, Eco. & Tec, Development Zone, Kunshan city,  
JiangSu, (215300) China.  
Tel: + 86-512-57355888/ FAX: +86-512-57370818

This device has been shown to be in compliance with and was tested in accordance with the measurement procedures specified in the Standards & Specifications listed above and as indicated in the measurement report number:

**C150522E03-ET**

Hui.Li

Hui.Li /EMC Manager

Date: June 9, 2015



TESTING CERT #2541.01



程智电子科技(昆山)有限公司  
Compliance Certification Services(KunShan)Inc.

# CE EMC TEST REPORT

for

**Product Name: Switching Power Supply**  
**Model No.: GST160Ax (x=12,15,20,24,48)**  
**Test Report Number:**  
**C150522E03-ET**

Issued to:

N/A

N/A

Issued by:

**Compliance Certification Services Inc.**

**Kunshan Laboratory**

**No.10 Weiye Rd., Innovation park, Eco&Tec,  
Development Zone, Kunshan City, Jiangsu, China**

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**Issued Dated: June 9, 2015**



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**Revision History**

Version	Report No	Date	Description	Revised By
Rev 00	C150522E03-ET	June 9, 2015	Initial Issue	Wendy.Wei

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# 1 TEST CERTIFICATION

Product Name:	Switching Power Supply	
Model Name:	GST160Ax (x=12,15,20,24,48)	
Brand Name:	Mean Well	
Applicant:	N/A	
Address:	N/A	
Manufacturer:	MEAN WELL ENTERPRISES CO., LTD	
Address:	No.28, Wuquan 3rd Rd., Wugu Dist., New Taipei City 248, Taiwan	
Date of Test:	May 22~28, 2015	
Test Voltage:	230VAC, 50Hz ; 120VAC, 60Hz	
Applicable Standards:	EN 55011:2009/A1:2010 (CISPR 11:2009/A1:2010) EN 55022:2010 EN 61000-6-3: 2007/A1:2011 EN 61000-3-2:2014 EN 61000-3-3:2013	EN 55024 :2010 EN 61000-6-1:2007 EN 61204-3: 2000:Low severity level EN 61000-4-2:2009 EN 61000-4-3:2010 EN 61000-4-4:2012 EN 61000-4-5:2014 EN 61000-4-6:2014 EN 61000-4-8:2010 EN 61000-4-11:2004

- Note:** 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.  
2. The information of measurement uncertainty is available upon the customer's request.

## Deviation from Applicable Standard

None

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements of technical standards specified above under the EMC Directive 2014/30/EU. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties

Approved by:

Reviewed by:

Hui.Li

Ken.Yao

Hui.Li  
EMC Manager  
Compliance Certification Service Inc.

Ken.Yao  
EMC Section Manager  
Compliance Certification Service Inc.

## 2 TEST RESULT SUMMARY

EMISSION			
Standard	Item	Result	Minimum Requirement
EN 55022	Conducted (Power Port)	PASS	Meets Class B Limit
	Conducted (Telecom port)	N/A	Meets Class B Limit
	Radiated	PASS	Meets Class B Limit
EN 61000-3-2	Harmonic current emissions	PASS	Meets the requirements
EN 61000-3-3	Voltage fluctuations & flicker	PASS	Meets the requirements

IMMUNITY			
Standard	Item	Result	Minimum Requirement
EN 61000-4-2	ESD	PASS	Meets the requirements of Performance Criterion B
EN 61000-4-3	RS	PASS	Meets the requirements of Performance Criterion A
EN 61000-4-4	EFT	PASS	Meets the requirements of Performance Criterion B
EN 61000-4-5	Surge	PASS	Meets the requirements of Performance Criterion B
EN 61000-4-6	CS	PASS	Meets the requirements of Performance Criterion A
EN 61000-4-8	PFMF	PASS	Meets the requirements of Performance Criterion A
EN 61000-4-11	Voltage dips & voltage variations	PASS	Meets the requirements of <b>Voltage Dips:</b> 1) >95% reduction Performance Criterion B 2) 30% reduction Performance Criterion C <b>Voltage Interruptions:</b> 1) >95% reduction Performance Criterion C

**Note:**

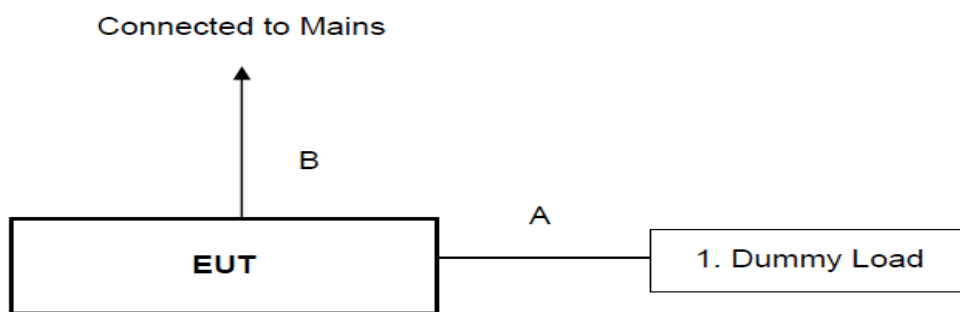
1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.
2. The information of measurement uncertainty is available upon the customer's request.
3. The product listed above, is evaluated by test on representative samples which cover the matrix of configurations. No change or modification is made on the product hardware during the test to achieve compliance. It's confirmed to be in compliance with the requirements of the about standards..

### 3 EUT DESCRIPTION

Product Name:	Switching Power Supply
Model Name:	GST160Ax (x=12,15,20,24,48)
Brand Name:	Mean Well
Applicant:	N/A
Identify Number:	C150522E03-ET
Received Date:	May 22, 2015
EUT Power Rating:	Model No.: GST160A12 INPUT:100-240VAC 50/60Hz 2.0A OUTPUT:12V ===11.5A,138W MAX  Model No.: GST160A15 INPUT:100-240VAC 50/60Hz 2.0A OUTPUT:15V ===9.6A,144W MAX  Model No.: GST160A20 INPUT:100-240VAC 50/60Hz 2.0A OUTPUT:20V ===8A,160W MAX  Model No.: GST160A24 INPUT:100-240VAC 50/60Hz 2.0A OUTPUT:24V ===6.67A,160W MAX  Model No.: GST160A48 INPUT:100-240VAC 50/60Hz 2.0A OUTPUT:48V ===3.34A,160W MAX

#### I/O PORT:

I/O PORT TYPE	Q'TY	TESTED WITH
1). AC IN Port	1	1
2). DC OUT Port	1	1

**Connecting Cables :**

No.	Cable	Length	Shielded	Core	Shielded Backshell	Supported by lab.	Note
A	Power Cable	1-1.2m		✓			
B	AC Power Cable	1.8m				✓	



## 4 TEST METHODOLOGY

### 4.1. DECISION OF FINAL TEST MODE

1. The EUT was tested together with the above additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

The following test mode(s) were scanned during the preliminary test:

Mode 1:230V AC IN Full load mode with GST160A12 of 12V Adapter	3PIN
Mode 2:230V AC IN Full load mode with GST160A15 of 15V Adapter	3PIN
Mode 3:230V AC IN Full load mode with GST160A20 of 20V Adapter	3PIN
Mode 4:230V AC IN Full load mode with GST160A24 of 24V Adapter	3PIN
Mode 5:230V AC IN Full load mode with GST160A48 of 48V Adapter	3PIN
Mode 6:230V AC IN Half load mode with GST160A12 of 12V Adapter	3PIN
Mode 7:230V AC IN Half load mode with GST160A15 of 15V Adapter	3PIN
Mode 8:230V AC IN Half load mode with GST160A20 of 20V Adapter	3PIN
Mode 9:230V AC IN Half load mode with GST160A24 of 24V Adapter	3PIN
Mode 10:230V AC IN Half load mode with GST160A48 of 48V Adapter	3PIN
Mode 11:120V AC IN Full load mode with GST160A12 of 12V Adapter	3PIN
Mode 12:120V AC IN Full load mode with GST160A15 of 15V Adapter	3PIN
Mode 13:120V AC IN Full load mode with GST160A20 of 20V Adapter	3PIN
Mode 14:120V AC IN Full load mode with GST160A24 of 24V Adapter	3PIN
Mode 15:120V AC IN Full load mode with GST160A48 of 48V Adapter	3PIN
Mode 16:120V AC IN Half load mode with GST160A12 of 12V Adapter	3PIN
Mode 17:120V AC IN Half load mode with GST160A15 of 15V Adapter	3PIN
Mode 18:120V AC IN Half load mode with GST160A20 of 20V Adapter	3PIN
Mode 19:120V AC IN Half load mode with GST160A24 of 24V Adapter	3PIN
Mode 20:120V AC IN Half load mode with GST160A48 of 48V Adapter	3PIN
Mode 21:230V AC IN Full load mode with GST160A12 of 12V Adapter	2PIN
Mode 22:230V AC IN Full load mode with GST160A15 of 15V Adapter	2PIN
Mode 23:230V AC IN Full load mode with GST160A20 of 20V Adapter	2PIN
Mode 24:230V AC IN Full load mode with GST160A24 of 24V Adapter	2PIN
Mode 25:230V AC IN Full load mode with GST160A48 of 48V Adapter	2PIN
Mode 26:230V AC IN Half load mode with GST160A12 of 12V Adapter	2PIN
Mode 27:230V AC IN Half load mode with GST160A15 of 15V Adapter	2PIN
Mode 28:230V AC IN Half load mode with GST160A20 of 20V Adapter	2PIN
Mode 29:230V AC IN Half load mode with GST160A24 of 24V Adapter	2PIN
Mode 30:230V AC IN Half load mode with GST160A48 of 48V Adapter	2PIN
Mode 31:120V AC IN Full load mode with GST160A12 of 12V Adapter	2PIN
Mode 32:120V AC IN Full load mode with GST160A15 of 15V Adapter	2PIN

Mode 33:120V AC IN Full load mode with GST160A20 of 20V Adapter	2PIN
Mode 34:120V AC IN Full load mode with GST160A24 of 24V Adapter	2PIN
Mode 35:120V AC IN Full load mode with GST160A48 of 48V Adapter	2PIN
Mode 36:120V AC IN Half load mode with GST160A12 of 12V Adapter	2PIN
Mode 37:120V AC IN Half load mode with GST160A15 of 15V Adapter	2PIN
Mode 38:120V AC IN Half load mode with GST160A20 of 20V Adapter	2PIN
Mode 39:120V AC IN Half load mode with GST160A24 of 24V Adapter	2PIN
Mode 40:120V AC IN Half load mode with GST160A48 of 48V Adapter	2PIN

The radiated emission for EN61204 test configuration modes are as the following:

Mode 41:230V AC IN Full load mode with GST160A12 of 12V Adapter	3PIN
Mode 42:230V AC IN Full load mode with GST160A15 of 15V Adapter	3PIN
Mode 43:230V AC IN Full load mode with GST160A20 of 20V Adapter	3PIN
Mode 44:230V AC IN Full load mode with GST160A24 of 24V Adapter	3PIN
Mode 45:230V AC IN Full load mode with GST160A48 of 48V Adapter	3PIN
Mode 46:230V AC IN Half load mode with GST160A12 of 12V Adapter	3PIN
Mode 47:230V AC IN Half load mode with GST160A15 of 15V Adapter	3PIN
Mode 48:230V AC IN Half load mode with GST160A20 of 20V Adapter	3PIN
Mode 49:230V AC IN Half load mode with GST160A24 of 24V Adapter	3PIN
Mode 50:230V AC IN Half load mode with GST160A48 of 48V Adapter	3PIN
Mode 51:120V AC IN Full load mode with GST160A12 of 12V Adapter	3PIN
Mode 52:120V AC IN Full load mode with GST160A15 of 15V Adapter	3PIN
Mode 53:120V AC IN Full load mode with GST160A20 of 20V Adapter	3PIN
Mode 54:120V AC IN Full load mode with GST160A24 of 24V Adapter	3PIN
Mode 55:120V AC IN Full load mode with GST160A48 of 48V Adapter	3PIN
Mode 56:120V AC IN Half load mode with GST160A12 of 12V Adapter	3PIN
Mode 57:120V AC IN Half load mode with GST160A15 of 15V Adapter	3PIN
Mode 58:120V AC IN Half load mode with GST160A20 of 20V Adapter	3PIN
Mode 59:120V AC IN Half load mode with GST160A24 of 24V Adapter	3PIN
Mode 60:120V AC IN Half load mode with GST160A48 of 48V Adapter	3PIN
Mode 61:230V AC IN Full load mode with GST160A12 of 12V Adapter	2PIN
Mode 62:230V AC IN Full load mode with GST160A15 of 15V Adapter	2PIN
Mode 63:230V AC IN Full load mode with GST160A20 of 20V Adapter	2PIN
Mode 64:230V AC IN Full load mode with GST160A24 of 24V Adapter	2PIN
Mode 65:230V AC IN Full load mode with GST160A48 of 48V Adapter	2PIN
Mode 66:230V AC IN Half load mode with GST160A12 of 12V Adapter	2PIN
Mode 67:230V AC IN Half load mode with GST160A15 of 15V Adapter	2PIN
Mode 68:230V AC IN Half load mode with GST160A20 of 20V Adapter	2PIN
Mode 69:230V AC IN Half load mode with GST160A24 of 24V Adapter	2PIN

Mode 70:230V AC IN Half load mode with GST160A48 of 48V Adapter 2PIN  
Mode 71:120V AC IN Full load mode with GST160A12 of 12V Adapter 2PIN  
Mode 72:120V AC IN Full load mode with GST160A15 of 15V Adapter 2PIN  
Mode 73:120V AC IN Full load mode with GST160A20 of 20V Adapter 2PIN  
Mode 74:120V AC IN Full load mode with GST160A24 of 24V Adapter 2PIN  
Mode 75:120V AC IN Full load mode with GST160A48 of 48V Adapter 2PIN  
Mode 76:120V AC IN Half load mode with GST160A12 of 12V Adapter 2PIN  
Mode 77:120V AC IN Half load mode with GST160A15 of 15V Adapter 2PIN  
Mode 78:120V AC IN Half load mode with GST160A20 of 20V Adapter 2PIN  
Mode 79:120V AC IN Half load mode with GST160A24 of 24V Adapter 2PIN  
Mode 80:120V AC IN Half load mode with GST160A48 of 48V Adapter 2PIN

## 4.2. EUT SYSTEM OPERATION

1	According to the erection of erection, and measuring the resistance value and current.
2	Test and record the data.

Note: Test program is self-repeating throughout the test.

## 5 SETUP OF EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

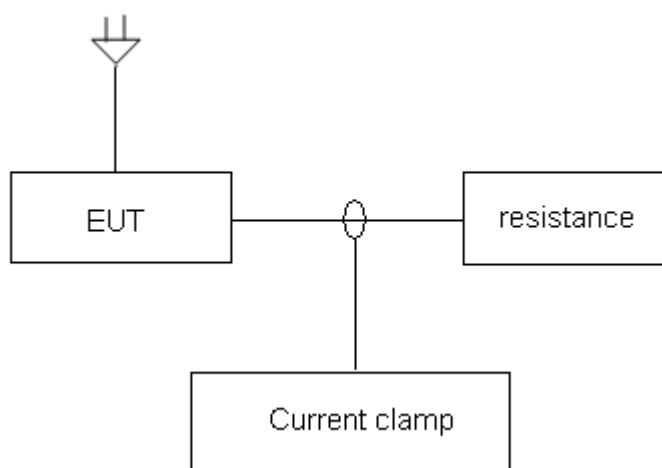
No.	Equipment	Model No.	Serial No.	FCC ID	Trade Name	Data Cable	Power Cord
1	Resistance	N/A	N/A	N/A	N/A	N/A	N/A
2	Current clamp	FLUKE319	24980013WS13	N/A	N/A	N/A	N/A

**Note:**

- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

### 5.2. CONFIGURATION OF SYSTEM UNDER TEST

120V 60Hz /230V 50Hz



## 6 FACILITIES AND ACCREDITATIONS

### 6.1. FACILITIES

All measurement facilities used to collect the measurement data are located at

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5, "Radio Interference Measuring Apparatus and Measurement Methods."

### 6.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following accreditation body according to ISO/IEC 17025.

USA	A2LA
China	CNAS

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	Industry Canada
Japan	VCCI
Taiwan	BSMI
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccsrf.com>

### 6.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Uncertainty
Conducted emissions (Power Port)	0.15MHz~30MHz	+/- 2.19 dB
Conducted emissions (Telecom Port)	0.15MHz~30MHz	+/- 0.95 dB

Measurement	Polarity	Frequency	Uncertainty
Radiated emissions (below 1GHz)	H	30MHz ~ 200MHz	+/- 4.45dB
		200MHz ~1000MHz	+/- 4.41dB
	V	30MHz ~ 200MHz	+/- 4.57dB
		200MHz ~1000MHz	+/- 4.41dB
Radiated emissions (above 1GHz)	H	1000MHz ~6000MHz	+/- 3.91 dB
	V	1000MHz ~6000MHz	+/- 3.91 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2008, clause 11, Measurement Uncertainty) determining compliance with the limits shall be based on the results of the compliance measurement. Consequently the measured emissions being less than the maximum allowed emission result in this being a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is based on conducted and radiated emissions being less than  $U_{CISPR}$  which is 3.6dB and 5.2dB respectively. CCS values (called  $U_{Lab}$  in CISPR 16-4-2) is less than  $U_{CISPR}$  as shown in the table above. Therefore, MU need not be considered for compliance.

## 7 EMISSION TEST

### 7.1. CONDUCTED EMISSION MEASUREMENT

#### 7.1.1. LIMITS

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

**NOTE:**

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
- (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 7.1.2. TEST INSTRUMENTS

CE (Shielding Room)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI TEST RECEIVER	R&S	ESCI	100781	03/03/2015	03/02/2016
V (V-LISN)	SCHWARZBECK	NNLK 8129	8129-143	08/12/2014	08/11/2015
TWO-LINE V-NETWORK	R&S	ENV216	101604	01/12/2015	01/11/2016
Pulse LIMITER	R&S	ESH3-Z2	100524	01/12/2015	01/11/2016
CISPR22 FOUR BALANCED TELECOM PARIS ISN	FCC	FCC-TLISN-T2-02	20625	05/29/2015	05/28/2016
RF CURRENT PROBE	FCC	F-65A	146	09/12/2014	09/11/2015
COUPLING AND DECOUPLING NETWORK	TESEQ	ISN ST08	31272	10/10/2014	10/09/2015
IMPEDANCE STABILIZATION NETWORK	TESEQ	ISN T800	34450	03/03/2015	03/02/2016
Test Software	EZ-EMC ver.3A1				

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. N.C.R = No Calibration Request.

### 7.1.3. TEST PROCEDURES

#### Procedure of Preliminary Test

The EUT and Support equipment, if needed, was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per EN 55022 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 15 cm non-conductive covering to insulate the EUT from the ground plane.

All I/O cables were positioned to simulate typical actual usage as per EN 55022.

The test equipment EUT installed received AC main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane.

All support equipment power received from a second LISN.

The EUT test program was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in Item 4.1 were scanned during the preliminary test.

After the preliminary scan, we found the test mode described in Item 4.1 producing the highest emission level.

The EUT configuration and cable configuration of the above highest emission levels were recorded for reference of the final test.

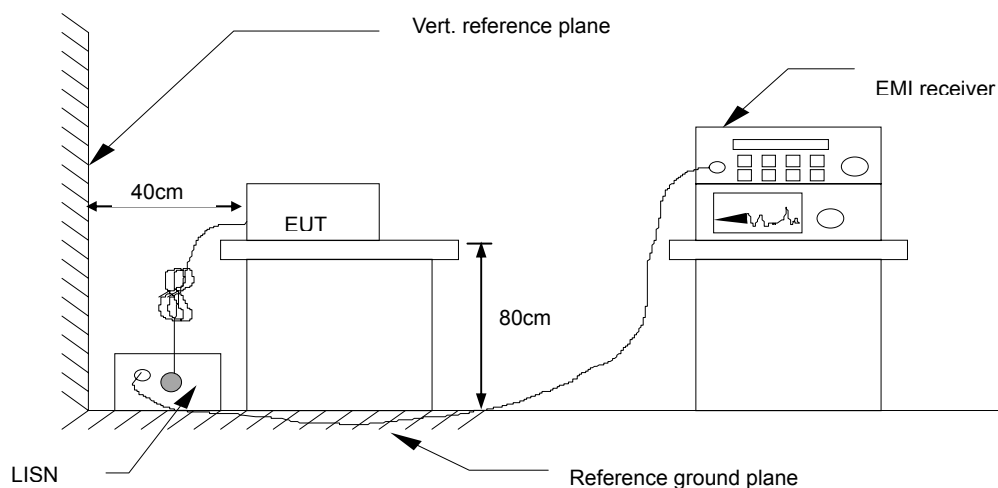
#### Procedure of Final Test

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

### 7.1.4. TEST SETUP





For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

### 7.1.5. DATA SAMPLE

Frequency	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)
x.xxxx	29.89	15.22	11.09	40.98	26.31	56.00	46.00	-15.02	-19.69

Correction factor (dB) = cable loss + Insertion loss of LISN+ Insertion loss of transient limiter (The transient limiter included 10 dB attenuation)

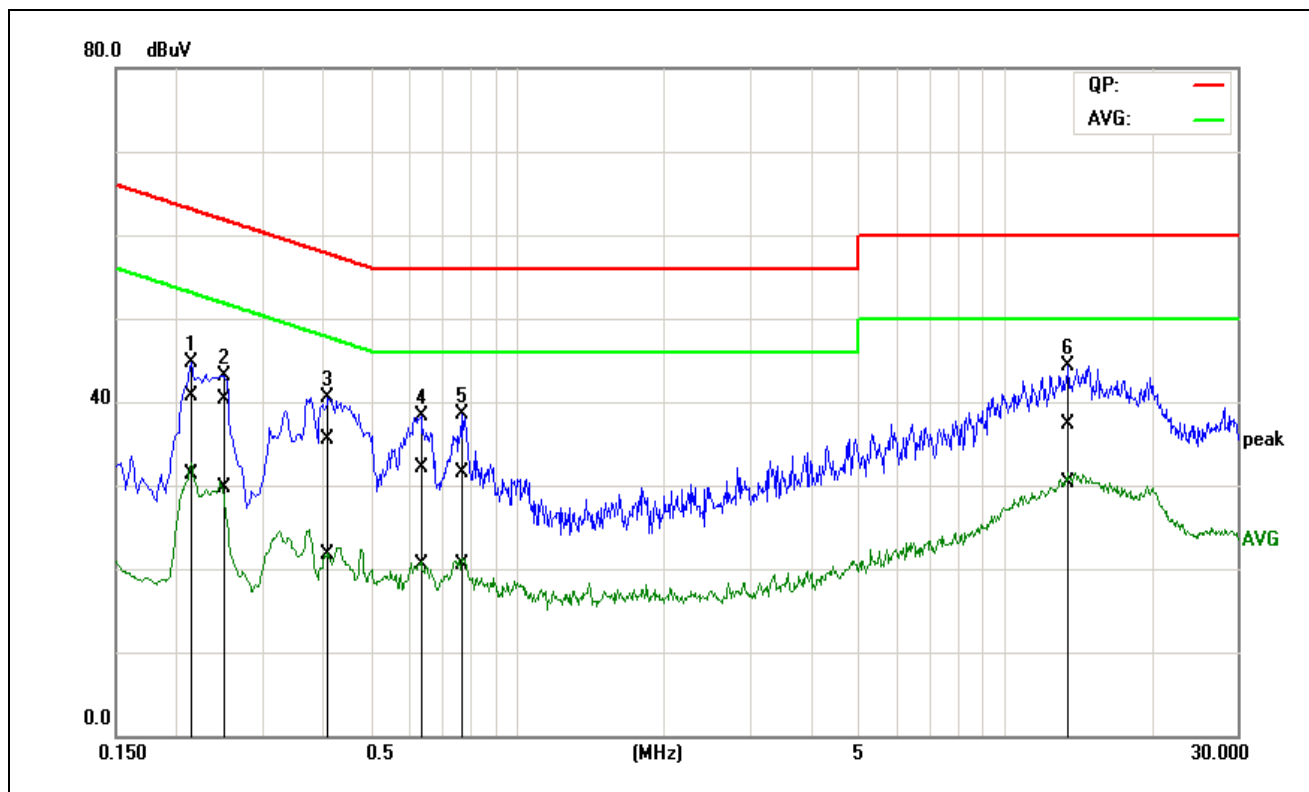
(QuasiPeak/ Average)Result = (QuasiPeak/ Average)reading + Correction Factor (dB)

Calculation Formula

(QuasiPeak/ Average)Margin (dB) = (QuasiPeak/ Average)Result (dBuV) –(QuasiPeak/ Average)Limit (dBuV)

## 7.1.6. TEST RESULTS

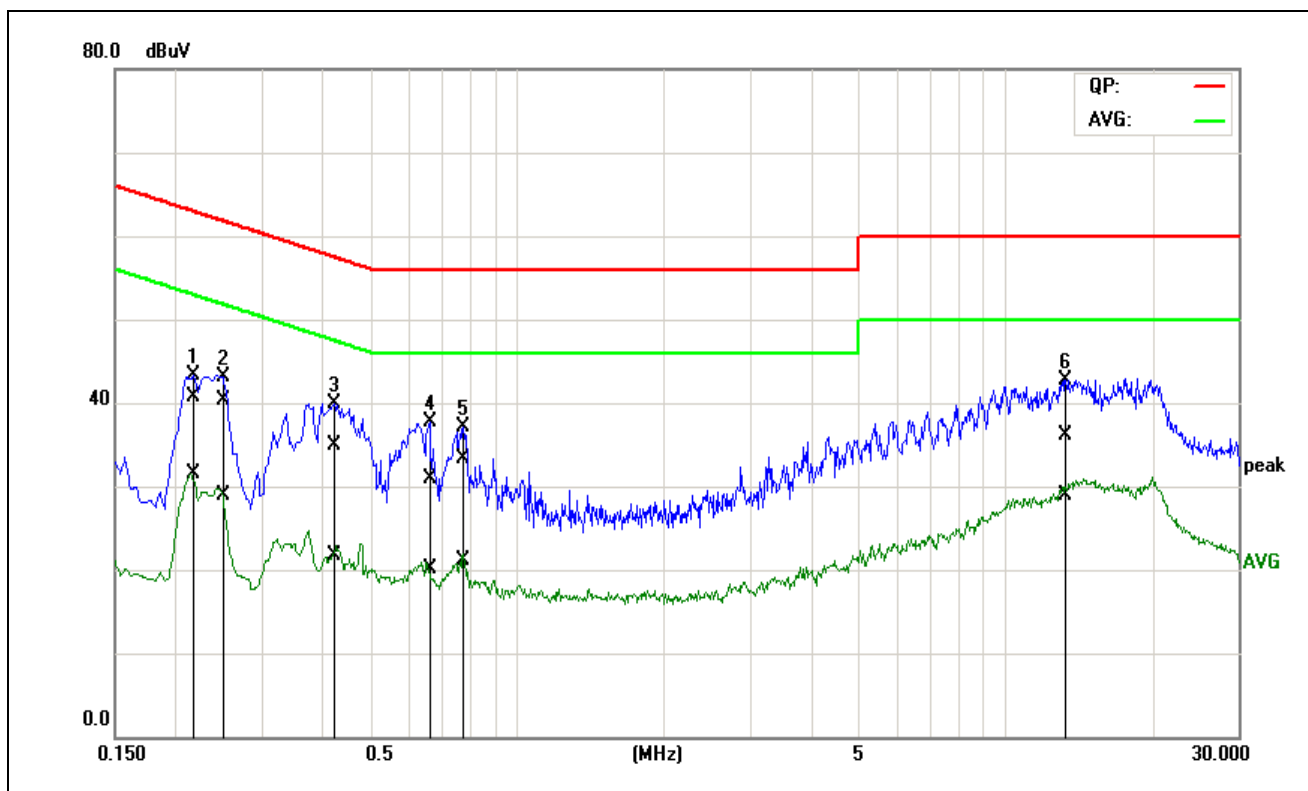
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:25:03
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 1



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2113	21.13	11.79	19.61	40.74	31.40	63.15	53.15	-22.41	-21.75	Pass
2	0.2474	20.65	10.01	19.64	40.29	29.65	61.84	51.84	-21.55	-22.19	Pass
3	0.4085	15.77	1.91	19.76	35.53	21.67	57.68	47.68	-22.15	-26.01	Pass
4	0.6242	12.29	0.61	19.83	32.12	20.44	56.00	46.00	-23.88	-25.56	Pass
5	0.7682	11.63	0.61	19.84	31.47	20.45	56.00	46.00	-24.53	-25.55	Pass
6*	13.4859	16.44	9.56	20.82	37.26	30.38	60.00	50.00	-22.74	-19.62	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

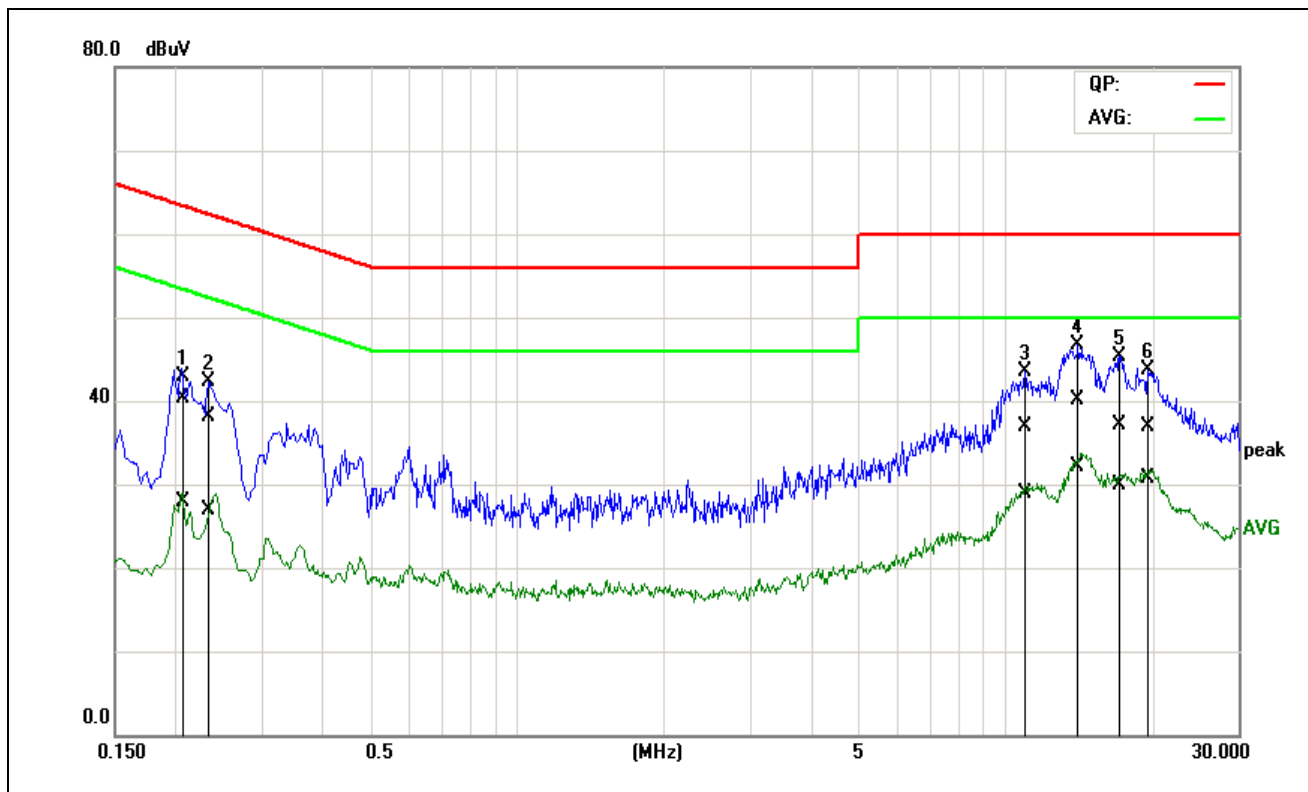
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:30:40
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 1



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2149	20.97	11.82	19.65	40.62	31.47	63.01	53.01	-22.39	-21.54	Pass
2	0.2498	20.72	9.20	19.67	40.39	28.87	61.76	51.76	-21.37	-22.89	Pass
3	0.4208	15.20	1.88	19.79	34.99	21.67	57.43	47.43	-22.44	-25.76	Pass
4	0.6570	10.97	0.19	19.84	30.81	20.03	56.00	46.00	-25.19	-25.97	Pass
5	0.7755	13.49	1.26	19.83	33.32	21.09	56.00	46.00	-22.68	-24.91	Pass
6*	13.2507	15.30	8.15	20.73	36.03	28.88	60.00	50.00	-23.97	-21.12	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

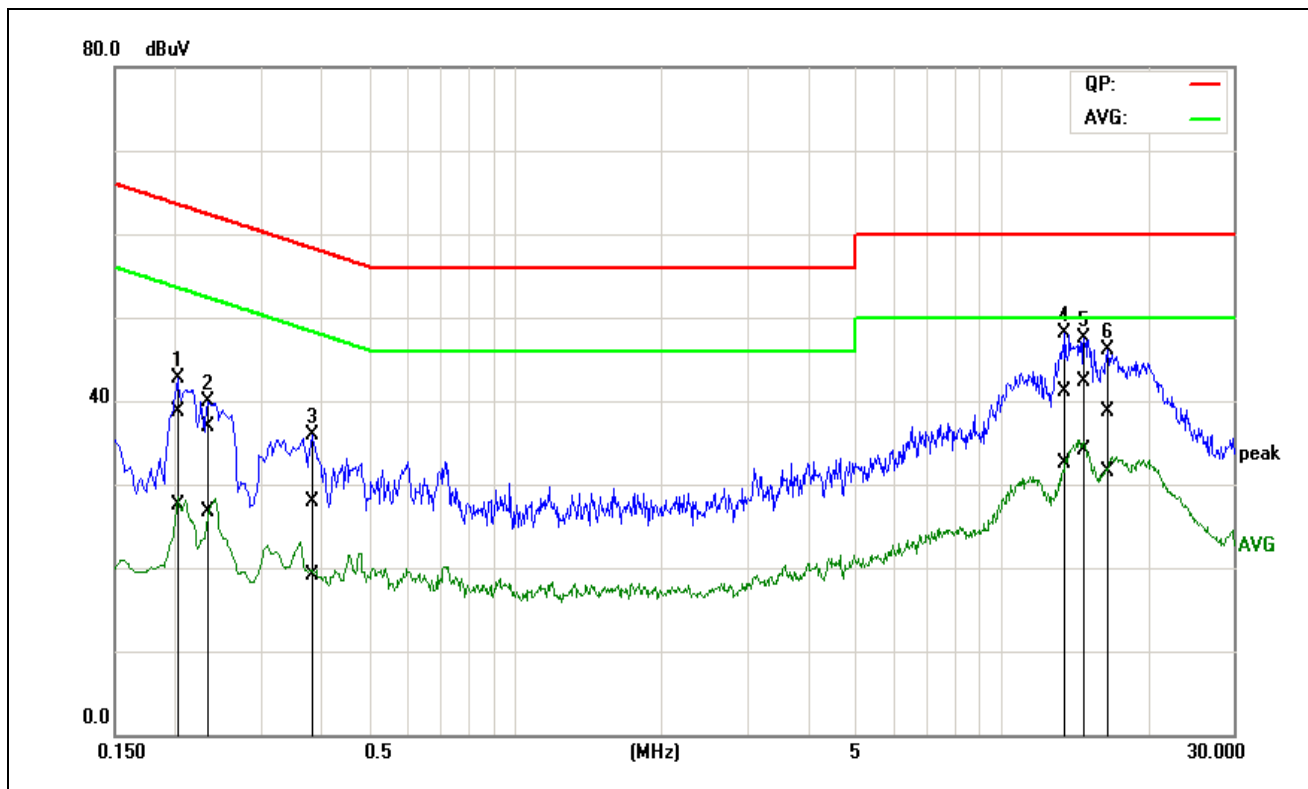
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:10:19
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 2



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2071	20.72	8.34	19.61	40.33	27.95	63.32	53.32	-22.99	-25.37	Pass
2	0.2338	18.42	7.20	19.63	38.05	26.83	62.31	52.31	-24.26	-25.48	Pass
3	10.9678	16.19	8.07	20.78	36.97	28.85	60.00	50.00	-23.03	-21.15	Pass
4*	14.1570	19.19	11.27	20.83	40.02	32.10	60.00	50.00	-19.98	-17.90	Pass
5	17.1176	16.14	9.01	20.96	37.10	29.97	60.00	50.00	-22.90	-20.03	Pass
6	19.6043	15.72	9.68	21.11	36.83	30.79	60.00	50.00	-23.17	-19.21	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

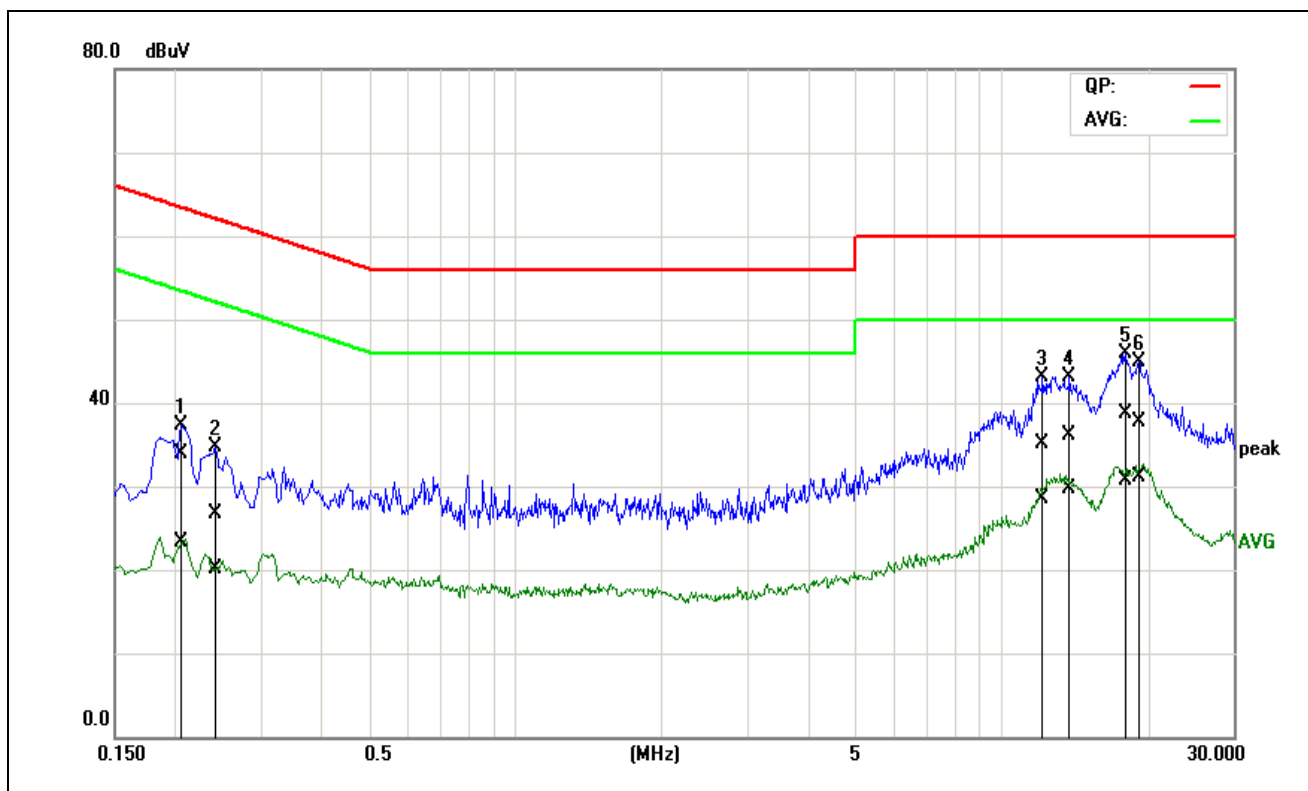
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:15:05
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 2



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2036	19.11	7.79	19.64	38.75	27.43	63.46	53.46	-24.71	-26.03	Pass
2	0.2343	17.32	6.95	19.66	36.98	26.61	62.30	52.30	-25.32	-25.69	Pass
3	0.3814	8.13	-0.59	19.77	27.90	19.18	58.25	48.25	-30.35	-29.07	Pass
4	13.5702	20.31	11.78	20.72	41.03	32.50	60.00	50.00	-18.97	-17.50	Pass
5*	14.6943	21.57	13.42	20.69	42.26	34.11	60.00	50.00	-17.74	-15.89	Pass
6	16.5786	17.89	10.72	20.81	38.70	31.53	60.00	50.00	-21.30	-18.47	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

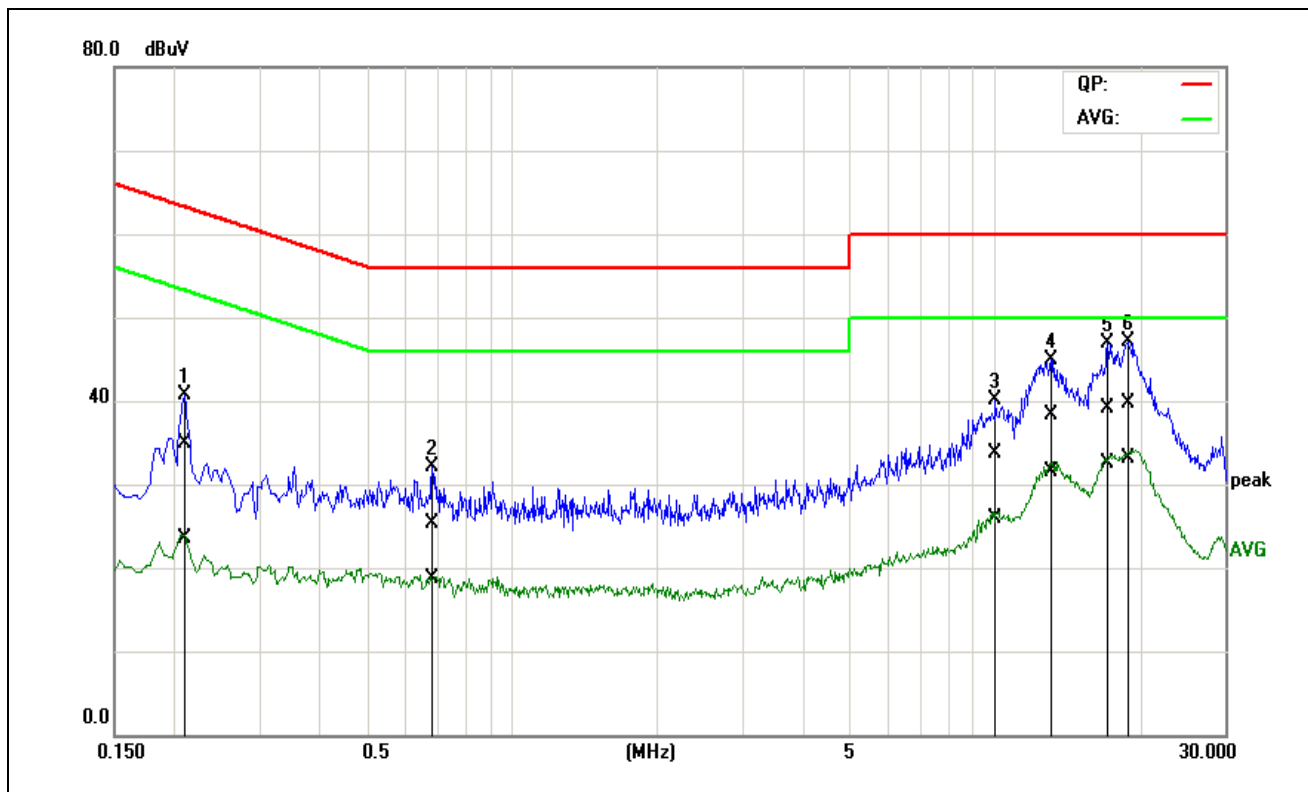
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:30:24
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 3



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2069	14.34	3.68	19.61	33.95	23.29	63.33	53.33	-29.38	-30.04	Pass
2	0.2419	6.99	0.42	19.63	26.62	20.05	62.03	52.03	-35.41	-31.98	Pass
3	12.1061	14.31	7.62	20.80	35.11	28.42	60.00	50.00	-24.89	-21.58	Pass
4	13.7991	15.19	8.97	20.82	36.01	29.79	60.00	50.00	-23.99	-20.21	Pass
5	17.9855	17.67	9.69	21.01	38.68	30.70	60.00	50.00	-21.32	-19.30	Pass
6*	19.1896	16.57	10.10	21.08	37.65	31.18	60.00	50.00	-22.35	-18.82	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

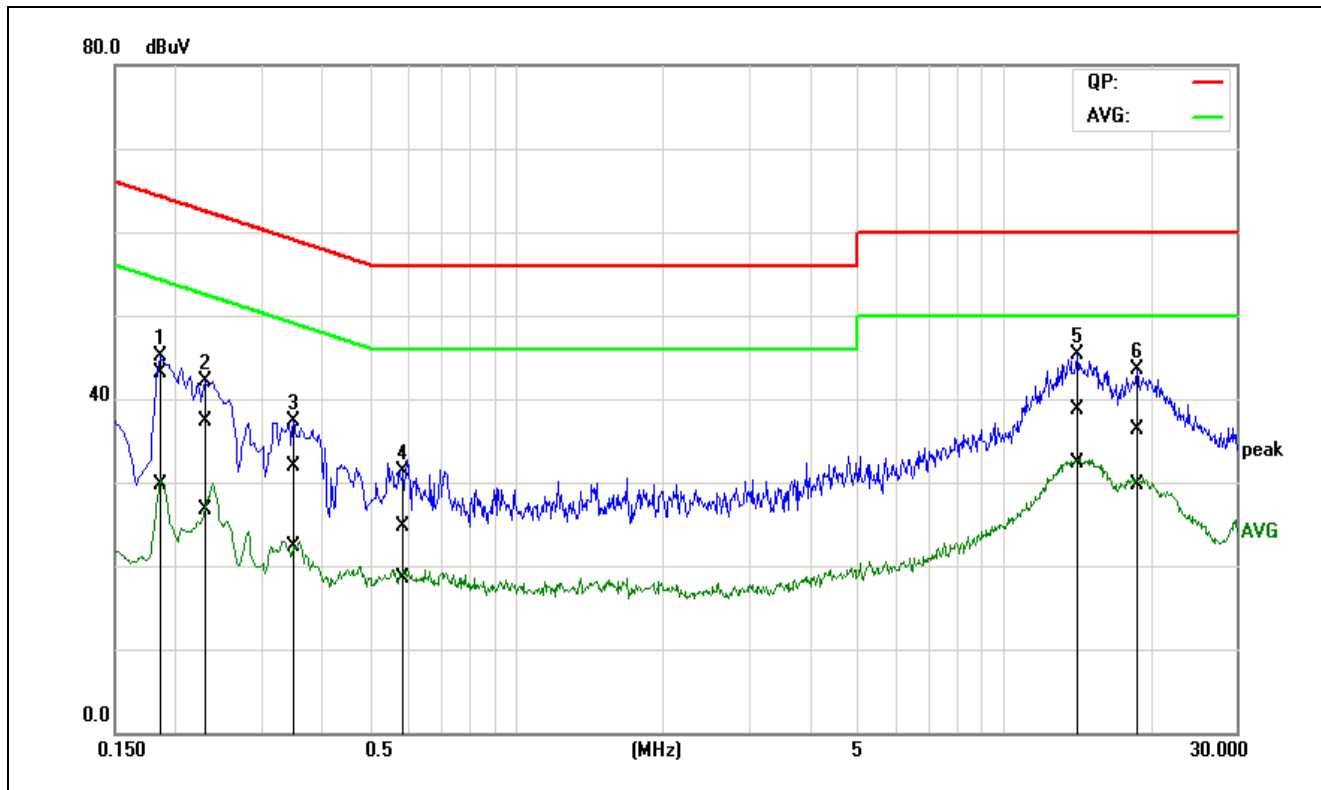
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Company:	MEAN WELL	Time:	AM 11:35:20
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 3



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2062	15.31	3.83	19.64	34.95	23.47	63.36	53.36	-28.41	-29.89	Pass
2	0.6835	5.53	-1.05	19.84	25.37	18.79	56.00	46.00	-30.63	-27.21	Pass
3	10.0585	12.83	5.12	20.81	33.64	25.93	60.00	50.00	-26.36	-24.07	Pass
4	13.0977	17.54	10.85	20.73	38.27	31.58	60.00	50.00	-21.73	-18.42	Pass
5	17.2009	18.27	11.73	20.86	39.13	32.59	60.00	50.00	-20.87	-17.41	Pass
6*	18.9548	18.67	12.02	21.00	39.67	33.02	60.00	50.00	-20.33	-16.98	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:42:29
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%)	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 4

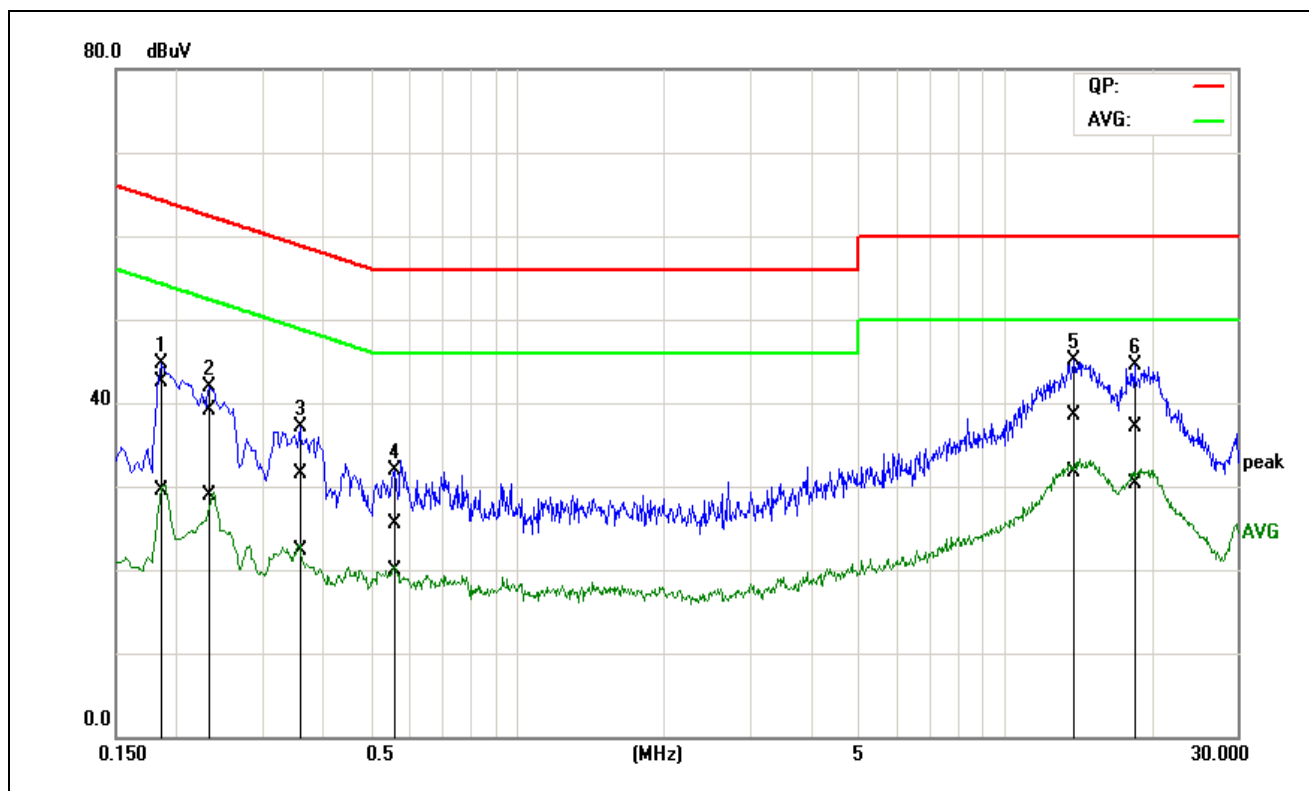


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1861	23.35	10.12	19.66	43.01	29.78	64.21	54.21	-21.20	-24.43	Pass
2	0.2309	17.76	7.02	19.62	37.38	26.64	62.42	52.42	-25.04	-25.78	Pass
3	0.3507	12.21	2.57	19.72	31.93	22.29	58.95	48.95	-27.02	-26.66	Pass
4	0.5808	4.92	-1.27	19.83	24.75	18.56	56.00	46.00	-31.25	-27.44	Pass
5*	14.2155	17.90	11.48	20.83	38.73	32.31	60.00	50.00	-21.27	-17.69	Pass
6	18.7506	15.21	8.69	21.06	36.27	29.75	60.00	50.00	-23.73	-20.25	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



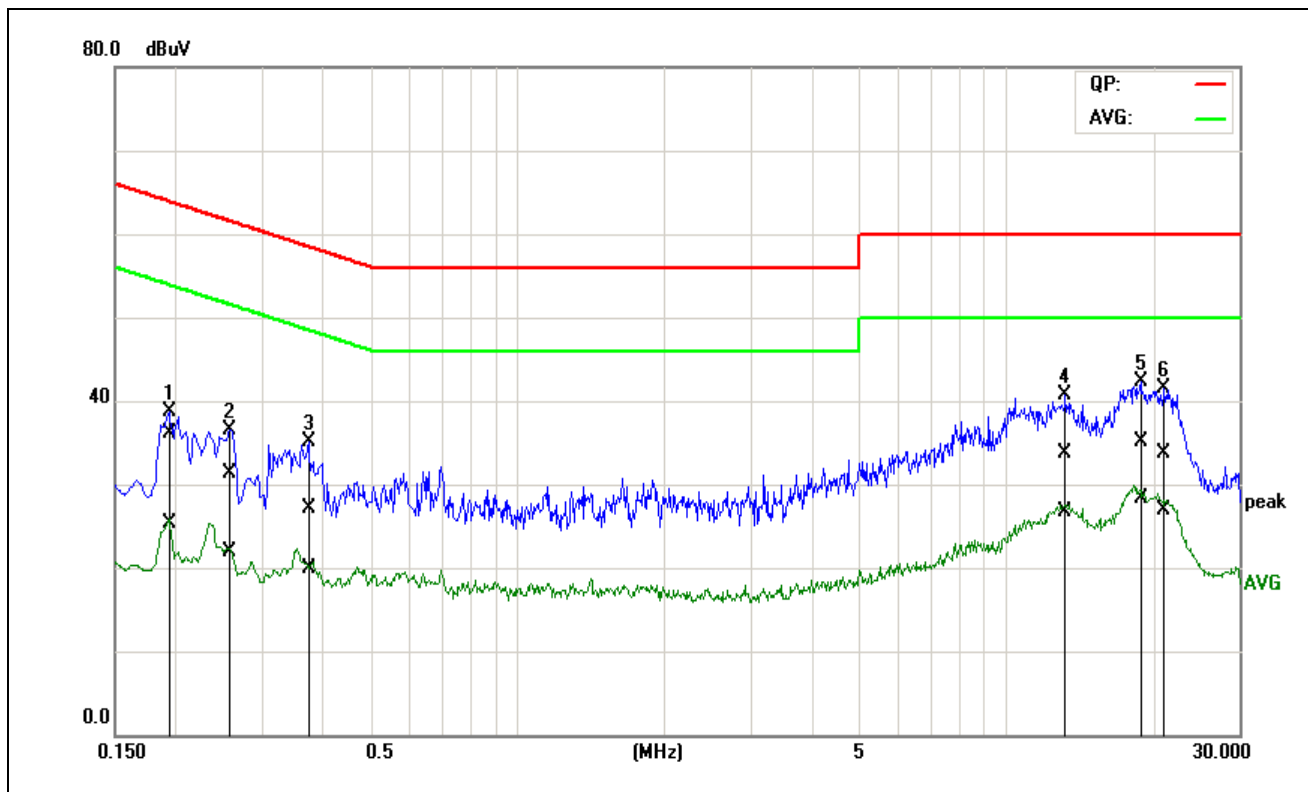
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:47:28
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 4



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1868	22.88	9.79	19.66	42.54	29.45	64.18	54.18	-21.64	-24.73	Pass
2	0.2346	19.45	9.31	19.66	39.11	28.97	62.29	52.29	-23.18	-23.32	Pass
3	0.3575	11.72	2.64	19.75	31.47	22.39	58.79	48.79	-27.32	-26.40	Pass
4	0.5659	5.61	0.05	19.85	25.46	19.90	56.00	46.00	-30.54	-26.10	Pass
5*	13.9699	17.79	10.96	20.71	38.50	31.67	60.00	50.00	-21.50	-18.33	Pass
6	18.5442	16.06	9.34	20.97	37.03	30.31	60.00	50.00	-22.97	-19.69	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

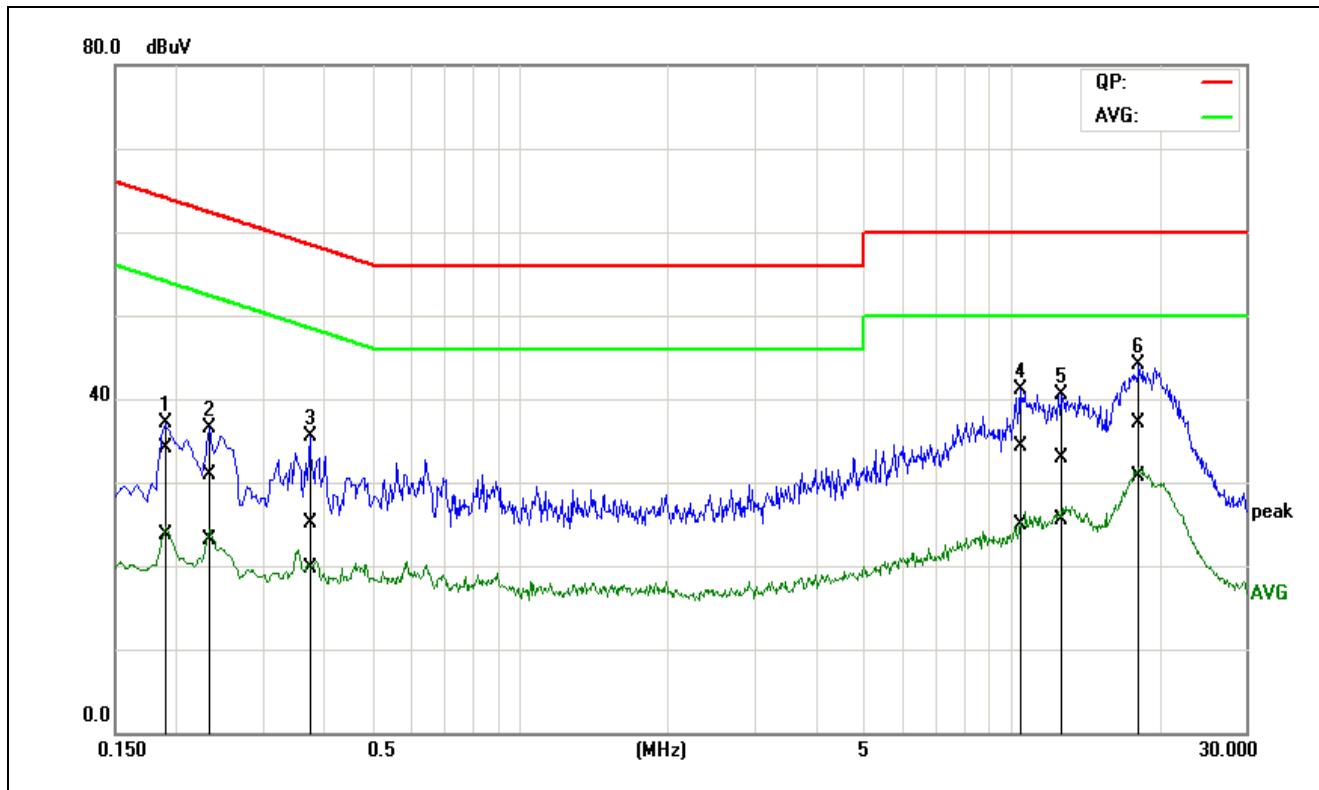
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:08:39
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 5



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1911	16.42	5.60	19.64	36.06	25.24	63.99	53.99	-27.93	-28.75	Pass
2	0.2564	11.67	2.30	19.64	31.31	21.94	61.55	51.55	-30.24	-29.61	Pass
3	0.3766	7.41	0.11	19.74	27.15	19.85	58.35	48.35	-31.20	-28.50	Pass
4	13.2676	12.80	5.89	20.82	33.62	26.71	60.00	50.00	-26.38	-23.29	Pass
5*	18.8110	13.95	7.15	21.06	35.01	28.21	60.00	50.00	-24.99	-21.79	Pass
6	21.0864	12.60	5.71	21.15	33.75	26.86	60.00	50.00	-26.25	-23.14	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

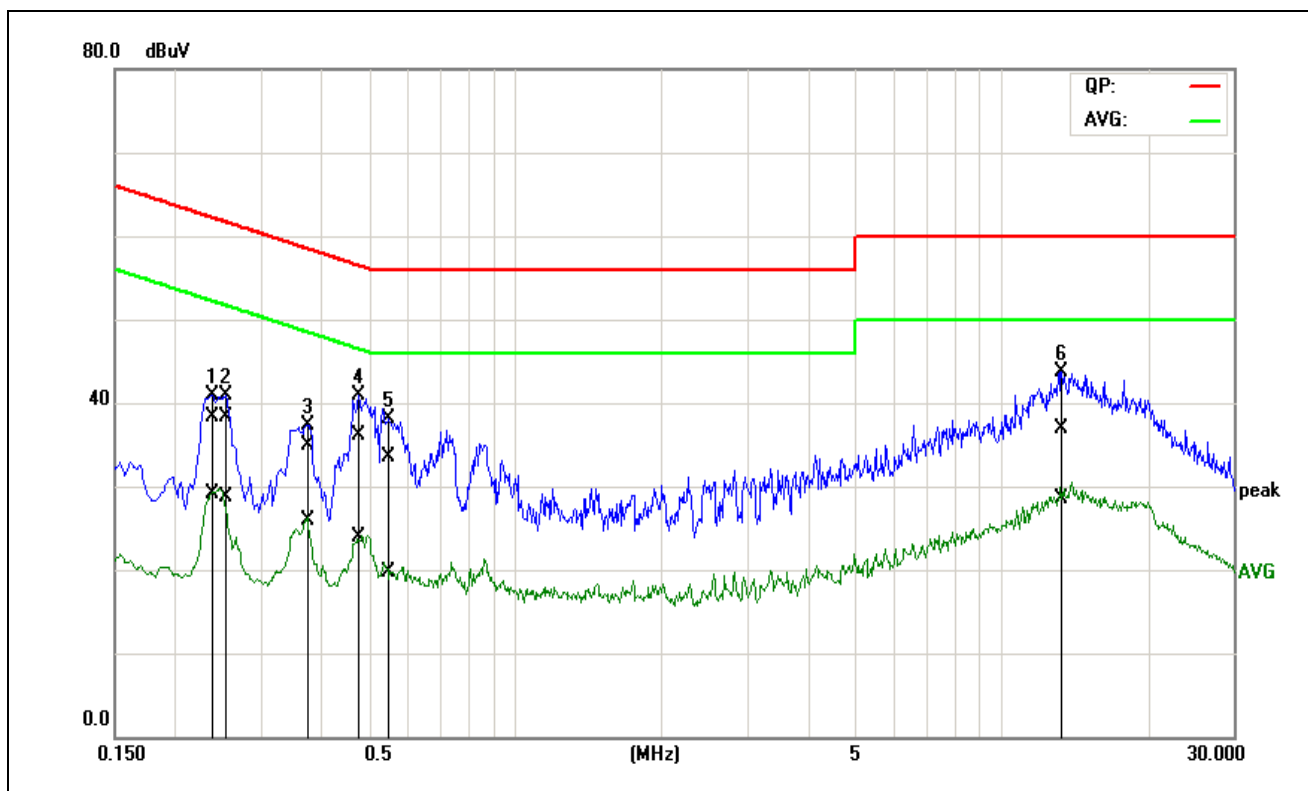
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:13:48
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 5



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1892	14.46	4.09	19.66	34.12	23.75	64.07	54.07	-29.95	-30.32	Pass
2	0.2316	11.18	3.53	19.66	30.84	23.19	62.39	52.39	-31.55	-29.20	Pass
3	0.3744	5.33	-0.13	19.76	25.09	19.63	58.40	48.40	-33.31	-28.77	Pass
4	10.4404	13.56	4.12	20.80	34.36	24.92	60.00	50.00	-25.64	-25.08	Pass
5	12.6804	12.25	4.78	20.74	32.99	25.52	60.00	50.00	-27.01	-24.48	Pass
6*	18.2349	16.16	9.75	20.95	37.11	30.70	60.00	50.00	-22.89	-19.30	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

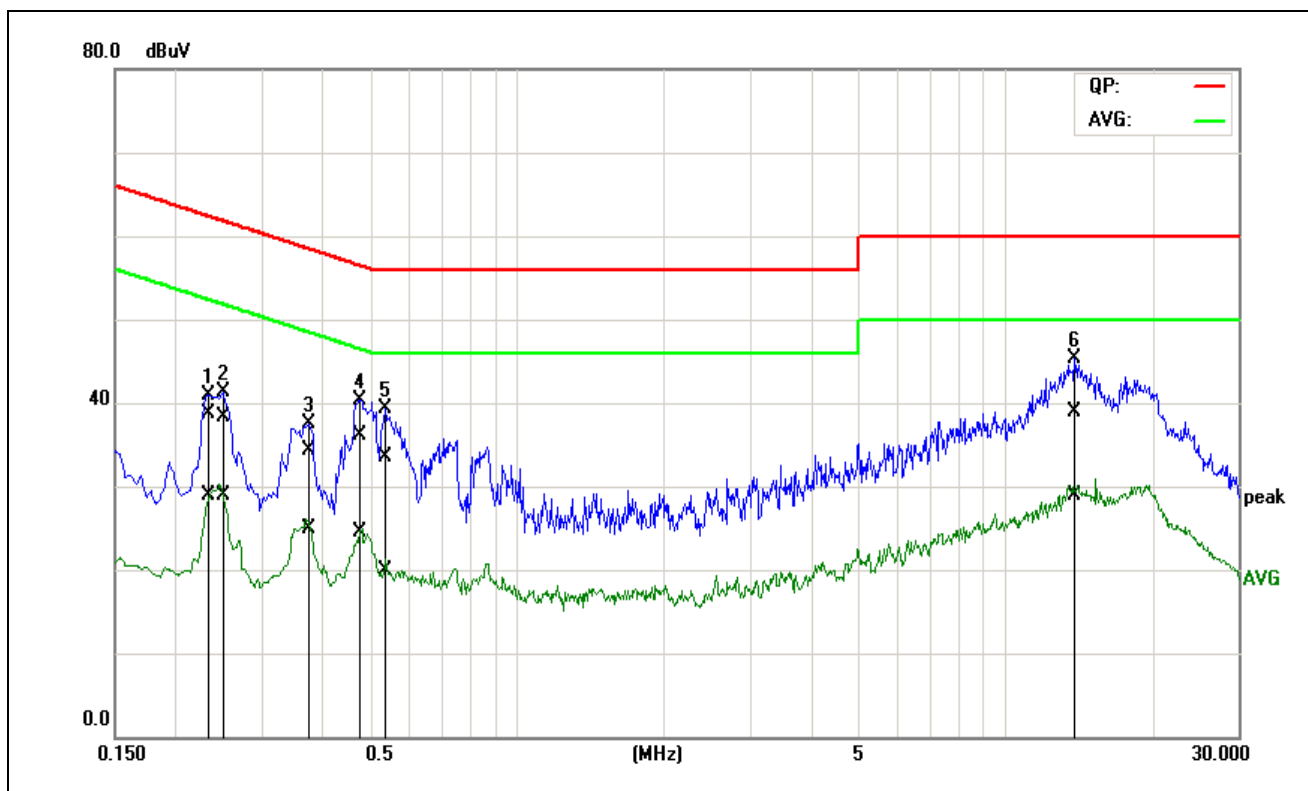
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:58:25
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%)	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 6



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2371	18.58	9.44	19.63	38.21	29.07	62.20	52.20	-23.99	-23.13	Pass
2	0.2507	18.60	9.16	19.64	38.24	28.80	61.73	51.73	-23.49	-22.93	Pass
3	0.3735	15.23	6.15	19.73	34.96	25.88	58.42	48.42	-23.46	-22.54	Pass
4*	0.4772	16.33	4.09	19.81	36.14	23.90	56.39	46.39	-20.25	-22.49	Pass
5	0.5446	13.73	-0.09	19.83	33.56	19.74	56.00	46.00	-22.44	-26.26	Pass
6	13.3269	16.16	7.76	20.82	36.98	28.58	60.00	50.00	-23.02	-21.42	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

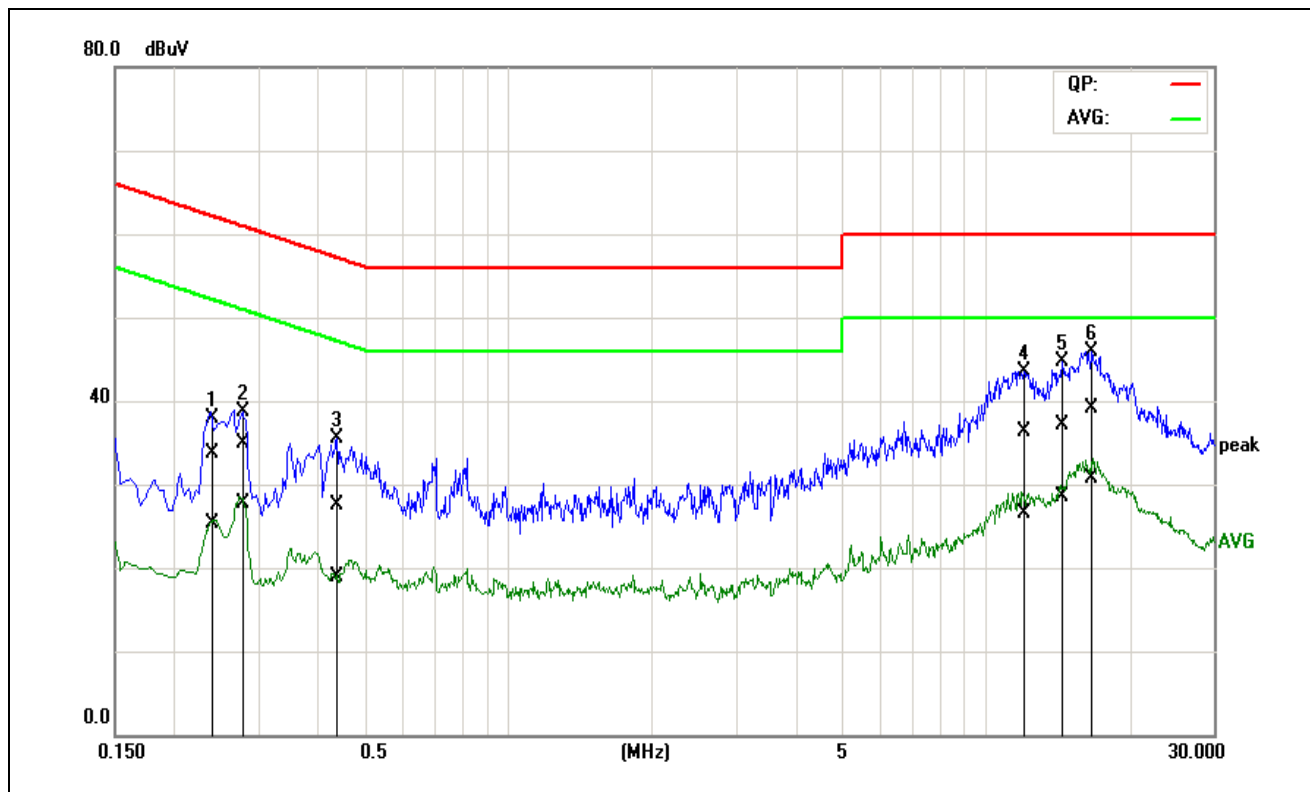
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:03:06
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 6



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2339	19.05	9.27	19.66	38.71	28.93	62.31	52.31	-23.60	-23.38	Pass
2	0.2507	18.64	9.13	19.68	38.32	28.81	61.73	51.73	-23.41	-22.92	Pass
3	0.3757	14.51	5.11	19.76	34.27	24.87	58.37	48.37	-24.10	-23.50	Pass
4*	0.4780	16.23	4.70	19.83	36.06	24.53	56.37	46.37	-20.31	-21.84	Pass
5	0.5424	13.60	0.12	19.85	33.45	19.97	56.00	46.00	-22.55	-26.03	Pass
6	13.8629	18.17	8.18	20.71	38.88	28.89	60.00	50.00	-21.12	-21.11	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

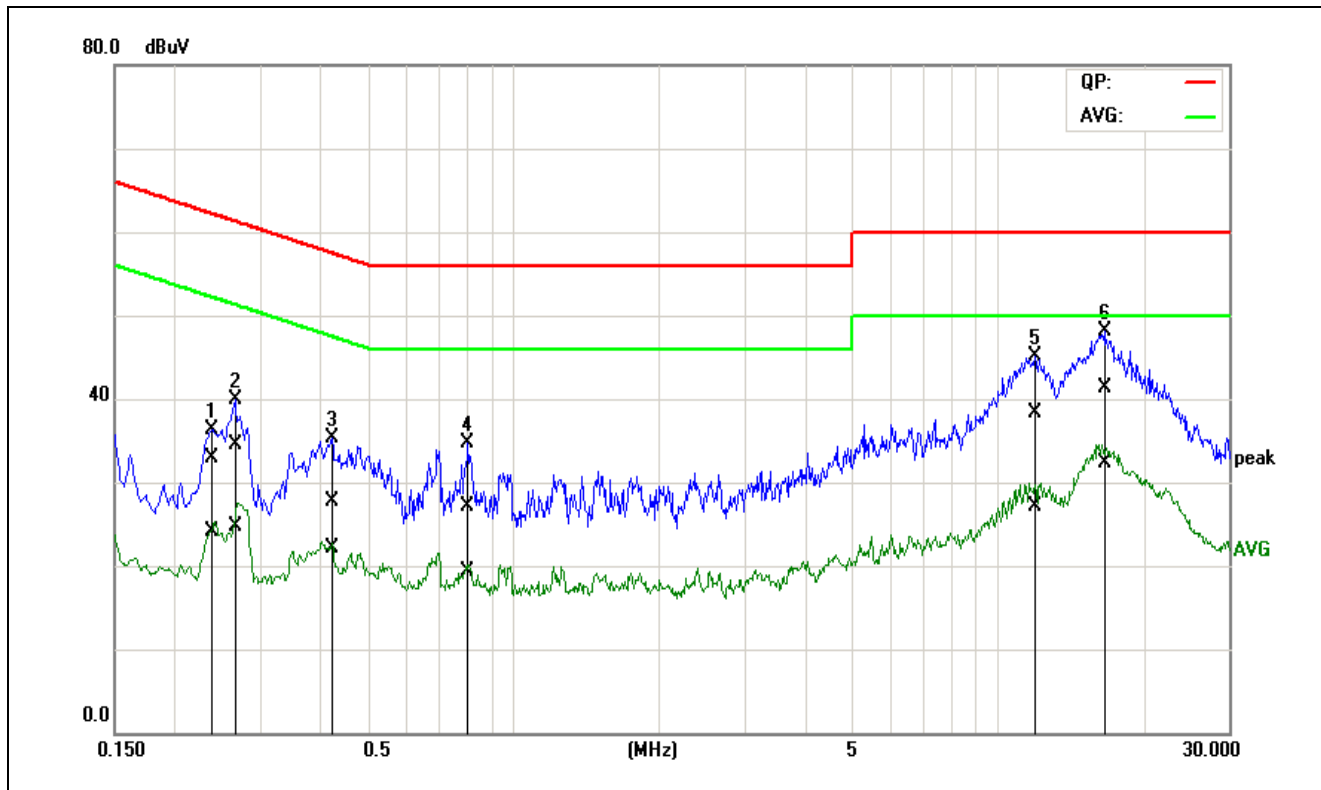
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:42:42
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 7



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2404	14.15	5.77	19.63	33.78	25.40	62.08	52.08	-28.30	-26.68	Pass
2	0.2775	15.26	8.01	19.66	34.92	27.67	60.89	50.89	-25.97	-23.22	Pass
3	0.4350	7.78	-0.95	19.78	27.56	18.83	57.16	47.16	-29.60	-28.33	Pass
4	12.0675	15.46	5.74	20.80	36.26	26.54	60.00	50.00	-23.74	-23.46	Pass
5	14.4637	16.31	7.64	20.83	37.14	28.47	60.00	50.00	-22.86	-21.53	Pass
6*	16.7163	18.25	9.77	20.94	39.19	30.71	60.00	50.00	-20.81	-19.29	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

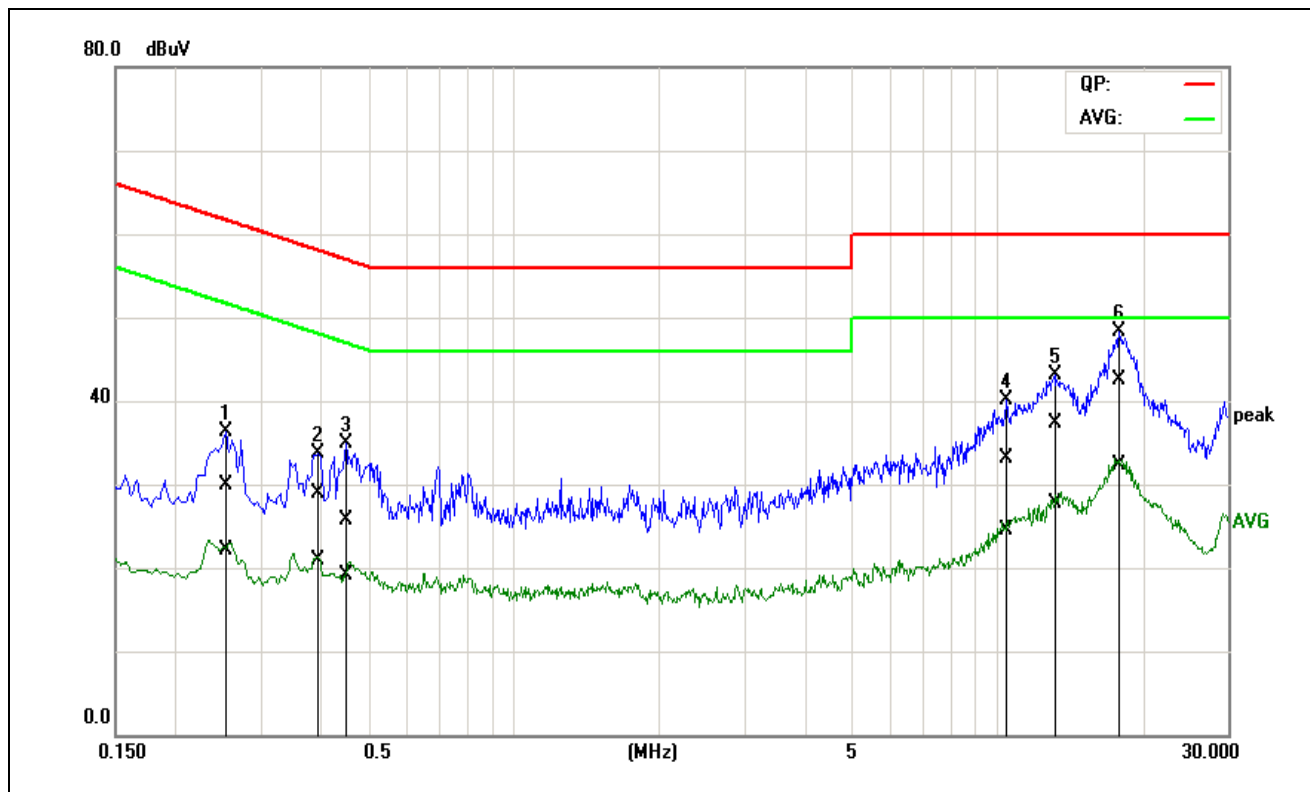
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:48:03
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%)	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 7



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2382	13.27	4.39	19.67	32.94	24.06	62.16	52.16	-29.22	-28.10	Pass
2	0.2640	14.83	4.97	19.68	34.51	24.65	61.30	51.30	-26.79	-26.65	Pass
3	0.4191	7.82	2.32	19.79	27.61	22.11	57.47	47.47	-29.86	-25.36	Pass
4	0.8000	7.18	-0.46	19.83	27.01	19.37	56.00	46.00	-28.99	-26.63	Pass
5	12.0037	17.55	6.36	20.76	38.31	27.12	60.00	50.00	-21.69	-22.88	Pass
6*	16.5519	20.42	11.54	20.81	41.23	32.35	60.00	50.00	-18.77	-17.65	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:57:21
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 8

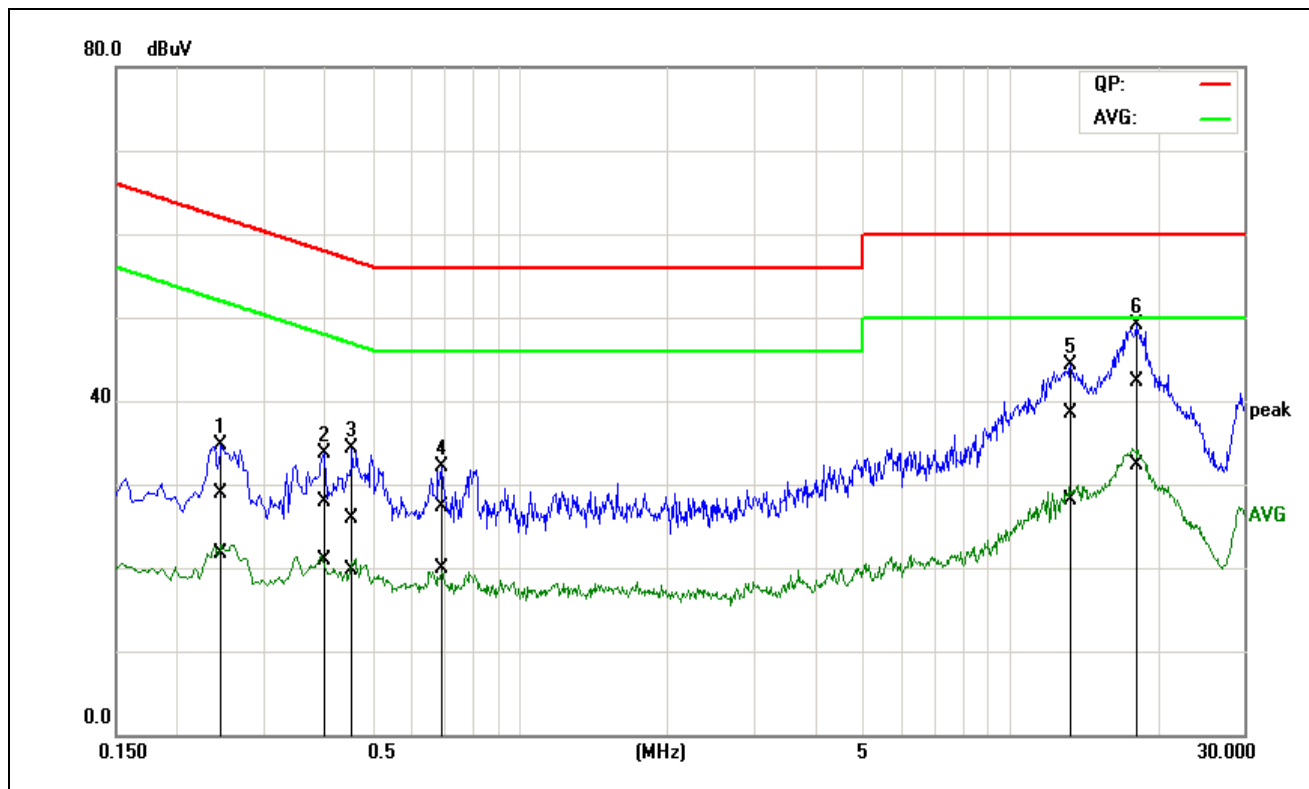


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2540	10.30	2.46	19.64	29.94	22.10	61.63	51.63	-31.69	-29.53	Pass
2	0.3960	9.17	1.06	19.75	28.92	20.81	57.94	47.94	-29.02	-27.13	Pass
3	0.4499	5.84	-0.61	19.79	25.63	19.18	56.88	46.88	-31.25	-27.70	Pass
4	10.5119	12.37	3.76	20.78	33.15	24.54	60.00	50.00	-26.85	-25.46	Pass
5	13.2304	16.45	6.83	20.82	37.27	27.65	60.00	50.00	-22.73	-22.35	Pass
6*	17.9006	21.48	11.22	21.01	42.49	32.23	60.00	50.00	-17.51	-17.77	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



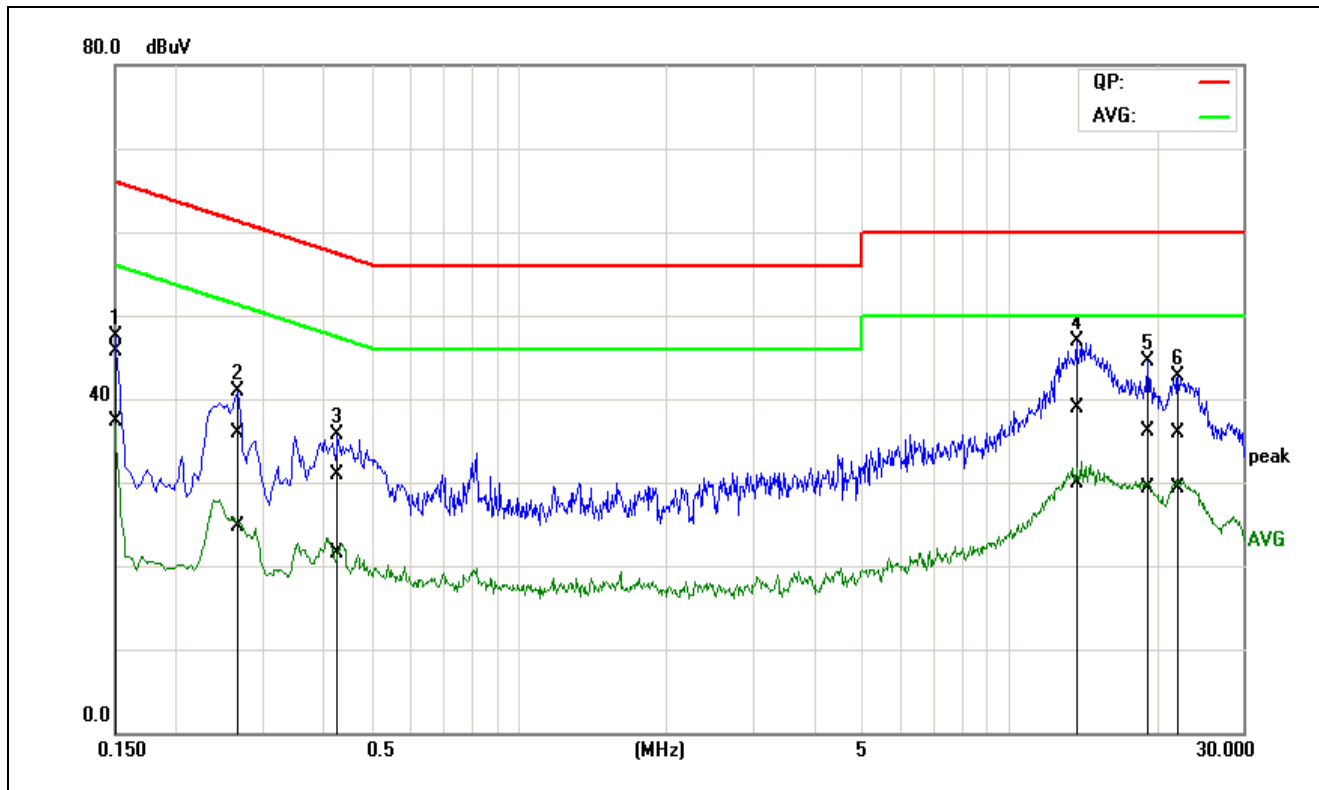
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:02:32
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 8



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2447	9.31	1.98	19.67	28.98	21.65	61.94	51.94	-32.96	-30.29	Pass
2	0.3966	8.16	1.21	19.78	27.94	20.99	57.92	47.92	-29.98	-26.93	Pass
3	0.4509	6.02	-0.02	19.82	25.84	19.80	56.86	46.86	-31.02	-27.06	Pass
4	0.6938	7.44	0.06	19.84	27.28	19.90	56.00	46.00	-28.72	-26.10	Pass
5	13.3272	17.77	7.43	20.72	38.49	28.15	60.00	50.00	-21.51	-21.85	Pass
6*	18.0318	21.45	11.33	20.93	42.38	32.26	60.00	50.00	-17.62	-17.74	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

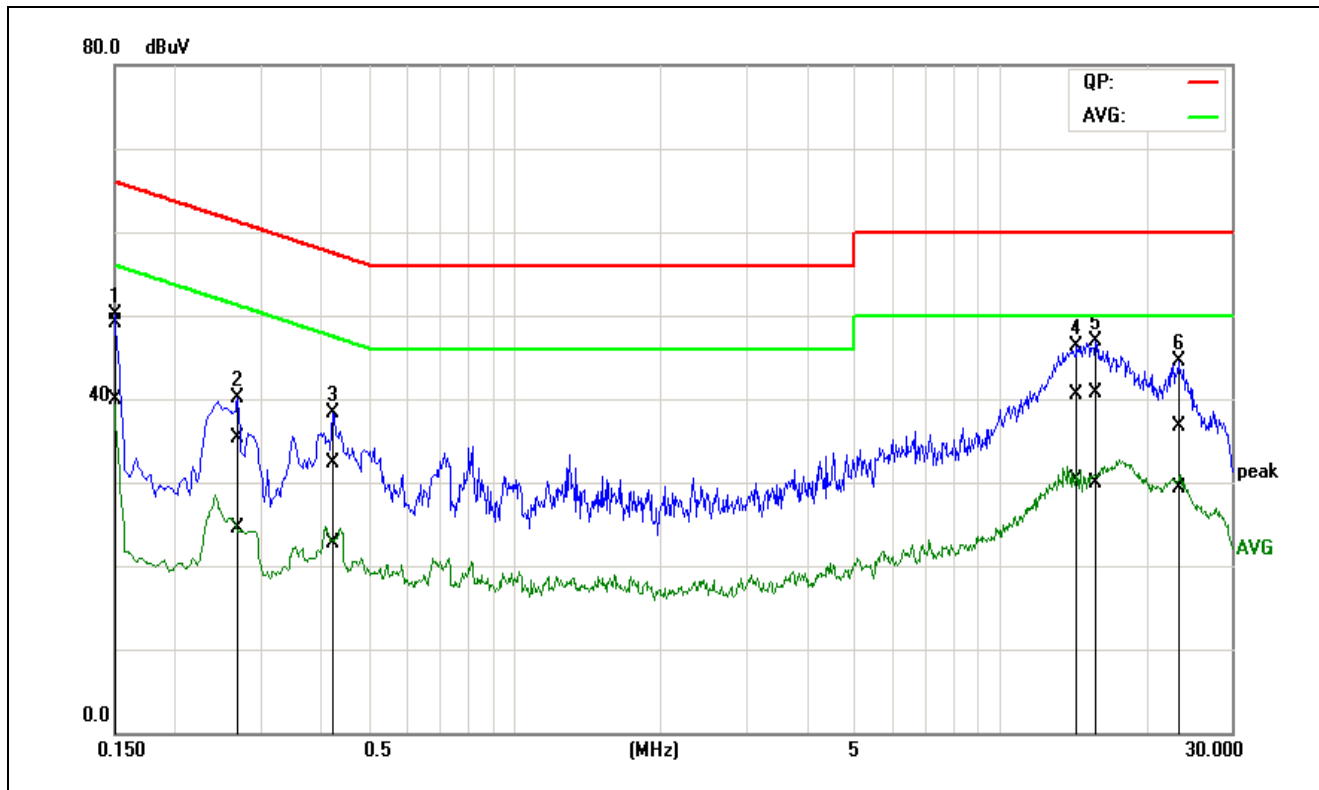
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 12:48:00
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 9



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	25.93	17.50	19.81	45.74	37.31	66.00	56.00	-20.26	-18.69	Pass
2	0.2681	16.30	5.13	19.65	35.95	24.78	61.18	51.18	-25.23	-26.40	Pass
3	0.4239	11.09	1.70	19.77	30.86	21.47	57.37	47.37	-26.51	-25.90	Pass
4	13.7434	18.15	9.02	20.82	38.97	29.84	60.00	50.00	-21.03	-20.16	Pass
5	19.0498	14.96	8.16	21.07	36.03	29.23	60.00	50.00	-23.97	-20.77	Pass
6	22.0394	14.73	8.12	21.16	35.89	29.28	60.00	50.00	-24.11	-20.72	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

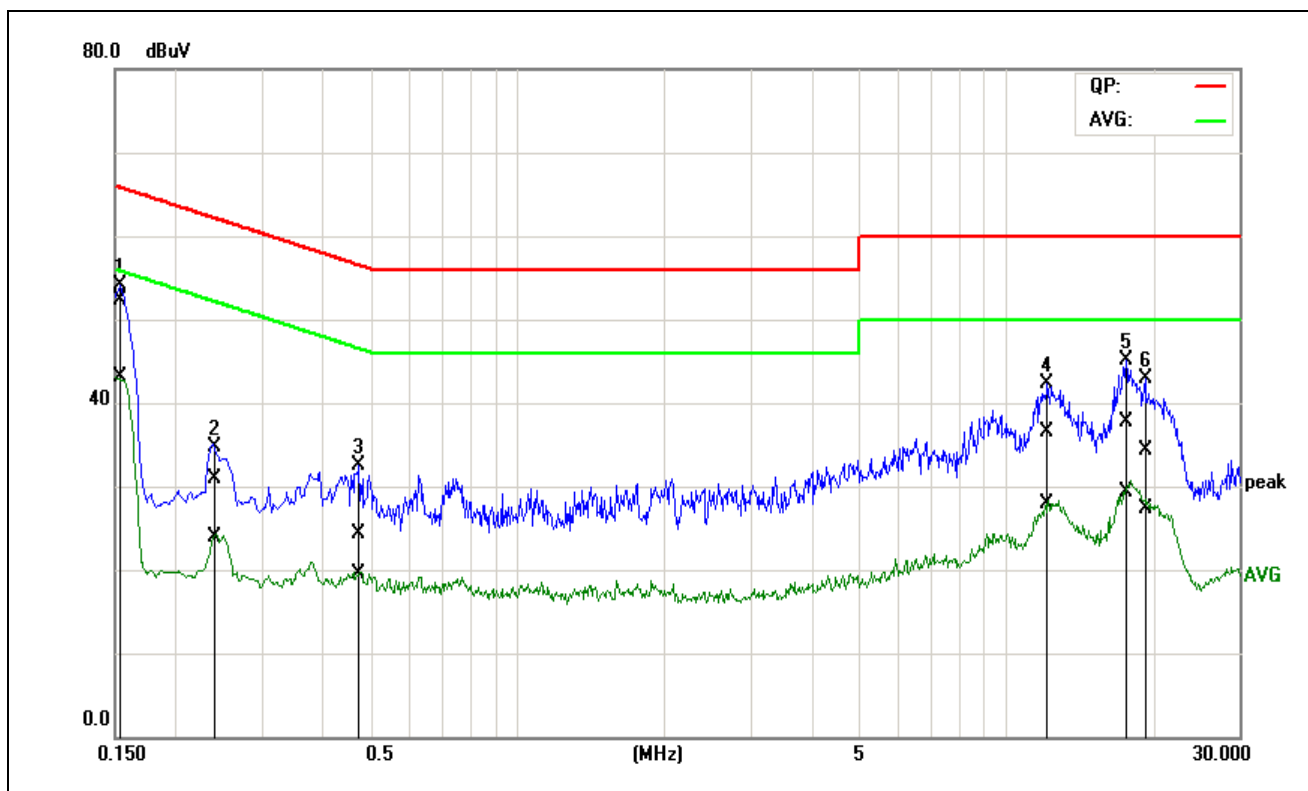
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 12:54:26
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 9



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	29.35	20.17	19.73	49.08	39.90	66.00	56.00	-16.92	-16.10	Pass
2	0.2694	15.54	4.81	19.69	35.23	24.50	61.14	51.14	-25.91	-26.64	Pass
3	0.4238	12.47	2.92	19.80	32.27	22.72	57.37	47.37	-25.10	-24.65	Pass
4	14.3903	19.90	9.62	20.70	40.60	30.32	60.00	50.00	-19.40	-19.68	Pass
5	15.8323	19.86	9.08	20.75	40.61	29.83	60.00	50.00	-19.39	-20.17	Pass
6	23.3003	15.57	8.17	21.16	36.73	29.33	60.00	50.00	-23.27	-20.67	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

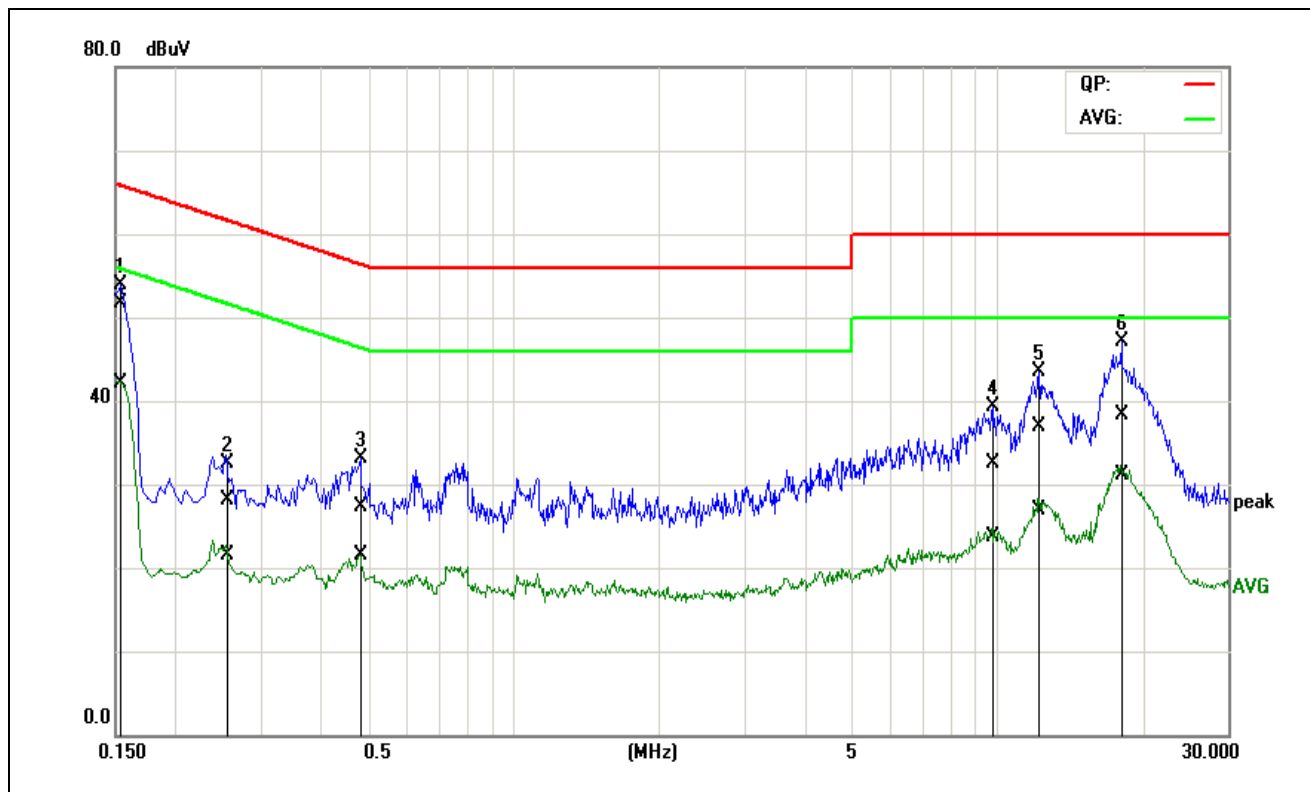
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:40:29
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 10



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1538	32.59	23.25	19.79	52.38	43.04	65.79	55.79	-13.41	-12.75	Pass
2	0.2411	11.29	4.36	19.63	30.92	23.99	62.06	52.06	-31.14	-28.07	Pass
3	0.4758	4.58	-0.36	19.81	24.39	19.45	56.41	46.41	-32.02	-26.96	Pass
4	12.1980	15.75	7.05	20.80	36.55	27.85	60.00	50.00	-23.45	-22.15	Pass
5	17.6837	16.70	8.30	21.00	37.70	29.30	60.00	50.00	-22.30	-20.70	Pass
6	19.3118	13.21	6.24	21.09	34.30	27.33	60.00	50.00	-25.70	-22.67	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

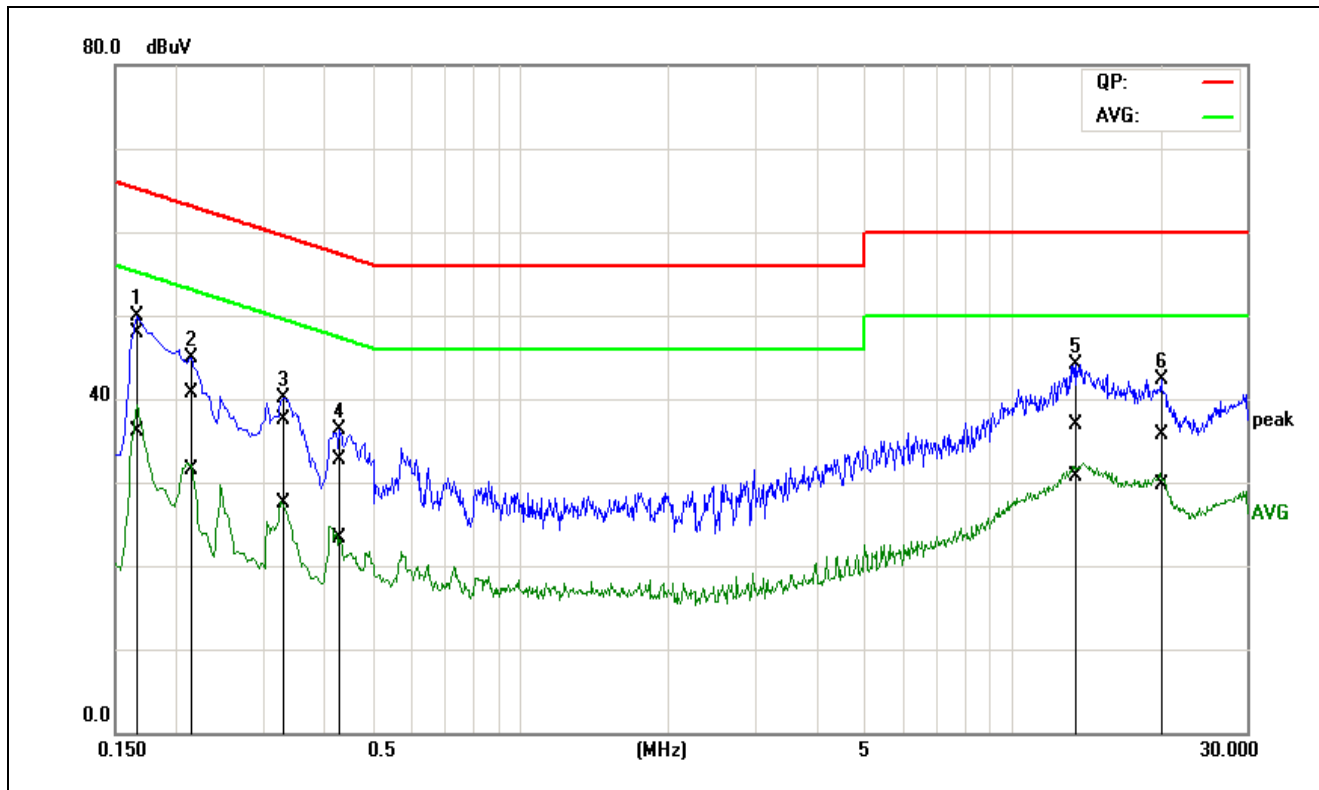
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:45:46
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 10



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1534	31.92	22.35	19.72	51.64	42.07	65.81	55.81	-14.17	-13.74	Pass
2	0.2565	8.38	1.77	19.68	28.06	21.45	61.54	51.54	-33.48	-30.09	Pass
3	0.4787	7.50	1.61	19.84	27.34	21.45	56.36	46.36	-29.02	-24.91	Pass
4	9.7580	11.74	2.84	20.79	32.53	23.63	60.00	50.00	-27.47	-26.37	Pass
5	12.2216	16.08	6.16	20.75	36.83	26.91	60.00	50.00	-23.17	-23.09	Pass
6	18.1263	17.36	10.12	20.94	38.30	31.06	60.00	50.00	-21.70	-18.94	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

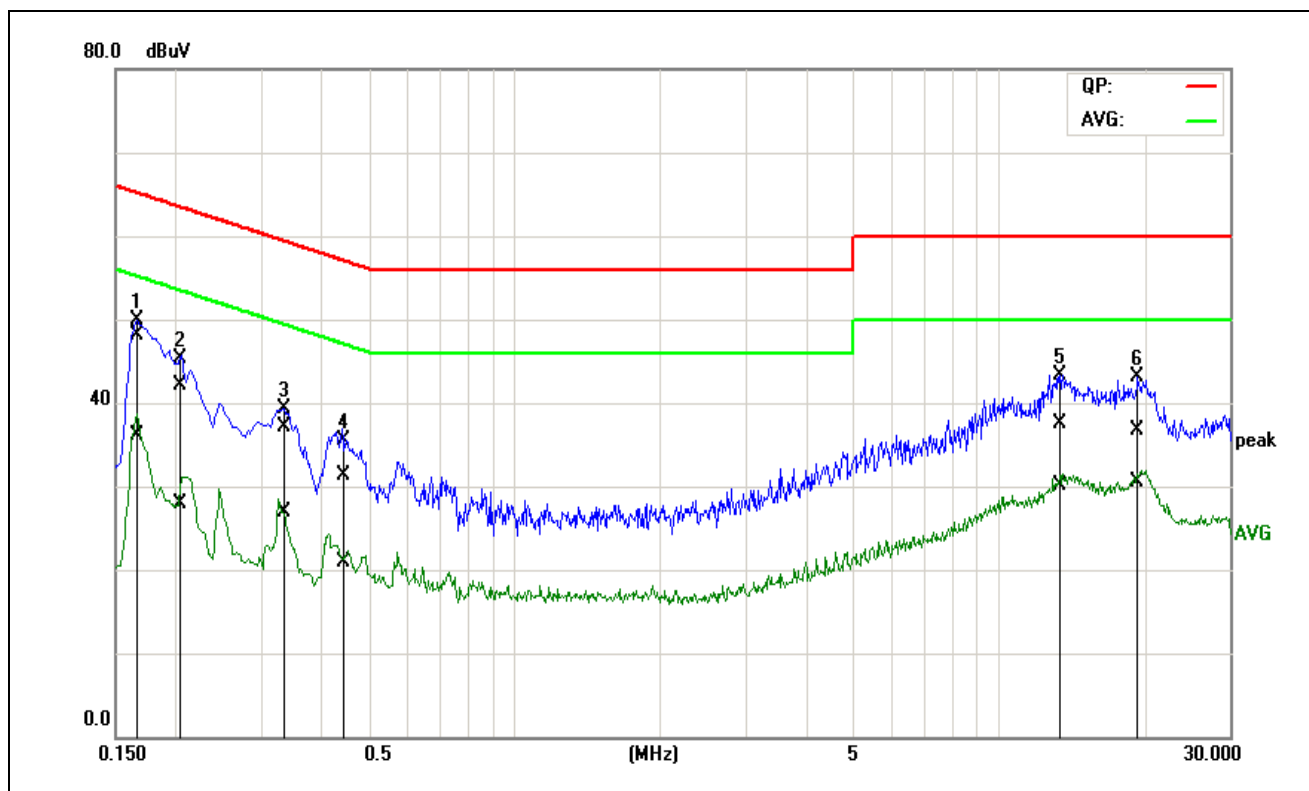
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:35:54
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 11



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1640	28.25	16.44	19.75	48.00	36.19	65.26	55.26	-17.26	-19.07	Pass
2	0.2124	21.14	11.97	19.61	40.75	31.58	63.11	53.11	-22.36	-21.53	Pass
3	0.3282	17.73	7.88	19.70	37.43	27.58	59.50	49.50	-22.07	-21.92	Pass
4	0.4284	12.93	3.62	19.78	32.71	23.40	57.28	47.28	-24.57	-23.88	Pass
5	13.4645	16.04	9.93	20.82	36.86	30.75	60.00	50.00	-23.14	-19.25	Pass
6	20.0516	14.67	8.48	21.13	35.80	29.61	60.00	50.00	-24.20	-20.39	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

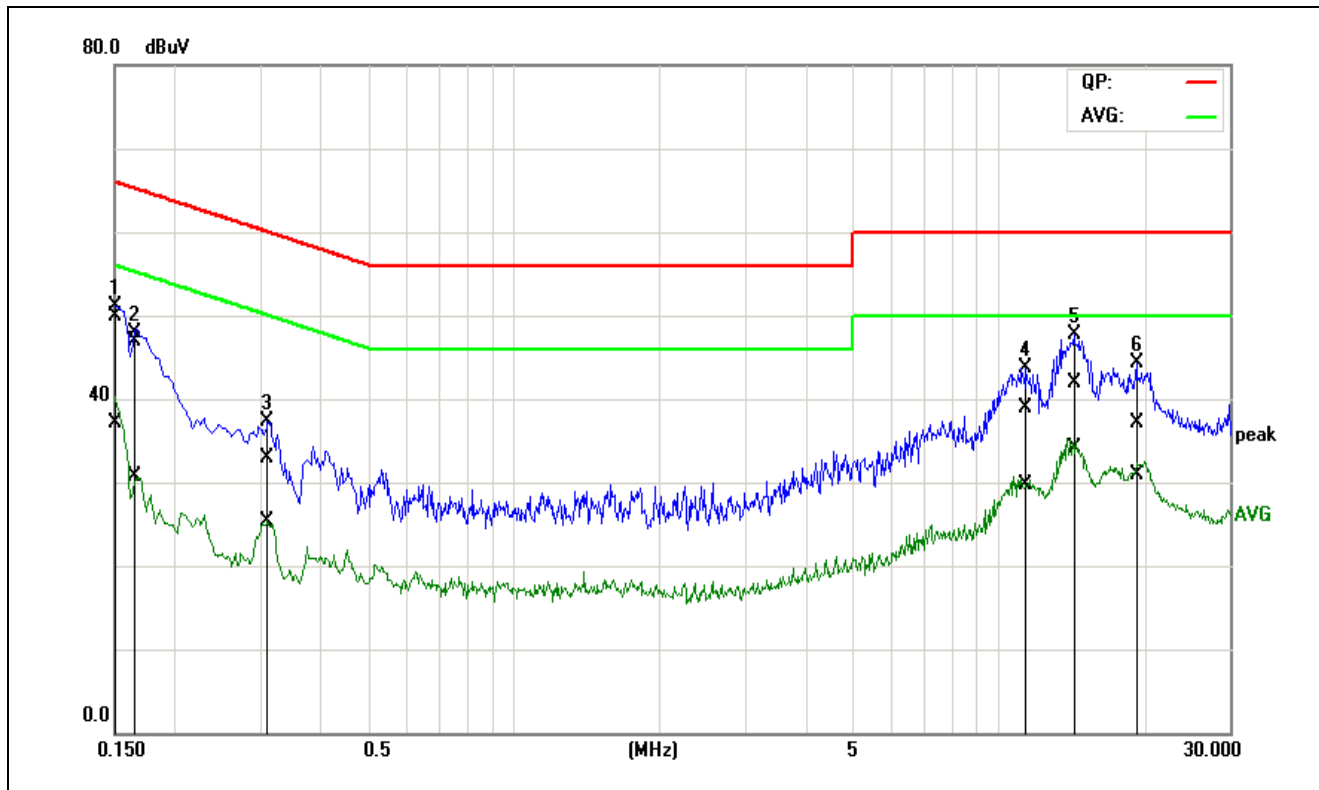
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:40:50
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 11



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1636	28.33	16.46	19.71	48.04	36.17	65.28	55.28	-17.24	-19.11	Pass
2	0.2018	22.41	8.27	19.64	42.05	27.91	63.54	53.54	-21.49	-25.63	Pass
3	0.3319	17.30	7.14	19.73	37.03	26.87	59.40	49.40	-22.37	-22.53	Pass
4	0.4461	11.53	1.11	19.81	31.34	20.92	56.95	46.95	-25.61	-26.03	Pass
5	13.3746	16.84	9.29	20.72	37.56	30.01	60.00	50.00	-22.44	-19.99	Pass
6	19.3567	15.60	9.39	21.04	36.64	30.43	60.00	50.00	-23.36	-19.57	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:20:14
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 12

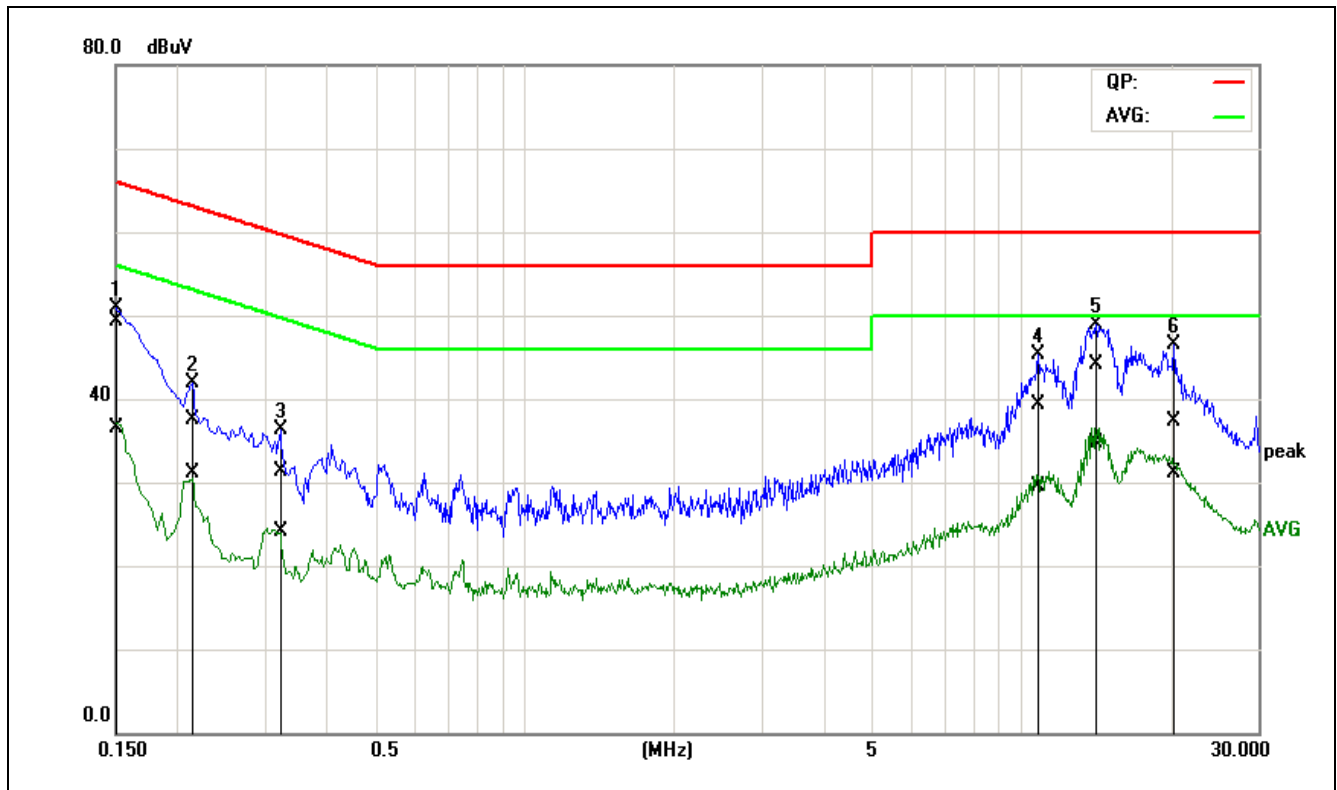


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	30.05	17.34	19.81	49.86	37.15	66.00	56.00	-16.14	-18.85	Pass
2	0.1628	27.08	10.93	19.76	46.84	30.69	65.32	55.32	-18.48	-24.63	Pass
3	0.3118	13.24	5.58	19.69	32.93	25.27	59.92	49.92	-26.99	-24.65	Pass
4	11.4029	18.21	8.92	20.79	39.00	29.71	60.00	50.00	-21.00	-20.29	Pass
5*	14.2707	21.00	13.31	20.83	41.83	34.14	60.00	50.00	-18.17	-15.86	Pass
6	19.2754	16.01	9.73	21.09	37.10	30.82	60.00	50.00	-22.90	-19.18	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



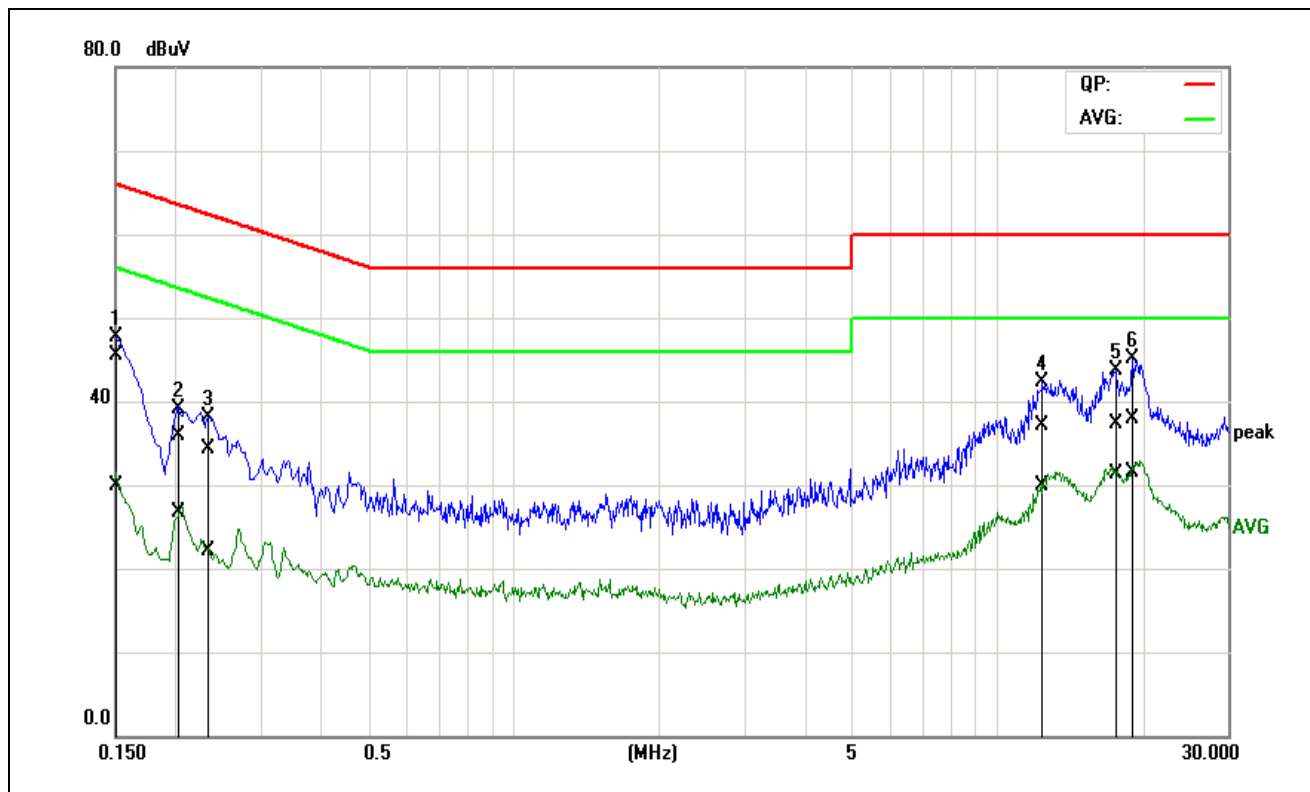
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 10:25:02
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 12



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	29.66	16.80	19.73	49.39	36.53	66.00	56.00	-16.61	-19.47	Pass
2	0.2134	17.86	11.46	19.65	37.51	31.11	63.07	53.07	-25.56	-21.96	Pass
3	0.3218	11.55	4.35	19.73	31.28	24.08	59.66	49.66	-28.38	-25.58	Pass
4	10.8206	18.54	8.81	20.79	39.33	29.60	60.00	50.00	-20.67	-20.40	Pass
5*	14.1494	23.42	14.09	20.70	44.12	34.79	60.00	50.00	-15.88	-15.21	Pass
6	20.3428	16.24	10.05	21.10	37.34	31.15	60.00	50.00	-22.66	-18.85	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

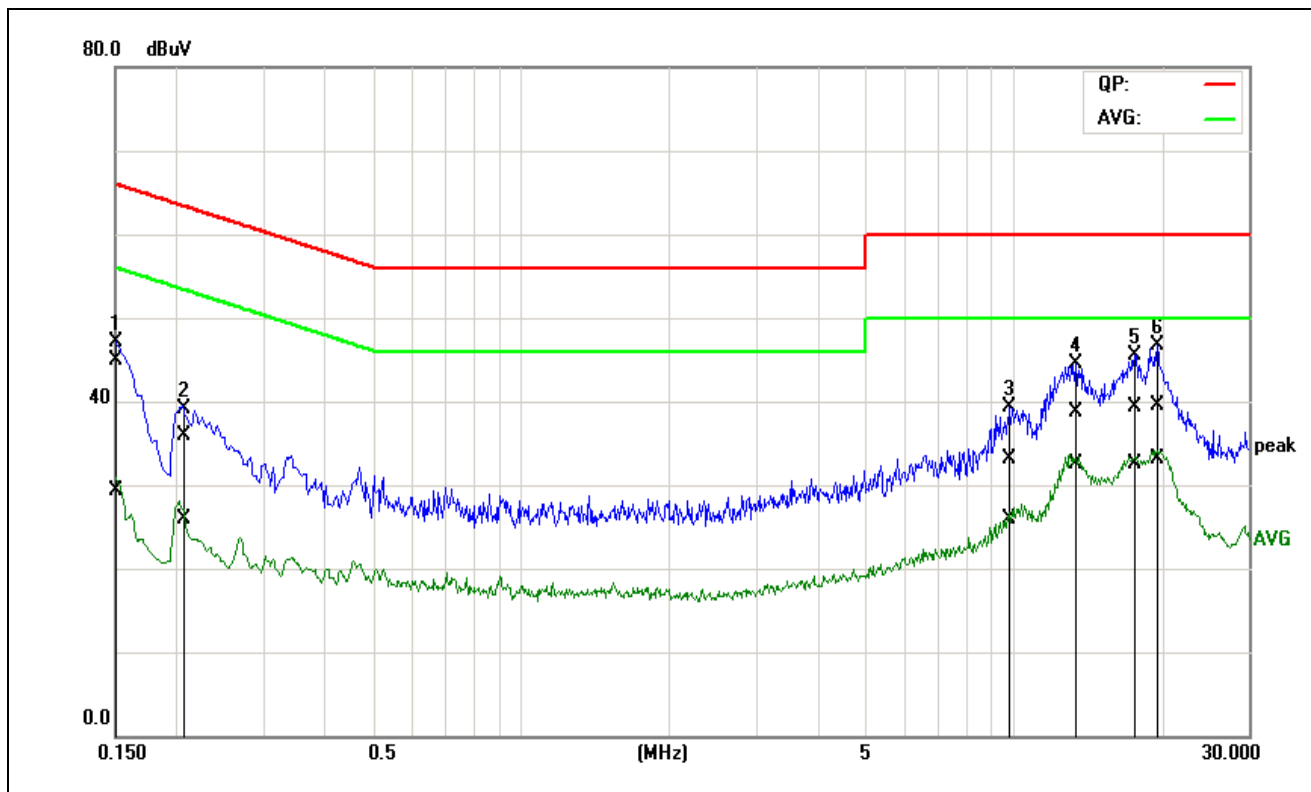
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:18:53
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 13



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	25.74	10.00	19.81	45.55	29.81	66.00	56.00	-20.45	-26.19	Pass
2	0.2044	16.25	7.10	19.60	35.85	26.70	63.43	53.43	-27.58	-26.73	Pass
3	0.2313	14.71	2.43	19.62	34.33	22.05	62.40	52.40	-28.07	-30.35	Pass
4	12.3437	16.38	9.19	20.80	37.18	29.99	60.00	50.00	-22.82	-20.01	Pass
5	17.6108	16.23	10.23	20.99	37.22	31.22	60.00	50.00	-22.78	-18.78	Pass
6*	19.0970	16.85	10.34	21.08	37.93	31.42	60.00	50.00	-22.07	-18.58	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

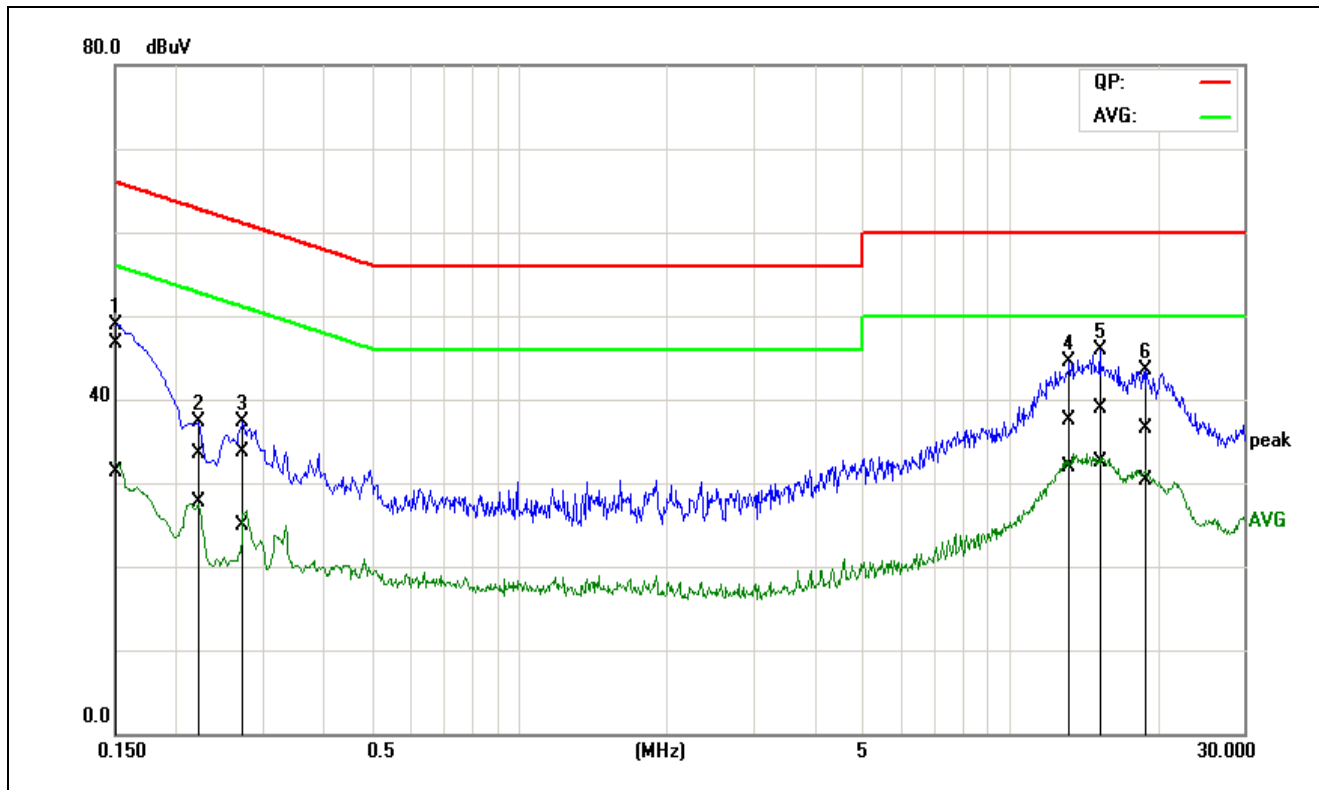
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:23:46
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 13



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	25.27	9.58	19.73	45.00	29.31	66.00	56.00	-21.00	-26.69	Pass
2	0.2076	16.30	6.16	19.65	35.95	25.81	63.30	53.30	-27.35	-27.49	Pass
3	9.7984	12.23	5.18	20.79	33.02	25.97	60.00	50.00	-26.98	-24.03	Pass
4	13.3887	18.07	11.80	20.72	38.79	32.52	60.00	50.00	-21.21	-17.48	Pass
5	17.6127	18.34	11.62	20.89	39.23	32.51	60.00	50.00	-20.77	-17.49	Pass
6*	19.5604	18.45	12.01	21.05	39.50	33.06	60.00	50.00	-20.50	-16.94	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

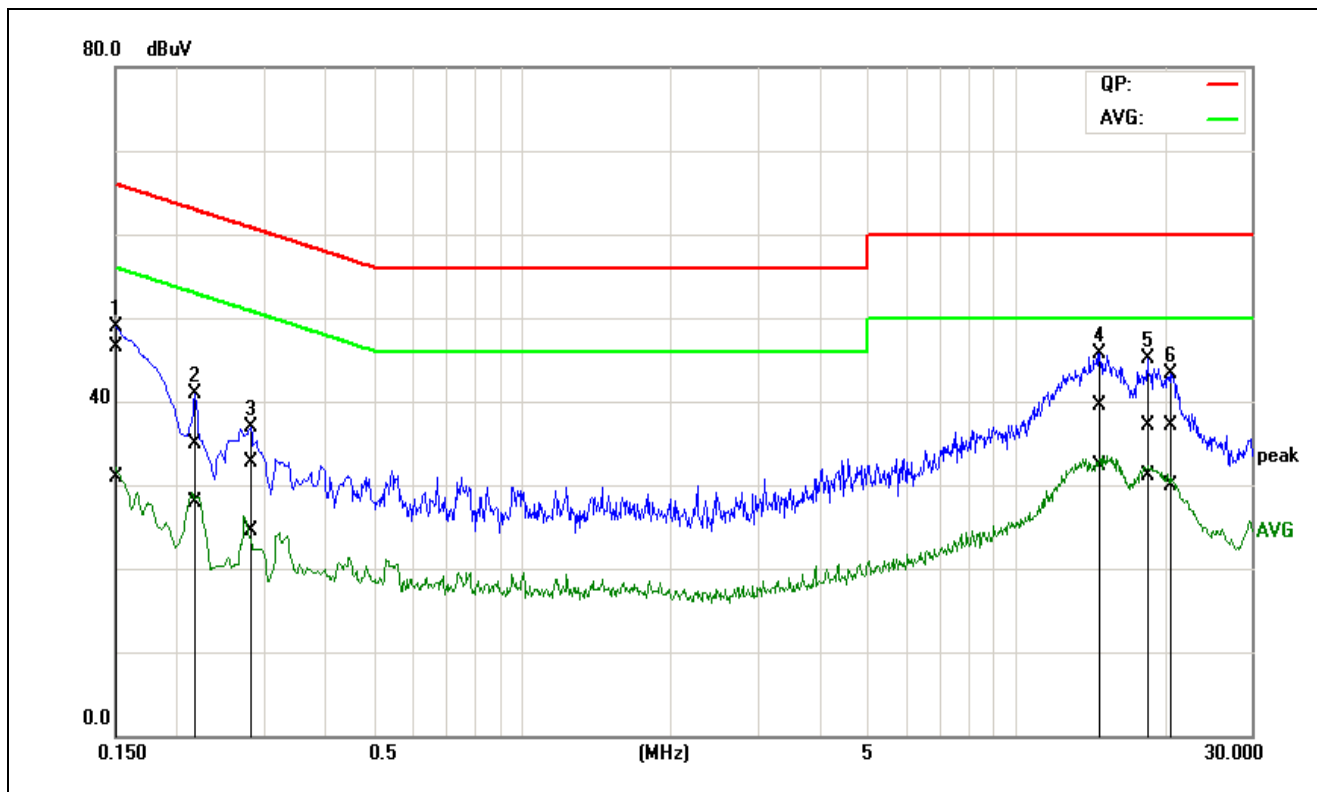
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:54:08
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 14



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	26.89	11.54	19.81	46.70	31.35	65.99	56.00	-19.29	-24.65	Pass
2	0.2222	13.84	8.07	19.62	33.46	27.69	62.73	52.74	-29.27	-25.05	Pass
3	0.2745	14.02	5.31	19.66	33.68	24.97	60.98	50.98	-27.30	-26.01	Pass
4	13.2633	16.68	11.05	20.82	37.50	31.87	60.00	50.00	-22.50	-18.13	Pass
5*	15.2558	17.98	11.74	20.85	38.83	32.59	60.00	50.00	-21.17	-17.41	Pass
6	18.9521	15.43	9.20	21.07	36.50	30.27	60.00	50.00	-23.50	-19.73	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

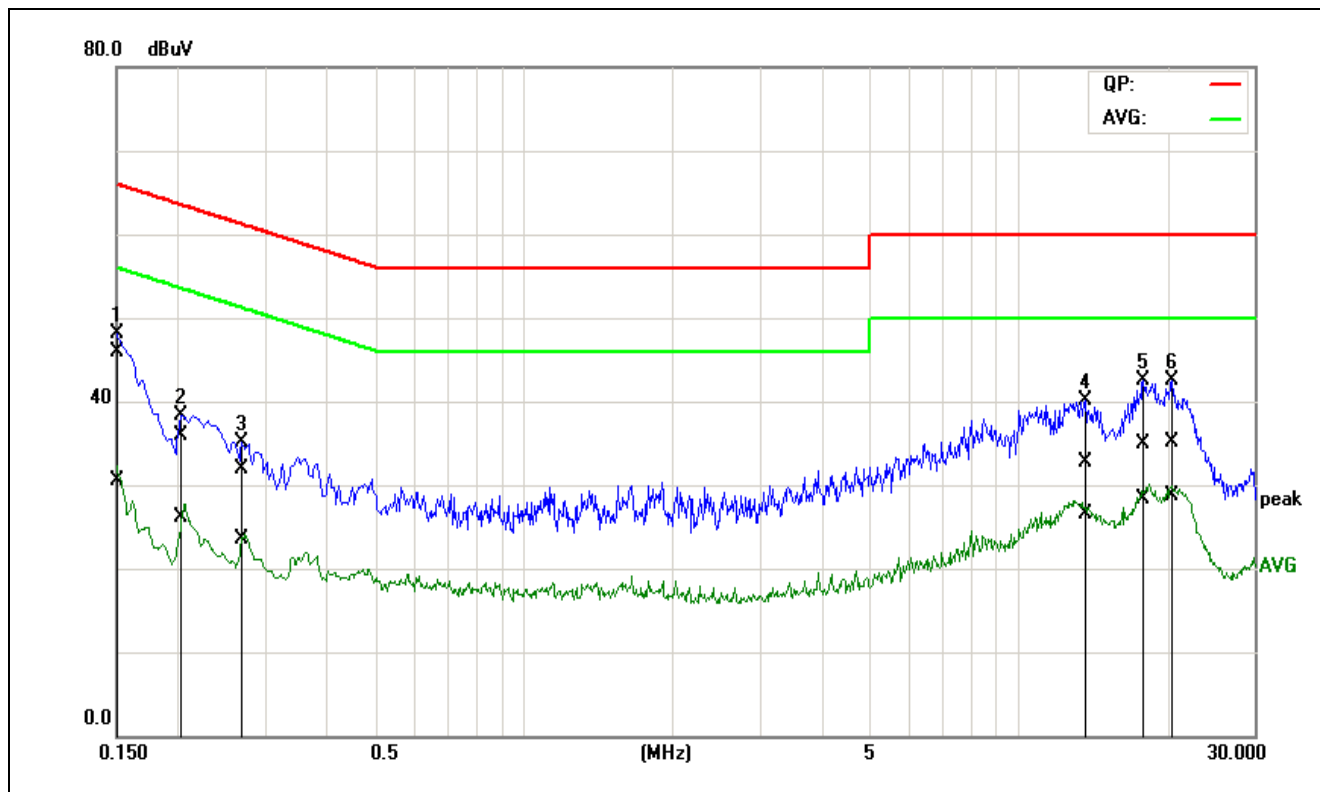
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:59:10
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 14



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	26.70	11.17	19.73	46.43	30.90	65.99	56.00	-19.56	-25.10	Pass
2	0.2197	15.16	8.23	19.65	34.81	27.88	62.83	52.83	-28.02	-24.95	Pass
3	0.2779	13.02	4.82	19.69	32.71	24.51	60.88	50.88	-28.17	-26.37	Pass
4*	14.8104	18.83	11.69	20.68	39.51	32.37	60.00	50.00	-20.49	-17.63	Pass
5	18.4778	16.19	10.20	20.97	37.16	31.17	60.00	50.00	-22.84	-18.83	Pass
6	20.5250	15.95	8.82	21.10	37.05	29.92	60.00	50.00	-22.95	-20.08	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

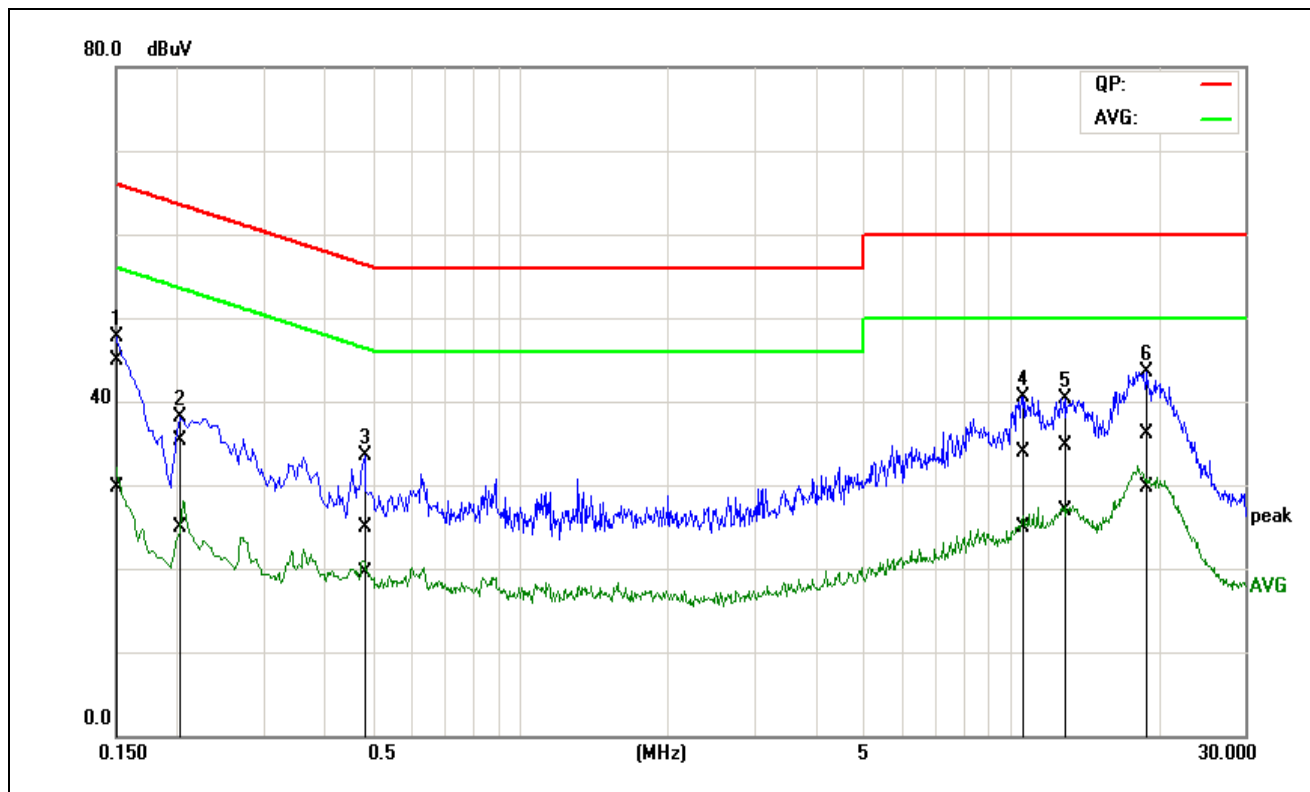
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Company:	MEAN WELL	Time:	PM 01:19:36
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 15



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	26.01	10.69	19.81	45.82	30.50	66.00	56.00	-20.18	-25.50	Pass
2	0.2035	16.32	6.46	19.60	35.92	26.06	63.47	53.47	-27.55	-27.41	Pass
3	0.2704	12.16	3.83	19.65	31.81	23.48	61.11	51.11	-29.30	-27.63	Pass
4	13.6768	11.96	5.61	20.82	32.78	26.43	60.00	50.00	-27.22	-23.57	Pass
5	17.7918	13.97	7.31	21.00	34.97	28.31	60.00	50.00	-25.03	-21.69	Pass
6	20.4018	13.90	7.56	21.14	35.04	28.70	60.00	50.00	-24.96	-21.30	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

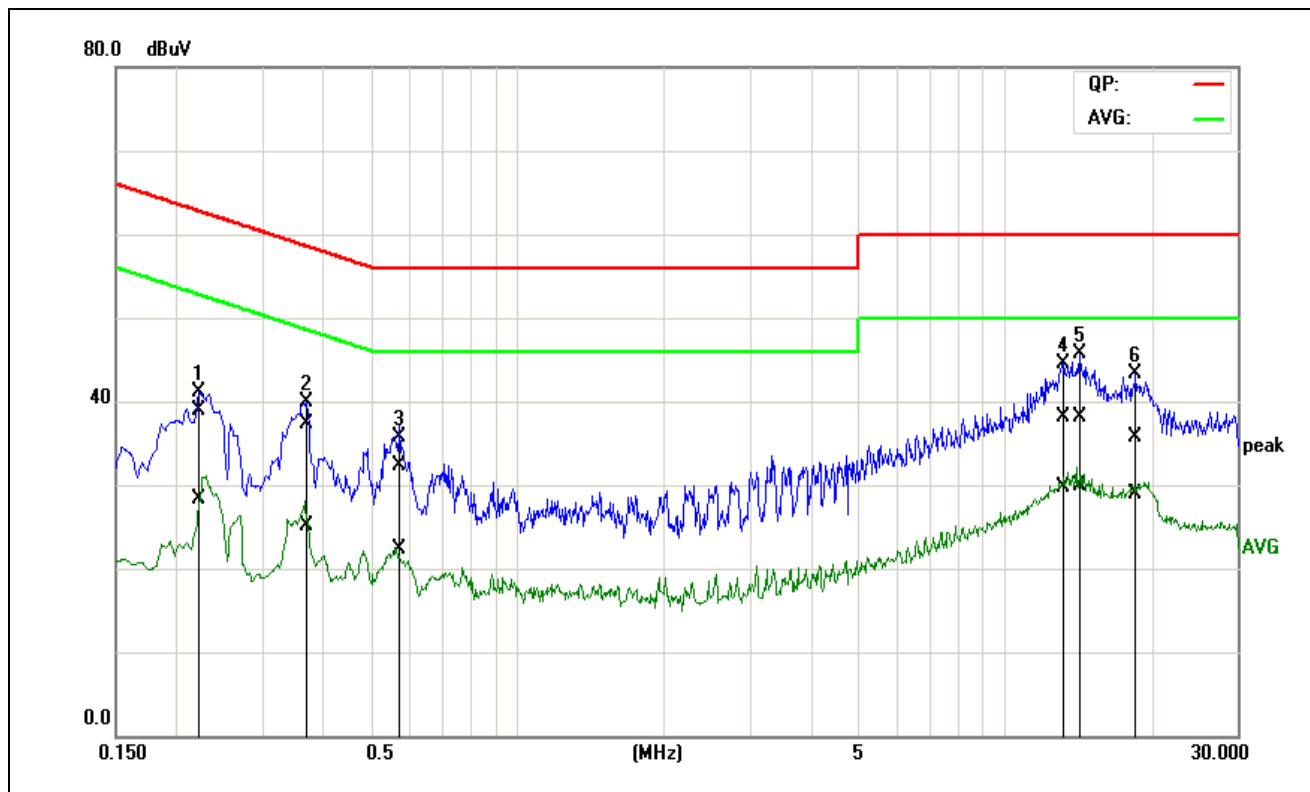
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Company:	MEAN WELL	Time:	PM 01:24:22
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 15



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	25.16	9.94	19.73	44.89	29.67	66.00	56.00	-21.11	-26.33	Pass
2	0.2014	15.66	5.32	19.64	35.30	24.96	63.55	53.55	-28.25	-28.59	Pass
3	0.4833	5.00	-0.25	19.84	24.84	19.59	56.28	46.28	-31.44	-26.69	Pass
4	10.5775	13.05	4.06	20.79	33.84	24.85	60.00	50.00	-26.16	-25.15	Pass
5	12.9097	13.95	6.18	20.73	34.68	26.91	60.00	50.00	-25.32	-23.09	Pass
6*	18.8559	15.17	8.79	21.00	36.17	29.79	60.00	50.00	-23.83	-20.21	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:48:06
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 16

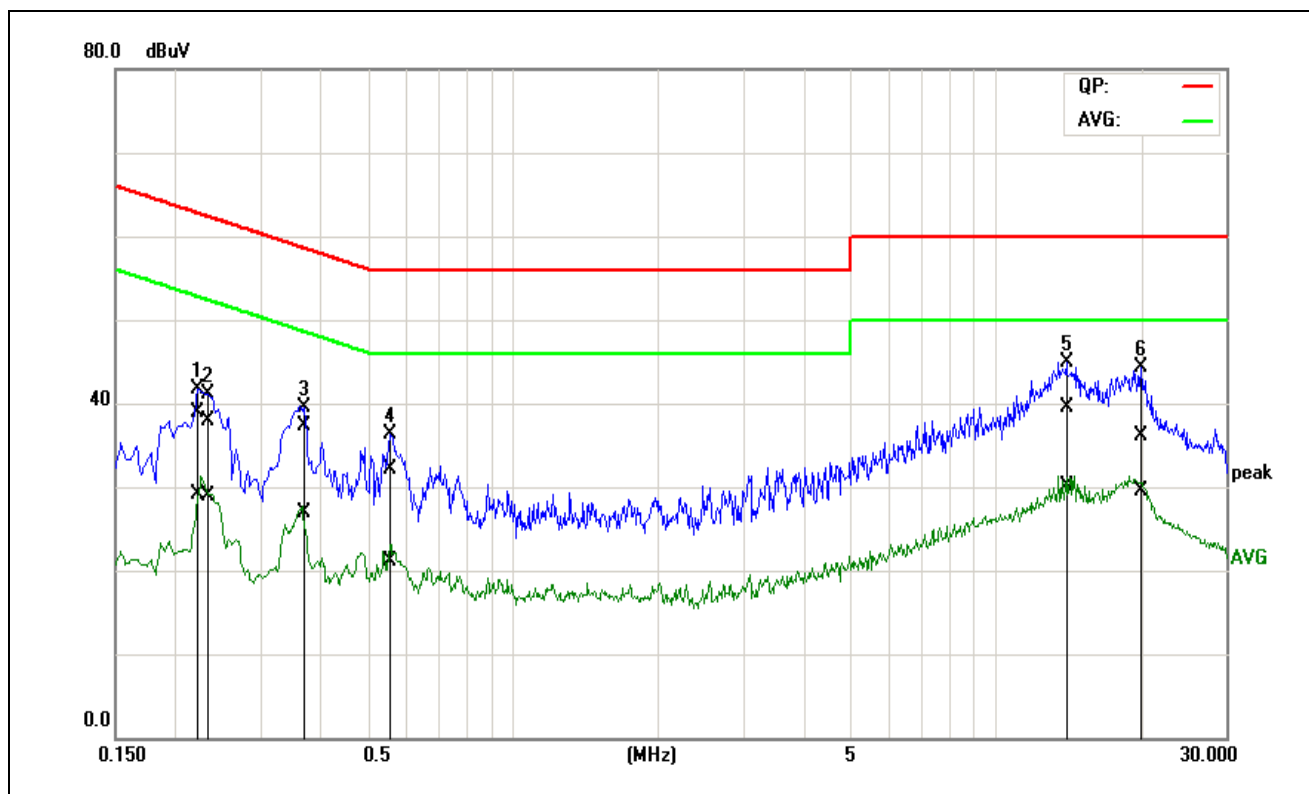


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2223	19.27	8.62	19.62	38.89	28.24	62.73	52.73	-23.84	-24.49	Pass
2	0.3708	17.66	5.38	19.73	37.39	25.11	58.48	48.48	-21.09	-23.37	Pass
3	0.5640	12.49	2.57	19.83	32.32	22.40	56.00	46.00	-23.68	-23.60	Pass
4	13.2255	17.31	8.97	20.82	38.13	29.79	60.00	50.00	-21.87	-20.21	Pass
5*	14.3072	17.32	9.01	20.83	38.15	29.84	60.00	50.00	-21.85	-20.16	Pass
6	18.5651	14.62	7.80	21.05	35.67	28.85	60.00	50.00	-24.33	-21.15	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



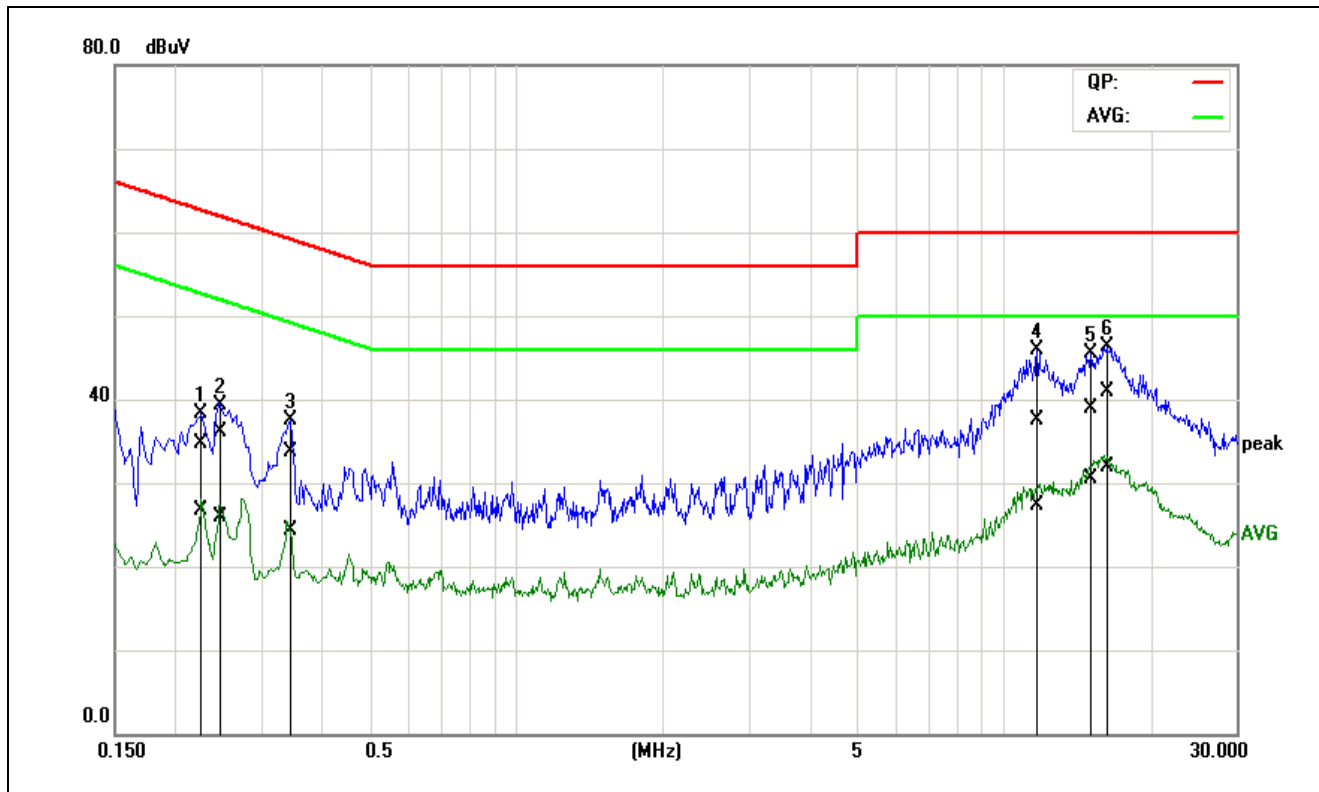
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 09:52:51
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 16



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2234	19.32	9.38	19.66	38.98	29.04	62.69	52.69	-23.71	-23.65	Pass
2	0.2349	18.28	9.25	19.66	37.94	28.91	62.27	52.27	-24.33	-23.36	Pass
3	0.3667	17.58	7.19	19.76	37.34	26.95	58.58	48.58	-21.24	-21.63	Pass
4	0.5534	12.21	1.25	19.85	32.06	21.10	56.00	46.00	-23.94	-24.90	Pass
5*	13.9982	18.74	9.40	20.71	39.45	30.11	60.00	50.00	-20.55	-19.89	Pass
6	20.0027	15.02	8.35	21.09	36.11	29.44	60.00	50.00	-23.89	-20.56	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

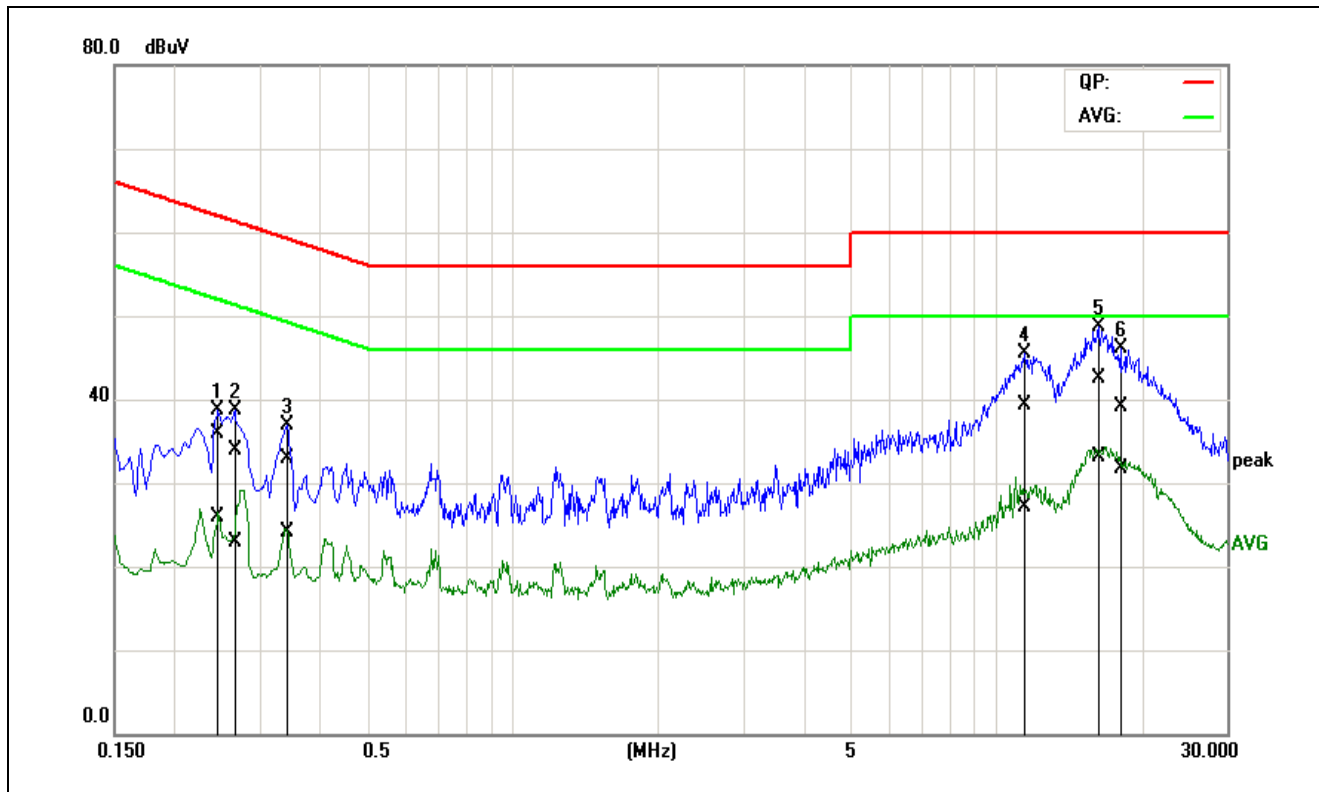
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Company:	MEAN WELL	Time:	AM 10:32:33
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 17



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2251	15.08	7.04	19.62	34.70	26.66	62.63	52.63	-27.93	-25.97	Pass
2	0.2488	16.45	6.29	19.64	36.09	25.93	61.80	51.80	-25.71	-25.87	Pass
3	0.3426	13.90	4.60	19.71	33.61	24.31	59.14	49.14	-25.53	-24.83	Pass
4	11.7222	16.72	6.57	20.79	37.51	27.36	60.00	50.00	-22.49	-22.64	Pass
5	15.1469	17.99	9.58	20.85	38.84	30.43	60.00	50.00	-21.16	-19.57	Pass
6*	16.2121	19.98	10.97	20.91	40.89	31.88	60.00	50.00	-19.11	-18.12	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

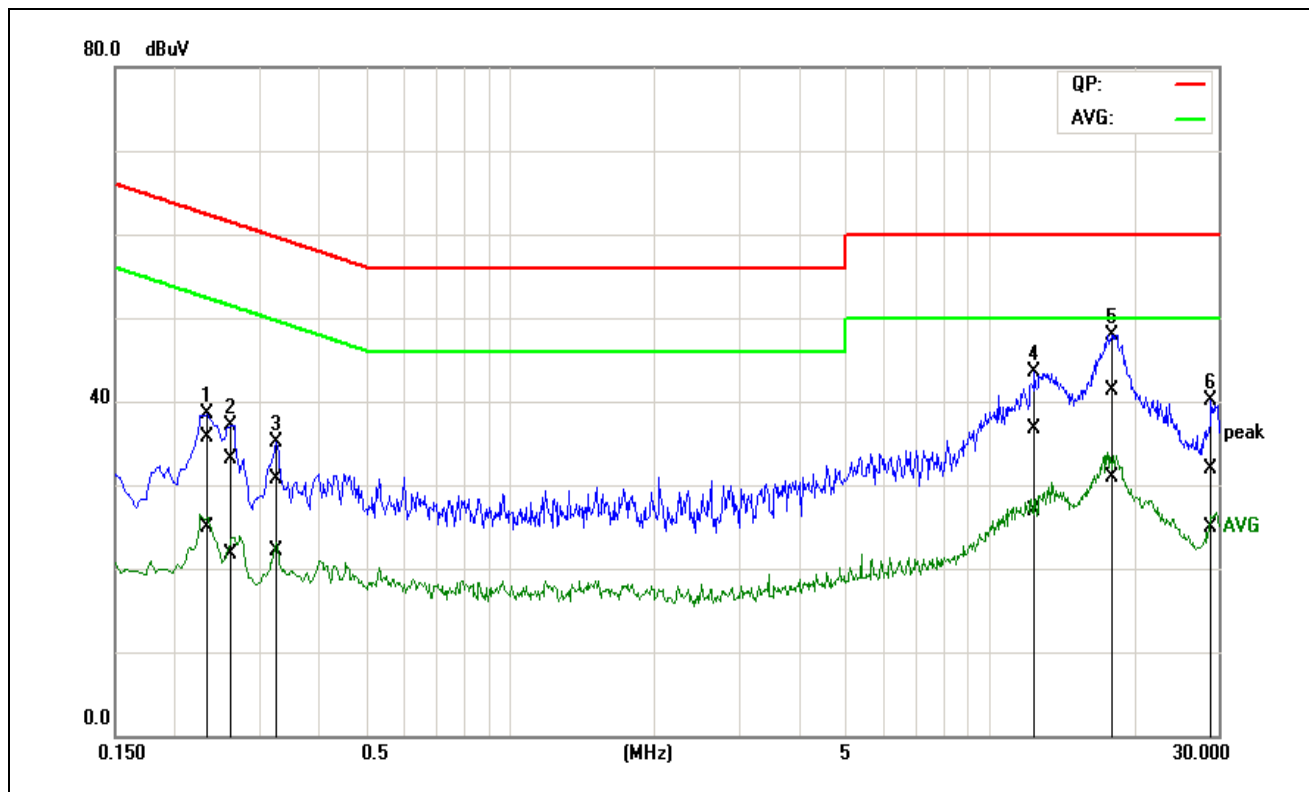
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Company:	MEAN WELL	Time:	AM 10:37:28
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 17



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2453	16.25	6.31	19.67	35.92	25.98	61.91	51.91	-25.99	-25.93	Pass
2	0.2648	14.30	3.14	19.69	33.99	22.83	61.28	51.28	-27.29	-28.45	Pass
3	0.3411	13.18	4.36	19.74	32.92	24.10	59.18	49.18	-26.26	-25.08	Pass
4	11.4977	18.49	6.27	20.77	39.26	27.04	60.00	50.00	-20.74	-22.96	Pass
5*	16.3510	21.71	12.32	20.79	42.50	33.11	60.00	50.00	-17.50	-16.89	Pass
6	18.0460	18.26	10.75	20.93	39.19	31.68	60.00	50.00	-20.81	-18.32	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

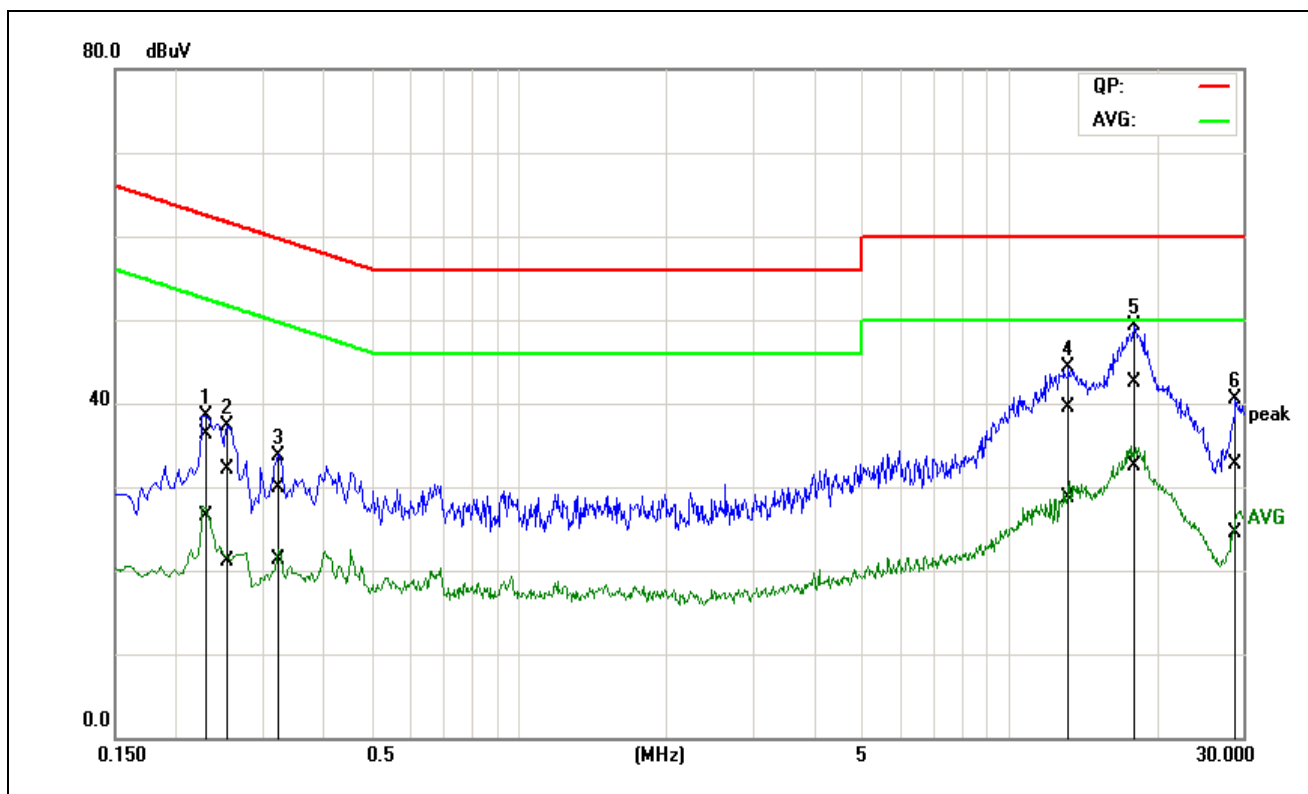
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	AM 11:07:46
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 18



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2335	16.00	5.18	19.63	35.63	24.81	62.32	52.32	-26.69	-27.51	Pass
2	0.2590	13.50	2.15	19.65	33.15	21.80	61.46	51.46	-28.31	-29.66	Pass
3	0.3224	10.97	2.34	19.69	30.66	22.03	59.64	49.64	-28.98	-27.61	Pass
4	12.4141	15.89	6.13	20.80	36.69	26.93	60.00	50.00	-23.31	-23.07	Pass
5*	18.0129	20.29	9.86	21.01	41.30	30.87	60.00	50.00	-18.70	-19.13	Pass
6	28.9816	10.61	3.49	21.37	31.98	24.86	60.00	50.00	-28.02	-25.14	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

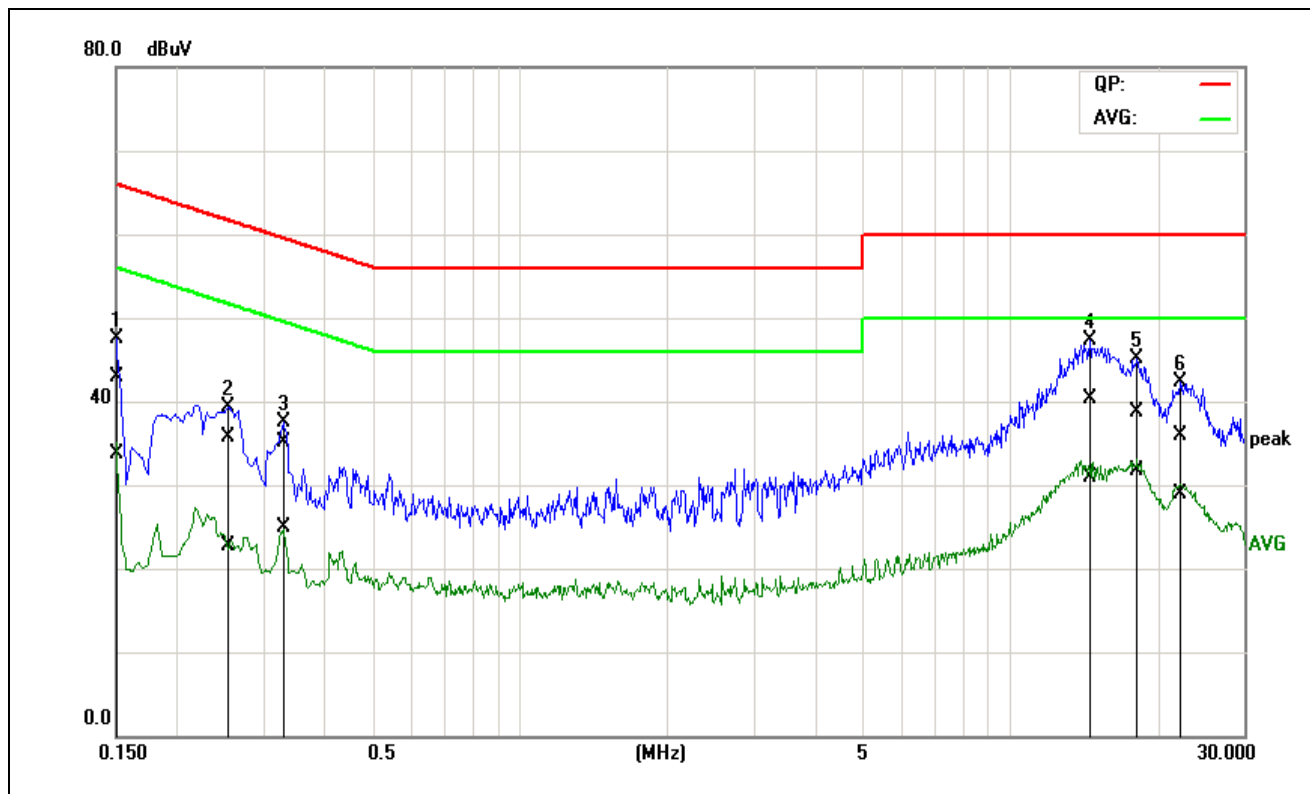
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Company:	MEAN WELL	Time:	AM 11:12:44
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 18



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2292	16.57	6.80	19.66	36.23	26.46	62.48	52.48	-26.25	-26.02	Pass
2	0.2539	12.42	1.46	19.68	32.10	21.14	61.63	51.63	-29.53	-30.49	Pass
3	0.3267	10.12	1.66	19.73	29.85	21.39	59.53	49.53	-29.68	-28.14	Pass
4	13.2192	18.81	8.07	20.73	39.54	28.80	60.00	50.00	-20.46	-21.20	Pass
5*	18.0192	21.65	11.60	20.93	42.58	32.53	60.00	50.00	-17.42	-17.47	Pass
6	28.8607	11.26	3.12	21.38	32.64	24.50	60.00	50.00	-27.36	-25.50	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

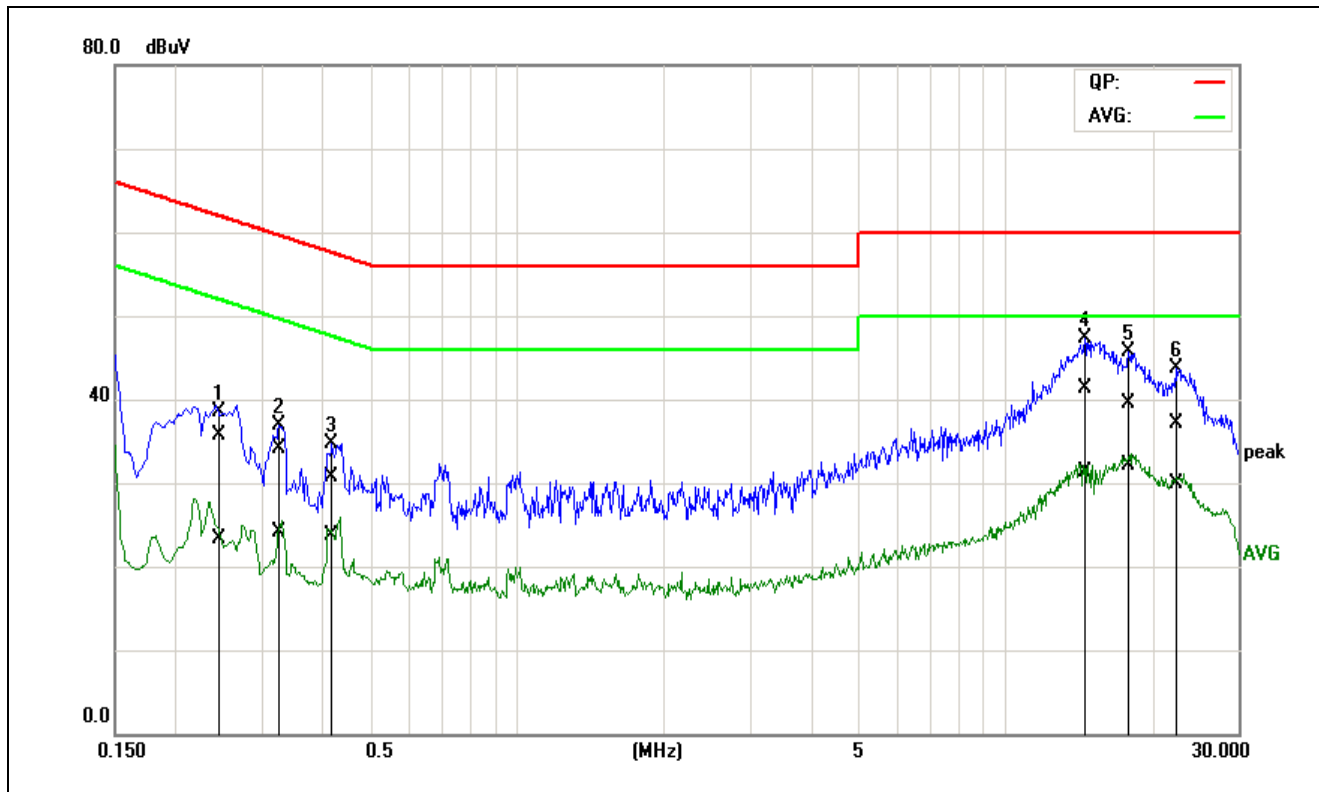
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Company:	MEAN WELL	Time:	PM 12:37:38
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 19



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	23.16	13.95	19.81	42.97	33.76	66.00	56.00	-23.03	-22.24	Pass
2	0.2546	15.97	2.97	19.64	35.61	22.61	61.61	51.61	-26.00	-29.00	Pass
3	0.3275	15.31	5.25	19.70	35.01	24.95	59.51	49.51	-24.50	-24.56	Pass
4	14.5243	19.42	10.06	20.83	40.25	30.89	60.00	50.00	-19.75	-19.11	Pass
5*	18.1579	17.64	10.60	21.02	38.66	31.62	60.00	50.00	-21.34	-18.38	Pass
6	22.2207	14.67	7.83	21.16	35.83	28.99	60.00	50.00	-24.17	-21.01	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

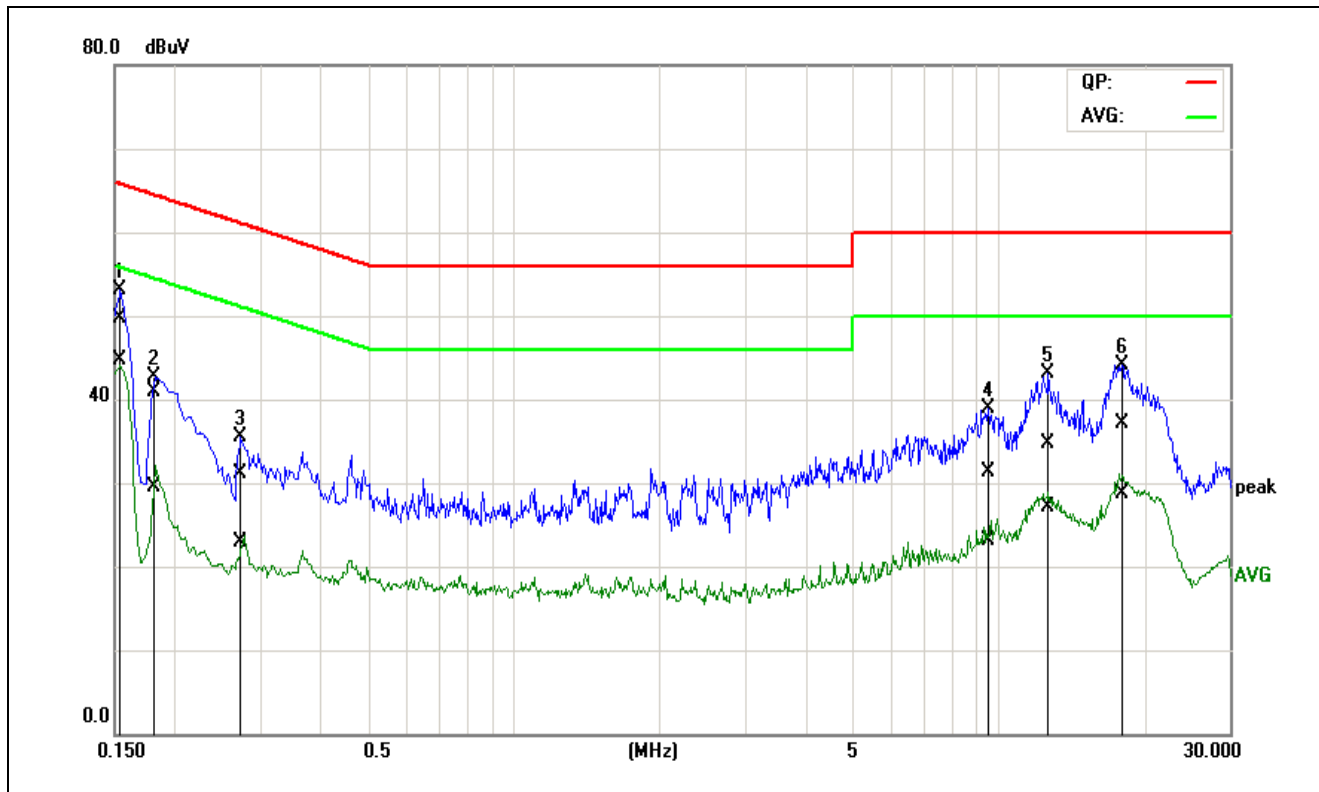
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 12:43:00
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 19



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2456	16.09	3.61	19.67	35.76	23.28	61.90	51.90	-26.14	-28.62	Pass
2	0.3250	14.31	4.29	19.73	34.04	24.02	59.58	49.58	-25.54	-25.56	Pass
3	0.4187	11.01	3.91	19.79	30.80	23.70	57.47	47.47	-26.67	-23.77	Pass
4	14.4912	20.61	10.71	20.69	41.30	31.40	60.00	50.00	-18.70	-18.60	Pass
5*	17.8494	18.63	11.16	20.91	39.54	32.07	60.00	50.00	-20.46	-17.93	Pass
6	22.3935	15.87	8.72	21.14	37.01	29.86	60.00	50.00	-22.99	-20.14	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:30:05
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 20

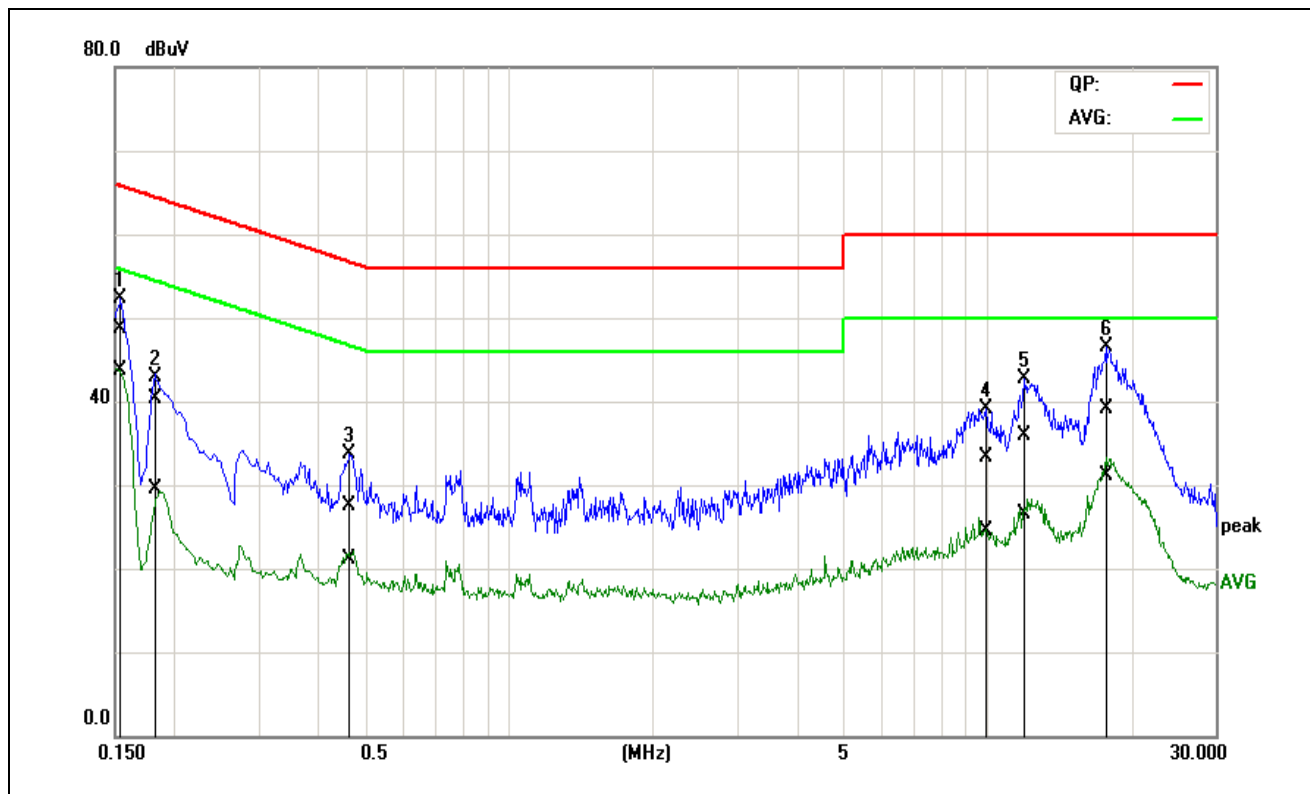


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1541	29.97	24.93	19.79	49.76	44.72	65.78	55.78	-16.02	-11.06	Pass
2	0.1829	21.21	9.88	19.67	40.88	29.55	64.35	54.35	-23.47	-24.80	Pass
3	0.2752	11.36	3.18	19.66	31.02	22.84	60.96	50.96	-29.94	-28.12	Pass
4	9.5178	10.49	2.40	20.72	31.21	23.12	60.00	50.00	-28.79	-26.88	Pass
5	12.7759	13.96	6.33	20.81	34.77	27.14	60.00	50.00	-25.23	-22.86	Pass
6	17.9738	16.02	7.73	21.01	37.03	28.74	60.00	50.00	-22.97	-21.26	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



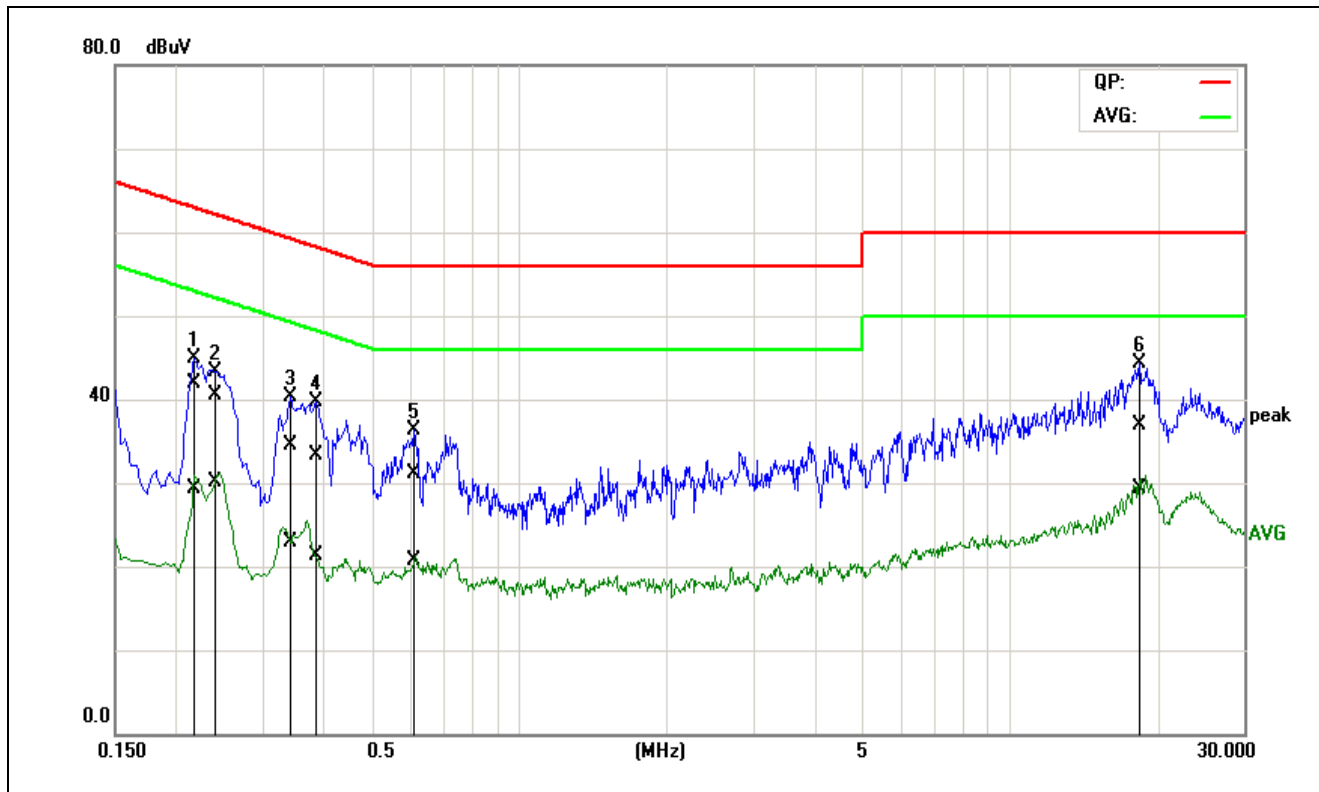
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:35:02
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 20



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1541	29.02	24.02	19.72	48.74	43.74	65.78	55.78	-17.04	-12.04	Pass
2	0.1840	20.64	9.90	19.67	40.31	29.57	64.30	54.30	-23.99	-24.73	Pass
3	0.4649	7.72	1.26	19.83	27.55	21.09	56.60	46.60	-29.05	-25.51	Pass
4	9.9162	12.60	3.66	20.80	33.40	24.46	60.00	50.00	-26.60	-25.54	Pass
5	11.9941	15.13	5.74	20.76	35.89	26.50	60.00	50.00	-24.11	-23.50	Pass
6	17.7040	18.27	10.20	20.90	39.17	31.10	60.00	50.00	-20.83	-18.90	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

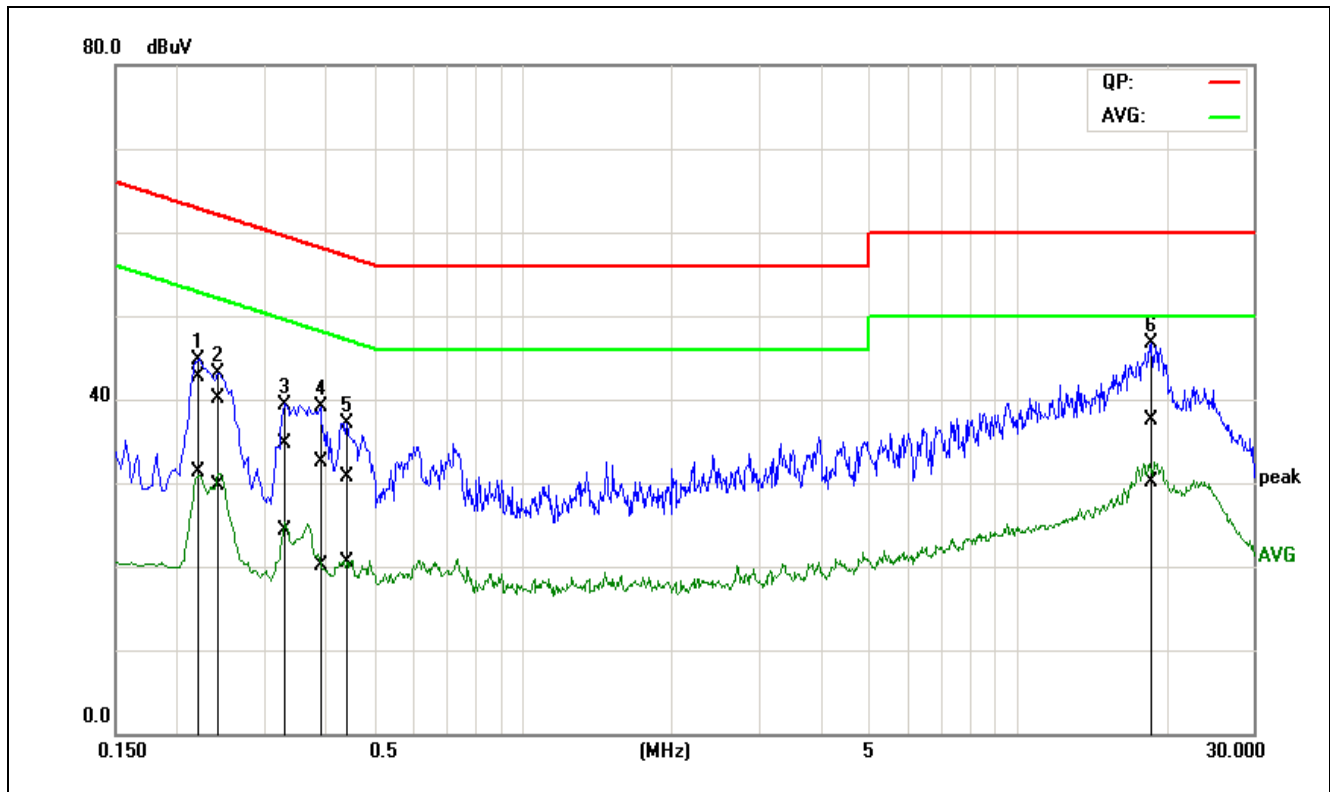
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:26:07
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 21



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2164	22.32	9.68	19.61	41.93	29.29	62.96	52.96	-21.03	-23.67	Pass
2	0.2404	20.84	10.40	19.63	40.47	30.03	62.08	52.08	-21.61	-22.05	Pass
3	0.3441	14.89	3.11	19.71	34.60	22.82	59.10	49.10	-24.50	-26.28	Pass
4	0.3859	13.58	1.47	19.74	33.32	21.21	58.15	48.15	-24.83	-26.94	Pass
5	0.6136	11.23	0.85	19.83	31.06	20.68	56.00	46.00	-24.94	-25.32	Pass
6*	18.3677	15.83	8.20	21.04	36.87	29.24	60.00	50.00	-23.13	-20.76	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

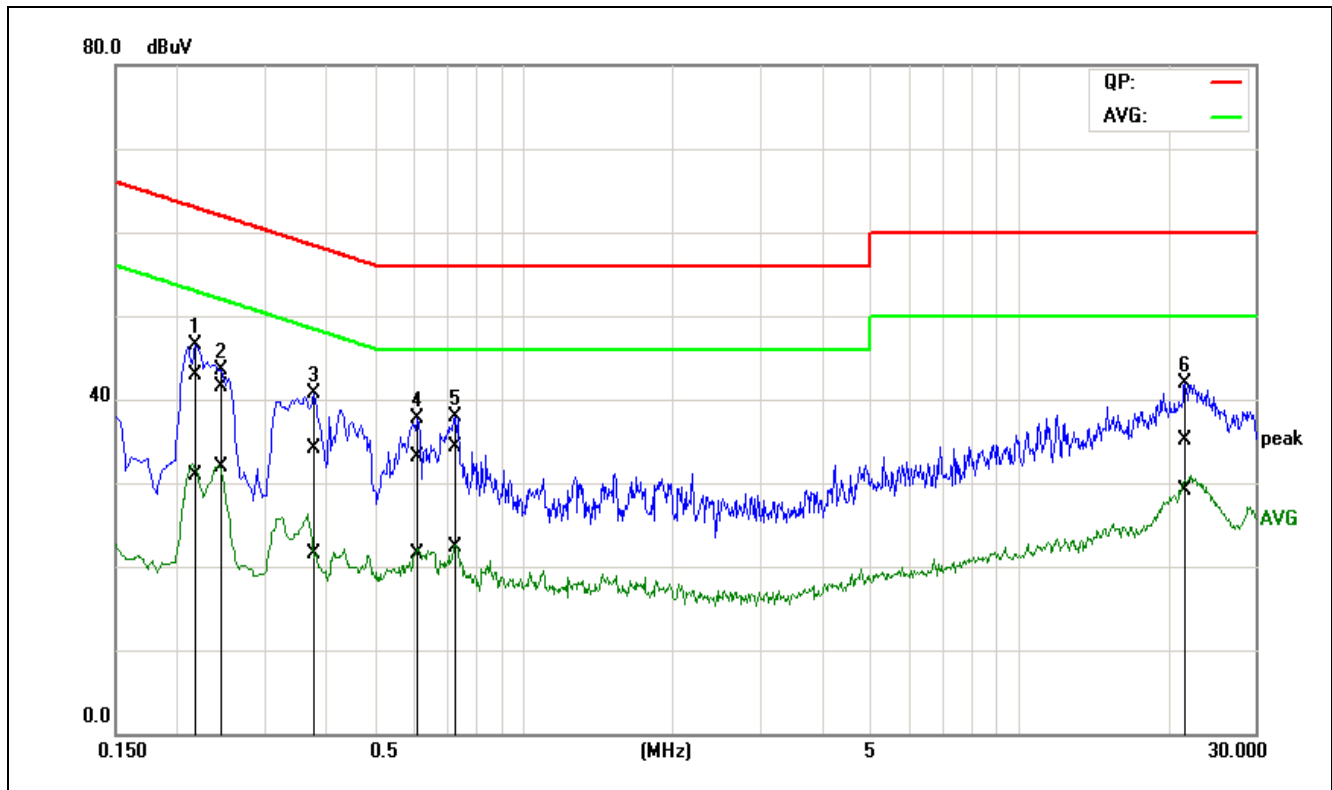
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:32:04
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 21



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2188	23.13	11.57	19.65	42.78	31.22	62.86	52.86	-20.08	-21.64	Pass
2	0.2385	20.34	9.99	19.67	40.01	29.66	62.15	52.15	-22.14	-22.49	Pass
3	0.3330	14.93	4.52	19.73	34.66	24.25	59.38	49.38	-24.72	-25.13	Pass
4	0.3918	12.79	0.29	19.77	32.56	20.06	58.03	48.03	-25.47	-27.97	Pass
5	0.4396	10.84	0.61	19.81	30.65	20.42	57.07	47.07	-26.42	-26.65	Pass
6*	18.7481	16.52	9.20	20.99	37.51	30.19	60.00	50.00	-22.49	-19.81	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

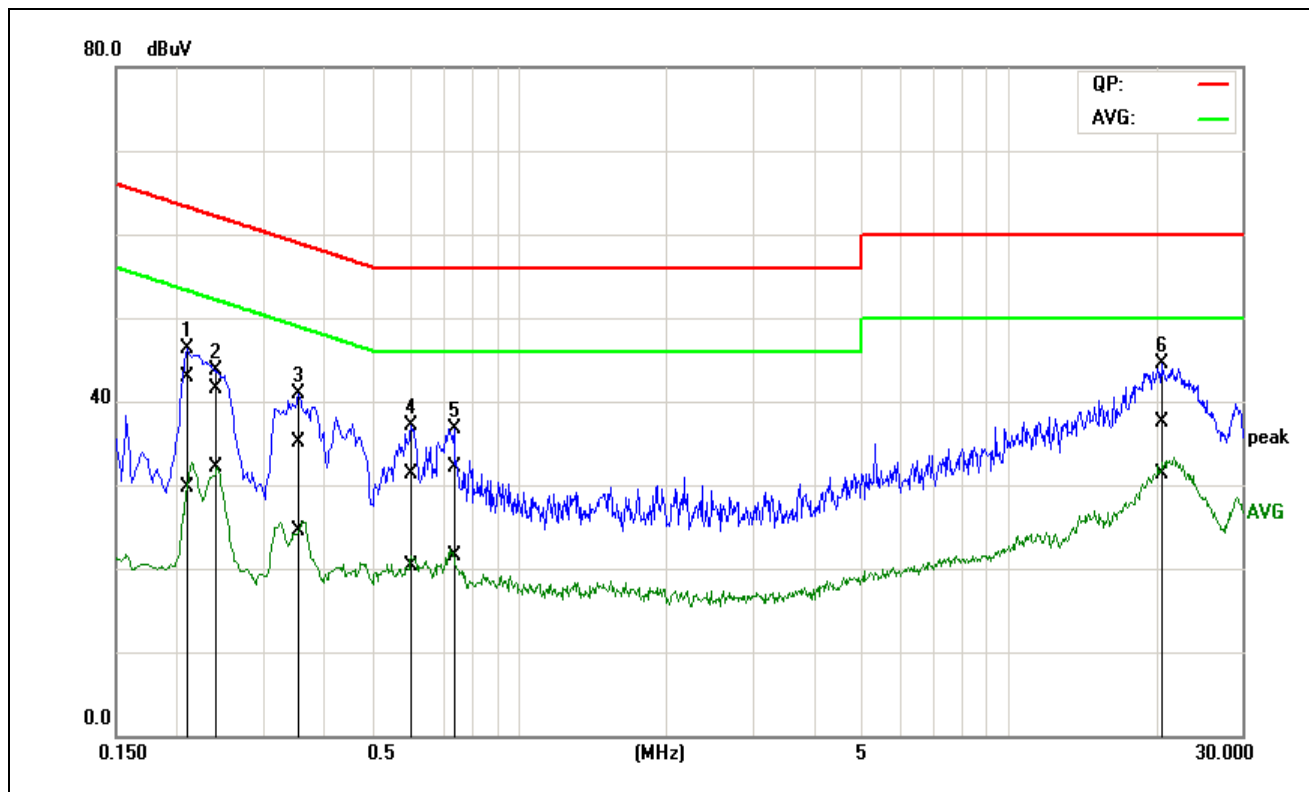
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:12:03
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 22



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.2172	23.29	11.35	19.61	42.90	30.96	62.93	52.93	-20.03	-21.97	Pass
2	0.2431	21.93	12.23	19.63	41.56	31.86	61.99	51.99	-20.43	-20.13	Pass
3	0.3782	14.35	1.79	19.74	34.09	21.53	58.32	48.32	-24.23	-26.79	Pass
4	0.6043	13.21	1.70	19.83	33.04	21.53	56.00	46.00	-22.96	-24.47	Pass
5	0.7287	14.45	2.54	19.83	34.28	22.37	56.00	46.00	-21.72	-23.63	Pass
6	21.6431	13.97	8.03	21.15	35.12	29.18	60.00	50.00	-24.88	-20.82	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

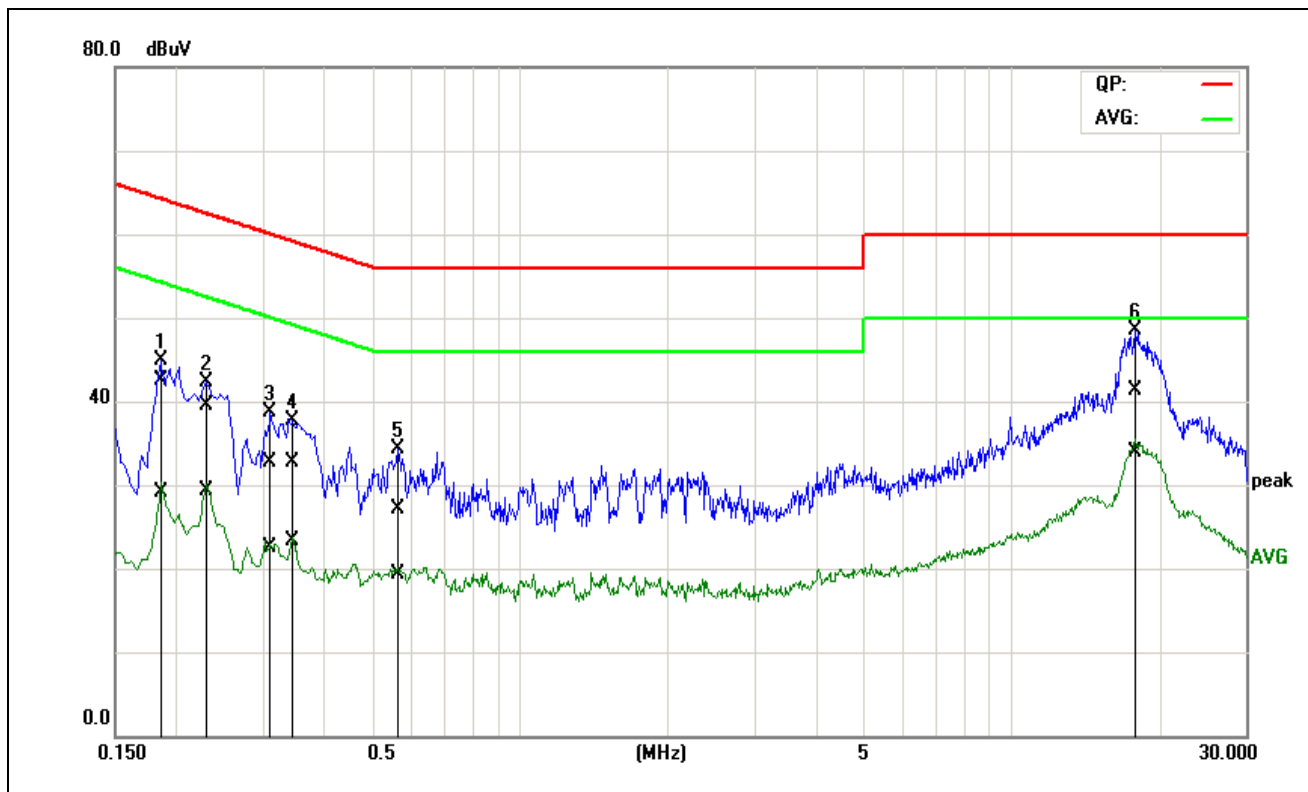
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:16:51
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 22



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2100	23.25	10.00	19.65	42.90	29.65	63.21	53.21	-20.31	-23.56	Pass
2	0.2415	21.84	12.41	19.67	41.51	32.08	62.04	52.04	-20.53	-19.96	Pass
3	0.3538	15.41	4.67	19.75	35.16	24.42	58.87	48.87	-23.71	-24.45	Pass
4	0.5949	11.54	0.48	19.84	31.38	20.32	56.00	46.00	-24.62	-25.68	Pass
5	0.7300	12.23	1.74	19.84	32.07	21.58	56.00	46.00	-23.93	-24.42	Pass
6*	20.5717	16.40	10.15	21.10	37.50	31.25	60.00	50.00	-22.50	-18.75	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

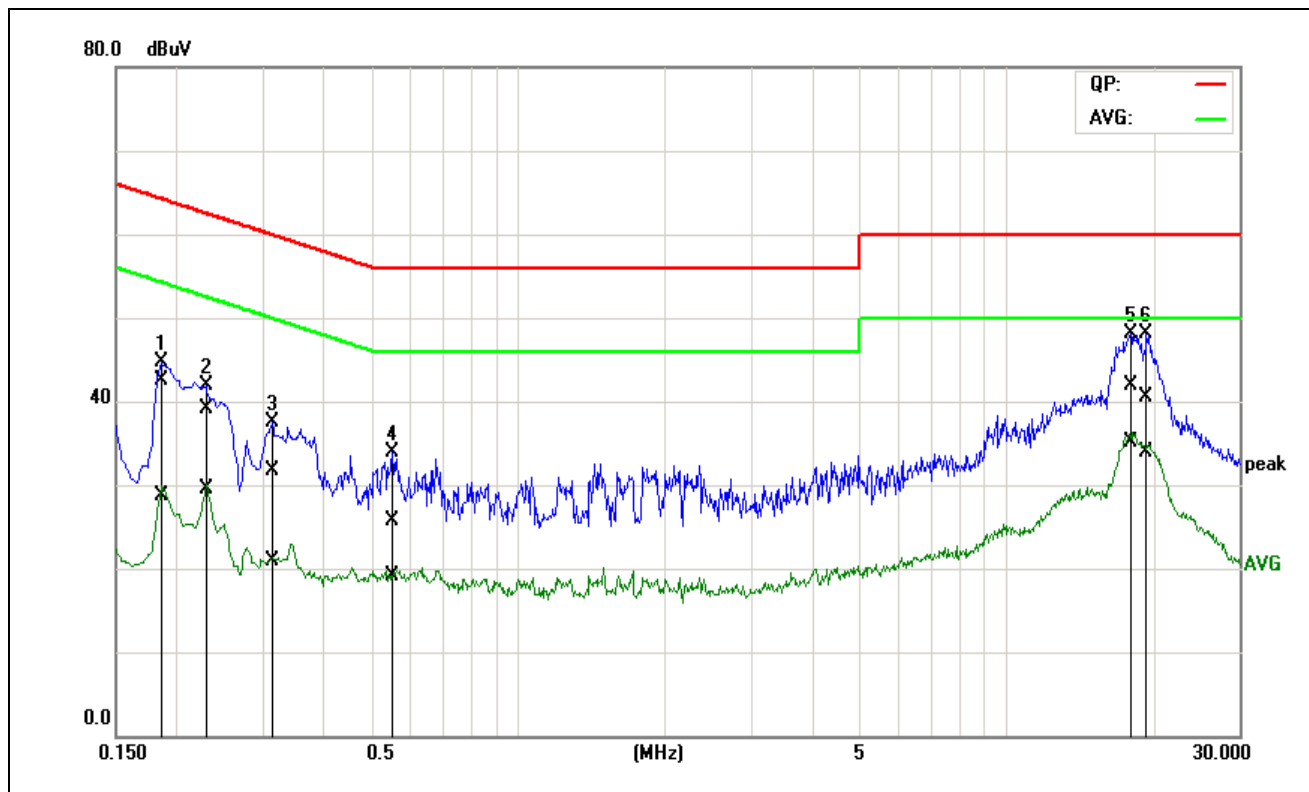
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 06:40:34
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 23



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1852	22.93	9.38	19.66	42.59	29.04	64.25	54.25	-21.66	-25.21	Pass
2	0.2277	19.90	9.73	19.62	39.52	29.35	62.53	52.53	-23.01	-23.18	Pass
3	0.3091	13.06	2.75	19.68	32.74	22.43	59.99	49.99	-27.25	-27.56	Pass
4	0.3430	12.91	3.57	19.71	32.62	23.28	59.13	49.13	-26.51	-25.85	Pass
5	0.5631	7.22	-0.44	19.83	27.05	19.39	56.00	46.00	-28.95	-26.61	Pass
6*	17.9956	20.34	12.91	21.01	41.35	33.92	60.00	50.00	-18.65	-16.08	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

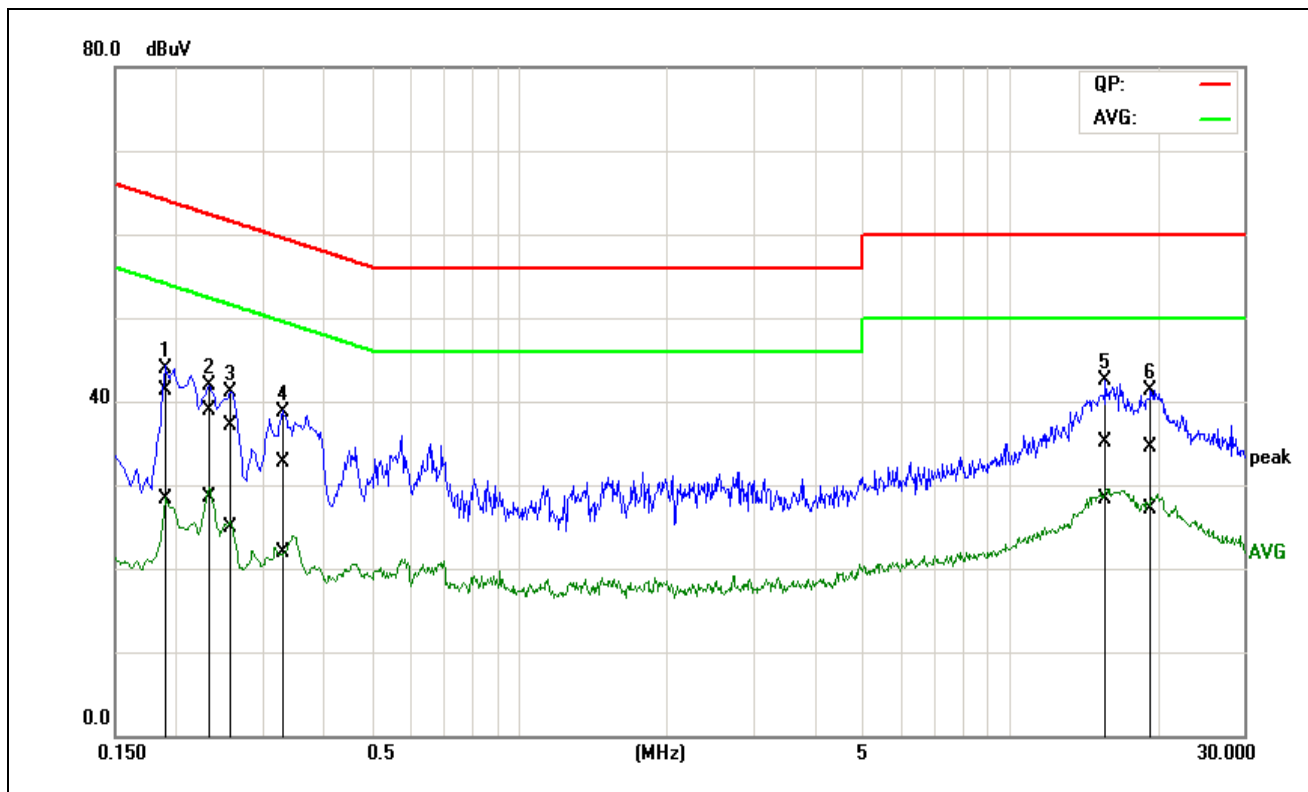
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 06:45:38
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 23



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1852	22.82	9.09	19.67	42.49	28.76	64.25	54.25	-21.76	-25.49	Pass
2	0.2294	19.51	9.80	19.66	39.17	29.46	62.47	52.47	-23.30	-23.01	Pass
3	0.3132	11.97	1.24	19.72	31.69	20.96	59.89	49.89	-28.20	-28.93	Pass
4	0.5523	5.84	-0.69	19.85	25.69	19.16	56.00	46.00	-30.31	-26.84	Pass
5*	17.9545	21.02	14.18	20.92	41.94	35.10	60.00	50.00	-18.06	-14.90	Pass
6	19.3245	19.47	12.93	21.03	40.50	33.96	60.00	50.00	-19.50	-16.04	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:24:57
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 24

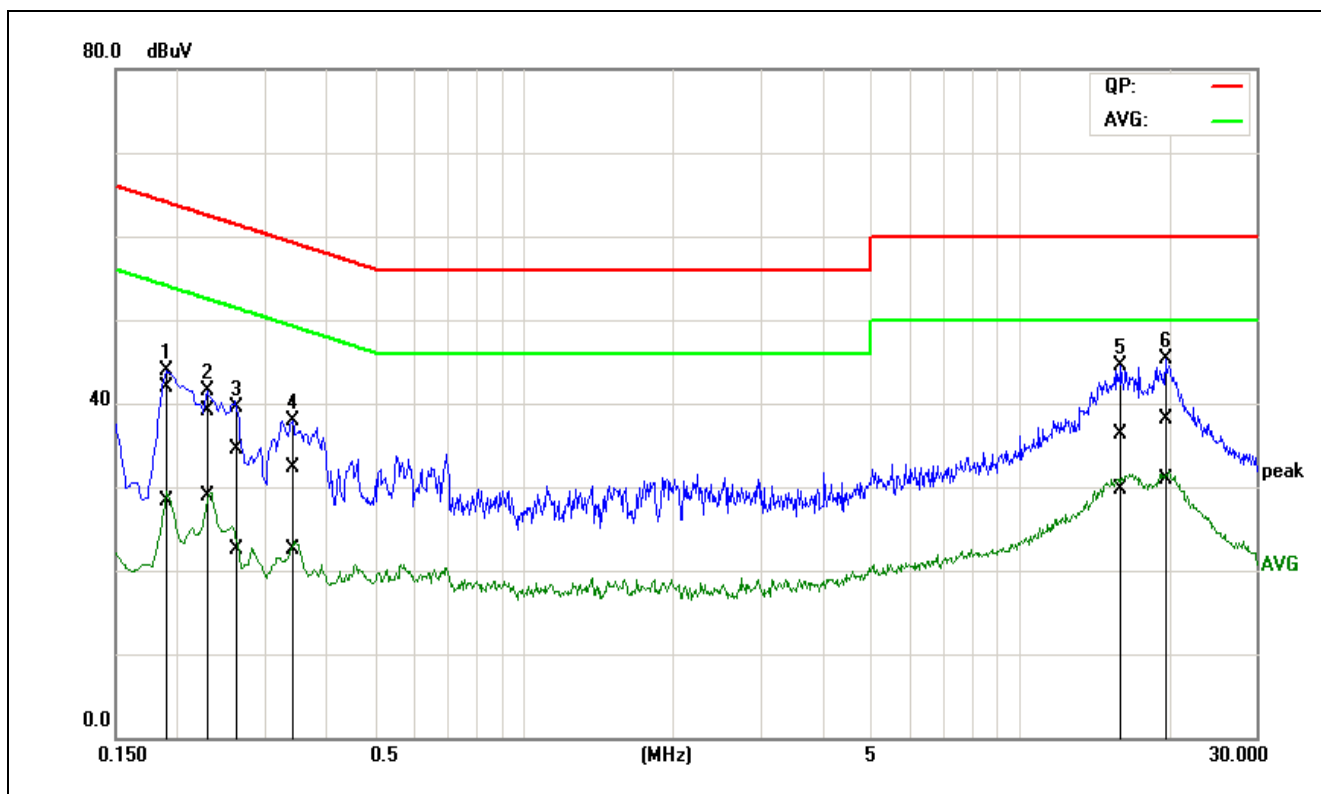


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1918	21.75	8.71	19.63	41.38	28.34	63.96	53.96	-22.58	-25.62	Pass
2	0.2303	19.20	8.94	19.62	38.82	28.56	62.44	52.44	-23.62	-23.88	Pass
3	0.2593	17.42	5.20	19.65	37.07	24.85	61.45	51.45	-24.38	-26.60	Pass
4	0.3324	12.94	2.25	19.70	32.64	21.95	59.39	49.39	-26.75	-27.44	Pass
5*	15.6103	14.15	7.51	20.88	35.03	28.39	60.00	50.00	-24.97	-21.61	Pass
6	19.4150	13.31	5.93	21.10	34.41	27.03	60.00	50.00	-25.59	-22.97	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



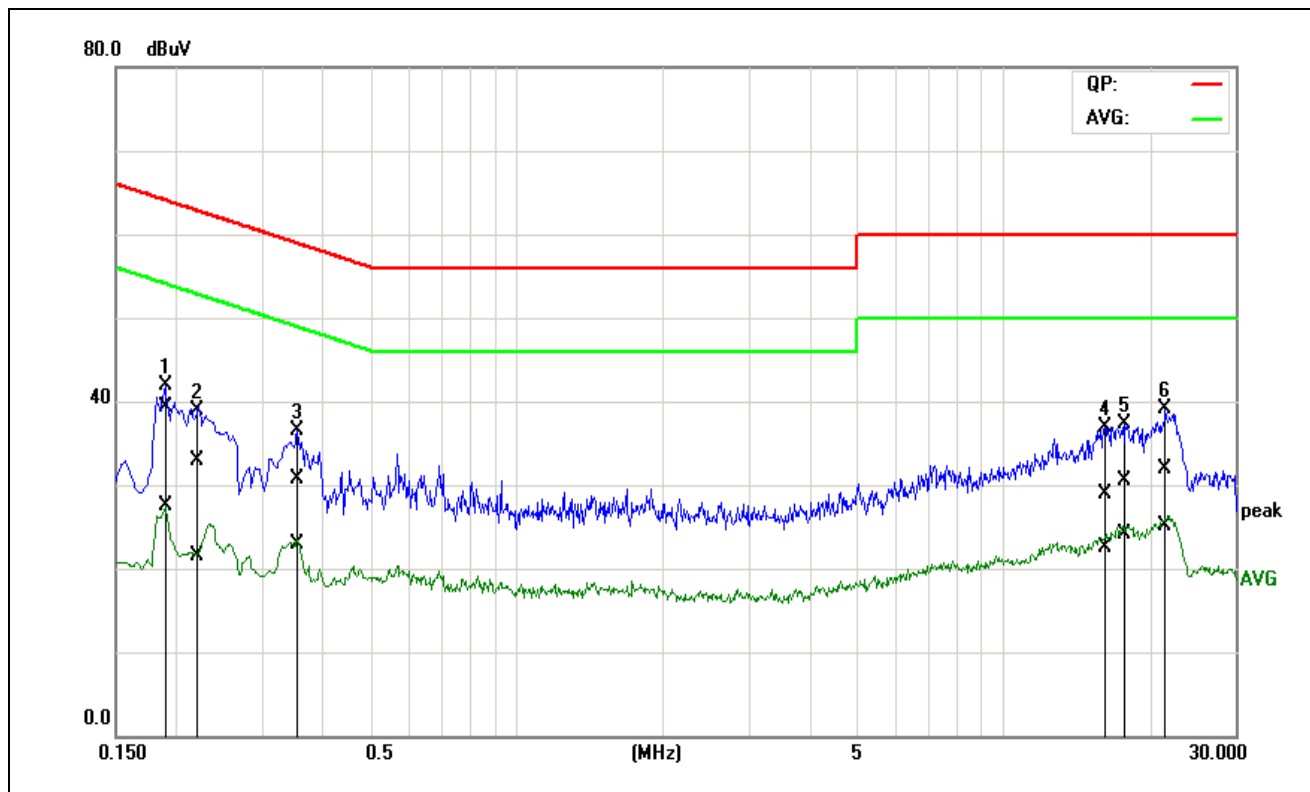
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:29:54
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 24



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1889	22.26	8.74	19.66	41.92	28.40	64.08	54.08	-22.16	-25.68	Pass
2	0.2310	19.44	9.20	19.66	39.10	28.86	62.41	52.41	-23.31	-23.55	Pass
3	0.2650	14.78	2.77	19.69	34.47	22.46	61.27	51.27	-26.80	-28.81	Pass
4	0.3408	12.57	2.79	19.74	32.31	22.53	59.18	49.18	-26.87	-26.65	Pass
5	15.9758	15.61	8.94	20.76	36.37	29.70	60.00	50.00	-23.63	-20.30	Pass
6*	19.6491	17.00	9.77	21.06	38.06	30.83	60.00	50.00	-21.94	-19.17	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

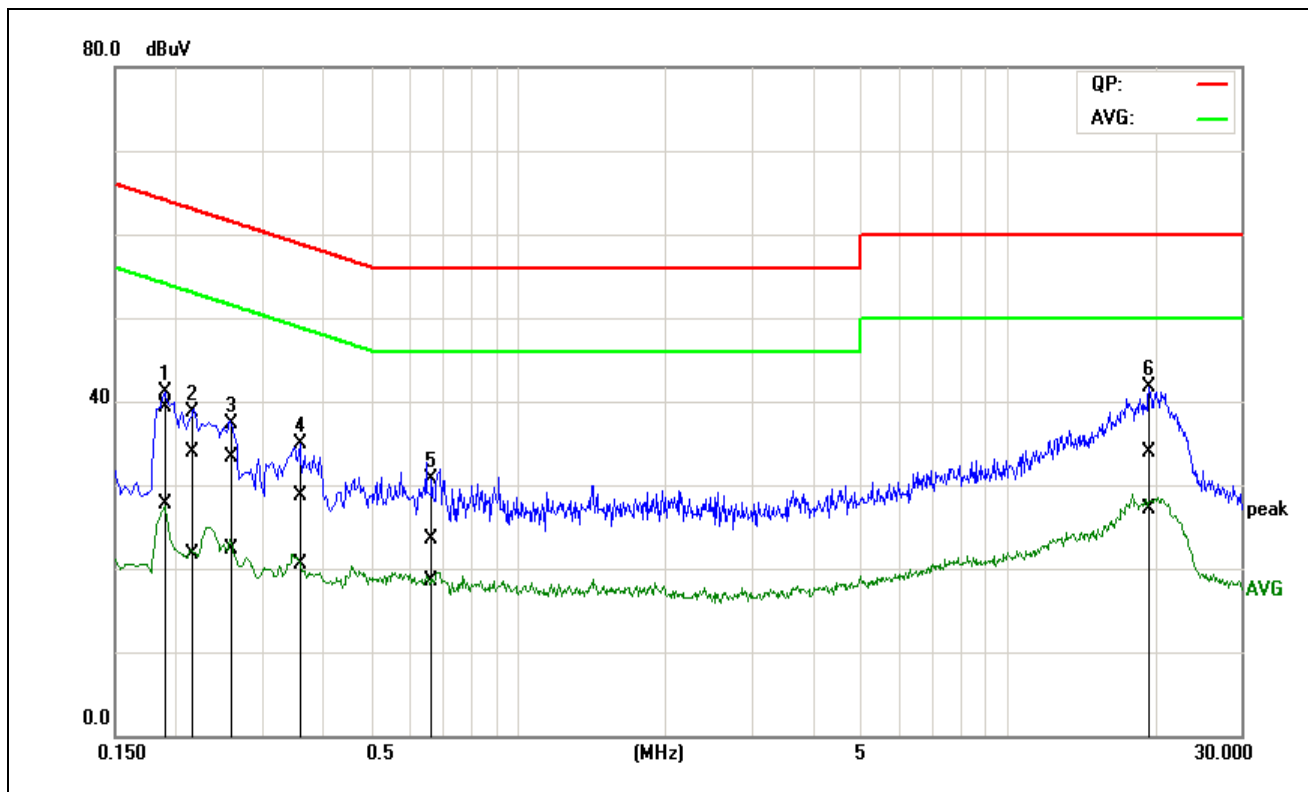
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 02:27:13
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 25



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1861	19.64	7.83	19.66	39.30	27.49	64.21	54.21	-24.91	-26.72	Pass
2	0.2183	13.21	1.90	19.61	32.82	21.51	62.88	52.88	-30.06	-31.37	Pass
3	0.3526	11.04	3.12	19.72	30.76	22.84	58.90	48.90	-28.14	-26.06	Pass
4	16.1356	8.04	1.69	20.91	28.95	22.60	60.00	50.00	-31.05	-27.40	Pass
5	17.7442	9.45	3.06	21.00	30.45	24.06	60.00	50.00	-29.55	-25.94	Pass
6*	21.4800	10.73	3.96	21.15	31.88	25.11	60.00	50.00	-28.12	-24.89	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

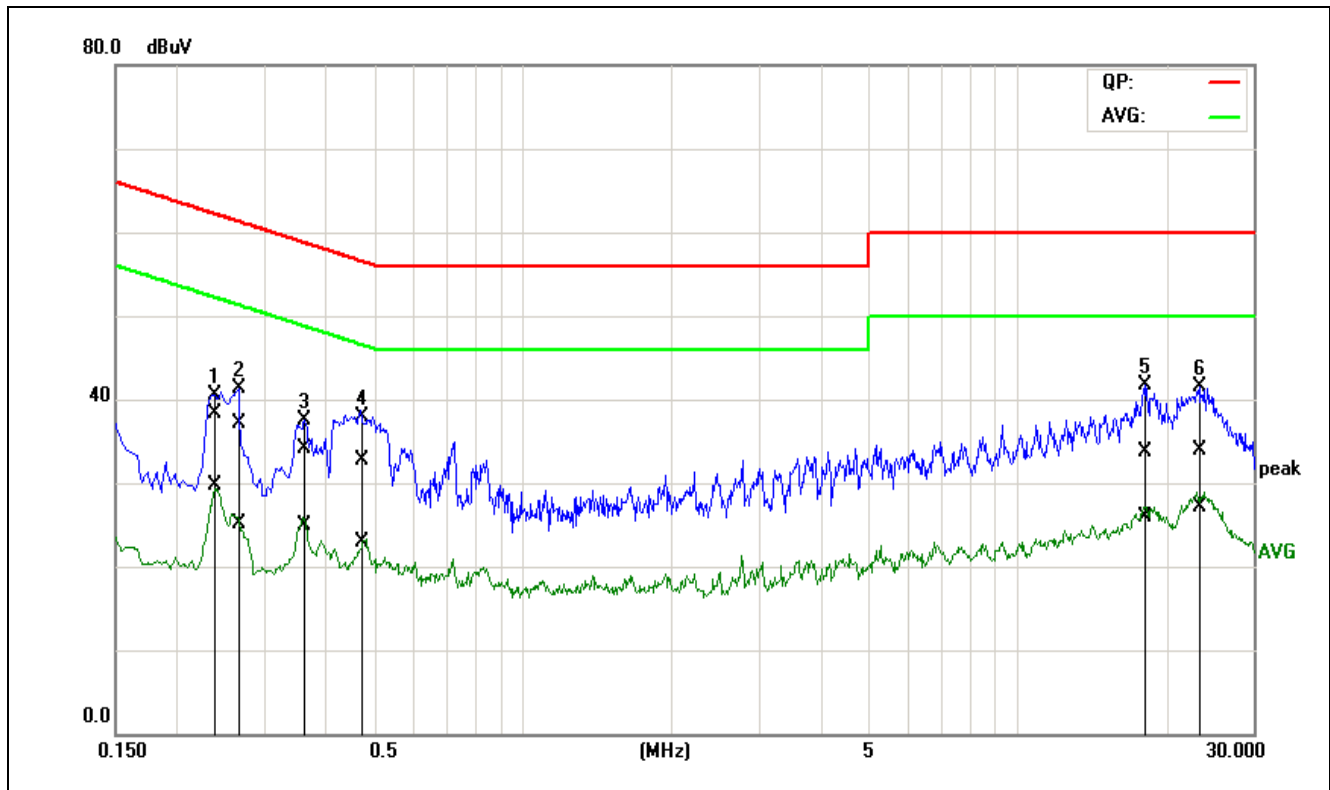
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 02:37:56
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 25



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1873	19.73	8.04	19.66	39.39	27.70	64.16	54.16	-24.77	-26.46	Pass
2	0.2135	14.19	2.02	19.65	33.84	21.67	63.07	53.07	-29.23	-31.40	Pass
3	0.2610	13.68	2.71	19.68	33.36	22.39	61.40	51.40	-28.04	-29.01	Pass
4	0.3559	8.87	0.82	19.75	28.62	20.57	58.82	48.82	-30.20	-28.25	Pass
5	0.6570	3.57	-1.38	19.84	23.41	18.46	56.00	46.00	-32.59	-27.54	Pass
6*	19.5718	12.79	6.06	21.05	33.84	27.11	60.00	50.00	-26.16	-22.89	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

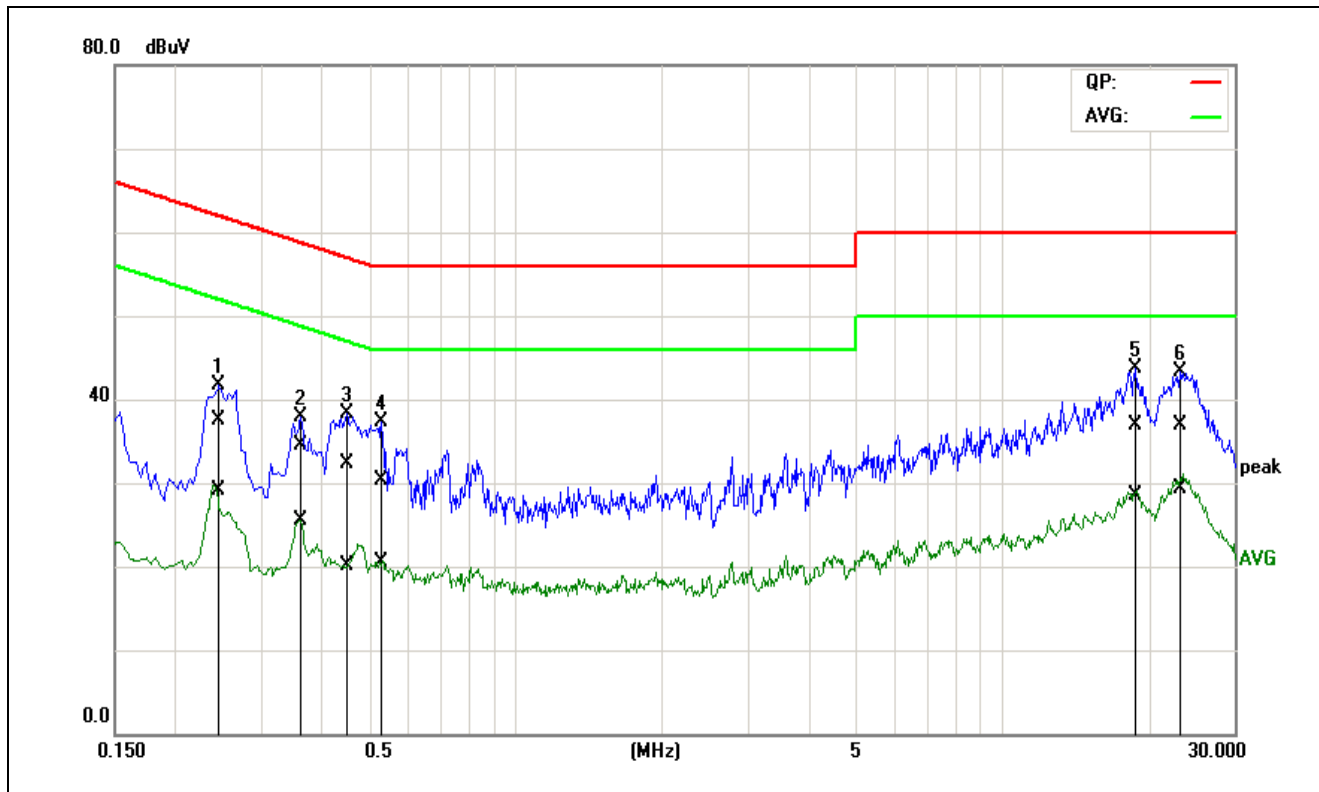
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:59:28
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 26



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.2376	18.62	10.13	19.63	38.25	29.76	62.18	52.18	-23.93	-22.42	Pass
2	0.2648	17.44	5.38	19.65	37.09	25.03	61.28	51.28	-24.19	-26.25	Pass
3	0.3641	14.46	5.16	19.73	34.19	24.89	58.63	48.63	-24.44	-23.74	Pass
4	0.4748	12.93	3.09	19.81	32.74	22.90	56.43	46.43	-23.69	-23.53	Pass
5	18.2462	12.72	4.88	21.03	33.75	25.91	60.00	50.00	-26.25	-24.09	Pass
6	23.3722	12.72	5.94	21.18	33.90	27.12	60.00	50.00	-26.10	-22.88	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

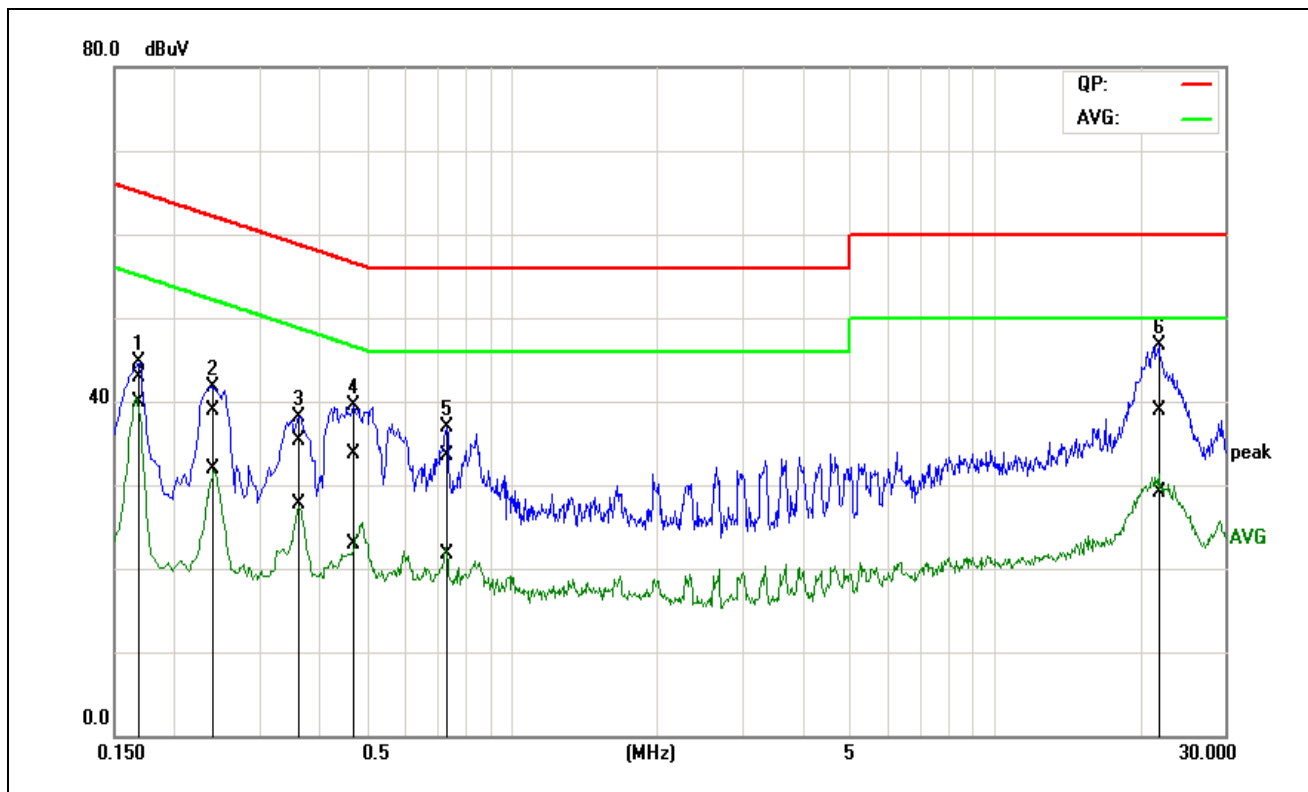
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:04:34
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A12	Description:	Mode 26



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2429	17.93	9.41	19.67	37.60	29.08	62.00	52.00	-24.40	-22.92	Pass
2	0.3625	14.70	5.76	19.75	34.45	25.51	58.67	48.67	-24.22	-23.16	Pass
3	0.4502	12.50	0.34	19.82	32.32	20.16	56.87	46.87	-24.55	-26.71	Pass
4	0.5235	10.52	0.62	19.85	30.37	20.47	56.00	46.00	-25.63	-25.53	Pass
5	18.8052	15.83	7.58	20.99	36.82	28.57	60.00	50.00	-23.18	-21.43	Pass
6*	23.1886	15.73	8.21	21.16	36.89	29.37	60.00	50.00	-23.11	-20.63	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

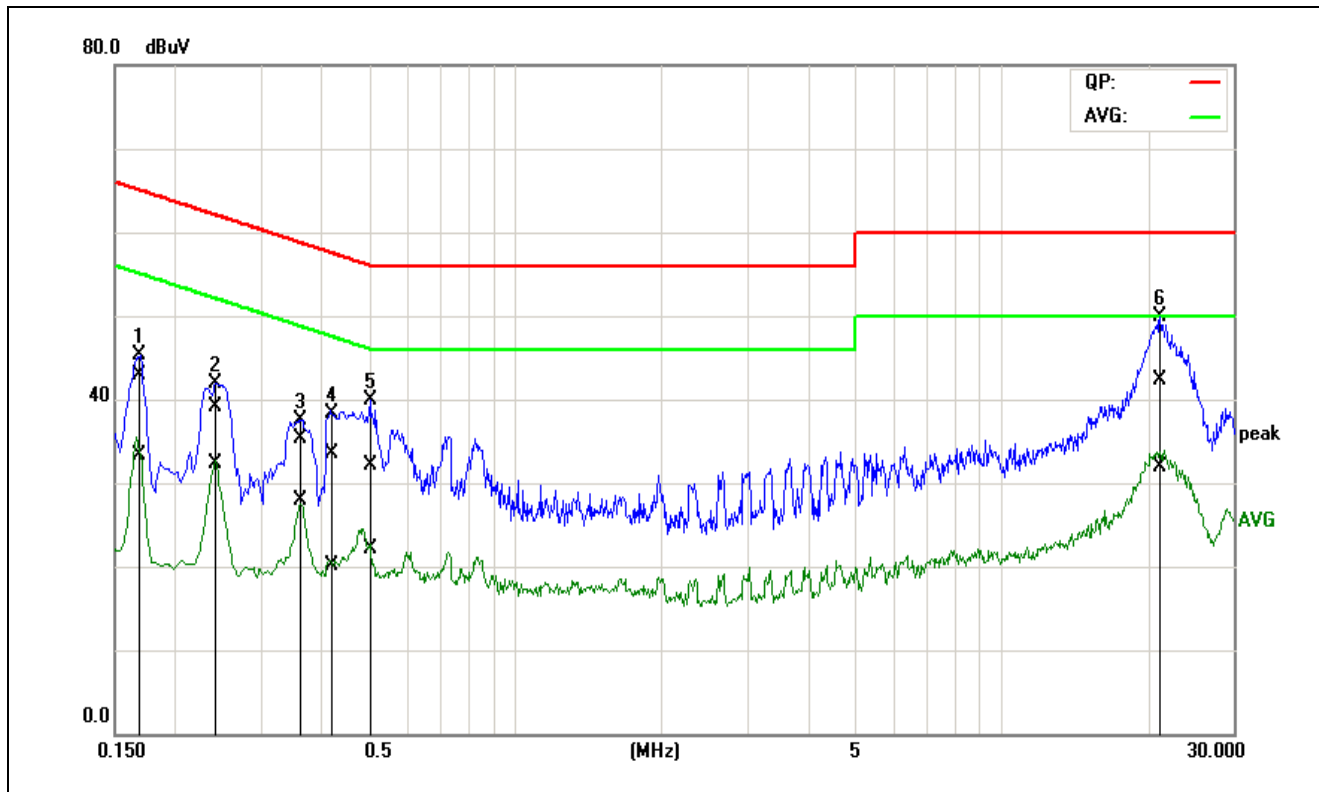
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:43:26
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 27



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1678	23.16	20.17	19.74	42.90	39.91	65.07	55.07	-22.17	-15.16	Pass
2	0.2416	19.18	12.23	19.63	38.81	31.86	62.04	52.04	-23.23	-20.18	Pass
3	0.3617	15.58	7.96	19.72	35.30	27.68	58.69	48.69	-23.39	-21.01	Pass
4	0.4709	13.83	3.15	19.81	33.64	22.96	56.50	46.50	-22.86	-23.54	Pass
5	0.7347	13.68	1.85	19.83	33.51	21.68	56.00	46.00	-22.49	-24.32	Pass
6	21.8955	17.71	8.04	21.16	38.87	29.20	60.00	50.00	-21.13	-20.80	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

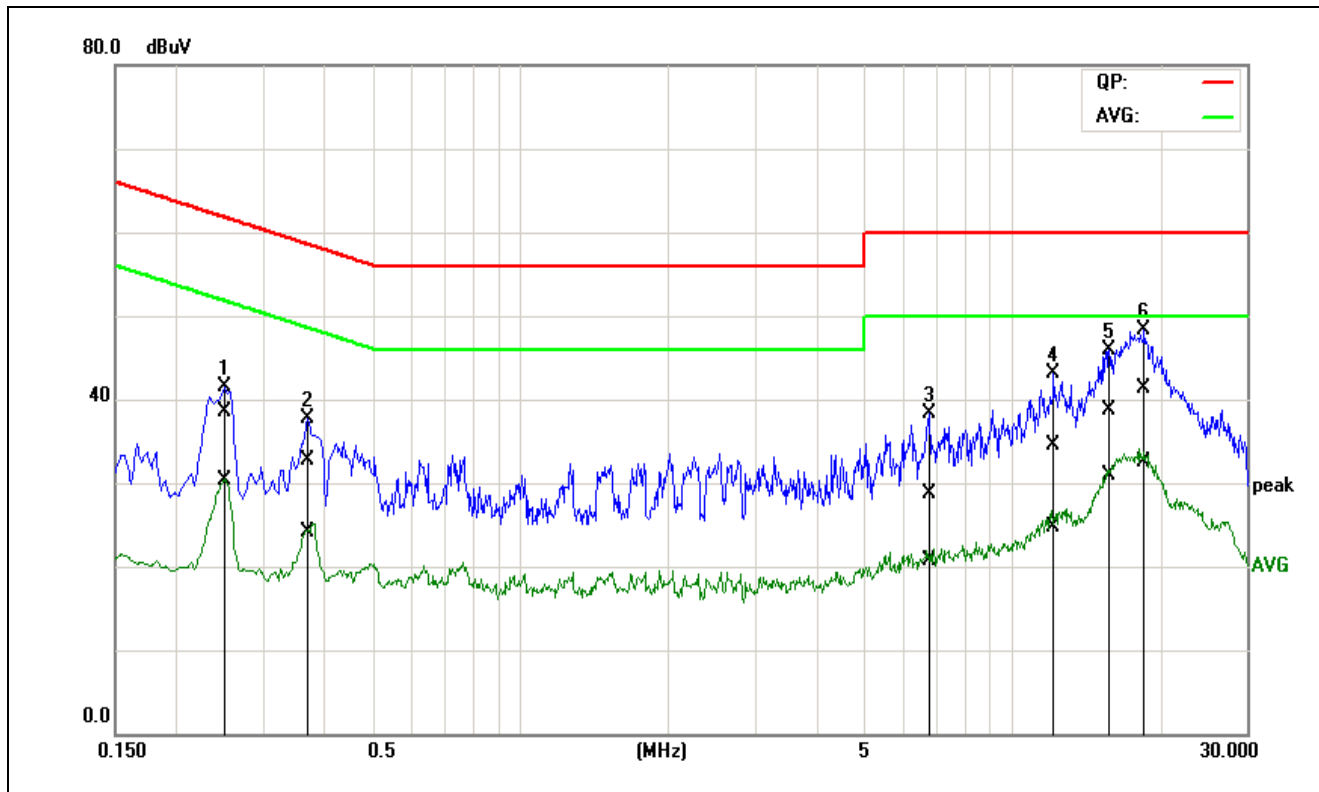
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:48:17
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A15	Description:	Mode 27



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1692	23.21	13.63	19.70	42.91	33.33	65.00	55.00	-22.09	-21.67	Pass
2	0.2410	19.39	12.60	19.67	39.06	32.27	62.06	52.06	-23.00	-19.79	Pass
3	0.3623	15.61	8.07	19.75	35.36	27.82	58.68	48.68	-23.32	-20.86	Pass
4	0.4223	13.75	0.27	19.80	33.55	20.07	57.40	47.40	-23.85	-27.33	Pass
5	0.5026	12.31	2.32	19.85	32.16	22.17	56.00	46.00	-23.84	-23.83	Pass
6*	21.1855	21.26	10.87	21.12	42.38	31.99	60.00	50.00	-17.62	-18.01	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:12:14
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 28

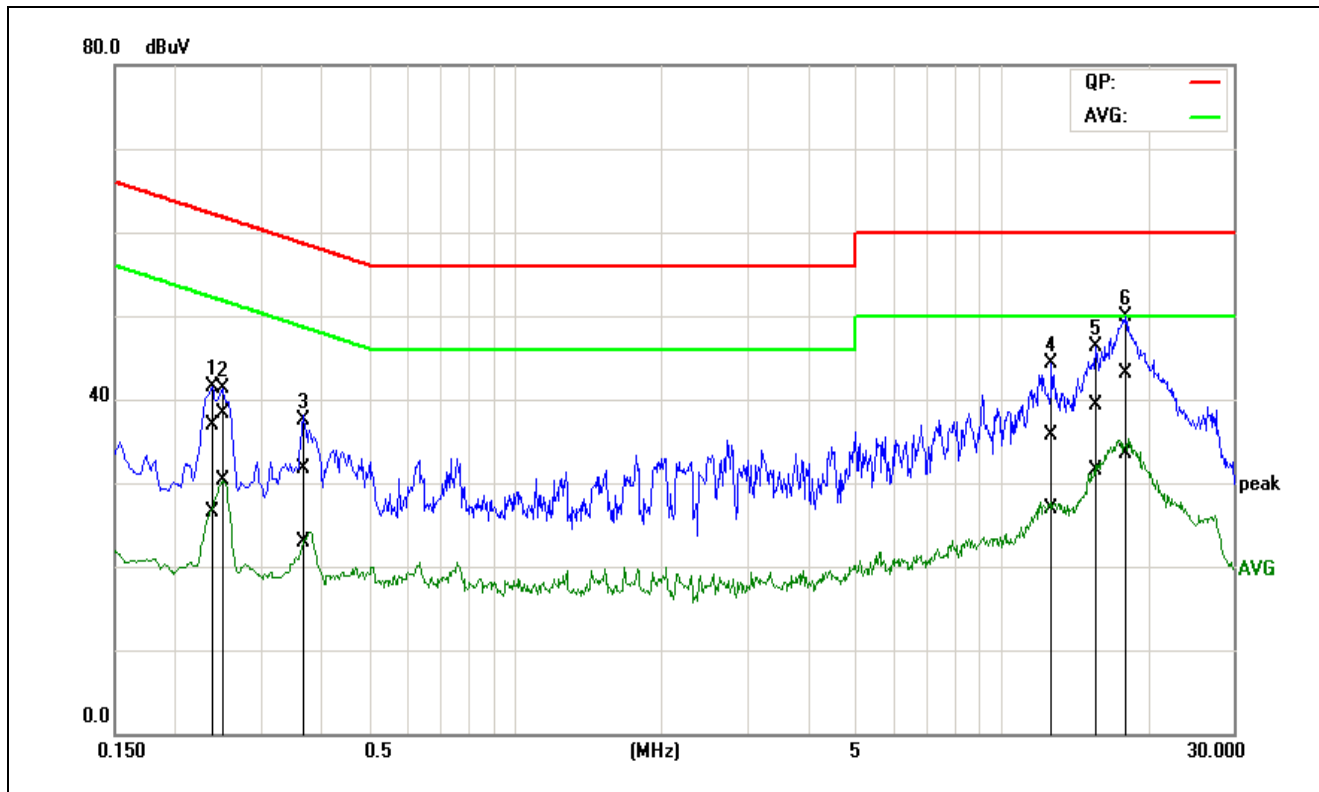


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2499	18.86	10.76	19.64	38.50	30.40	61.76	51.76	-23.26	-21.36	Pass
2	0.3667	12.94	4.47	19.73	32.67	24.20	58.58	48.58	-25.91	-24.38	Pass
3	6.7821	8.16	0.20	20.47	28.63	20.67	60.00	50.00	-31.37	-29.33	Pass
4	12.1438	13.62	3.92	20.80	34.42	24.72	60.00	50.00	-25.58	-25.28	Pass
5	15.7531	17.83	9.95	20.88	38.71	30.83	60.00	50.00	-21.29	-19.17	Pass
6*	18.5246	20.21	11.41	21.04	41.25	32.45	60.00	50.00	-18.75	-17.55	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



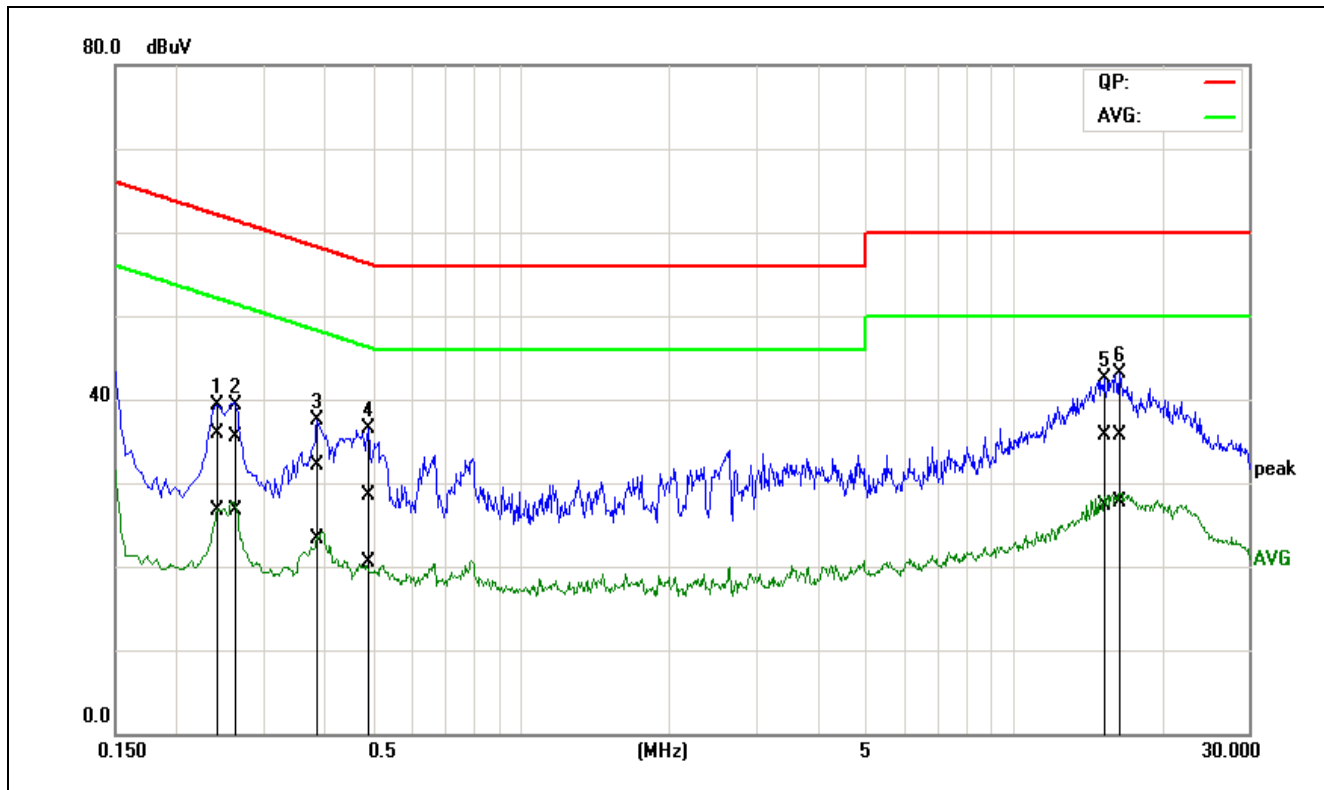
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:17:02
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A20	Description:	Mode 28



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2365	17.26	6.92	19.67	36.93	26.59	62.22	52.22	-25.29	-25.63	Pass
2	0.2513	18.61	10.71	19.68	38.29	30.39	61.71	51.71	-23.42	-21.32	Pass
3	0.3697	11.87	3.20	19.76	31.63	22.96	58.51	48.51	-26.88	-25.55	Pass
4	12.7162	14.99	6.10	20.74	35.73	26.84	60.00	50.00	-24.27	-23.16	Pass
5	15.6181	18.61	10.72	20.73	39.34	31.45	60.00	50.00	-20.66	-18.55	Pass
6*	17.9709	22.09	12.62	20.92	43.01	33.54	60.00	50.00	-16.99	-16.46	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

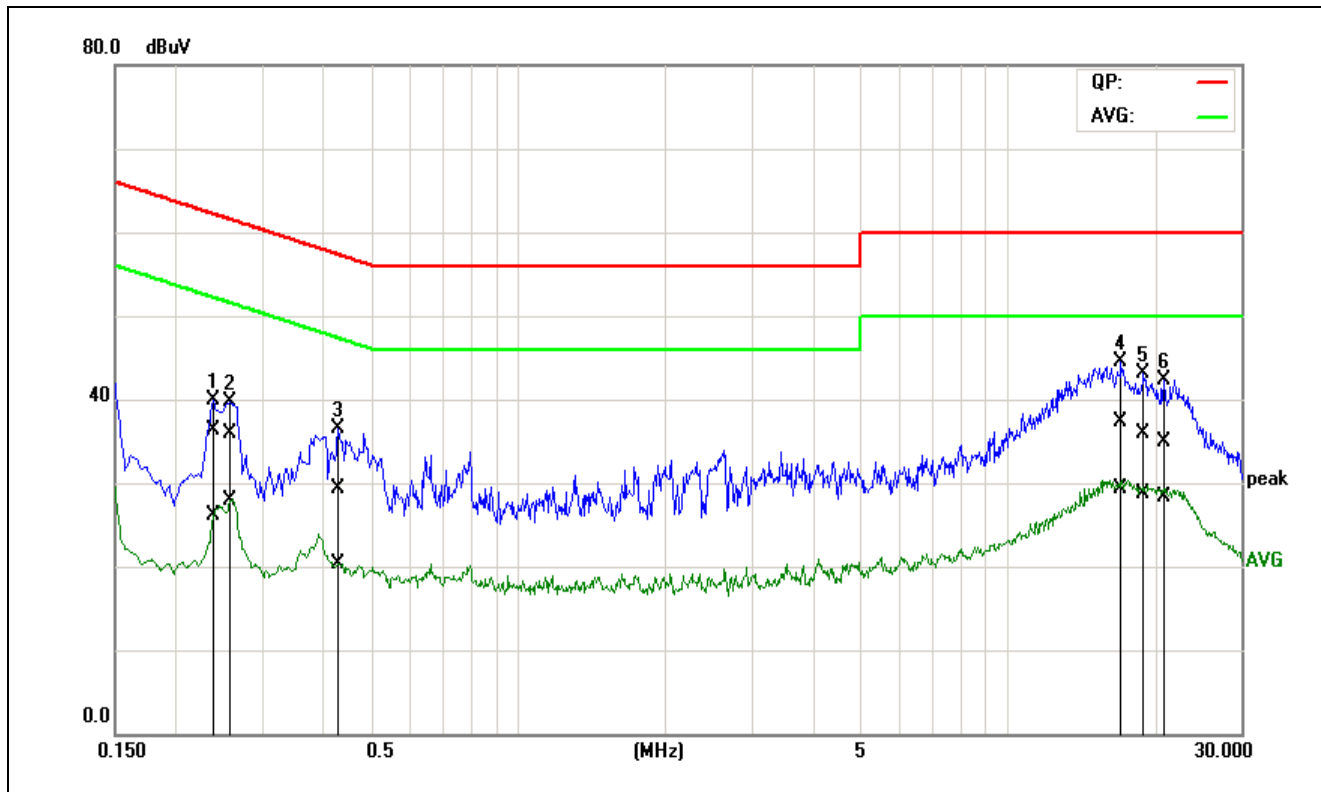
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 08:01:26
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 29



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2420	16.19	7.02	19.63	35.82	26.65	62.03	52.03	-26.21	-25.38	Pass
2	0.2647	15.78	7.01	19.65	35.43	26.66	61.28	51.28	-25.85	-24.62	Pass
3	0.3877	12.30	3.62	19.74	32.04	23.36	58.11	48.11	-26.07	-24.75	Pass
4	0.4882	8.64	0.71	19.82	28.46	20.53	56.20	46.20	-27.74	-25.67	Pass
5	15.2316	14.80	6.36	20.85	35.65	27.21	60.00	50.00	-24.35	-22.79	Pass
6*	16.4660	14.69	6.72	20.93	35.62	27.65	60.00	50.00	-24.38	-22.35	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

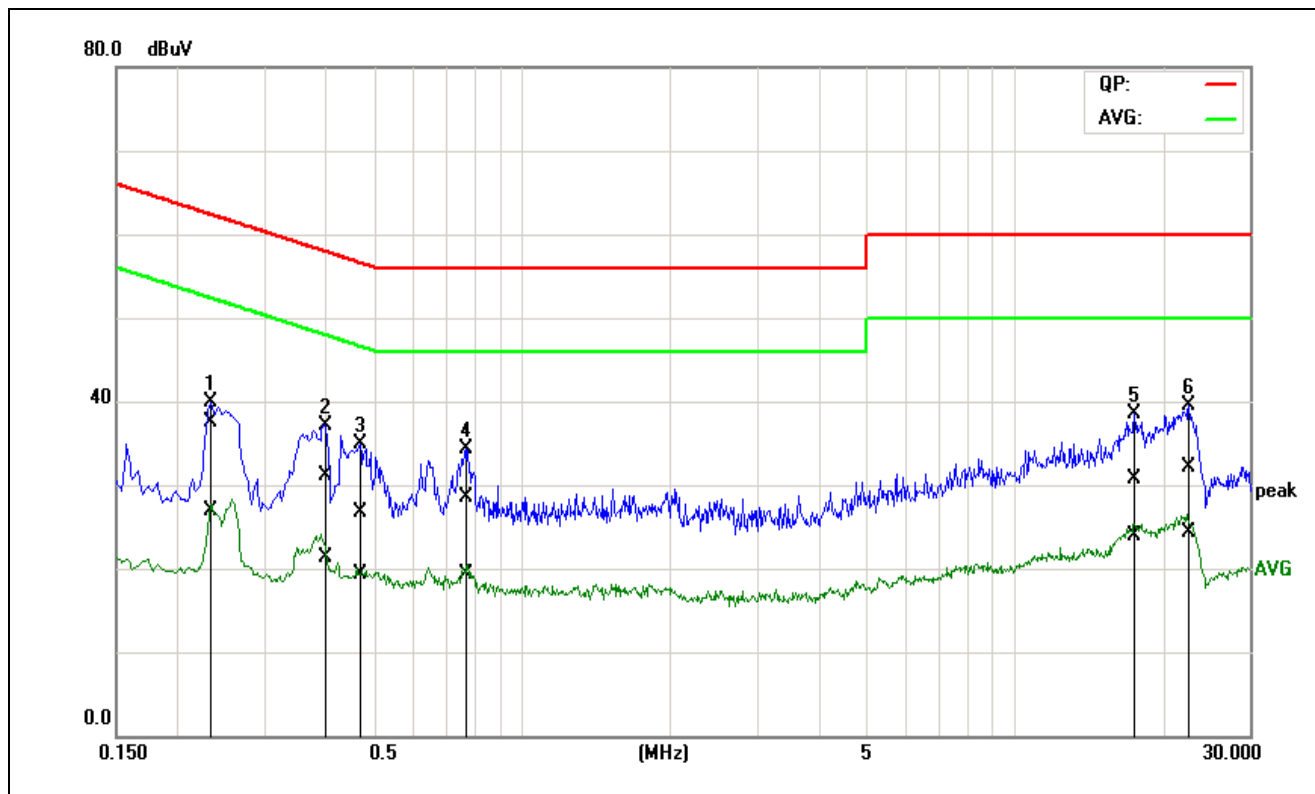
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 08:06:17
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A24	Description:	Mode 29



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2388	16.67	6.40	19.67	36.34	26.07	62.14	52.14	-25.80	-26.07	Pass
2	0.2587	16.21	8.25	19.68	35.89	27.93	61.47	51.47	-25.58	-23.54	Pass
3	0.4324	9.57	0.44	19.80	29.37	20.24	57.21	47.21	-27.84	-26.97	Pass
4*	17.0314	16.41	8.43	20.85	37.26	29.28	60.00	50.00	-22.74	-20.72	Pass
5	18.9485	14.91	7.62	21.00	35.91	28.62	60.00	50.00	-24.09	-21.38	Pass
6	20.8312	13.73	7.10	21.11	34.84	28.21	60.00	50.00	-25.16	-21.79	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

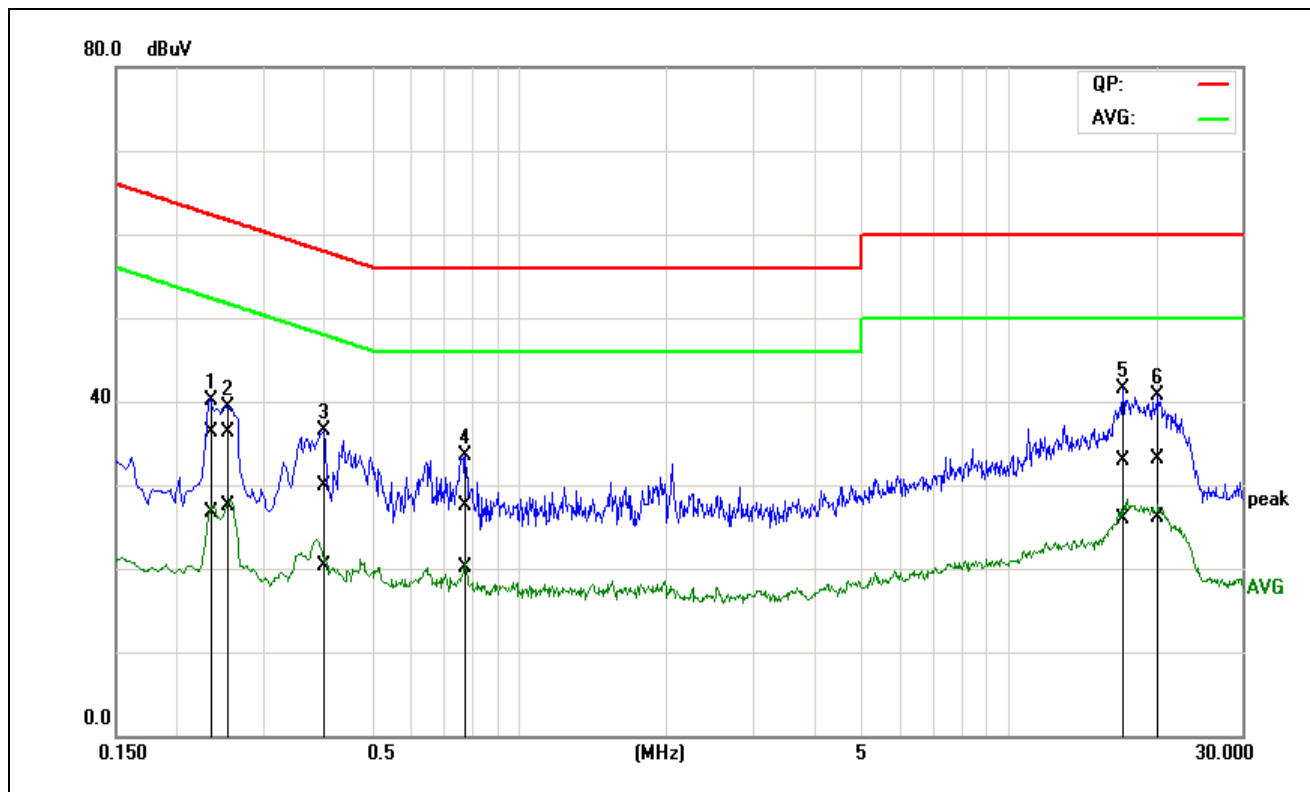
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:53:49
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 30



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.2320	17.84	7.33	19.62	37.46	26.95	62.38	52.38	-24.92	-25.43	Pass
2	0.4002	11.42	1.48	19.75	31.17	21.23	57.85	47.85	-26.68	-26.62	Pass
3	0.4733	6.89	-0.44	19.81	26.70	19.37	56.46	46.46	-29.76	-27.09	Pass
4	0.7618	8.57	-0.53	19.84	28.41	19.31	56.00	46.00	-27.59	-26.69	Pass
5	17.5625	9.73	2.88	20.99	30.72	23.87	60.00	50.00	-29.28	-26.13	Pass
6	22.6406	10.84	3.17	21.17	32.01	24.34	60.00	50.00	-27.99	-25.66	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

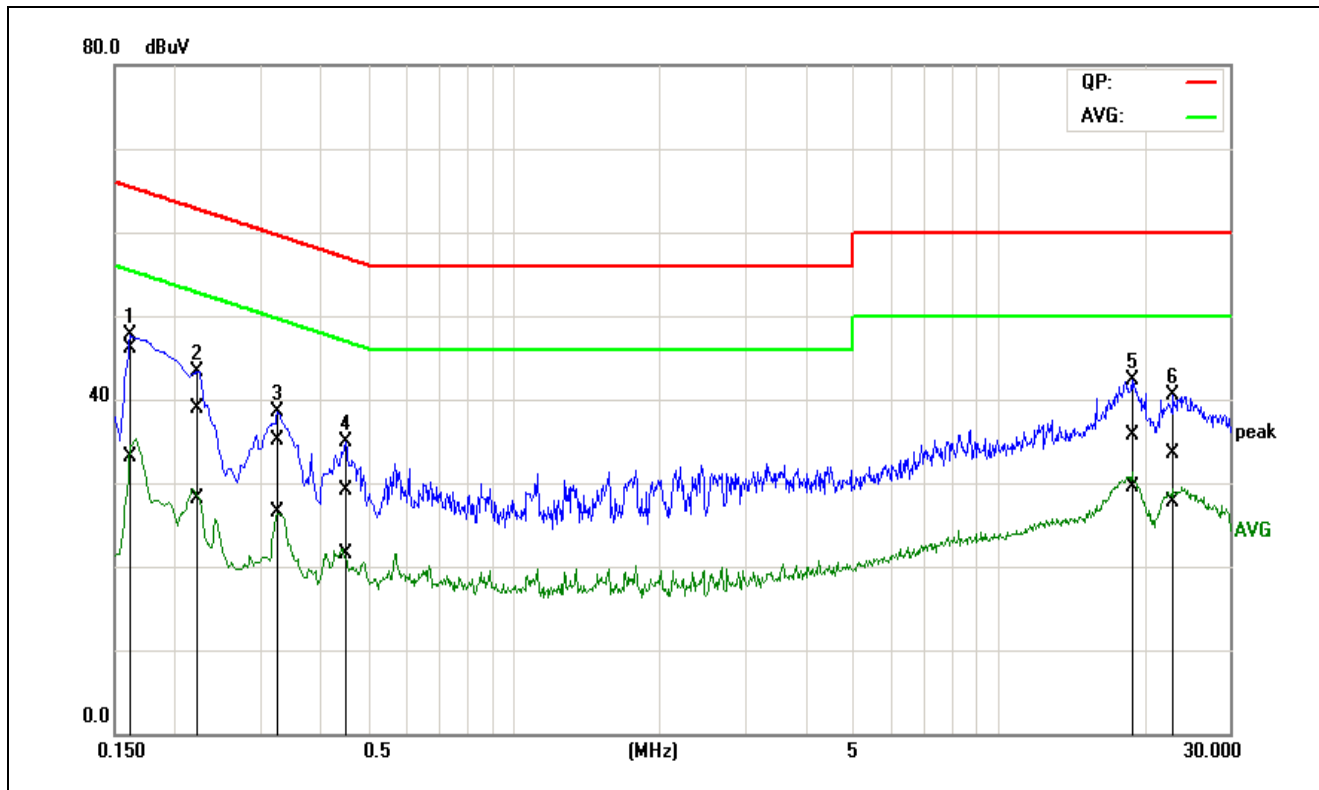
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 01:59:11
Standard:	EN55022 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 230V/50Hz
Model:	GST160A48	Description:	Mode 30



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2353	16.71	7.11	19.66	36.37	26.77	62.26	52.26	-25.89	-25.49	Pass
2	0.2556	16.58	7.83	19.68	36.26	27.51	61.57	51.57	-25.31	-24.06	Pass
3	0.4017	10.12	0.52	19.78	29.90	20.30	57.82	47.82	-27.92	-27.52	Pass
4	0.7762	7.75	0.27	19.83	27.58	20.10	56.00	46.00	-28.42	-25.90	Pass
5	17.1302	12.05	5.03	20.85	32.90	25.88	60.00	50.00	-27.10	-24.12	Pass
6*	20.1527	12.10	5.06	21.09	33.19	26.15	60.00	50.00	-26.81	-23.85	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

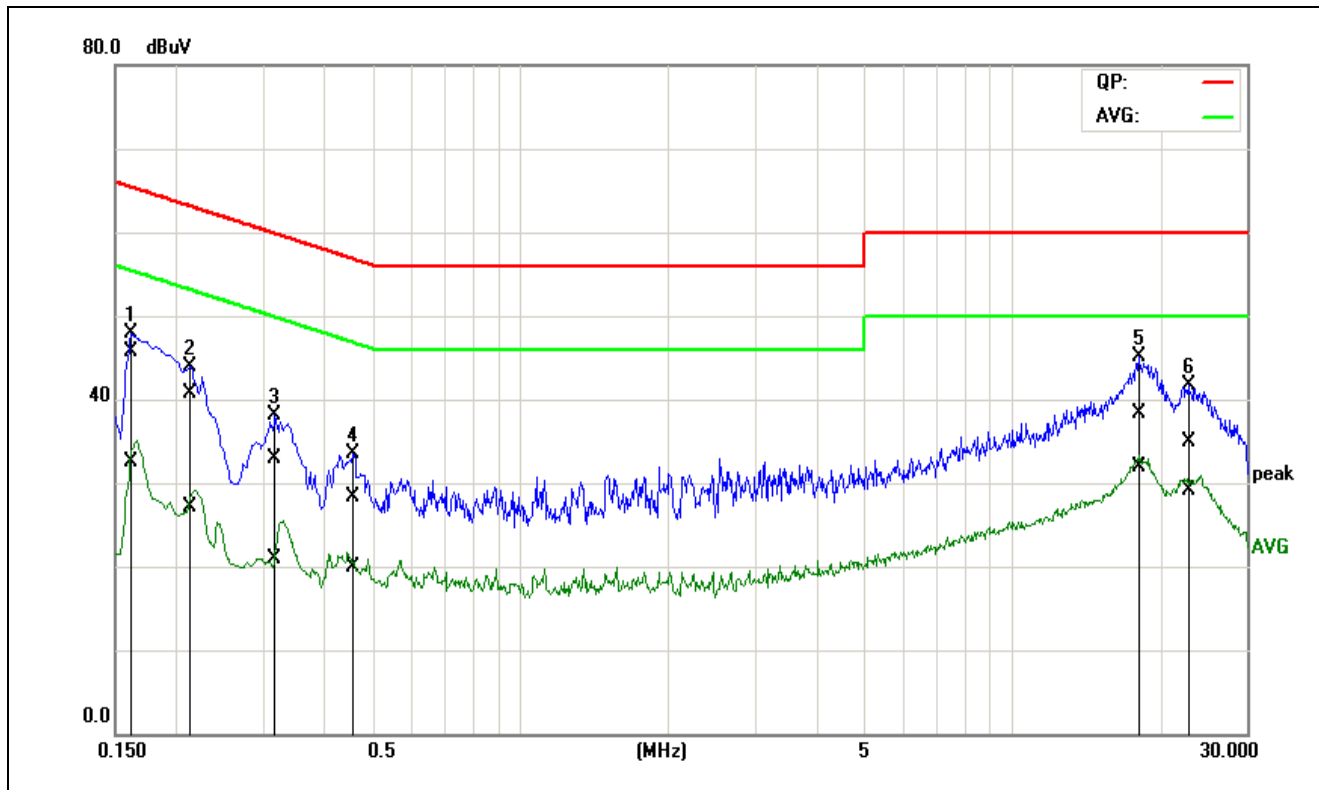
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:37:52
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 31



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1623	26.30	13.32	19.76	46.06	33.08	65.35	55.35	-19.29	-22.27	Pass
2	0.2218	19.34	8.57	19.62	38.96	28.19	62.75	52.75	-23.79	-24.56	Pass
3	0.3266	15.32	6.74	19.70	35.02	26.44	59.54	49.54	-24.52	-23.10	Pass
4	0.4466	9.32	1.76	19.79	29.11	21.55	56.94	46.94	-27.83	-25.39	Pass
5	18.8746	14.67	8.41	21.06	35.73	29.47	60.00	50.00	-24.27	-20.53	Pass
6	22.9305	12.31	6.59	21.17	33.48	27.76	60.00	50.00	-26.52	-22.24	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

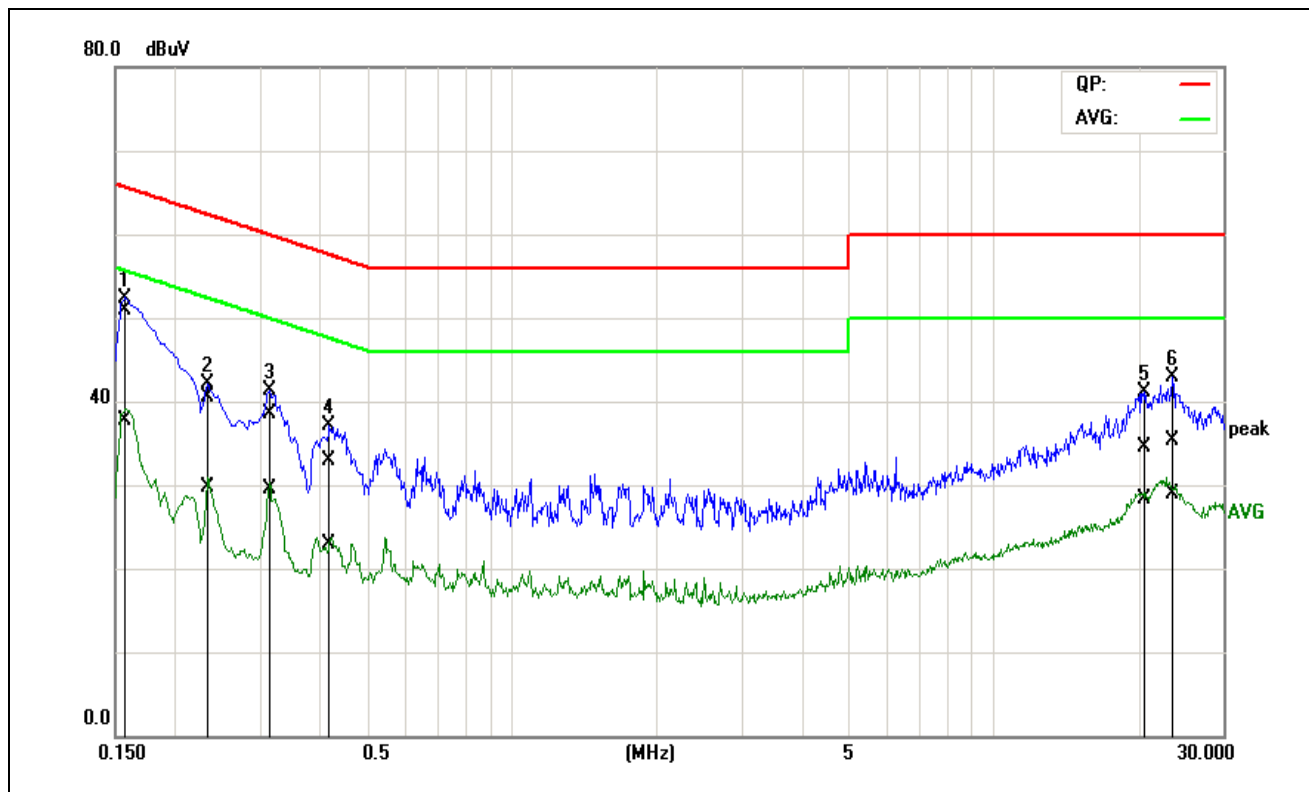
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:42:53
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 31



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1617	26.08	12.70	19.71	45.79	32.41	65.38	55.38	-19.59	-22.97	Pass
2	0.2108	21.01	7.37	19.65	40.66	27.02	63.17	53.17	-22.51	-26.15	Pass
3	0.3168	13.16	1.22	19.72	32.88	20.94	59.79	49.79	-26.91	-28.85	Pass
4	0.4565	8.50	0.14	19.82	28.32	19.96	56.76	46.76	-28.44	-26.80	Pass
5*	18.0547	17.28	10.90	20.93	38.21	31.83	60.00	50.00	-21.79	-18.17	Pass
6	22.9358	13.71	8.04	21.15	34.86	29.19	60.00	50.00	-25.14	-20.81	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:22:08
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 32

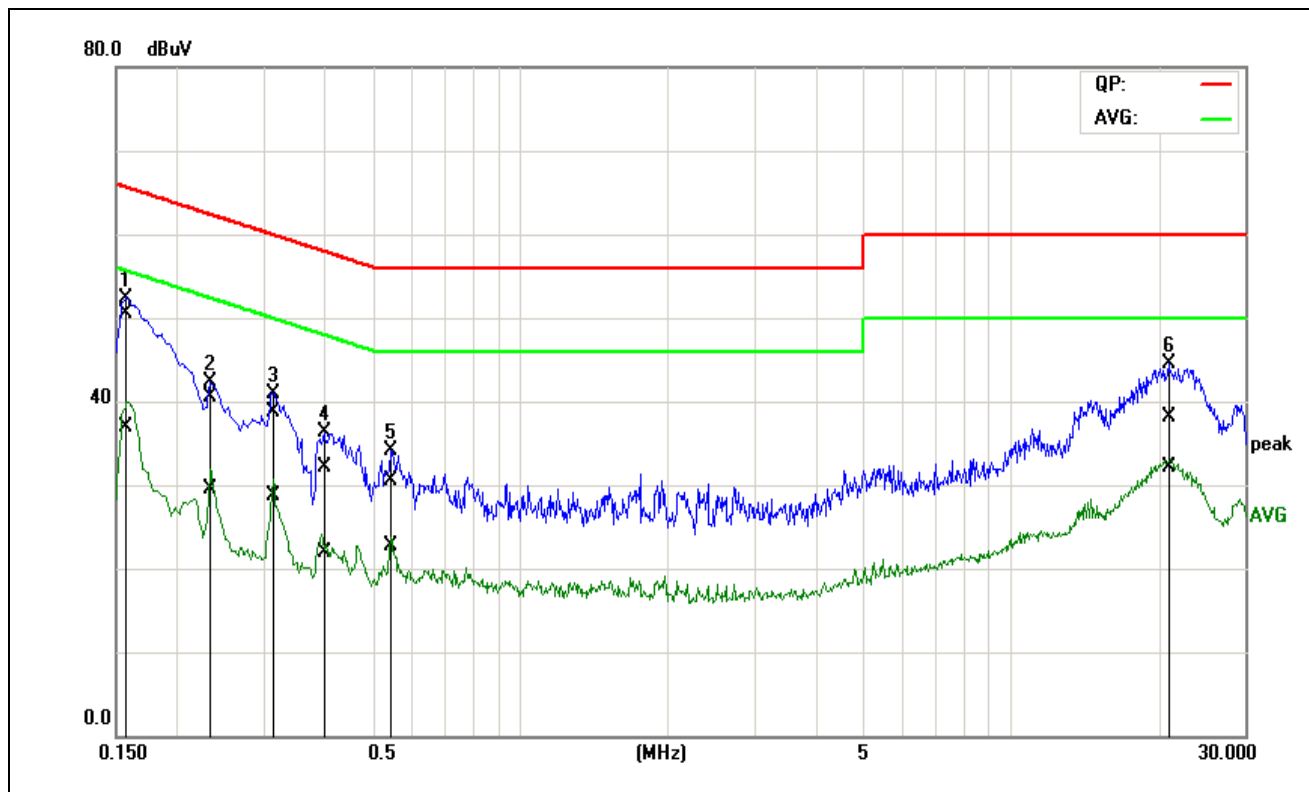


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1548	31.21	17.90	19.79	51.00	37.69	65.74	55.74	-14.74	-18.05	Pass
2	0.2333	20.80	10.04	19.63	40.43	29.67	62.33	52.33	-21.90	-22.66	Pass
3	0.3144	18.80	9.87	19.69	38.49	29.56	59.85	49.85	-21.36	-20.29	Pass
4	0.4176	13.15	3.19	19.77	32.92	22.96	57.50	47.50	-24.58	-24.54	Pass
5	20.6182	13.46	7.12	21.14	34.60	28.26	60.00	50.00	-25.40	-21.74	Pass
6	23.5217	14.04	7.79	21.18	35.22	28.97	60.00	50.00	-24.78	-21.03	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



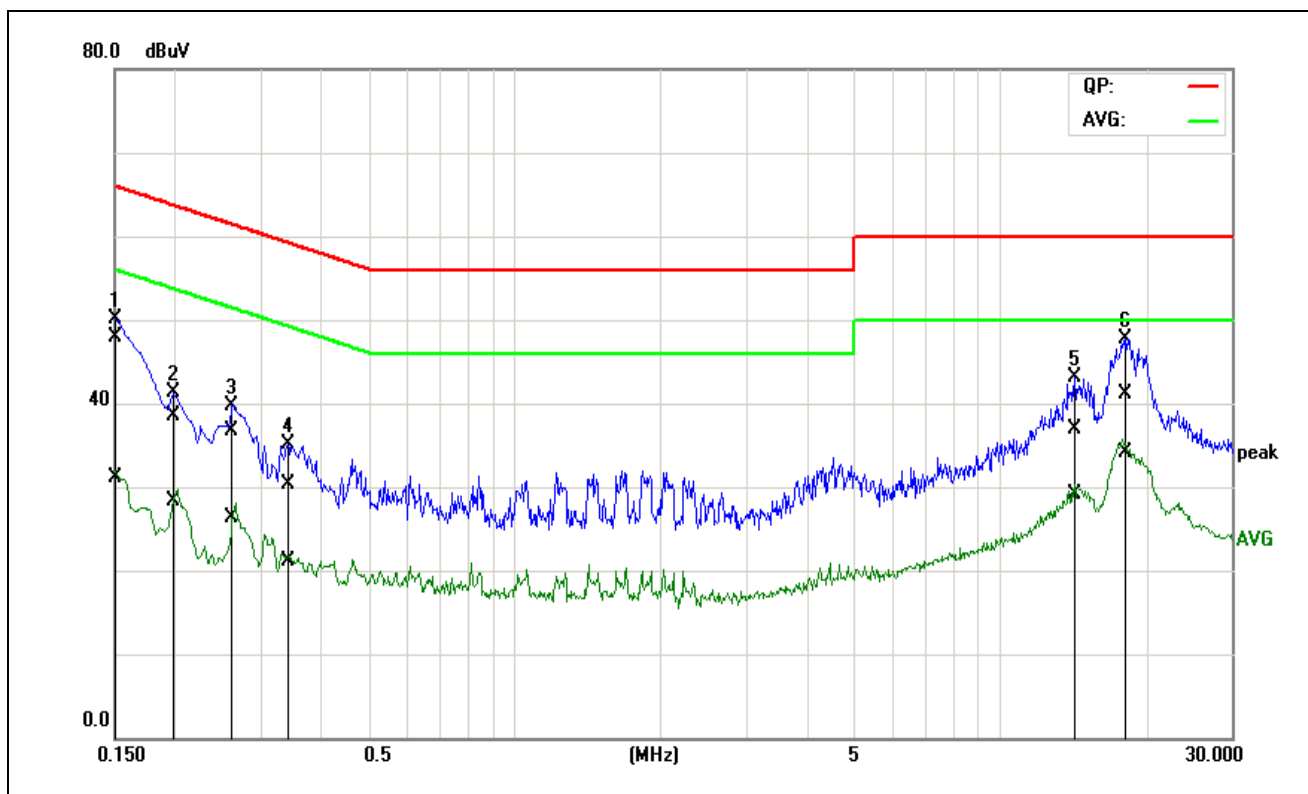
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:27:07
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 32



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1541	30.81	17.12	19.72	50.53	36.84	65.78	55.78	-15.25	-18.94	Pass
2	0.2326	20.88	9.81	19.66	40.54	29.47	62.36	52.36	-21.82	-22.89	Pass
3	0.3122	18.92	8.98	19.72	38.64	28.70	59.91	49.91	-21.27	-21.21	Pass
4	0.4011	12.37	2.17	19.78	32.15	21.95	57.83	47.83	-25.68	-25.88	Pass
5	0.5442	10.56	2.82	19.85	30.41	22.67	56.00	46.00	-25.59	-23.33	Pass
6	20.8663	17.07	11.00	21.11	38.18	32.11	60.00	50.00	-21.82	-17.89	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

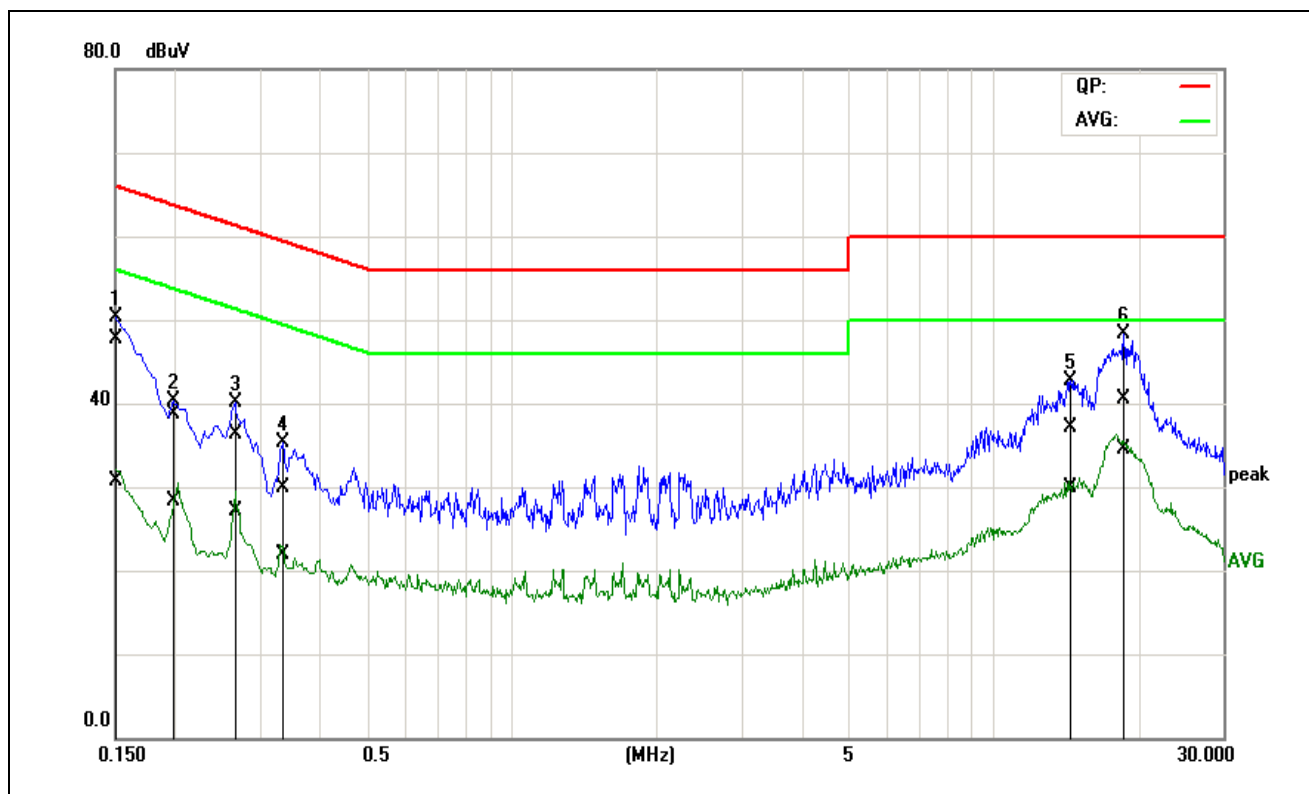
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 06:50:55
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 33



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	28.05	11.26	19.81	47.86	31.07	66.00	56.00	-18.14	-24.93	Pass
2	0.1981	18.85	8.73	19.61	38.46	28.34	63.69	53.69	-25.23	-25.35	Pass
3	0.2624	17.01	6.65	19.65	36.66	26.30	61.36	51.36	-24.70	-25.06	Pass
4	0.3413	10.55	1.36	19.71	30.26	21.07	59.17	49.17	-28.91	-28.10	Pass
5	14.2696	16.05	8.30	20.83	36.88	29.13	60.00	50.00	-23.12	-20.87	Pass
6*	18.1735	20.15	13.14	21.02	41.17	34.16	60.00	50.00	-18.83	-15.84	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

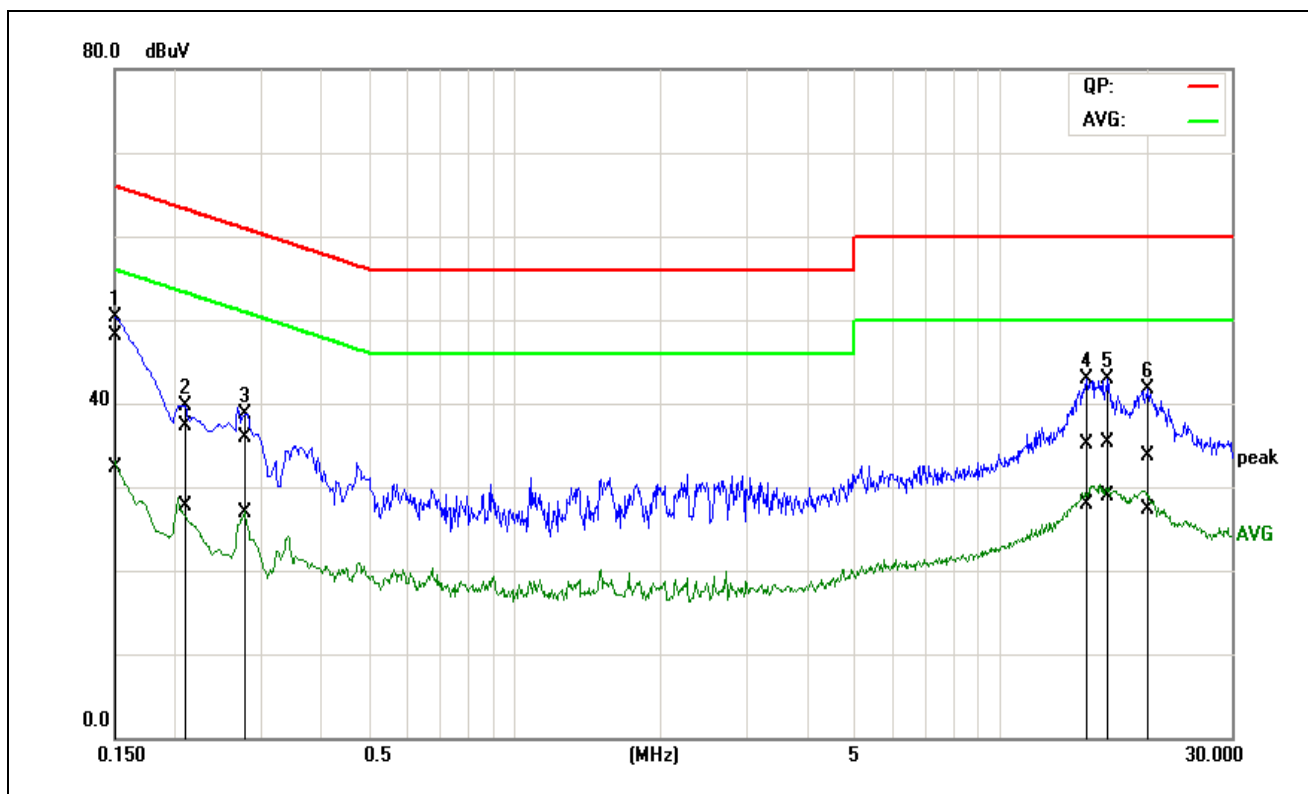
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 06:56:12
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 33



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1502	27.97	11.06	19.73	47.70	30.79	65.99	55.99	-18.29	-25.20	Pass
2	0.1977	18.97	8.63	19.64	38.61	28.27	63.71	53.71	-25.10	-25.44	Pass
3	0.2659	16.69	7.34	19.69	36.38	27.03	61.25	51.25	-24.87	-24.22	Pass
4	0.3322	10.13	2.22	19.73	29.86	21.95	59.40	49.40	-29.54	-27.45	Pass
5	14.5082	16.45	9.25	20.69	37.14	29.94	60.00	50.00	-22.86	-20.06	Pass
6*	18.6370	19.52	13.52	20.98	40.50	34.50	60.00	50.00	-19.50	-15.50	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

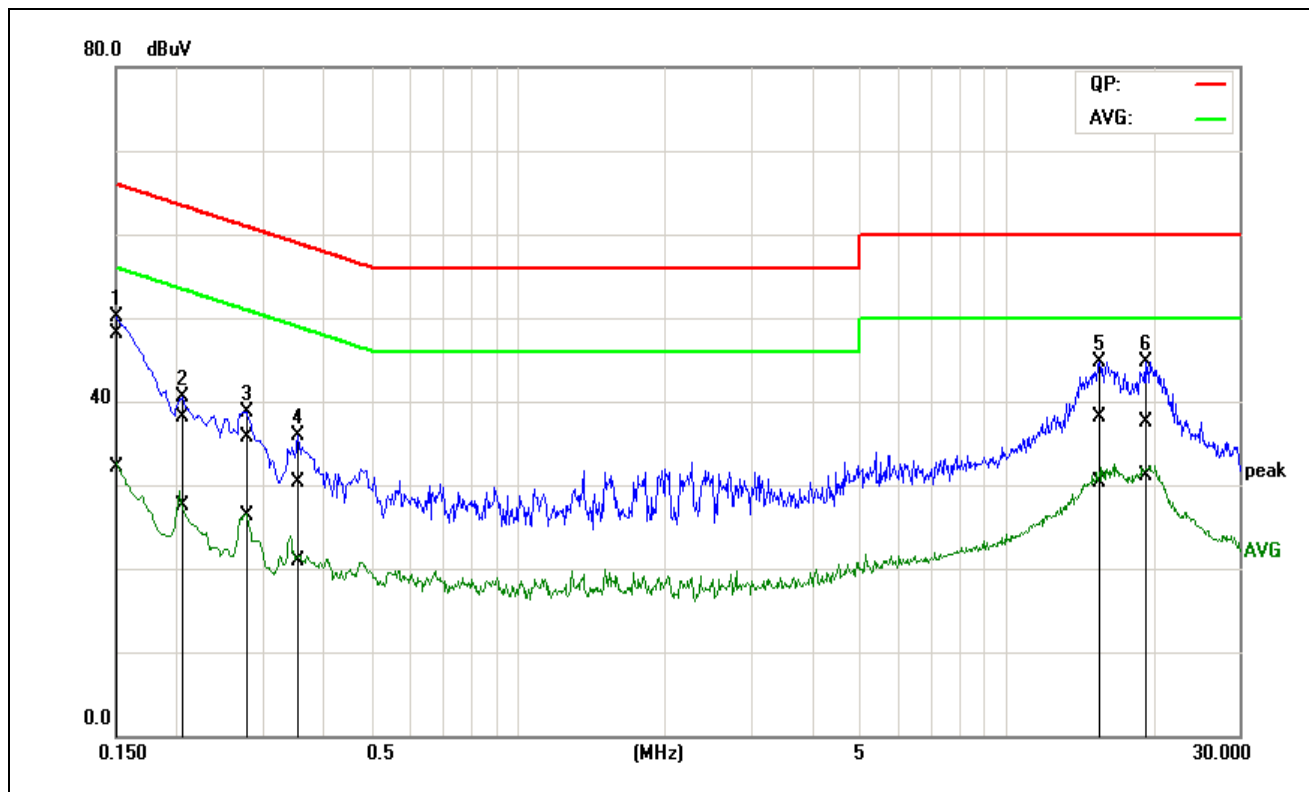
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:36:39
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 34



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	28.28	12.43	19.81	48.09	32.24	65.99	56.00	-17.90	-23.76	Pass
2	0.2061	17.65	8.16	19.60	37.25	27.76	63.36	53.36	-26.11	-25.60	Pass
3	0.2733	16.22	7.19	19.66	35.88	26.85	61.01	51.02	-25.13	-24.17	Pass
4	15.1505	14.32	7.01	20.85	35.17	27.86	60.00	50.00	-24.83	-22.14	Pass
5	16.7755	14.33	8.01	20.94	35.27	28.95	60.00	50.00	-24.73	-21.05	Pass
6	20.2371	12.59	6.11	21.13	33.72	27.24	60.00	50.00	-26.28	-22.76	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

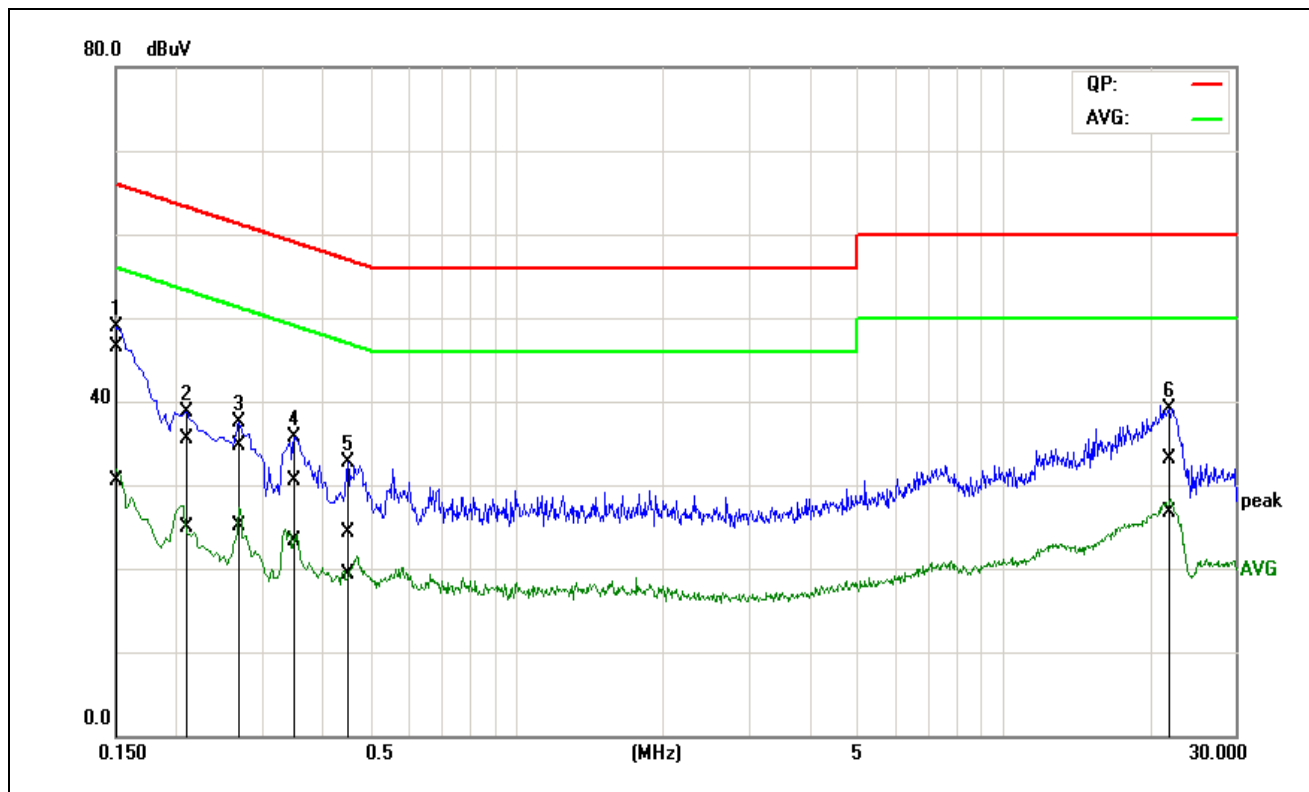
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:42:05
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 34



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	28.32	12.35	19.73	48.05	32.08	65.99	56.00	-17.94	-23.92	Pass
2	0.2024	18.52	7.79	19.64	38.16	27.43	63.51	53.51	-25.35	-26.08	Pass
3	0.2753	15.94	6.67	19.69	35.63	26.36	60.95	50.96	-25.32	-24.60	Pass
4	0.3551	10.47	1.17	19.75	30.22	20.92	58.84	48.84	-28.62	-27.92	Pass
5	15.5331	17.42	9.66	20.72	38.14	30.38	60.00	50.00	-21.86	-19.62	Pass
6	19.2485	16.50	9.99	21.03	37.53	31.02	60.00	50.00	-22.47	-18.98	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

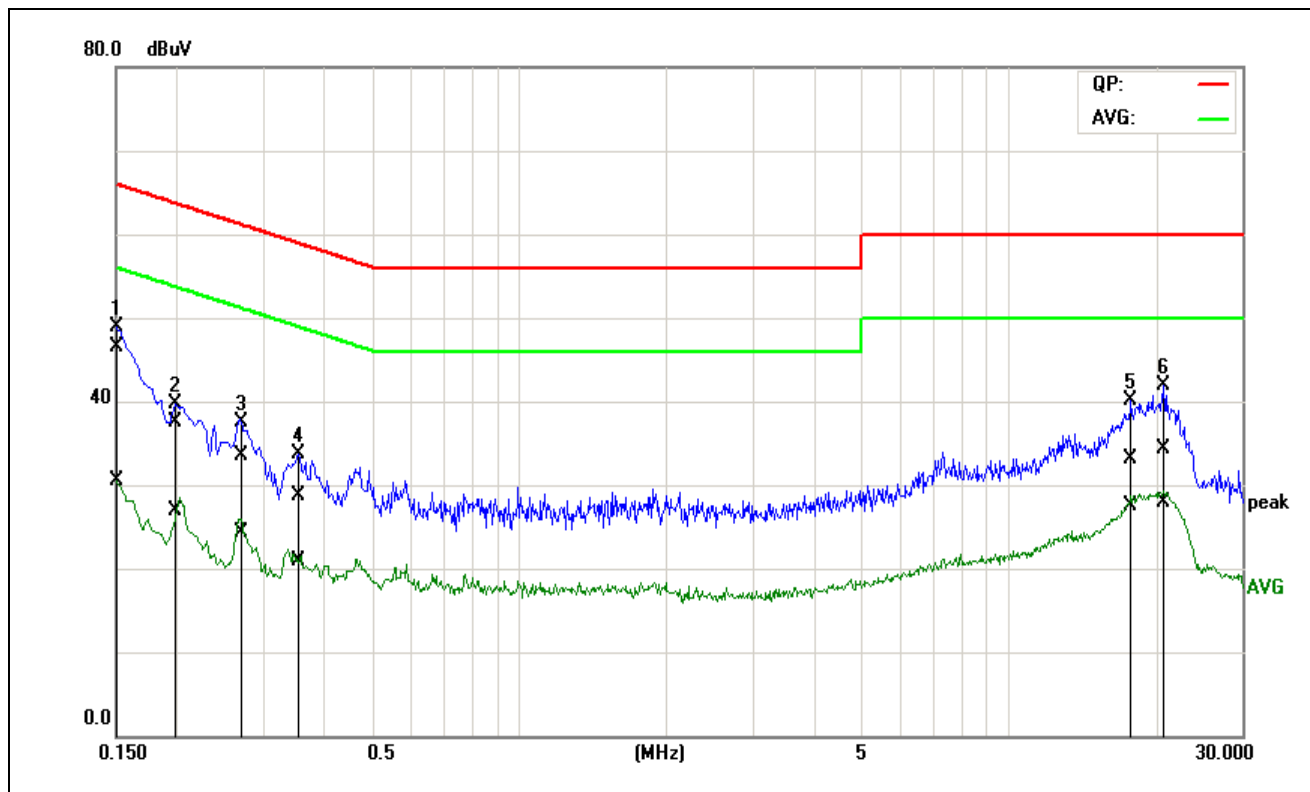
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 02:16:26
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 35



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	26.70	10.77	19.81	46.51	30.58	66.00	56.00	-19.49	-25.42	Pass
2	0.2082	15.96	5.37	19.61	35.57	24.98	63.28	53.28	-27.71	-28.30	Pass
3	0.2659	14.97	5.54	19.65	34.62	25.19	61.25	51.25	-26.63	-26.06	Pass
4	0.3512	10.83	3.67	19.72	30.55	23.39	58.93	48.93	-28.38	-25.54	Pass
5	0.4511	4.46	-0.47	19.79	24.25	19.32	56.85	46.85	-32.60	-27.53	Pass
6	22.1019	11.94	5.59	21.16	33.10	26.75	60.00	50.00	-26.90	-23.25	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

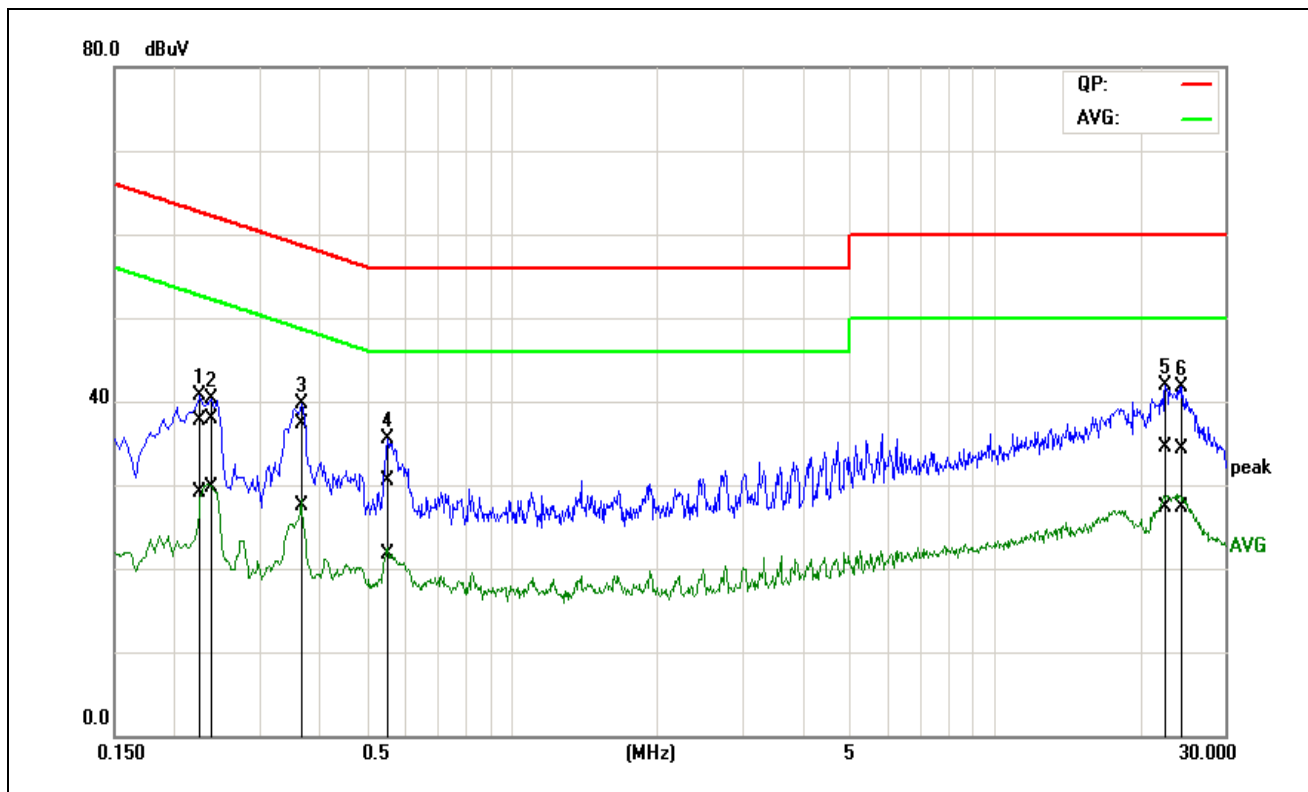
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 02:21:49
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 35



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1500	26.71	10.69	19.73	46.44	30.42	66.00	56.00	-19.56	-25.58	Pass
2	0.1993	17.79	7.33	19.64	37.43	26.97	63.64	53.64	-26.21	-26.67	Pass
3	0.2724	13.89	4.59	19.69	33.58	24.28	61.04	51.04	-27.46	-26.76	Pass
4	0.3544	8.93	1.09	19.75	28.68	20.84	58.86	48.86	-30.18	-28.02	Pass
5	17.8091	12.23	6.58	20.91	33.14	27.49	60.00	50.00	-26.86	-22.51	Pass
6	20.7409	13.11	6.80	21.11	34.22	27.91	60.00	50.00	-25.78	-22.09	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:48:20
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 36

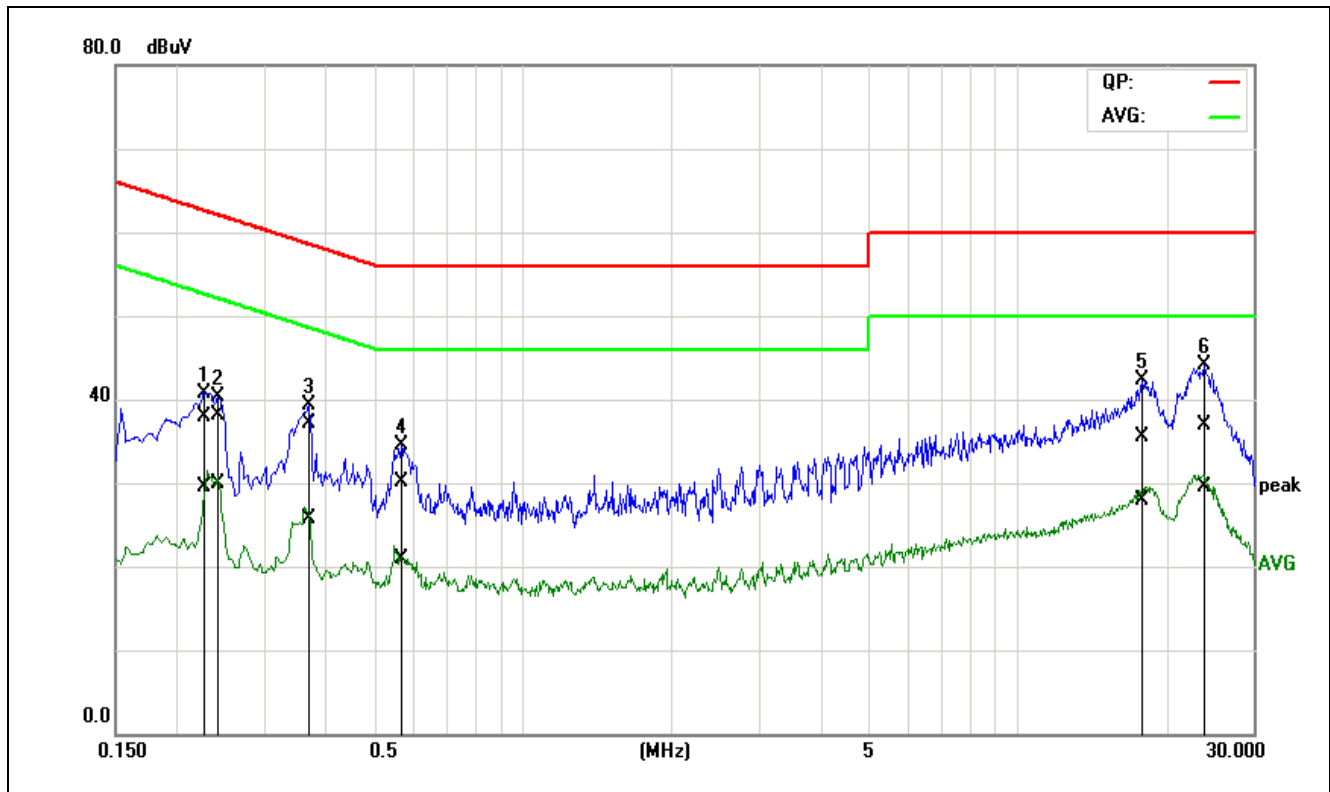


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2276	18.08	9.49	19.62	37.70	29.11	62.54	52.54	-24.84	-23.43	Pass
2	0.2369	18.22	10.00	19.63	37.85	29.63	62.20	52.20	-24.35	-22.57	Pass
3*	0.3650	17.58	7.68	19.73	37.31	27.41	58.61	48.61	-21.30	-21.20	Pass
4	0.5565	10.63	1.83	19.83	30.46	21.66	56.00	46.00	-25.54	-24.34	Pass
5	22.5709	13.33	6.22	21.17	34.50	27.39	60.00	50.00	-25.50	-22.61	Pass
6	24.4019	13.08	6.18	21.19	34.27	27.37	60.00	50.00	-25.73	-22.63	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



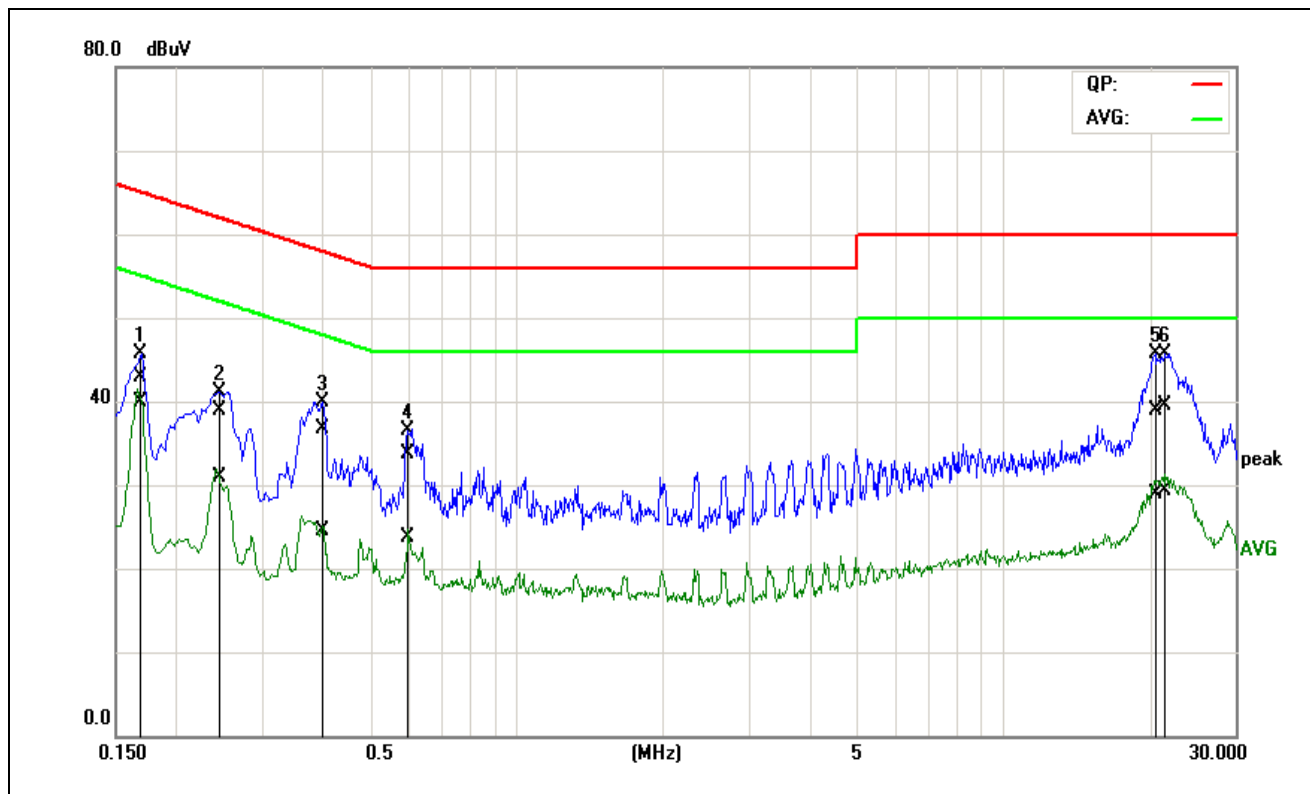
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 04:53:44
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A12	Description:	Mode 36



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2282	18.25	9.86	19.66	37.91	29.52	62.51	52.51	-24.60	-22.99	Pass
2	0.2400	18.34	10.29	19.67	38.01	29.96	62.10	52.10	-24.09	-22.14	Pass
3	0.3690	17.27	5.94	19.76	37.03	25.70	58.52	48.52	-21.49	-22.82	Pass
4	0.5630	10.29	1.15	19.85	30.14	21.00	56.00	46.00	-25.86	-25.00	Pass
5	17.8781	14.65	7.01	20.92	35.57	27.93	60.00	50.00	-24.43	-22.07	Pass
6*	23.9213	15.68	8.27	21.18	36.86	29.45	60.00	50.00	-23.14	-20.55	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

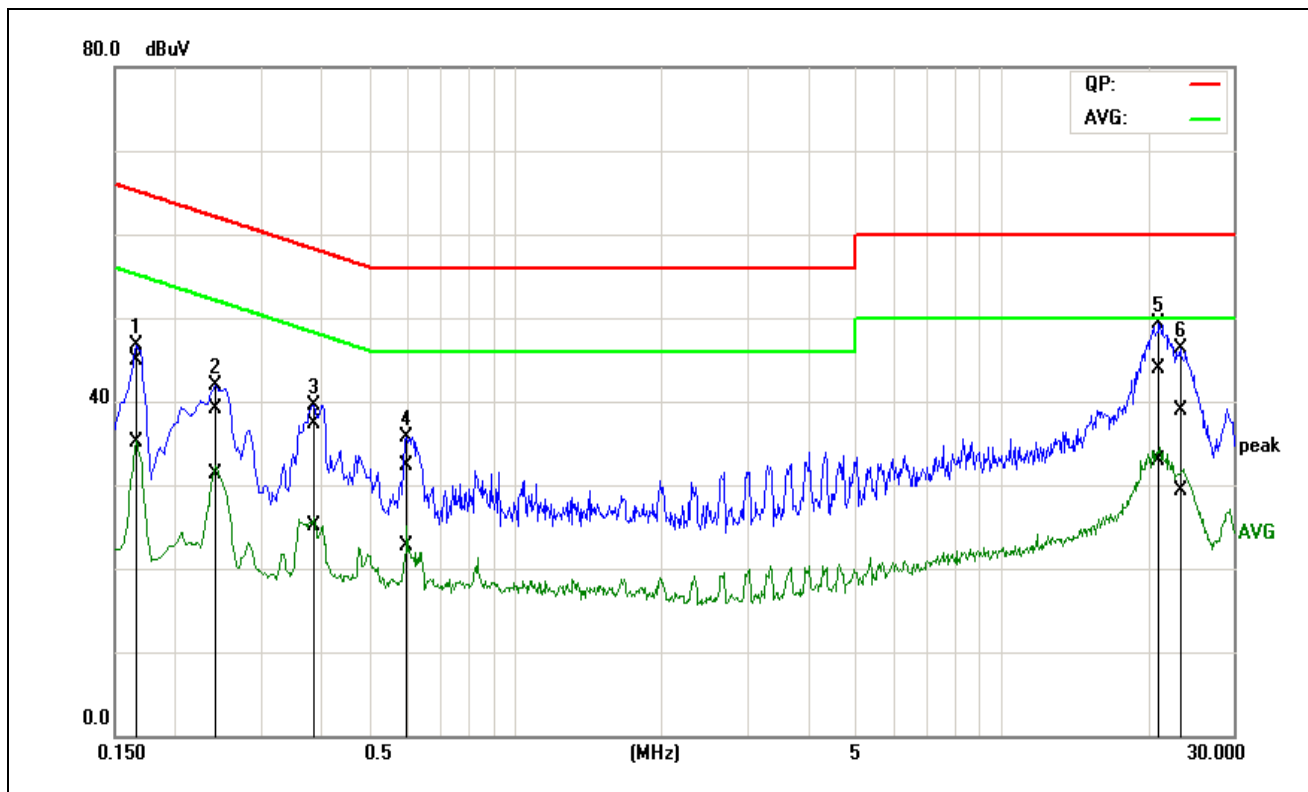
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:32:57
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 37



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1691	23.14	20.18	19.73	42.87	39.91	65.00	55.00	-22.13	-15.09	Pass
2	0.2435	19.32	11.21	19.63	38.95	30.84	61.98	51.98	-23.03	-21.14	Pass
3	0.4009	17.04	4.78	19.75	36.79	24.53	57.83	47.83	-21.04	-23.30	Pass
4	0.5961	13.91	3.81	19.83	33.74	23.64	56.00	46.00	-22.26	-22.36	Pass
5	20.5909	17.67	7.82	21.14	38.81	28.96	60.00	50.00	-21.19	-21.04	Pass
6	21.5753	18.42	8.14	21.15	39.57	29.29	60.00	50.00	-20.43	-20.71	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

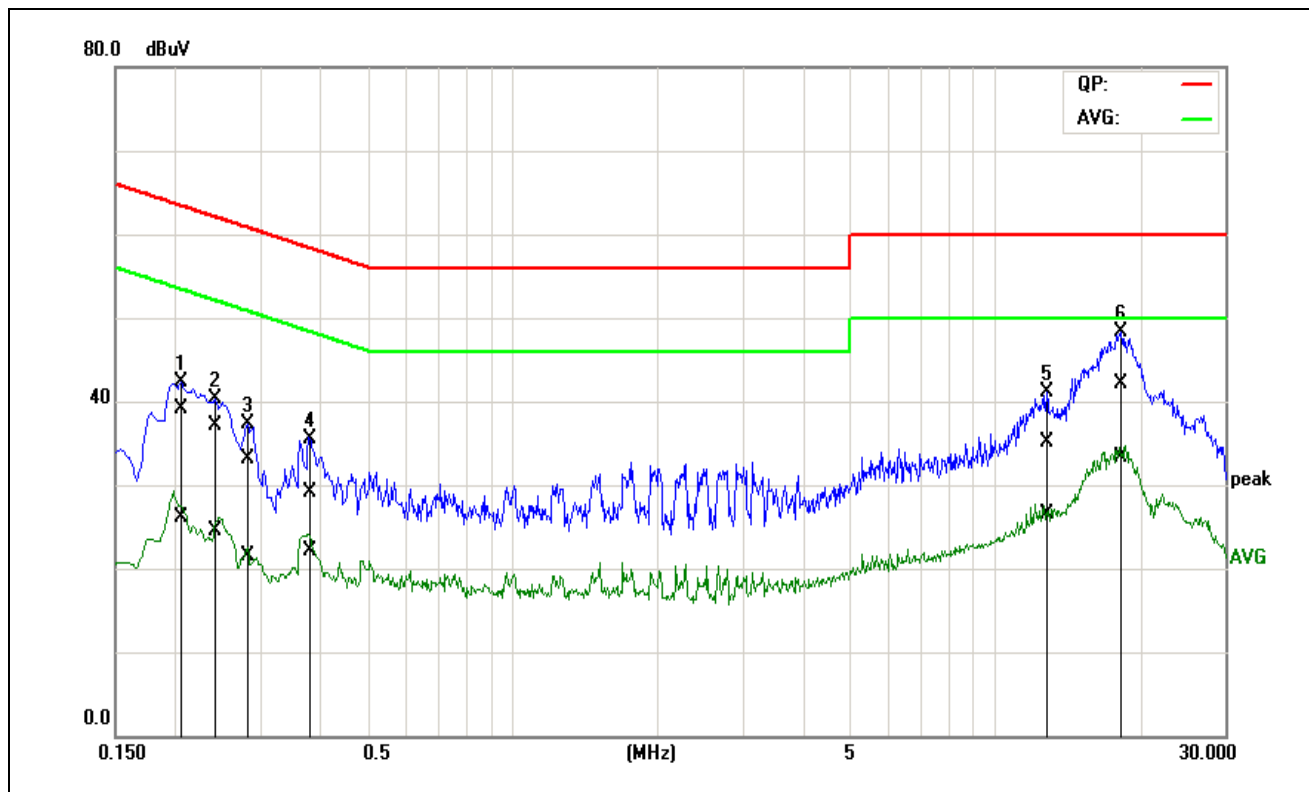
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 05:37:58
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%)	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A15	Description:	Mode 37



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1676	25.24	15.44	19.70	44.94	35.14	65.08	55.08	-20.14	-19.94	Pass
2	0.2426	19.39	11.59	19.67	39.06	31.26	62.01	52.01	-22.95	-20.75	Pass
3	0.3859	17.48	5.43	19.77	37.25	25.20	58.15	48.15	-20.90	-22.95	Pass
4	0.6015	12.55	2.86	19.84	32.39	22.70	56.00	46.00	-23.61	-23.30	Pass
5*	21.1306	22.76	11.77	21.11	43.87	32.88	60.00	50.00	-16.13	-17.12	Pass
6	23.3356	17.79	8.21	21.16	38.95	29.37	60.00	50.00	-21.05	-20.63	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

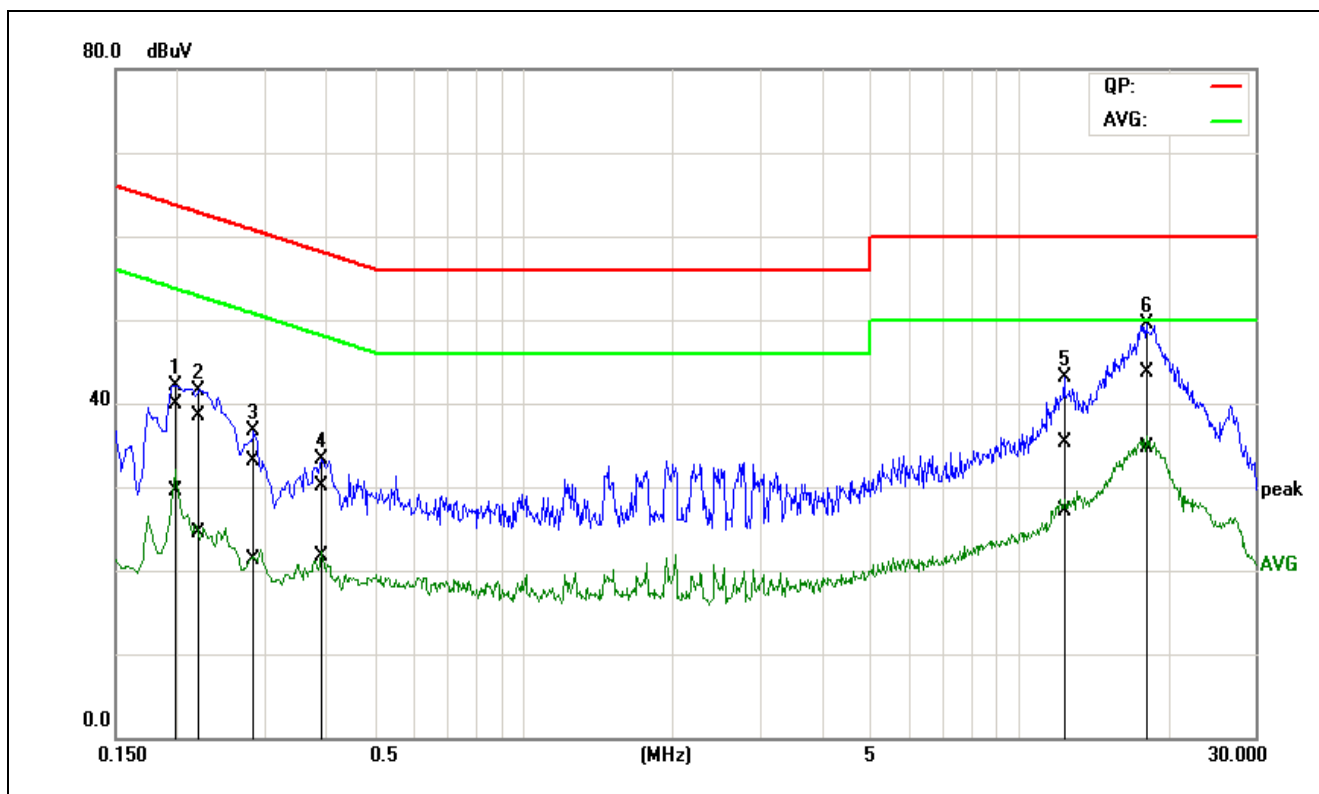
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:01:44
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 38



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2067	19.45	6.46	19.61	39.06	26.07	63.34	53.34	-24.28	-27.27	Pass
2	0.2425	17.40	4.85	19.63	37.03	24.48	62.01	52.01	-24.98	-27.53	Pass
3	0.2811	13.53	1.87	19.66	33.19	21.53	60.78	50.78	-27.59	-29.25	Pass
4	0.3821	9.37	2.44	19.74	29.11	22.18	58.23	48.23	-29.12	-26.05	Pass
5	12.8420	14.36	5.72	20.81	35.17	26.53	60.00	50.00	-24.83	-23.47	Pass
6*	18.2998	21.06	12.19	21.03	42.09	33.22	60.00	50.00	-17.91	-16.78	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

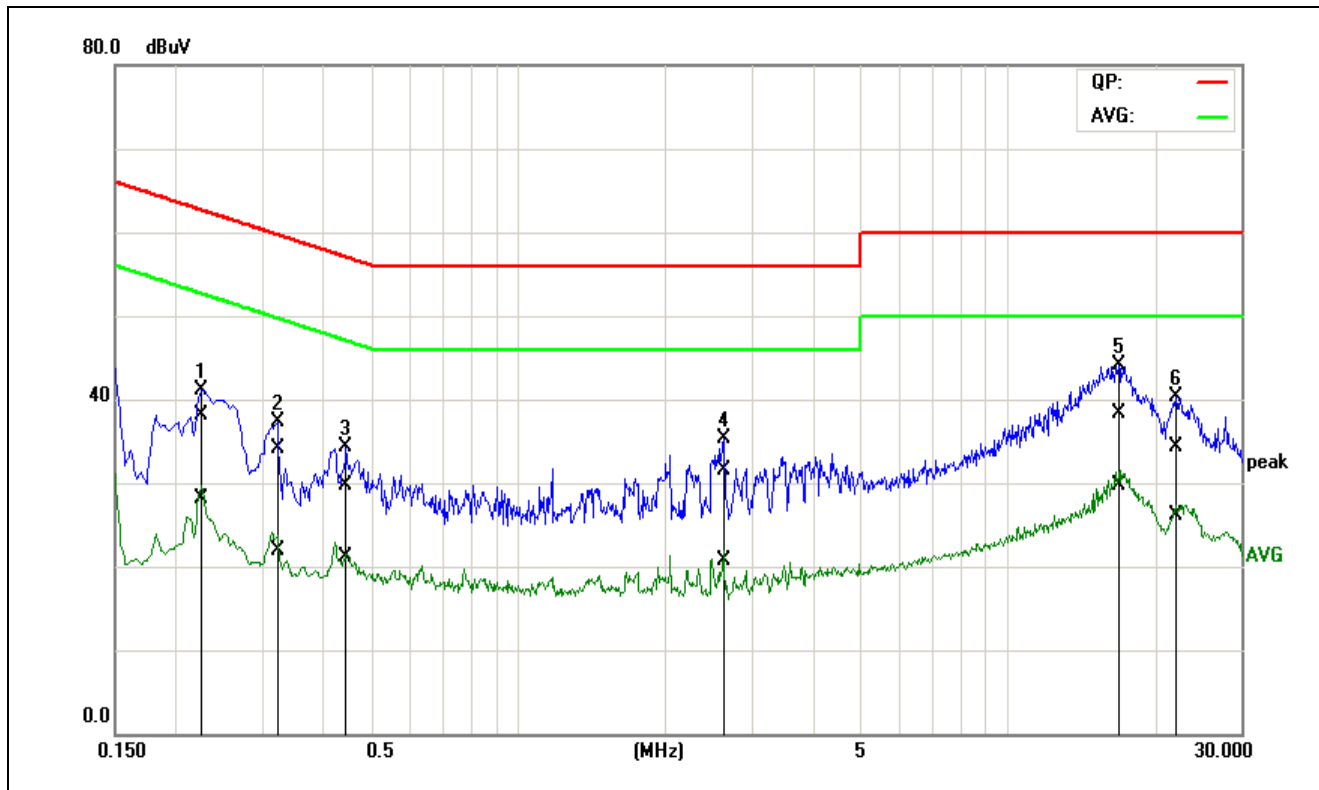
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:06:41
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A20	Description:	Mode 38



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1971	20.23	9.79	19.65	39.88	29.44	63.73	53.73	-23.85	-24.29	Pass
2	0.2180	18.93	4.84	19.65	38.58	24.49	62.89	52.89	-24.31	-28.40	Pass
3	0.2854	13.37	1.57	19.70	33.07	21.27	60.66	50.66	-27.59	-29.39	Pass
4	0.3909	10.30	2.00	19.77	30.07	21.77	58.04	48.04	-27.97	-26.27	Pass
5	12.4061	14.56	6.30	20.75	35.31	27.05	60.00	50.00	-24.69	-22.95	Pass
6*	18.0813	22.75	13.70	20.93	43.68	34.63	60.00	50.00	-16.32	-15.37	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

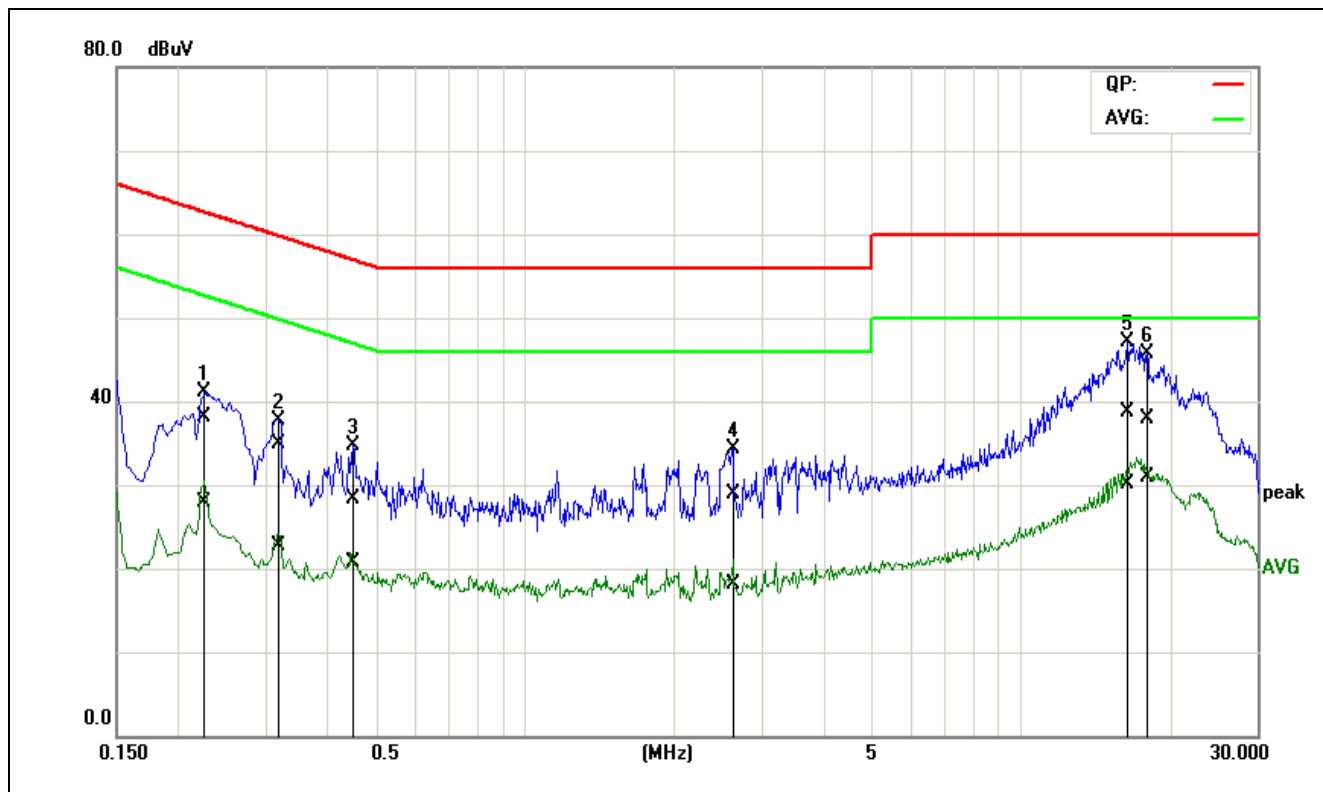
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:50:29
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 39



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2250	18.49	8.39	19.62	38.11	28.01	62.63	52.63	-24.52	-24.62	Pass
2	0.3219	14.36	2.22	19.69	34.05	21.91	59.66	49.66	-25.61	-27.75	Pass
3	0.4429	9.97	1.38	19.79	29.76	21.17	57.01	47.01	-27.25	-25.84	Pass
4	2.6327	11.45	0.63	20.01	31.46	20.64	56.00	46.00	-24.54	-25.36	Pass
5*	16.8826	17.26	8.70	20.95	38.21	29.65	60.00	50.00	-21.79	-20.35	Pass
6	22.1016	13.09	4.92	21.16	34.25	26.08	60.00	50.00	-25.75	-23.92	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

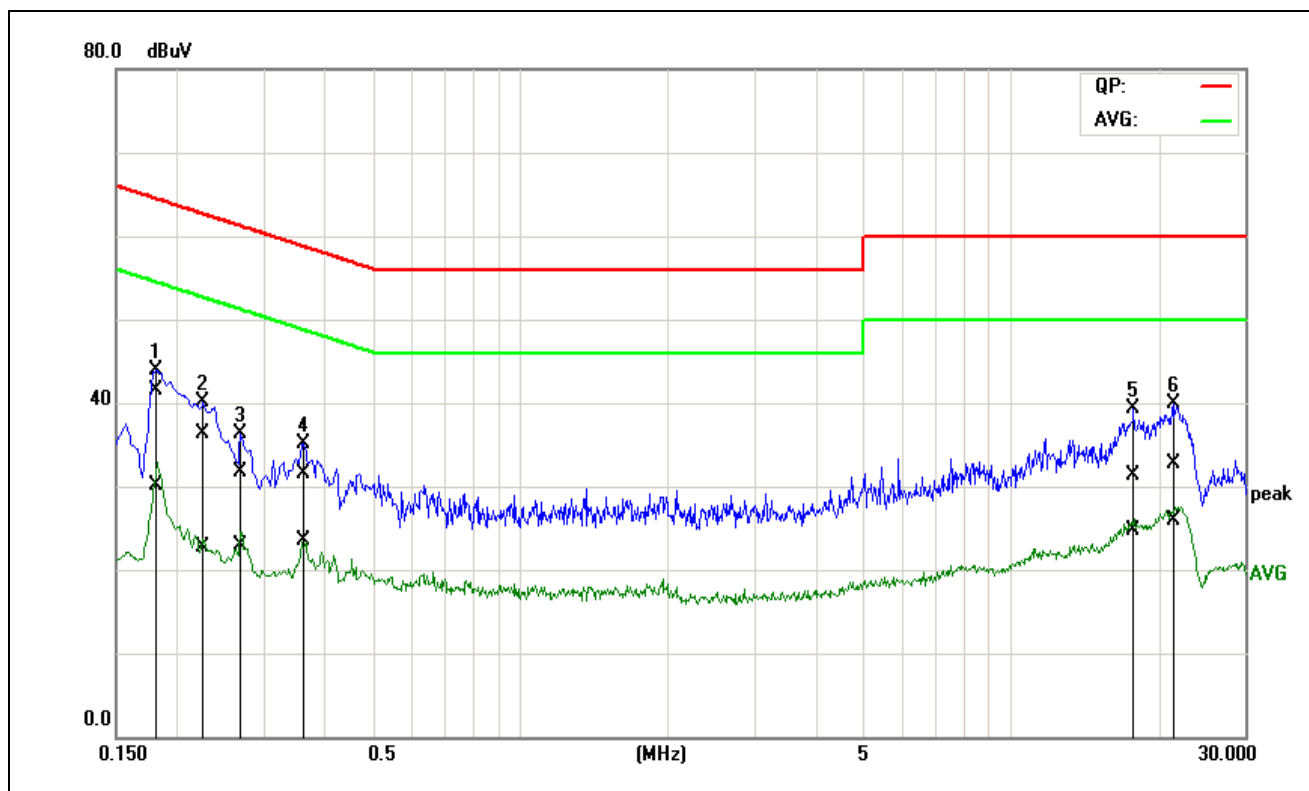
Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 07:55:24
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	25(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A24	Description:	Mode 39



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.2260	18.53	8.27	19.66	38.19	27.93	62.60	52.60	-24.41	-24.67	Pass
2	0.3204	15.21	3.06	19.72	34.93	22.78	59.70	49.70	-24.77	-26.92	Pass
3	0.4507	8.58	0.89	19.82	28.40	20.71	56.86	46.86	-28.46	-26.15	Pass
4	2.5825	8.84	-1.92	20.03	28.87	18.11	56.00	46.00	-27.13	-27.89	Pass
5	16.4361	17.99	9.21	20.80	38.79	30.01	60.00	50.00	-21.21	-19.99	Pass
6*	17.9847	16.96	9.94	20.92	37.88	30.86	60.00	50.00	-22.12	-19.14	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 02:04:32
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L1	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 40

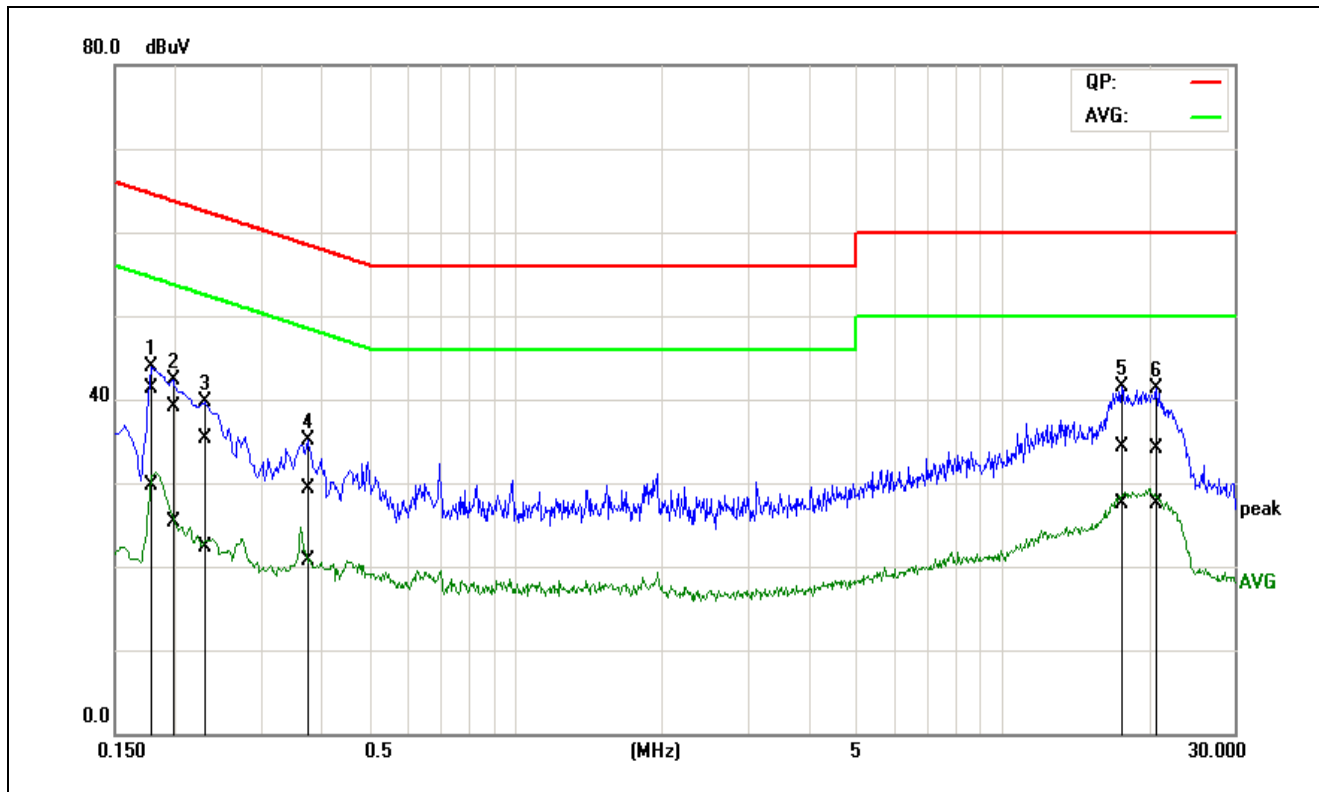


No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1794	21.87	10.34	19.69	41.56	30.03	64.51	54.51	-22.95	-24.48	Pass
2	0.2244	16.68	3.12	19.62	36.30	22.74	62.65	52.65	-26.35	-29.91	Pass
3	0.2709	12.05	3.30	19.65	31.70	22.95	61.09	51.09	-29.39	-28.14	Pass
4	0.3622	11.74	3.74	19.72	31.46	23.46	58.68	48.68	-27.22	-25.22	Pass
5	17.7473	10.36	3.70	21.00	31.36	24.70	60.00	50.00	-28.64	-25.30	Pass
6	21.4287	11.65	4.67	21.15	32.80	25.82	60.00	50.00	-27.20	-24.18	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).



Job No.:	C150522E03	Date:	2015-5-23
Company:	MEAN WELL	Time:	PM 02:10:30
Standard:	CISPR22 Class B Conduction(QP)	Temp.(C)/Hum.(%):	26(C)/42%
Test item:	Conduction test	Test By:	Wei.Su
Line:	L2	Test Voltage:	AC 120V/60Hz
Model:	GST160A48	Description:	Mode 40



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1789	21.66	10.07	19.68	41.34	29.75	64.54	54.54	-23.20	-24.79	Pass
2	0.1976	19.50	5.58	19.64	39.14	25.22	63.71	53.71	-24.57	-28.49	Pass
3	0.2313	15.65	2.74	19.66	35.31	22.40	62.40	52.40	-27.09	-30.00	Pass
4	0.3735	9.49	1.04	19.76	29.25	20.80	58.42	48.42	-29.17	-27.62	Pass
5*	17.6730	13.36	6.60	20.90	34.26	27.50	60.00	50.00	-25.74	-22.50	Pass
6	20.6746	13.01	6.38	21.10	34.11	27.48	60.00	50.00	-25.89	-22.52	Pass

**Note:** 1. L1 = Line One (Live Line) / L2 = Line Two (Neutral Line).

## 7.2. CONDUCTED EMISSION MEASUREMENT AT TELECOMMUNICATION PORTS

### 7.2.1. LIMITS

For Class A Equipment

FREQUENCY (MHz)	Voltage Limit (dBuV)		Current Limit (dBuA)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	97 ~ 87	84 ~ 74	53 ~ 43	40 ~ 30
0.5 ~ 30.0	87	74	43	30

**NOTE:** The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

For Class B Equipment

FREQUENCY (MHz)	Voltage Limit (dBuV)		Current Limit (dBuA)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	84 ~ 74	74 ~ 64	40 ~ 30	30 ~ 20
0.5 - 30.0	74	64	30	20

**NOTE:** The limits decrease linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

**7.2.2. TEST INSTRUMENTS**

CE (Shielding Room)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI TEST RECEIVER	R&S	ESCI	100781	03/03/2015	03/02/2016
V (V-LISN)	SCHWARZBECK	NNLK 8129	8129-143	08/12/2014	08/11/2015
TWO-LINE V-NETWORK	R&S	ENV216	101604	01/12/2015	01/11/2016
Pulse LIMITER	R&S	ESH3-Z2	100524	01/12/2015	01/11/2016
CISPR22 FOUR BALANCED TELECOM PARIS ISN	FCC	FCC-TLISN-T2-02	20625	05/29/2015	05/28/2016
RF CURRENT PROBE	FCC	F-65A	146	09/12/2014	09/11/2015
COUPLING AND DECOUPLING NETWORK	TESEQ	ISN ST08	31272	10/10/2014	10/09/2015
IMPEDANCE STABILIZATION NETWORK	TESEQ	ISN T800	34450	03/03/2015	03/02/2016
Test Software	EZ-EMC ver.3A1				

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. N.C.R = No Calibration Request.

**7.2.3. TEST PROCEDURE**

Selecting ISN for unscreened cable or a current probe for screened cable to take measurement.

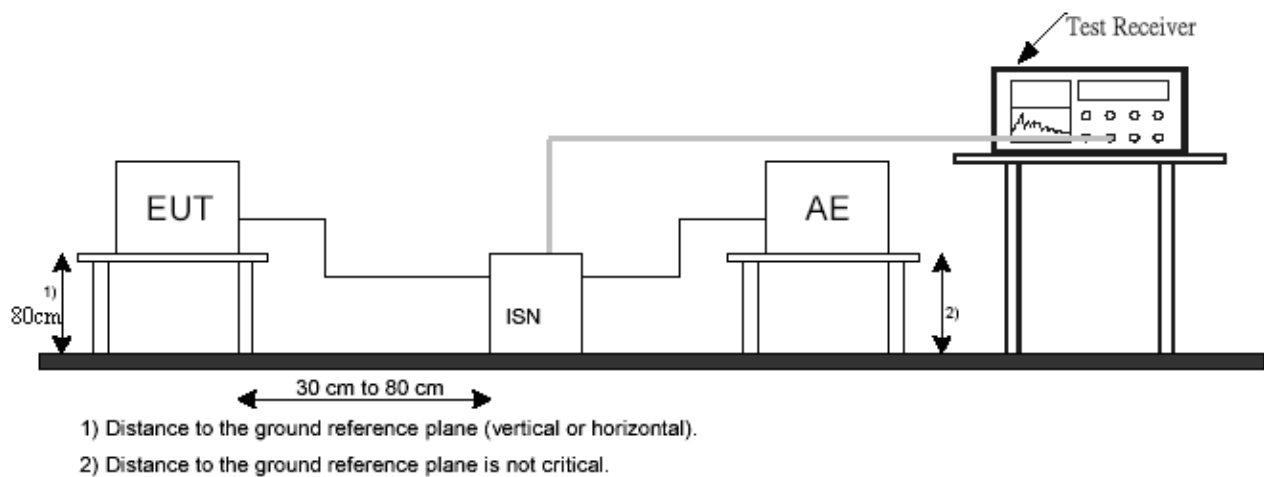
The port of the EUT was connected to the remote side support equipment through the ISN/Current Probe and communication in normal condition.

Making a overall range scan by using the test receiver controlled by controller and record at least six highest emissions for showing in the test report.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

In case of measuring on the screened cable, the current limit shall be applied; otherwise the voltage limit should be applied.

#### 7.2.4. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### 7.2.5. DATA SAMPLE

Frequency	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)
x.xx	35.81	34.89	10.16	45.97	45.05	59.93	49.93	-13.96	-4.88

Correction factor (dB) = Cable loss + Insertion loss of ISN

(QuasiPeak/ Average)Result = (QuasiPeak/ Average)Reading + Correction Factor (dB)

##### Calculation Formula

(QuasiPeak/ Average)Margin (dB) = (QuasiPeak/ Average)Result (dBuV) – (QuasiPeak/ Average)Limit (dBuV)

#### 7.2.6. TEST RESULTS

Note: The EUT has no telecommunication Port, so the test item needn't performance.

## 7.3. RADIATED EMISSION MEASUREMENT

### 7.3.1. LIMITS

#### Below 1GHz

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

#### Above 1GHz

Frequency (MHz)	Class A (dBuV/m) (At 3m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
1000 ~ 3000	56	76	50	70
3000 ~ 6000	60	80	54	74

**NOTE:** The lower limit shall apply at the transition frequencies.

According to EN 55022:2010 clause 6.2, the measurement frequency range shown in the following table:

Highest frequency generated or used within the EUT or on which the EUT operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Less than 108	1000
108-500	2000
500-1000	5000
Above 1000	5 times of the highest frequency or 6GHz, whichever is less

## 7.3.2. TEST INSTRUMENTS

Radiated Emission (Test Site Anechoic Chamber (10m chamber))					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	100002	04/09/2015	04/08/2016
EMI Test Receiver	R&S	ESCI	101379	01/15/2015	01/14/2016
Antenna	Sunol Sciences	JB1	A062604	03/07/2015	03/06/2016
Antenna	Sunol Sciences	JB1	A110204-2	06/28/2014	06/27/2015
Pre-Amplifier	Anritsu	MH648A	M64192	01/15/2015	01/14/2016
Pre-Amplifier	Mini-circuits	ZFL-1000VH2	070306	01/15/2015	01/14/2016
Test Software	EZ-EMC ver.3A1				

Radiated Emission (3M Semi Anechoic Chamber (977))					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
EMI Test Receiver	R&S	ESCI	101378	01/15/2015	01/14/2016
Spectrum Analyzer	R&S	FSU26	200789	08/12/2014	08/11/2015
Amplifier	MITEQ	AMF-6F-260400-40-8P	1037496	09/18/2014	09/17/2015
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9170	9170-515	03/10/2015	03/09/2016
Spectrum Analyzer	Agilent	E4446A	MY44020154	04/09/2015	04/08/2016
Pre-Amplifier	Miteq	JS41-00101800-32-10P	1675713	08/12/2014	08/11/2015
Bilog Antenna	Sunol	JB1	A062604	03/07/2015	03/06/2016
Horn-antenna	SCHWARZBECK	BBHA9120D	267	03/07/2015	03/06/2016
Test Software	EZ-EMC ver.3A1				

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2.N.C.R = No Calibration Request.

### 7.3.3. TEST PROCEDURE

#### Procedure of Preliminary Test

The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 15 cm non-conductive covering to insulate the EUT from the ground plane.

Support equipment, if needed, was placed as per EN 55022.

All I/O cables were positioned to simulate typical usage as per EN 55022.

The EUT received AC power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.

The antenna was placed at 3 or 10 meter away from the EUT as stated in EN 55022. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.

The Analyzer / Receiver quickly scanned from 30MHz to 6000MHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

The test mode(s) described in Item 4.1 were scanned during the preliminary test:

After the preliminary scan, we found the test mode described in Item 4.1 producing the highest emission level.

The EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

#### Procedure of Final Test

EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.

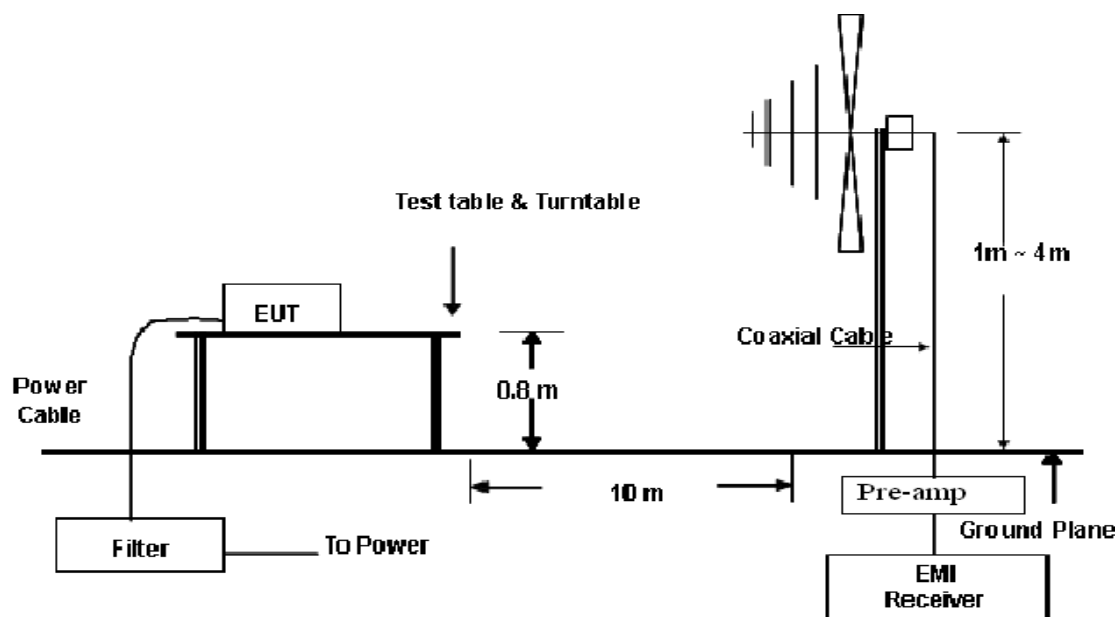
The Analyzer / Receiver scanned from 30MHz to 6000MHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

Recorded at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.

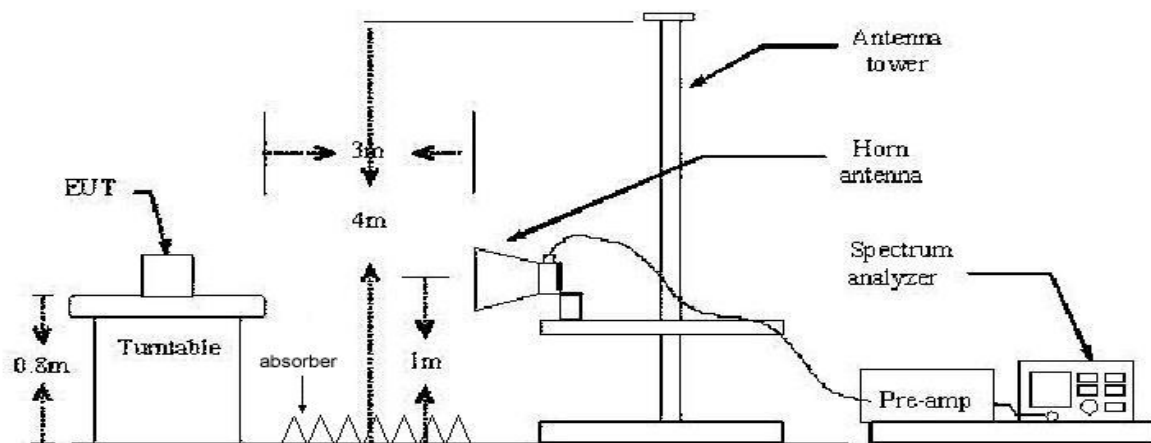
The test data of the worst-case condition(s) was recorded.

### 7.3.4. TEST SETUP

#### Below 1GHz



#### Above 1GHz



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.



**7.3.5. DATA SAMPLE**

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
XX.X.XXX	41.74	-8.38	33.36	30.00	3.36	100	160	peak

Freq. = Emission frequency in MHz  
Reading = Uncorrected Analyzer/Receiver reading  
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain  
Result = Reading + Factor  
Limit = Limit stated in standard  
Margin = Reading in reference to limit  
Height = Height of antenna  
Degree = Position of turn table  
Remark = Information of value (Peak/ QuasiPeak/Average)

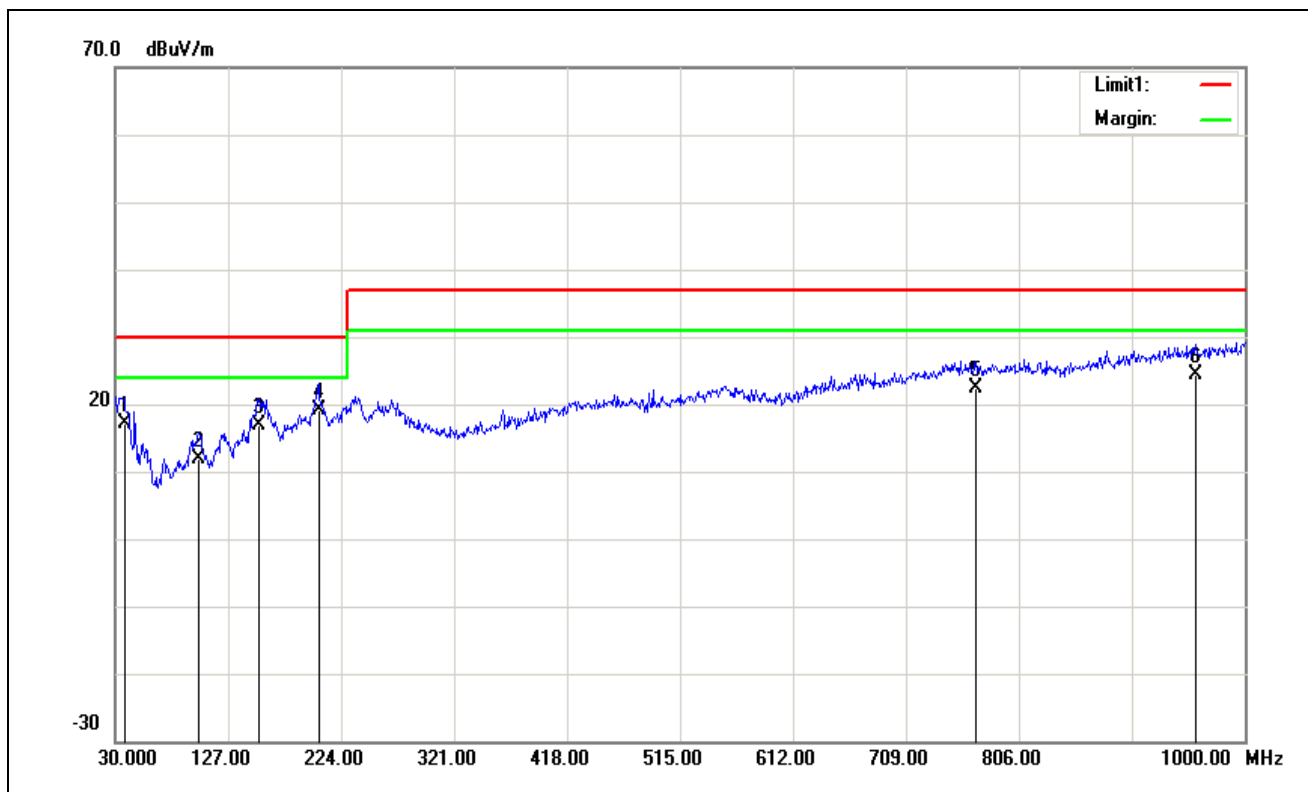
**Calculation Formula**

Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

## 7.3.6. TEST RESULTS

## Below 1GHz

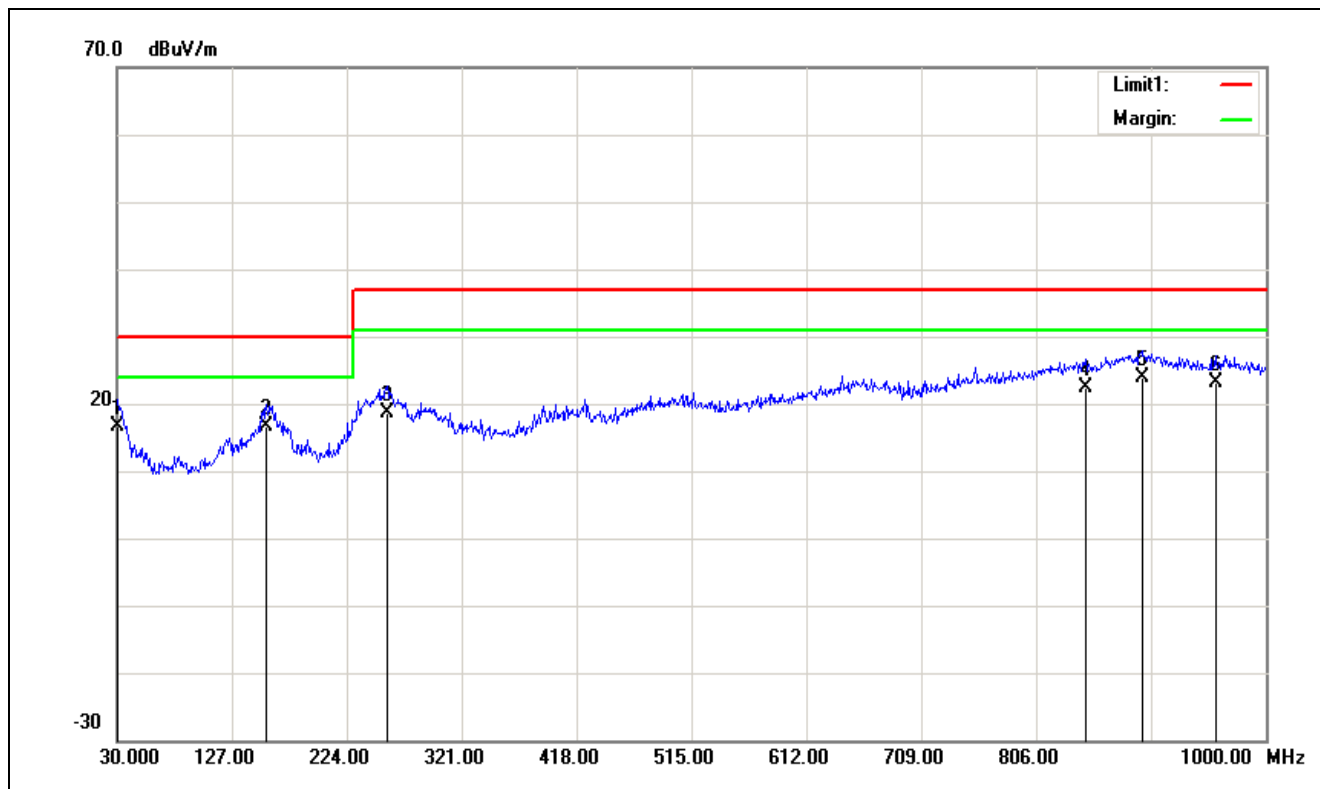
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:28:39
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 1



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	37.7600	28.66	-11.65	17.01	30.00	-12.99	100	285	QP
2	101.7800	29.23	-17.30	11.93	30.00	-18.07	100	308	QP
3	153.1900	30.28	-13.39	16.89	30.00	-13.11	300	337	QP
4	204.6000	33.64	-14.44	19.20	30.00	-10.80	100	368	QP
5	769.1400	24.19	-1.72	22.47	37.00	-14.53	100	116	QP
6	957.3200	23.07	1.21	24.28	37.00	-12.72	400	189	QP

**Note:** 1. The other emission levels were very low against the limit.

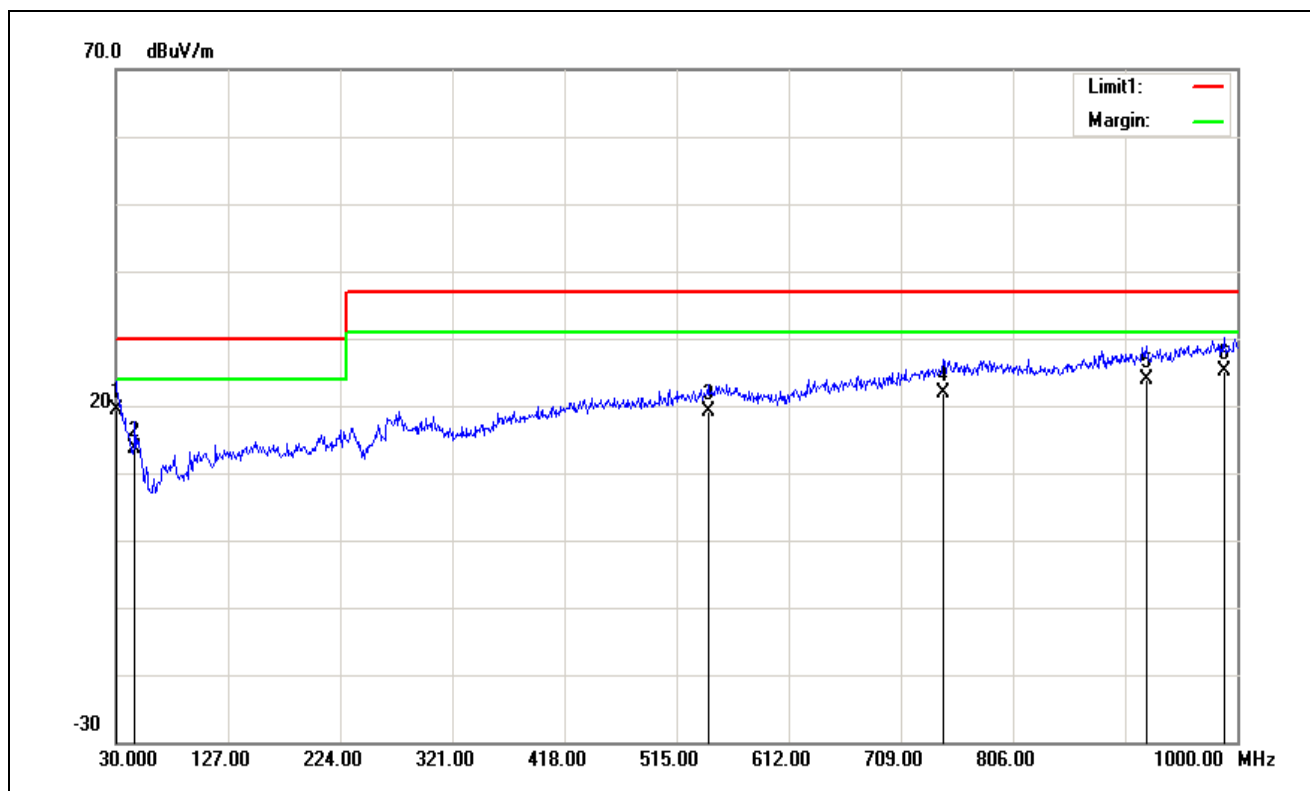
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:28:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 1



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.46	-4.71	16.75	30.00	-13.25	300	108	QP
2	156.1000	29.31	-12.65	16.66	30.00	-13.34	400	71	QP
3	257.9500	31.11	-12.44	18.67	37.00	-18.33	300	104	QP
4	847.7100	21.28	1.22	22.50	37.00	-14.50	100	6	QP
5	895.2400	21.60	2.16	23.76	37.00	-13.24	400	107	QP
6	957.3200	21.67	1.50	23.17	37.00	-13.83	112	358	QP

**Note:** 1. The other emission levels were very low against the limit.

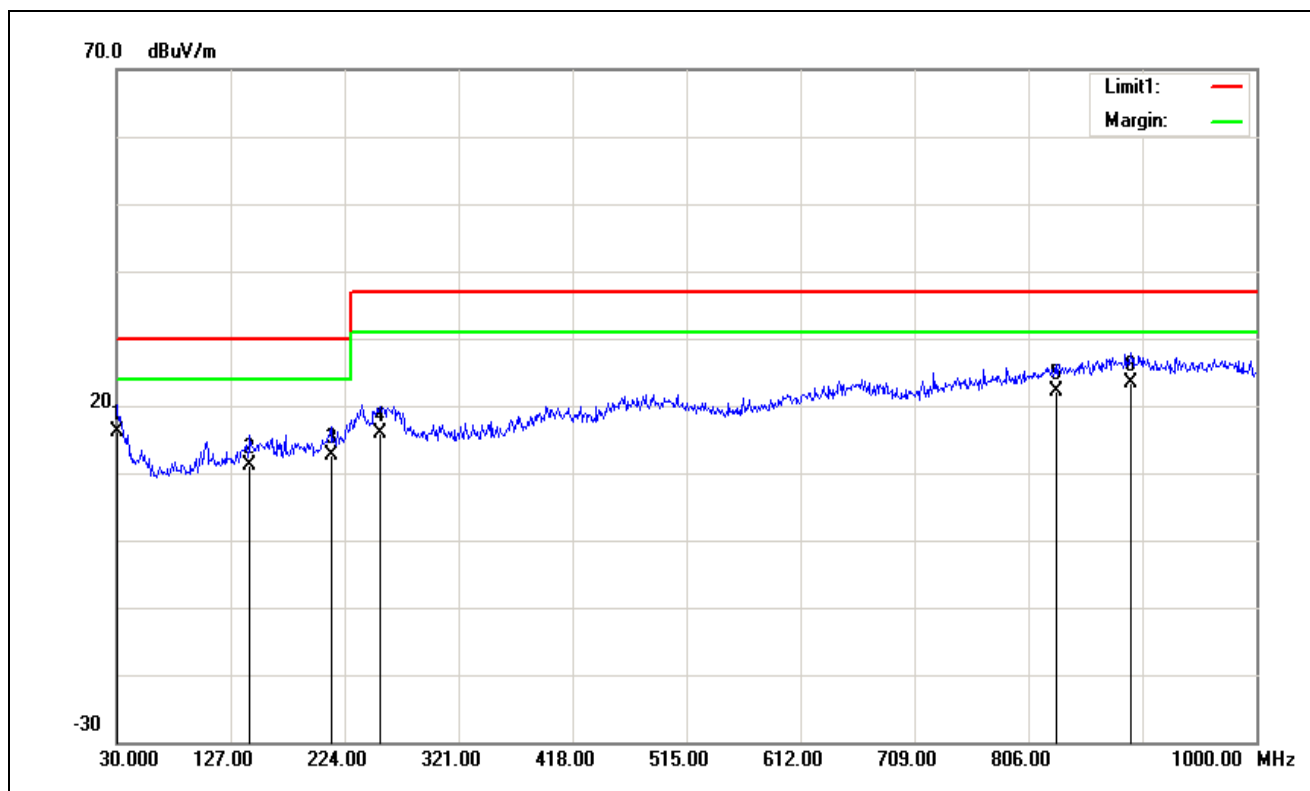
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:18:17
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 2



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	25.61	-6.35	19.26	30.00	-10.74	100	123	QP
2	46.4900	31.13	-17.62	13.51	30.00	-16.49	100	360	QP
3	542.1600	24.35	-5.31	19.04	37.00	-17.96	400	184	QP
4	745.8600	23.82	-1.95	21.87	37.00	-15.13	100	260	QP
5	921.4300	23.28	0.52	23.80	37.00	-13.20	400	0	QP
6	988.3600	23.26	1.81	25.07	37.00	-11.93	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

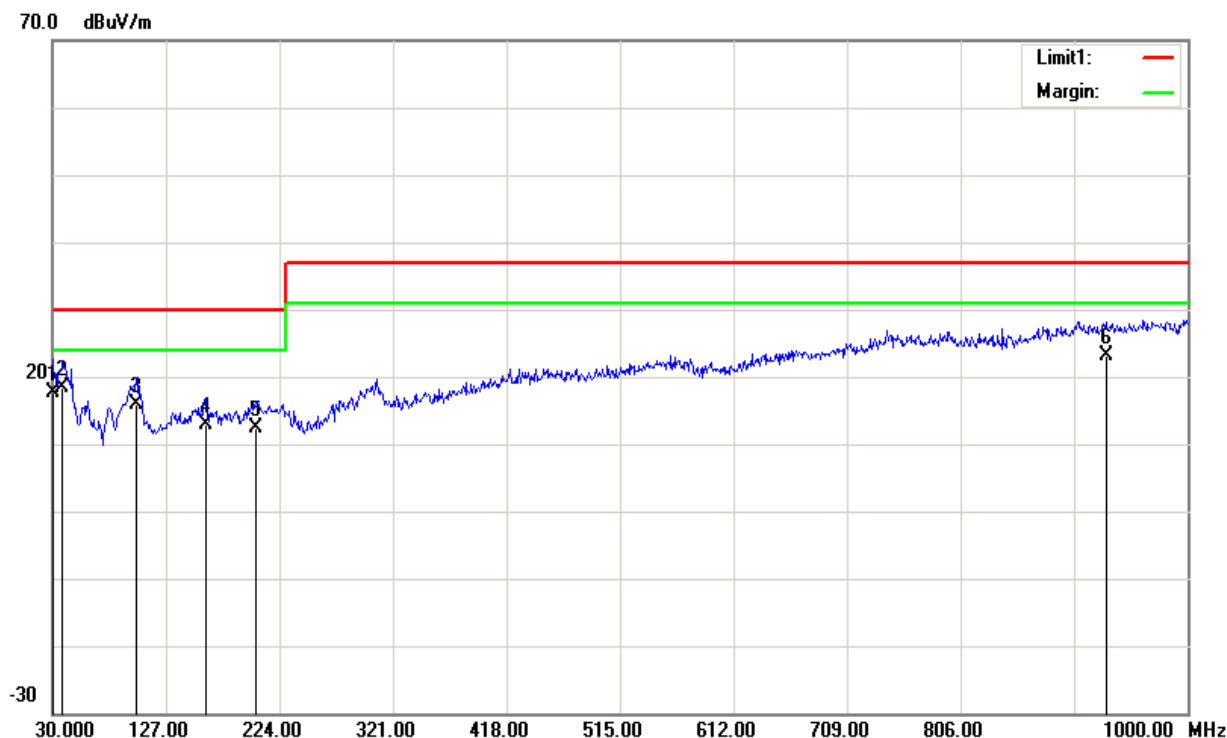
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:18:15
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 2



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.79	-4.71	16.08	30.00	-13.92	400	345	QP
2	143.4900	24.11	-12.86	11.25	30.00	-18.75	400	108	QP
3	212.3600	25.68	-13.01	12.67	30.00	-17.33	400	264	QP
4	254.0700	28.41	-12.62	15.79	37.00	-21.21	300	288	QP
5	829.2800	21.33	0.68	22.01	37.00	-14.99	200	273	QP
6	893.3000	21.16	2.12	23.28	37.00	-13.72	100	164	QP

**Note:** 1. The other emission levels were very low against the limit.

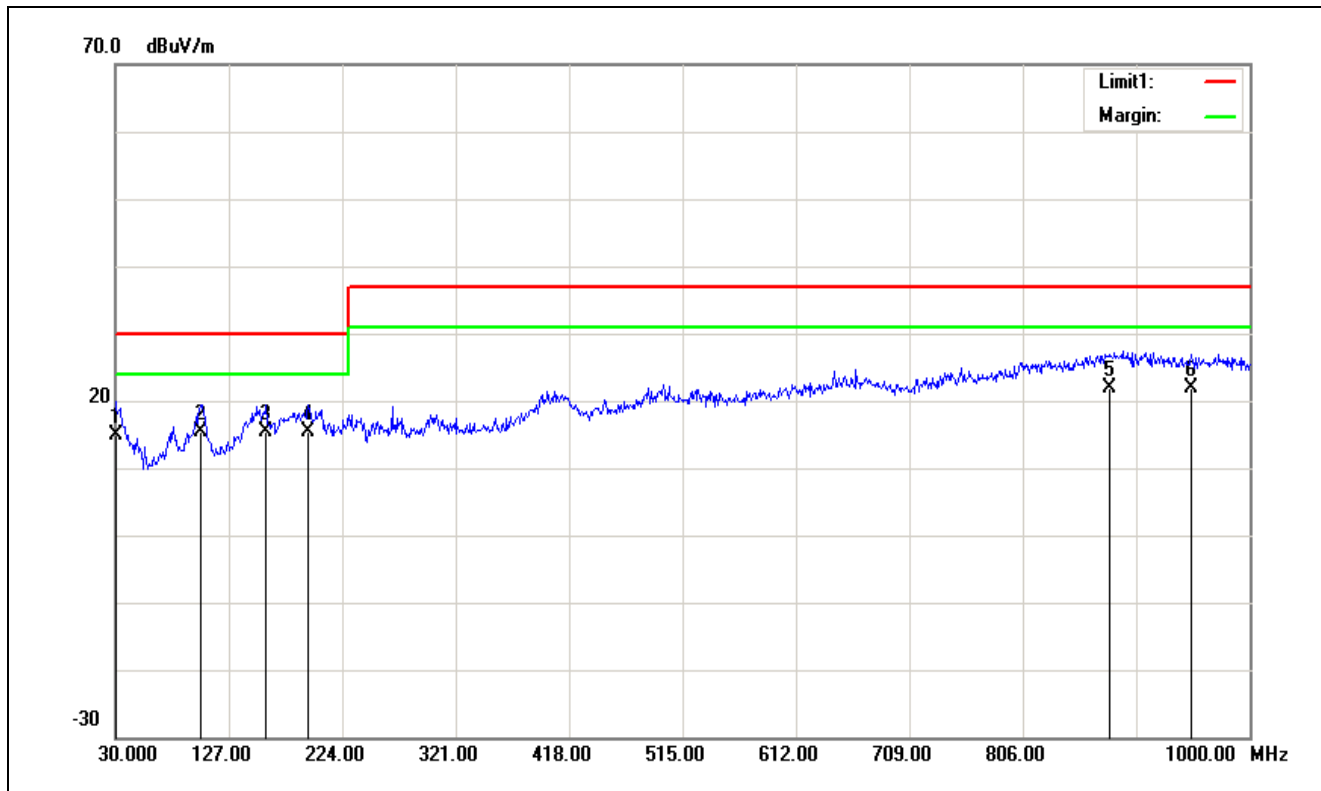
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:01:10
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 3



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	24.01	-6.35	17.66	30.00	-12.34	100	163	QP
2	38.7300	30.69	-12.32	18.37	30.00	-11.63	300	109	QP
3	101.7800	33.14	-17.30	15.84	30.00	-14.16	200	355	QP
4	160.9500	26.32	-13.55	12.77	30.00	-17.23	100	137	QP
5	203.6300	26.93	-14.43	12.50	30.00	-17.50	200	0	QP
6	930.1600	22.54	0.69	23.23	37.00	-13.77	200	355	QP

**Note:** 1. The other emission levels were very low against the limit.

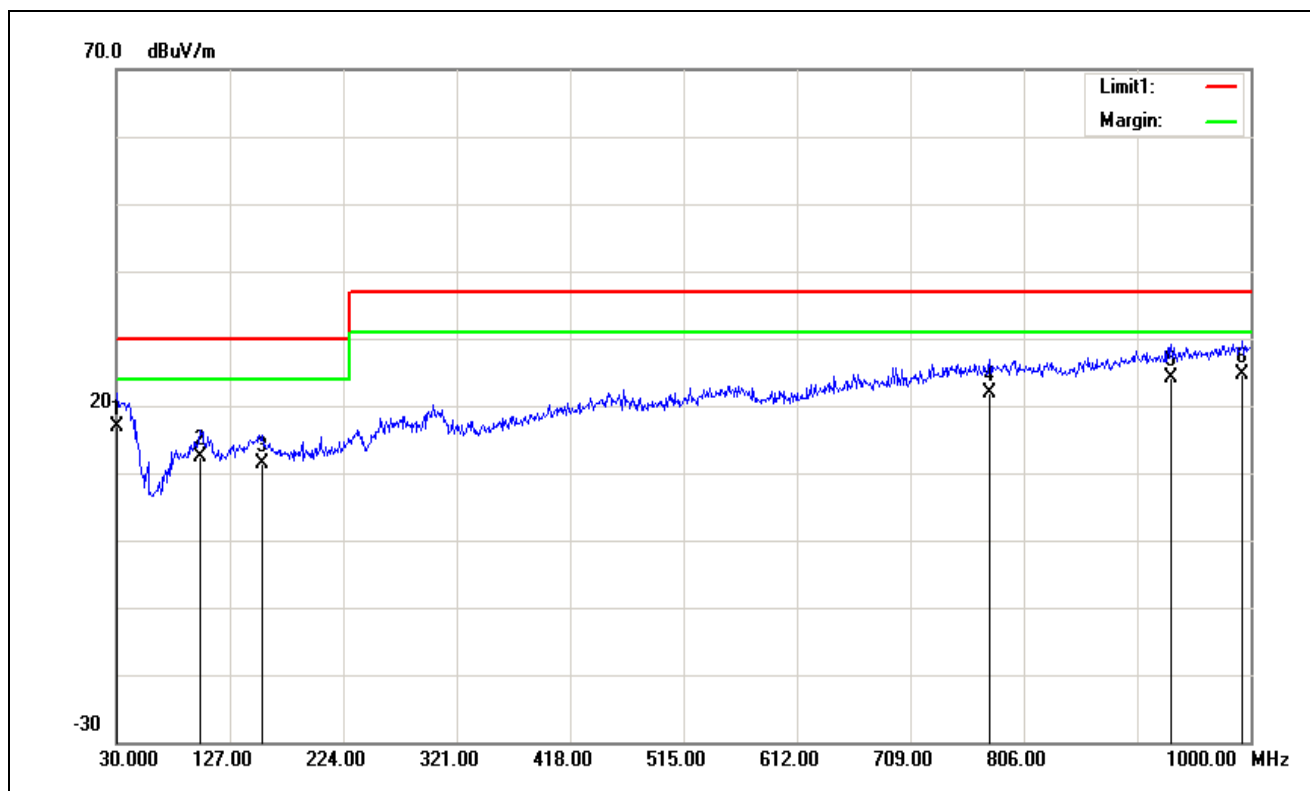
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:01:09
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 3



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.48	-4.71	14.77	30.00	-15.23	400	218	QP
2	102.7500	29.93	-14.55	15.38	30.00	-14.62	400	0	QP
3	159.0100	28.02	-12.68	15.34	30.00	-14.66	400	0	QP
4	194.9000	28.31	-13.02	15.29	30.00	-14.71	300	0	QP
5	879.7200	20.06	1.86	21.92	37.00	-15.08	400	88	QP
6	949.5600	20.22	1.58	21.80	37.00	-15.20	400	343	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:31:01
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 4

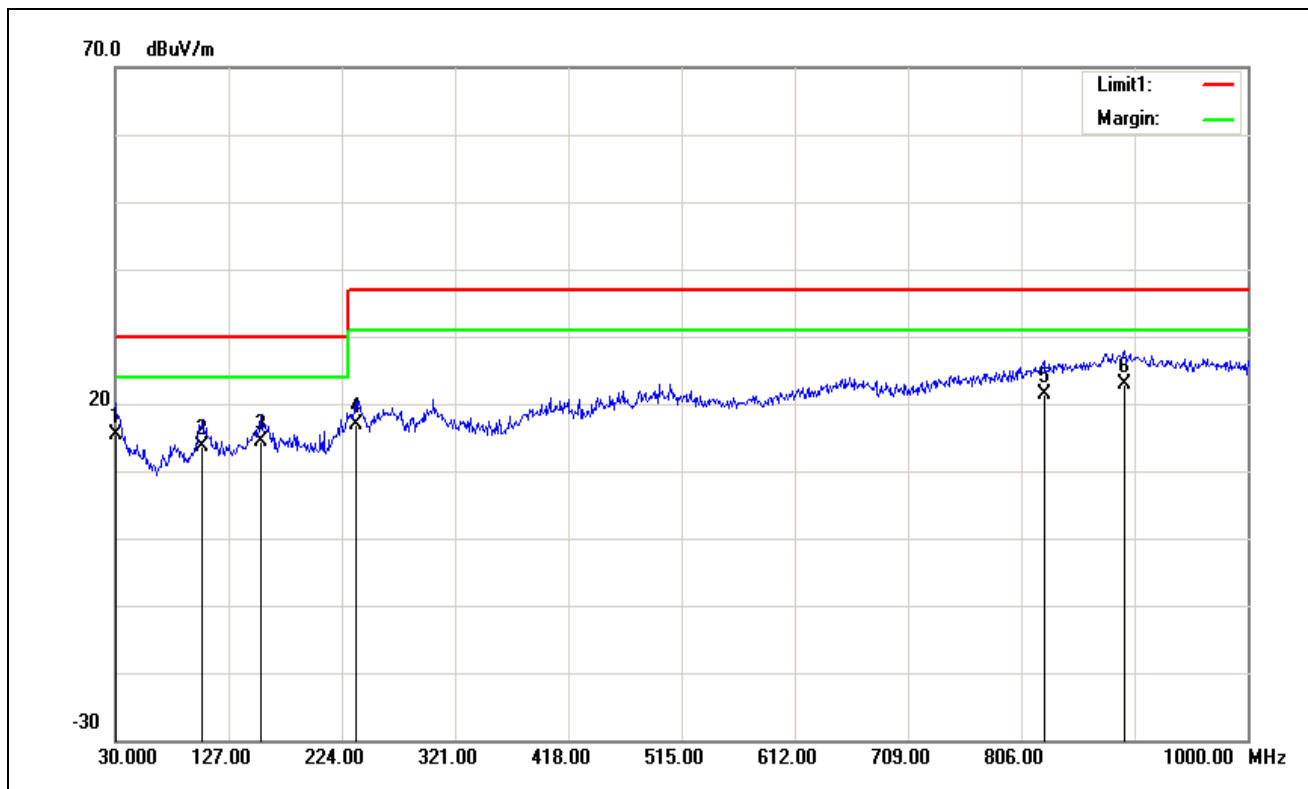


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.98	-7.01	16.97	30.00	-13.03	200	178	QP
2	101.7800	29.60	-17.30	12.30	30.00	-17.70	200	358	QP
3	155.1300	24.92	-13.43	11.49	30.00	-18.51	400	228	QP
4	776.9000	23.50	-1.67	21.83	37.00	-15.17	400	198	QP
5	932.1000	23.30	0.73	24.03	37.00	-12.97	200	81	QP
6	993.2100	22.71	1.90	24.61	37.00	-12.39	200	240	QP

**Note:** 1. The other emission levels were very low against the limit.



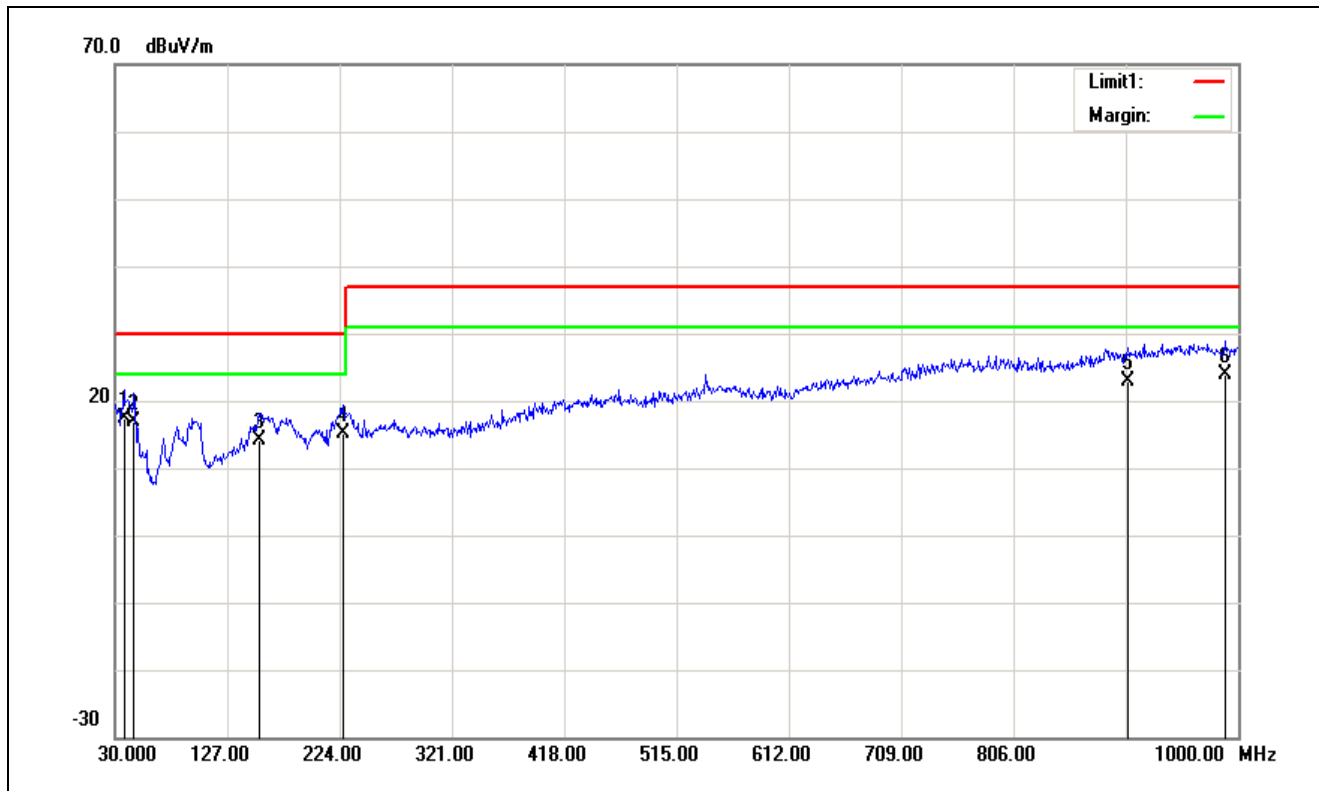
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:31:00
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 4



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.03	-4.71	15.32	30.00	-14.68	400	117	QP
2	104.6900	28.08	-14.47	13.61	30.00	-16.39	400	277	QP
3	154.1600	27.08	-12.63	14.45	30.00	-15.55	400	344	QP
4	235.6400	29.77	-12.89	16.88	37.00	-20.12	400	122	QP
5	825.4000	20.77	0.57	21.34	37.00	-15.66	300	0	QP
6	894.2700	20.86	2.14	23.00	37.00	-14.00	100	357	QP

**Note:** 1. The other emission levels were very low against the limit.

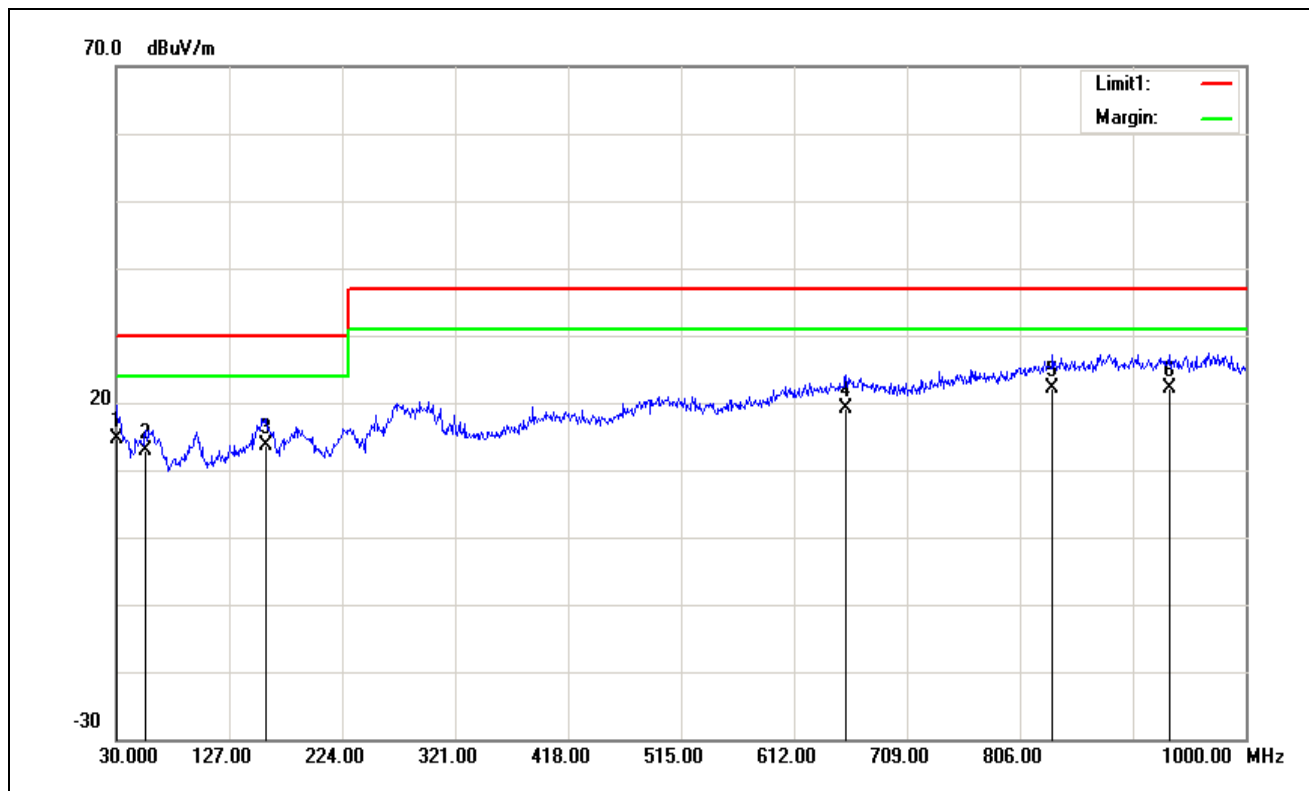
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:10:53
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 5



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	29.02	-11.65	17.37	30.00	-12.63	100	88	QP
2	46.4900	34.62	-17.62	17.00	30.00	-13.00	100	61	QP
3	154.1600	27.42	-13.41	14.01	30.00	-15.99	100	360	QP
4	226.9100	29.87	-14.69	15.18	30.00	-14.82	100	148	QP
5	904.9400	22.64	0.20	22.84	37.00	-14.16	400	0	QP
6	988.3600	22.02	1.81	23.83	37.00	-13.17	100	10	QP

**Note:** 1. The other emission levels were very low against the limit.

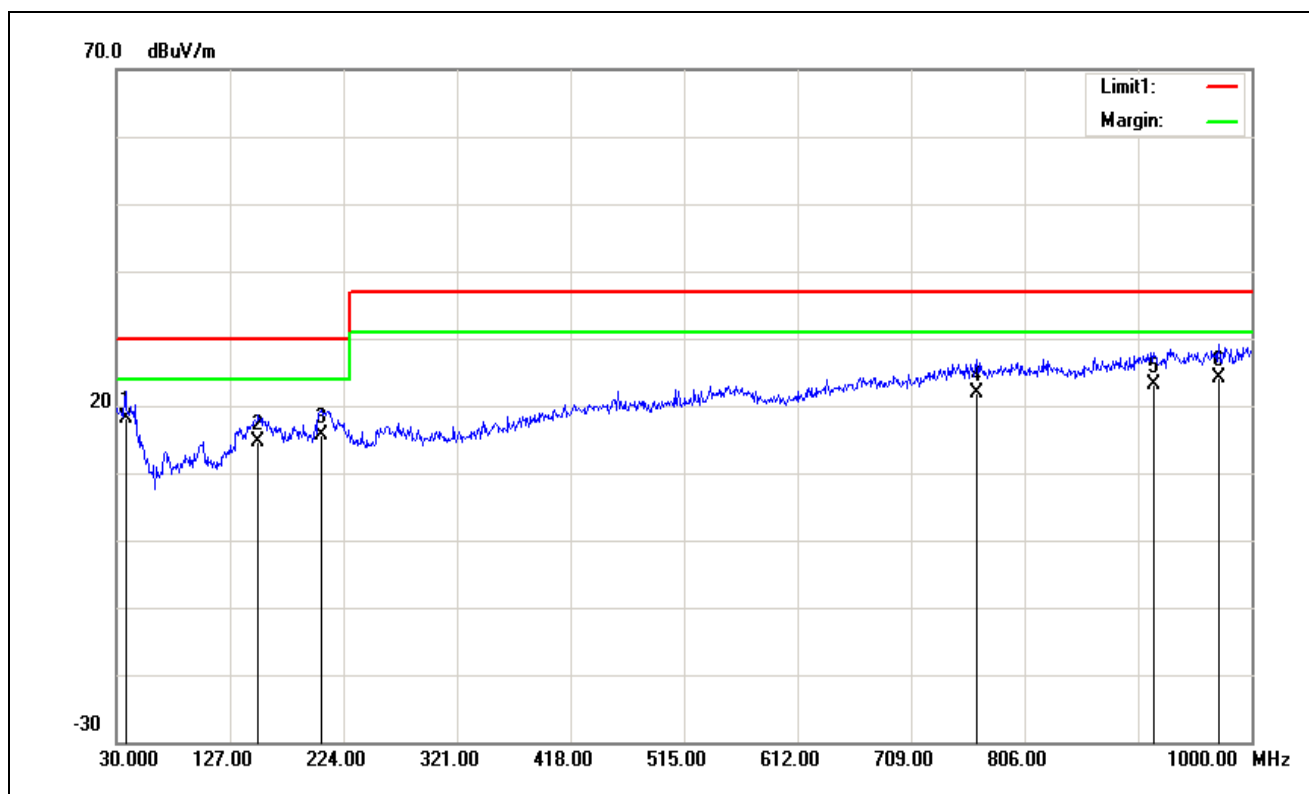
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:10:51
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 5



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.30	-4.71	14.59	30.00	-15.41	100	230	QP
2	55.2200	28.86	-16.01	12.85	30.00	-17.15	200	240	QP
3	158.0400	26.33	-12.67	13.66	30.00	-16.34	300	323	QP
4	656.6200	21.37	-2.21	19.16	37.00	-17.84	300	193	QP
5	834.1300	21.21	0.83	22.04	37.00	-14.96	200	20	QP
6	934.0400	20.31	1.79	22.10	37.00	-14.90	300	119	QP

**Note:** 1. The other emission levels were very low against the limit.

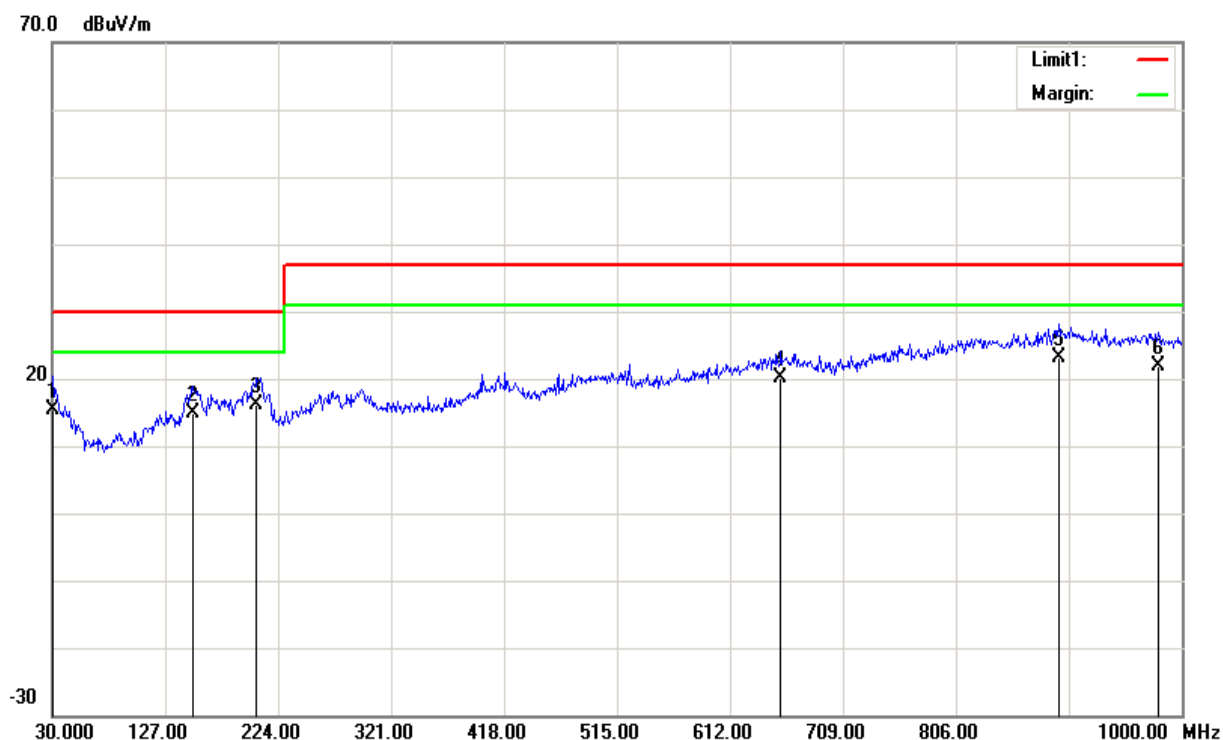
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:28:51
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 6



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	29.67	-11.65	18.02	30.00	-11.98	100	1	QP
2	151.2500	27.95	-13.35	14.60	30.00	-15.40	200	269	QP
3	205.5700	29.97	-14.45	15.52	30.00	-14.48	300	359	QP
4	765.2600	23.72	-1.74	21.98	37.00	-15.02	400	184	QP
5	916.5800	22.62	0.43	23.05	37.00	-13.95	100	184	QP
6	971.8700	22.68	1.49	24.17	37.00	-12.83	200	197	QP

**Note:** 1. The other emission levels were very low against the limit.

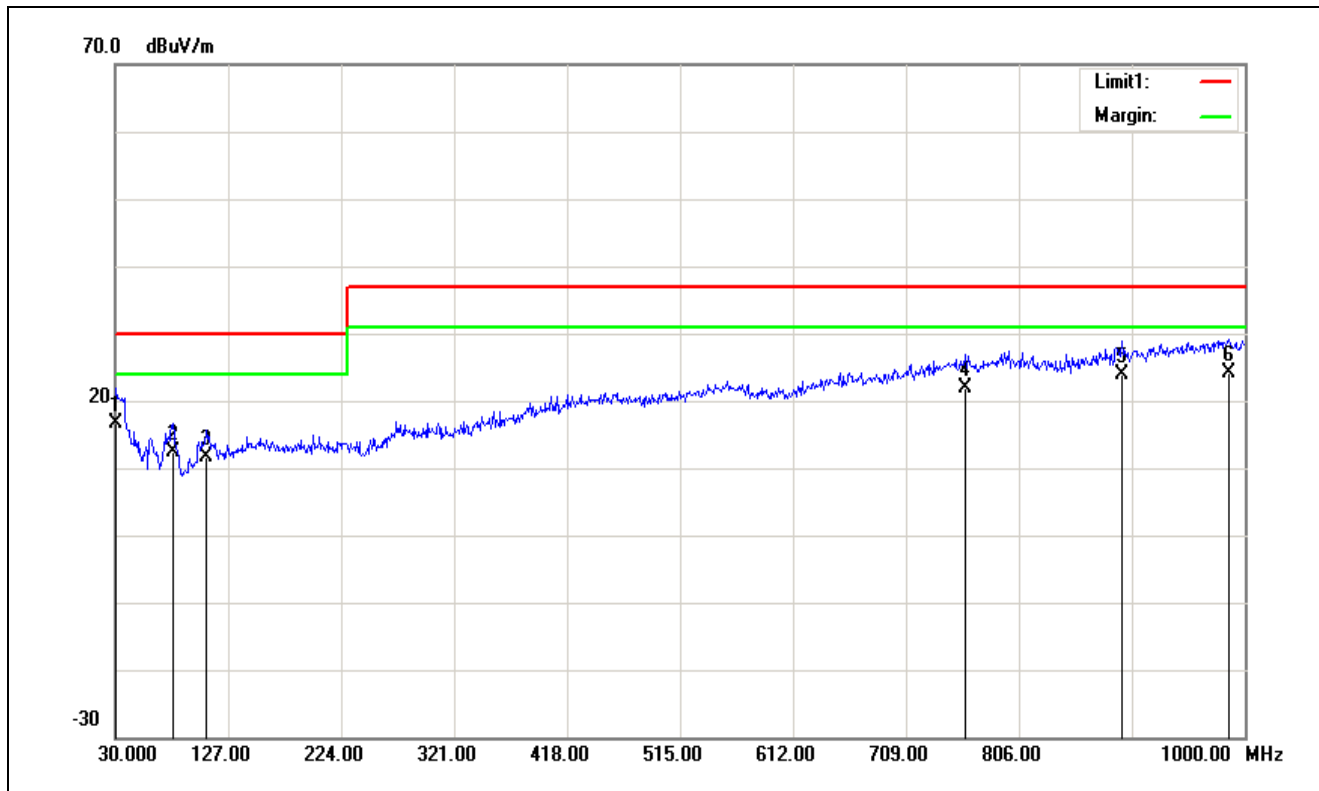
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:28:49
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 6



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	20.60	-5.27	15.33	30.00	-14.67	100	47	QP
2	150.2800	27.49	-12.59	14.90	30.00	-15.10	400	135	QP
3	205.5700	29.24	-13.04	16.20	30.00	-13.80	400	359	QP
4	655.6500	22.41	-2.20	20.21	37.00	-16.79	100	283	QP
5	894.2700	20.93	2.14	23.07	37.00	-13.93	100	161	QP
6	979.6300	20.49	1.30	21.79	37.00	-15.21	400	258	QP

**Note:** 1. The other emission levels were very low against the limit.

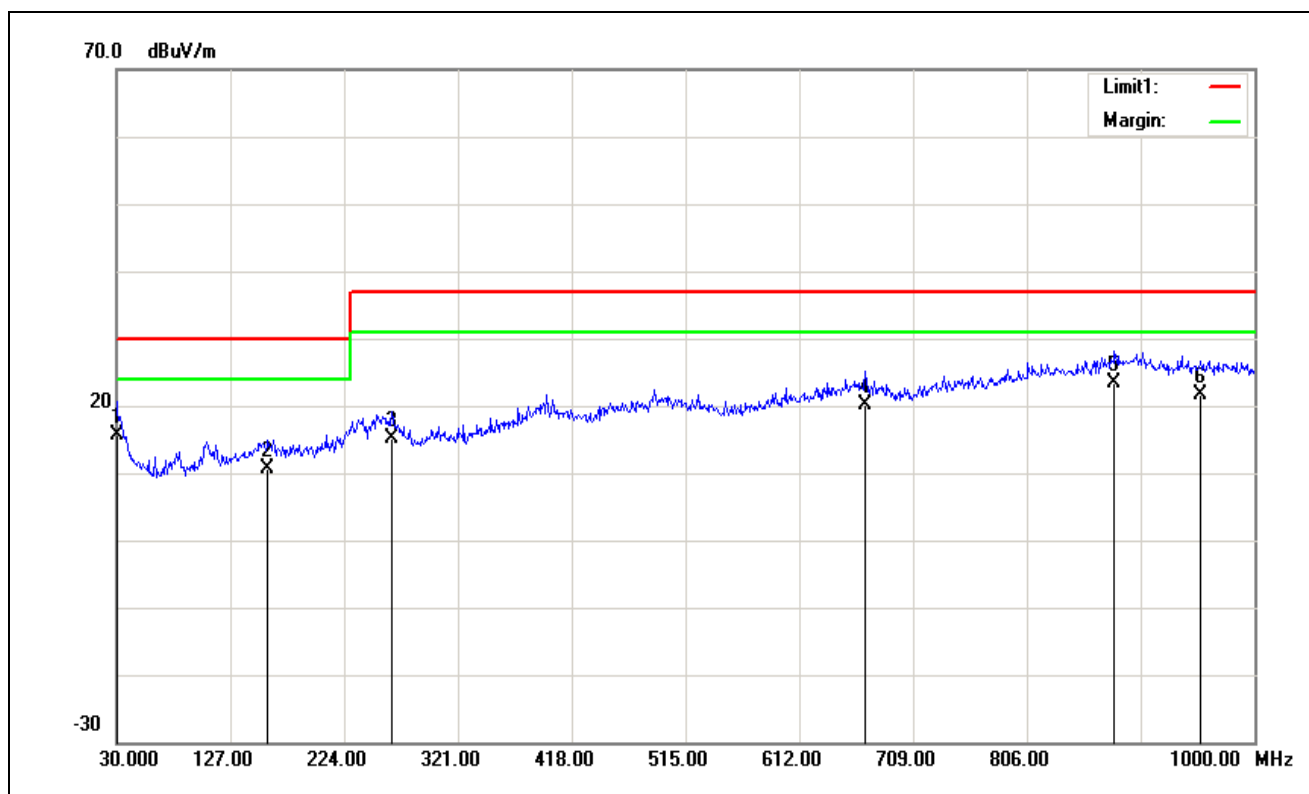
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:14:17:10
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 7



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.60	-7.01	16.59	30.00	-13.41	200	0	QP
2	79.4700	30.96	-18.51	12.45	30.00	-17.55	100	194	QP
3	108.5700	28.40	-16.74	11.66	30.00	-18.34	100	353	QP
4	760.4100	23.69	-1.76	21.93	37.00	-15.07	400	358	QP
5	894.2700	23.85	-0.08	23.77	37.00	-13.23	100	148	QP
6	986.4200	22.33	1.77	24.10	37.00	-12.90	400	58	QP

**Note:** 1. The other emission levels were very low against the limit.

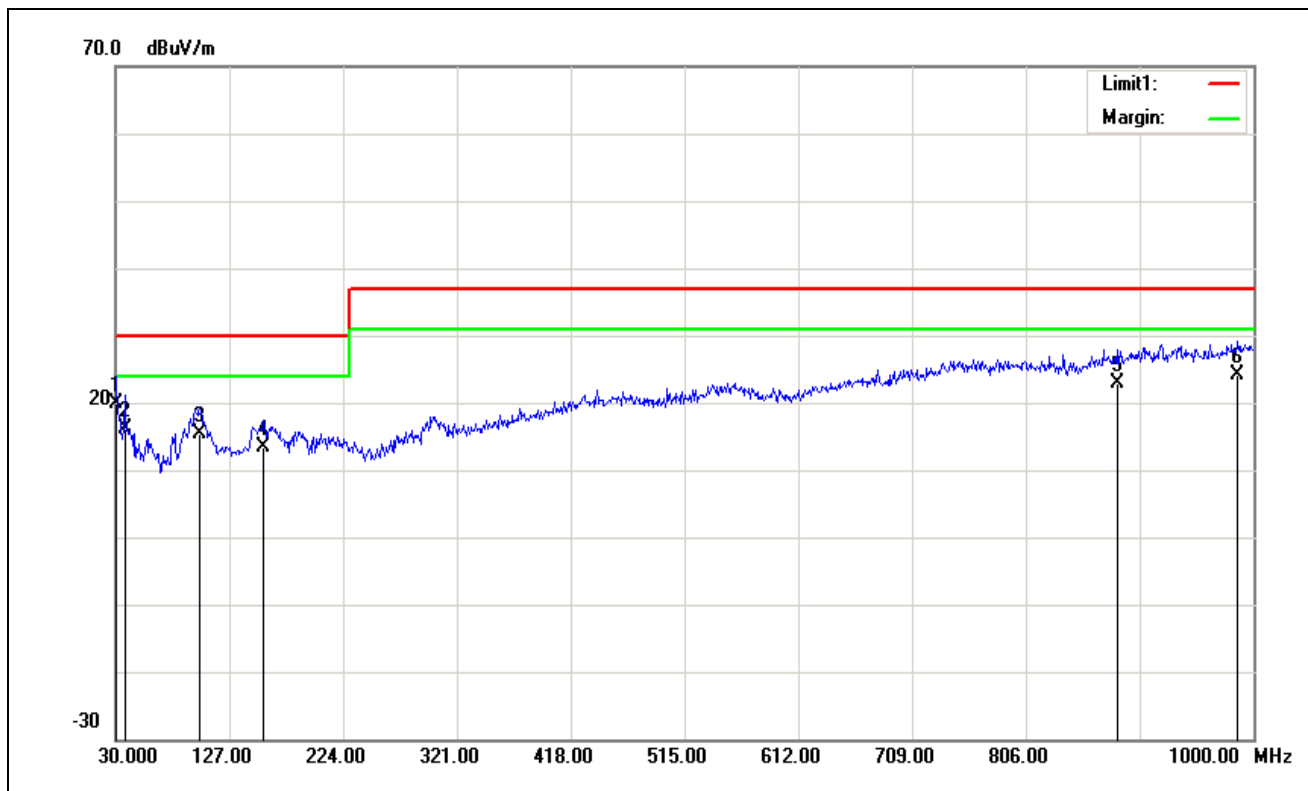
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:14:17:08
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 7



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.31	-4.71	15.60	30.00	-14.40	300	185	QP
2	159.0100	23.42	-12.68	10.74	30.00	-19.26	400	308	QP
3	264.7400	27.22	-12.11	15.11	37.00	-21.89	300	88	QP
4	668.2600	22.49	-2.33	20.16	37.00	-16.84	100	298	QP
5	880.6900	21.44	1.88	23.32	37.00	-13.68	100	99	QP
6	954.4100	20.21	1.53	21.74	37.00	-15.26	300	359	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:00:16
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 8

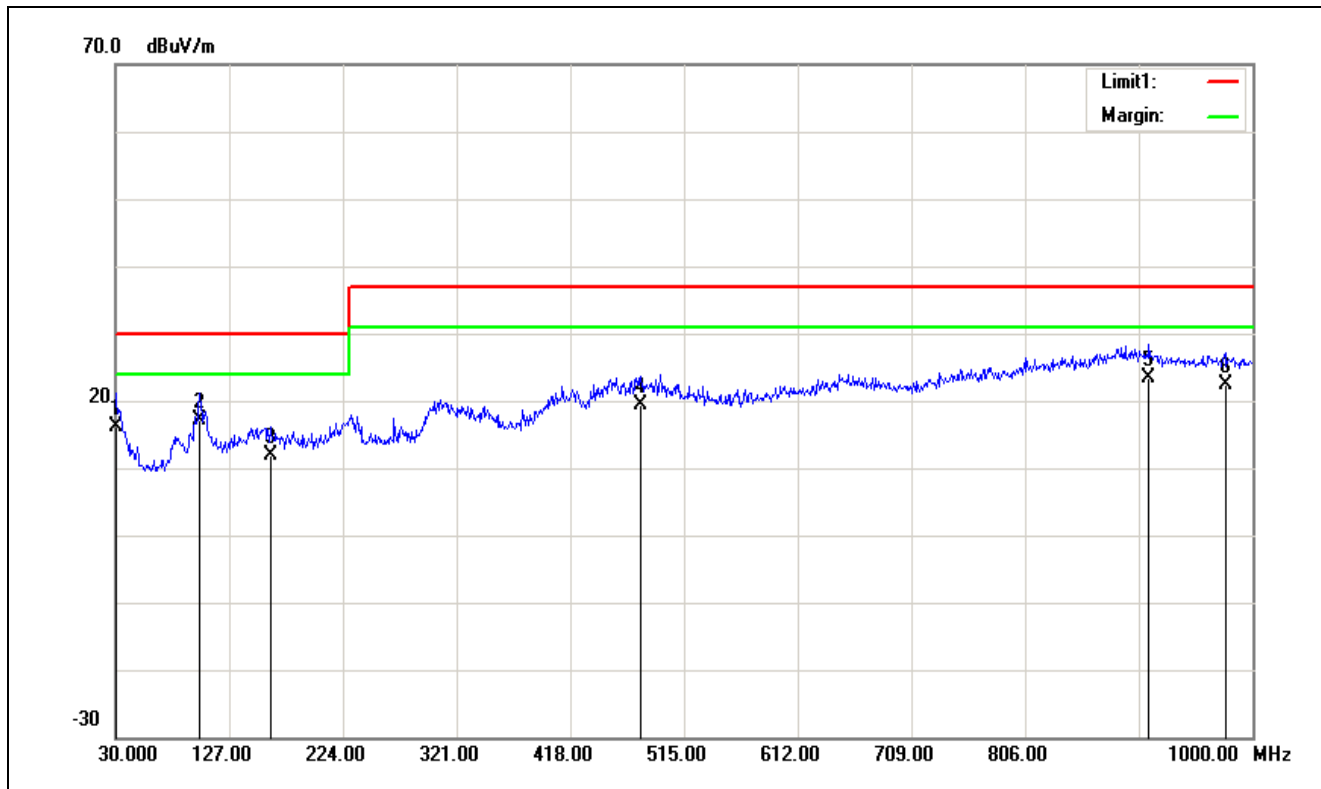


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	26.14	-6.35	19.79	30.00	-10.21	100	134	QP
2	37.7600	27.73	-11.65	16.08	30.00	-13.92	100	121	QP
3	101.7800	32.65	-17.30	15.35	30.00	-14.65	200	282	QP
4	156.1000	26.75	-13.45	13.30	30.00	-16.70	300	63	QP
5	883.6000	23.40	-0.45	22.95	37.00	-14.05	300	113	QP
6	986.4200	22.30	1.77	24.07	37.00	-12.93	300	13	QP

**Note:** 1. The other emission levels were very low against the limit.



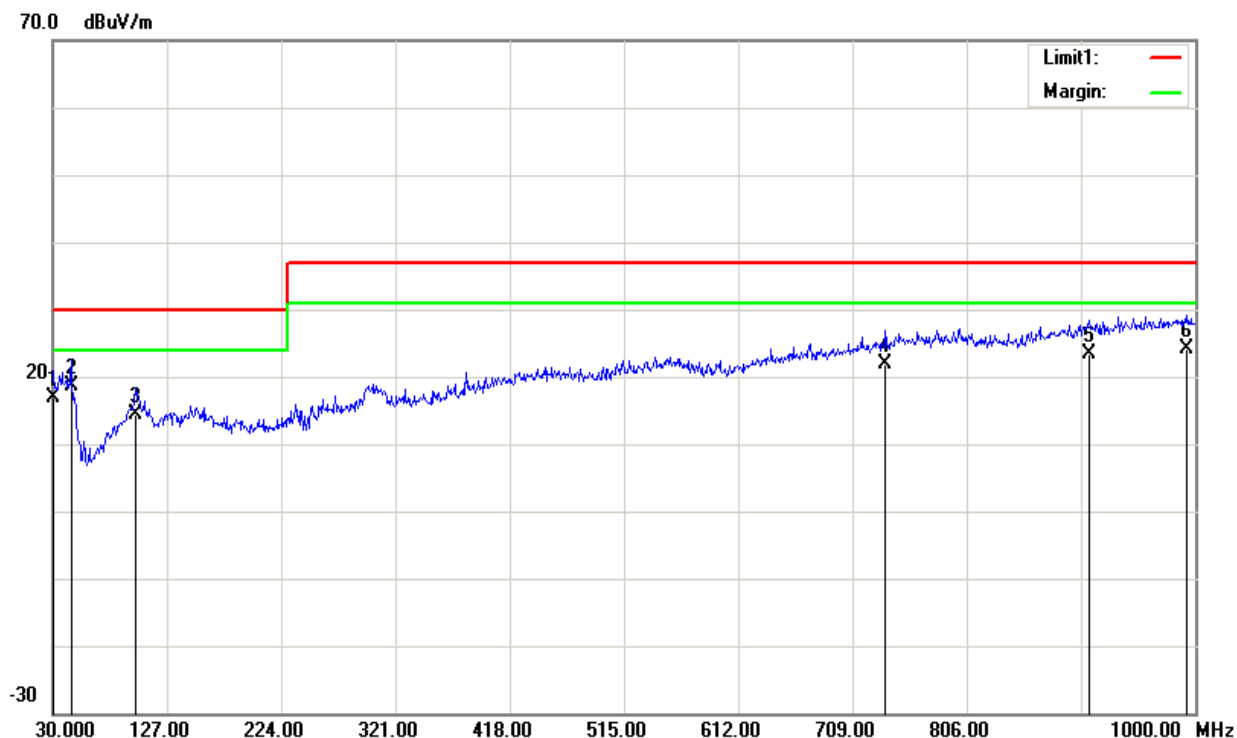
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:00:14
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 8



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.78	-4.71	16.07	30.00	-13.93	400	90	QP
2	101.7800	31.68	-14.59	17.09	30.00	-12.91	400	275	QP
3	161.9200	24.61	-12.70	11.91	30.00	-18.09	400	61	QP
4	478.1400	25.14	-5.86	19.28	37.00	-17.72	200	300	QP
5	911.7300	21.24	2.09	23.33	37.00	-13.67	100	249	QP
6	976.7200	21.08	1.33	22.41	37.00	-14.59	100	73	QP

**Note:** 1. The other emission levels were very low against the limit.

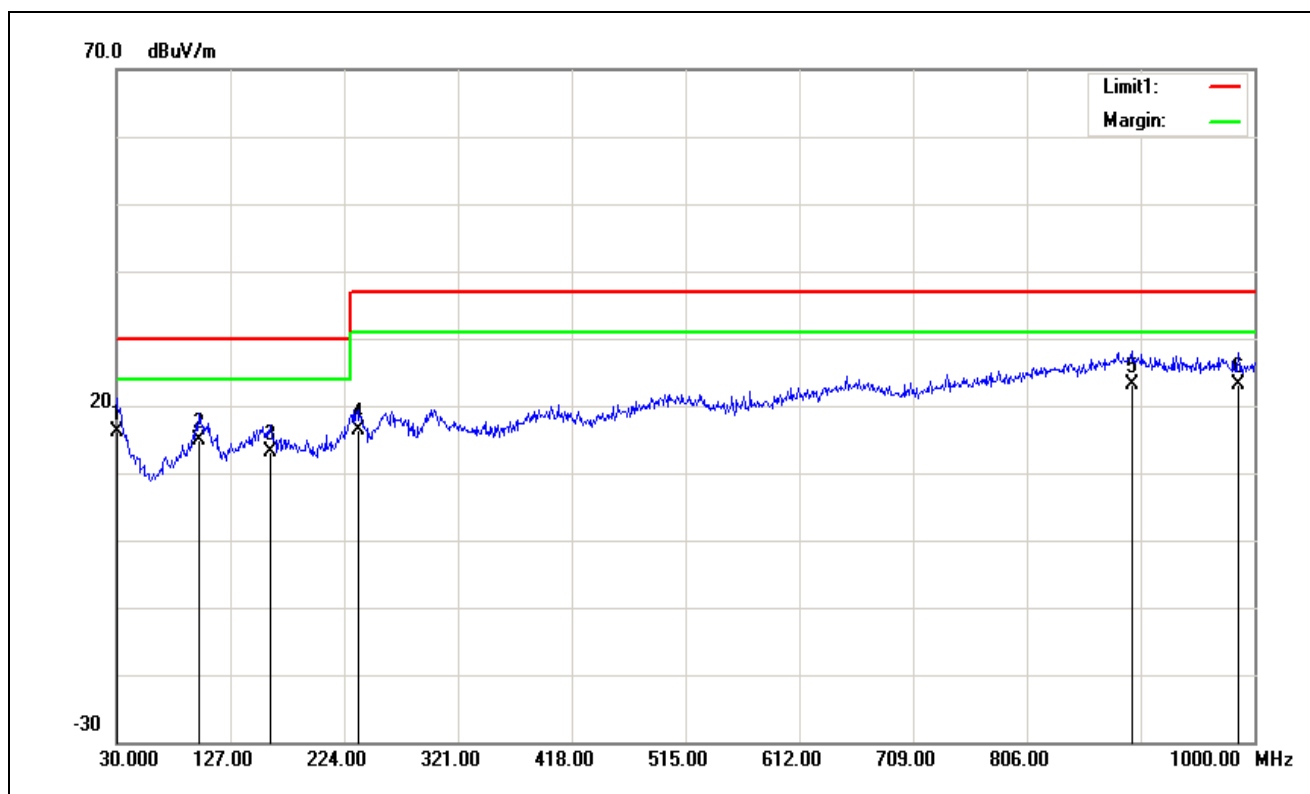
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:25:54
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 9



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.18	-6.35	16.83	30.00	-13.17	100	193	QP
2	45.5200	35.66	-16.96	18.70	30.00	-11.30	100	247	QP
3	100.8100	31.82	-17.38	14.44	30.00	-15.56	400	288	QP
4	737.1300	24.22	-2.23	21.99	37.00	-15.01	200	226	QP
5	909.7900	23.13	0.30	23.43	37.00	-13.57	100	137	QP
6	992.2400	22.23	1.88	24.11	37.00	-12.89	200	2	QP

**Note:** 1. The other emission levels were very low against the limit.

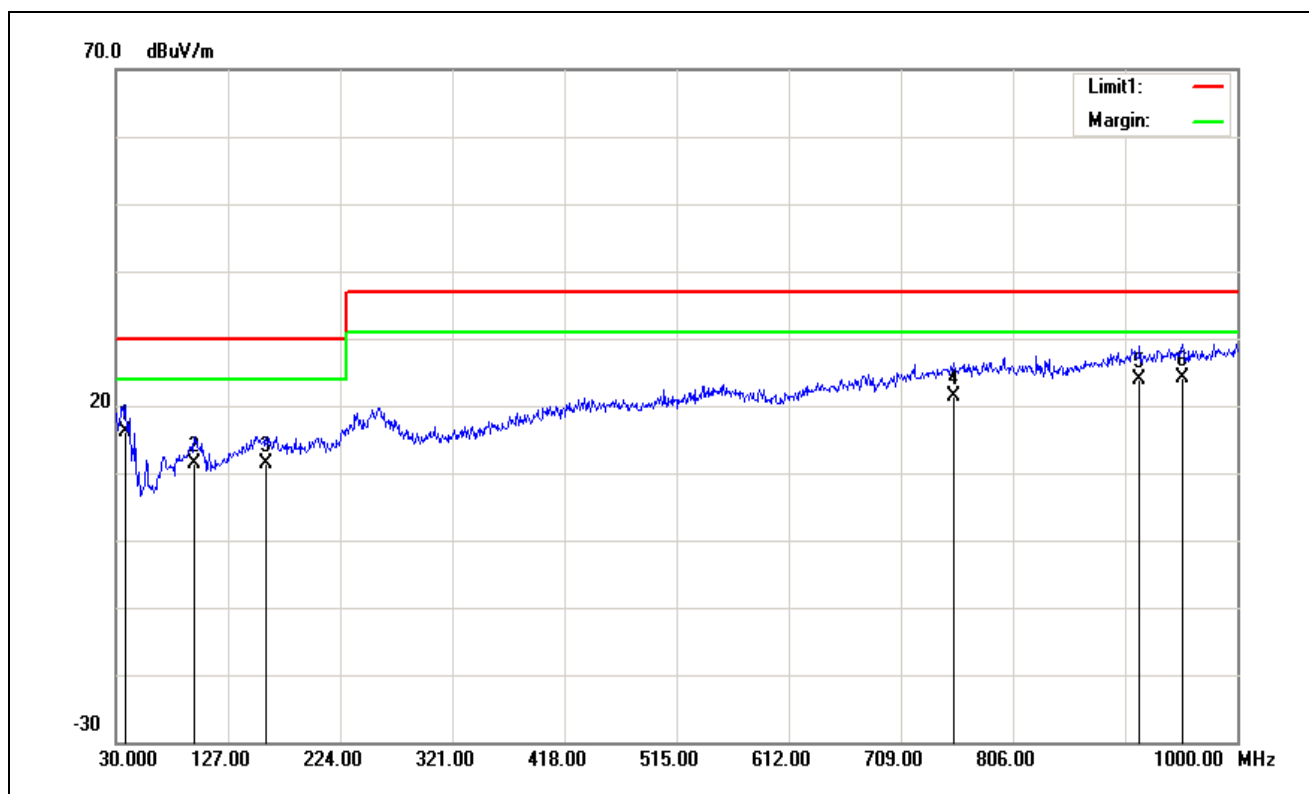
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:25:53
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 9



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.82	-4.71	16.11	30.00	-13.89	300	253	QP
2	100.8100	29.43	-14.63	14.80	30.00	-15.20	400	297	QP
3	160.9500	25.74	-12.70	13.04	30.00	-16.96	400	336	QP
4	235.6400	29.33	-12.89	16.44	37.00	-20.56	400	125	QP
5	895.2400	20.94	2.16	23.10	37.00	-13.90	300	139	QP
6	986.4200	21.79	1.24	23.03	37.00	-13.97	300	288	QP

**Note:** 1. The other emission levels were very low against the limit.

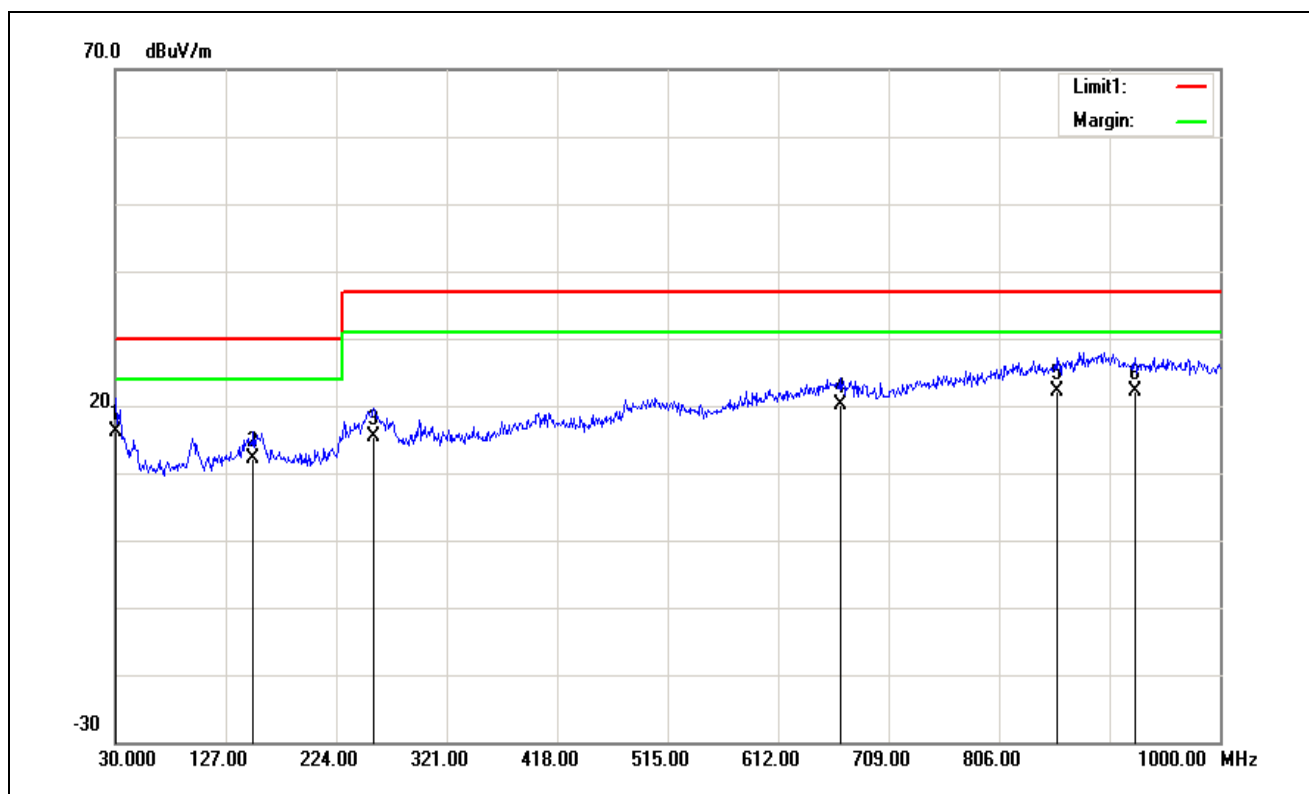
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:09:04
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 10



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	27.67	-11.65	16.02	30.00	-13.98	100	33	QP
2	97.9000	29.06	-17.56	11.50	30.00	-18.50	200	292	QP
3	159.9800	24.95	-13.53	11.42	30.00	-18.58	200	358	QP
4	754.5900	23.23	-1.80	21.43	37.00	-15.57	200	245	QP
5	915.6100	23.46	0.41	23.87	37.00	-13.13	100	41	QP
6	952.4700	22.96	1.12	24.08	37.00	-12.92	400	361	QP

**Note:** 1. The other emission levels were very low against the limit.

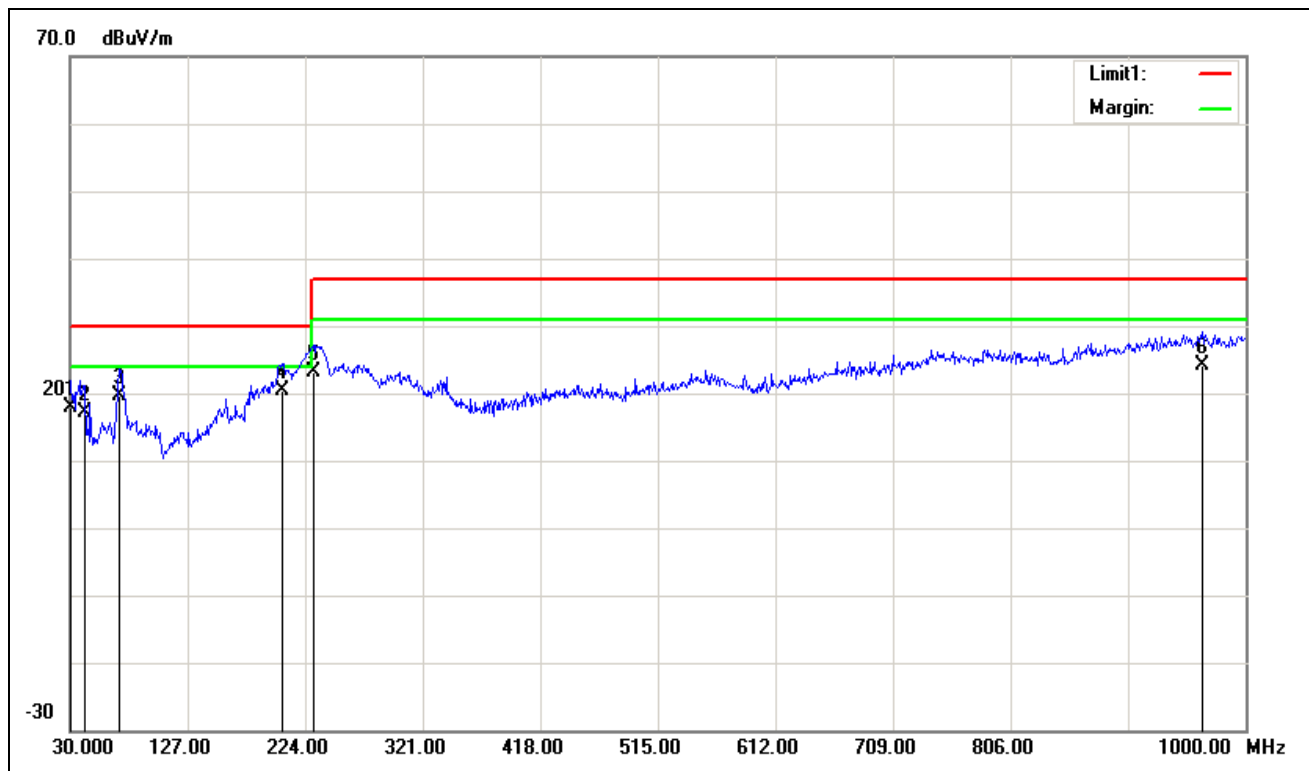
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:09:02
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 10



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.81	-4.71	16.10	30.00	-13.90	400	244	QP
2	151.2500	24.78	-12.60	12.18	30.00	-17.82	400	99	QP
3	256.9800	27.98	-12.48	15.50	37.00	-21.50	400	65	QP
4	666.3200	22.44	-2.31	20.13	37.00	-16.87	400	39	QP
5	856.4400	20.73	1.41	22.14	37.00	-14.86	300	191	QP
6	925.3100	20.30	1.91	22.21	37.00	-14.79	400	331	QP

**Note:** 1. The other emission levels were very low against the limit.

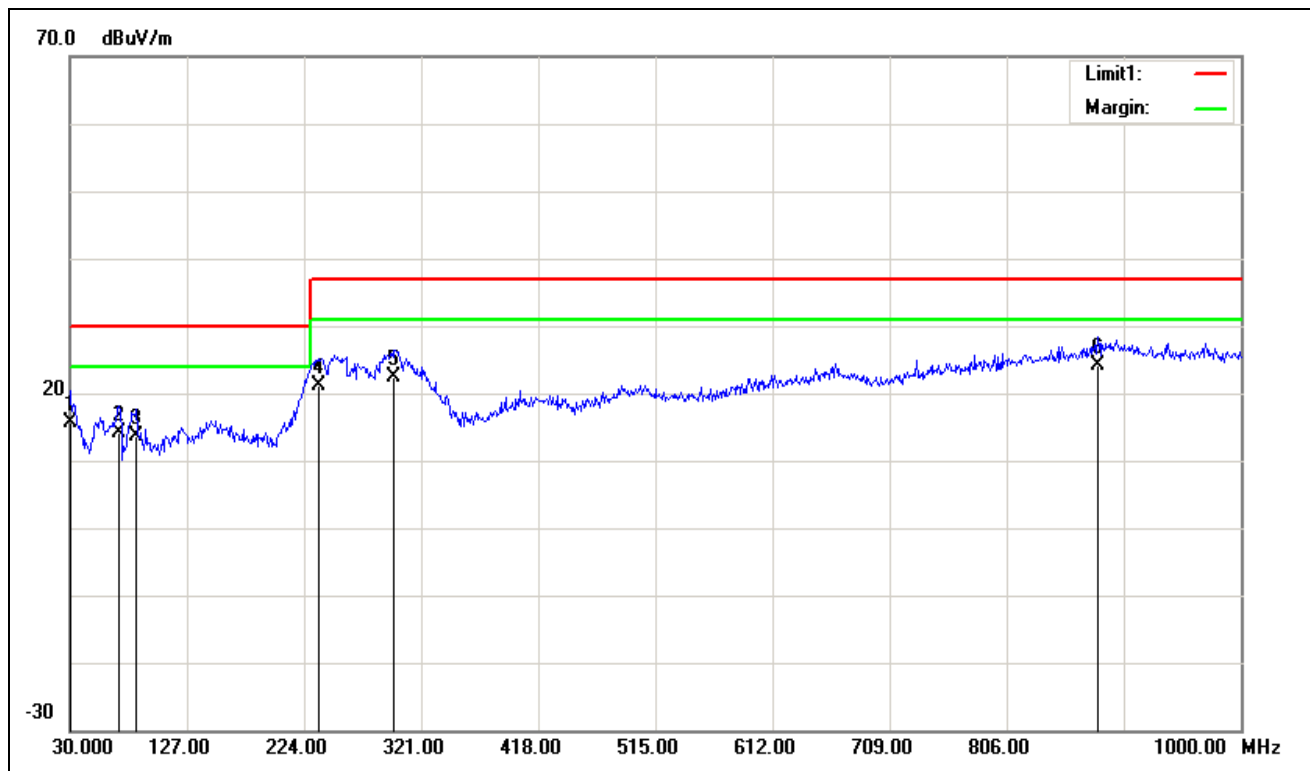
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:48:10
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 11



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	24.26	-6.35	17.91	30.00	-12.09	100	98	QP
2	41.6400	31.54	-14.31	17.23	30.00	-12.77	100	102	QP
3	70.7400	38.49	-18.95	19.54	30.00	-10.46	100	276	QP
4	204.6000	34.89	-14.44	20.45	30.00	-9.55	100	10	QP
5	230.7900	37.96	-14.73	23.23	37.00	-13.77	100	144	QP
6	964.1100	22.80	1.34	24.14	37.00	-12.86	100	352	QP

**Note:** 1. The other emission levels were very low against the limit.

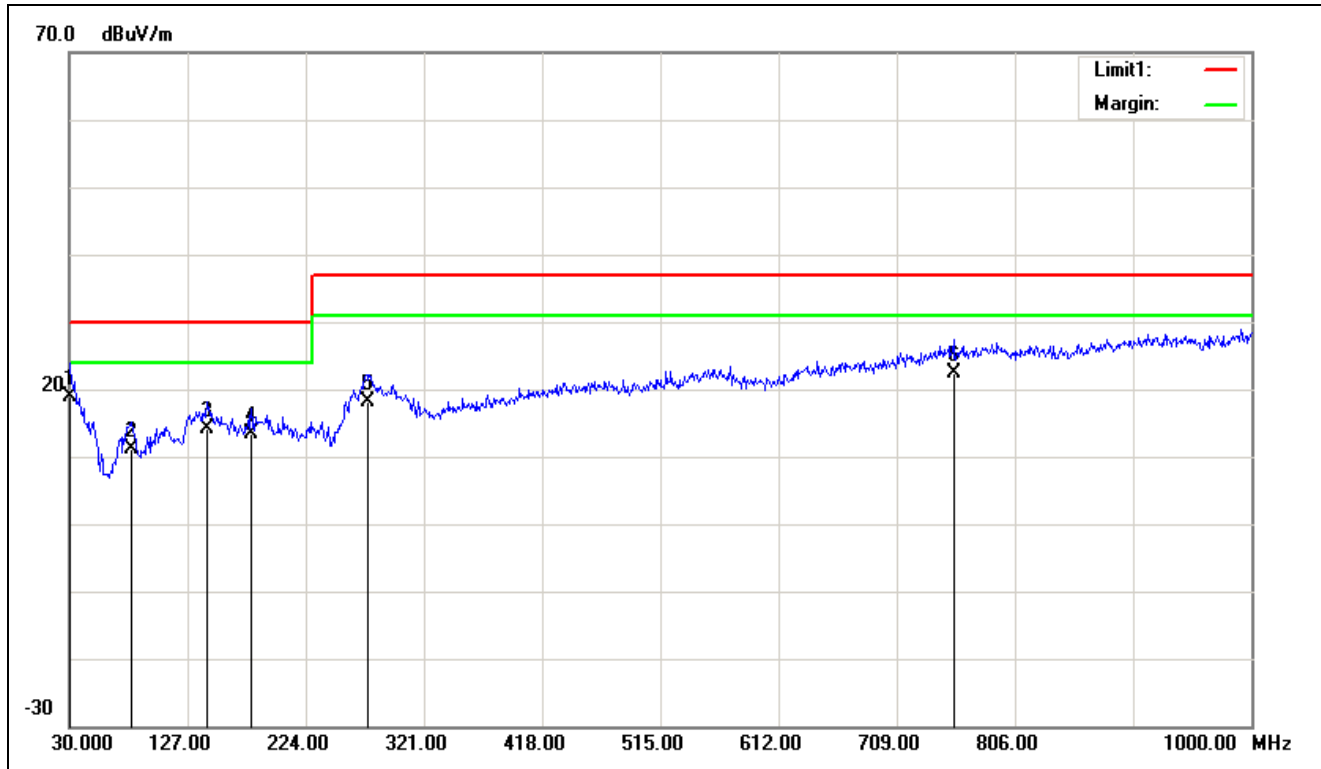
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:48:08
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 11



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.34	-4.71	15.63	30.00	-14.37	400	95	QP
2	70.7400	29.72	-15.54	14.18	30.00	-15.82	400	171	QP
3	85.2900	28.67	-15.10	13.57	30.00	-16.43	400	350	QP
4	236.6100	33.93	-12.89	21.04	37.00	-15.96	400	95	QP
5	298.6900	32.85	-10.47	22.38	37.00	-14.62	300	81	QP
6	881.6600	22.13	1.90	24.03	37.00	-12.97	300	50	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:39:33
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 12

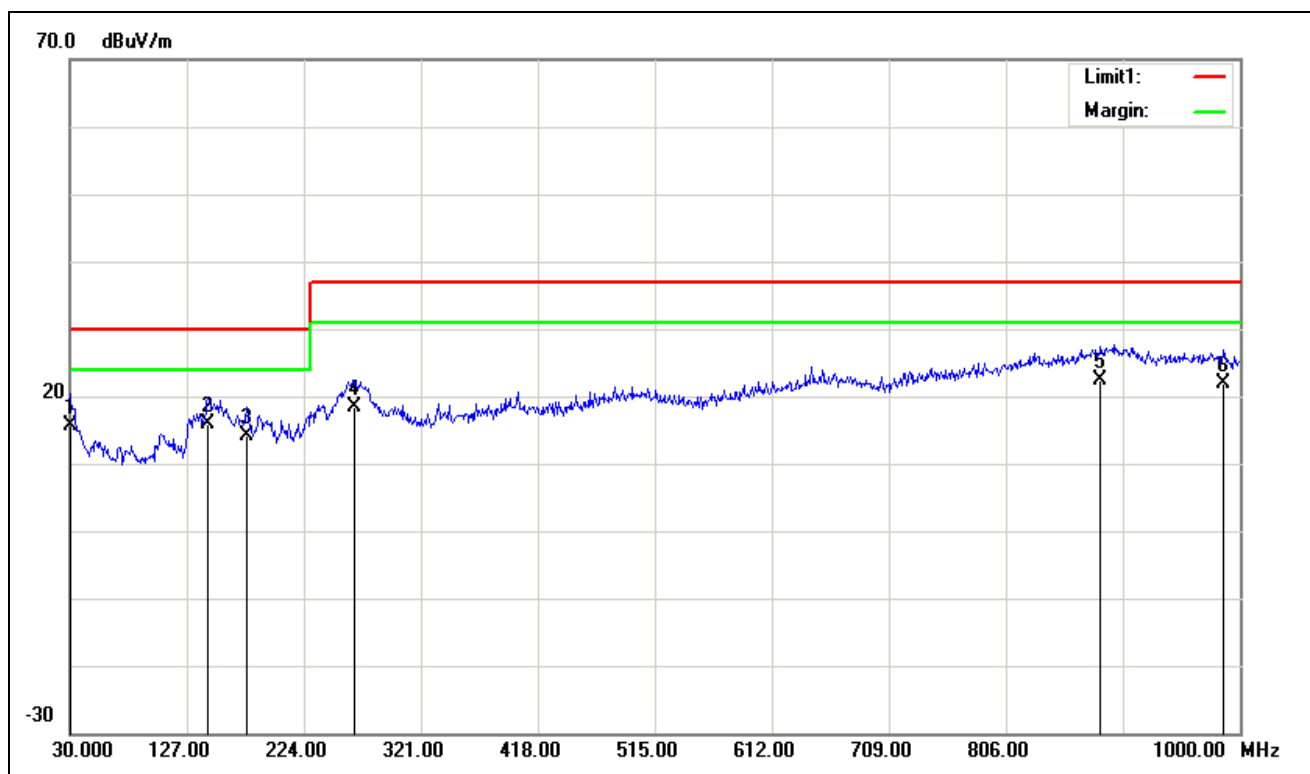


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	25.20	-6.35	18.85	30.00	-11.15	100	230	QP
2	80.4400	29.52	-18.46	11.06	30.00	-18.94	200	165	QP
3	142.5200	28.16	-13.94	14.22	30.00	-15.78	200	246	QP
4	179.3800	27.21	-13.95	13.26	30.00	-16.74	200	32	QP
5	274.4400	31.84	-13.64	18.20	37.00	-18.80	100	179	QP
6	755.5600	24.12	-1.79	22.33	37.00	-14.67	200	155	QP

**Note:** 1. The other emission levels were very low against the limit.



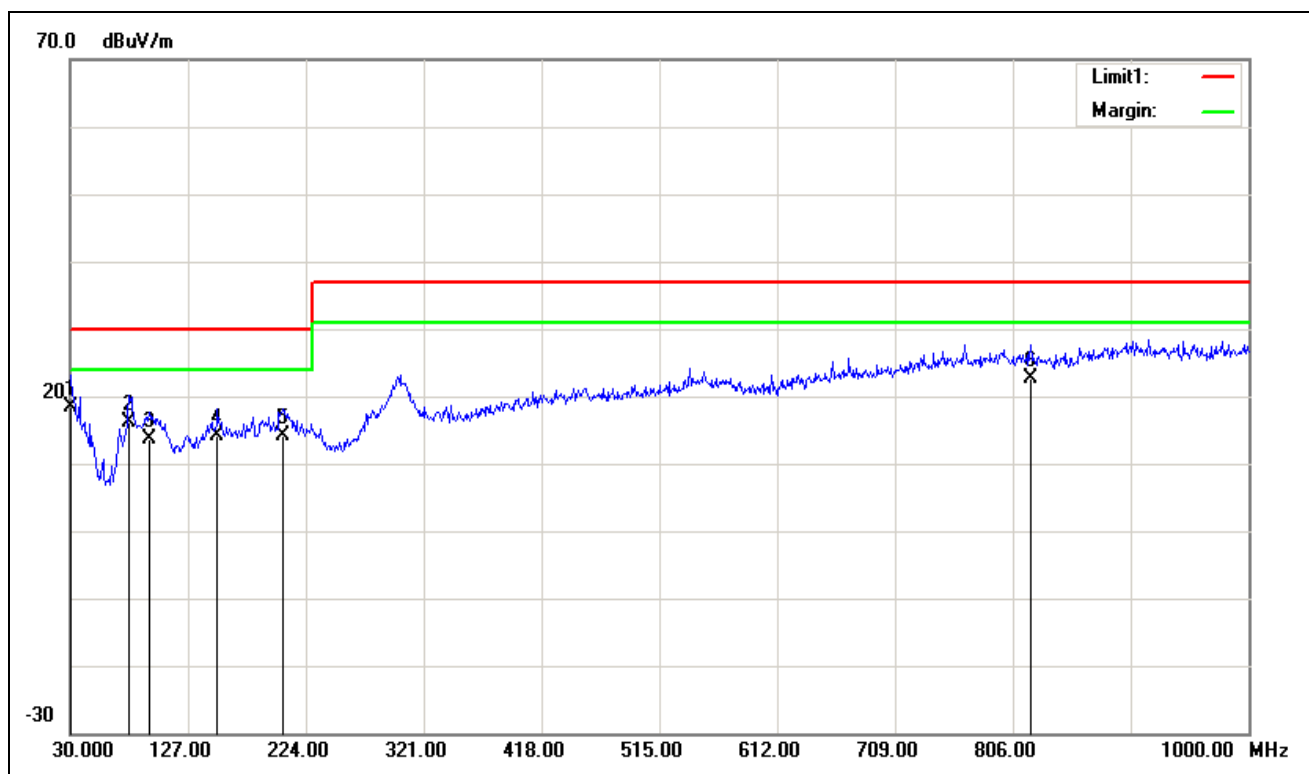
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:39:31
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 12



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.37	-4.71	15.66	30.00	-14.34	200	160	QP
2	144.4600	28.59	-12.82	15.77	30.00	-14.23	400	112	QP
3	176.4700	27.08	-12.84	14.24	30.00	-15.76	400	99	QP
4	265.7100	30.41	-12.06	18.35	37.00	-18.65	400	281	QP
5	884.5700	20.51	1.95	22.46	37.00	-14.54	300	5	QP
6	986.4200	20.59	1.24	21.83	37.00	-15.17	100	1	QP

**Note:** 1. The other emission levels were very low against the limit.

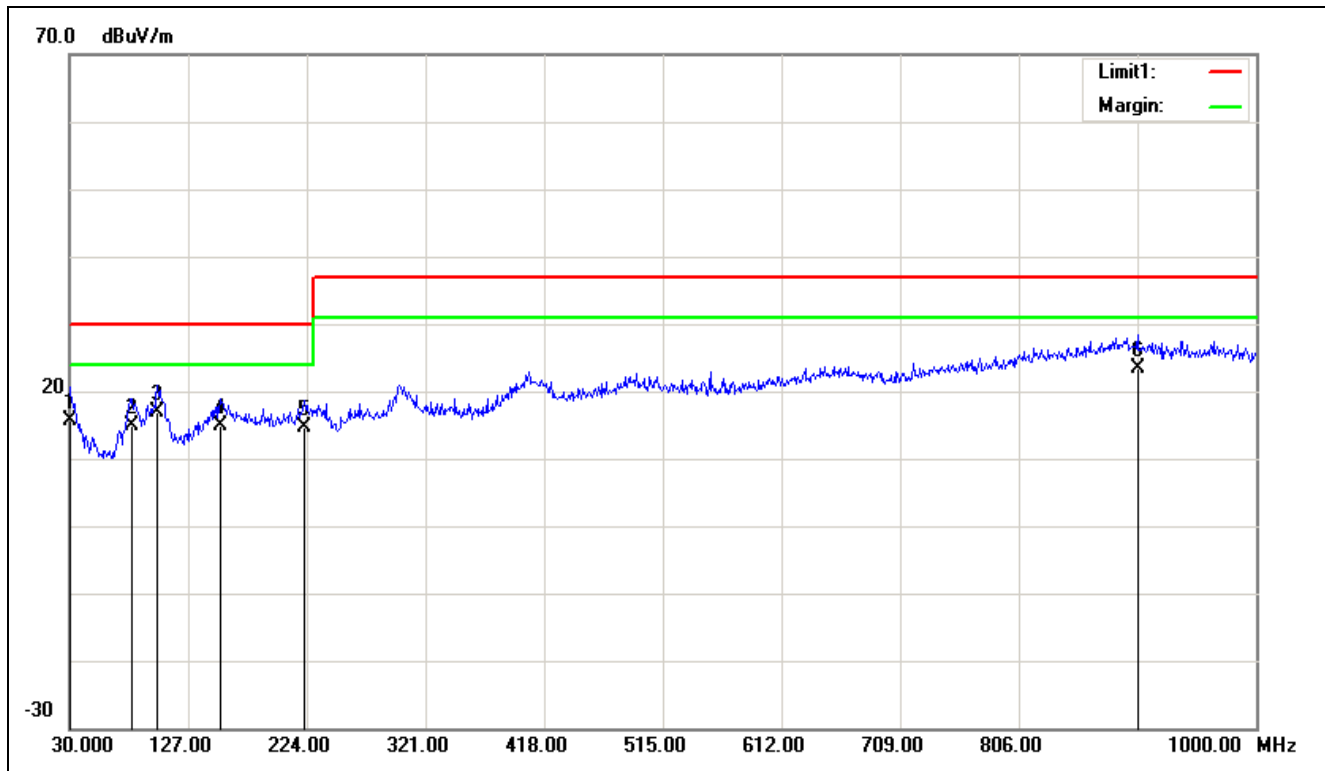
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:37:31
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 13



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	24.65	-6.35	18.30	30.00	-11.70	200	301	QP
2	78.5000	34.67	-18.56	16.11	30.00	-13.89	200	203	QP
3	94.9900	31.38	-17.71	13.67	30.00	-16.33	100	316	QP
4	151.2500	27.44	-13.35	14.09	30.00	-15.91	300	53	QP
5	205.5700	28.50	-14.45	14.05	30.00	-15.95	100	360	QP
6	820.5500	24.25	-1.57	22.68	37.00	-14.32	300	56	QP

**Note:** 1. The other emission levels were very low against the limit.

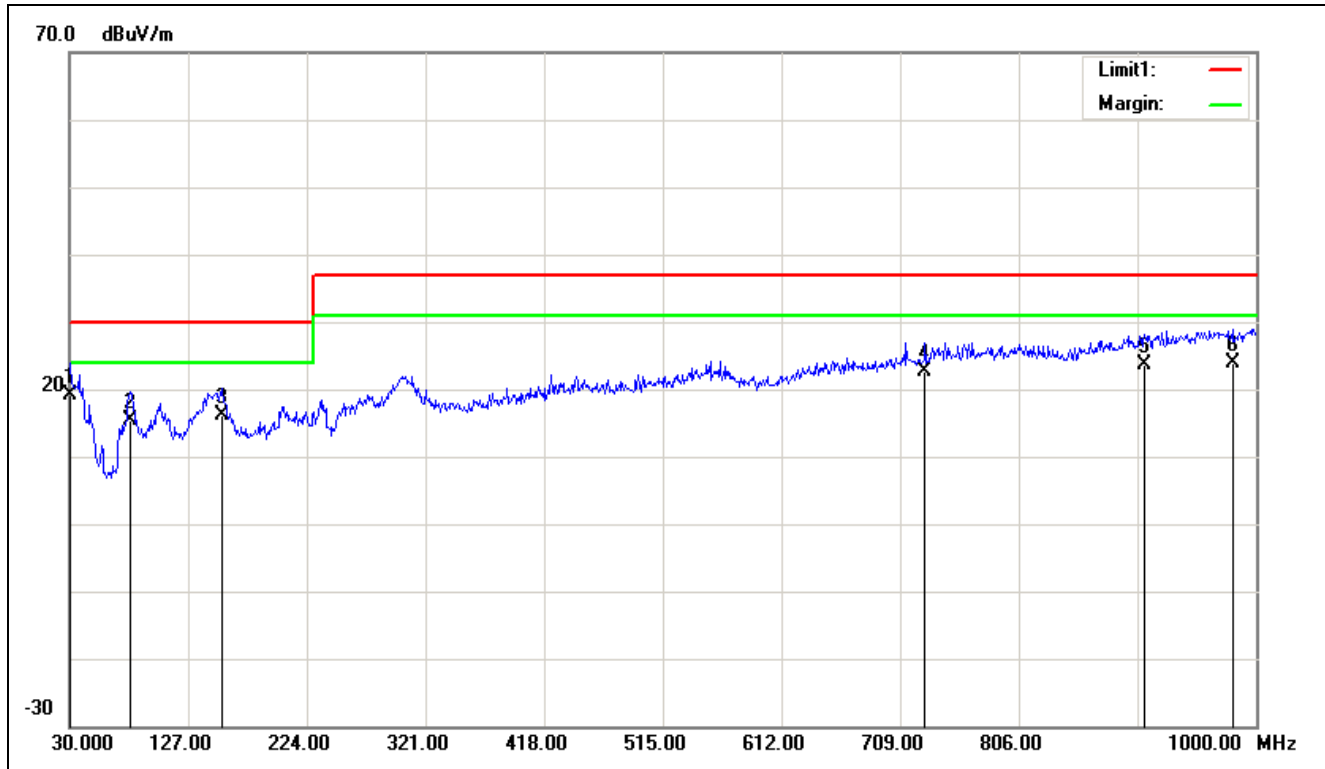
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:37:29
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 13



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.46	-4.71	15.75	30.00	-14.25	100	125	QP
2	81.4100	30.22	-15.22	15.00	30.00	-15.00	400	0	QP
3	101.7800	31.48	-14.59	16.89	30.00	-13.11	400	342	QP
4	153.1900	27.42	-12.62	14.80	30.00	-15.20	400	272	QP
5	222.0600	27.71	-12.96	14.75	30.00	-15.25	400	125	QP
6	903.0000	21.21	2.21	23.42	37.00	-13.58	100	1	QP

**Note:** 1. The other emission levels were very low against the limit.

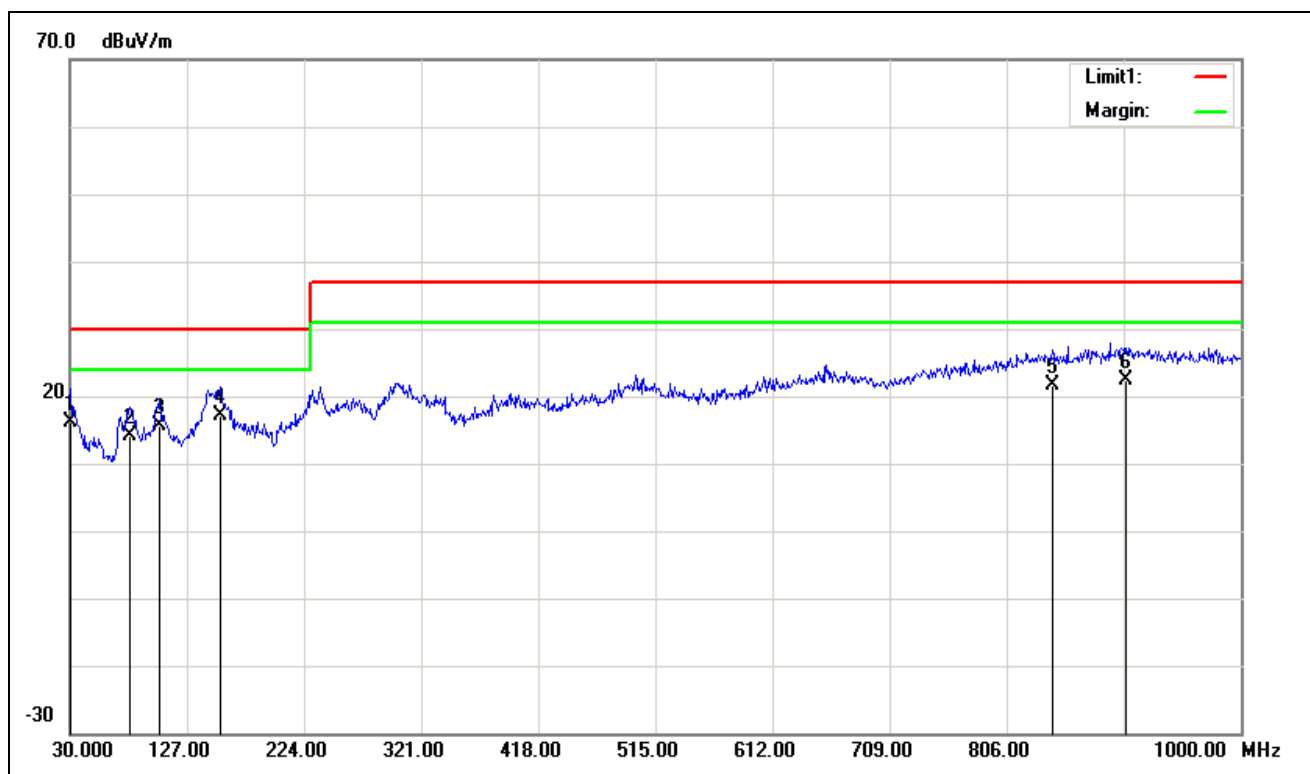
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:58:54
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 14



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	25.37	-6.35	19.02	30.00	-10.98	100	198	QP
2	79.4700	33.90	-18.51	15.39	30.00	-14.61	200	192	QP
3	154.1600	29.61	-13.41	16.20	30.00	-13.80	300	241	QP
4	729.3700	25.04	-2.48	22.56	37.00	-14.44	300	155	QP
5	908.8200	23.23	0.28	23.51	37.00	-13.49	100	198	QP
6	980.6000	22.22	1.66	23.88	37.00	-13.12	300	82	QP

**Note:** 1. The other emission levels were very low against the limit.

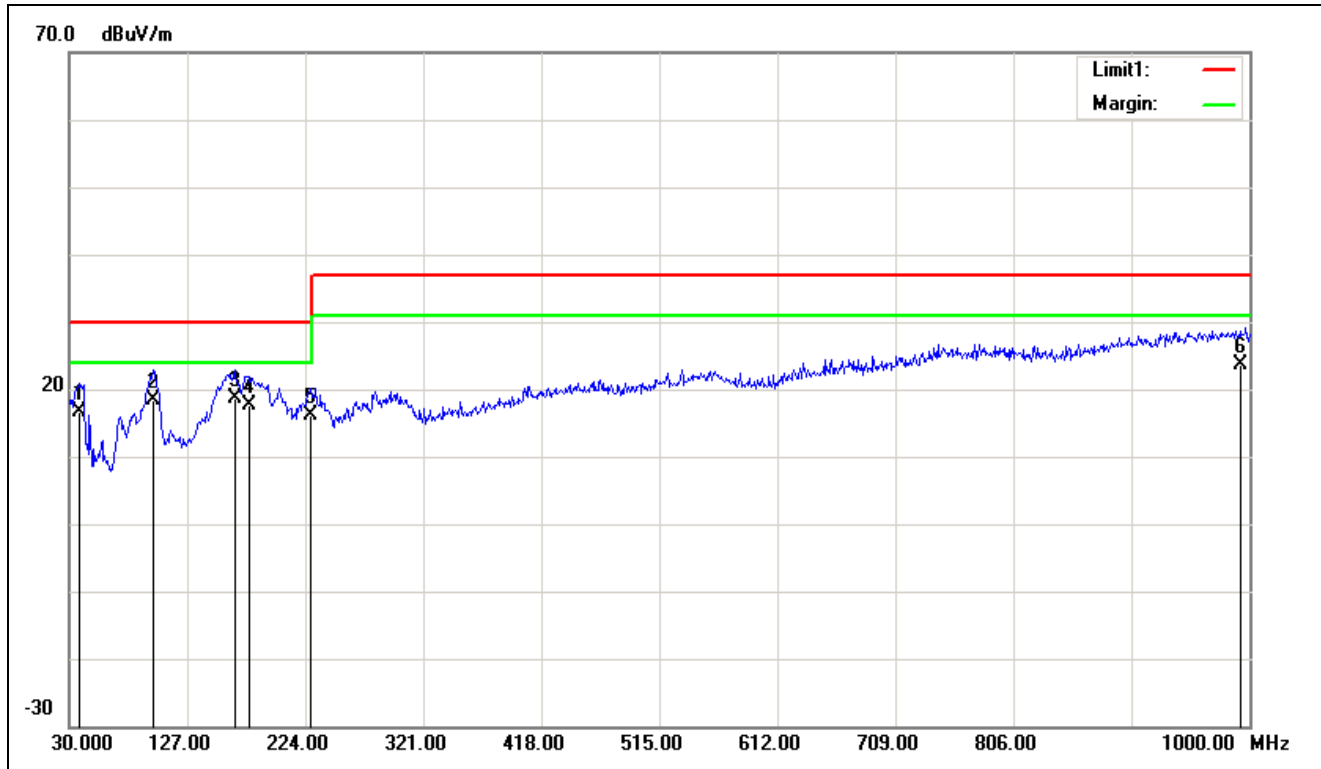
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:58:52
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 14



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.72	-4.71	16.01	30.00	-13.99	200	289	QP
2	79.4700	29.48	-15.28	14.20	30.00	-15.80	400	0	QP
3	104.6900	30.05	-14.47	15.58	30.00	-14.42	400	359	QP
4	155.1300	29.81	-12.64	17.17	30.00	-12.83	400	359	QP
5	843.8300	20.48	1.11	21.59	37.00	-15.41	100	18	QP
6	904.9400	20.09	2.18	22.27	37.00	-14.73	100	82	QP

**Note:** 1. The other emission levels were very low against the limit.

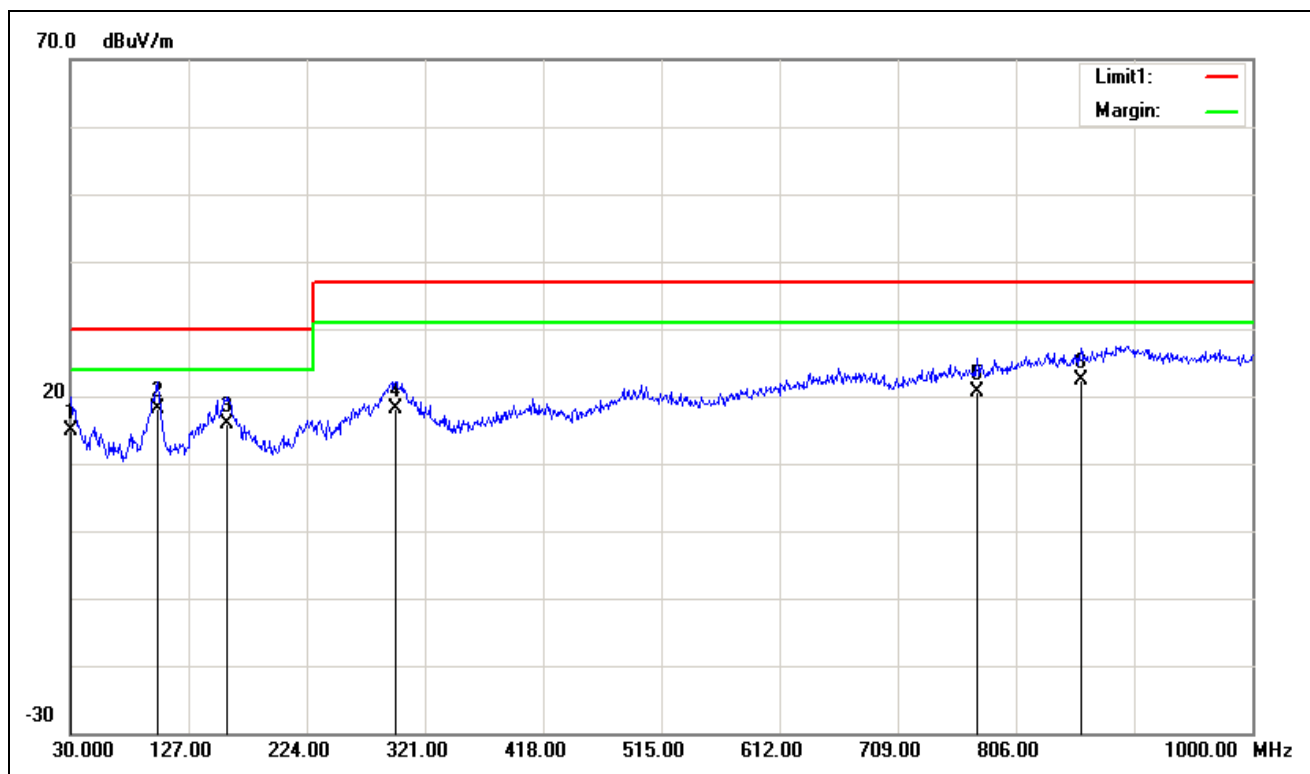
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:45:26
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 15



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	38.7300	29.02	-12.32	16.70	30.00	-13.30	300	125	QP
2	98.8700	35.99	-17.51	18.48	30.00	-11.52	200	305	QP
3	165.8000	32.36	-13.66	18.70	30.00	-11.30	100	1	QP
4	177.4400	31.60	-13.91	17.69	30.00	-12.31	200	199	QP
5	228.8500	30.86	-14.71	16.15	30.00	-13.85	200	144	QP
6	992.2400	21.76	1.88	23.64	37.00	-13.36	300	9	QP

**Note:** 1. The other emission levels were very low against the limit.

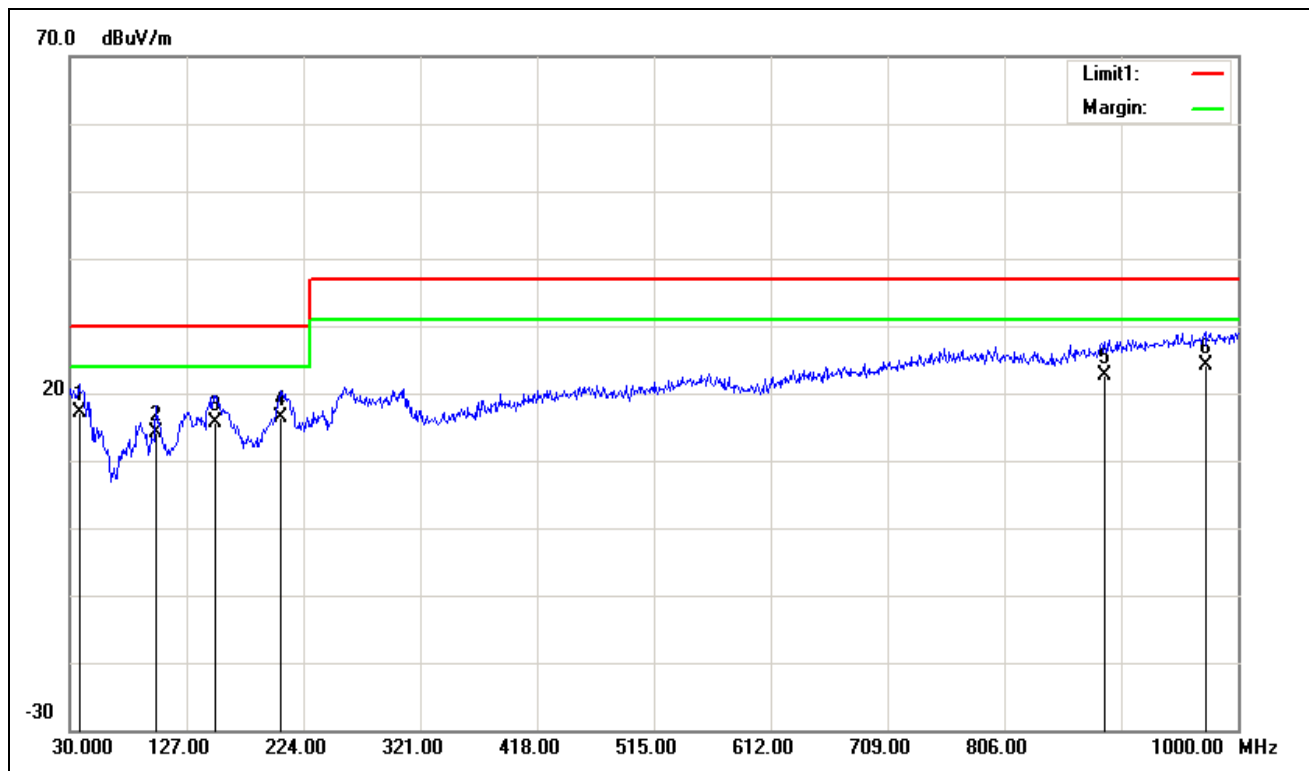
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:45:24
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 15



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	20.13	-5.27	14.86	30.00	-15.14	300	182	QP
2	101.7800	32.82	-14.59	18.23	30.00	-11.77	400	295	QP
3	159.0100	28.56	-12.68	15.88	30.00	-14.12	400	153	QP
4	296.7500	28.70	-10.57	18.13	37.00	-18.87	300	101	QP
5	773.9900	21.43	-0.78	20.65	37.00	-16.35	100	246	QP
6	859.3500	20.82	1.47	22.29	37.00	-14.71	100	18	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:18:03
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 16

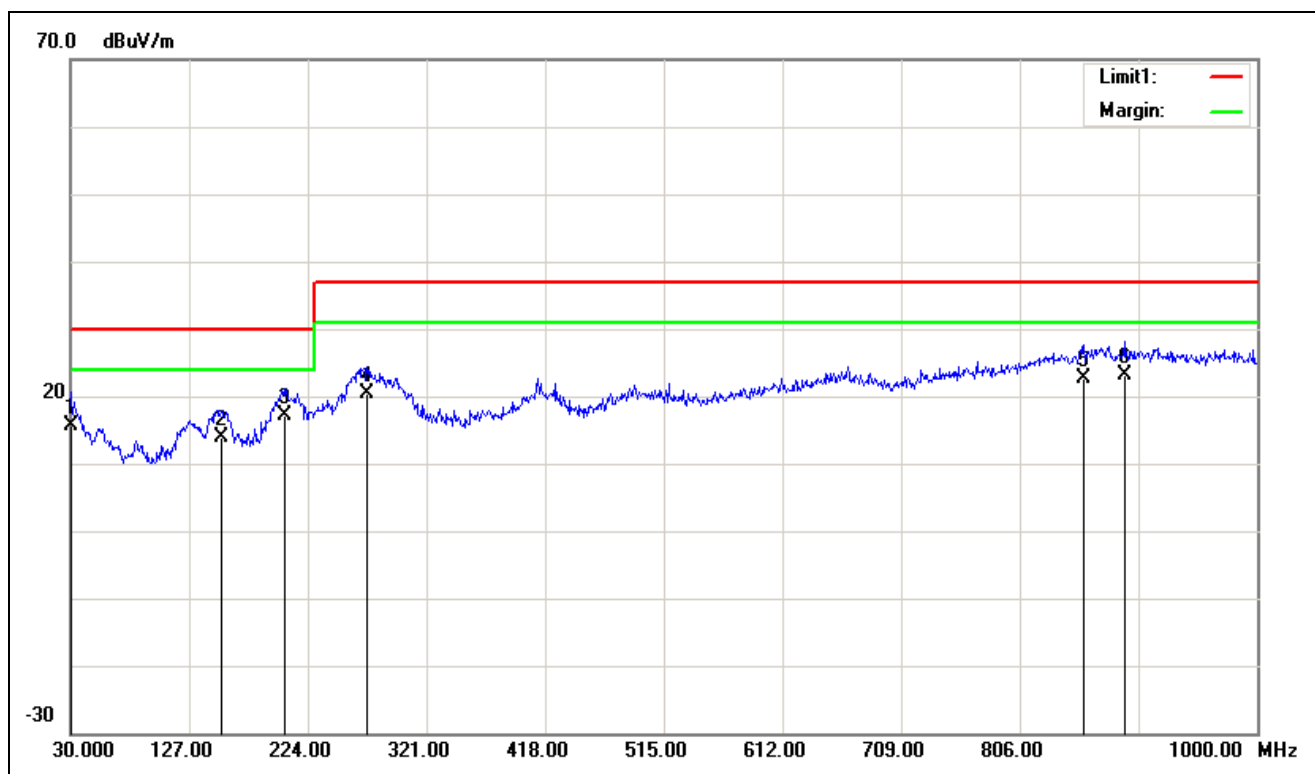


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	37.7600	28.81	-11.65	17.16	30.00	-12.84	100	257	QP
2	101.7800	31.53	-17.30	14.23	30.00	-15.77	100	294	QP
3	151.2500	29.09	-13.35	15.74	30.00	-14.26	200	269	QP
4	204.6000	30.89	-14.44	16.45	30.00	-13.55	100	79	QP
5	889.4200	22.85	-0.25	22.60	37.00	-14.40	100	64	QP
6	972.8400	22.57	1.51	24.08	37.00	-12.92	300	210	QP

**Note:** 1. The other emission levels were very low against the limit.



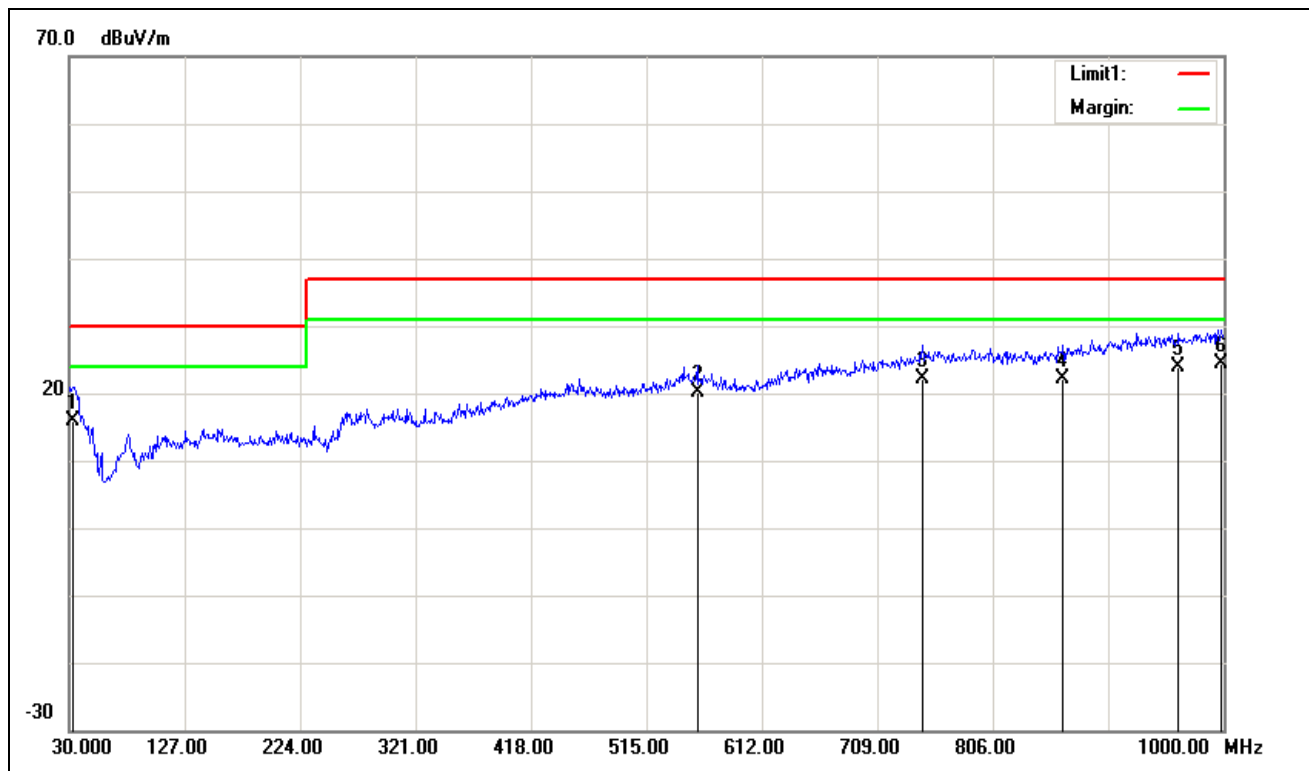
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:18:01
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 16



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.27	-4.71	15.56	30.00	-14.44	100	249	QP
2	153.1900	26.52	-12.62	13.90	30.00	-16.10	400	259	QP
3	205.5700	30.25	-13.04	17.21	30.00	-12.79	300	320	QP
4	272.5000	32.07	-11.74	20.33	37.00	-16.67	300	109	QP
5	858.3800	21.20	1.45	22.65	37.00	-14.35	300	210	QP
6	891.3600	21.11	2.08	23.19	37.00	-13.81	300	237	QP

**Note:** 1. The other emission levels were very low against the limit.

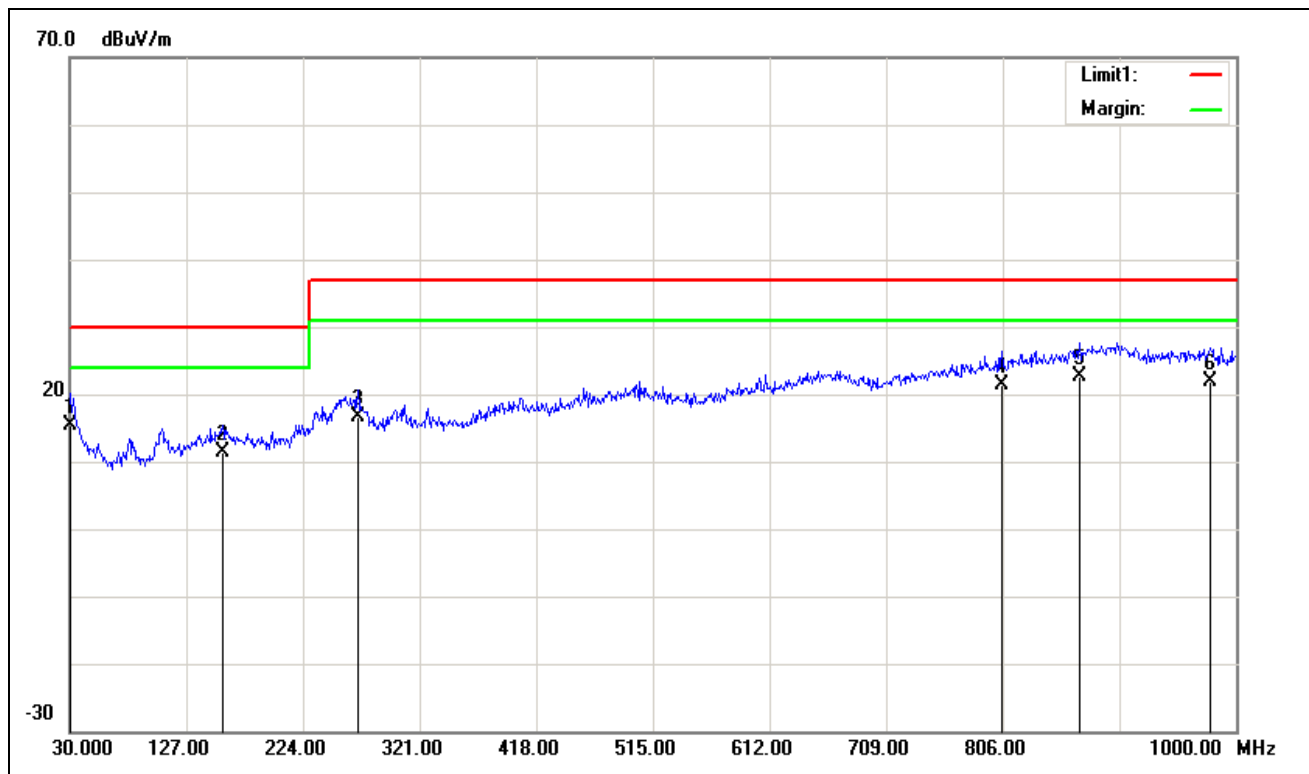
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:59:43
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 17



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	32.9100	24.13	-8.34	15.79	30.00	-14.21	100	1	QP
2	557.6800	25.20	-5.19	20.01	37.00	-16.99	300	133	QP
3	746.8300	24.04	-1.92	22.12	37.00	-14.88	300	0	QP
4	865.1700	23.20	-1.07	22.13	37.00	-14.87	100	230	QP
5	962.1700	22.64	1.30	23.94	37.00	-13.06	300	105	QP
6	998.0600	22.31	1.99	24.30	37.00	-12.70	200	126	QP

**Note:** 1. The other emission levels were very low against the limit.

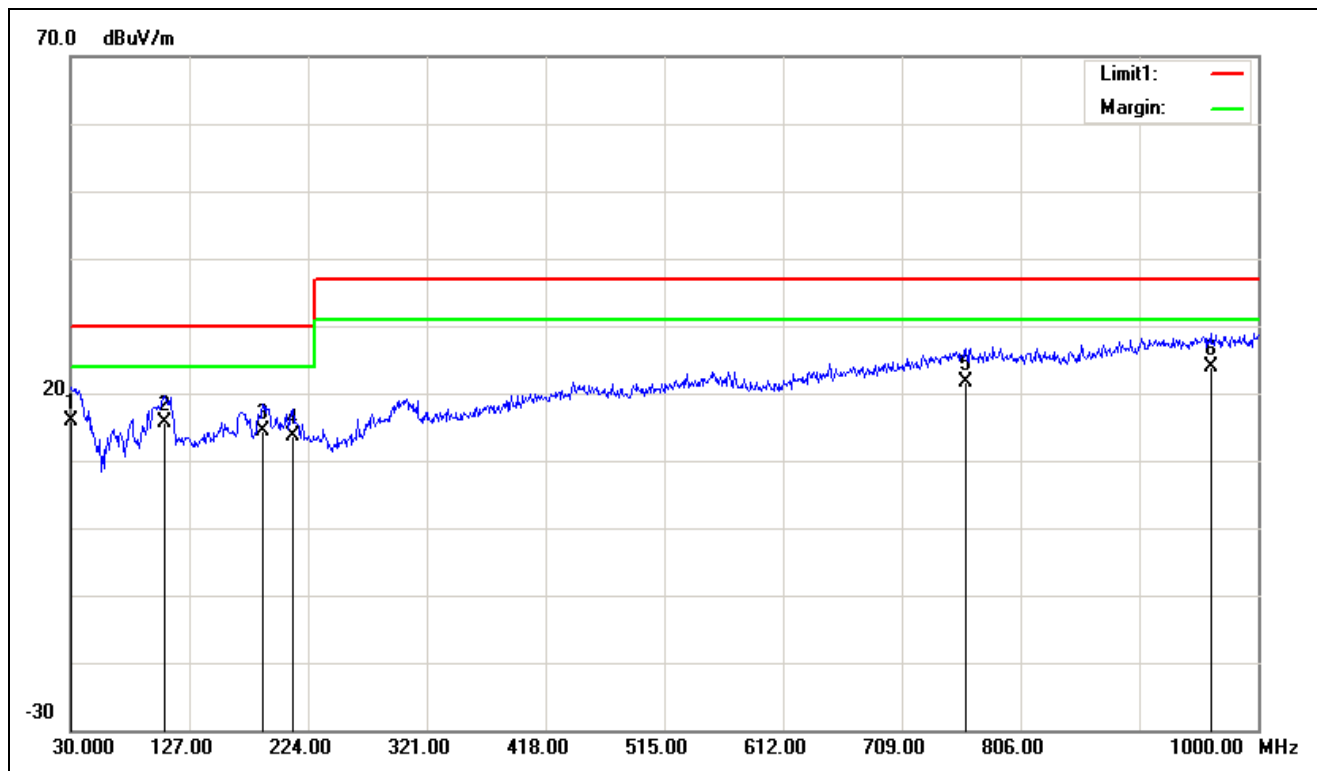
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:59:41
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 17



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.97	-4.71	15.26	30.00	-14.74	400	30	QP
2	157.0700	23.99	-12.66	11.33	30.00	-18.67	400	295	QP
3	269.5900	28.59	-11.88	16.71	37.00	-20.29	300	105	QP
4	805.0300	21.51	-0.02	21.49	37.00	-15.51	400	249	QP
5	870.0200	21.08	1.67	22.75	37.00	-14.25	100	271	QP
6	978.6600	20.49	1.31	21.80	37.00	-15.20	300	359	QP

**Note:** 1. The other emission levels were very low against the limit.

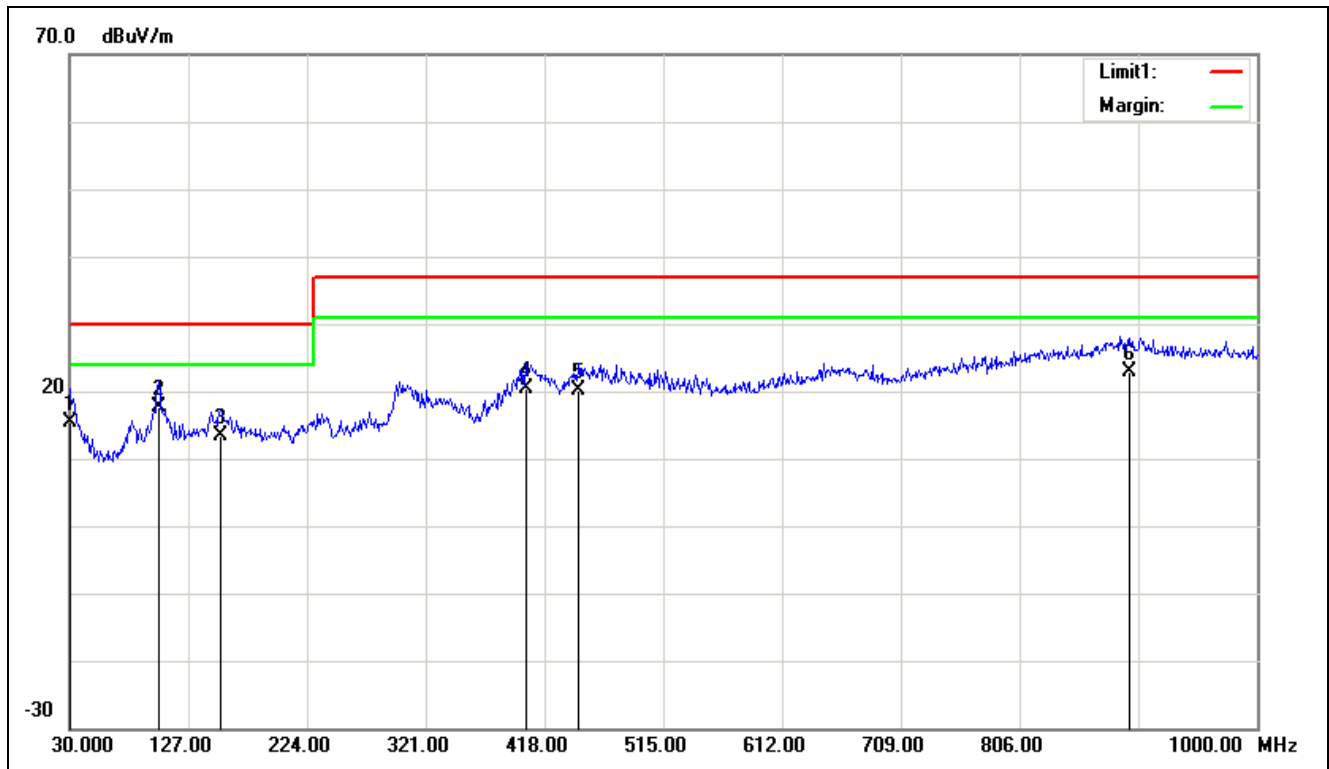
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:26:00
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 18



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	22.35	-6.35	16.00	30.00	-14.00	100	176	QP
2	106.6300	32.44	-16.90	15.54	30.00	-14.46	200	62	QP
3	187.1400	28.37	-14.11	14.26	30.00	-15.74	400	272	QP
4	211.3900	28.05	-14.52	13.53	30.00	-16.47	100	82	QP
5	761.3800	23.48	-1.76	21.72	37.00	-15.28	300	241	QP
6	961.2000	22.70	1.29	23.99	37.00	-13.01	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

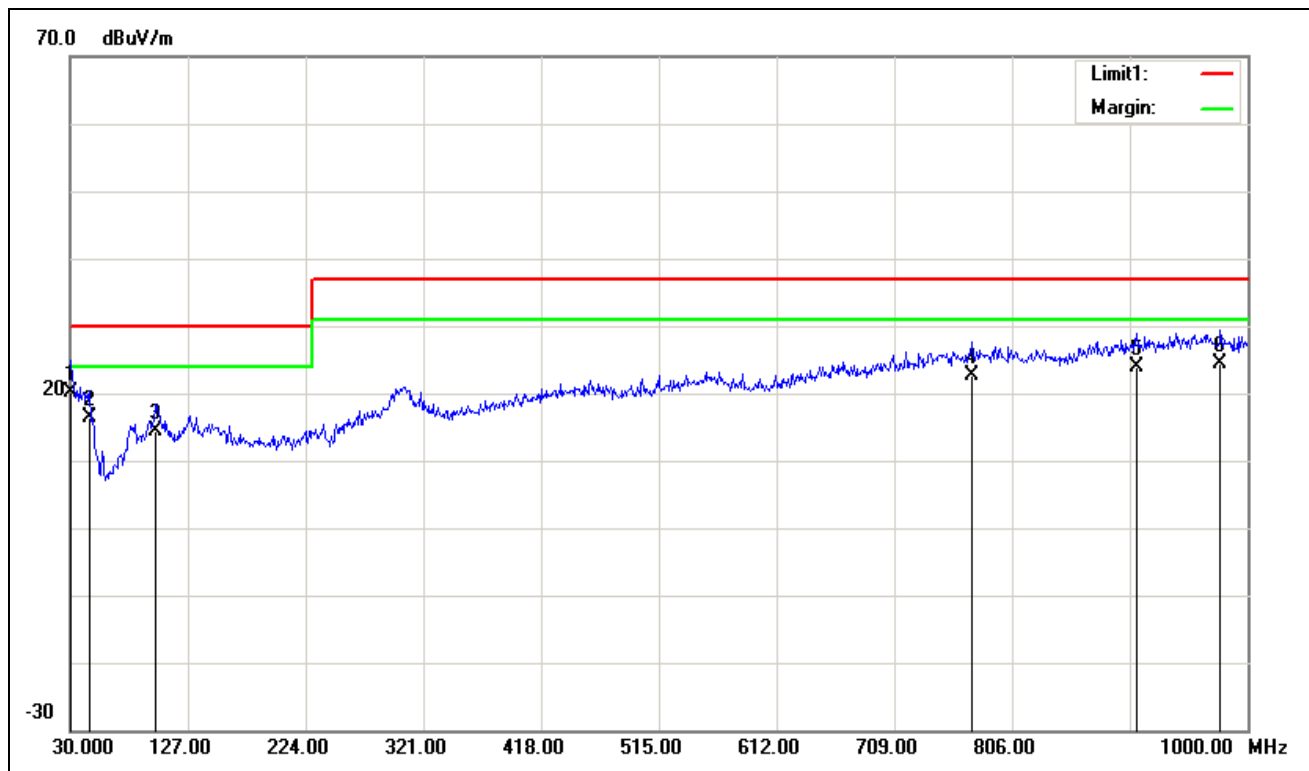
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:25:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 18



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.10	-4.71	15.39	30.00	-14.61	400	0	QP
2	102.7500	32.08	-14.55	17.53	30.00	-12.47	400	266	QP
3	153.1900	25.92	-12.62	13.30	30.00	-16.70	400	284	QP
4	402.4800	27.57	-7.30	20.27	37.00	-16.73	200	139	QP
5	446.1300	27.68	-7.43	20.25	37.00	-16.75	100	158	QP
6	895.2400	20.84	2.16	23.00	37.00	-14.00	300	271	QP

**Note:** 1. The other emission levels were very low against the limit.

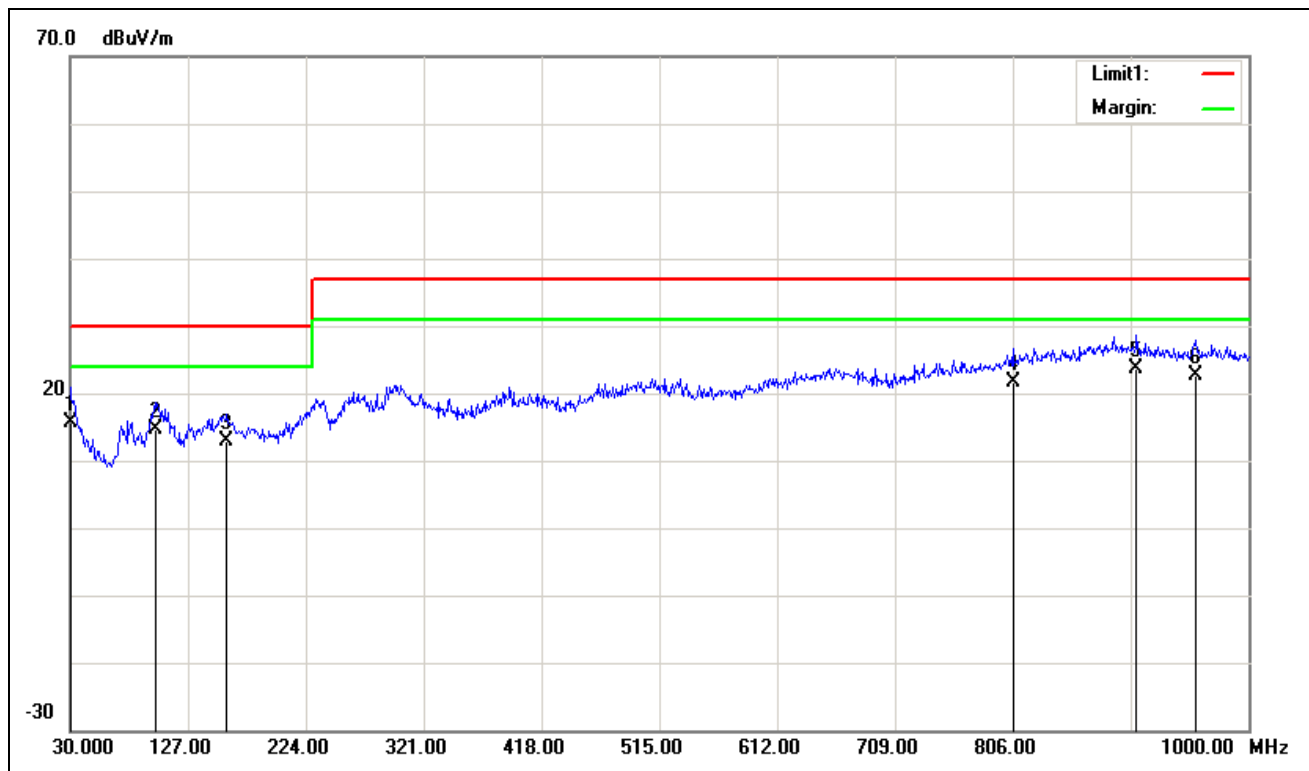
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:09:49
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 19



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.9700	27.19	-7.01	20.18	30.00	-9.82	400	198	QP
2	46.4900	34.02	-17.62	16.40	30.00	-13.60	100	88	QP
3	100.8100	31.66	-17.38	14.28	30.00	-15.72	200	300	QP
4	773.0200	24.35	-1.70	22.65	37.00	-14.35	300	97	QP
5	908.8200	23.58	0.28	23.86	37.00	-13.14	300	318	QP
6	977.6900	22.82	1.60	24.42	37.00	-12.58	200	39	QP

**Note:** 1. The other emission levels were very low against the limit.

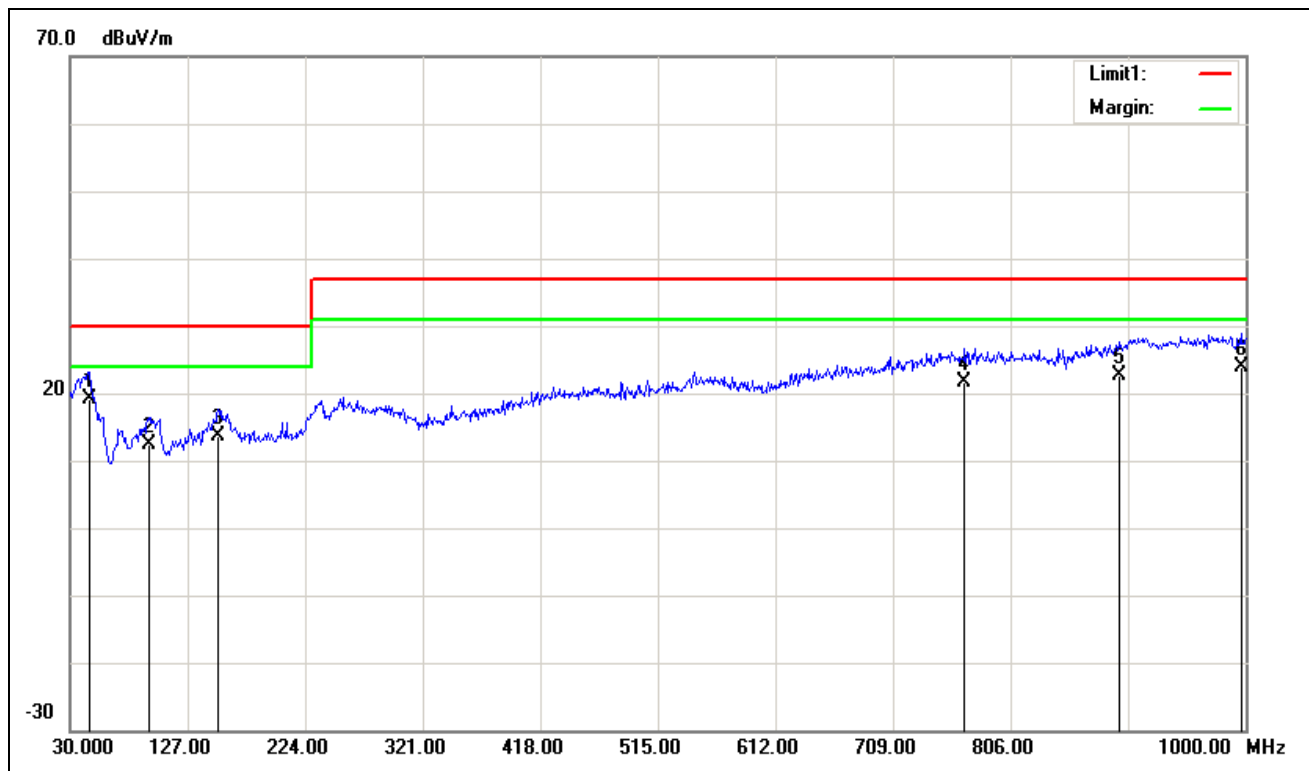
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:09:47
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 19



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.40	-4.71	15.69	30.00	-14.31	200	64	QP
2	100.8100	29.18	-14.63	14.55	30.00	-15.45	400	0	QP
3	159.0100	25.59	-12.68	12.91	30.00	-17.09	400	289	QP
4	806.0000	21.61	0.01	21.62	37.00	-15.38	200	62	QP
5	907.8500	21.58	2.14	23.72	37.00	-13.28	300	0	QP
6	956.3500	21.20	1.51	22.71	37.00	-14.29	200	29	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:35:01
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 20

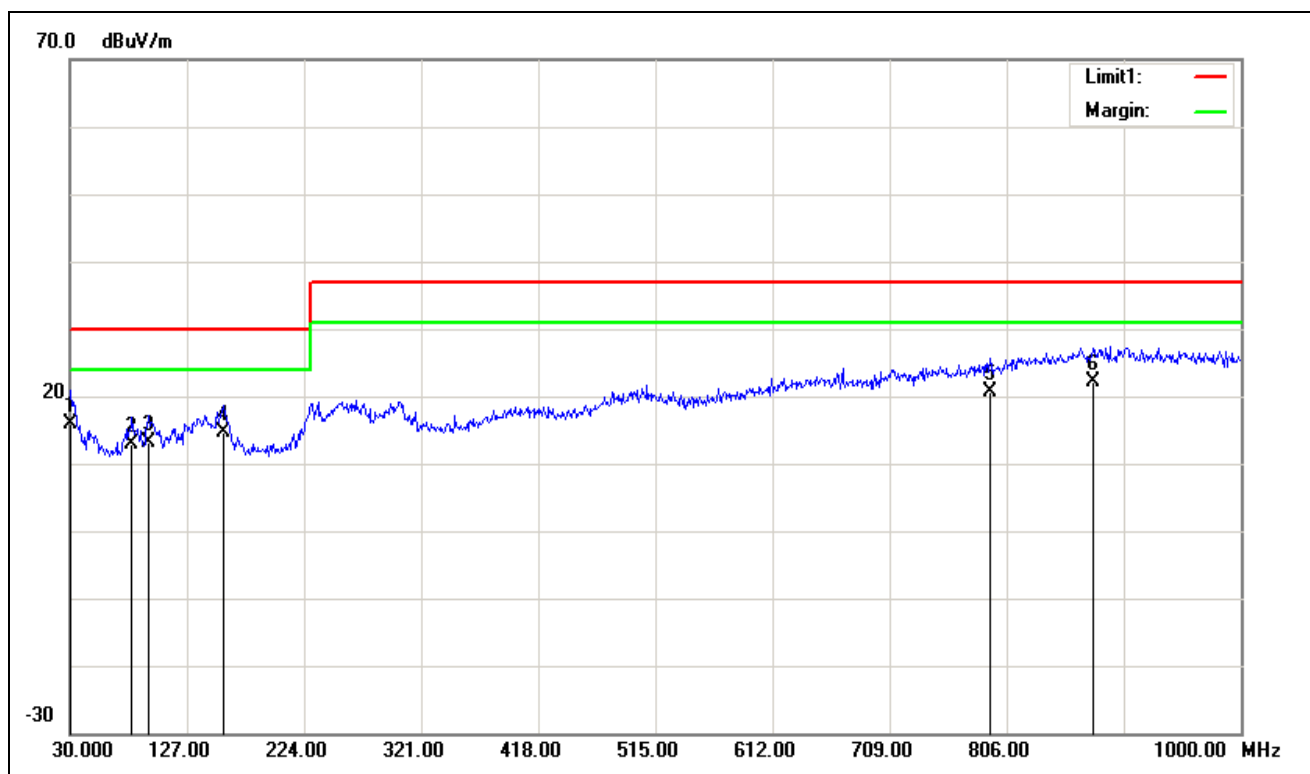


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	46.4900	36.72	-17.62	19.10	30.00	-10.90	200	51	QP
2	94.9900	30.08	-17.71	12.37	30.00	-17.63	200	249	QP
3	152.2200	26.89	-13.37	13.52	30.00	-16.48	300	1	QP
4	768.1700	23.29	-1.72	21.57	37.00	-15.43	100	183	QP
5	895.2400	22.69	-0.05	22.64	37.00	-14.36	200	120	QP
6	996.1200	21.87	1.96	23.83	37.00	-13.17	300	110	QP

**Note:** 1. The other emission levels were very low against the limit.



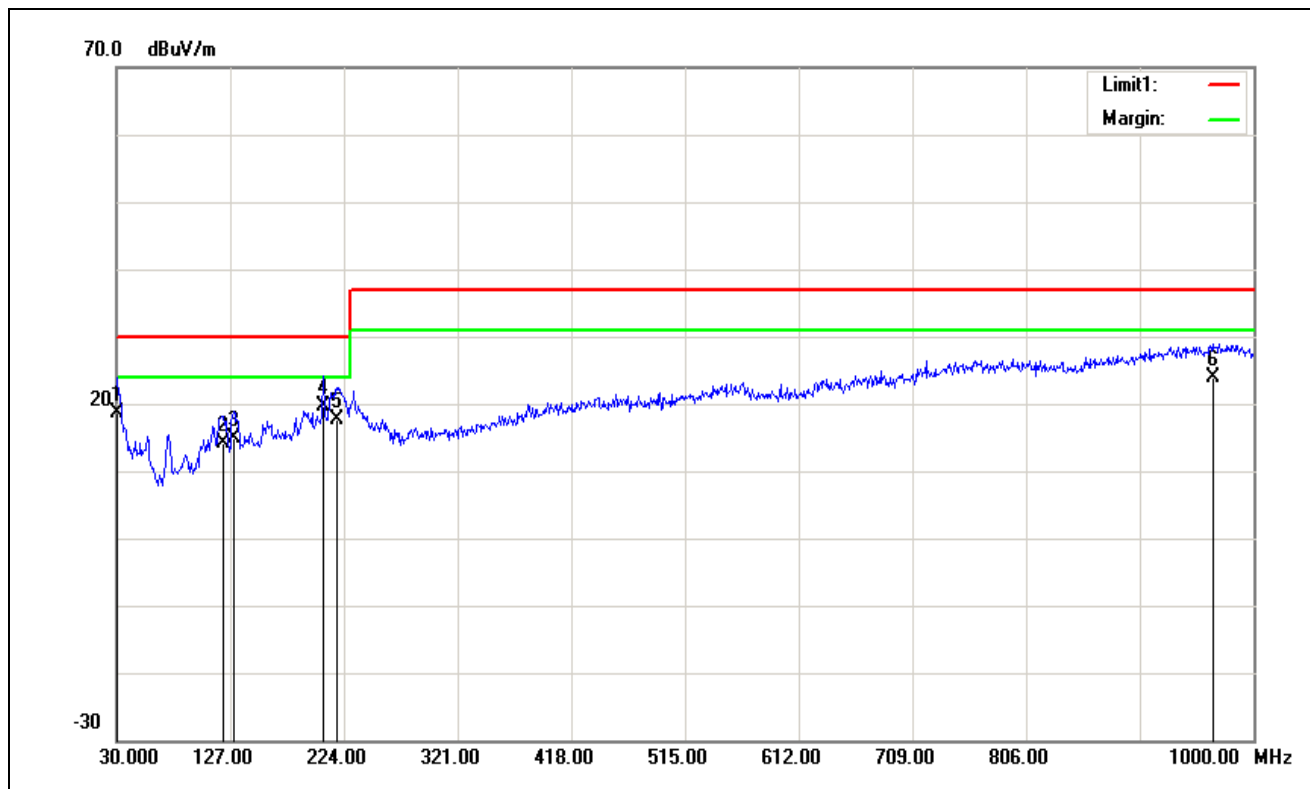
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:34:59
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 20



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	20.50	-4.71	15.79	30.00	-14.21	100	348	QP
2	81.4100	28.12	-15.22	12.90	30.00	-17.10	400	277	QP
3	94.9900	27.83	-14.81	13.02	30.00	-16.98	400	263	QP
4	157.0700	27.35	-12.66	14.69	30.00	-15.31	400	286	QP
5	792.4200	20.87	-0.35	20.52	37.00	-16.48	300	0	QP
6	877.7800	20.34	1.82	22.16	37.00	-14.84	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

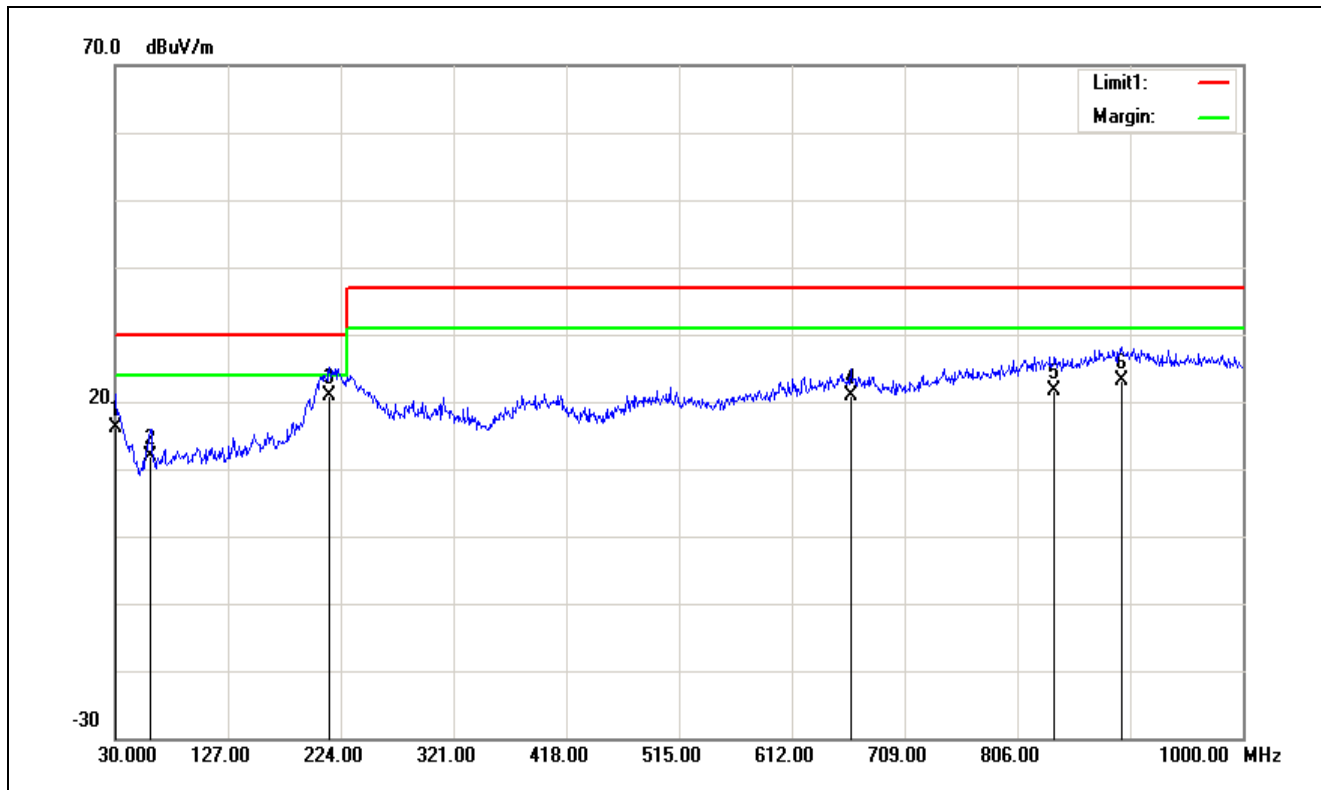
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:22:05:22
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 21



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.75	-7.01	18.74	30.00	-11.26	200	3	QP
2	121.1800	29.90	-15.70	14.20	30.00	-15.80	100	1	QP
3	129.9100	29.77	-14.98	14.79	30.00	-15.21	100	97	QP
4	206.5400	34.06	-14.46	19.60	30.00	-10.40	400	129	QP
5	218.1800	32.11	-14.59	17.52	30.00	-12.48	100	360	QP
6	965.0800	22.53	1.36	23.89	37.00	-13.11	300	136	QP

**Note:** 1. The other emission levels were very low against the limit.

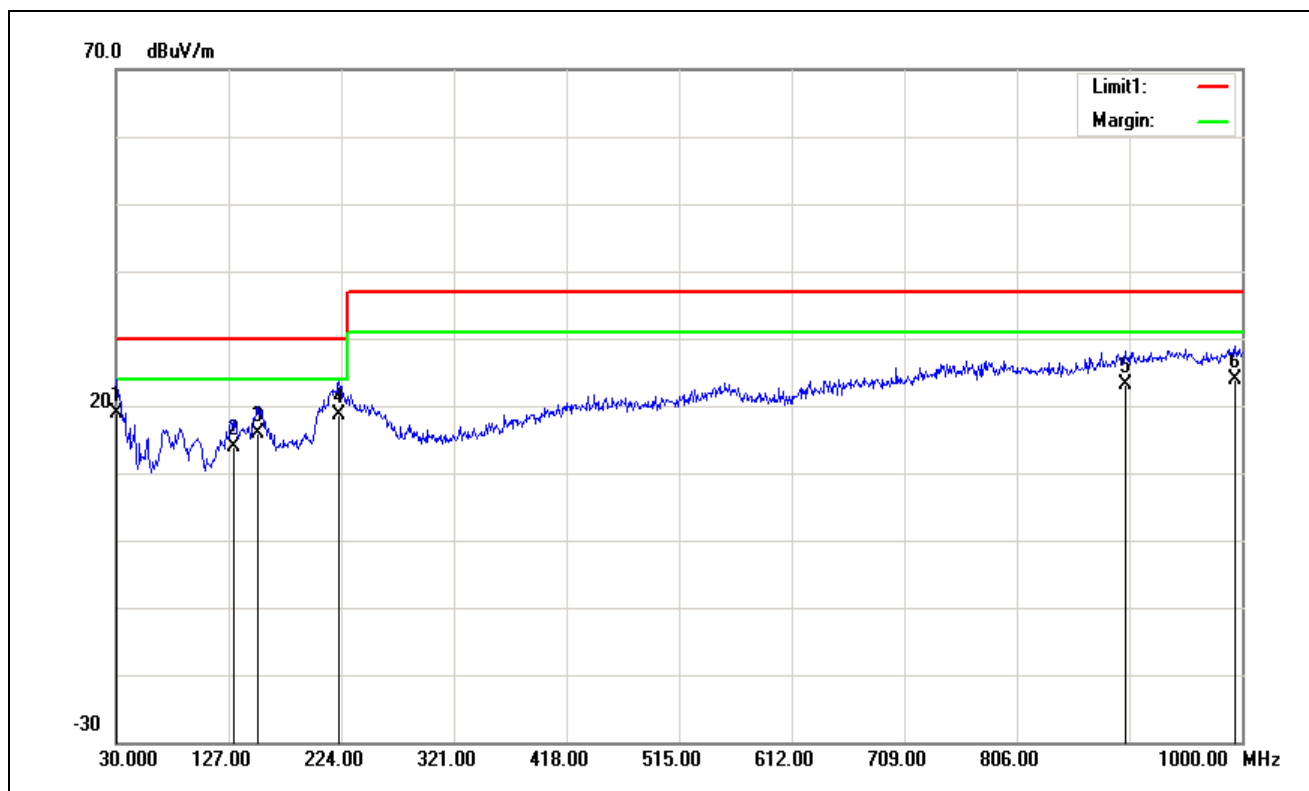
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:22:05:20
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 21



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.76	-4.71	16.05	30.00	-13.95	400	12	QP
2	60.0700	27.75	-15.87	11.88	30.00	-18.12	400	24	QP
3	214.3000	34.00	-13.00	21.00	30.00	-9.00	400	7	QP
4	662.4400	23.03	-2.27	20.76	37.00	-16.24	100	60	QP
5	838.0100	20.77	0.94	21.71	37.00	-15.29	100	28	QP
6	895.2400	20.90	2.16	23.06	37.00	-13.94	100	188	QP

**Note:** 1. The other emission levels were very low against the limit.

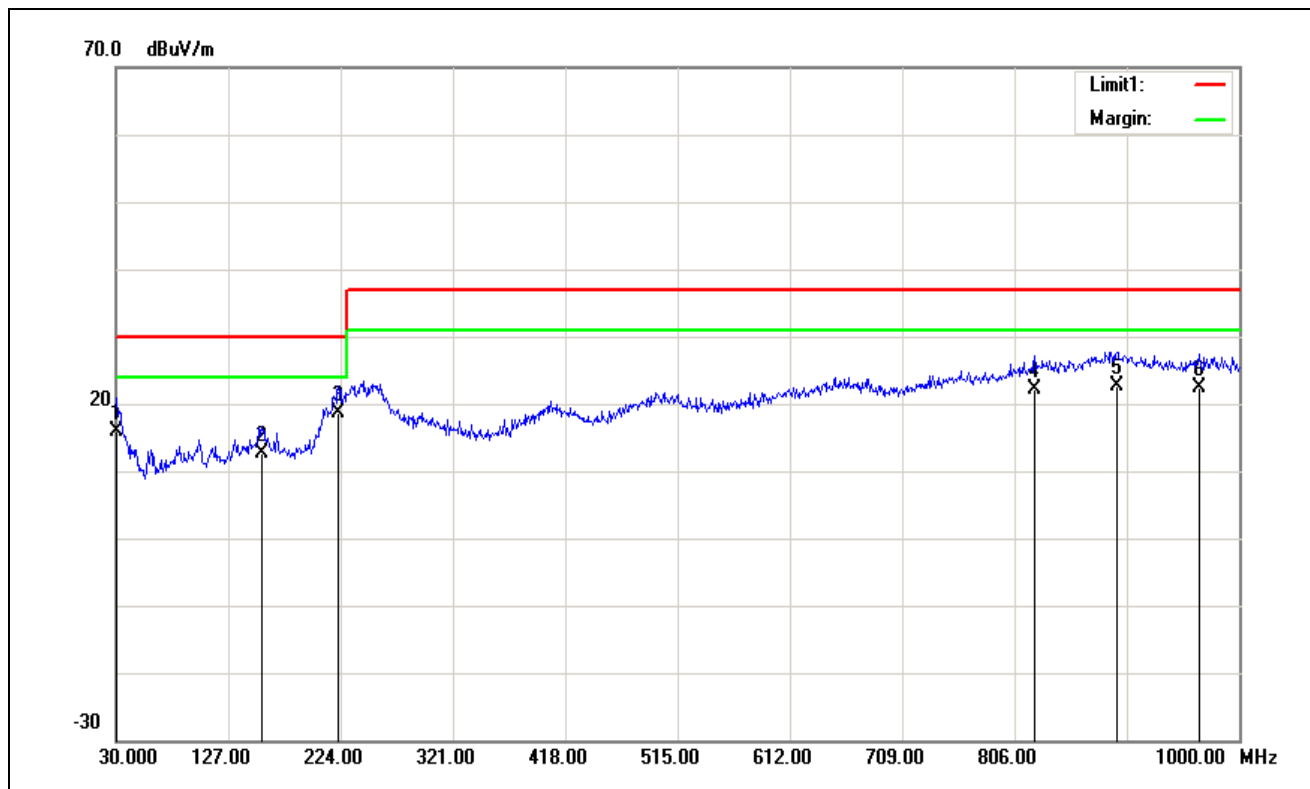
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:30:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 22



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.98	-7.01	18.97	30.00	-11.03	200	162	QP
2	130.8800	28.90	-14.90	14.00	30.00	-16.00	400	194	QP
3	152.2200	29.34	-13.37	15.97	30.00	-14.03	100	226	QP
4	222.0600	33.20	-14.64	18.56	30.00	-11.44	100	249	QP
5	899.1200	22.96	0.08	23.04	37.00	-13.96	400	199	QP
6	994.1800	21.89	1.92	23.81	37.00	-13.19	300	40	QP

**Note:** 1. The other emission levels were very low against the limit.

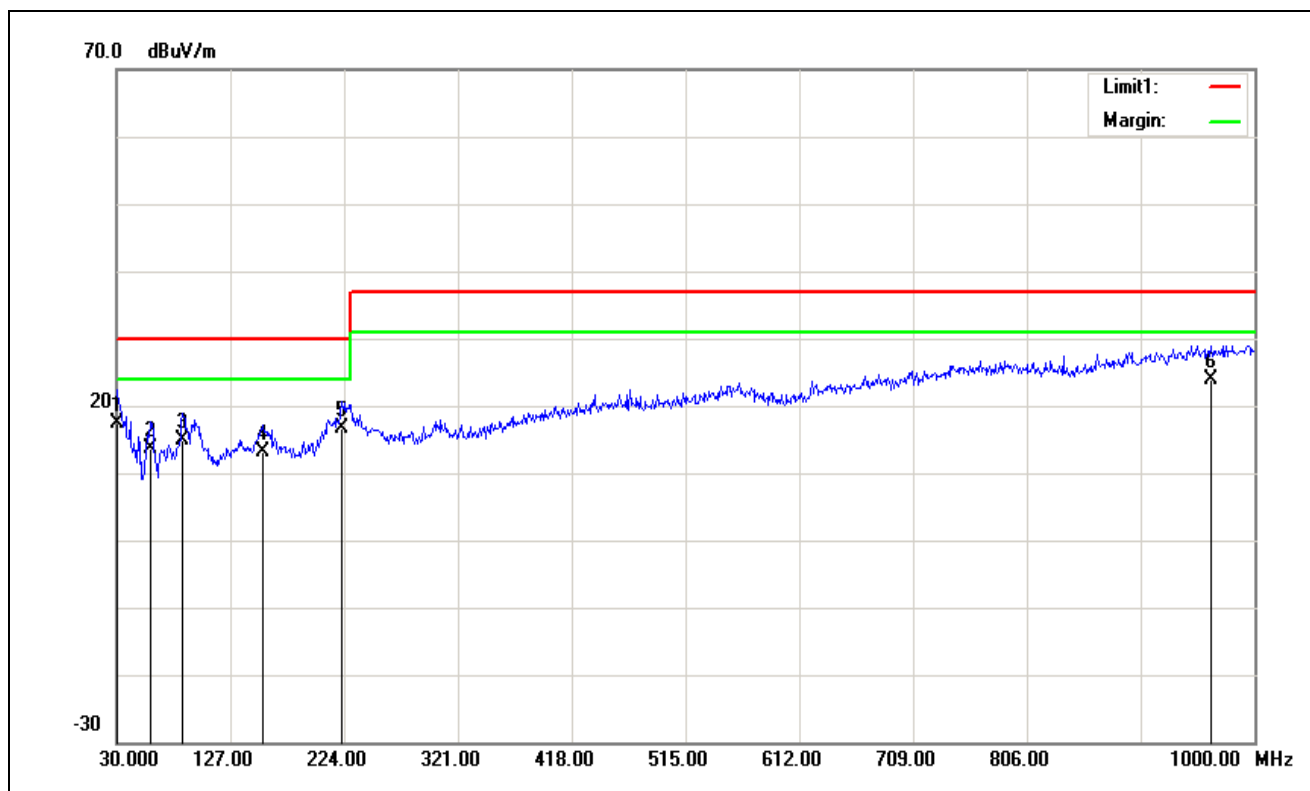
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:30:36
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 22



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	21.08	-5.27	15.81	30.00	-14.19	200	289	QP
2	156.1000	25.21	-12.65	12.56	30.00	-17.44	400	234	QP
3	222.0600	31.59	-12.96	18.63	30.00	-11.37	400	238	QP
4	823.4600	21.59	0.52	22.11	37.00	-14.89	100	208	QP
5	894.2700	20.43	2.14	22.57	37.00	-14.43	400	115	QP
6	965.0800	20.97	1.43	22.40	37.00	-14.60	300	71	QP

**Note:** 1. The other emission levels were very low against the limit.

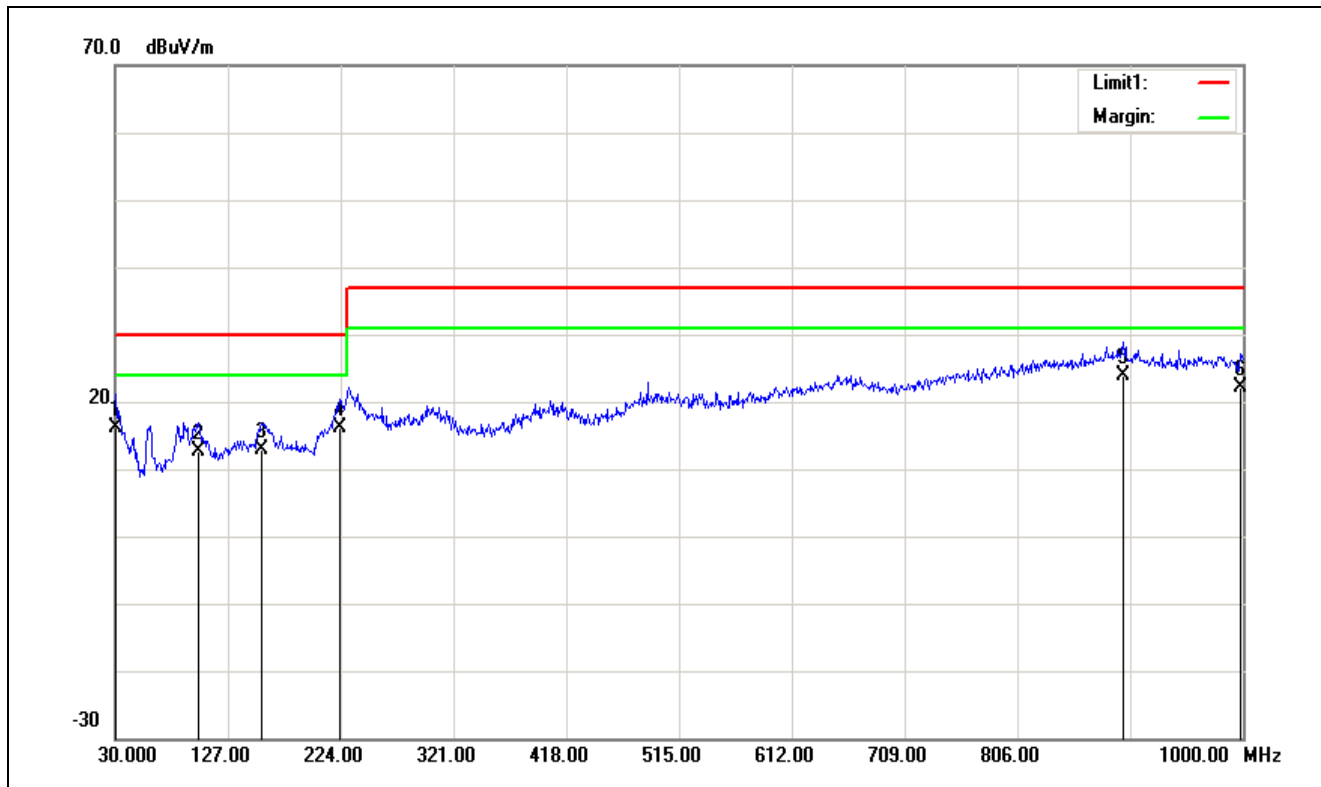
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:52:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 23



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.80	-6.35	17.45	30.00	-12.55	100	258	QP
2	59.1000	33.09	-19.55	13.54	30.00	-16.46	200	38	QP
3	86.2600	32.95	-18.16	14.79	30.00	-15.21	300	163	QP
4	155.1300	26.51	-13.43	13.08	30.00	-16.92	100	279	QP
5	222.0600	31.19	-14.64	16.55	30.00	-13.45	100	60	QP
6	963.1400	22.59	1.32	23.91	37.00	-13.09	200	363	QP

**Note:** 1. The other emission levels were very low against the limit.

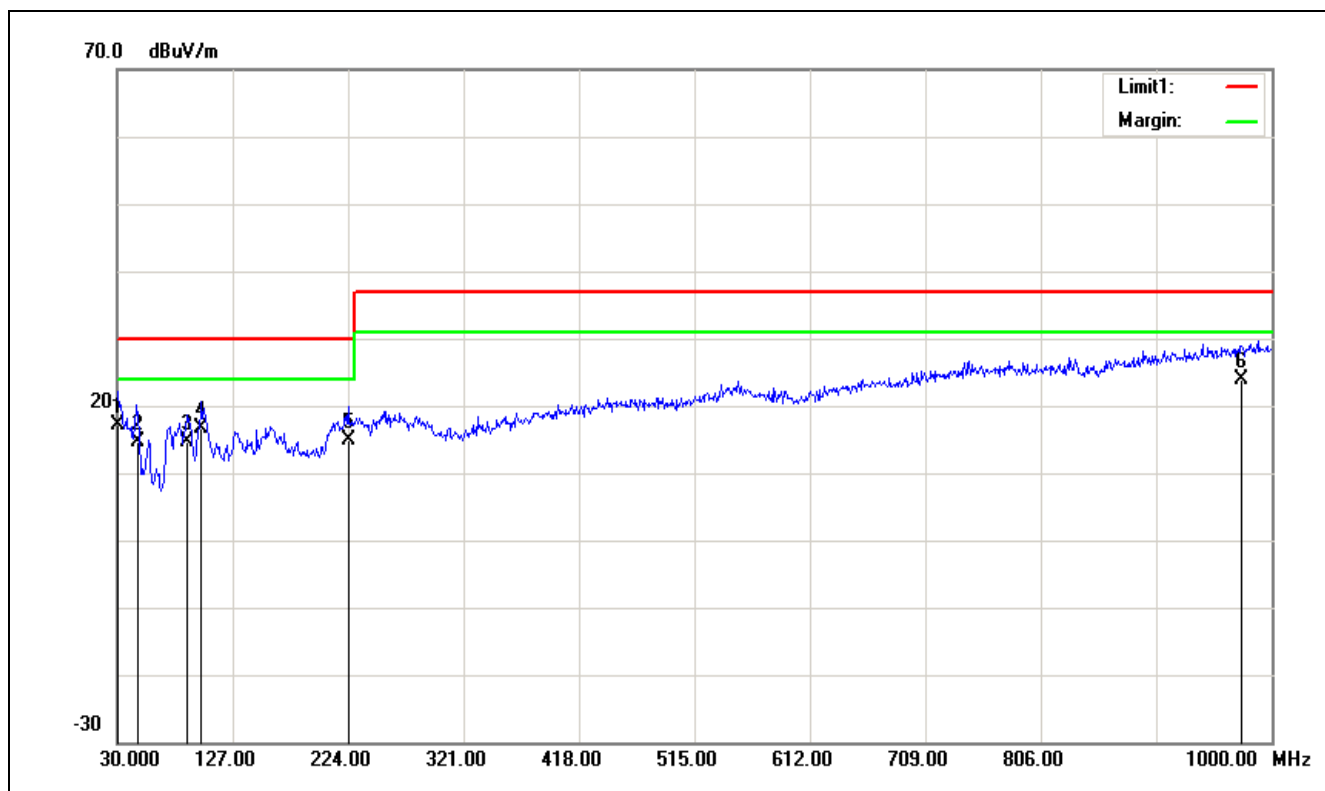
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:52:56
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 23



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.75	-4.71	16.04	30.00	-13.96	400	134	QP
2	101.7800	27.18	-14.59	12.59	30.00	-17.41	400	288	QP
3	156.1000	25.47	-12.65	12.82	30.00	-17.18	400	72	QP
4	223.0300	29.15	-12.95	16.20	30.00	-13.80	400	94	QP
5	897.1800	21.61	2.20	23.81	37.00	-13.19	300	230	QP
6	998.0600	20.93	1.14	22.07	37.00	-14.93	100	364	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:40:05
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 24

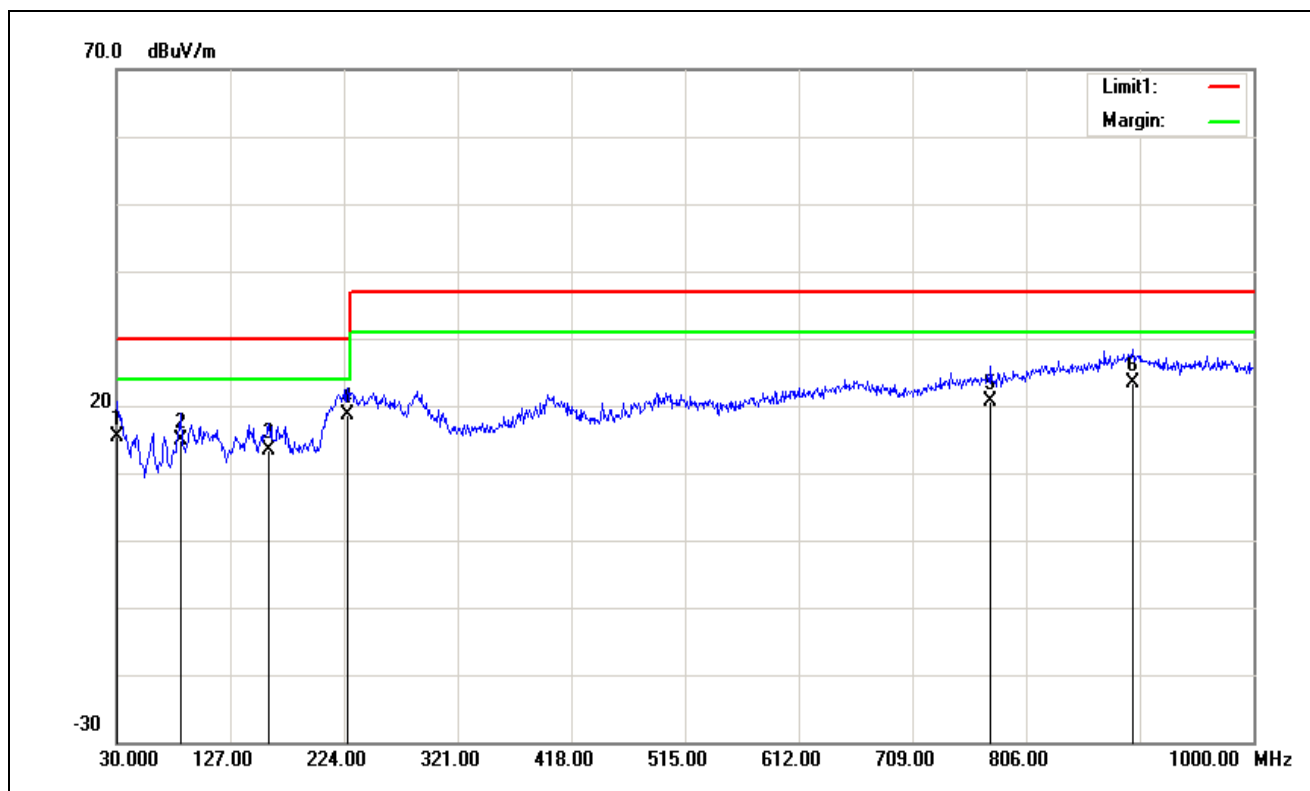


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.36	-6.35	17.01	30.00	-12.99	200	162	QP
2	47.4600	32.89	-18.28	14.61	30.00	-15.39	100	15	QP
3	88.2000	32.71	-18.06	14.65	30.00	-15.35	200	117	QP
4	100.8100	33.98	-17.38	16.60	30.00	-13.40	200	70	QP
5	224.0000	29.45	-14.66	14.79	30.00	-15.21	100	6	QP
6	974.7800	22.38	1.55	23.93	37.00	-13.07	200	154	QP

**Note:** 1. The other emission levels were very low against the limit.



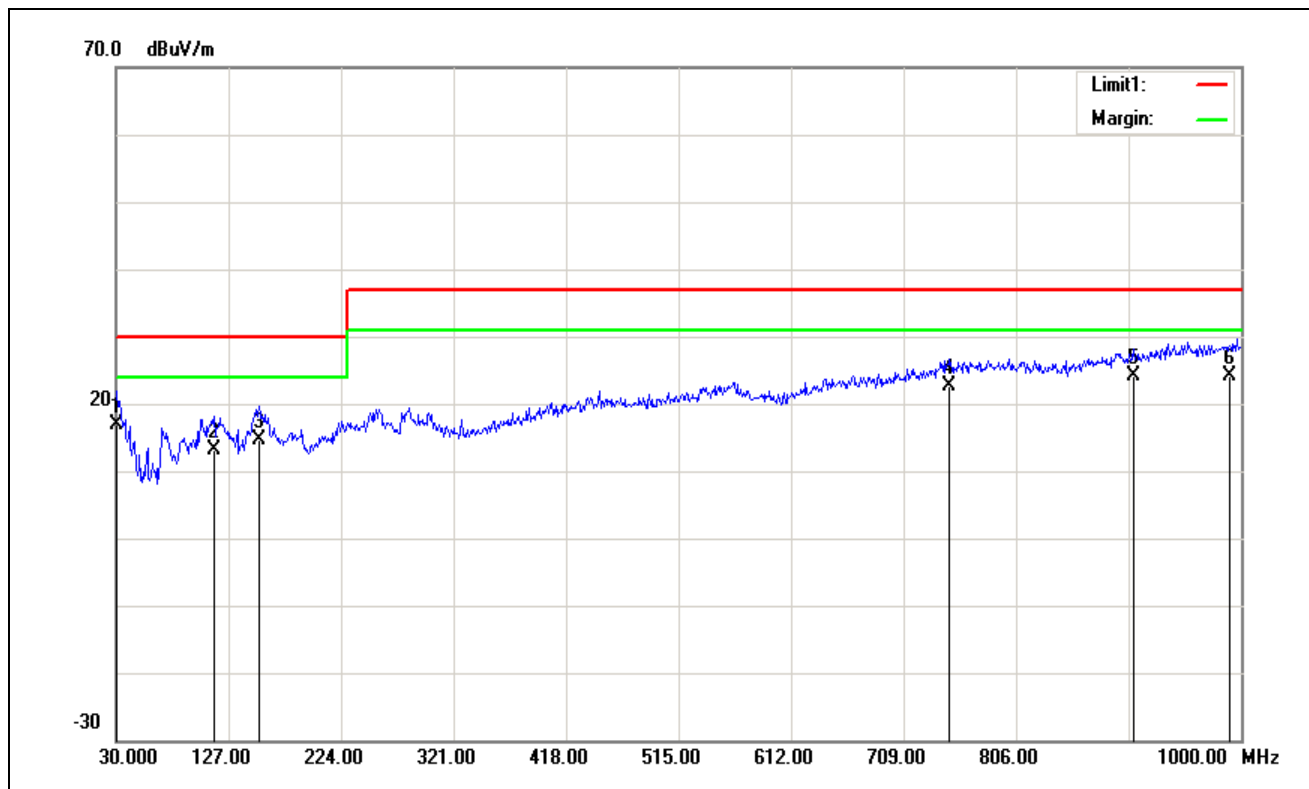
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:40:03
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 24



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.06	-4.71	15.35	30.00	-14.65	100	160	QP
2	85.2900	29.91	-15.10	14.81	30.00	-15.19	300	251	QP
3	159.9800	26.04	-12.69	13.35	30.00	-16.65	400	288	QP
4	226.9100	31.61	-12.94	18.67	30.00	-11.33	300	268	QP
5	775.9300	21.49	-0.74	20.75	37.00	-16.25	100	294	QP
6	897.1800	21.17	2.20	23.37	37.00	-13.63	300	252	QP

**Note:** 1. The other emission levels were very low against the limit.

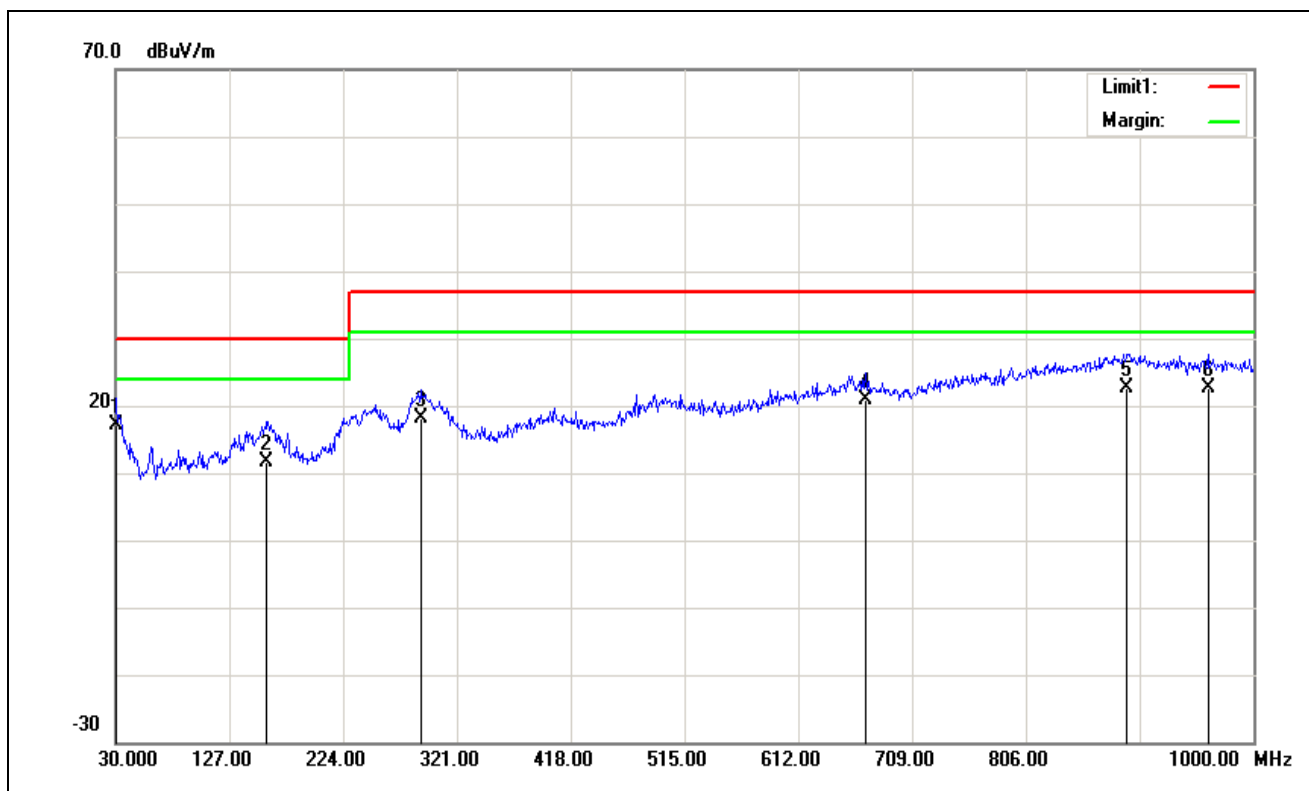
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:06:14
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 25



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.17	-6.35	16.82	30.00	-13.18	200	273	QP
2	114.3900	29.46	-16.26	13.20	30.00	-16.80	300	181	QP
3	153.1900	28.14	-13.39	14.75	30.00	-15.25	100	287	QP
4	748.7700	24.42	-1.86	22.56	37.00	-14.44	200	209	QP
5	906.8800	23.77	0.24	24.01	37.00	-12.99	200	332	QP
6	990.3000	22.29	1.84	24.13	37.00	-12.87	100	76	QP

**Note:** 1. The other emission levels were very low against the limit.

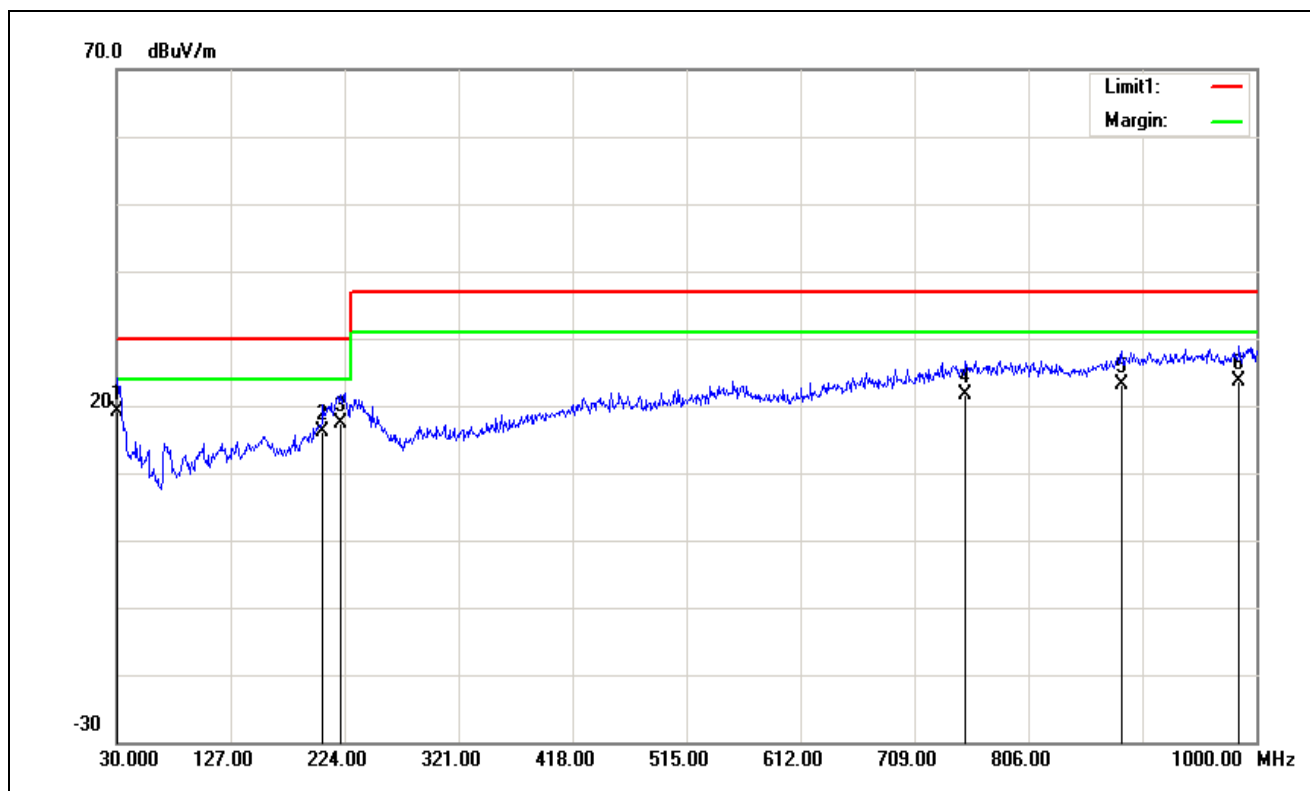
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:06:12
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 25



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.72	-4.71	17.01	30.00	-12.99	300	203	QP
2	159.0100	24.37	-12.68	11.69	30.00	-18.31	400	292	QP
3	289.9600	29.08	-10.89	18.19	37.00	-18.81	300	115	QP
4	669.2300	23.11	-2.33	20.78	37.00	-16.22	300	261	QP
5	892.3300	20.62	2.10	22.72	37.00	-14.28	400	27	QP
6	961.2000	21.13	1.47	22.60	37.00	-14.40	400	146	QP

**Note:** 1. The other emission levels were very low against the limit.

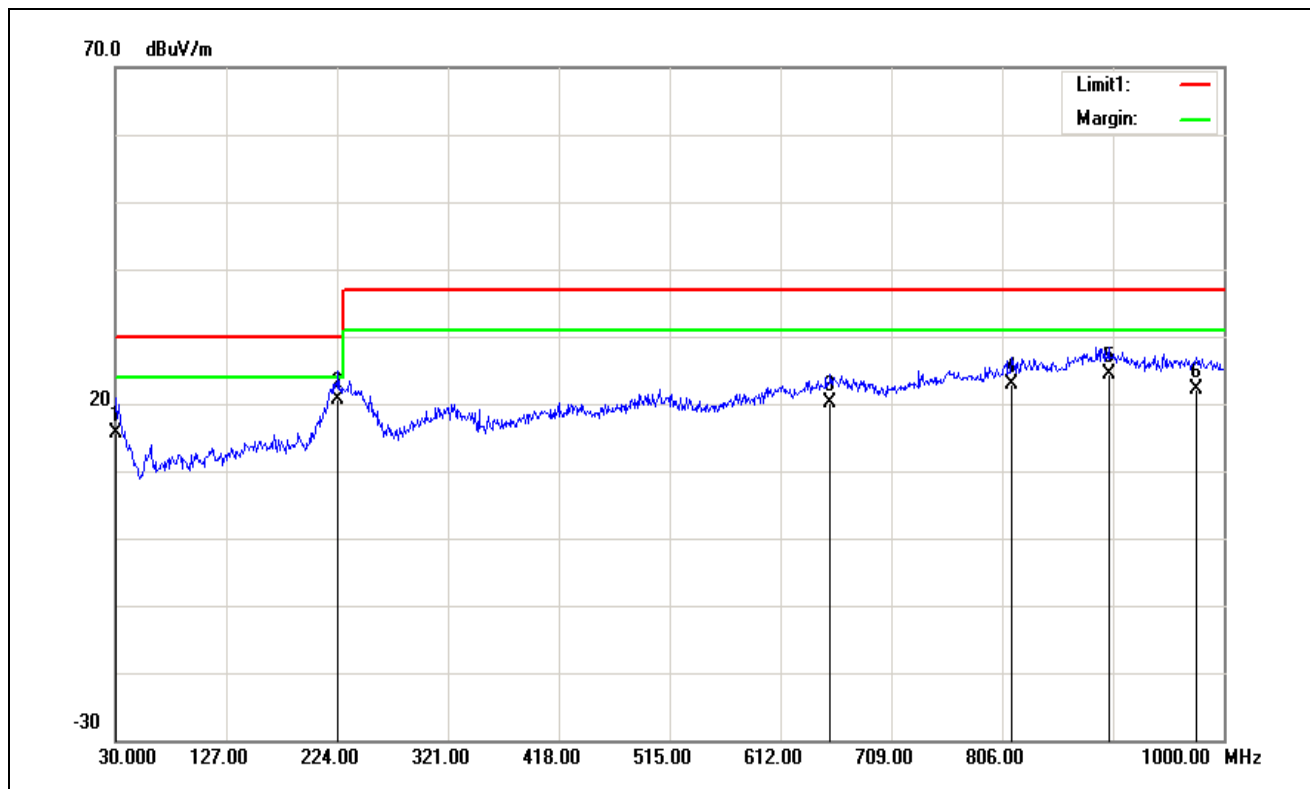
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:53:23
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 26



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	26.23	-7.01	19.22	30.00	-10.78	100	1	QP
2	205.5700	30.48	-14.45	16.03	30.00	-13.97	100	95	QP
3	220.1200	32.07	-14.62	17.45	30.00	-12.55	100	20	QP
4	752.6500	23.43	-1.81	21.62	37.00	-15.38	200	249	QP
5	885.5400	23.49	-0.38	23.11	37.00	-13.89	300	198	QP
6	985.4500	21.99	1.75	23.74	37.00	-13.26	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

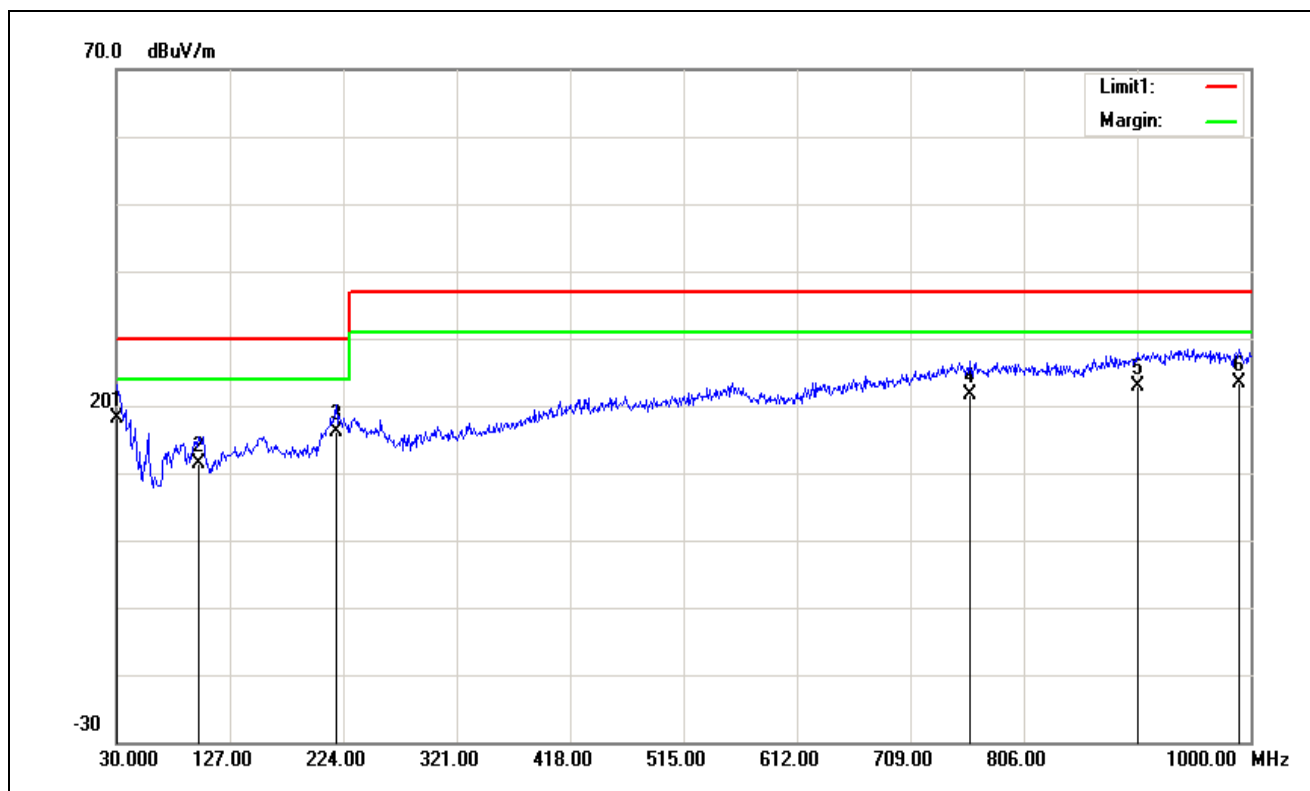
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:53:22
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 26



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.38	-4.71	15.67	30.00	-14.33	100	200	QP
2	224.9700	33.66	-12.95	20.71	30.00	-9.29	400	266	QP
3	655.6500	22.23	-2.20	20.03	37.00	-16.97	100	280	QP
4	814.7300	22.52	0.26	22.78	37.00	-14.22	100	357	QP
5	899.1200	22.21	2.23	24.44	37.00	-12.56	400	341	QP
6	975.7500	20.85	1.34	22.19	37.00	-14.81	100	249	QP

**Note:** 1. The other emission levels were very low against the limit.

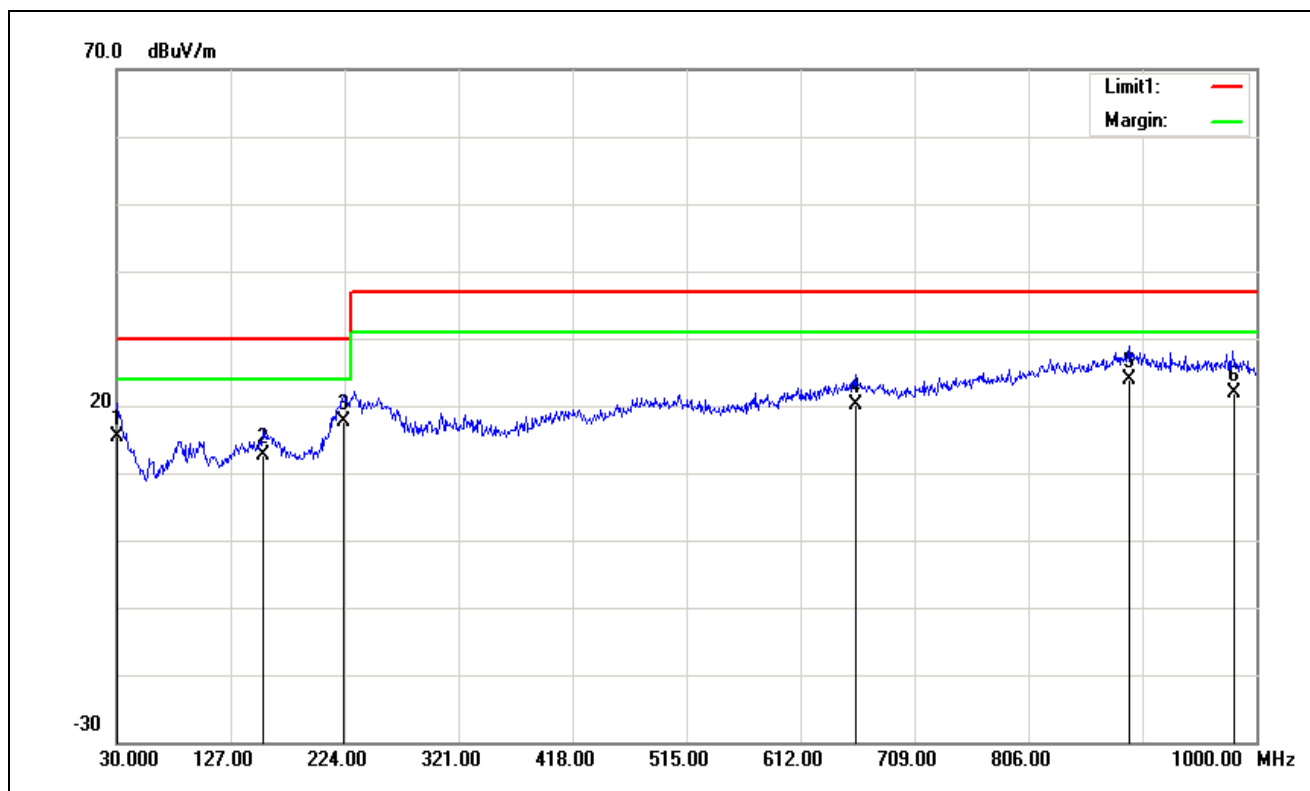
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:23:23
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 27



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.04	-7.01	18.03	30.00	-11.97	400	177	QP
2	99.8400	28.77	-17.46	11.31	30.00	-18.69	300	268	QP
3	218.1800	30.67	-14.59	16.08	30.00	-13.92	100	183	QP
4	759.4400	23.43	-1.77	21.66	37.00	-15.34	400	3	QP
5	903.0000	22.67	0.17	22.84	37.00	-14.16	300	263	QP
6	990.3000	21.64	1.84	23.48	37.00	-13.52	400	265	QP

**Note:** 1. The other emission levels were very low against the limit.

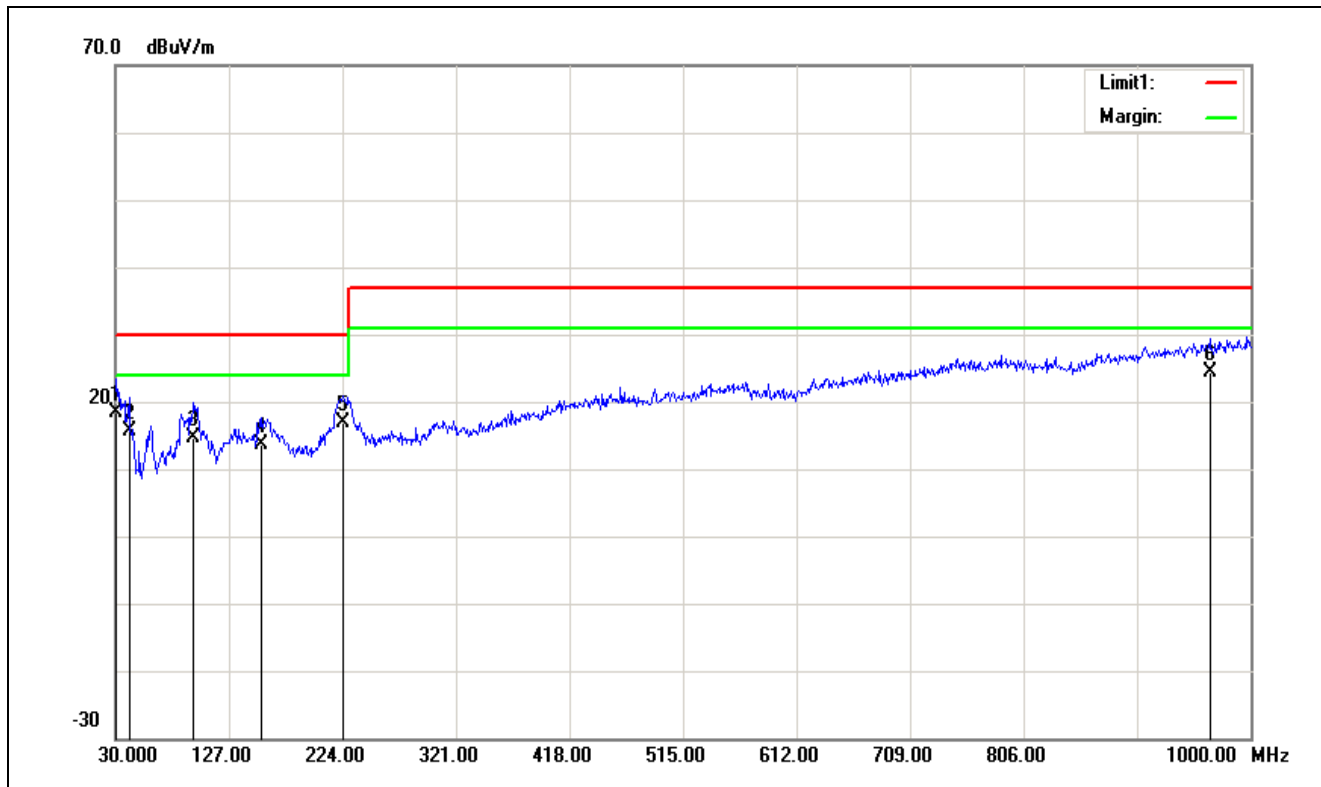
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:23:21
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 27



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.04	-4.71	15.33	30.00	-14.67	100	56	QP
2	155.1300	25.16	-12.64	12.52	30.00	-17.48	400	81	QP
3	223.0300	30.55	-12.95	17.60	30.00	-12.40	400	283	QP
4	658.5600	22.38	-2.23	20.15	37.00	-16.85	400	89	QP
5	891.3600	21.85	2.08	23.93	37.00	-13.07	300	4	QP
6	981.5700	20.68	1.29	21.97	37.00	-15.03	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:46:08
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 28

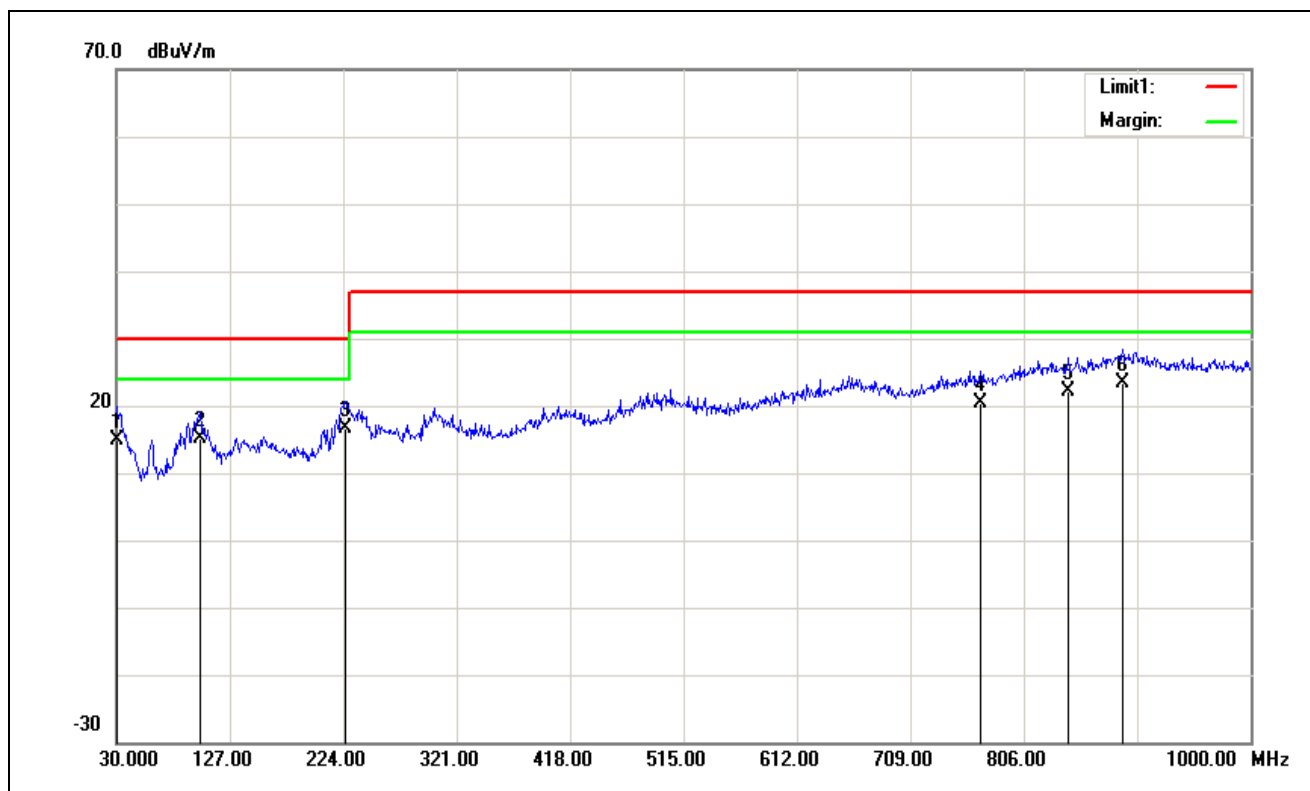


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.31	-7.01	18.30	30.00	-11.70	100	68	QP
2	41.6400	29.93	-14.31	15.62	30.00	-14.38	100	85	QP
3	96.9300	32.28	-17.61	14.67	30.00	-15.33	100	288	QP
4	154.1600	27.05	-13.41	13.64	30.00	-16.36	300	282	QP
5	224.0000	31.51	-14.66	16.85	30.00	-13.15	100	68	QP
6	965.0800	23.11	1.36	24.47	37.00	-12.53	100	0	QP

**Note:** 1. The other emission levels were very low against the limit.



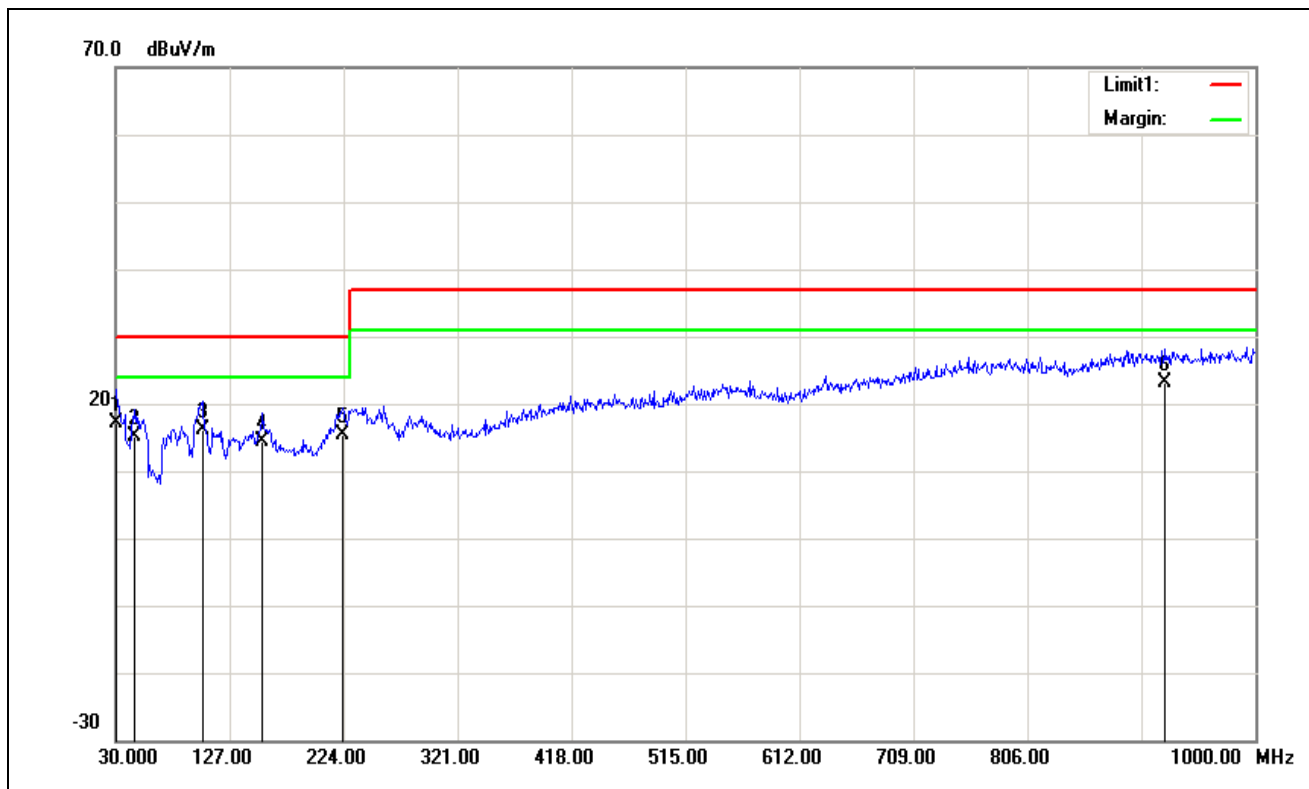
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:46:06
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 28



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.66	-4.71	14.95	30.00	-15.05	300	300	QP
2	101.7800	29.73	-14.59	15.14	30.00	-14.86	400	274	QP
3	225.9400	29.49	-12.94	16.55	30.00	-13.45	400	292	QP
4	769.1400	21.23	-0.90	20.33	37.00	-16.67	400	308	QP
5	843.8300	20.91	1.11	22.02	37.00	-14.98	100	63	QP
6	890.3900	21.23	2.07	23.30	37.00	-13.70	100	249	QP

**Note:** 1. The other emission levels were very low against the limit.

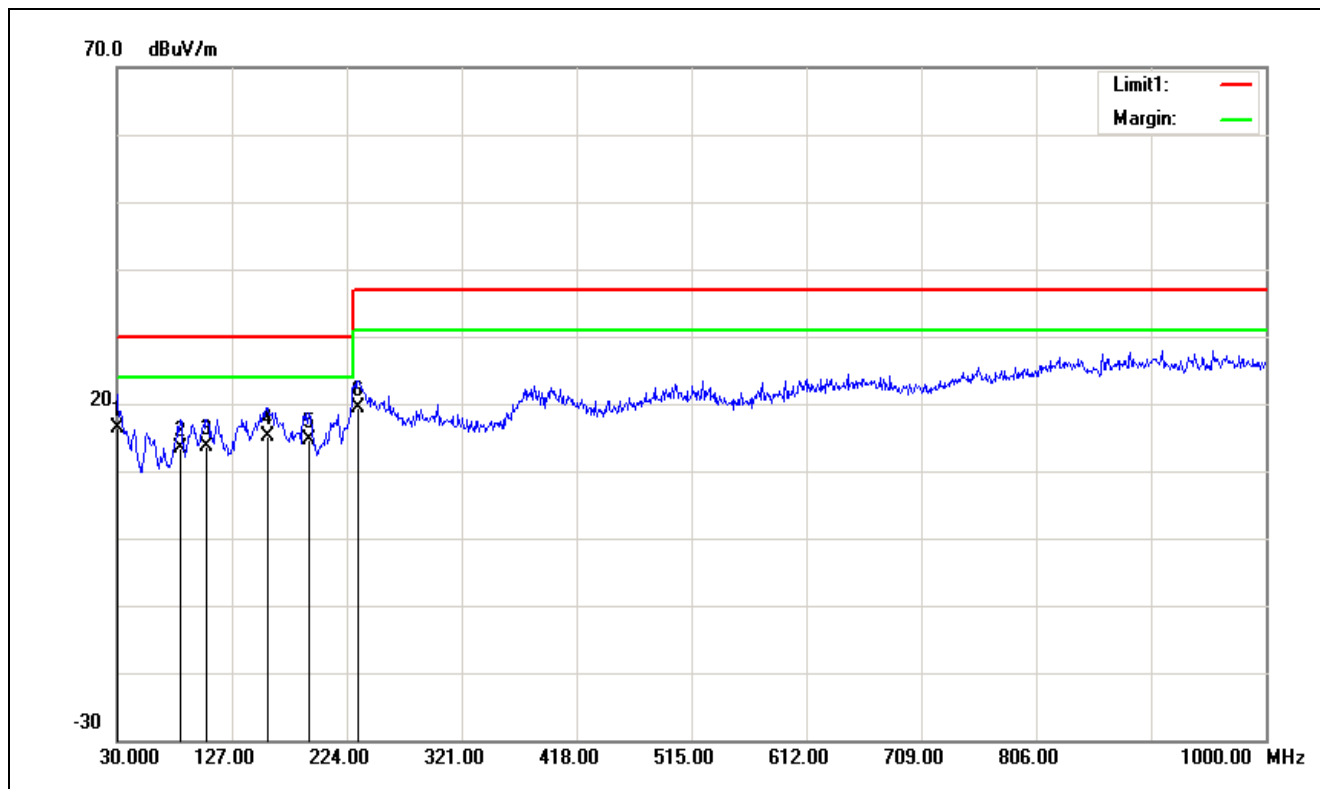
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:39:11
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 29



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg)	Remark
1	30.0000	23.48	-6.35	17.13	30.00	-12.87	100	296	QP
2	46.4900	32.64	-17.62	15.02	30.00	-14.98	100	296	QP
3	103.7200	33.38	-17.14	16.24	30.00	-13.76	200	7	QP
4	155.1300	27.92	-13.43	14.49	30.00	-15.51	100	148	QP
5	223.0300	30.09	-14.65	15.44	30.00	-14.56	100	3	QP
6	923.3700	22.51	0.56	23.07	37.00	-13.93	200	0	QP

**Note:** 1. The other emission levels were very low against the limit.

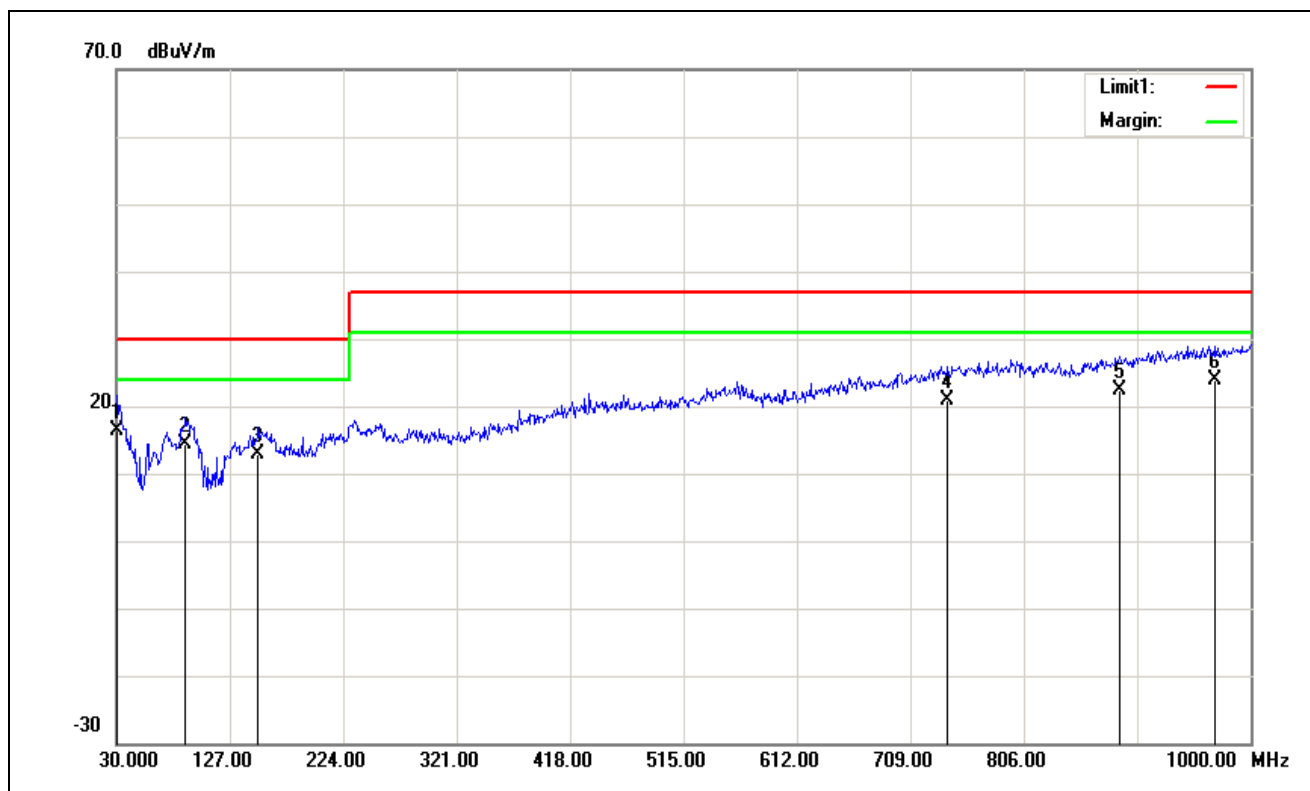
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:39:09
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 29



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.18	-4.71	16.47	30.00	-13.53	200	116	QP
2	83.3500	28.51	-15.16	13.35	30.00	-16.65	300	262	QP
3	105.6600	28.05	-14.43	13.62	30.00	-16.38	100	63	QP
4	157.0700	27.83	-12.66	15.17	30.00	-14.83	400	46	QP
5	191.9900	27.65	-12.99	14.66	30.00	-15.34	300	313	QP
6	233.7000	32.18	-12.90	19.28	37.00	-17.72	300	286	QP

**Note:** 1. The other emission levels were very low against the limit.

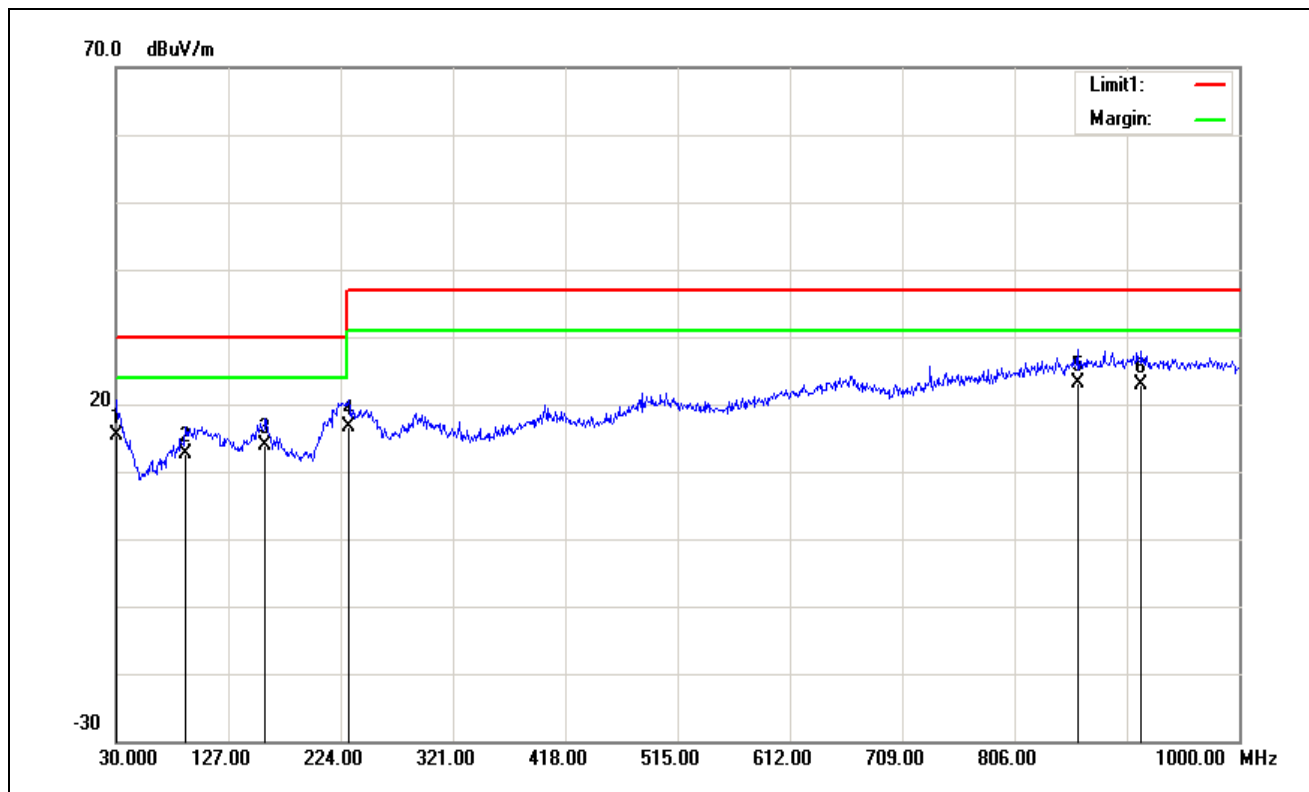
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:21:59
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 30



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.47	-7.01	16.46	30.00	-13.54	200	249	QP
2	89.1700	32.41	-18.01	14.40	30.00	-15.60	400	142	QP
3	151.2500	26.13	-13.35	12.78	30.00	-17.22	300	304	QP
4	741.0100	23.05	-2.11	20.94	37.00	-16.06	100	1	QP
5	888.4500	22.70	-0.28	22.42	37.00	-14.58	300	98	QP
6	968.9600	22.53	1.43	23.96	37.00	-13.04	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

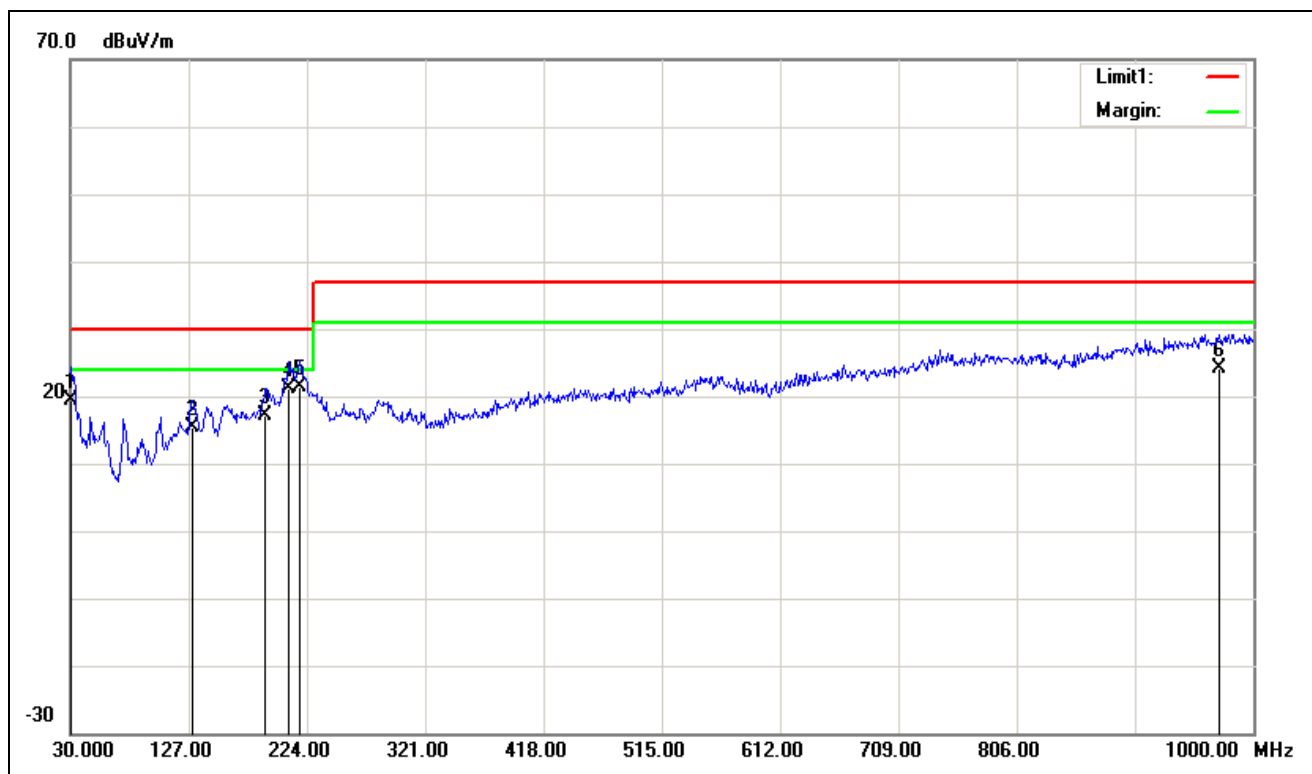
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 55022 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:21:57
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 30



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.21	-4.71	15.50	30.00	-14.50	200	183	QP
2	90.1400	27.60	-14.96	12.64	30.00	-17.36	400	292	QP
3	159.0100	26.51	-12.68	13.83	30.00	-16.17	400	160	QP
4	230.7900	29.45	-12.92	16.53	37.00	-20.47	400	81	QP
5	860.3200	21.59	1.49	23.08	37.00	-13.92	100	59	QP
6	915.6100	20.87	2.04	22.91	37.00	-14.09	300	339	QP

**Note:** 1. The other emission levels were very low against the limit.

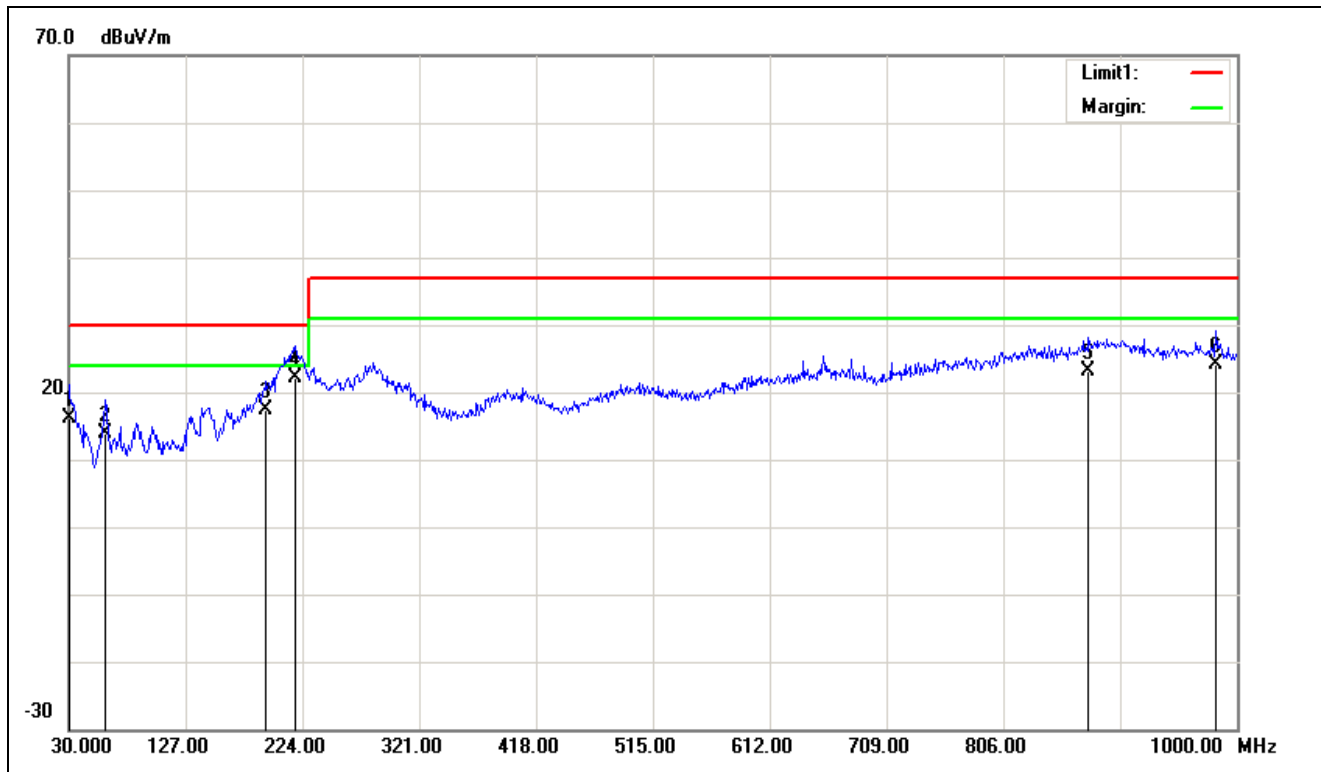
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:32:00
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 31



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	26.45	-7.01	19.44	30.00	-10.56	200	206	QP
2	129.9100	30.28	-14.98	15.30	30.00	-14.70	100	81	QP
3	190.0500	31.22	-14.18	17.04	30.00	-12.96	100	293	QP
4	209.4500	35.71	-14.50	21.21	30.00	-8.79	100	11	QP
5	218.1800	35.91	-14.59	21.32	30.00	-8.68	200	1	QP
6	971.8700	22.68	1.49	24.17	37.00	-12.83	100	222	QP

**Note:** 1. The other emission levels were very low against the limit.

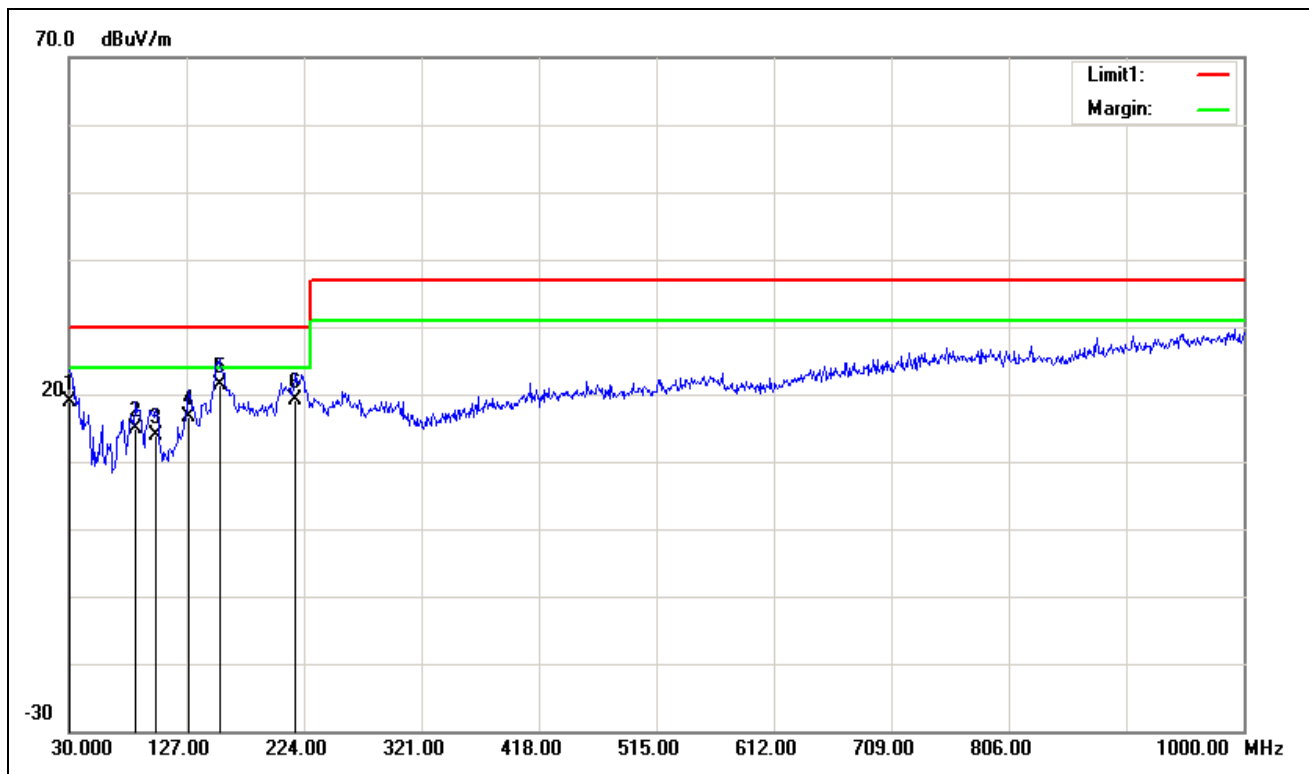
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:31:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 31



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.72	-4.71	16.01	30.00	-13.99	300	318	QP
2	60.0700	29.85	-15.87	13.98	30.00	-16.02	400	222	QP
3	193.9300	30.36	-13.01	17.35	30.00	-12.65	300	286	QP
4	218.8000	35.21	-12.98	22.23	30.00	-7.77	400	360	QP
5	876.8100	21.26	1.80	23.06	37.00	-13.94	100	34	QP
6	982.5400	22.75	1.28	24.03	37.00	-12.97	400	119	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:03:10
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 32

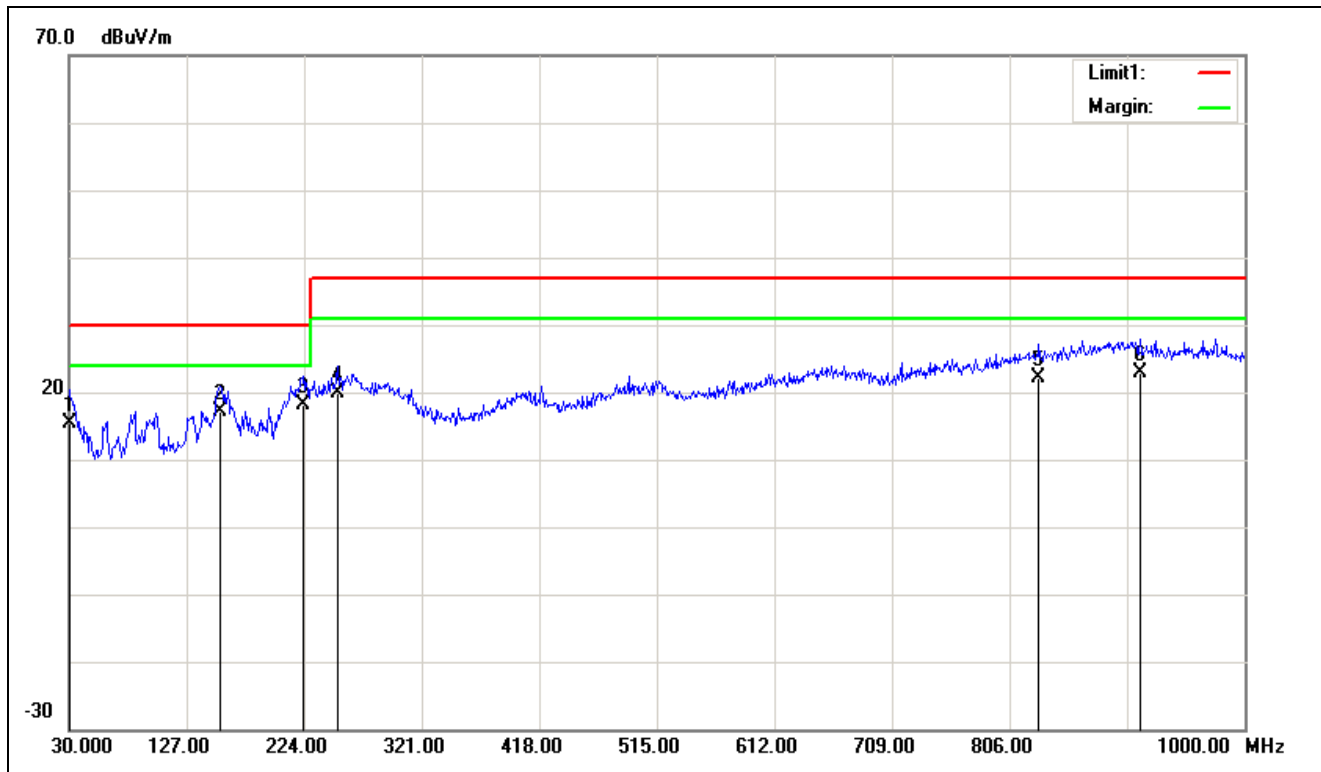


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.78	-7.01	18.77	30.00	-11.23	100	0	QP
2	85.2900	33.04	-18.21	14.83	30.00	-15.17	200	179	QP
3	101.7800	31.24	-17.30	13.94	30.00	-16.06	200	276	QP
4	128.9400	31.68	-15.06	16.62	30.00	-13.38	300	199	QP
5	154.1600	34.82	-13.41	21.41	30.00	-8.59	100	261	QP
6	217.2100	33.78	-14.58	19.20	30.00	-10.80	100	51	QP

**Note:** 1. The other emission levels were very low against the limit.



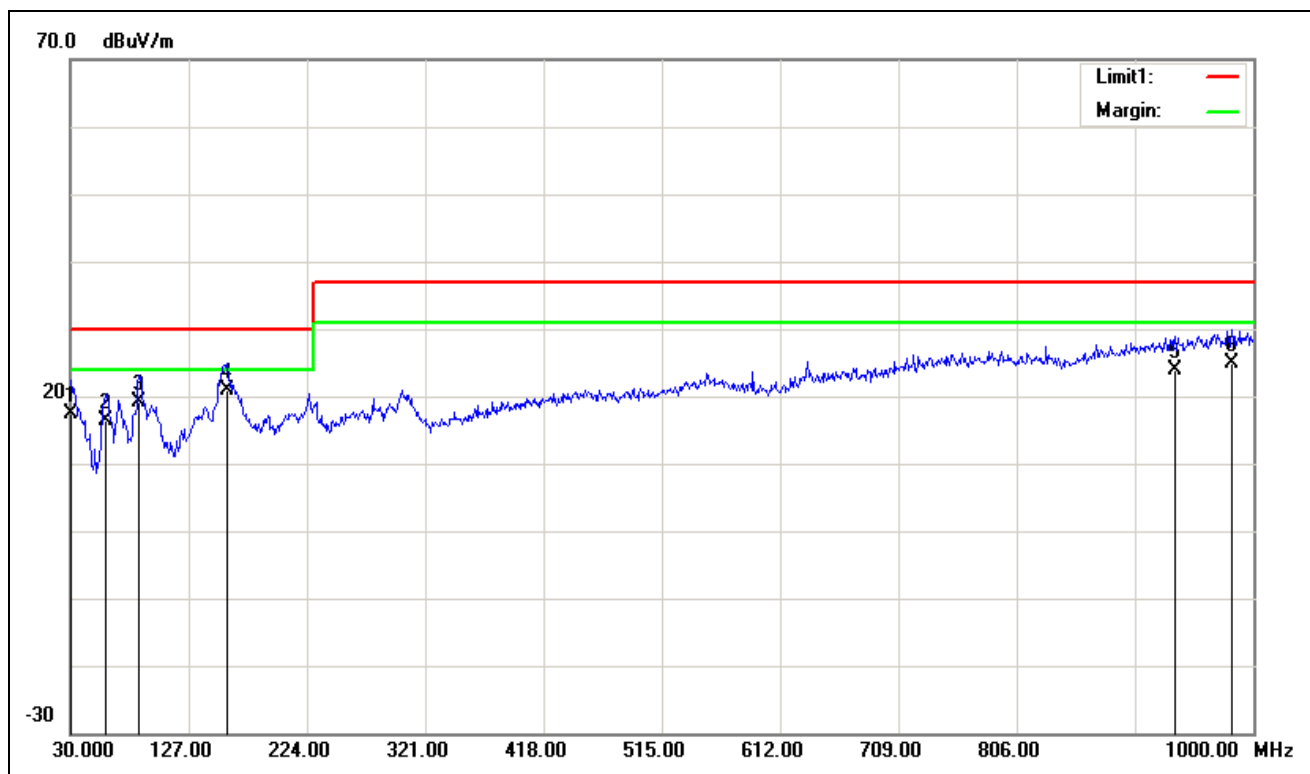
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:03:08
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 32



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.11	-4.71	15.40	30.00	-14.60	100	151	QP
2	155.1300	29.65	-12.64	17.01	30.00	-12.99	300	217	QP
3	223.0300	31.18	-12.95	18.23	30.00	-11.77	400	234	QP
4	251.1600	32.72	-12.76	19.96	37.00	-17.04	300	59	QP
5	830.2500	21.36	0.71	22.07	37.00	-14.93	200	0	QP
6	913.6700	20.86	2.06	22.92	37.00	-14.08	100	153	QP

**Note:** 1. The other emission levels were very low against the limit.

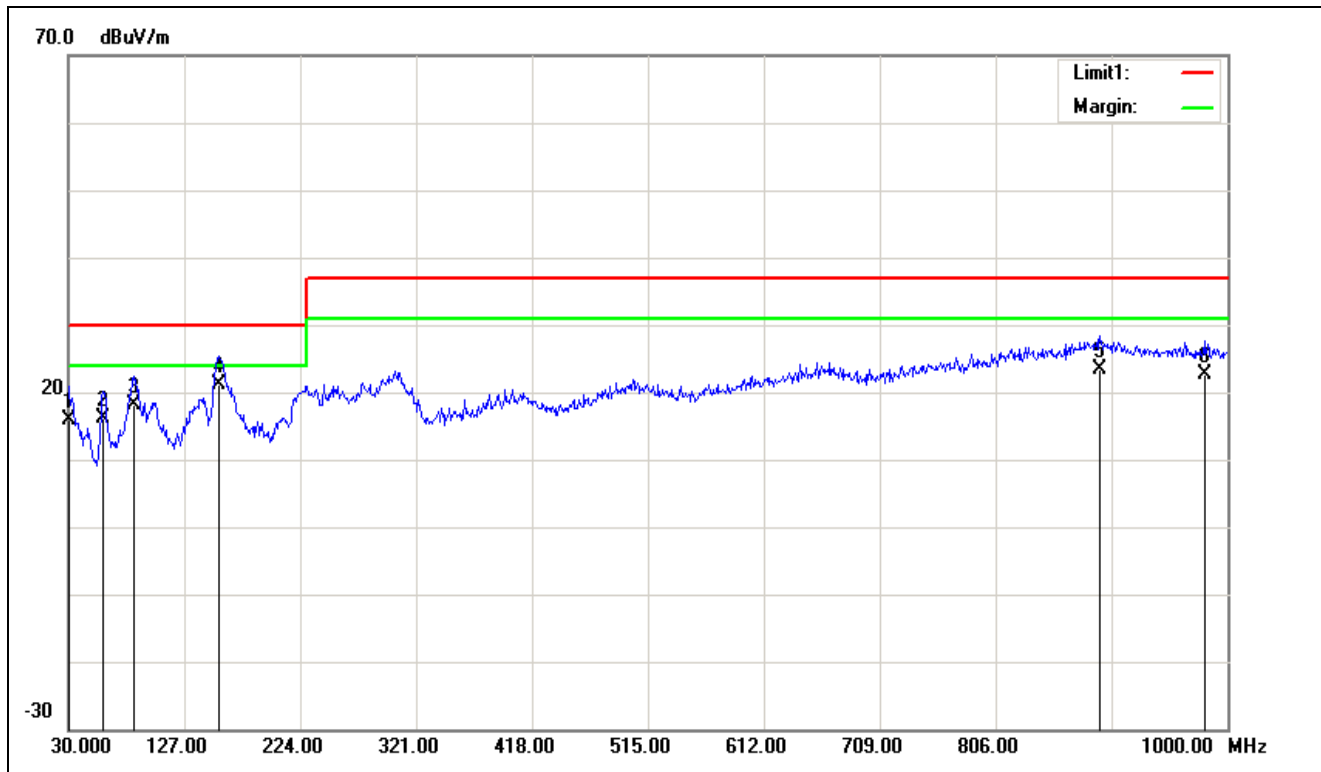
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:25:59
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 33



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.46	-7.01	17.45	30.00	-12.55	100	192	QP
2	59.1000	35.89	-19.55	16.34	30.00	-13.66	100	103	QP
3	86.2600	37.18	-18.16	19.02	30.00	-10.98	200	124	QP
4	158.0400	34.26	-13.49	20.77	30.00	-9.23	200	281	QP
5	935.9800	23.07	0.80	23.87	37.00	-13.13	400	90	QP
6	982.5400	23.07	1.69	24.76	37.00	-12.24	300	167	QP

**Note:** 1. The other emission levels were very low against the limit.

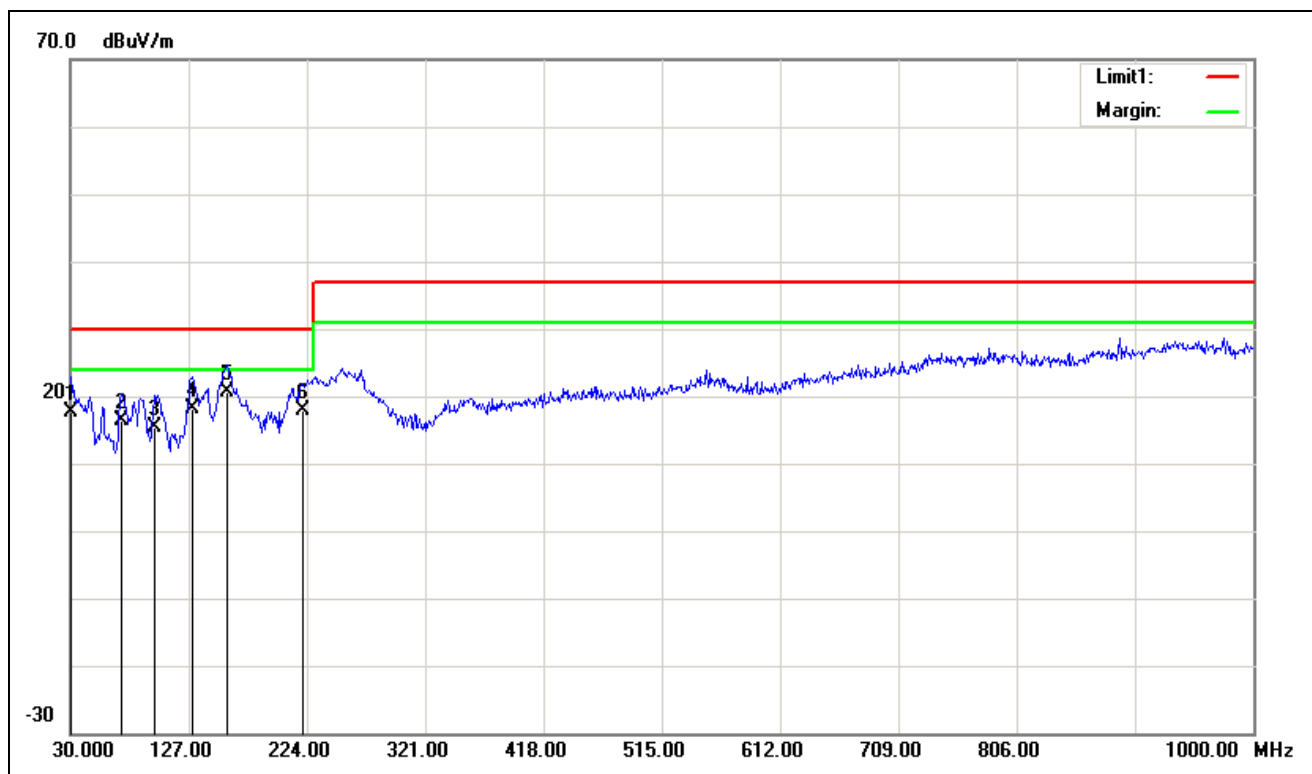
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:25:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 33



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.51	-4.71	15.80	30.00	-14.20	100	1	QP
2	59.1000	31.91	-15.90	16.01	30.00	-13.99	400	204	QP
3	84.3200	33.29	-15.13	18.16	30.00	-11.84	200	270	QP
4	156.1000	33.82	-12.65	21.17	30.00	-8.83	400	57	QP
5	893.3000	21.15	2.12	23.27	37.00	-13.73	100	245	QP
6	980.6000	21.25	1.29	22.54	37.00	-14.46	300	57	QP

**Note:** 1. The other emission levels were very low against the limit.

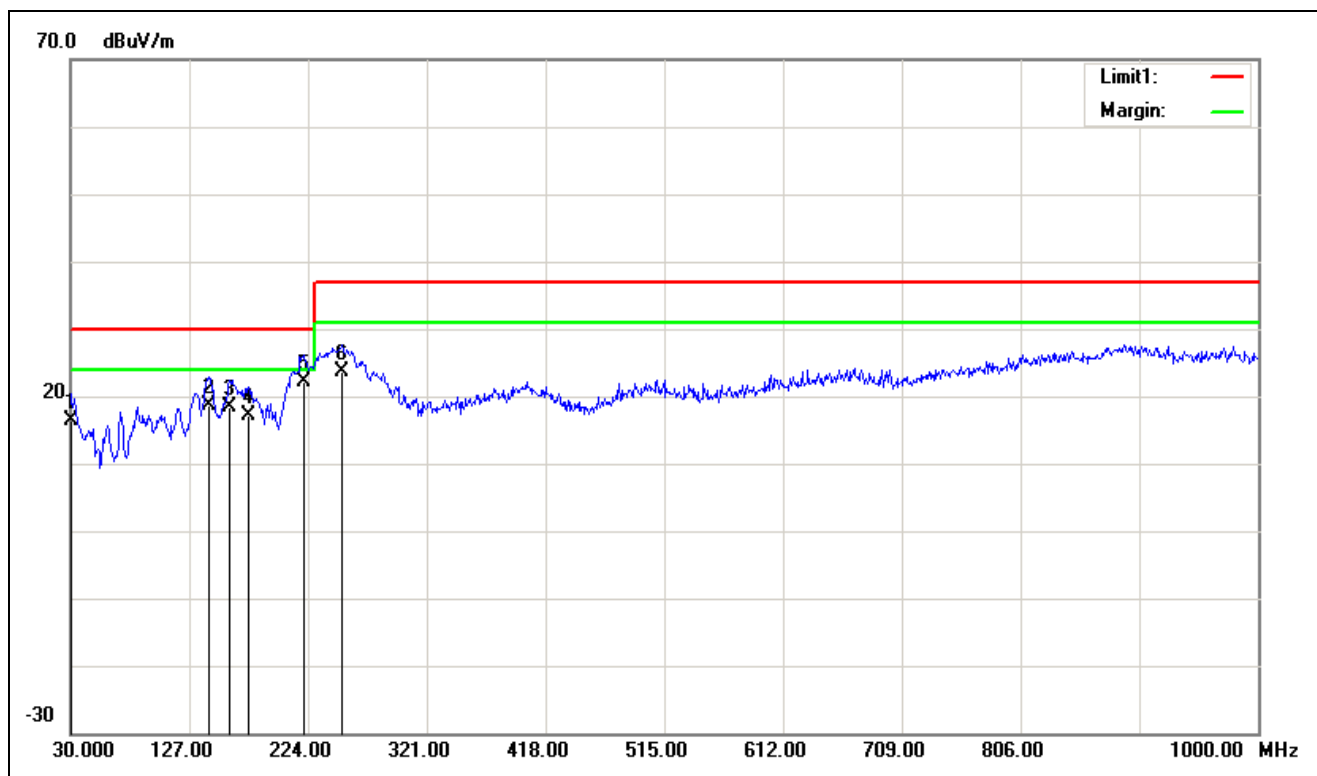
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:23:06:47
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 34



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.70	-7.01	17.69	30.00	-12.31	200	258	QP
2	71.7100	35.35	-18.90	16.45	30.00	-13.55	100	360	QP
3	98.8700	32.77	-17.51	15.26	30.00	-14.74	300	72	QP
4	129.9100	33.15	-14.98	18.17	30.00	-11.83	200	85	QP
5	158.0400	34.13	-13.49	20.64	30.00	-9.36	100	292	QP
6	221.0900	32.59	-14.63	17.96	30.00	-12.04	100	357	QP

**Note:** 1. The other emission levels were very low against the limit.

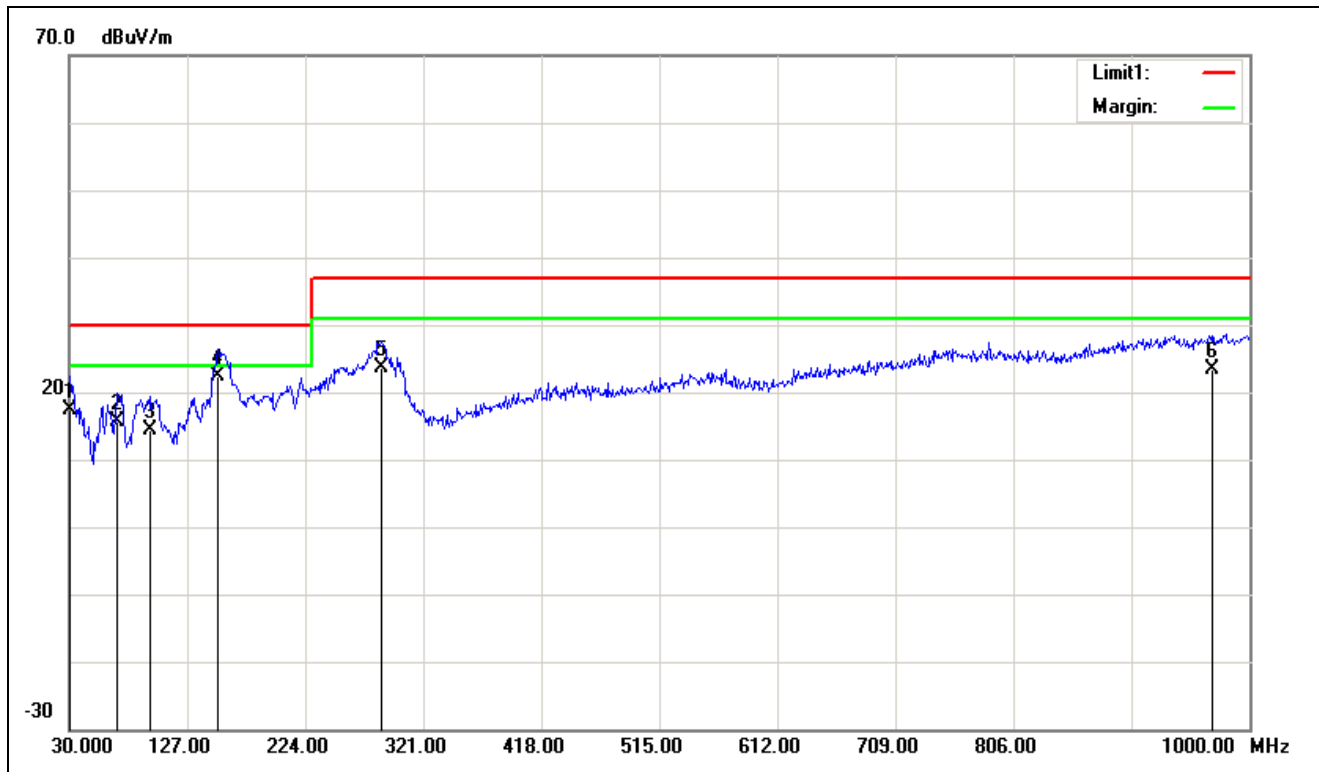
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:23:06:45
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 34



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.01	-4.71	16.30	30.00	-13.70	300	207	QP
2	142.5200	31.62	-12.90	18.72	30.00	-11.28	400	99	QP
3	159.9800	31.09	-12.69	18.40	30.00	-11.60	400	115	QP
4	175.5000	30.02	-12.83	17.19	30.00	-12.81	400	128	QP
5	220.1200	34.98	-12.97	22.01	30.00	-7.99	300	269	QP
6	252.1300	36.23	-12.72	23.51	37.00	-13.49	300	93	QP

**Note:** 1. The other emission levels were very low against the limit.

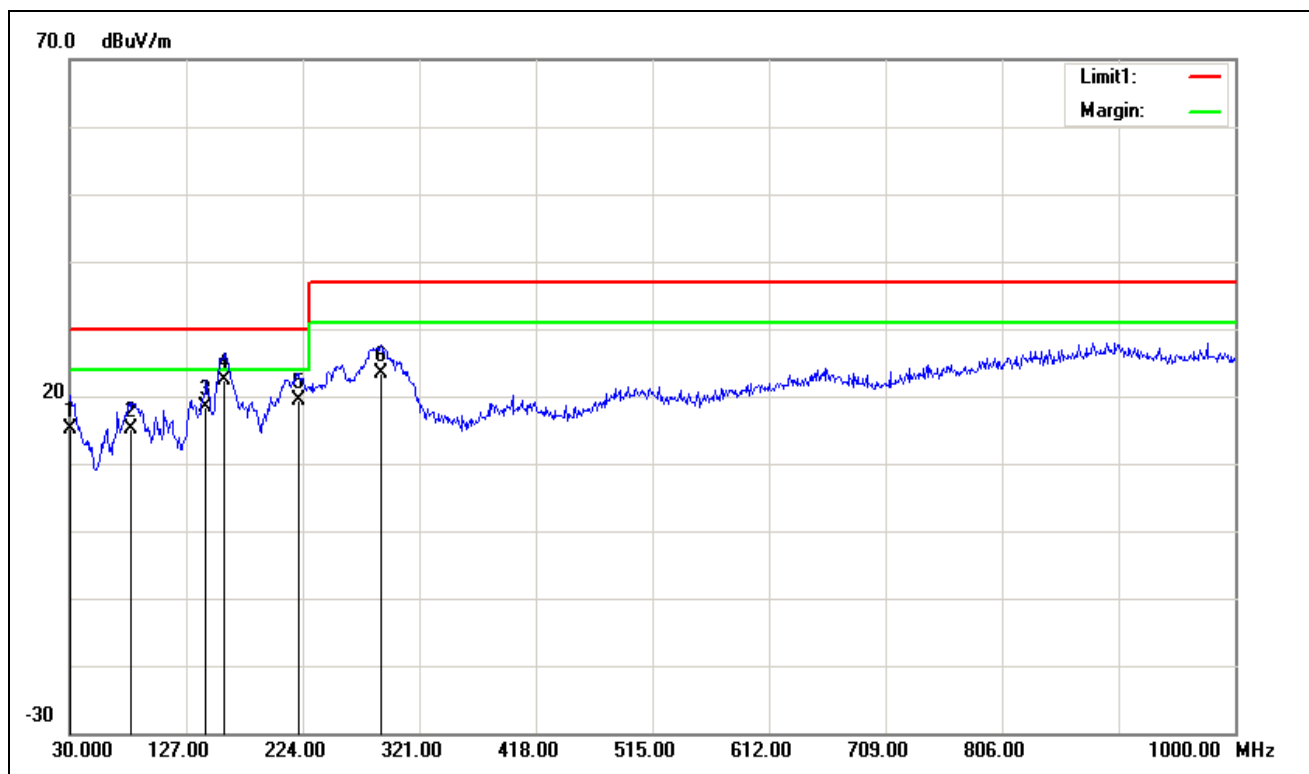
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:33:03
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 35



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.41	-7.01	17.40	30.00	-12.60	100	208	QP
2	69.7700	34.72	-19.00	15.72	30.00	-14.28	100	19	QP
3	95.9600	31.92	-17.66	14.26	30.00	-15.74	400	90	QP
4	152.2200	35.71	-13.37	22.34	30.00	-7.66	100	261	QP
5	287.0500	36.67	-12.96	23.71	37.00	-13.29	400	144	QP
6	969.9300	22.04	1.45	23.49	37.00	-13.51	200	53	QP

**Note:** 1. The other emission levels were very low against the limit.

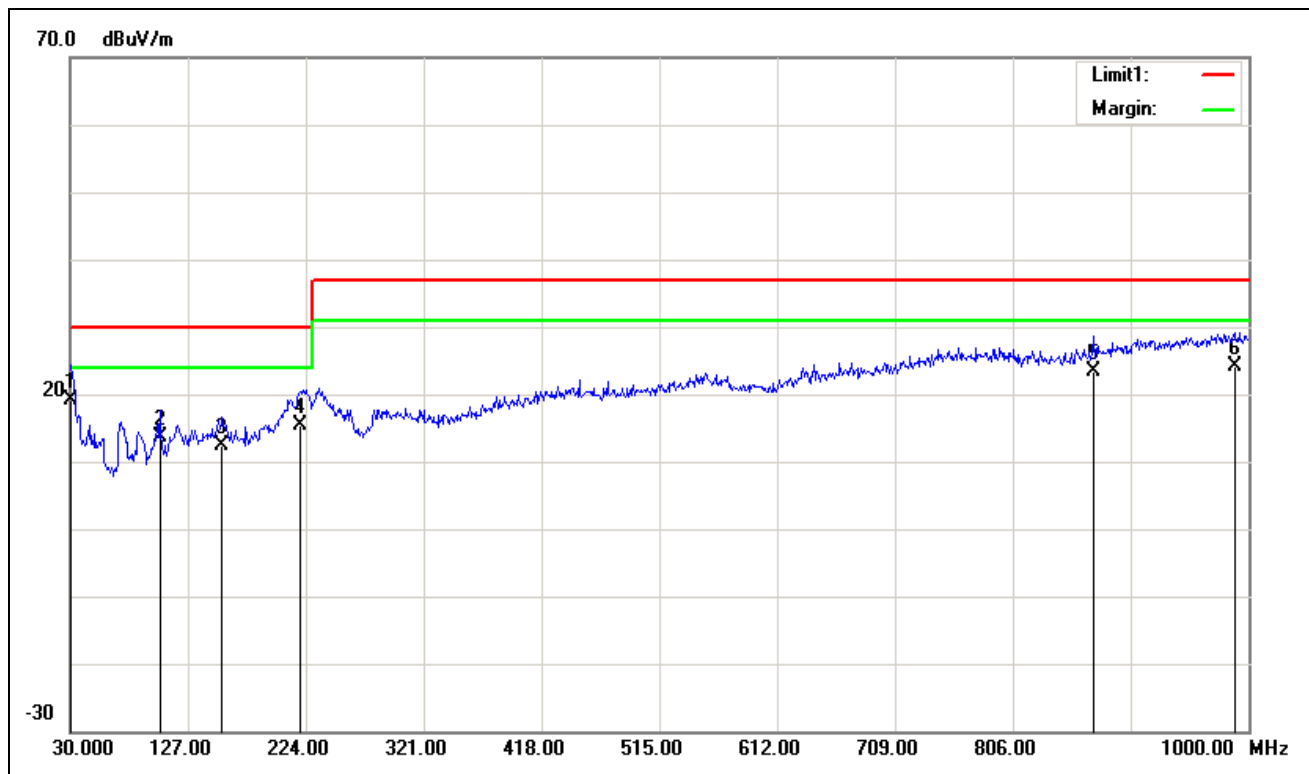
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:33:01
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 35



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	20.48	-5.27	15.21	30.00	-14.79	300	258	QP
2	81.4100	30.33	-15.22	15.11	30.00	-14.89	400	252	QP
3	143.4900	31.21	-12.86	18.35	30.00	-11.65	400	95	QP
4	159.0100	35.00	-12.68	22.32	30.00	-7.68	400	99	QP
5	221.0900	32.36	-12.96	19.40	30.00	-10.60	400	288	QP
6	288.9900	34.40	-10.94	23.46	37.00	-13.54	300	90	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:19:33
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 36

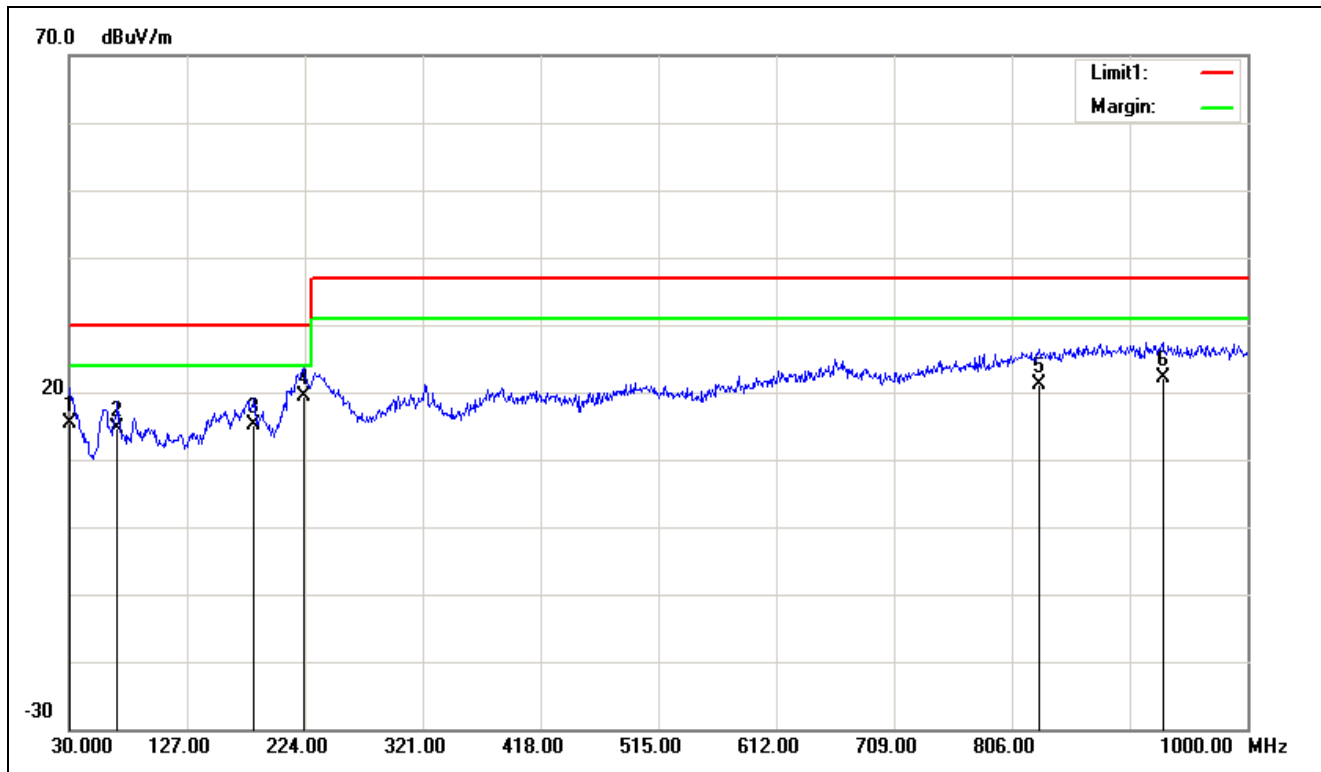


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	26.03	-7.01	19.02	30.00	-10.98	100	0	QP
2	103.7200	30.65	-17.14	13.51	30.00	-16.49	100	345	QP
3	155.1300	25.90	-13.43	12.47	30.00	-17.53	400	359	QP
4	219.1500	30.00	-14.60	15.40	30.00	-14.60	100	81	QP
5	871.9600	24.26	-0.84	23.42	37.00	-13.58	300	0	QP
6	988.3600	22.22	1.81	24.03	37.00	-12.97	300	124	QP

**Note:** 1. The other emission levels were very low against the limit.



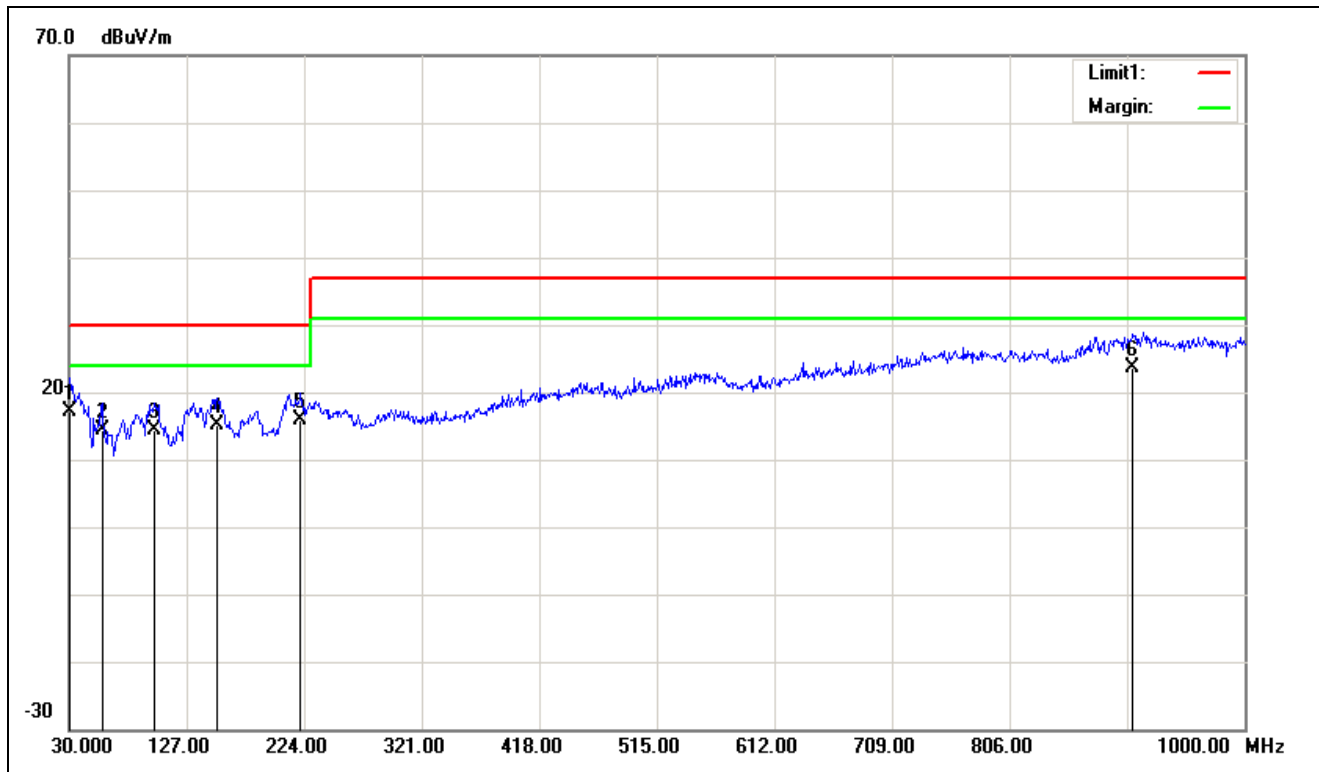
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:19:31
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 36



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.18	-4.71	15.47	30.00	-14.53	100	127	QP
2	69.7700	30.19	-15.57	14.62	30.00	-15.38	400	230	QP
3	182.2900	27.93	-12.90	15.03	30.00	-14.97	400	279	QP
4	223.0300	32.41	-12.95	19.46	30.00	-10.54	300	277	QP
5	828.3100	20.37	0.66	21.03	37.00	-15.97	100	103	QP
6	930.1600	20.36	1.84	22.20	37.00	-14.80	200	293	QP

**Note:** 1. The other emission levels were very low against the limit.

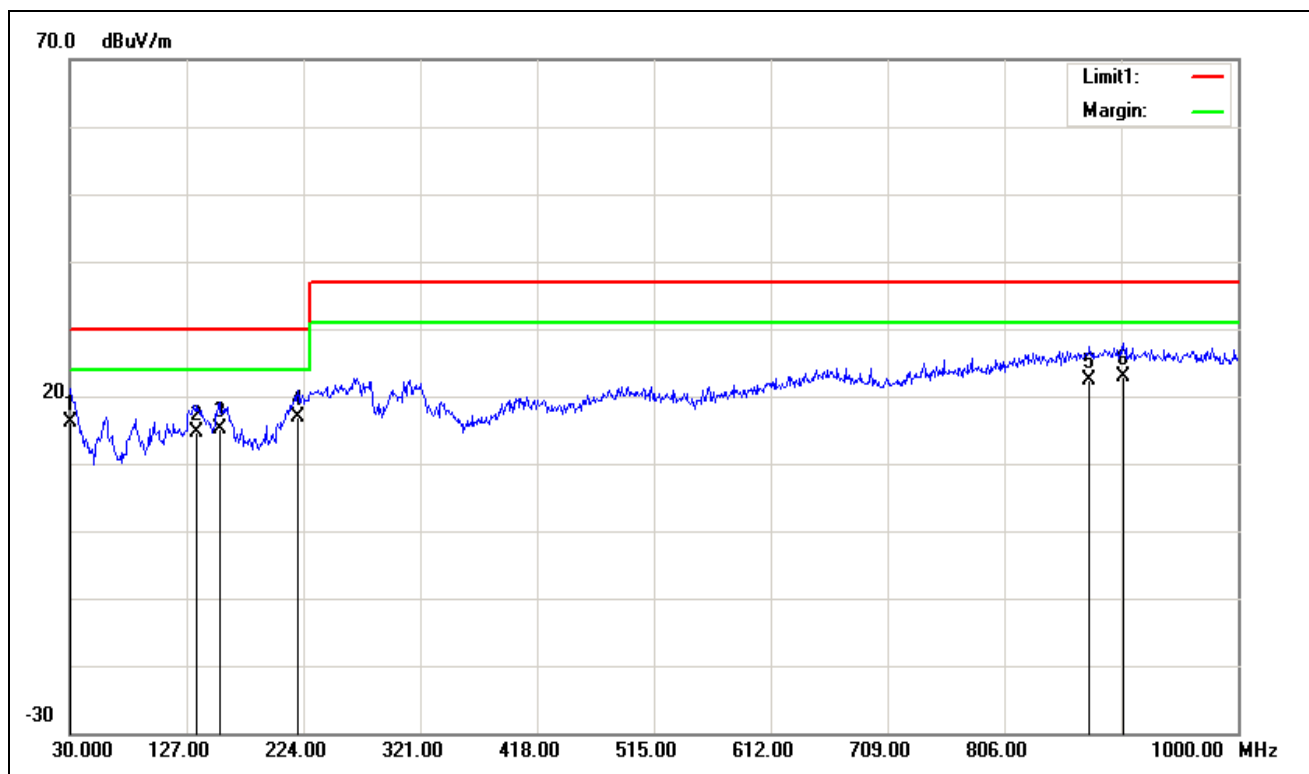
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:50:38
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 37



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.21	-7.01	17.20	30.00	-12.80	100	305	QP
2	57.1600	34.03	-19.65	14.38	30.00	-15.62	100	117	QP
3	99.8400	31.90	-17.46	14.44	30.00	-15.56	100	323	QP
4	152.2200	28.44	-13.37	15.07	30.00	-14.93	100	134	QP
5	221.0900	30.41	-14.63	15.78	30.00	-14.22	100	192	QP
6	907.8500	23.26	0.26	23.52	37.00	-13.48	200	323	QP

**Note:** 1. The other emission levels were very low against the limit.

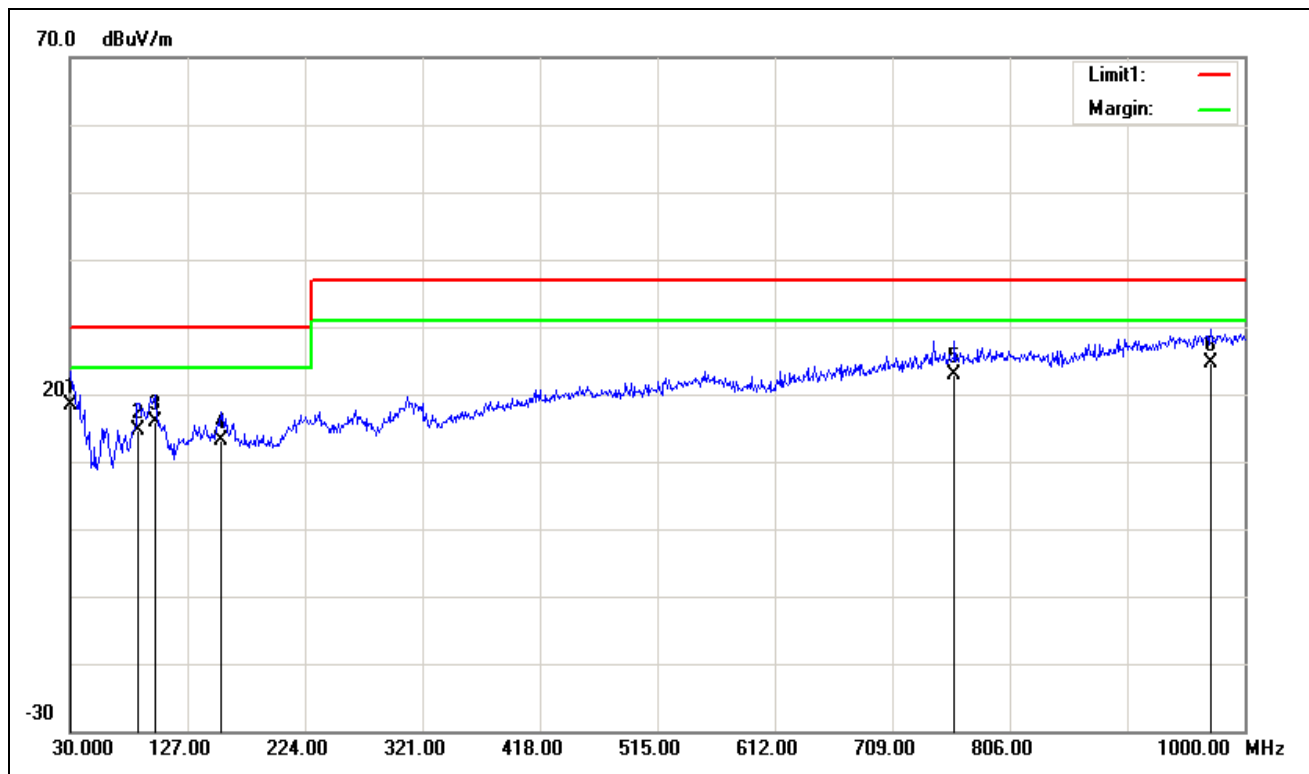
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:50:36
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 37



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	21.42	-5.27	16.15	30.00	-13.85	300	344	QP
2	134.7600	27.96	-13.22	14.74	30.00	-15.26	400	115	QP
3	154.1600	27.65	-12.63	15.02	30.00	-14.98	400	115	QP
4	219.1500	29.78	-12.97	16.81	30.00	-13.19	400	270	QP
5	876.8100	20.69	1.80	22.49	37.00	-14.51	400	191	QP
6	904.9400	20.64	2.18	22.82	37.00	-14.18	400	185	QP

**Note:** 1. The other emission levels were very low against the limit.

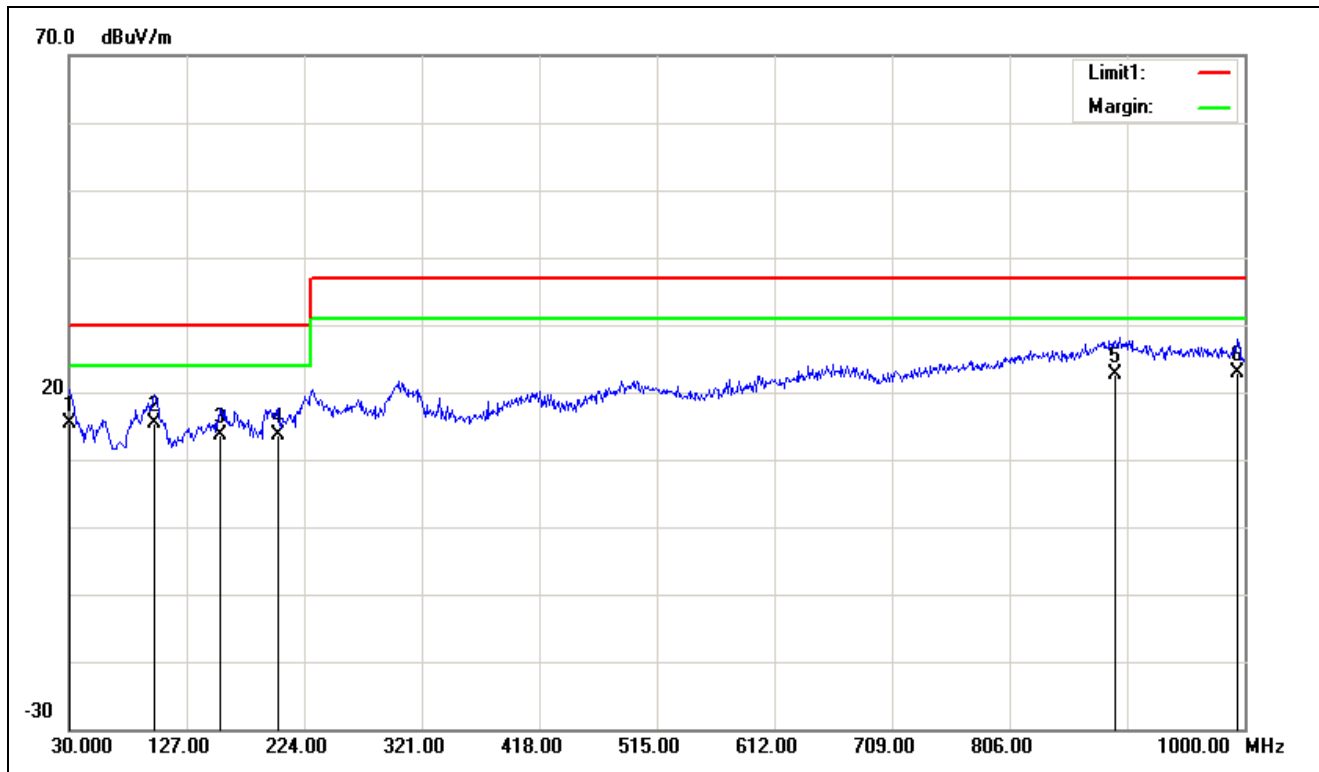
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:12:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 38



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.32	-7.01	18.31	30.00	-11.69	400	95	QP
2	86.2600	32.90	-18.16	14.74	30.00	-15.26	200	226	QP
3	99.8400	33.26	-17.46	15.80	30.00	-14.20	100	253	QP
4	154.1600	26.63	-13.41	13.22	30.00	-16.78	100	305	QP
5	760.4100	24.65	-1.76	22.89	37.00	-14.11	200	222	QP
6	971.8700	23.12	1.49	24.61	37.00	-12.39	300	332	QP

**Note:** 1. The other emission levels were very low against the limit.

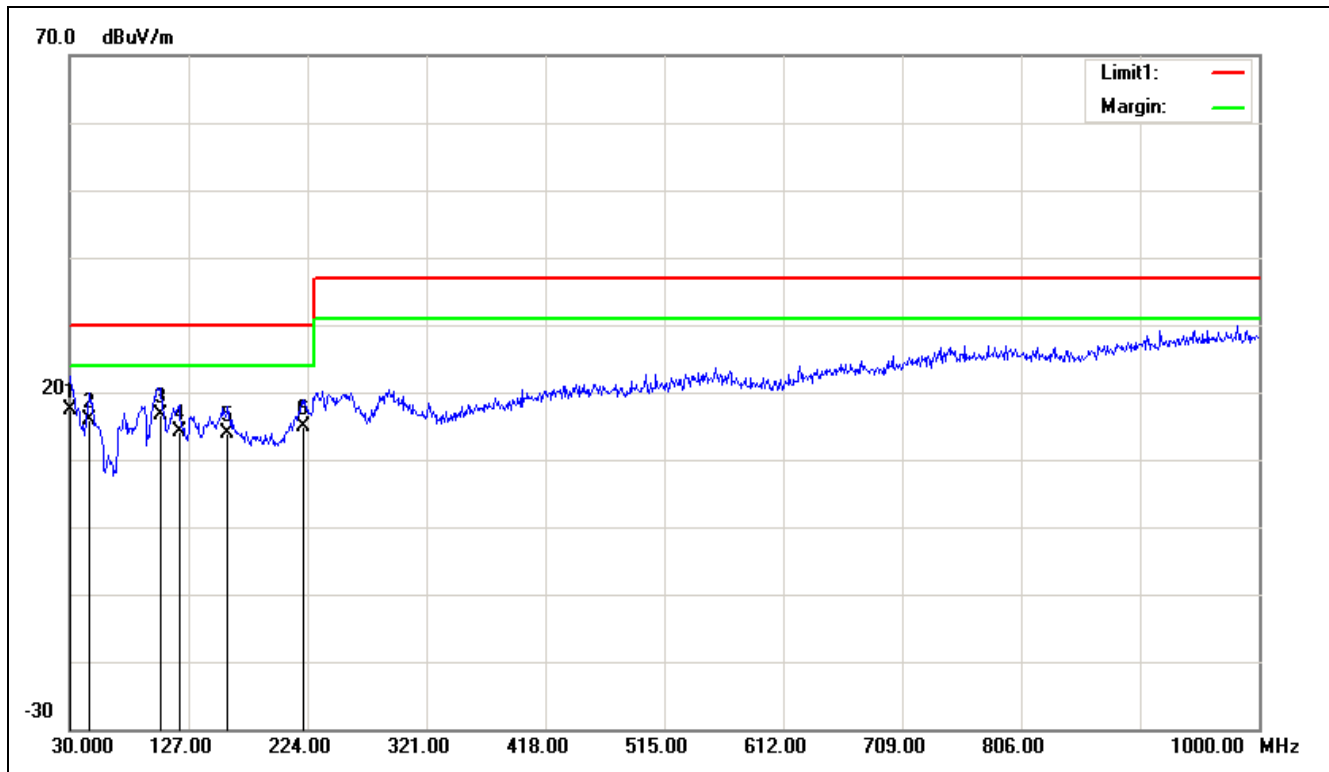
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:12:56
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 38



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.15	-4.71	15.44	30.00	-14.56	200	297	QP
2	99.8400	30.12	-14.66	15.46	30.00	-14.54	400	262	QP
3	155.1300	26.34	-12.64	13.70	30.00	-16.30	400	292	QP
4	202.6600	26.69	-13.06	13.63	30.00	-16.37	400	275	QP
5	893.3000	20.52	2.12	22.64	37.00	-14.36	400	54	QP
6	994.1800	21.74	1.17	22.91	37.00	-14.09	200	143	QP

**Note:** 1. The other emission levels were very low against the limit.

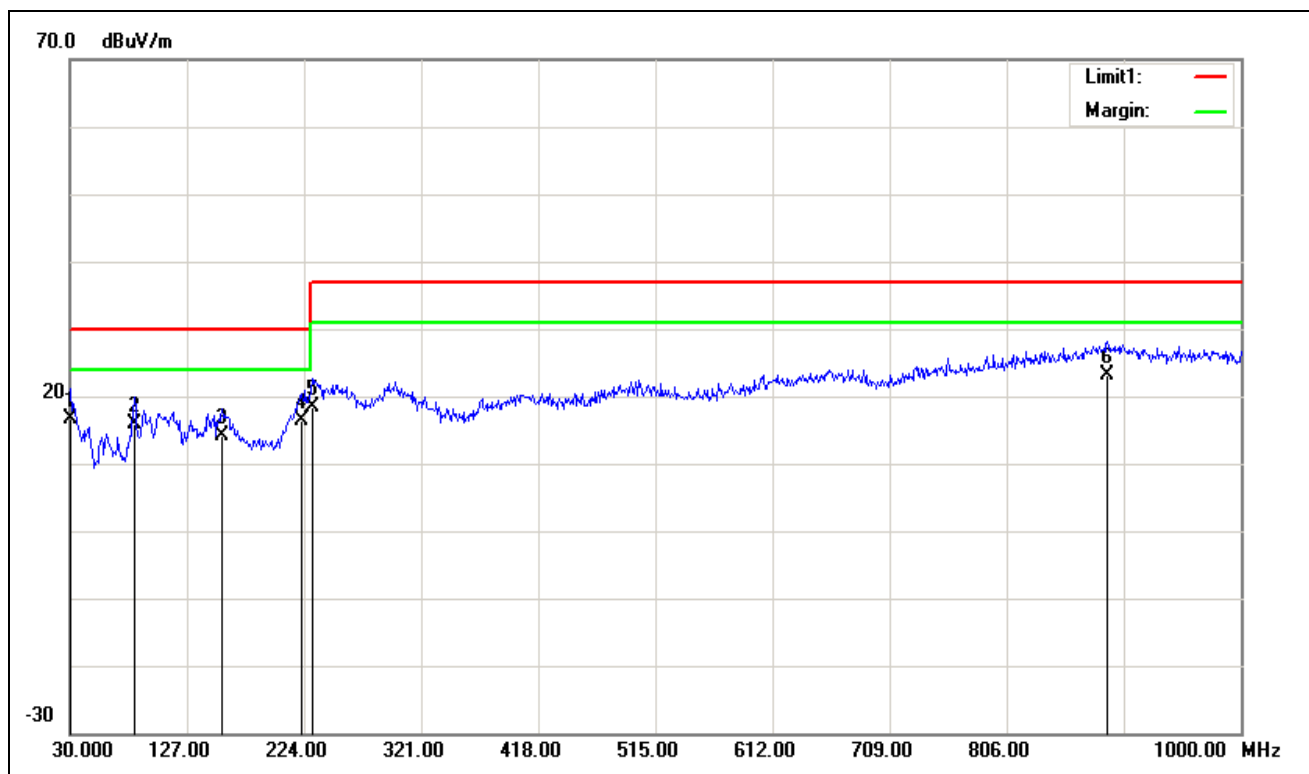
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:13:18
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 39



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.77	-6.35	17.42	30.00	-12.58	200	121	QP
2	46.4900	33.52	-17.62	15.90	30.00	-14.10	100	230	QP
3	103.7200	33.85	-17.14	16.71	30.00	-13.29	300	44	QP
4	119.2400	30.04	-15.86	14.18	30.00	-15.82	100	216	QP
5	159.0100	27.30	-13.51	13.79	30.00	-16.21	100	212	QP
6	220.1200	29.52	-14.62	14.90	30.00	-15.10	100	14	QP

**Note:** 1. The other emission levels were very low against the limit.

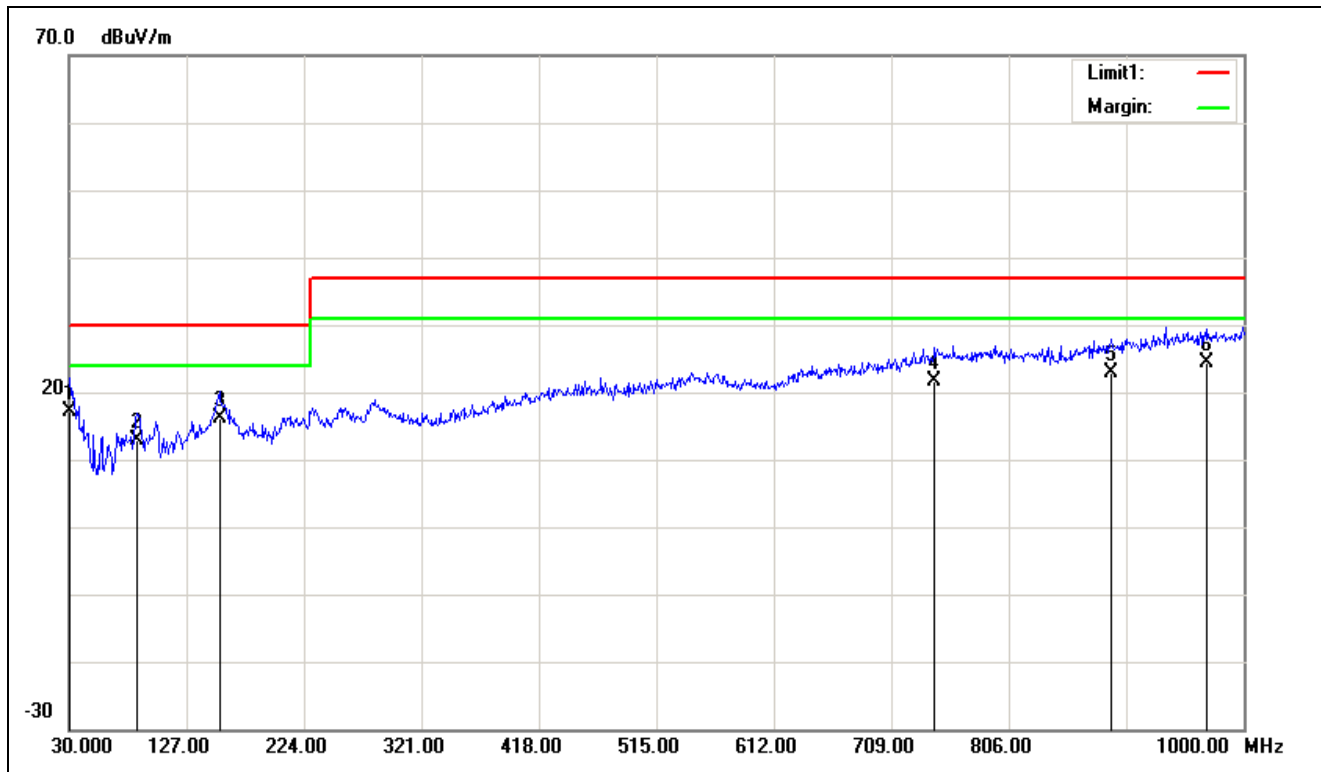
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:13:17
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 39



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.22	-4.71	16.51	30.00	-13.49	300	290	QP
2	83.3500	30.98	-15.16	15.82	30.00	-14.18	400	279	QP
3	156.1000	26.81	-12.65	14.16	30.00	-15.84	400	41	QP
4	222.0600	29.40	-12.96	16.44	30.00	-13.56	300	281	QP
5	230.7900	31.41	-12.92	18.49	37.00	-18.51	400	279	QP
6	889.4200	21.00	2.05	23.05	37.00	-13.95	100	309	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:47:27
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 40

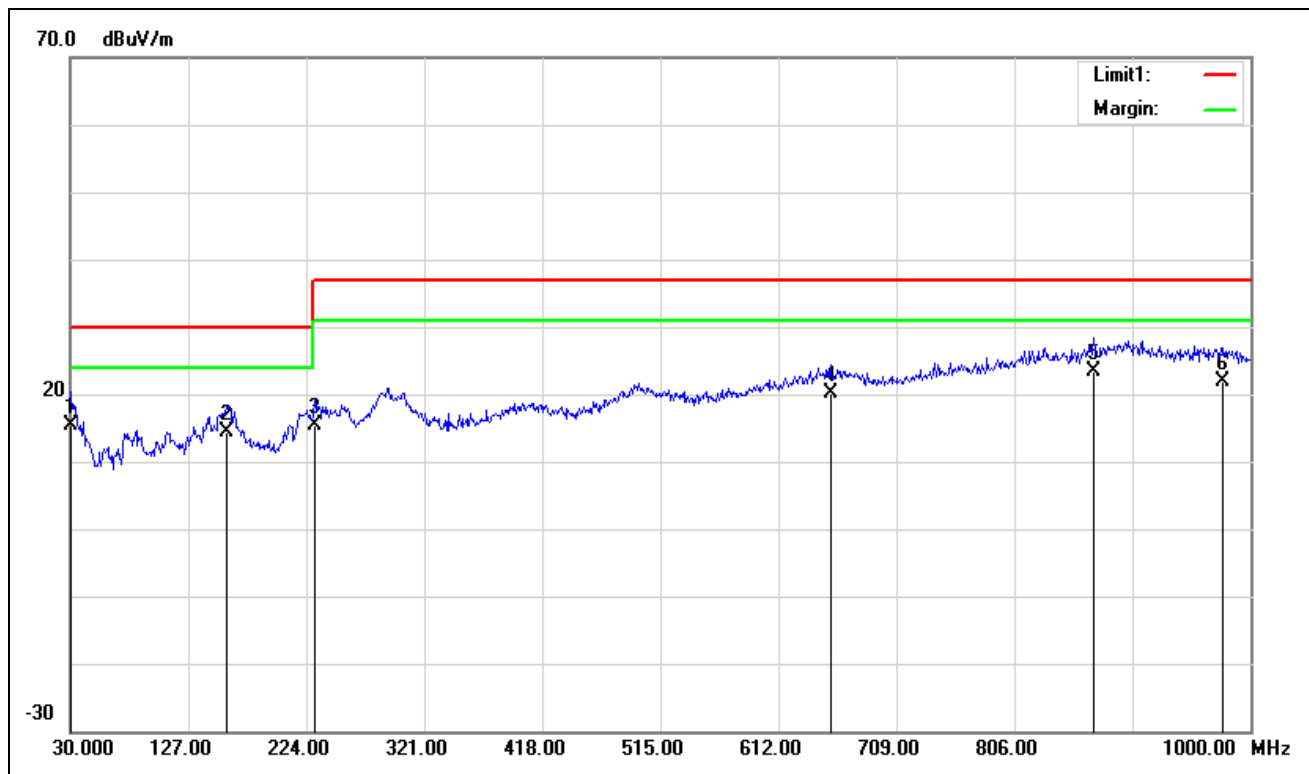


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.13	-7.01	17.12	30.00	-12.88	100	199	QP
2	86.2600	31.16	-18.16	13.00	30.00	-17.00	200	214	QP
3	154.1600	29.43	-13.41	16.02	30.00	-13.98	300	261	QP
4	744.8900	23.72	-1.98	21.74	37.00	-15.26	400	160	QP
5	890.3900	23.16	-0.22	22.94	37.00	-14.06	300	89	QP
6	969.9300	22.85	1.45	24.30	37.00	-12.70	100	98	QP

**Note:** 1. The other emission levels were very low against the limit.



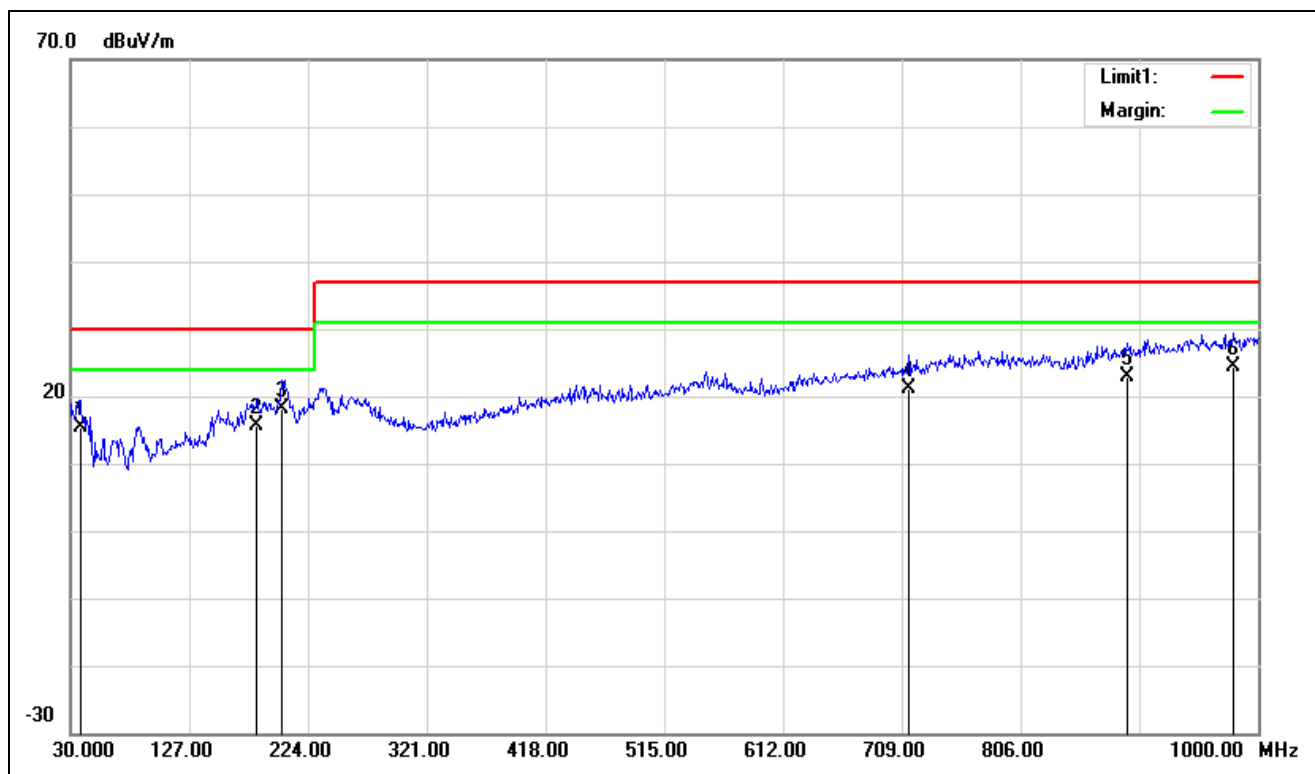
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	CISPR 22 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:47:26
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 40



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.21	-4.71	15.50	30.00	-14.50	100	155	QP
2	159.0100	26.99	-12.68	14.31	30.00	-15.69	400	336	QP
3	230.7900	28.25	-12.92	15.33	37.00	-21.67	300	95	QP
4	654.6800	22.27	-2.19	20.08	37.00	-16.92	200	160	QP
5	870.9900	21.77	1.69	23.46	37.00	-13.54	300	45	QP
6	976.7200	20.54	1.33	21.87	37.00	-15.13	100	351	QP

**Note:** 1. The other emission levels were very low against the limit.

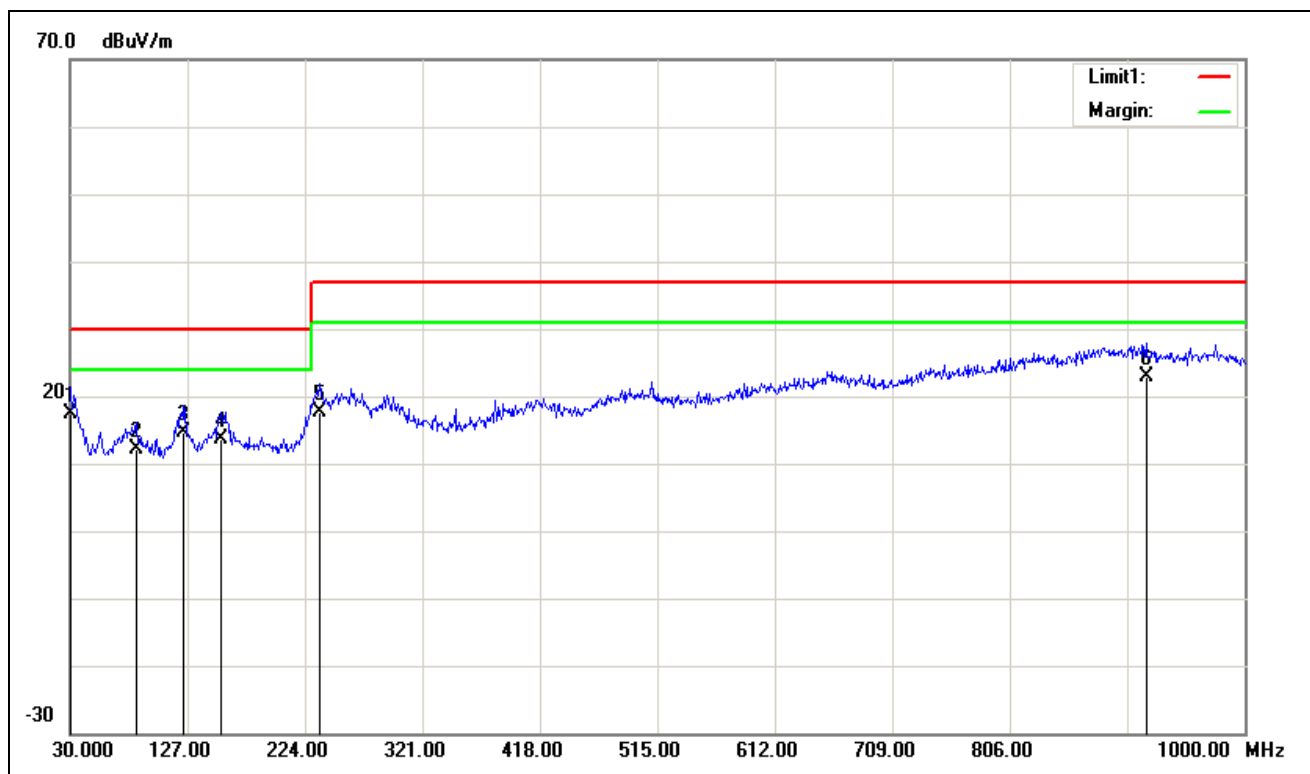
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:37:24
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 41



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	26.94	-11.65	15.29	30.00	-14.71	100	69	QP
2	182.2900	29.61	-14.01	15.60	30.00	-14.40	100	184	QP
3	202.6600	32.56	-14.42	18.14	30.00	-11.86	100	360	QP
4	714.8200	23.98	-2.94	21.04	37.00	-15.96	400	359	QP
5	893.3000	22.89	-0.12	22.77	37.00	-14.23	200	291	QP
6	979.6300	22.79	1.64	24.43	37.00	-12.57	100	194	QP

**Note:** 1. The other emission levels were very low against the limit.

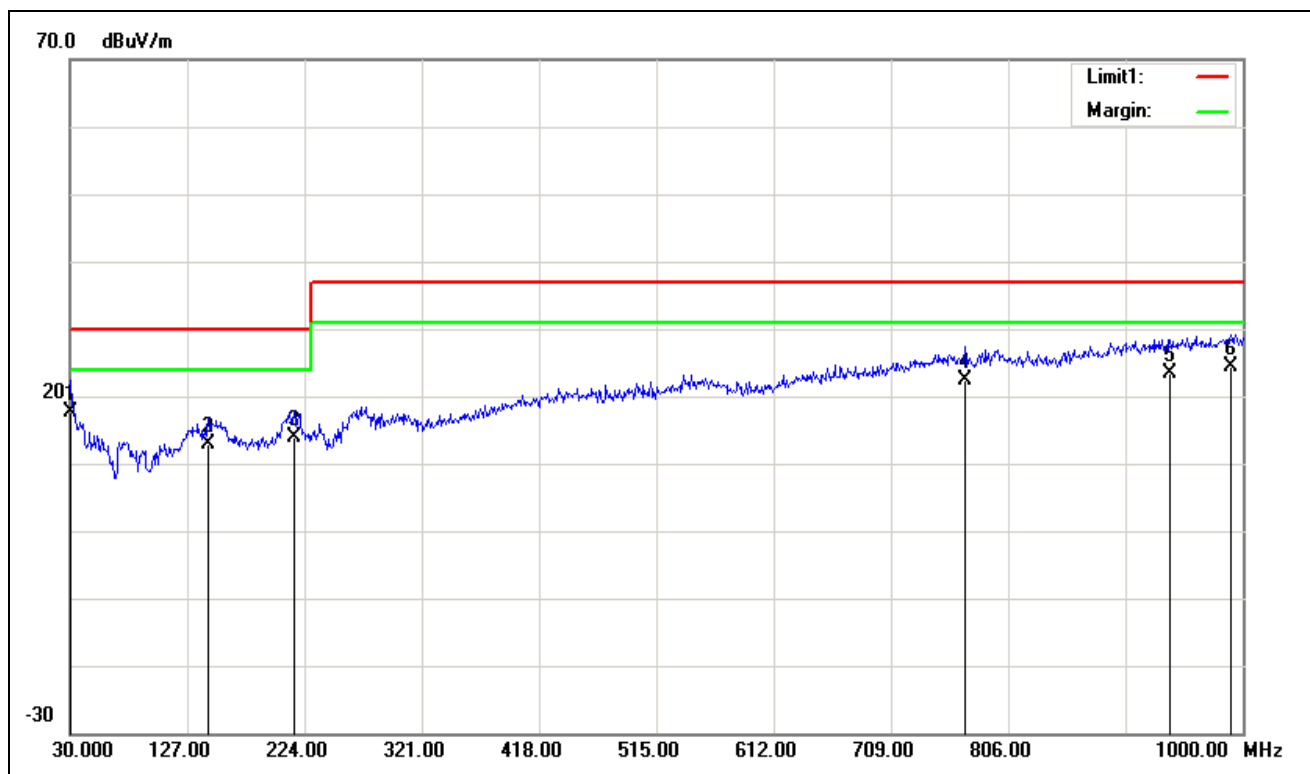
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:37:23
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 41



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	22.06	-4.71	17.35	30.00	-12.65	100	9	QP
2	84.3200	27.35	-15.13	12.22	30.00	-17.78	300	189	QP
3	124.0900	28.36	-13.66	14.70	30.00	-15.30	200	282	QP
4	155.1300	26.27	-12.64	13.63	30.00	-16.37	300	56	QP
5	236.6100	30.46	-12.89	17.57	37.00	-19.43	200	107	QP
6	918.5200	20.76	2.00	22.76	37.00	-14.24	400	0	QP

**Note:** 1. The other emission levels were very low against the limit.

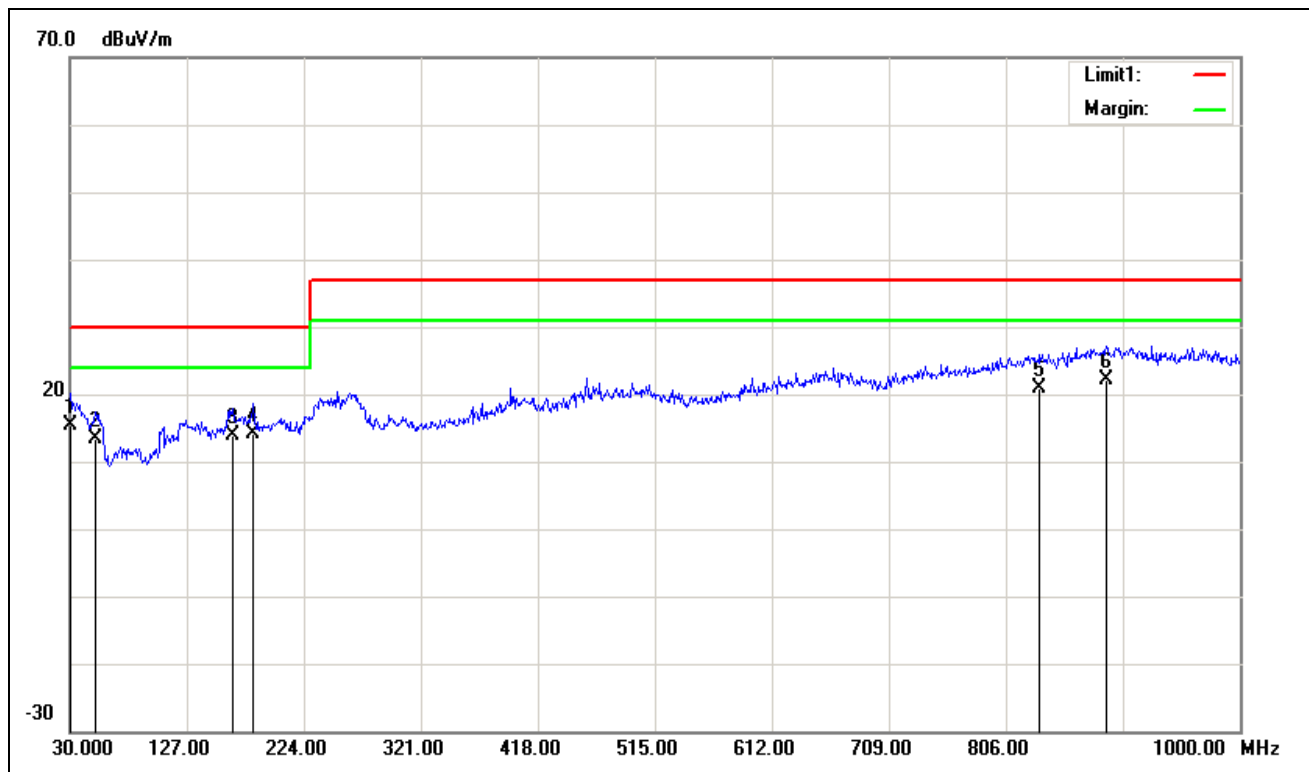
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:29:02
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 42



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.57	-7.01	17.56	30.00	-12.44	100	179	QP
2	144.4600	26.77	-13.78	12.99	30.00	-17.01	300	247	QP
3	215.2700	28.53	-14.56	13.97	30.00	-16.03	100	0	QP
4	770.1100	24.02	-1.71	22.31	37.00	-14.69	300	352	QP
5	939.8600	22.61	0.88	23.49	37.00	-13.51	400	16	QP
6	990.3000	22.42	1.84	24.26	37.00	-12.74	200	345	QP

**Note:** 1. The other emission levels were very low against the limit.

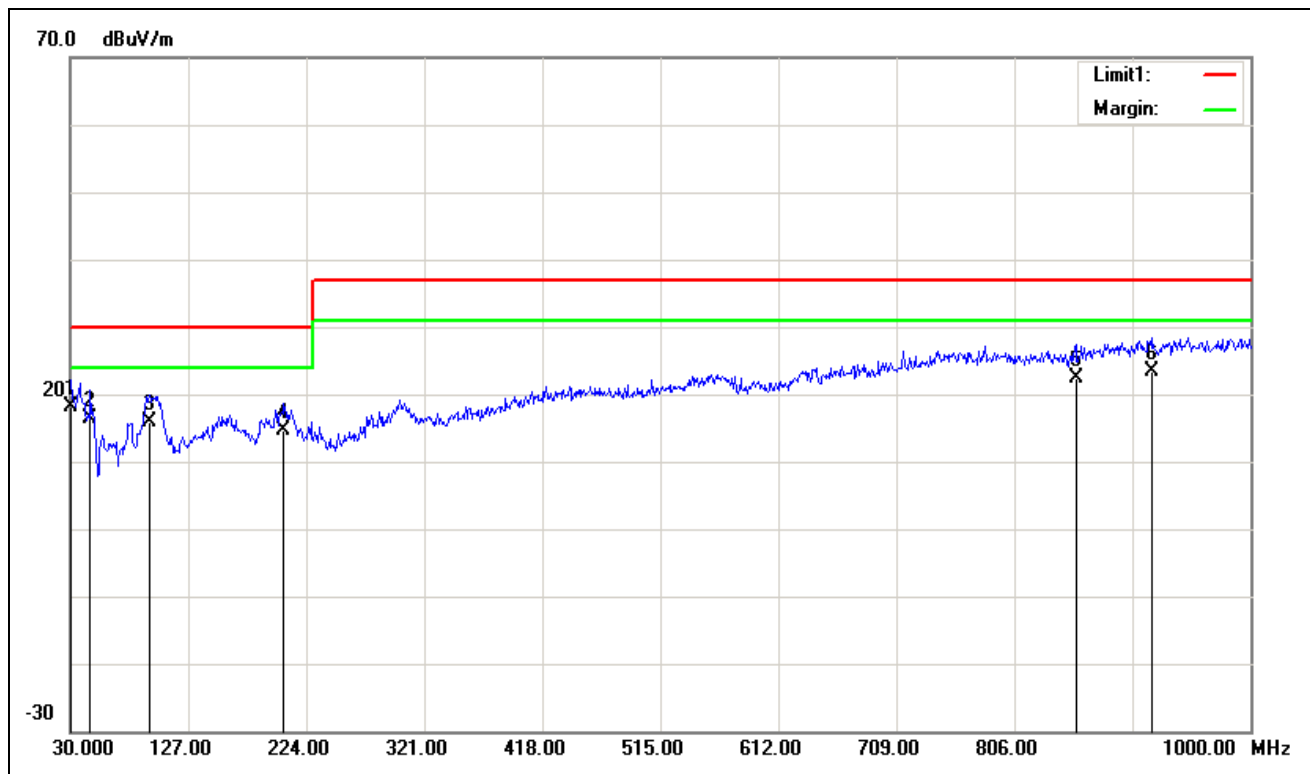
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:29:00
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 42



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	20.57	-5.27	15.30	30.00	-14.70	100	303	QP
2	51.3400	29.45	-16.13	13.32	30.00	-16.68	300	28	QP
3	164.8300	26.70	-12.73	13.97	30.00	-16.03	200	163	QP
4	182.2900	27.05	-12.90	14.15	30.00	-15.85	300	301	QP
5	834.1300	20.05	0.83	20.88	37.00	-16.12	300	293	QP
6	889.4200	20.09	2.05	22.14	37.00	-14.86	400	0	QP

**Note:** 1. The other emission levels were very low against the limit.

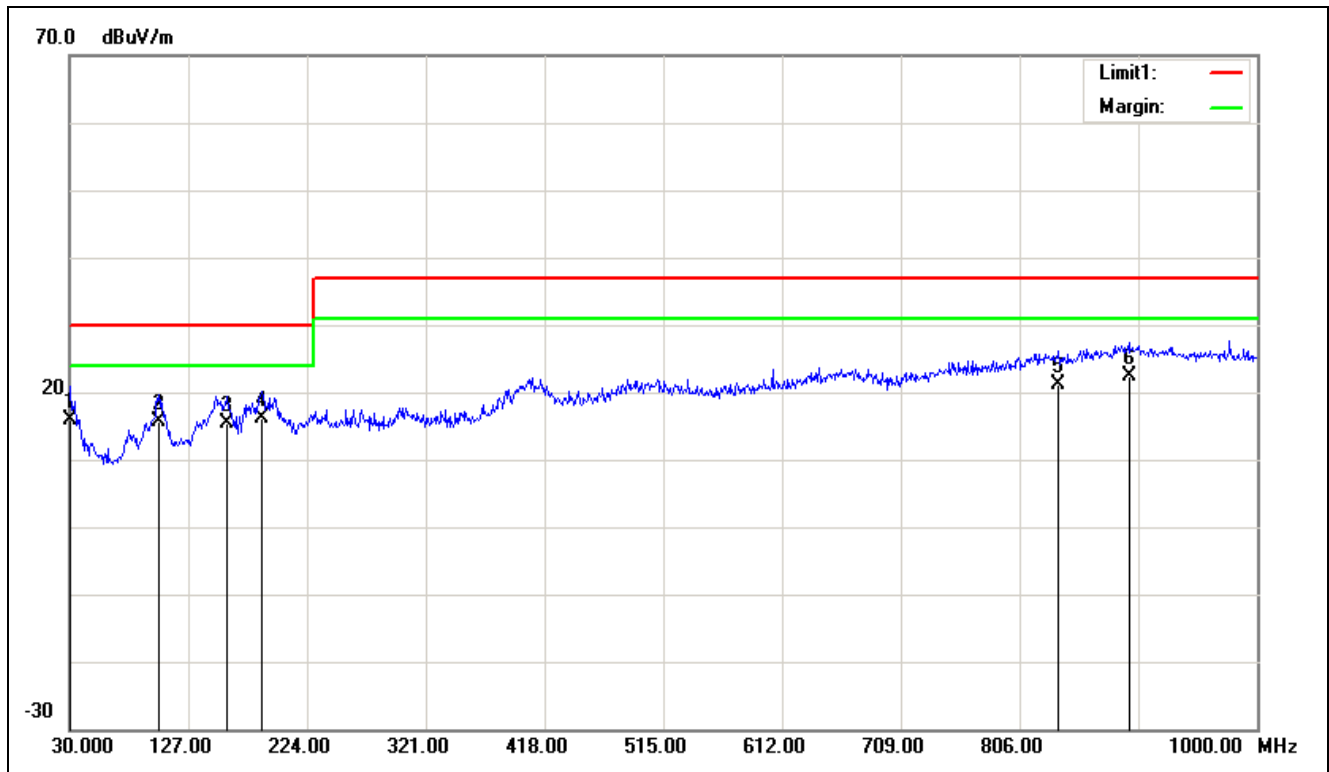
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:53:13
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 43



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.05	-7.01	18.04	30.00	-11.96	100	297	QP
2	46.4900	34.07	-17.62	16.45	30.00	-13.55	100	145	QP
3	94.9900	33.71	-17.71	16.00	30.00	-14.00	300	309	QP
4	205.5700	29.07	-14.45	14.62	30.00	-15.38	200	11	QP
5	856.4400	23.84	-1.37	22.47	37.00	-14.53	200	184	QP
6	919.4900	22.93	0.48	23.41	37.00	-13.59	300	188	QP

**Note:** 1. The other emission levels were very low against the limit.

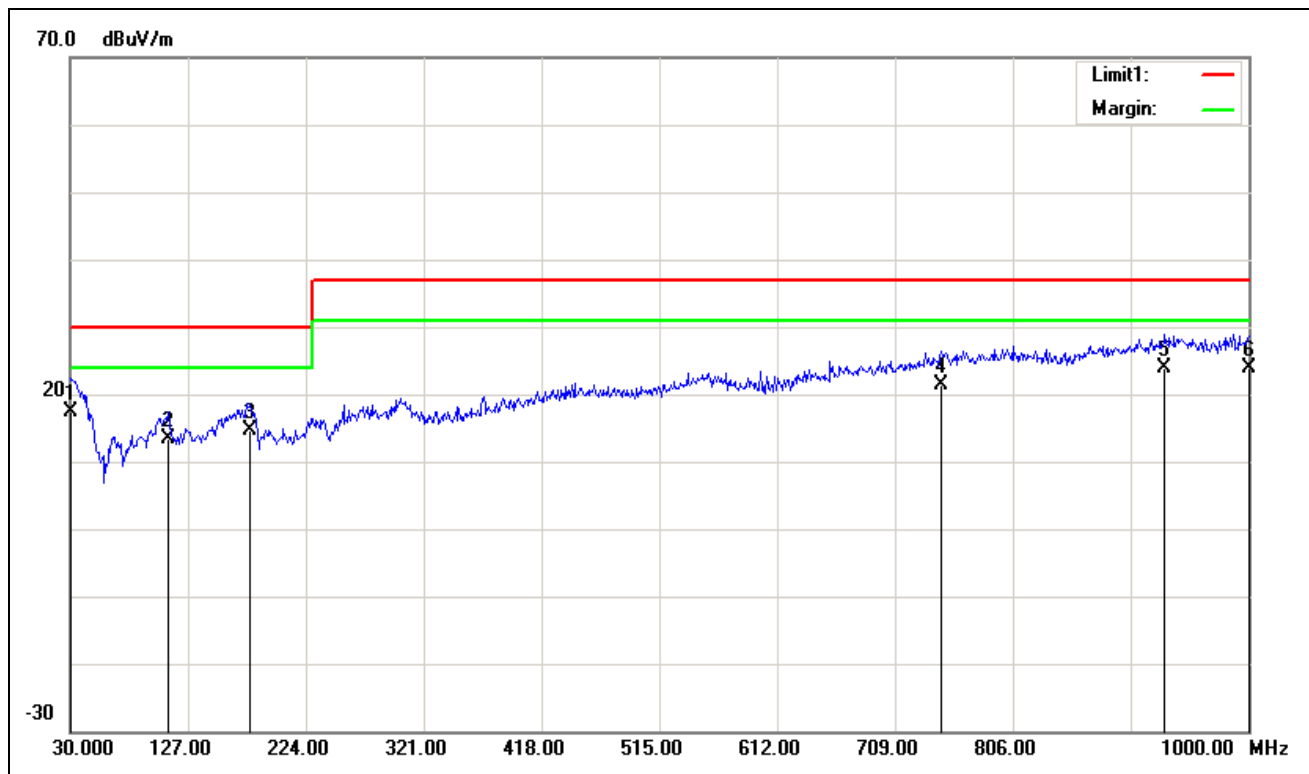
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:53:12
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 43



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.62	-4.71	15.91	30.00	-14.09	400	36	QP
2	102.7500	30.18	-14.55	15.63	30.00	-14.37	400	360	QP
3	159.0100	28.02	-12.68	15.34	30.00	-14.66	400	358	QP
4	187.1400	29.15	-12.95	16.20	30.00	-13.80	300	0	QP
5	838.0100	20.30	0.94	21.24	37.00	-15.76	300	0	QP
6	895.2400	20.11	2.16	22.27	37.00	-14.73	100	342	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:41:10
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 44

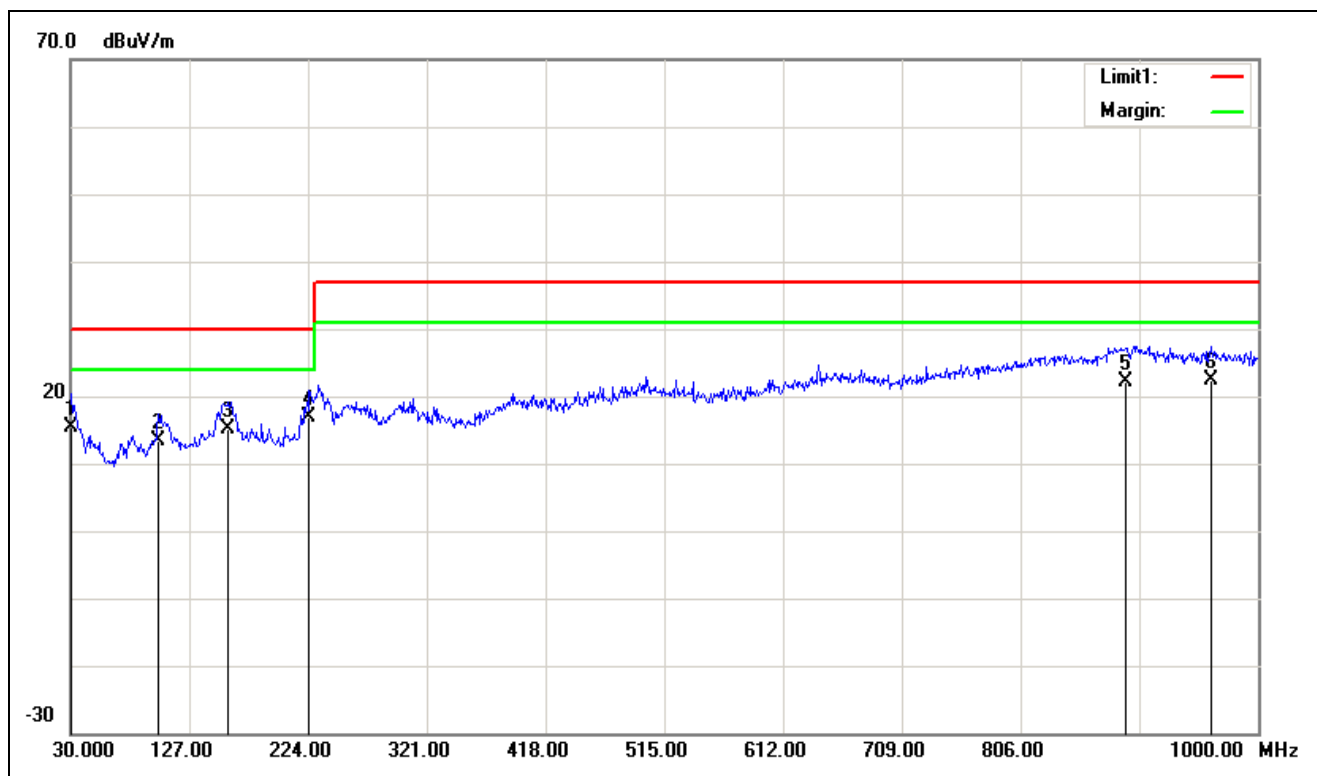


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.82	-6.35	17.47	30.00	-12.53	100	124	QP
2	110.5100	29.94	-16.58	13.36	30.00	-16.64	200	178	QP
3	178.4100	28.63	-13.93	14.70	30.00	-15.30	100	343	QP
4	746.8300	23.25	-1.92	21.33	37.00	-15.67	400	18	QP
5	931.1300	23.26	0.71	23.97	37.00	-13.03	100	267	QP
6	1000.0000	21.76	2.03	23.79	37.00	-13.21	100	316	QP

**Note:** 1. The other emission levels were very low against the limit.



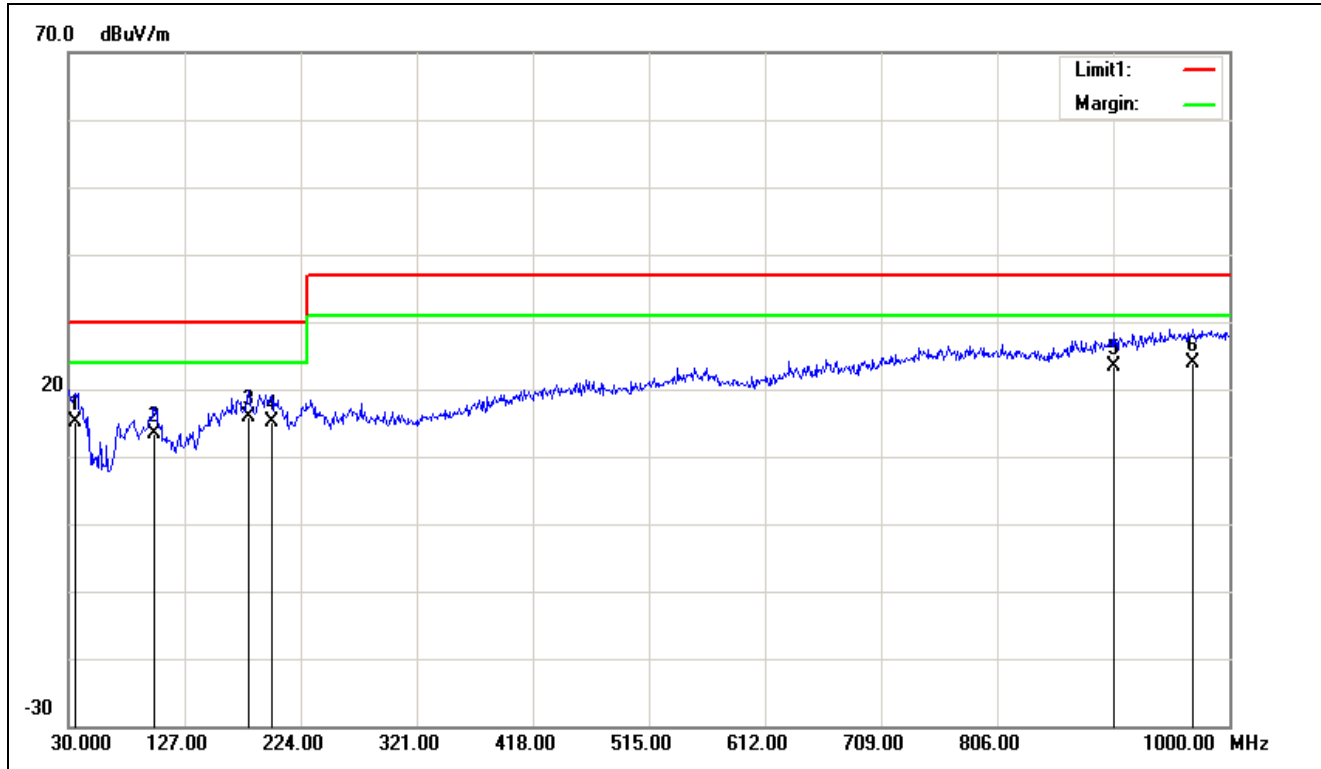
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:41:08
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 44



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.21	-4.71	15.50	30.00	-14.50	300	271	QP
2	101.7800	27.90	-14.59	13.31	30.00	-16.69	400	289	QP
3	159.0100	27.90	-12.68	15.22	30.00	-14.78	300	345	QP
4	224.9700	29.74	-12.95	16.79	30.00	-13.21	300	130	QP
5	892.3300	20.06	2.10	22.16	37.00	-14.84	400	181	QP
6	962.1700	20.94	1.46	22.40	37.00	-14.60	200	324	QP

**Note:** 1. The other emission levels were very low against the limit.

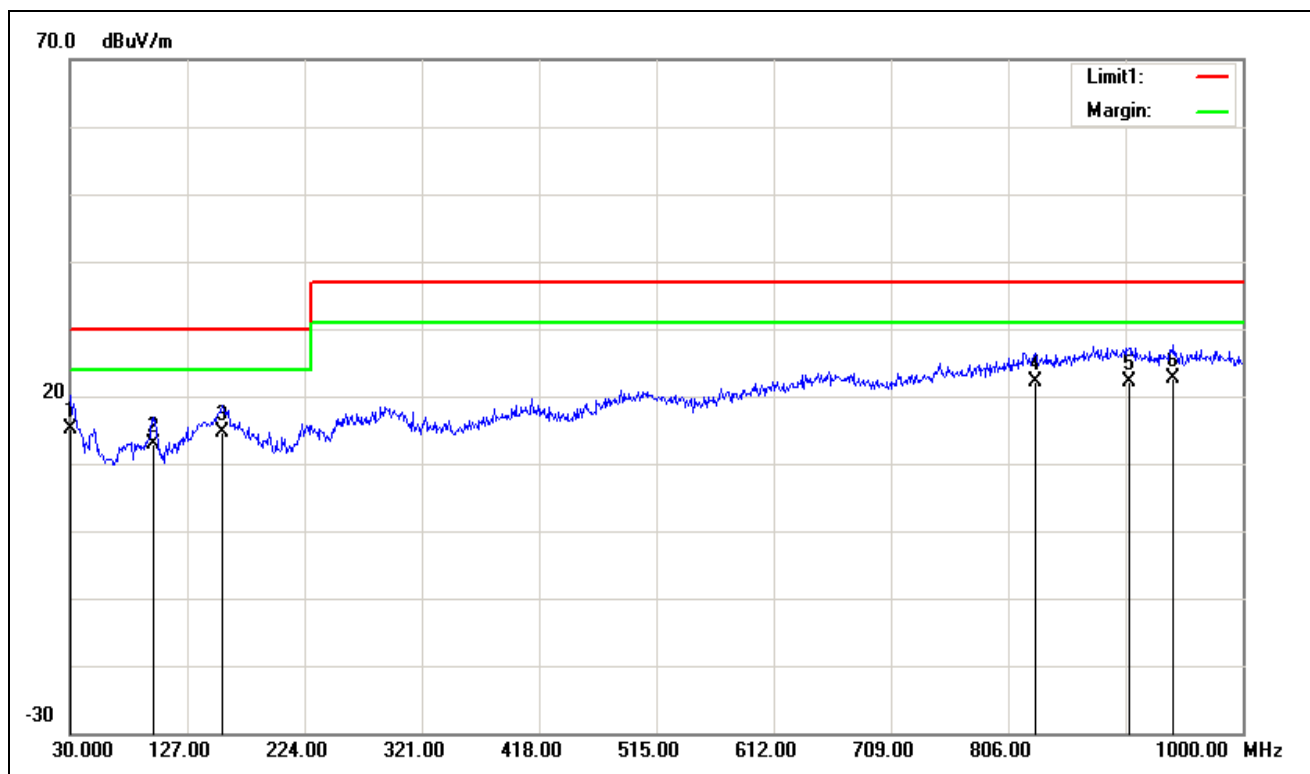
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:02:39
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 45



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	35.8200	25.36	-10.33	15.03	30.00	-14.97	100	216	QP
2	101.7800	30.66	-17.30	13.36	30.00	-16.64	200	296	QP
3	180.3500	29.74	-13.97	15.77	30.00	-14.23	100	170	QP
4	199.7500	29.40	-14.38	15.02	30.00	-14.98	100	360	QP
5	903.0000	23.13	0.17	23.30	37.00	-13.70	100	57	QP
6	969.9300	22.44	1.45	23.89	37.00	-13.11	200	125	QP

**Note:** 1. The other emission levels were very low against the limit.

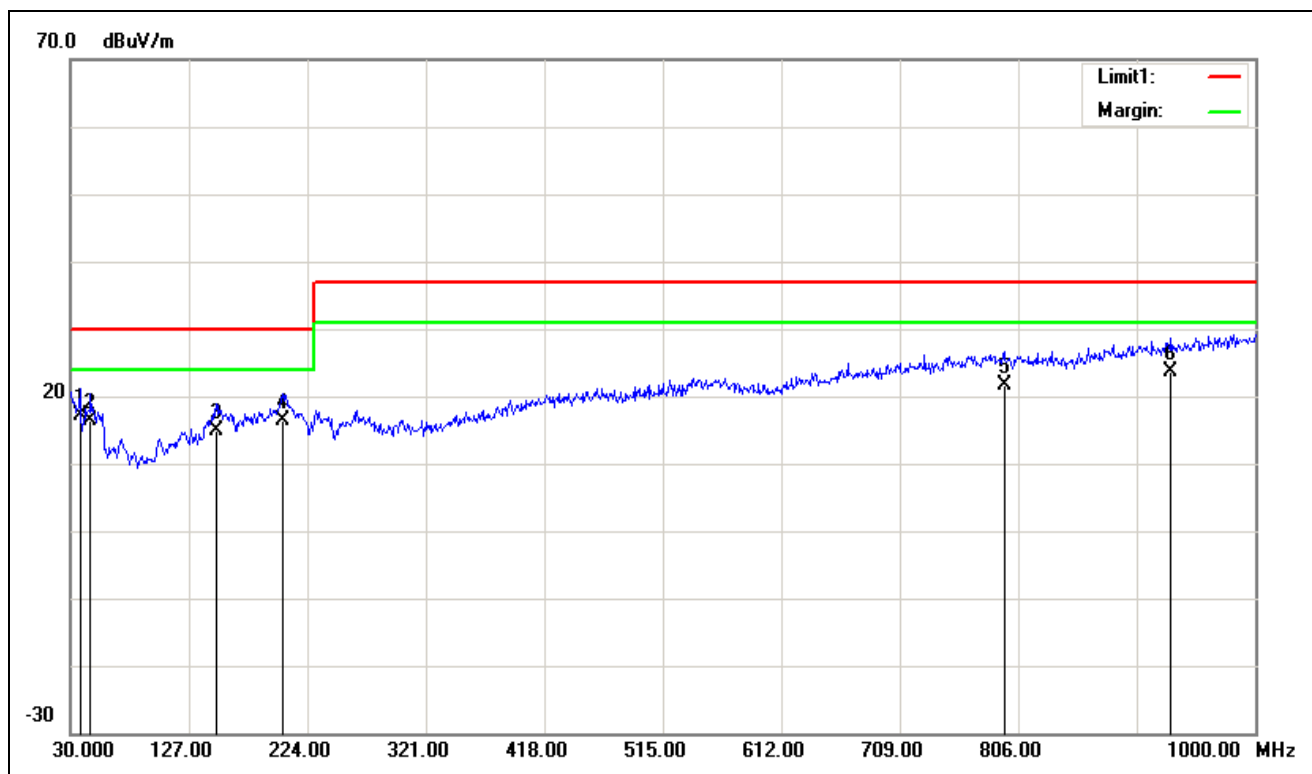
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:02:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 45



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.93	-4.71	15.22	30.00	-14.78	100	174	QP
2	98.8700	27.58	-14.69	12.89	30.00	-17.11	400	277	QP
3	156.1000	27.25	-12.65	14.60	30.00	-15.40	400	351	QP
4	828.3100	21.50	0.66	22.16	37.00	-14.84	400	90	QP
5	905.9100	20.04	2.17	22.21	37.00	-14.79	100	57	QP
6	942.7700	20.97	1.67	22.64	37.00	-14.36	200	282	QP

**Note:** 1. The other emission levels were very low against the limit.

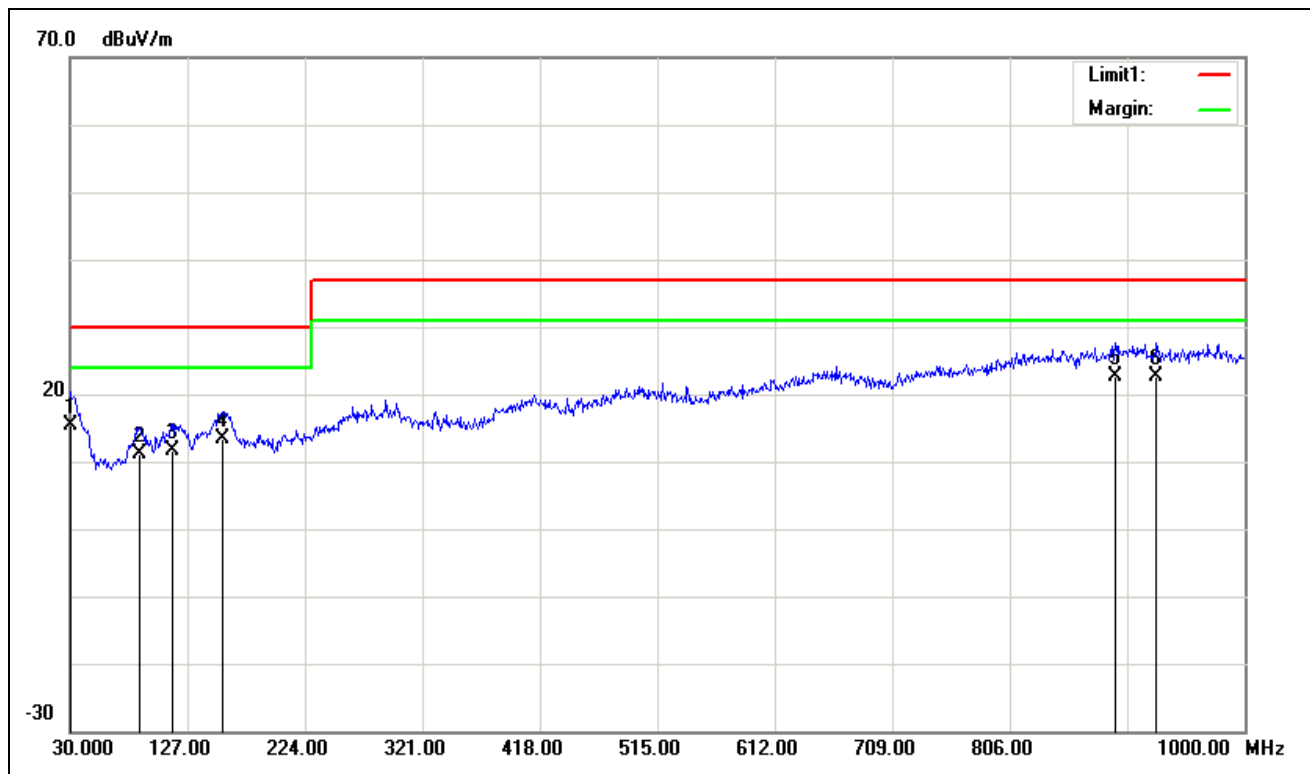
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:37:19
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 46



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	28.68	-11.65	17.03	30.00	-12.97	100	353	QP
2	46.4900	33.92	-17.62	16.30	30.00	-13.70	100	360	QP
3	149.3100	28.32	-13.38	14.94	30.00	-15.06	200	0	QP
4	203.6300	30.72	-14.43	16.29	30.00	-13.71	100	360	QP
5	794.3600	23.26	-1.58	21.68	37.00	-15.32	300	86	QP
6	931.1300	22.84	0.71	23.55	37.00	-13.45	300	269	QP

**Note:** 1. The other emission levels were very low against the limit.

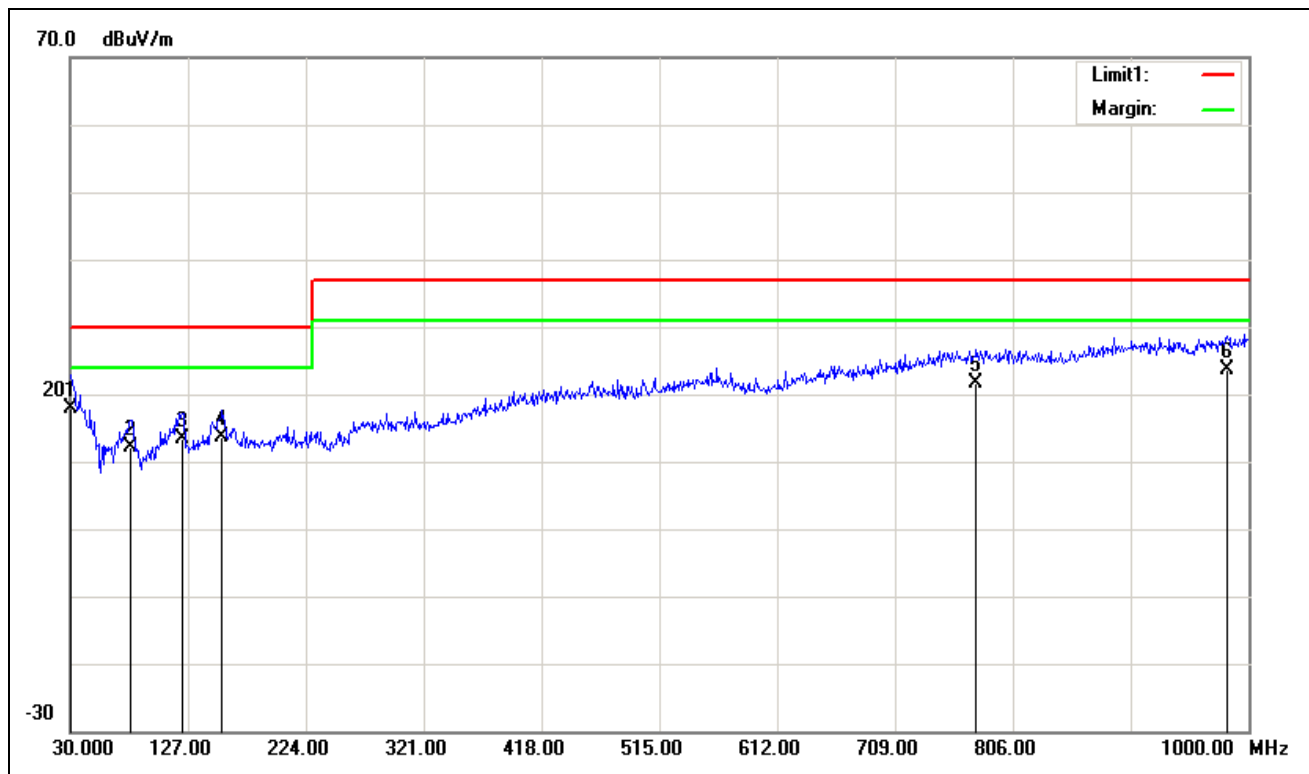
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:37:18
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 46



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.10	-4.71	15.39	30.00	-14.61	200	304	QP
2	87.2300	26.17	-15.05	11.12	30.00	-18.88	400	0	QP
3	114.3900	25.68	-14.06	11.62	30.00	-18.38	200	103	QP
4	156.1000	26.00	-12.65	13.35	30.00	-16.65	400	229	QP
5	893.3000	20.46	2.12	22.58	37.00	-14.42	400	360	QP
6	927.2500	20.76	1.88	22.64	37.00	-14.36	300	28	QP

**Note:** 1. The other emission levels were very low against the limit.

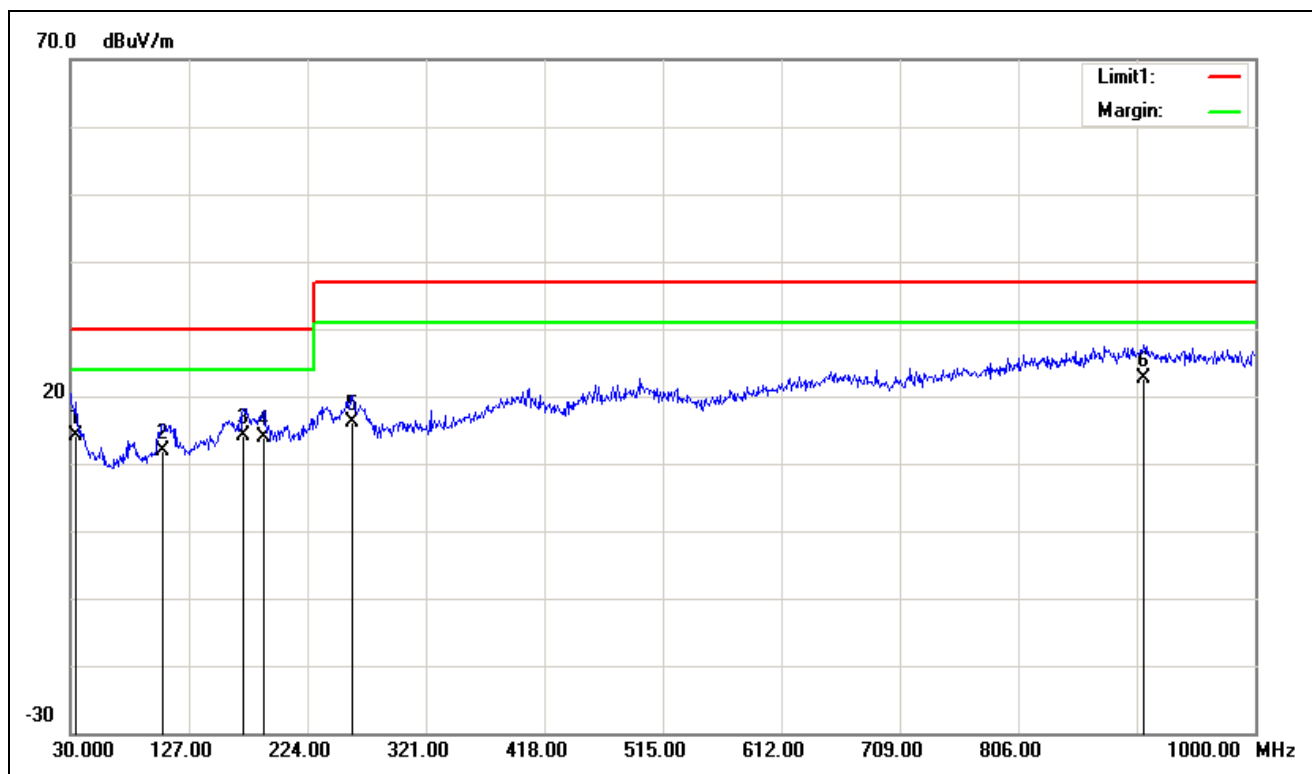
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:14:27:03
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 47



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.01	-7.01	18.00	30.00	-12.00	100	189	QP
2	79.4700	30.68	-18.51	12.17	30.00	-17.83	200	214	QP
3	122.1500	28.88	-15.62	13.26	30.00	-16.74	100	352	QP
4	155.1300	27.08	-13.43	13.65	30.00	-16.35	200	1	QP
5	775.9300	23.28	-1.68	21.60	37.00	-15.40	200	359	QP
6	982.5400	21.88	1.69	23.57	37.00	-13.43	200	278	QP

**Note:** 1. The other emission levels were very low against the limit.

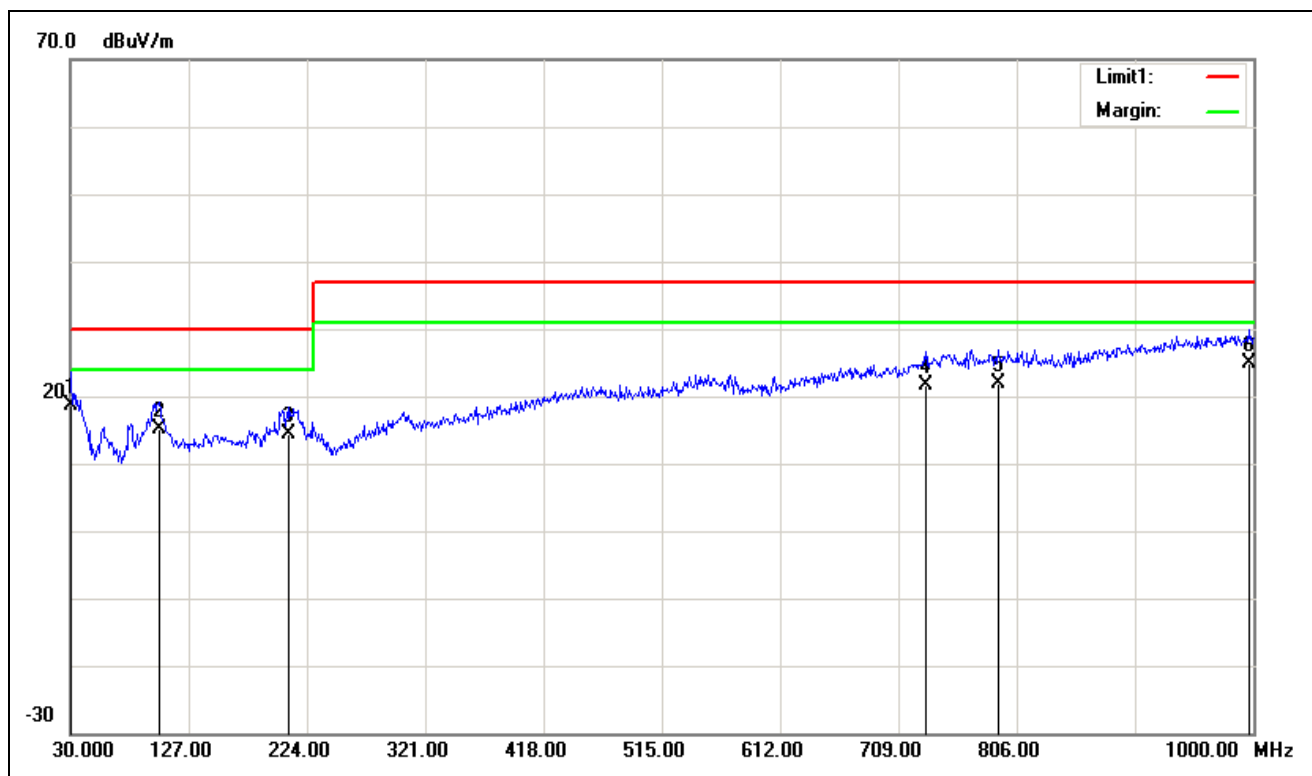
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:14:27:01
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 47



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	34.8500	21.60	-7.49	14.11	30.00	-15.89	400	332	QP
2	105.6600	26.36	-14.43	11.93	30.00	-18.07	400	314	QP
3	171.6200	27.00	-12.80	14.20	30.00	-15.80	400	112	QP
4	188.1100	26.78	-12.96	13.82	30.00	-16.18	300	204	QP
5	260.8600	28.39	-12.30	16.09	37.00	-20.91	400	95	QP
6	908.8200	20.41	2.13	22.54	37.00	-14.46	400	185	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:09:13
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 48

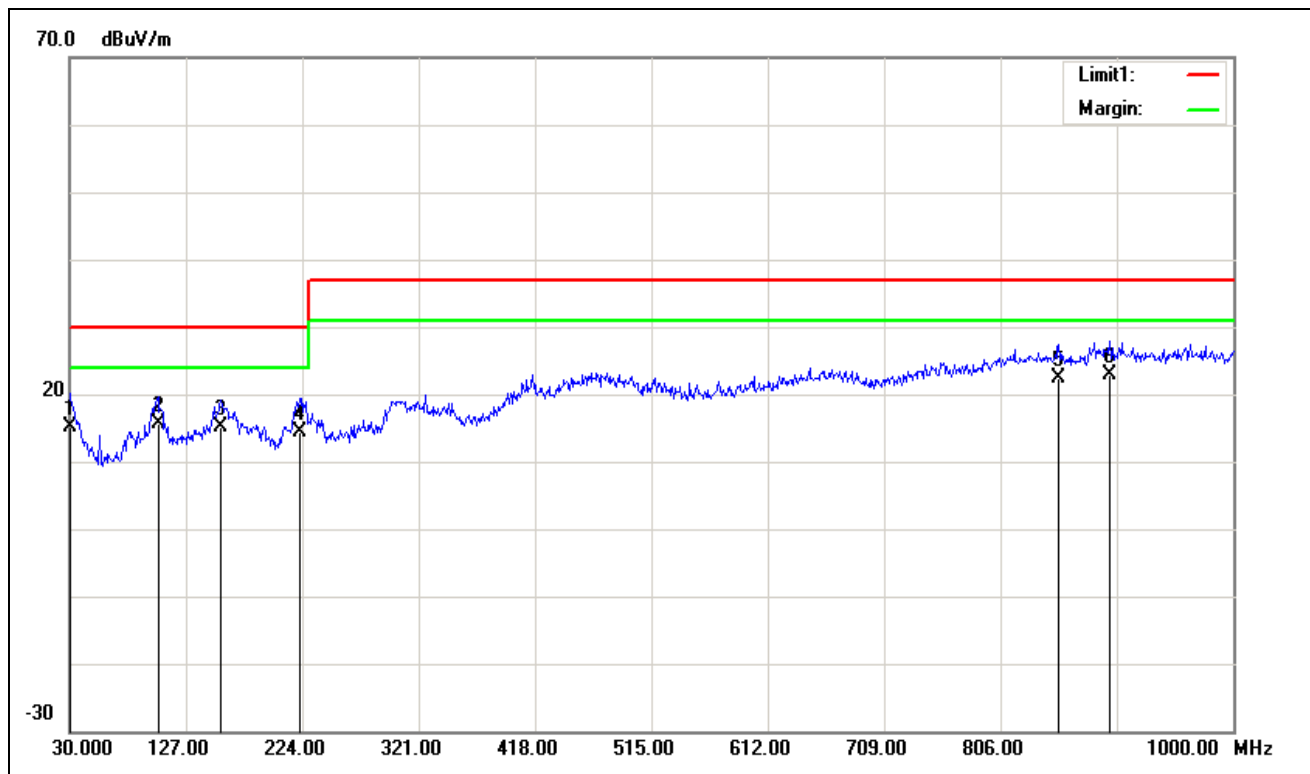


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	24.90	-6.35	18.55	30.00	-11.45	100	23	QP
2	102.7500	32.31	-17.22	15.09	30.00	-14.91	100	82	QP
3	209.4500	28.82	-14.50	14.32	30.00	-15.68	100	0	QP
4	731.3100	24.11	-2.41	21.70	37.00	-15.30	200	258	QP
5	790.4800	23.54	-1.60	21.94	37.00	-15.06	100	244	QP
6	996.1200	22.99	1.96	24.95	37.00	-12.05	200	65	QP

**Note:** 1. The other emission levels were very low against the limit.



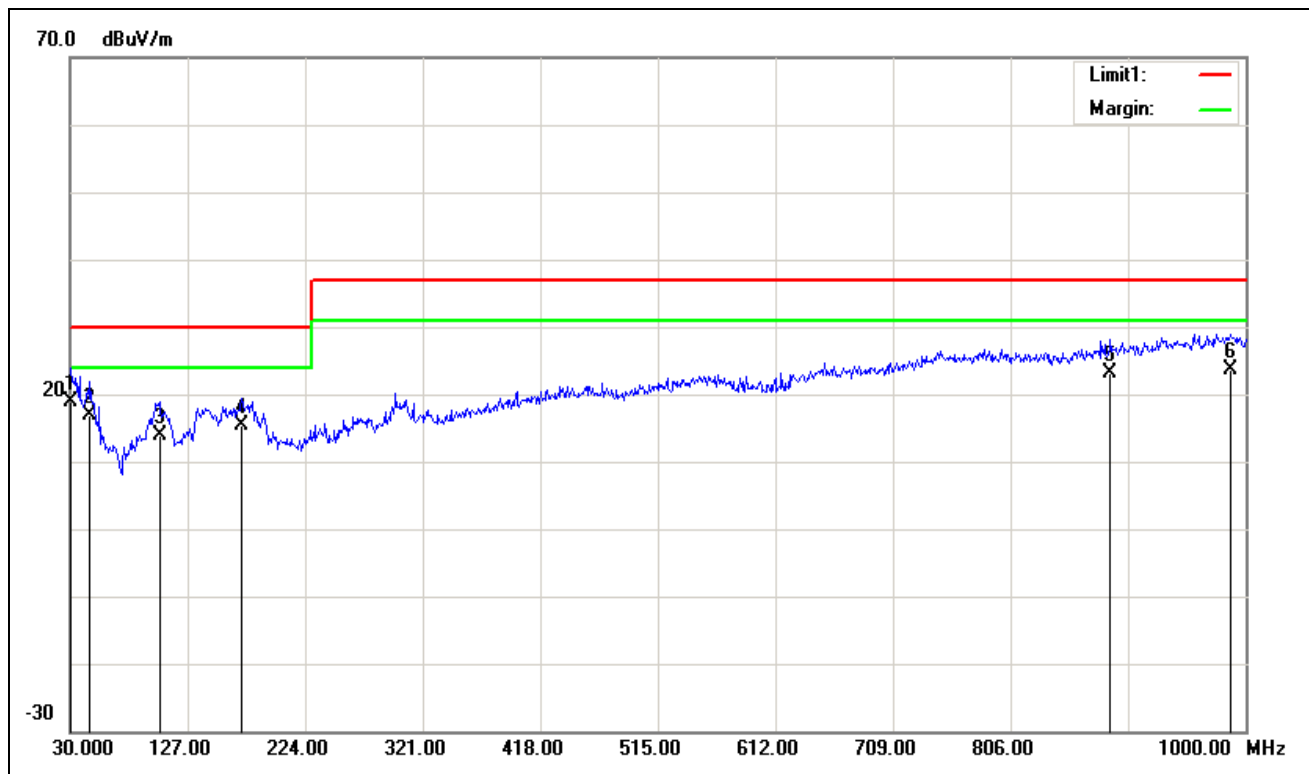
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:09:11
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 48



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.84	-4.71	15.13	30.00	-14.87	100	198	QP
2	103.7200	30.11	-14.51	15.60	30.00	-14.40	400	267	QP
3	156.1000	27.89	-12.65	15.24	30.00	-14.76	300	47	QP
4	222.0600	27.43	-12.96	14.47	30.00	-15.53	400	261	QP
5	854.5000	20.93	1.38	22.31	37.00	-14.69	300	143	QP
6	897.1800	20.60	2.20	22.80	37.00	-14.20	300	139	QP

**Note:** 1. The other emission levels were very low against the limit.

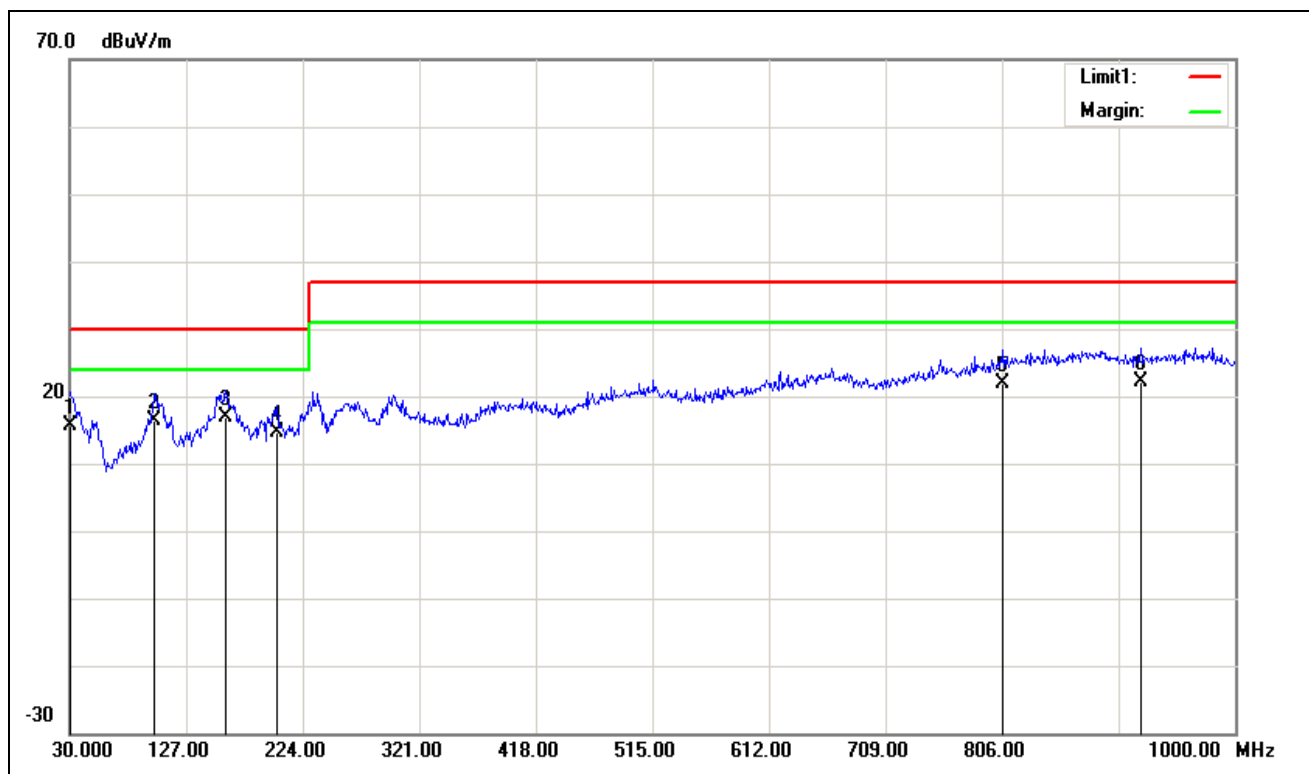
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:34:42
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 49



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	25.16	-6.35	18.81	30.00	-11.19	100	65	QP
2	46.4900	34.45	-17.62	16.83	30.00	-13.17	100	53	QP
3	103.7200	30.91	-17.14	13.77	30.00	-16.23	300	326	QP
4	171.6200	29.08	-13.78	15.30	30.00	-14.70	100	318	QP
5	888.4500	23.31	-0.28	23.03	37.00	-13.97	200	56	QP
6	987.3900	21.87	1.79	23.66	37.00	-13.34	100	246	QP

**Note:** 1. The other emission levels were very low against the limit.

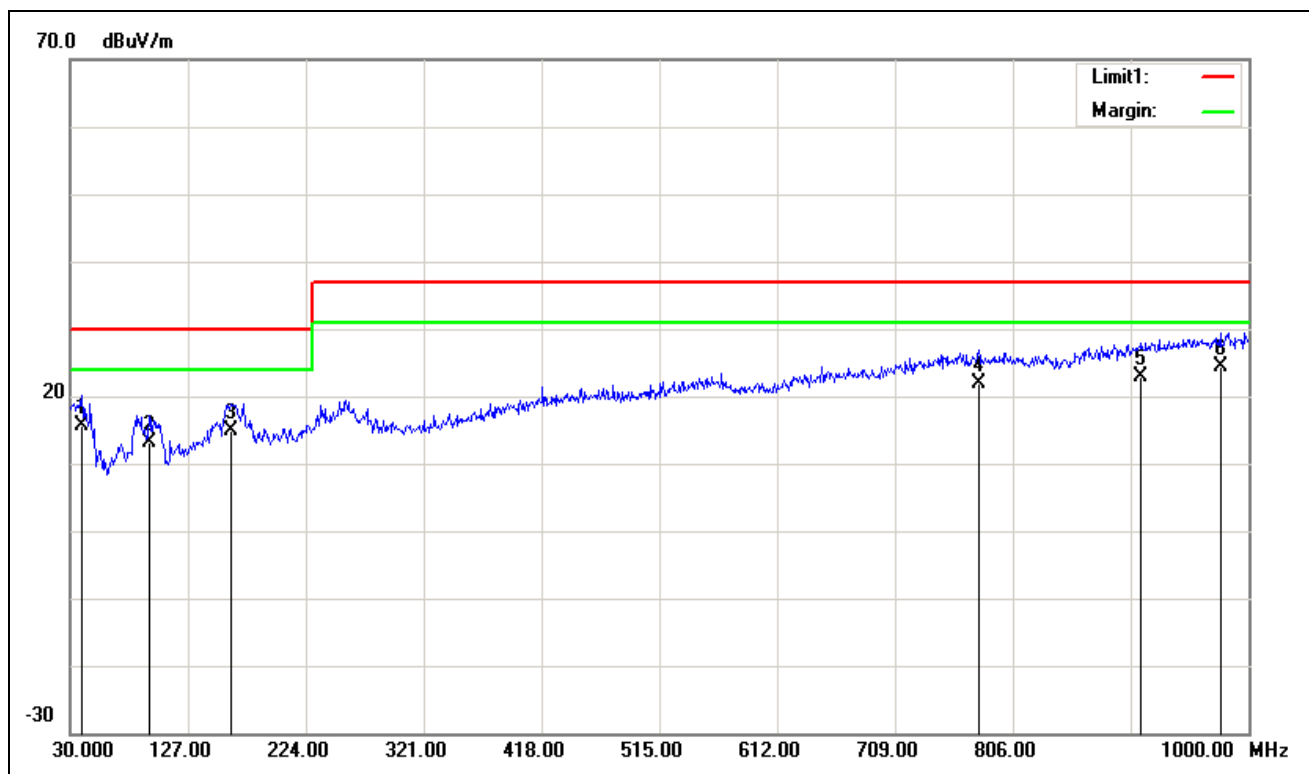
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:34:41
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 49



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.31	-4.71	15.60	30.00	-14.40	300	264	QP
2	100.8100	31.00	-14.63	16.37	30.00	-13.63	400	307	QP
3	159.9800	29.51	-12.69	16.82	30.00	-13.18	400	318	QP
4	202.6600	27.68	-13.06	14.62	30.00	-15.38	300	297	QP
5	806.9700	21.91	0.03	21.94	37.00	-15.06	400	0	QP
6	921.4300	20.15	1.96	22.11	37.00	-14.89	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

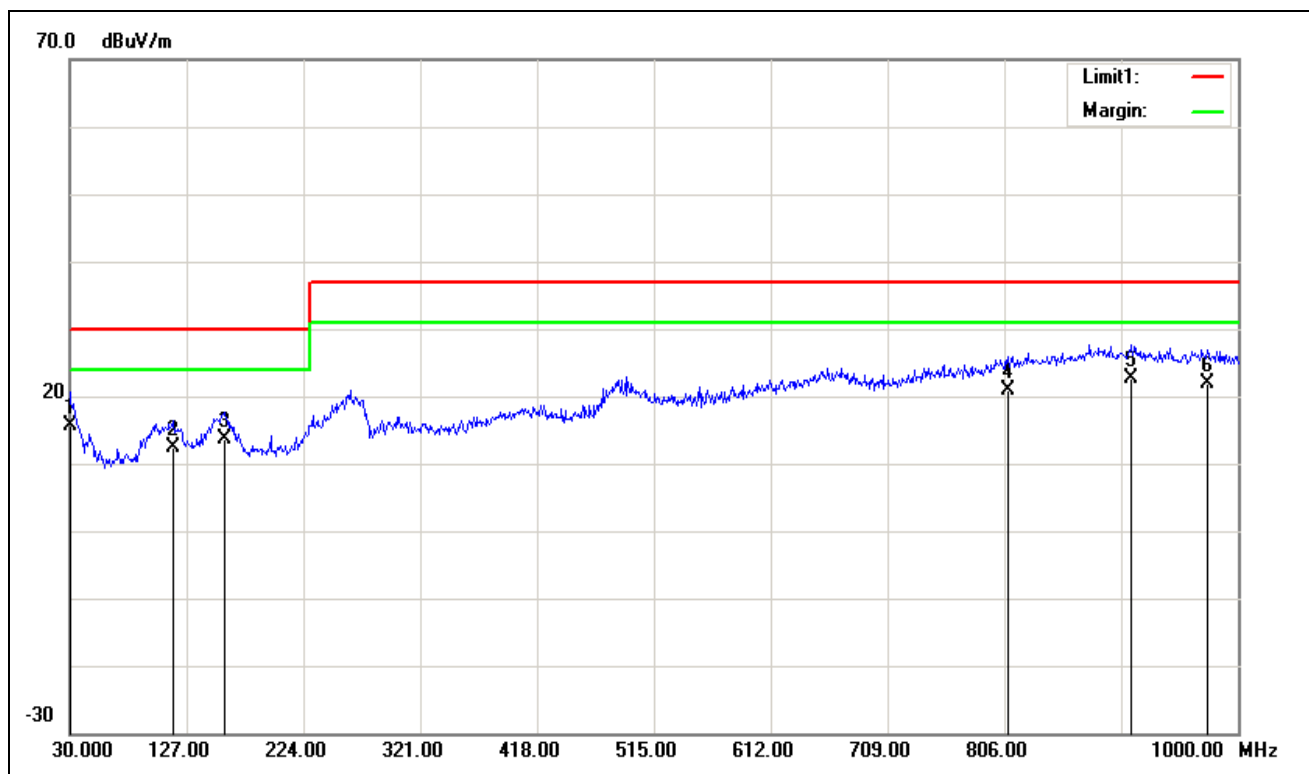
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:18:08
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 50



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	39.7000	28.69	-12.98	15.71	30.00	-14.29	200	87	QP
2	94.9900	30.93	-17.71	13.22	30.00	-16.78	300	278	QP
3	162.8900	28.55	-13.60	14.95	30.00	-15.05	200	358	QP
4	777.8700	23.48	-1.67	21.81	37.00	-15.19	400	71	QP
5	911.7300	22.49	0.34	22.83	37.00	-14.17	200	82	QP
6	976.7200	22.78	1.58	24.36	37.00	-12.64	100	160	QP

**Note:** 1. The other emission levels were very low against the limit.

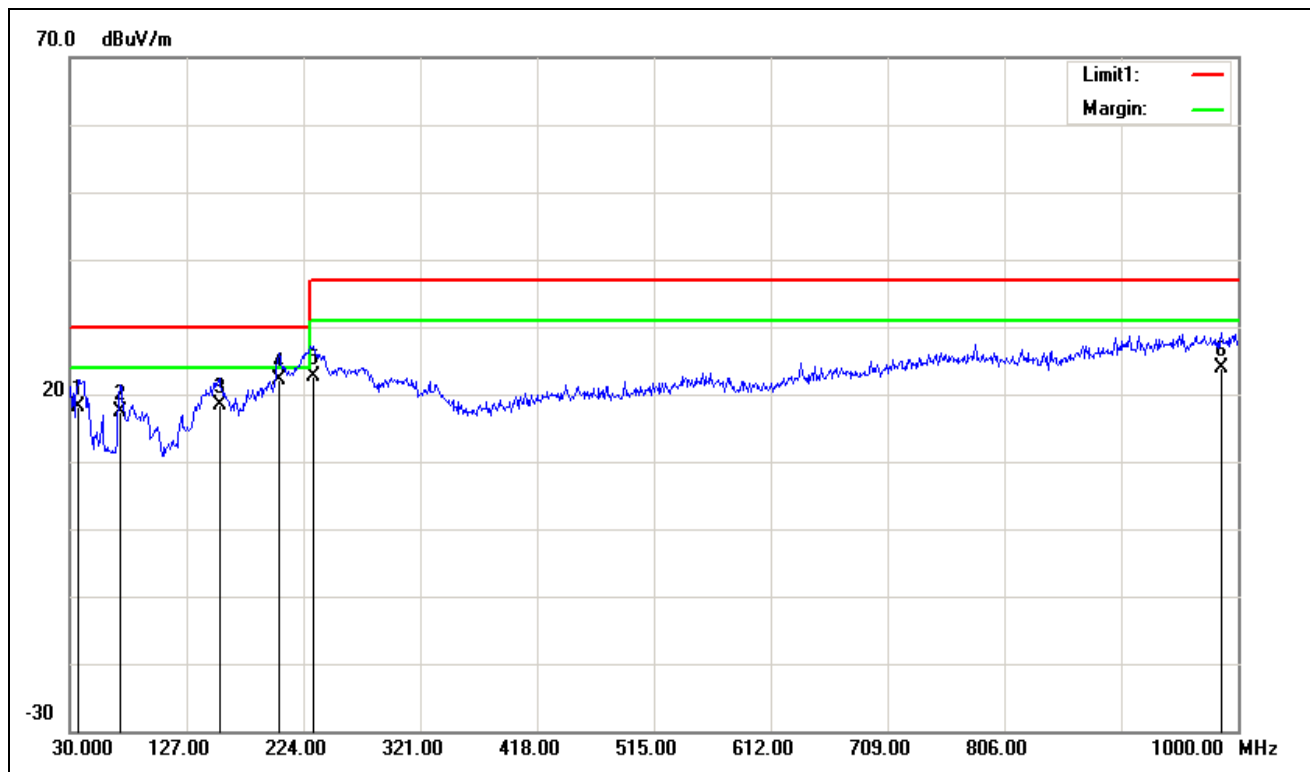
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:18:06
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 50



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.46	-4.71	15.75	30.00	-14.25	400	163	QP
2	115.3600	26.44	-14.02	12.42	30.00	-17.58	100	223	QP
3	158.0400	26.21	-12.67	13.54	30.00	-16.46	400	300	QP
4	808.9100	20.87	0.09	20.96	37.00	-16.04	200	101	QP
5	911.7300	20.61	2.09	22.70	37.00	-14.30	100	211	QP
6	974.7800	20.58	1.35	21.93	37.00	-15.07	300	302	QP

**Note:** 1. The other emission levels were very low against the limit.

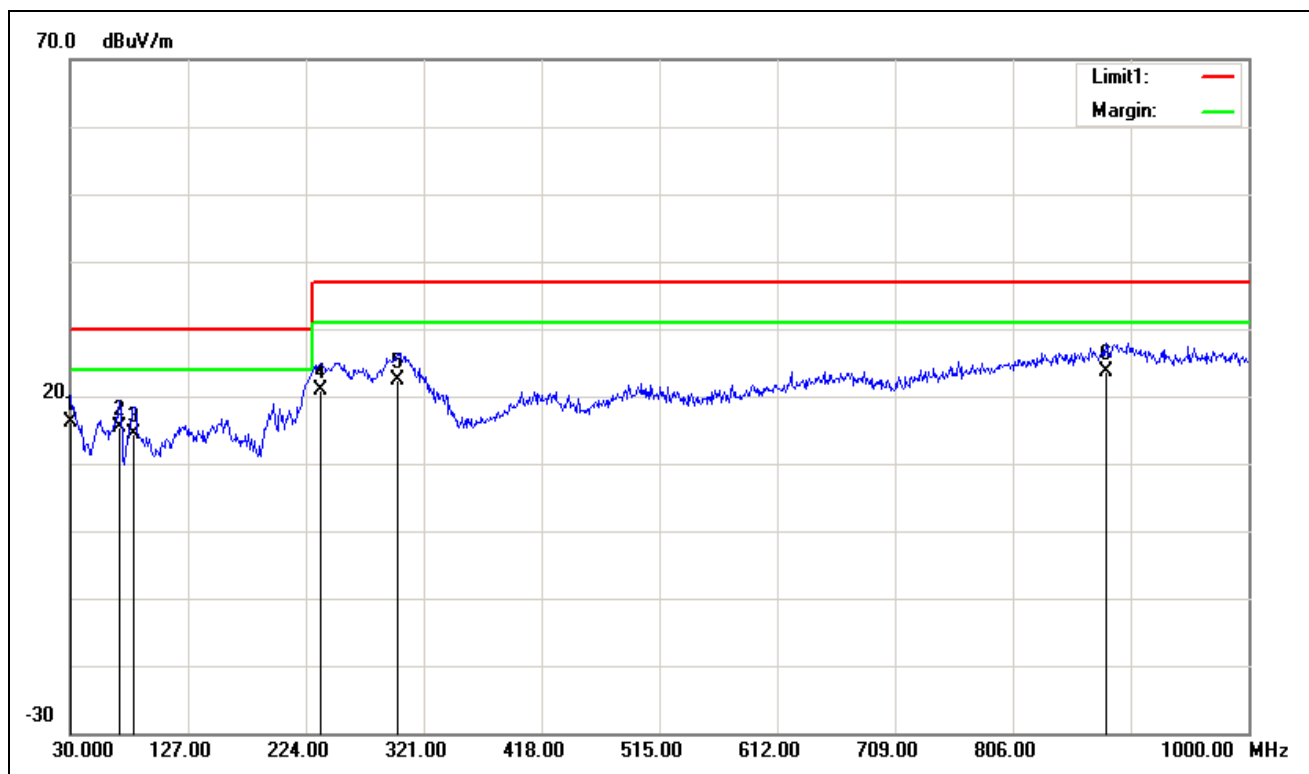
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:57:05
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 51



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	36.7900	29.01	-10.99	18.02	30.00	-11.98	100	148	QP
2	71.7100	36.16	-18.90	17.26	30.00	-12.74	200	234	QP
3	154.1600	31.82	-13.41	18.41	30.00	-11.59	100	5	QP
4	203.6300	36.63	-14.43	22.20	30.00	-7.80	100	10	QP
5	232.7300	37.35	-14.76	22.59	37.00	-14.41	300	157	QP
6	986.4200	22.23	1.77	24.00	37.00	-13.00	100	304	QP

**Note:** 1. The other emission levels were very low against the limit.

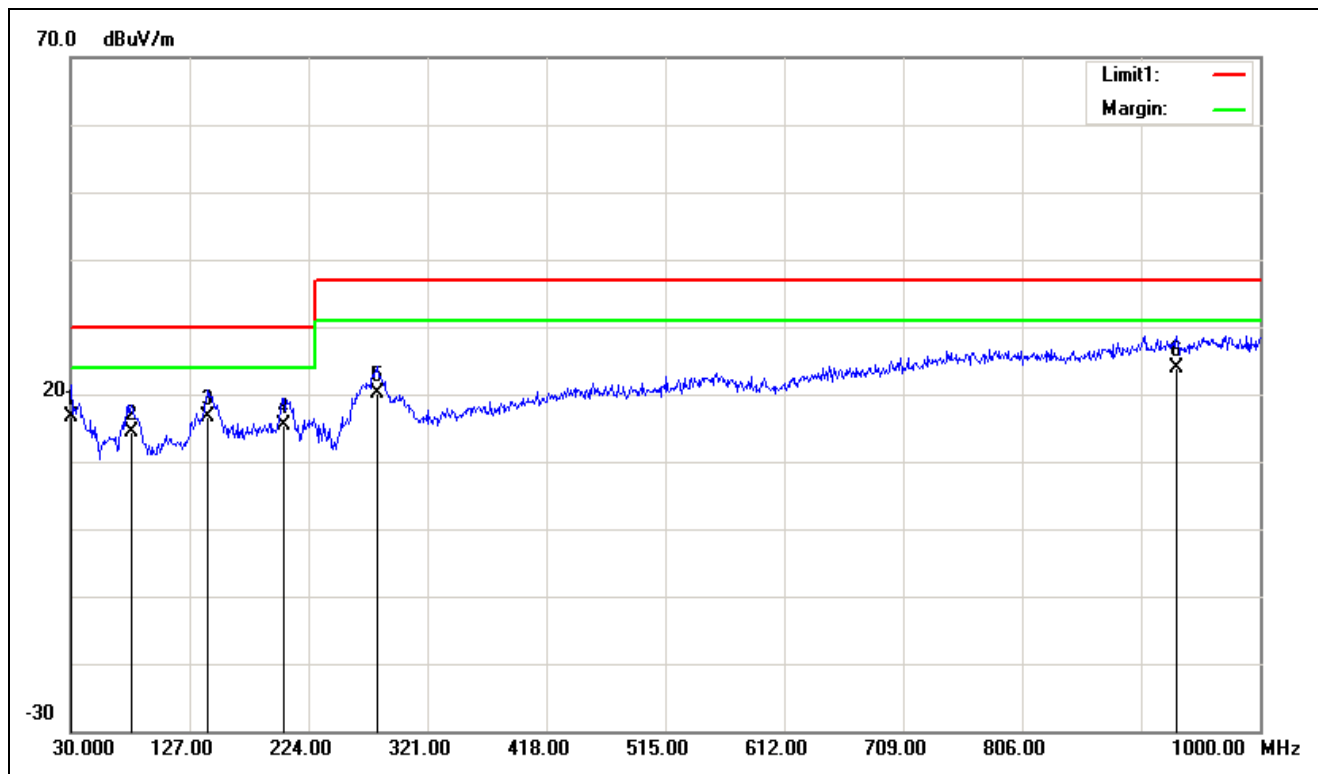
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:20:57:03
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 51



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.91	-4.71	16.20	30.00	-13.80	200	267	QP
2	70.7400	30.85	-15.54	15.31	30.00	-14.69	400	194	QP
3	82.3800	29.61	-15.19	14.42	30.00	-15.58	400	5	QP
4	235.6400	33.72	-12.89	20.83	37.00	-16.17	400	90	QP
5	299.6600	32.69	-10.43	22.26	37.00	-14.74	100	301	QP
6	882.6300	21.83	1.92	23.75	37.00	-13.25	200	336	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:48:29
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 52

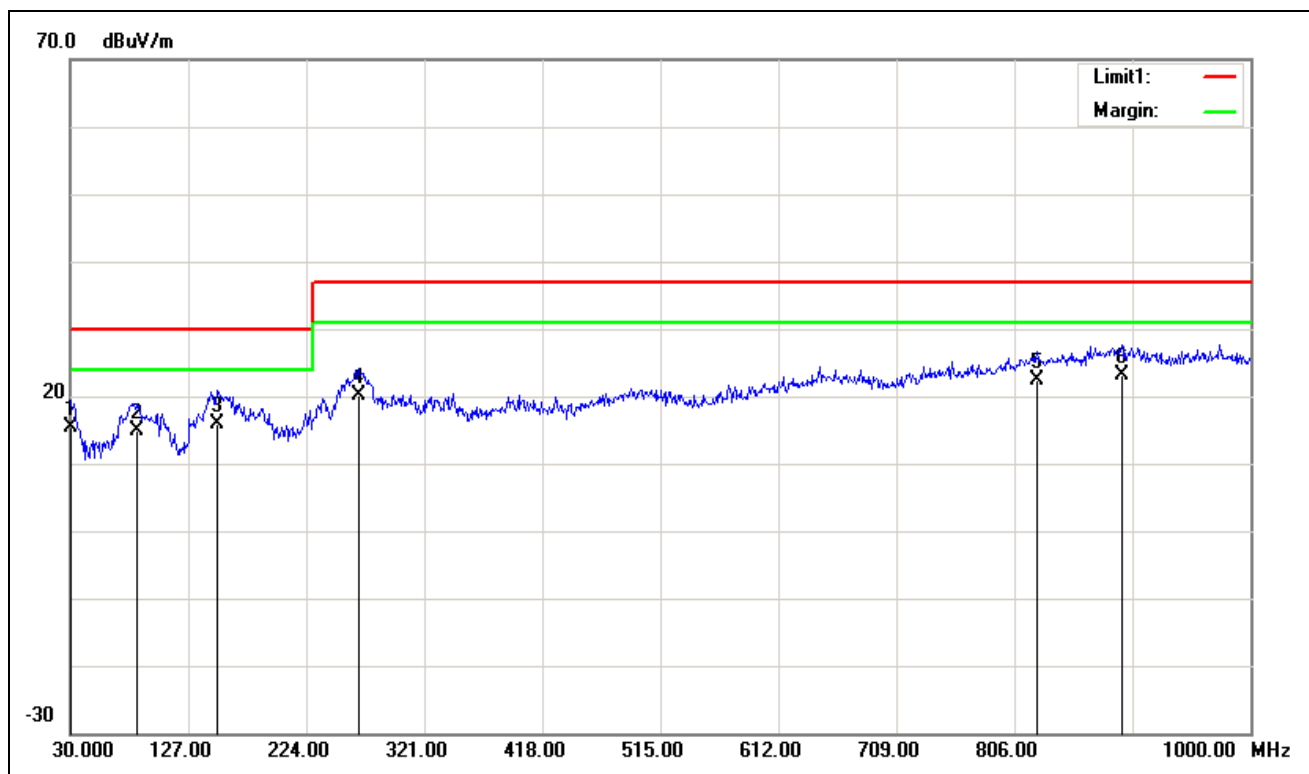


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.53	-7.01	16.52	30.00	-13.48	400	268	QP
2	79.4700	32.97	-18.51	14.46	30.00	-15.54	200	189	QP
3	141.5500	30.60	-14.02	16.58	30.00	-13.42	200	267	QP
4	203.6300	29.78	-14.43	15.35	30.00	-14.65	100	244	QP
5	280.2600	33.38	-13.32	20.06	37.00	-16.94	100	157	QP
6	932.1000	23.08	0.73	23.81	37.00	-13.19	400	149	QP

**Note:** 1. The other emission levels were very low against the limit.



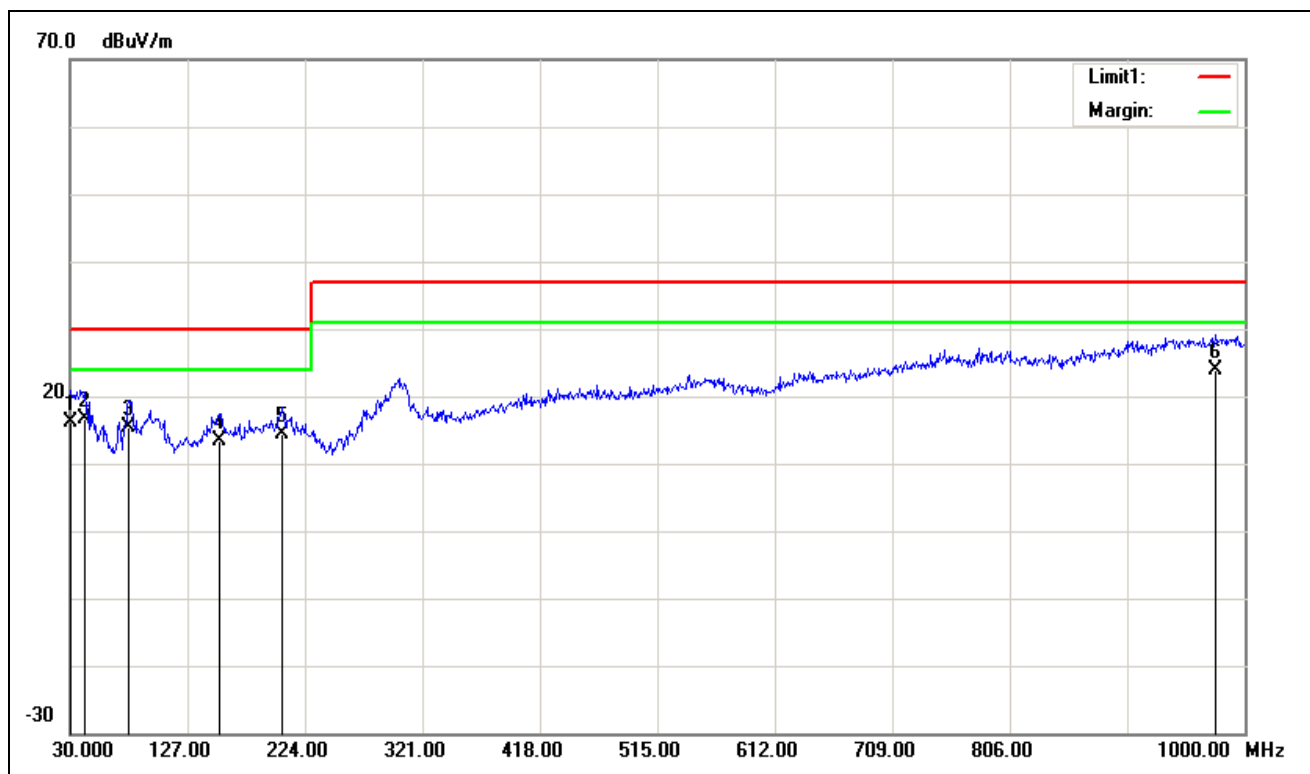
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:13:48:27
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 52



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.17	-4.71	15.46	30.00	-14.54	400	323	QP
2	85.2900	30.08	-15.10	14.98	30.00	-15.02	300	301	QP
3	150.2800	28.51	-12.59	15.92	30.00	-14.08	400	140	QP
4	266.6800	32.13	-12.02	20.11	37.00	-16.89	300	77	QP
5	824.4300	21.92	0.54	22.46	37.00	-14.54	100	138	QP
6	894.2700	21.01	2.14	23.15	37.00	-13.85	300	104	QP

**Note:** 1. The other emission levels were very low against the limit.

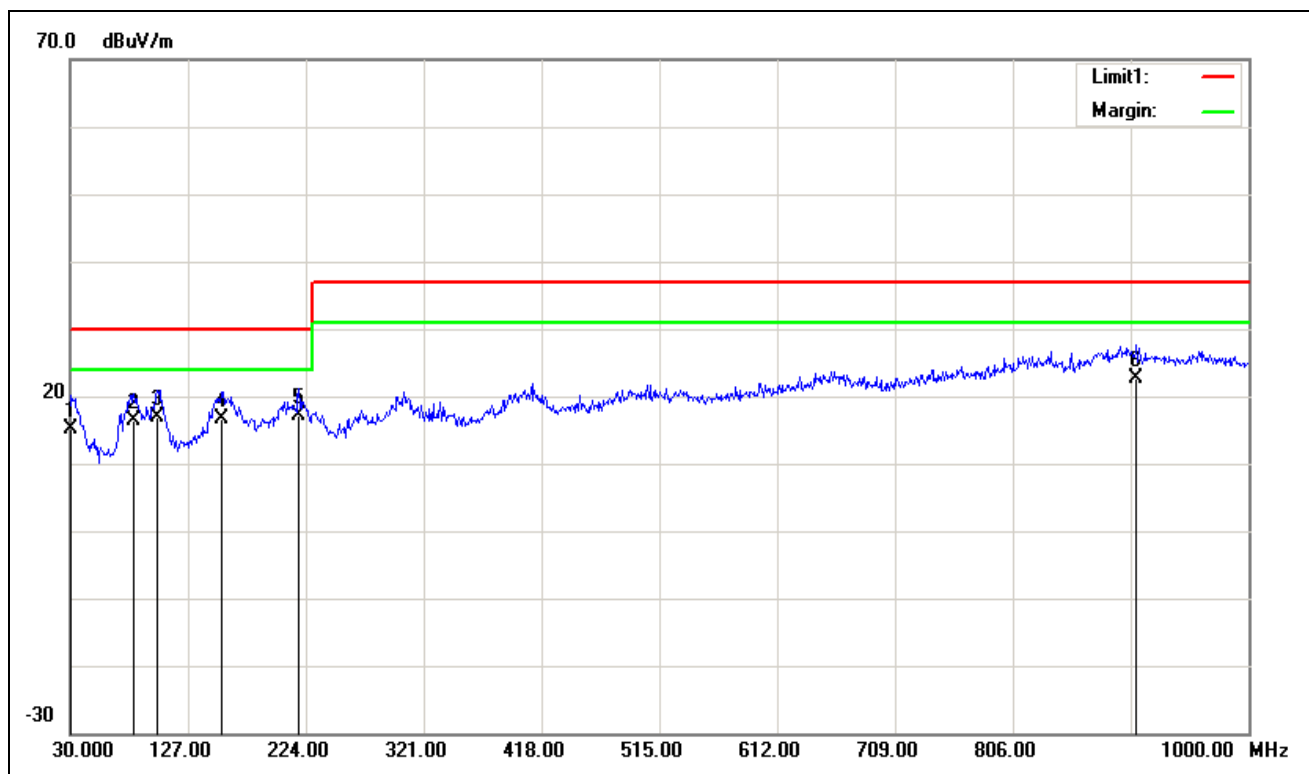
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:45:07
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 53



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	22.37	-6.35	16.02	30.00	-13.98	100	251	QP
2	42.6100	31.66	-14.97	16.69	30.00	-13.31	300	51	QP
3	78.5000	33.88	-18.56	15.32	30.00	-14.68	200	248	QP
4	153.1900	26.87	-13.39	13.48	30.00	-16.52	100	253	QP
5	204.6000	28.80	-14.44	14.36	30.00	-15.64	100	0	QP
6	975.7500	22.44	1.56	24.00	37.00	-13.00	100	360	QP

**Note:** 1. The other emission levels were very low against the limit.

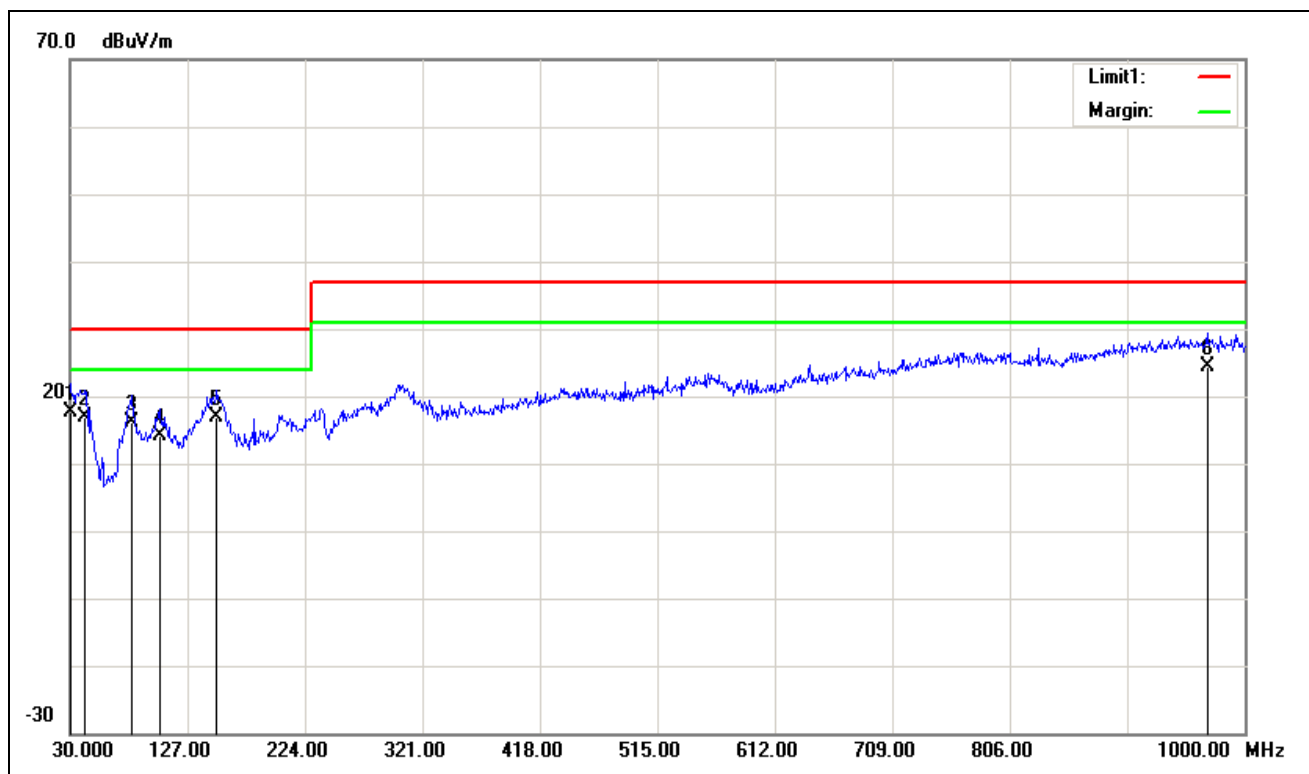
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:45:06
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 53



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.96	-4.71	15.25	30.00	-14.75	300	125	QP
2	82.3800	31.47	-15.19	16.28	30.00	-13.72	400	360	QP
3	101.7800	31.59	-14.59	17.00	30.00	-13.00	400	360	QP
4	155.1300	29.27	-12.64	16.63	30.00	-13.37	400	273	QP
5	218.1800	30.12	-12.98	17.14	30.00	-12.86	400	123	QP
6	907.8500	20.50	2.14	22.64	37.00	-14.36	400	210	QP

**Note:** 1. The other emission levels were very low against the limit.

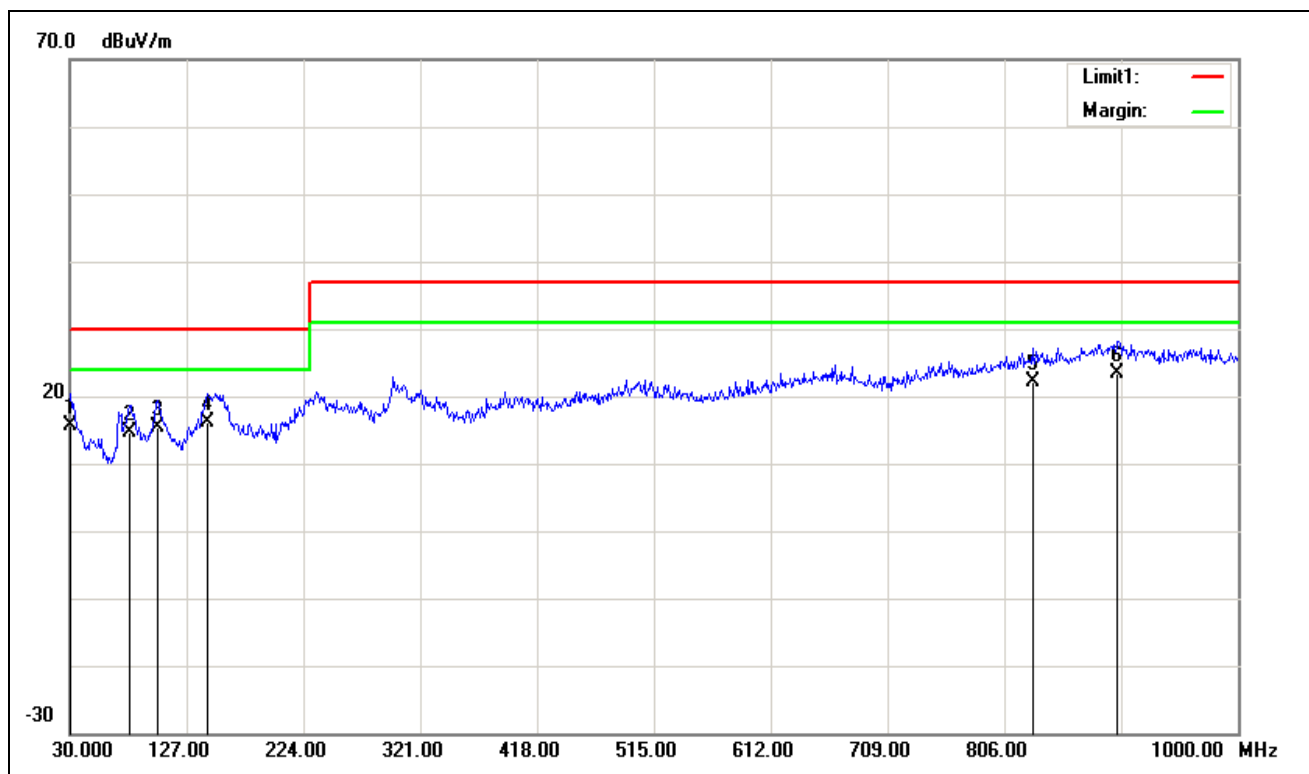
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:50:15
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 54



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.92	-6.35	17.57	30.00	-12.43	100	182	QP
2	42.6100	31.75	-14.97	16.78	30.00	-13.22	100	37	QP
3	80.4400	34.52	-18.46	16.06	30.00	-13.94	200	196	QP
4	103.7200	31.35	-17.14	14.21	30.00	-15.79	100	360	QP
5	151.2500	30.20	-13.35	16.85	30.00	-13.15	400	237	QP
6	968.9600	22.91	1.43	24.34	37.00	-12.66	300	278	QP

**Note:** 1. The other emission levels were very low against the limit.

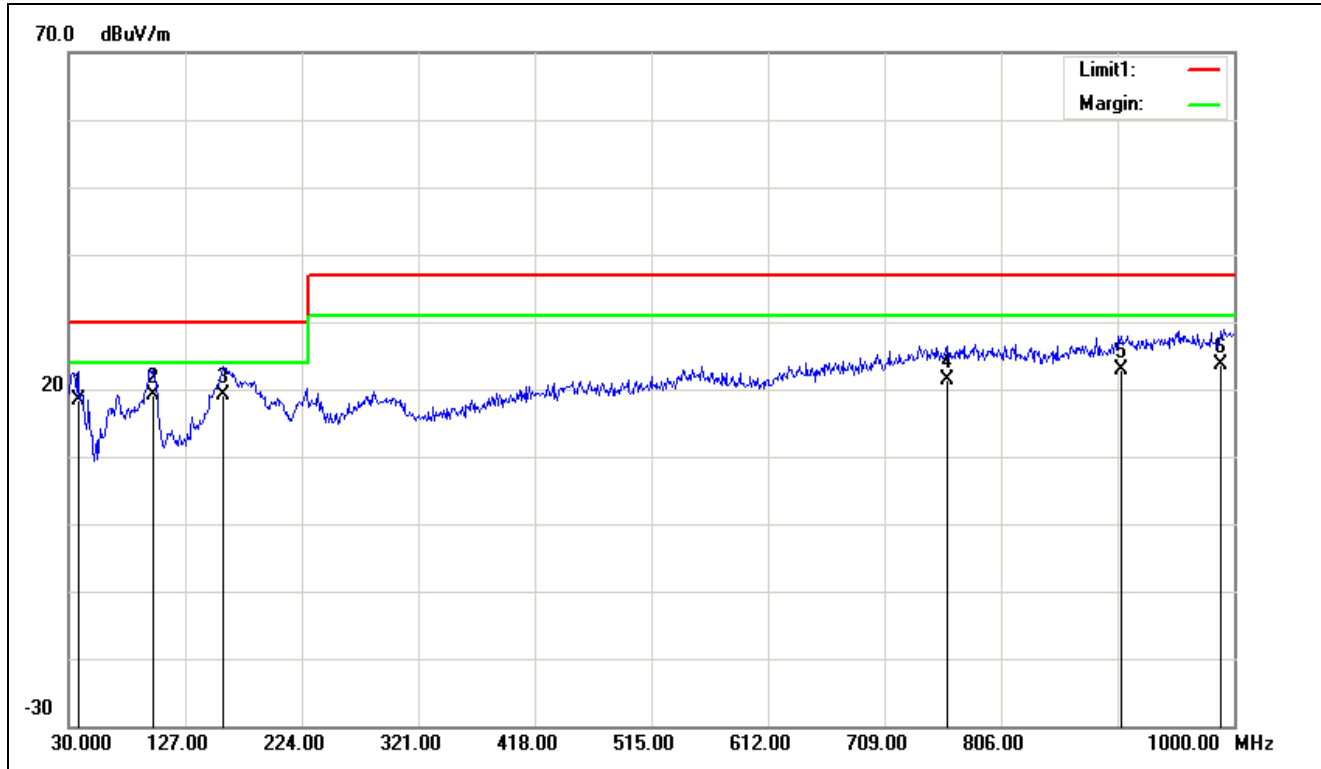
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:16:50:13
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 54



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	20.80	-5.27	15.53	30.00	-14.47	100	6	QP
2	79.4700	29.85	-15.28	14.57	30.00	-15.43	400	342	QP
3	102.7500	29.81	-14.55	15.26	30.00	-14.74	400	31	QP
4	144.4600	29.05	-12.82	16.23	30.00	-13.77	400	90	QP
5	829.2800	21.56	0.68	22.24	37.00	-14.76	100	37	QP
6	900.0900	21.05	2.25	23.30	37.00	-13.70	100	212	QP

**Note:** 1. The other emission levels were very low against the limit.

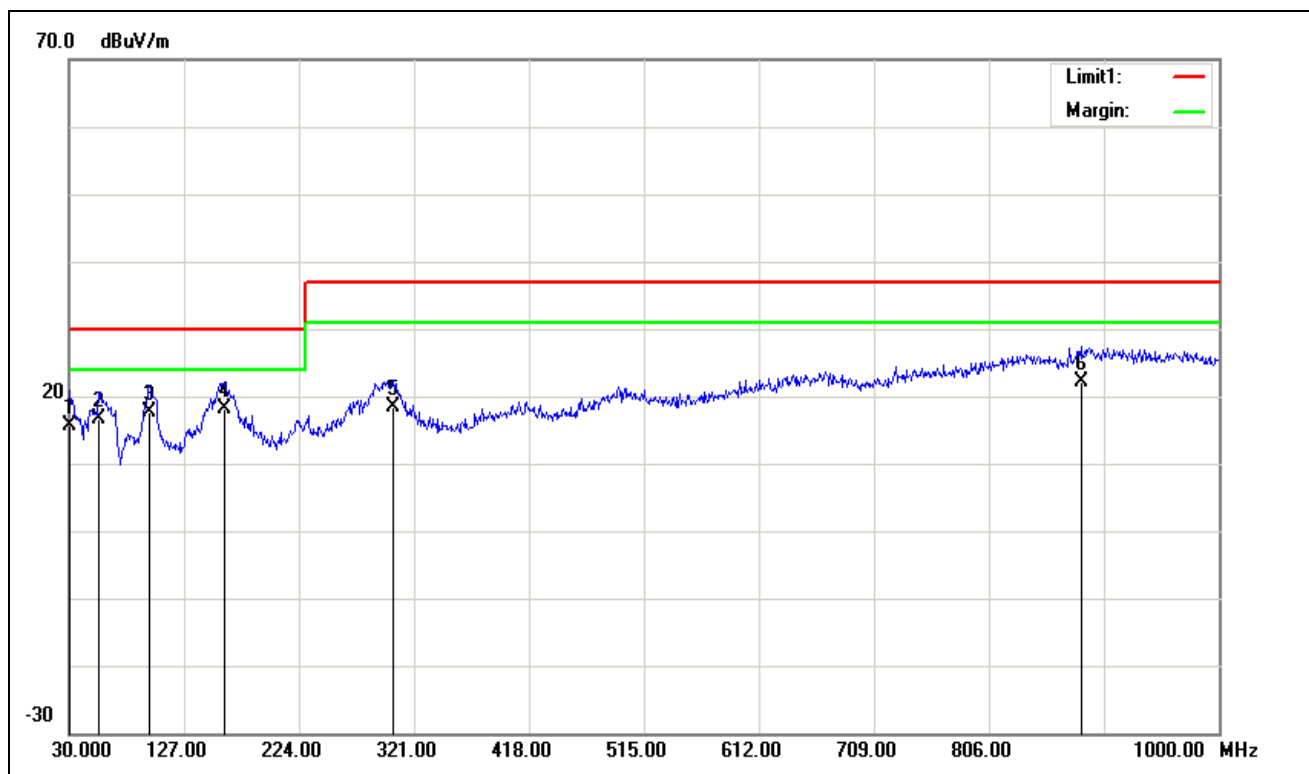
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:53:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 55



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	30.12	-11.65	18.47	30.00	-11.53	100	52	QP
2	99.8400	36.47	-17.46	19.01	30.00	-10.99	300	301	QP
3	159.0100	32.71	-13.51	19.20	30.00	-10.80	100	6	QP
4	761.3800	23.19	-1.76	21.43	37.00	-15.57	300	301	QP
5	905.9100	22.74	0.22	22.96	37.00	-14.04	200	112	QP
6	988.3600	21.89	1.81	23.70	37.00	-13.30	400	163	QP

**Note:** 1. The other emission levels were very low against the limit.

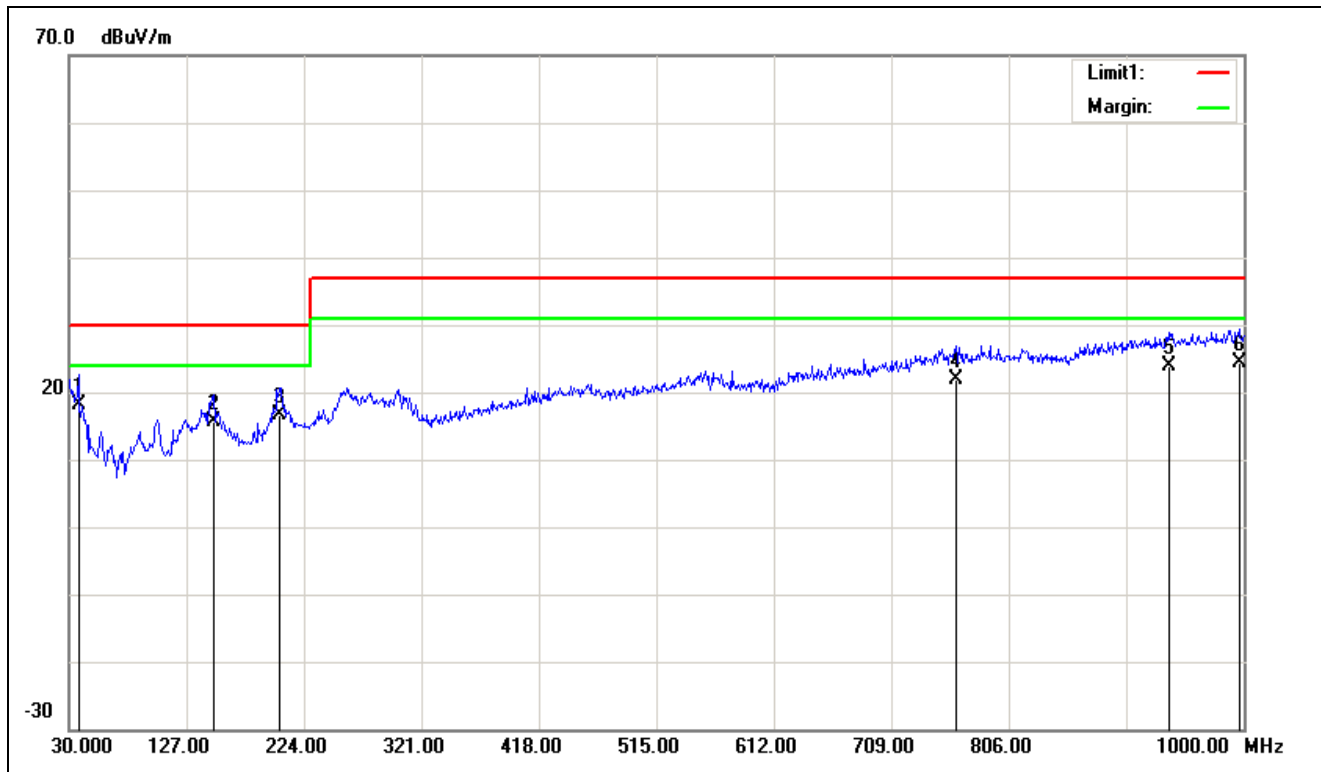
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:53:36
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 55



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.44	-4.71	15.73	30.00	-14.27	100	57	QP
2	55.2200	32.69	-16.01	16.68	30.00	-13.32	400	222	QP
3	97.9000	32.28	-14.72	17.56	30.00	-12.44	400	304	QP
4	160.9500	30.73	-12.70	18.03	30.00	-11.97	300	155	QP
5	303.5400	28.70	-10.36	18.34	37.00	-18.66	300	100	QP
6	883.6000	20.17	1.94	22.11	37.00	-14.89	100	140	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:09:33
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 56

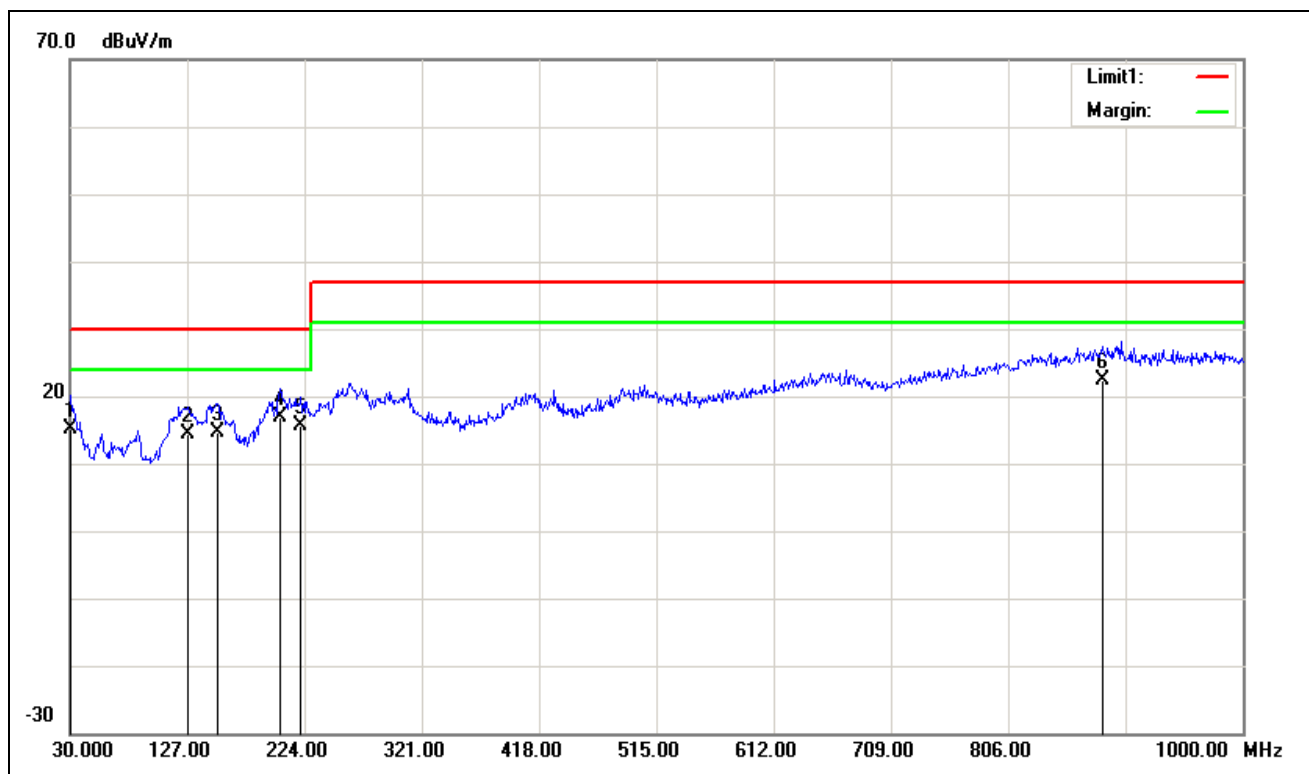


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	37.7600	29.80	-11.65	18.15	30.00	-11.85	100	285	QP
2	149.3100	29.08	-13.38	15.70	30.00	-14.30	400	254	QP
3	203.6300	31.15	-14.43	16.72	30.00	-13.28	200	358	QP
4	762.3500	23.71	-1.75	21.96	37.00	-15.04	300	0	QP
5	937.9200	23.06	0.84	23.90	37.00	-13.10	300	96	QP
6	996.1200	22.52	1.96	24.48	37.00	-12.52	300	328	QP

**Note:** 1. The other emission levels were very low against the limit.



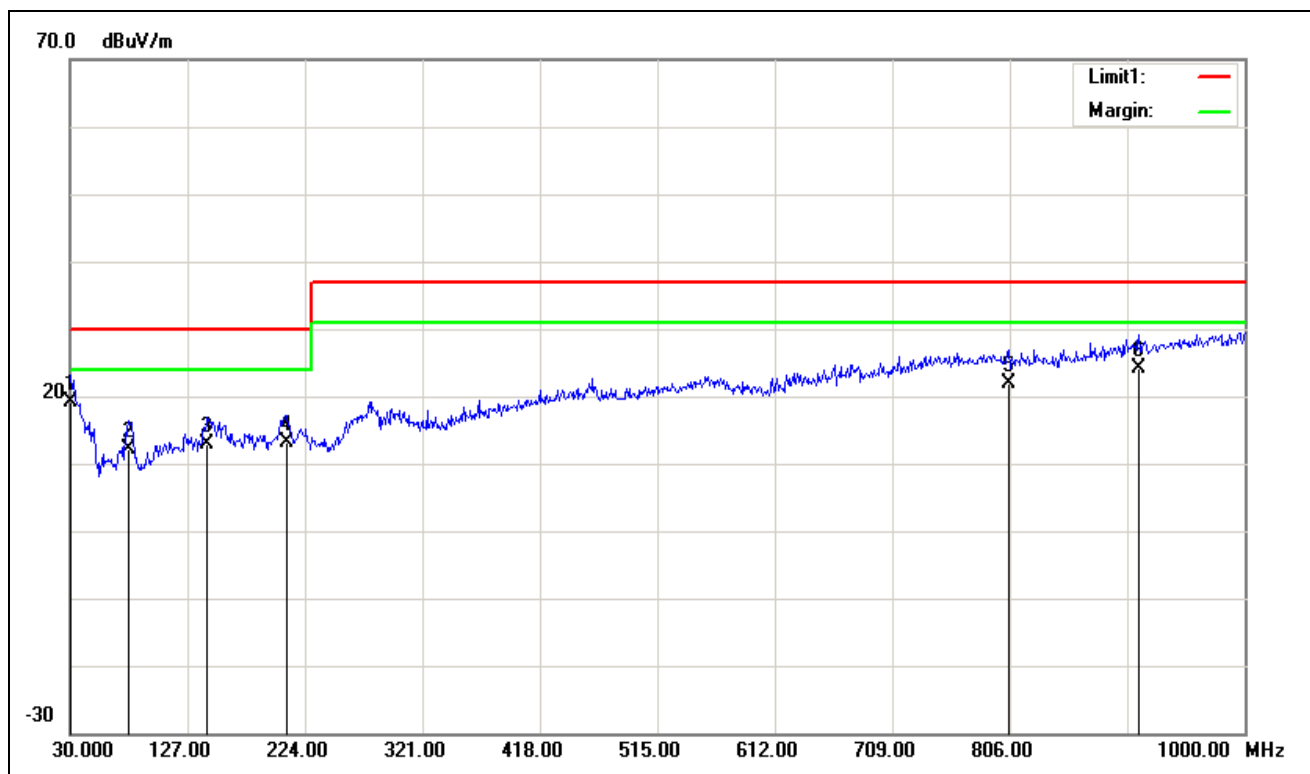
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:21:09:31
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 56



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.87	-4.71	15.16	30.00	-14.84	100	15	QP
2	127.0000	27.86	-13.54	14.32	30.00	-15.68	300	48	QP
3	152.2200	27.20	-12.61	14.59	30.00	-15.41	300	247	QP
4	203.6300	30.05	-13.05	17.00	30.00	-13.00	300	333	QP
5	221.0900	28.63	-12.96	15.67	30.00	-14.33	300	205	QP
6	883.6000	20.37	1.94	22.31	37.00	-14.69	200	12	QP

**Note:** 1. The other emission levels were very low against the limit.

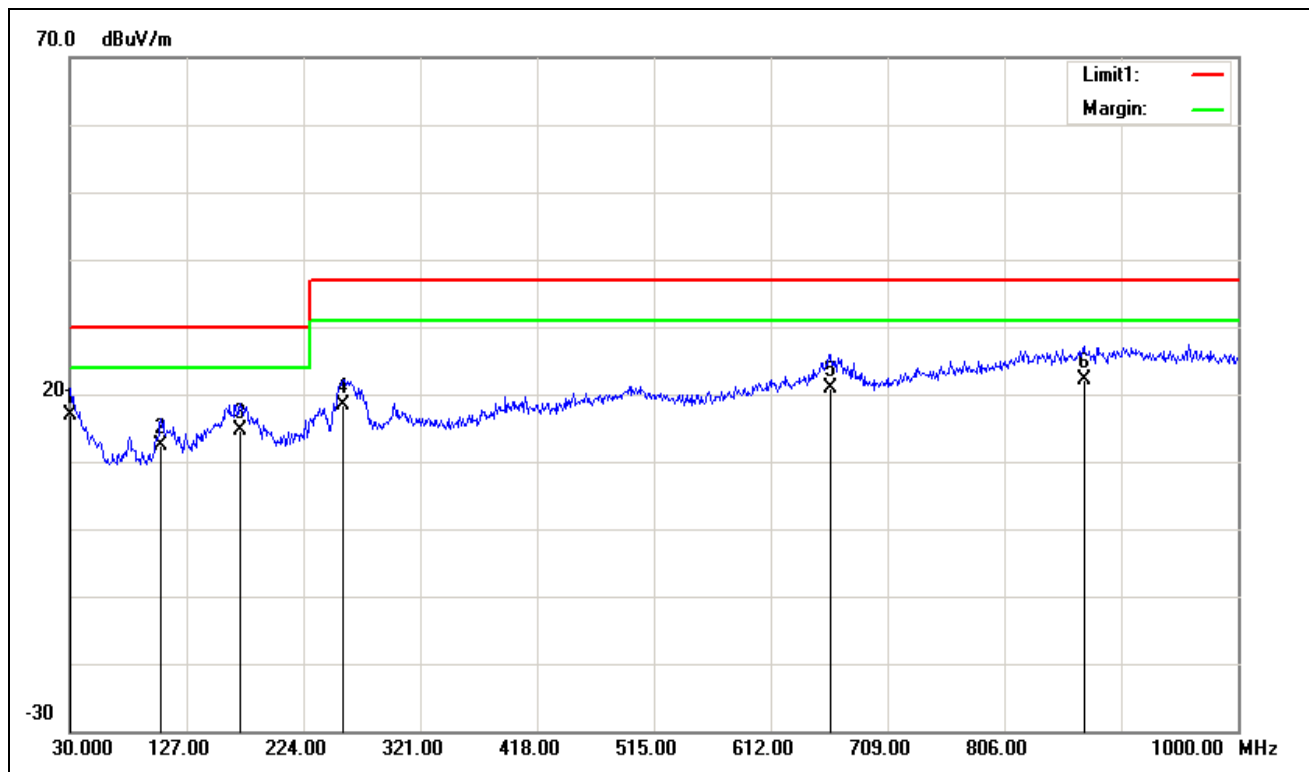
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:14:08:14
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 57



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	26.04	-7.01	19.03	30.00	-10.97	200	120	QP
2	78.5000	30.80	-18.56	12.24	30.00	-17.76	100	261	QP
3	143.4900	26.69	-13.86	12.83	30.00	-17.17	400	164	QP
4	209.4500	27.60	-14.50	13.10	30.00	-16.90	300	17	QP
5	805.0300	23.45	-1.55	21.90	37.00	-15.10	200	0	QP
6	912.7000	23.76	0.35	24.11	37.00	-12.89	100	100	QP

**Note:** 1. The other emission levels were very low against the limit.

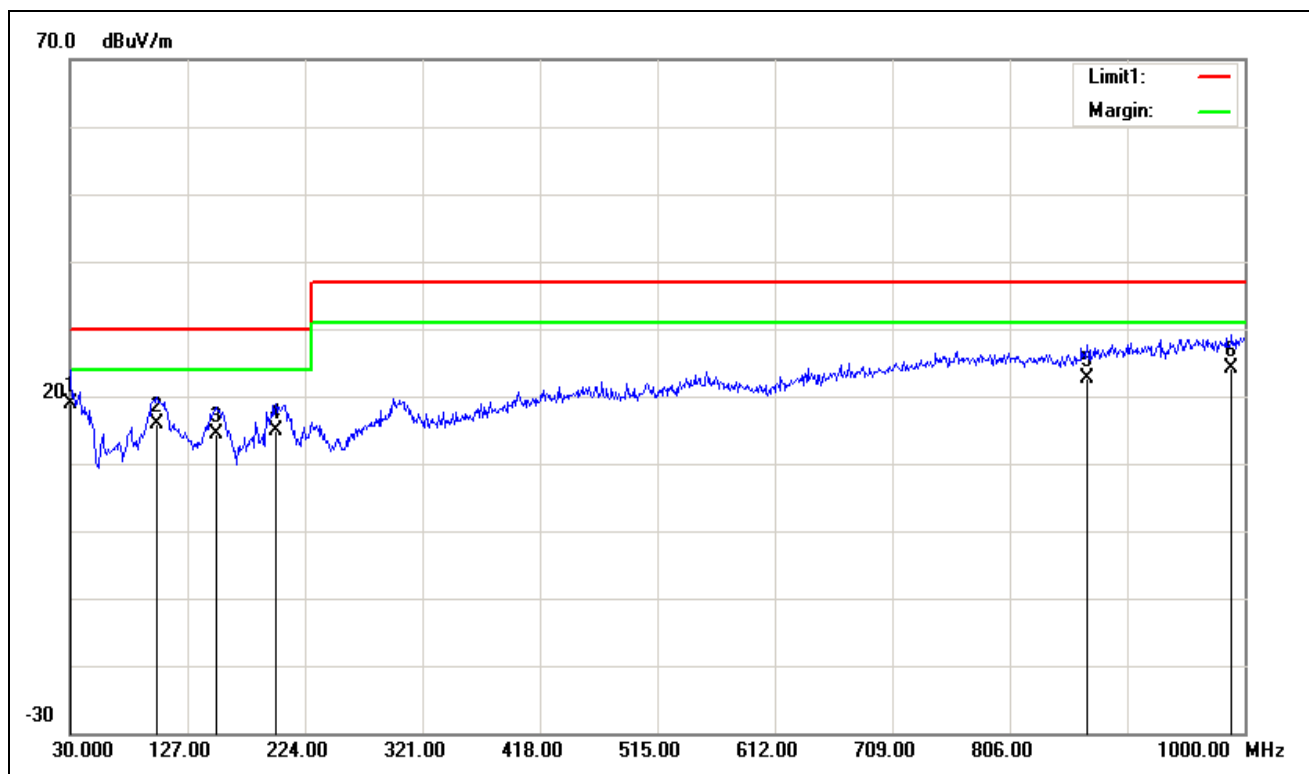
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:14:08:12
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 57



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	22.06	-5.27	16.79	30.00	-13.21	400	360	QP
2	105.6600	26.69	-14.43	12.26	30.00	-17.74	400	282	QP
3	171.6200	27.32	-12.80	14.52	30.00	-15.48	400	282	QP
4	256.9800	30.78	-12.48	18.30	37.00	-18.70	300	273	QP
5	661.4700	23.23	-2.26	20.97	37.00	-16.03	100	104	QP
6	871.9600	20.45	1.71	22.16	37.00	-14.84	100	284	QP

**Note:** 1. The other emission levels were very low against the limit.

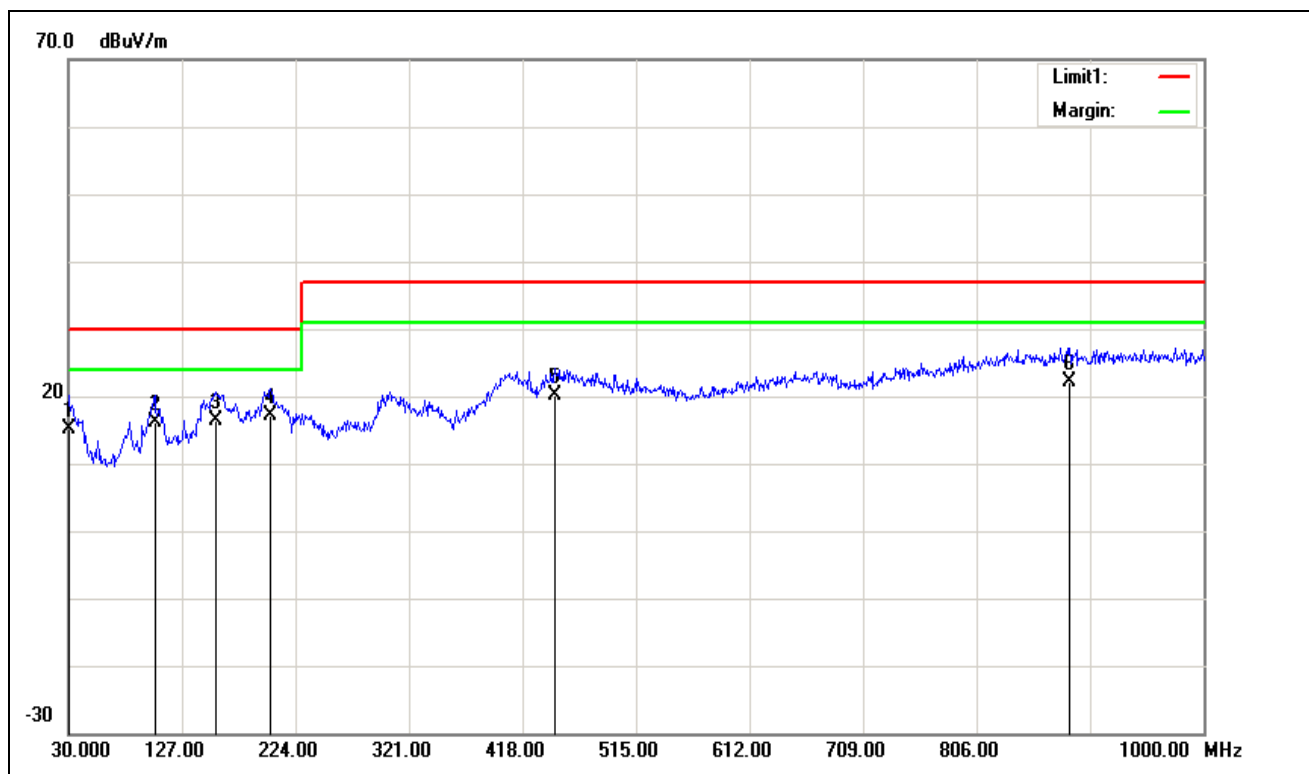
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:17:47
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 58



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	25.12	-6.35	18.77	30.00	-11.23	100	0	QP
2	101.7800	33.25	-17.30	15.95	30.00	-14.05	200	305	QP
3	150.2800	27.66	-13.33	14.33	30.00	-15.67	300	63	QP
4	199.7500	29.16	-14.38	14.78	30.00	-15.22	400	90	QP
5	870.0200	23.61	-0.91	22.70	37.00	-14.30	200	276	QP
6	989.3300	22.25	1.83	24.08	37.00	-12.92	400	266	QP

**Note:** 1. The other emission levels were very low against the limit.

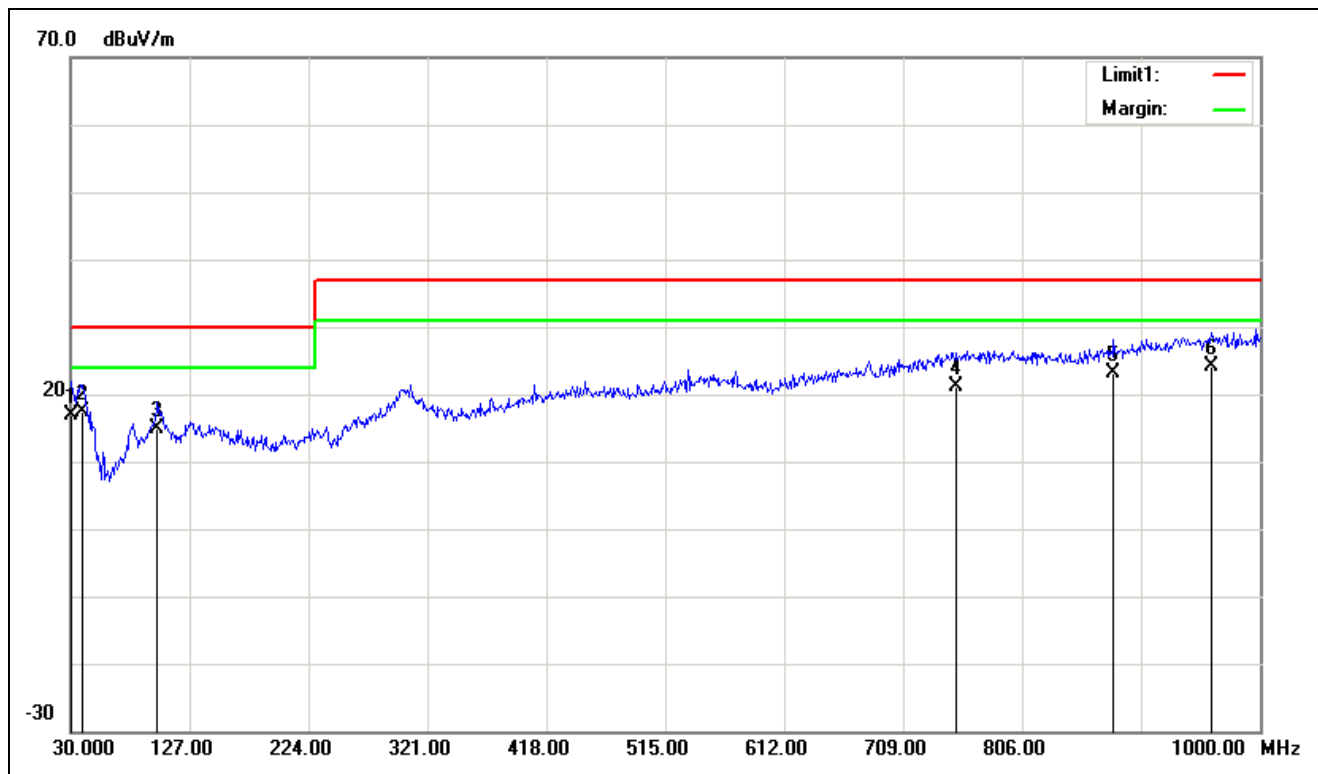
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:15:17:45
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 58



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.85	-4.71	15.14	30.00	-14.86	100	117	QP
2	103.7200	30.54	-14.51	16.03	30.00	-13.97	400	278	QP
3	156.1000	29.15	-12.65	16.50	30.00	-13.50	400	43	QP
4	202.6600	30.18	-13.06	17.12	30.00	-12.88	300	274	QP
5	445.1600	27.59	-7.43	20.16	37.00	-16.84	100	151	QP
6	885.5400	20.23	1.97	22.20	37.00	-14.80	400	352	QP

**Note:** 1. The other emission levels were very low against the limit.

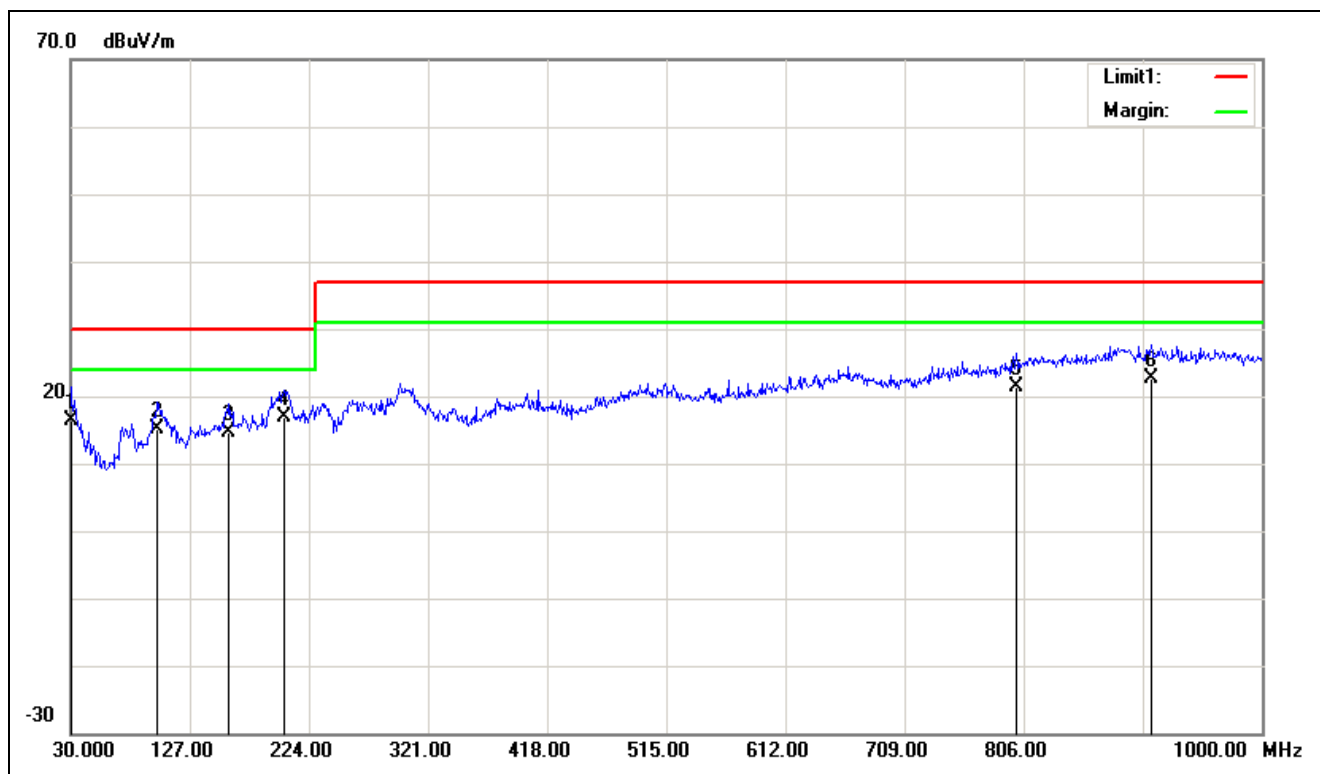
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:17:44
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 59



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.81	-7.01	16.80	30.00	-13.20	100	363	QP
2	39.7000	30.24	-12.98	17.26	30.00	-12.74	100	41	QP
3	100.8100	32.26	-17.38	14.88	30.00	-15.12	200	319	QP
4	752.6500	23.03	-1.81	21.22	37.00	-15.78	300	306	QP
5	880.6900	23.69	-0.55	23.14	37.00	-13.86	300	215	QP
6	960.2300	22.88	1.27	24.15	37.00	-12.85	300	13	QP

**Note:** 1. The other emission levels were very low against the limit.

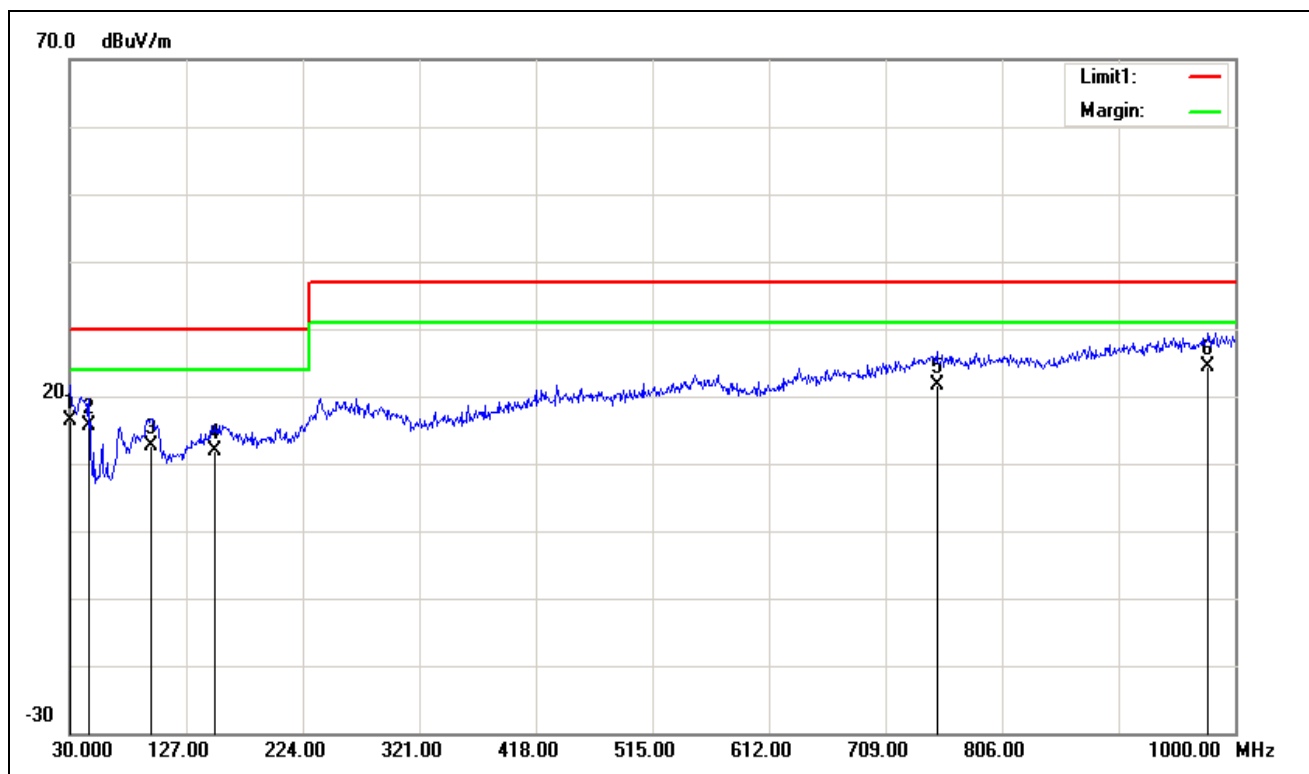
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:17:17:43
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 59



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.12	-4.71	16.41	30.00	-13.59	300	141	QP
2	100.8100	29.80	-14.63	15.17	30.00	-14.83	400	279	QP
3	159.0100	27.41	-12.68	14.73	30.00	-15.27	400	312	QP
4	203.6300	29.95	-13.05	16.90	30.00	-13.10	400	48	QP
5	800.1800	21.49	-0.16	21.33	37.00	-15.67	300	249	QP
6	909.7900	20.60	2.12	22.72	37.00	-14.28	300	199	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:26:50
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 60

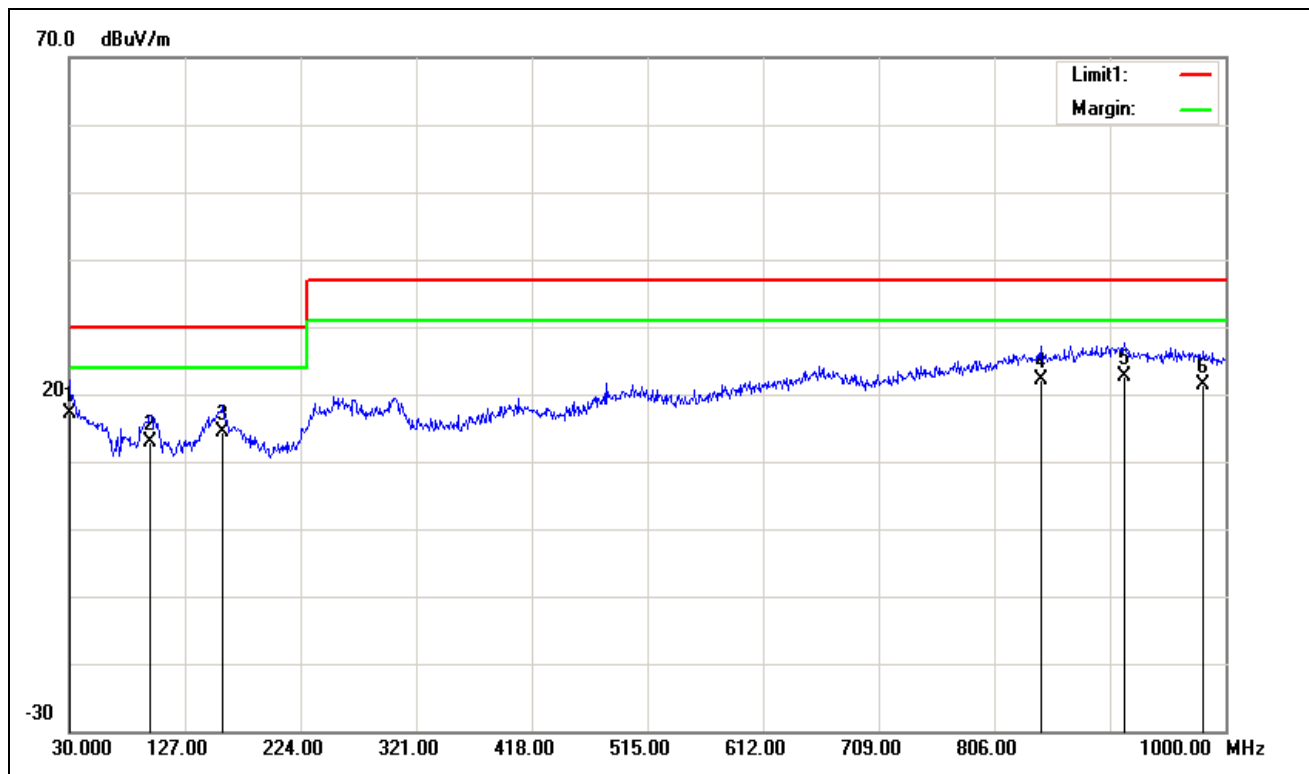


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.51	-7.01	16.50	30.00	-13.50	200	172	QP
2	46.4900	33.17	-17.62	15.55	30.00	-14.45	100	131	QP
3	97.9000	30.09	-17.56	12.53	30.00	-17.47	200	291	QP
4	151.2500	25.19	-13.35	11.84	30.00	-18.16	400	293	QP
5	751.6800	23.55	-1.81	21.74	37.00	-15.26	100	10	QP
6	977.6900	22.69	1.60	24.29	37.00	-12.71	400	354	QP

**Note:** 1. The other emission levels were very low against the limit.



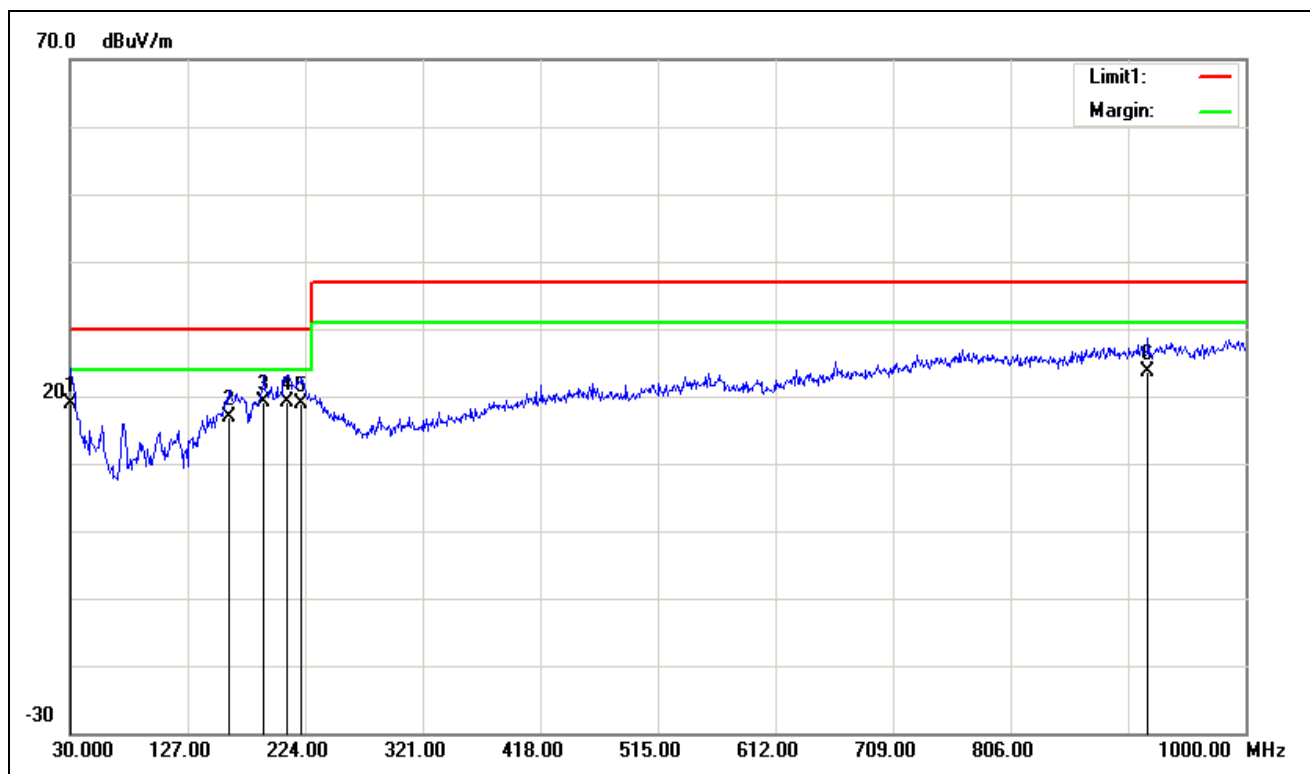
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-24	Time:19:26:48
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 60



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.88	-4.71	17.17	30.00	-12.83	300	347	QP
2	97.9000	27.55	-14.72	12.83	30.00	-17.17	400	308	QP
3	159.0100	27.12	-12.68	14.44	30.00	-15.56	400	299	QP
4	844.8000	20.91	1.14	22.05	37.00	-14.95	100	61	QP
5	915.6100	20.67	2.04	22.71	37.00	-14.29	100	248	QP
6	981.5700	20.17	1.29	21.46	37.00	-15.54	300	210	QP

**Note:** 1. The other emission levels were very low against the limit.

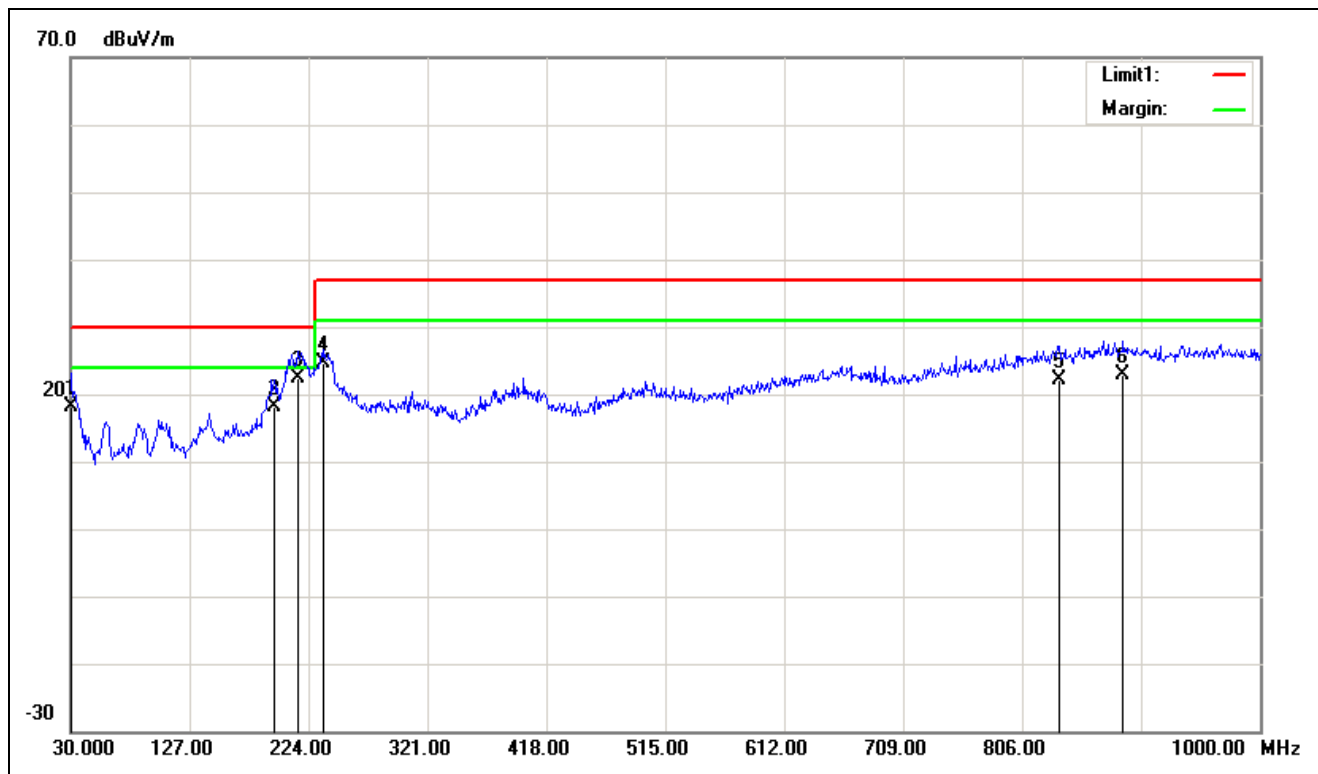
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:55:13
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 61



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.77	-7.01	18.76	30.00	-11.24	400	113	QP
2	160.9500	30.37	-13.55	16.82	30.00	-13.18	100	103	QP
3	190.0500	33.23	-14.18	19.05	30.00	-10.95	100	308	QP
4	208.4800	33.69	-14.48	19.21	30.00	-10.79	100	6	QP
5	221.0900	33.53	-14.63	18.90	30.00	-11.10	100	359	QP
6	919.4900	23.18	0.48	23.66	37.00	-13.34	100	357	QP

**Note:** 1. The other emission levels were very low against the limit.

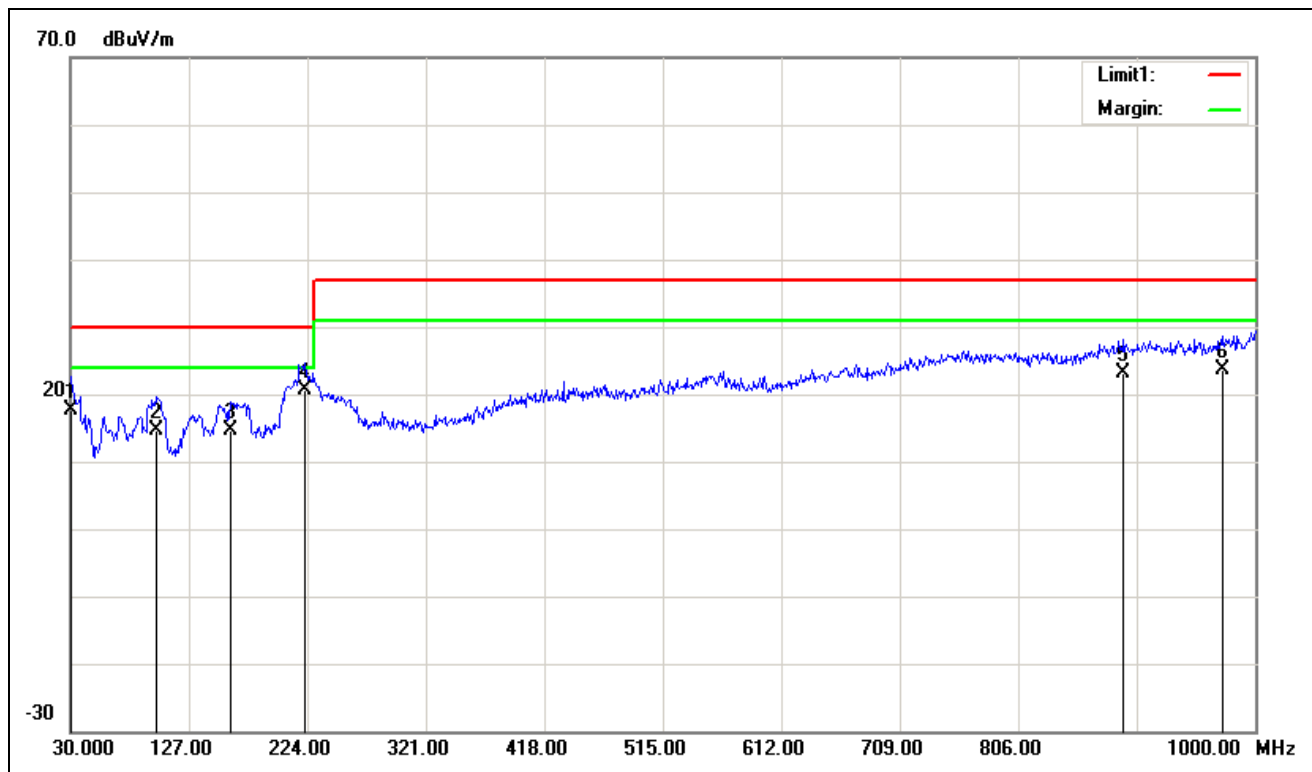
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:55:11
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 61



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	22.91	-4.71	18.20	30.00	-11.80	200	360	QP
2	195.8700	31.14	-13.03	18.11	30.00	-11.89	400	275	QP
3	215.2700	35.26	-12.99	22.27	30.00	-7.73	400	18	QP
4	236.6100	37.54	-12.89	24.65	37.00	-12.35	300	90	QP
5	836.0700	21.33	0.88	22.21	37.00	-14.79	300	152	QP
6	888.4500	20.92	2.03	22.95	37.00	-14.05	100	167	QP

**Note:** 1. The other emission levels were very low against the limit.

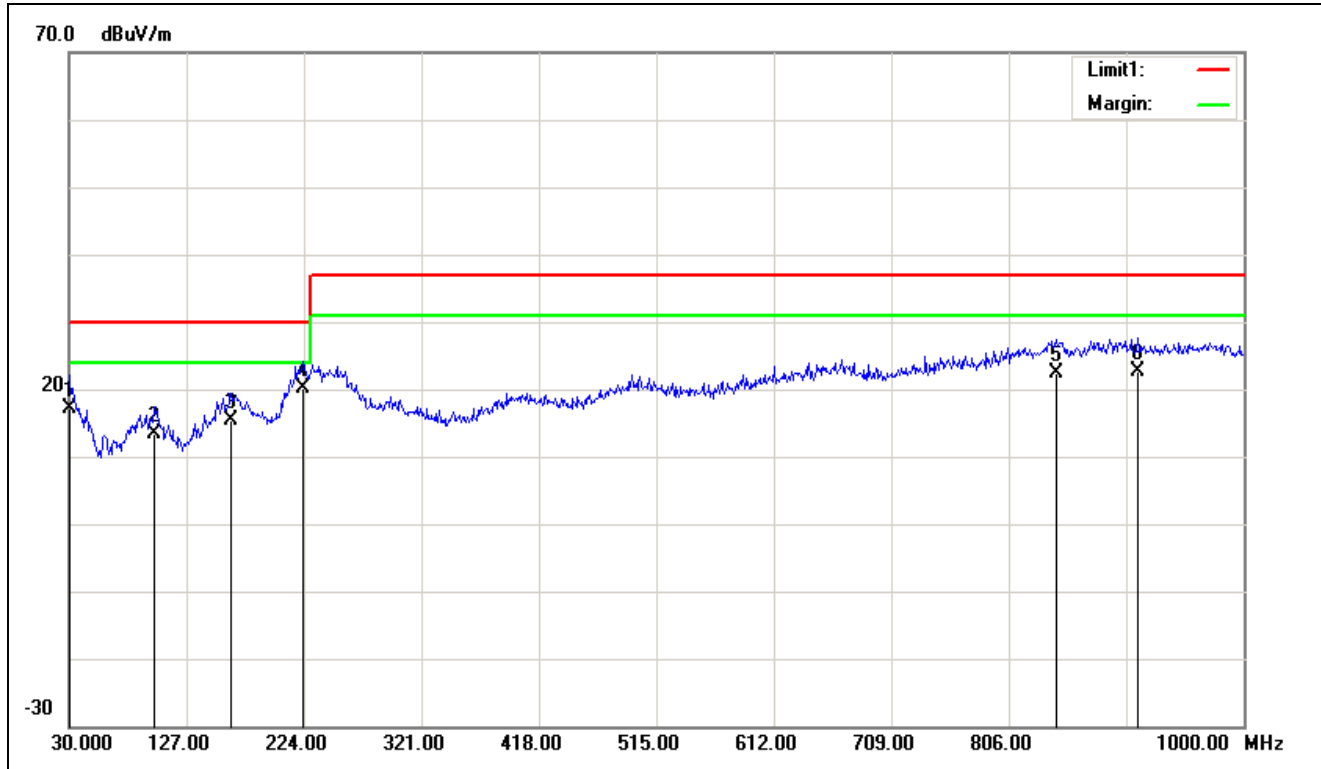
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:22:14
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 62



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.63	-7.01	17.62	30.00	-12.38	100	235	QP
2	99.8400	32.14	-17.46	14.68	30.00	-15.32	200	244	QP
3	160.9500	28.26	-13.55	14.71	30.00	-15.29	400	231	QP
4	222.0600	35.16	-14.64	20.52	30.00	-9.48	100	50	QP
5	892.3300	23.32	-0.15	23.17	37.00	-13.83	200	143	QP
6	972.8400	22.15	1.51	23.66	37.00	-13.34	300	166	QP

**Note:** 1. The other emission levels were very low against the limit.

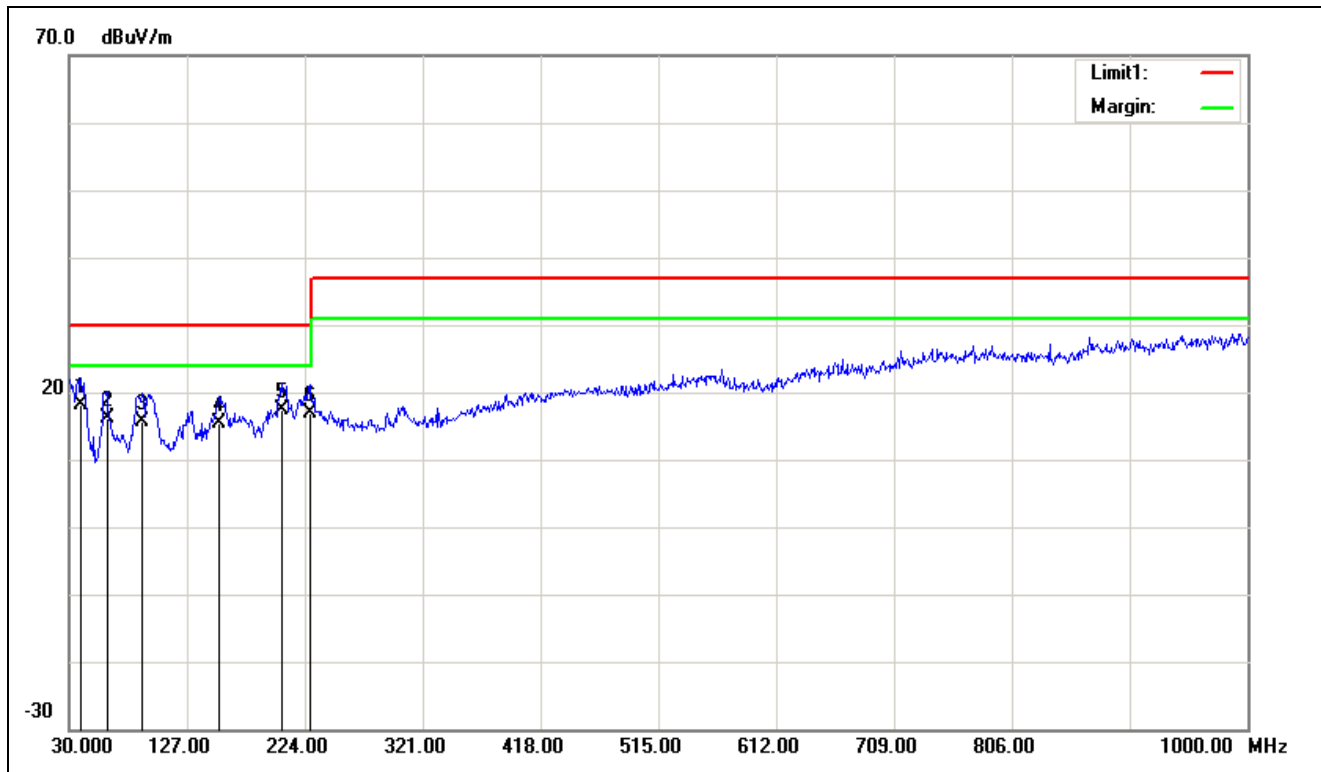
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:22:12
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 62



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.93	-4.71	17.22	30.00	-12.78	100	359	QP
2	99.8400	27.98	-14.66	13.32	30.00	-16.68	300	317	QP
3	163.8600	28.07	-12.72	15.35	30.00	-14.65	200	58	QP
4	223.0300	33.03	-12.95	20.08	30.00	-9.92	400	235	QP
5	844.8000	21.27	1.14	22.41	37.00	-14.59	100	68	QP
6	912.7000	20.51	2.08	22.59	37.00	-14.41	300	28	QP

**Note:** 1. The other emission levels were very low against the limit.

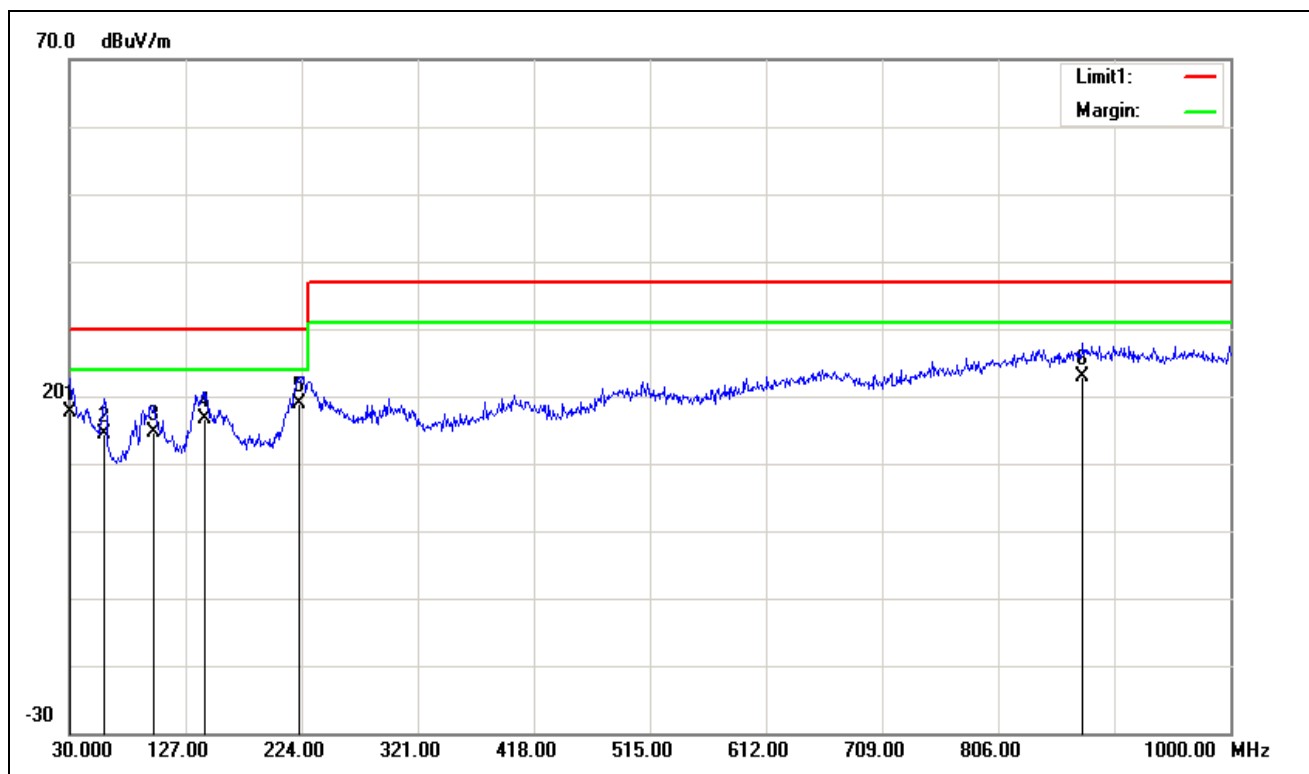
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:45:21
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 63



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	39.7000	31.02	-12.98	18.04	30.00	-11.96	100	138	QP
2	61.0400	35.48	-19.45	16.03	30.00	-13.97	200	121	QP
3	90.1400	33.63	-17.96	15.67	30.00	-14.33	300	133	QP
4	153.1900	28.70	-13.39	15.31	30.00	-14.69	100	282	QP
5	204.6000	31.77	-14.44	17.33	30.00	-12.67	100	348	QP
6	227.8800	31.70	-14.70	17.00	30.00	-13.00	100	41	QP

**Note:** 1. The other emission levels were very low against the limit.

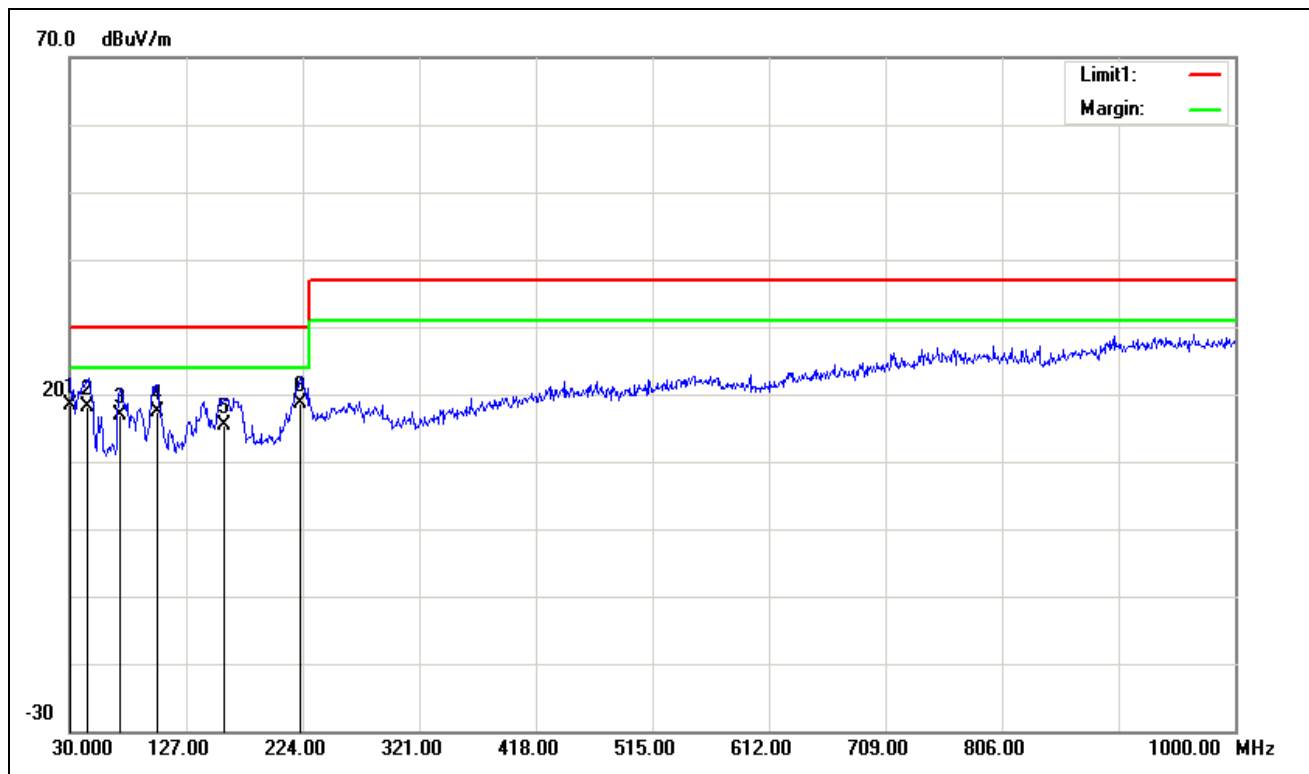
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:45:19
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 63



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	22.85	-5.27	17.58	30.00	-12.42	300	176	QP
2	59.1000	30.40	-15.90	14.50	30.00	-15.50	400	222	QP
3	100.8100	29.21	-14.63	14.58	30.00	-15.42	400	280	QP
4	143.4900	29.46	-12.86	16.60	30.00	-13.40	400	77	QP
5	222.0600	31.75	-12.96	18.79	30.00	-11.21	400	90	QP
6	876.8100	21.06	1.80	22.86	37.00	-14.14	100	125	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:49:28
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 64

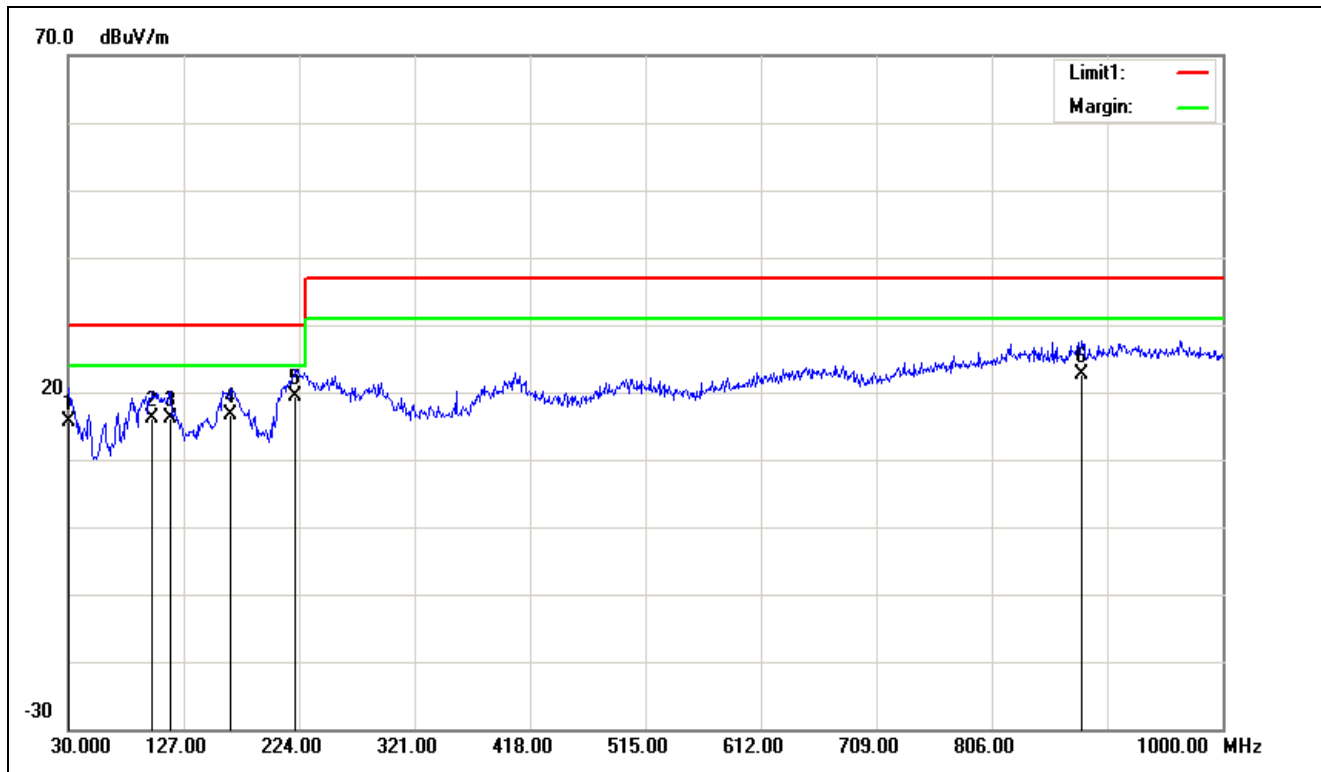


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	24.85	-6.35	18.50	30.00	-11.50	200	121	QP
2	44.5500	34.41	-16.29	18.12	30.00	-11.88	400	169	QP
3	71.7100	35.90	-18.90	17.00	30.00	-13.00	200	1	QP
4	102.7500	34.65	-17.22	17.43	30.00	-12.57	200	34	QP
5	158.0400	28.78	-13.49	15.29	30.00	-14.71	100	1	QP
6	222.0600	33.19	-14.64	18.55	30.00	-11.45	100	67	QP

**Note:** 1. The other emission levels were very low against the limit.



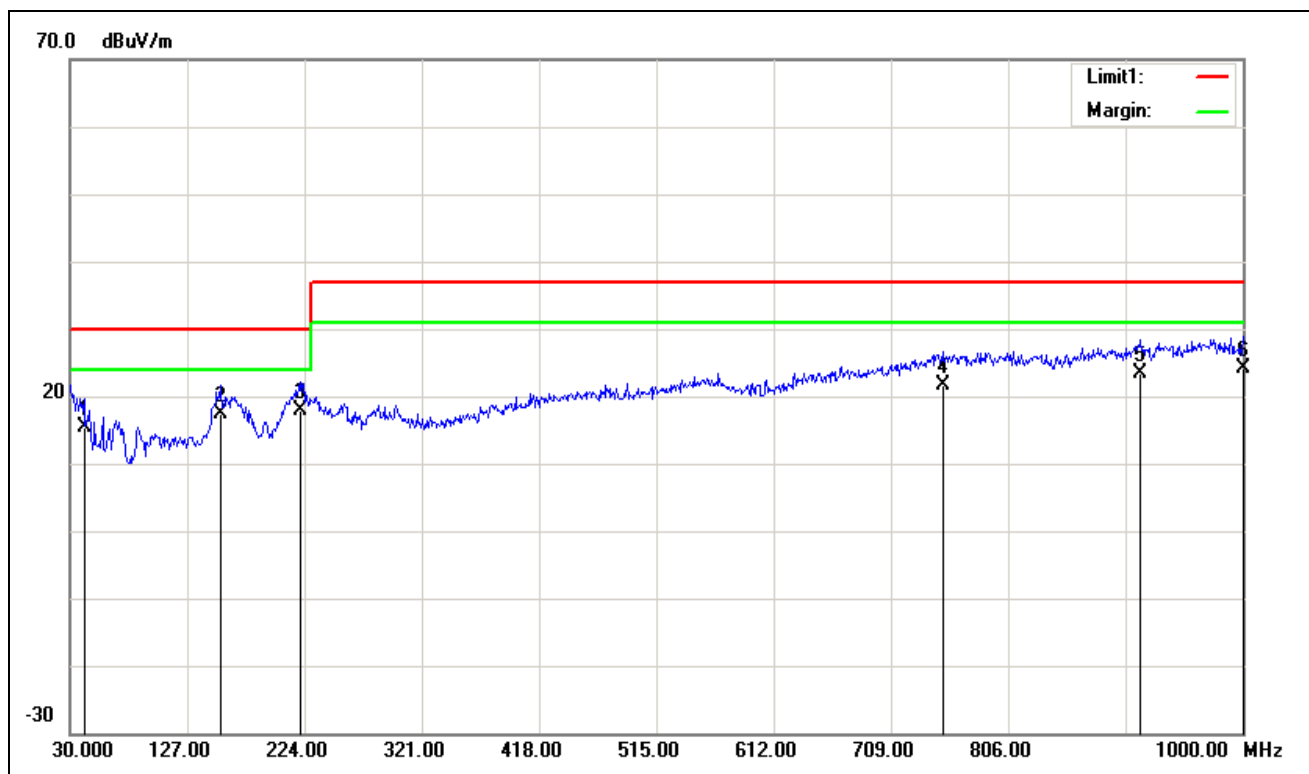
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:49:27
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 64



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.30	-4.71	15.59	30.00	-14.41	200	166	QP
2	100.8100	30.84	-14.63	16.21	30.00	-13.79	400	253	QP
3	115.3600	30.04	-14.02	16.02	30.00	-13.98	300	84	QP
4	166.7700	29.28	-12.75	16.53	30.00	-13.47	400	266	QP
5	221.0900	32.30	-12.96	19.34	30.00	-10.66	300	264	QP
6	881.6600	20.72	1.90	22.62	37.00	-14.38	200	191	QP

**Note:** 1. The other emission levels were very low against the limit.

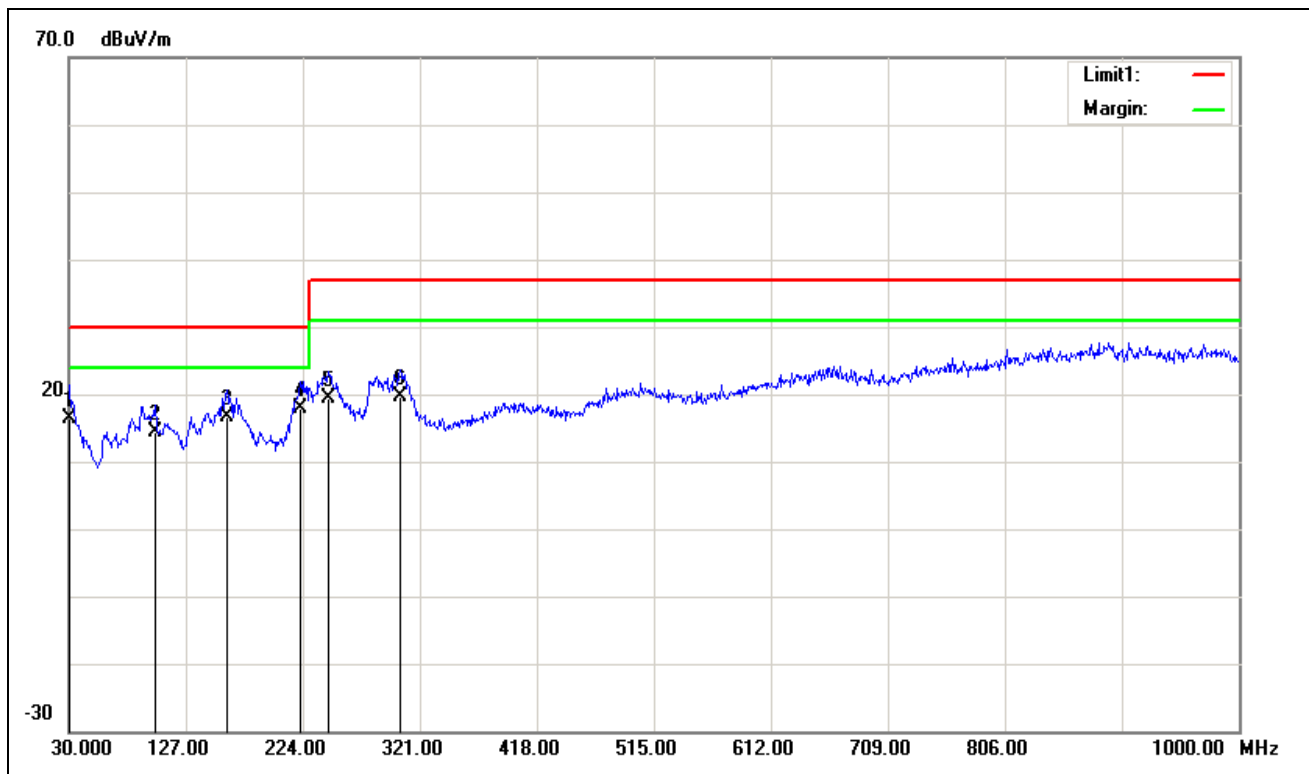
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:14:22
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 65



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	41.6400	29.77	-14.31	15.46	30.00	-14.54	100	269	QP
2	154.1600	30.91	-13.41	17.50	30.00	-12.50	100	269	QP
3	220.1200	32.62	-14.62	18.00	30.00	-12.00	100	68	QP
4	751.6800	23.44	-1.81	21.63	37.00	-15.37	400	95	QP
5	915.6100	23.03	0.41	23.44	37.00	-13.56	400	271	QP
6	1000.0000	21.98	2.03	24.01	37.00	-12.99	400	181	QP

**Note:** 1. The other emission levels were very low against the limit.

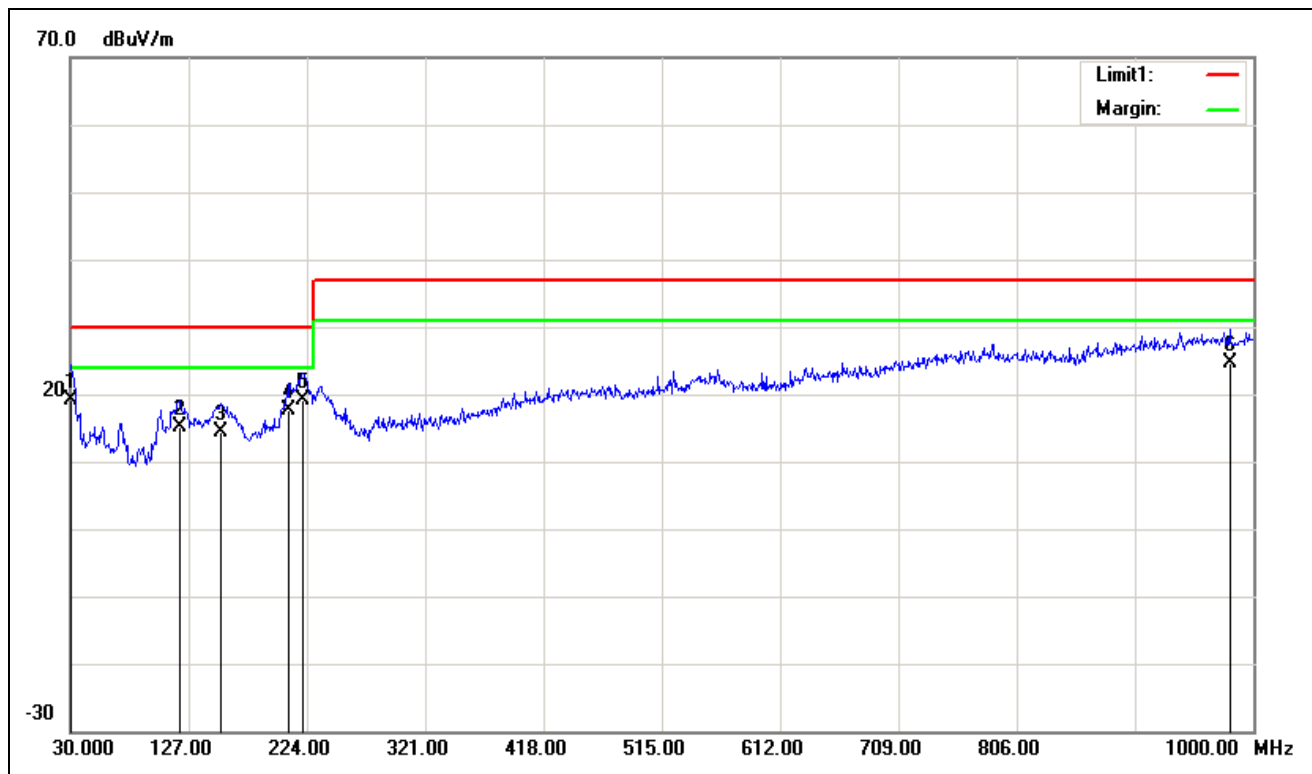
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:14:20
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 65



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.05	-4.71	16.34	30.00	-13.66	300	261	QP
2	101.7800	28.91	-14.59	14.32	30.00	-15.68	100	1	QP
3	160.9500	29.24	-12.70	16.54	30.00	-13.46	400	309	QP
4	222.0600	30.96	-12.96	18.00	30.00	-12.00	200	82	QP
5	245.3400	32.30	-12.84	19.46	37.00	-17.54	400	72	QP
6	304.5100	29.87	-10.34	19.53	37.00	-17.47	400	108	QP

**Note:** 1. The other emission levels were very low against the limit.

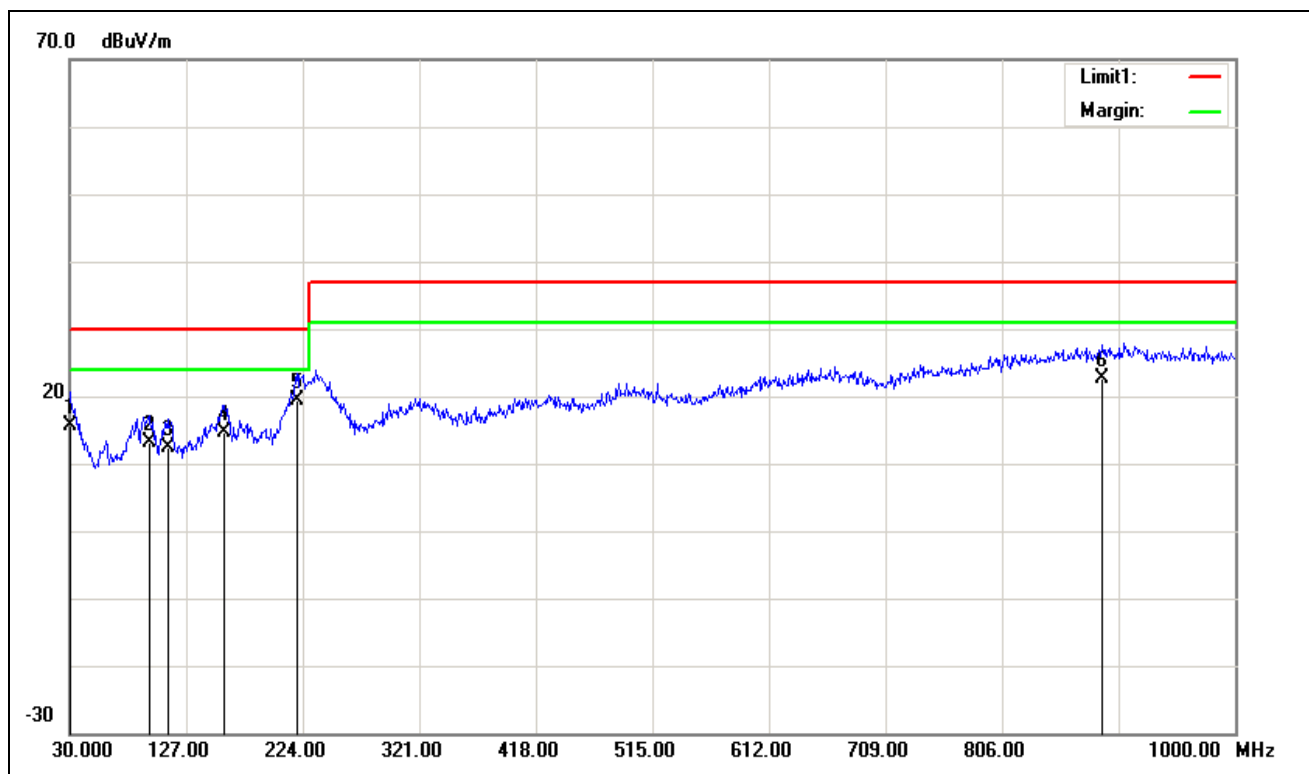
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:00:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 66



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	25.48	-6.35	19.13	30.00	-10.87	100	32	QP
2	119.2400	31.06	-15.86	15.20	30.00	-14.80	200	237	QP
3	153.1900	27.88	-13.39	14.49	30.00	-15.51	200	360	QP
4	209.4500	32.14	-14.50	17.64	30.00	-12.36	100	84	QP
5	220.1200	33.83	-14.62	19.21	30.00	-10.79	100	1	QP
6	980.6000	23.00	1.66	24.66	37.00	-12.34	300	273	QP

**Note:** 1. The other emission levels were very low against the limit.

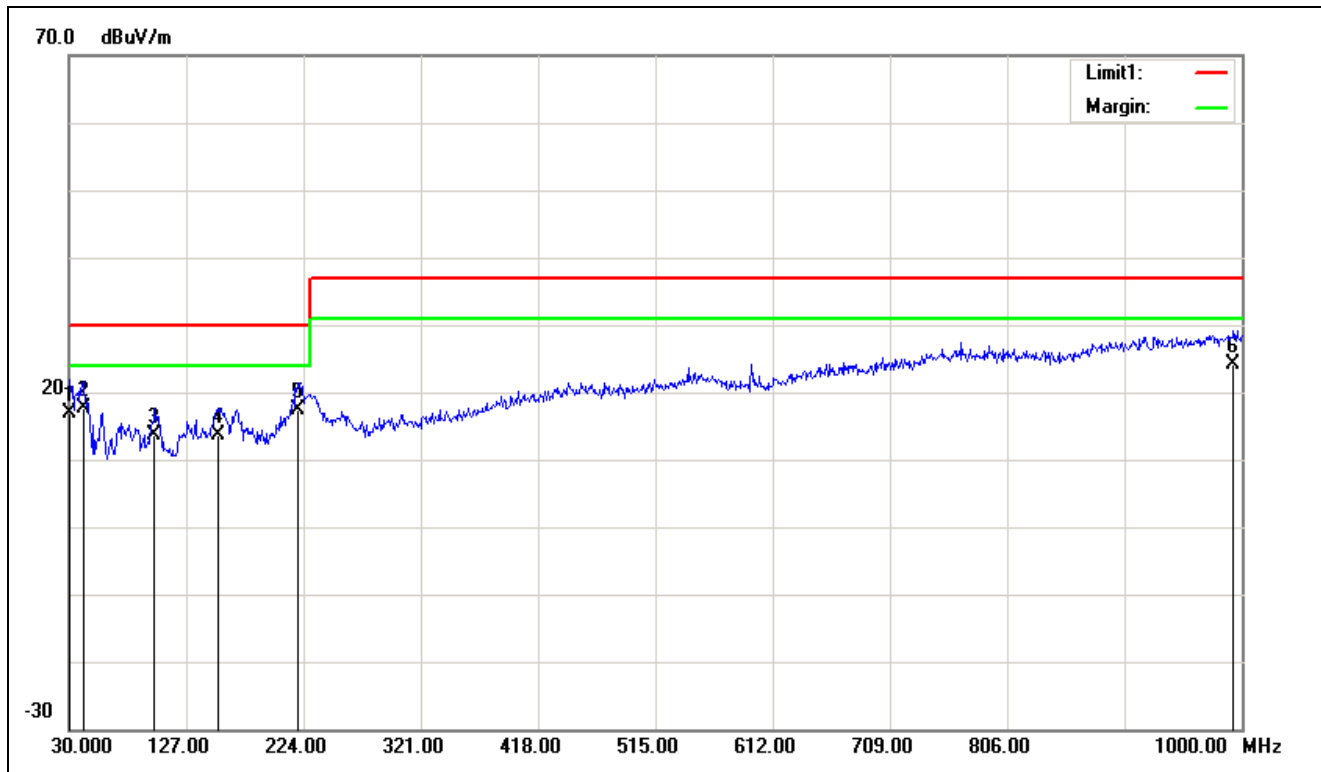
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:00:56
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 66



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.37	-4.71	15.66	30.00	-14.34	100	159	QP
2	95.9600	27.80	-14.78	13.02	30.00	-16.98	300	313	QP
3	111.4800	26.67	-14.18	12.49	30.00	-17.51	100	116	QP
4	158.0400	27.35	-12.67	14.68	30.00	-15.32	300	80	QP
5	219.1500	32.47	-12.97	19.50	30.00	-10.50	400	266	QP
6	889.4200	20.57	2.05	22.62	37.00	-14.38	100	158	QP

**Note:** 1. The other emission levels were very low against the limit.

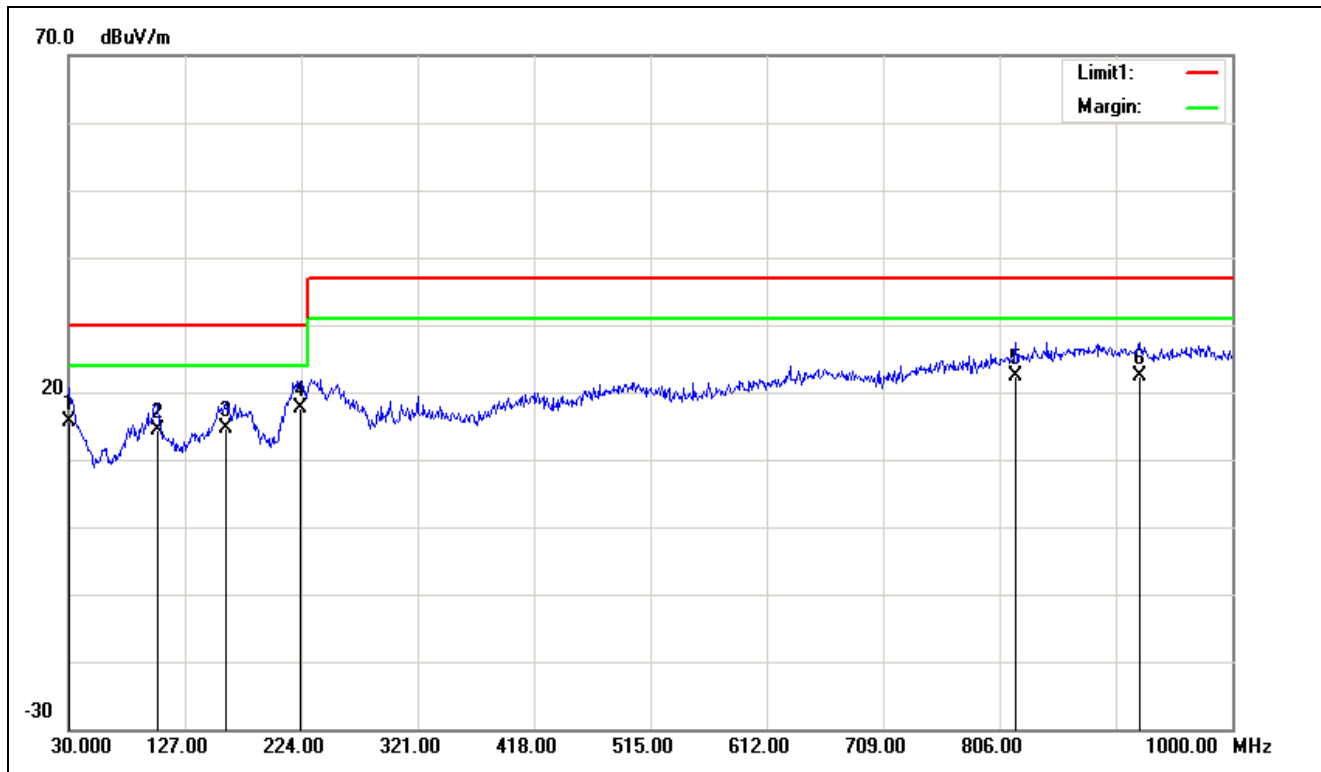
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:31:54
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 67



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.94	-7.01	16.93	30.00	-13.07	100	258	QP
2	41.6400	31.86	-14.31	17.55	30.00	-12.45	100	240	QP
3	100.8100	31.03	-17.38	13.65	30.00	-16.35	100	274	QP
4	153.1900	27.07	-13.39	13.68	30.00	-16.32	100	261	QP
5	219.1500	32.03	-14.60	17.43	30.00	-12.57	100	68	QP
6	993.2100	22.24	1.90	24.14	37.00	-12.86	200	231	QP

**Note:** 1. The other emission levels were very low against the limit.

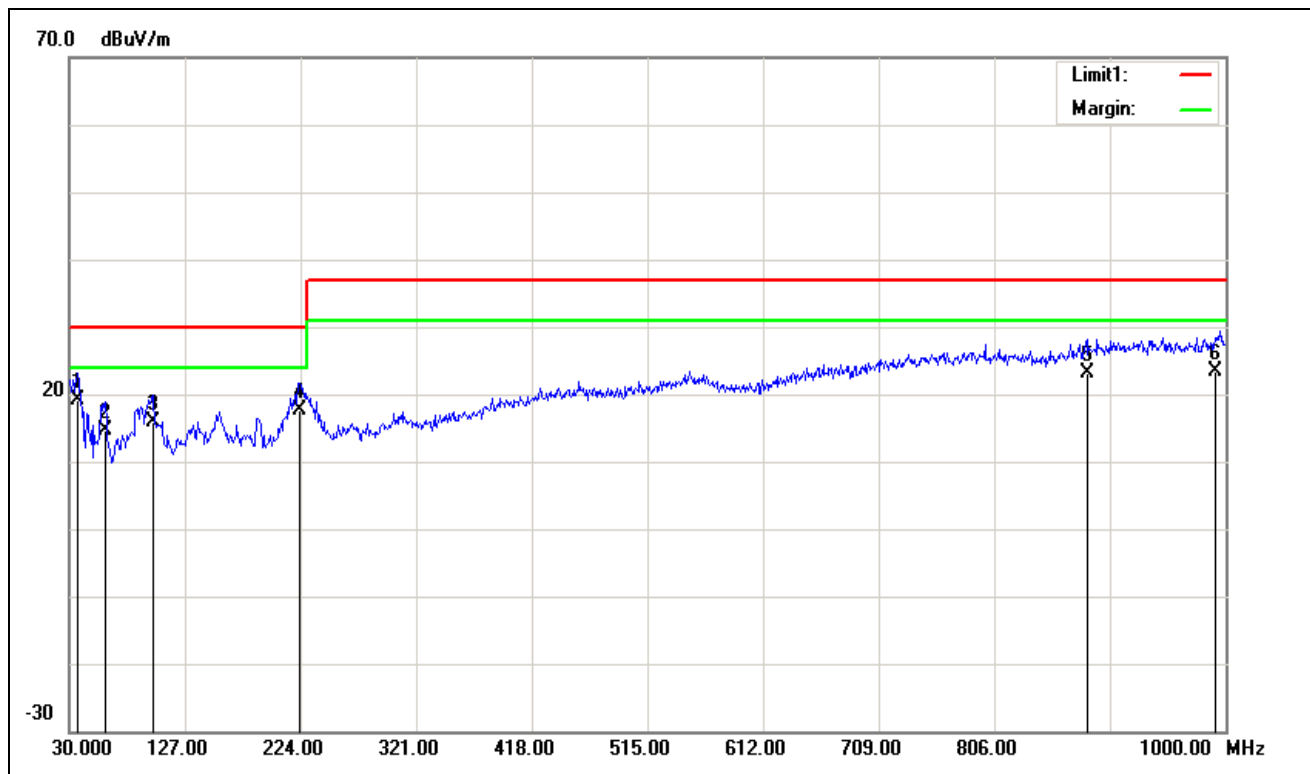
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:31:52
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 67



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.38	-4.71	15.67	30.00	-14.33	100	309	QP
2	103.7200	28.95	-14.51	14.44	30.00	-15.56	300	277	QP
3	160.9500	27.26	-12.70	14.56	30.00	-15.44	400	82	QP
4	223.0300	30.68	-12.95	17.73	30.00	-12.27	300	305	QP
5	819.5800	21.89	0.40	22.29	37.00	-14.71	100	117	QP
6	923.3700	20.55	1.93	22.48	37.00	-14.52	100	152	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:54:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 68

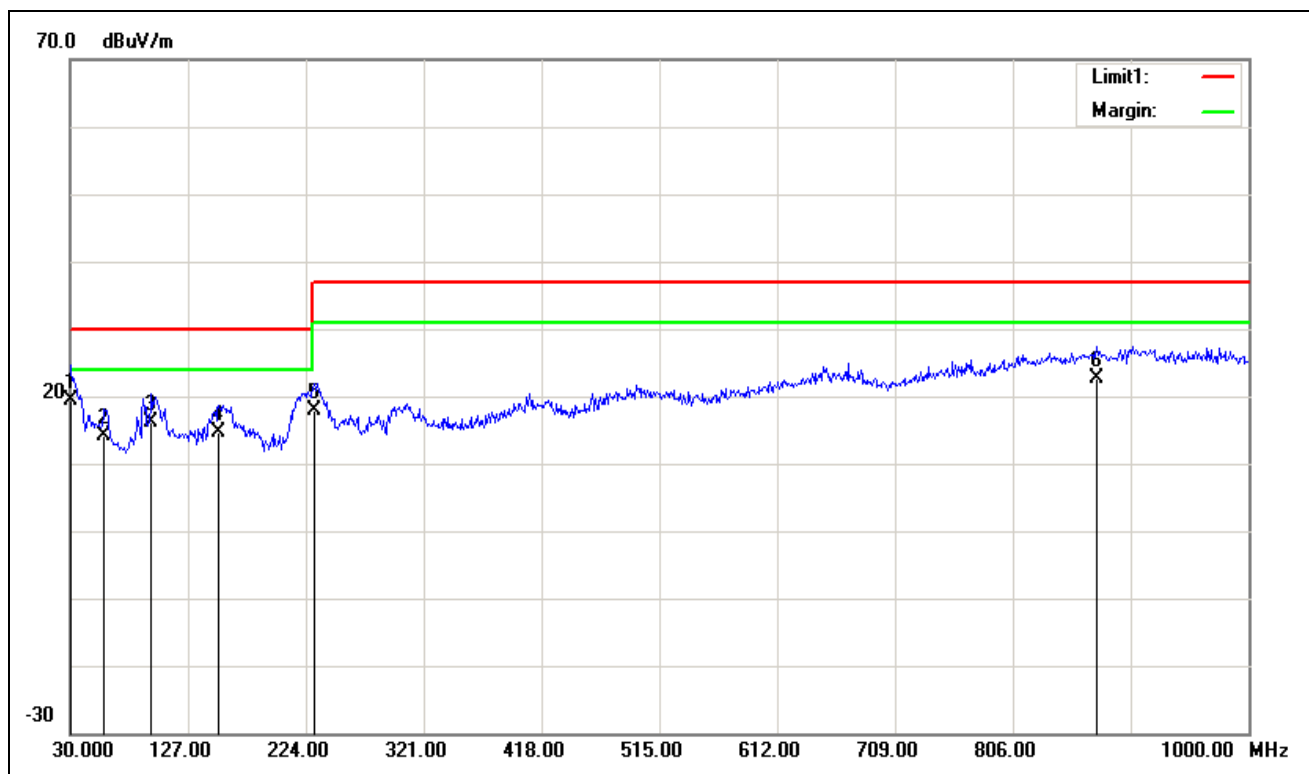


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	36.7900	30.04	-10.99	19.05	30.00	-10.95	100	160	QP
2	60.0700	34.17	-19.50	14.67	30.00	-15.33	200	78	QP
3	99.8400	33.24	-17.46	15.78	30.00	-14.22	300	305	QP
4	223.0300	32.24	-14.65	17.59	30.00	-12.41	100	353	QP
5	883.6000	23.60	-0.45	23.15	37.00	-13.85	400	354	QP
6	991.2700	21.42	1.86	23.28	37.00	-13.72	300	190	QP

**Note:** 1. The other emission levels were very low against the limit.



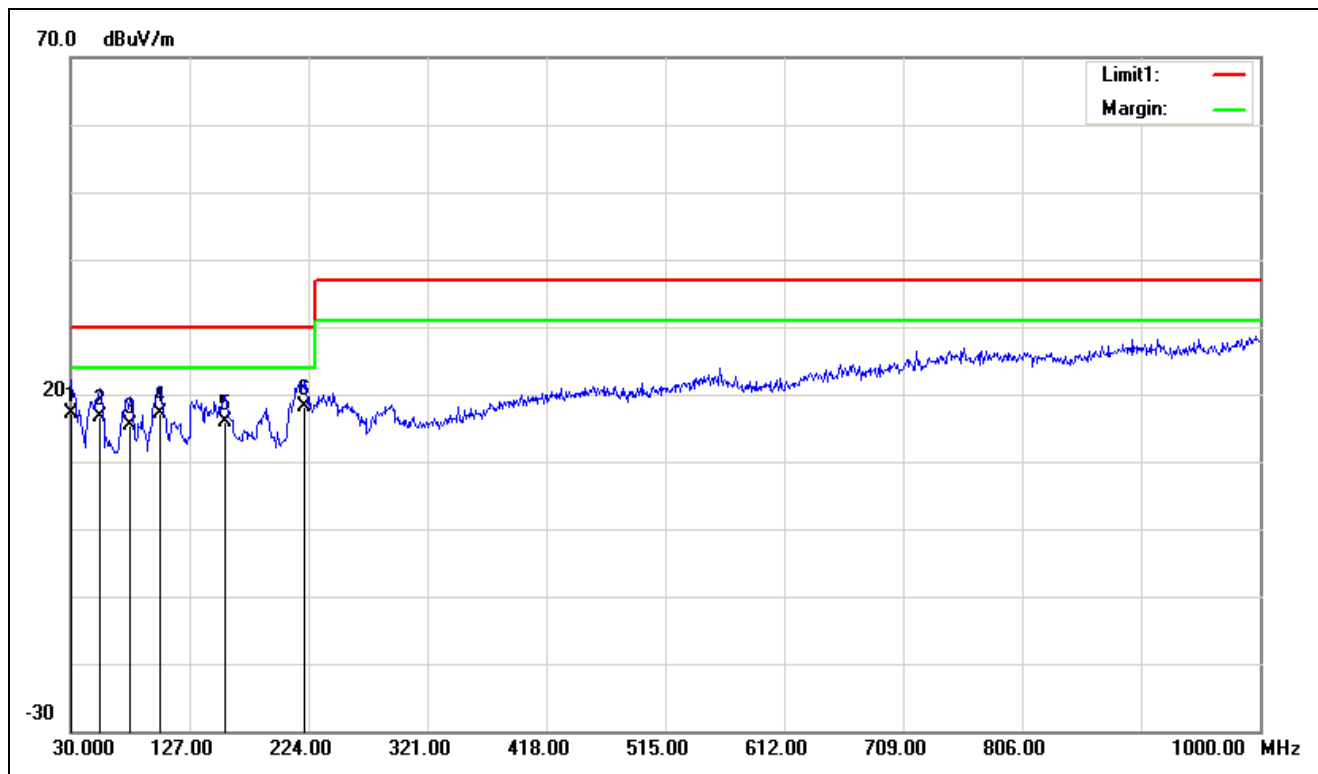
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:54:56
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 68



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	24.07	-4.71	19.36	30.00	-10.64	100	360	QP
2	58.1300	29.93	-15.92	14.01	30.00	-15.99	400	0	QP
3	96.9300	30.78	-14.75	16.03	30.00	-13.97	400	252	QP
4	152.2200	27.26	-12.61	14.65	30.00	-15.35	100	315	QP
5	230.7900	30.81	-12.92	17.89	37.00	-19.11	400	275	QP
6	874.8700	20.75	1.77	22.52	37.00	-14.48	200	293	QP

**Note:** 1. The other emission levels were very low against the limit.

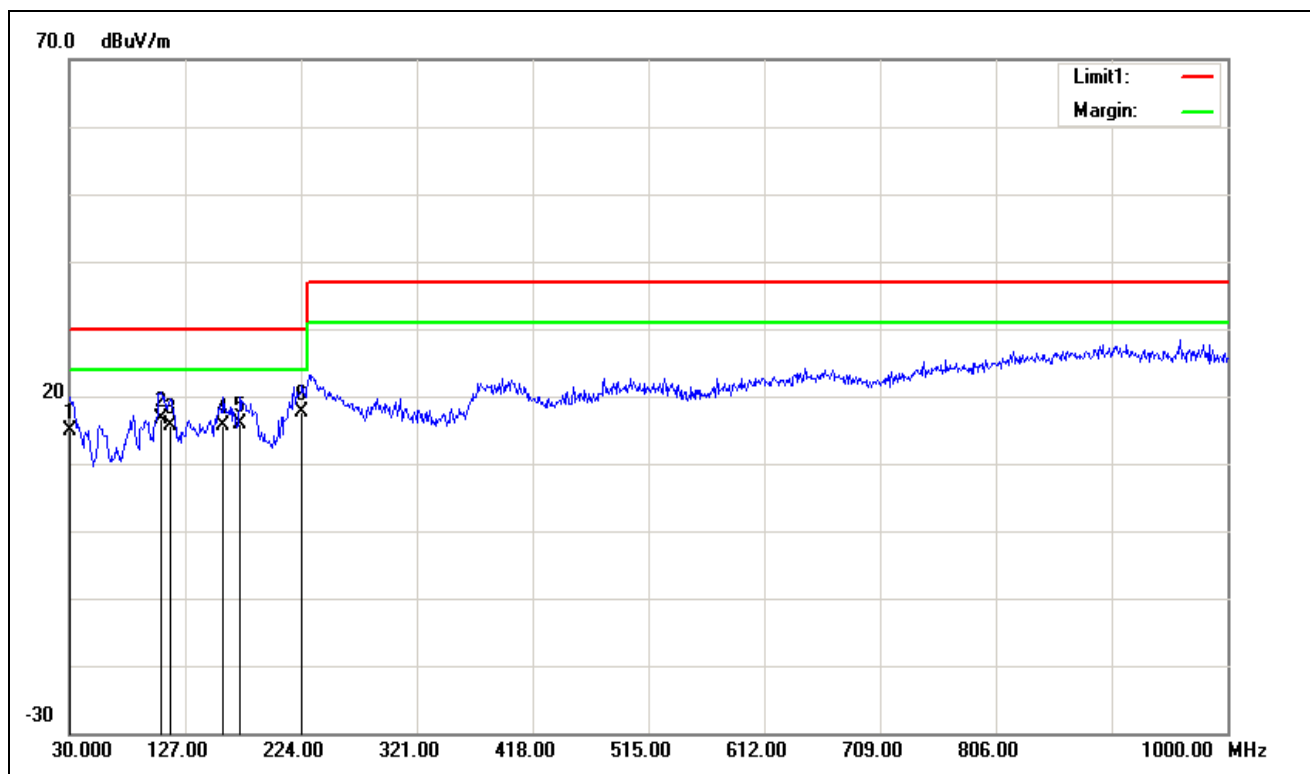
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:29:51
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 69



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.02	-7.01	17.01	30.00	-12.99	100	296	QP
2	54.2500	36.55	-19.80	16.75	30.00	-13.25	200	359	QP
3	78.5000	34.05	-18.56	15.49	30.00	-14.51	200	239	QP
4	102.7500	34.31	-17.22	17.09	30.00	-12.91	100	32	QP
5	156.1000	29.22	-13.45	15.77	30.00	-14.23	100	360	QP
6	221.0900	32.83	-14.63	18.20	30.00	-11.80	100	360	QP

**Note:** 1. The other emission levels were very low against the limit.

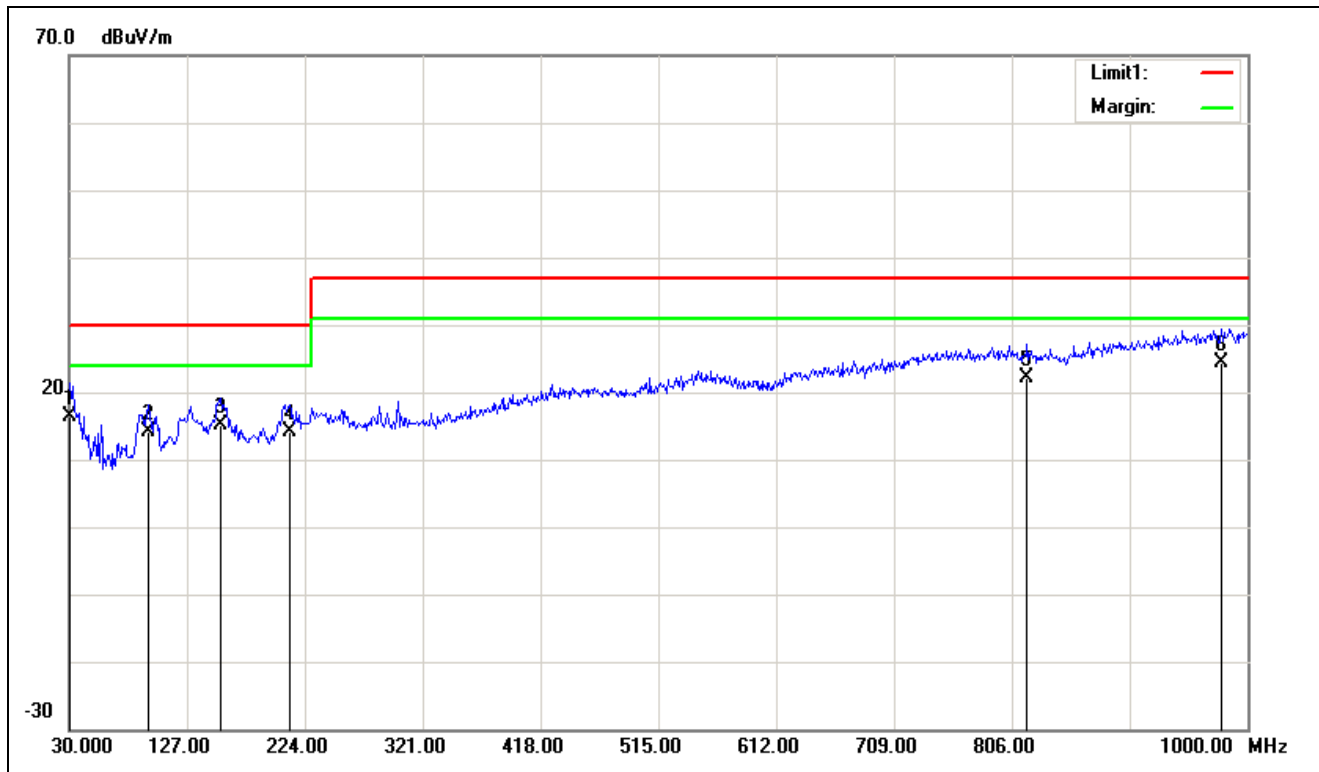
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:29:50
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 69



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	19.50	-4.71	14.79	30.00	-15.21	300	261	QP
2	106.6300	31.00	-14.39	16.61	30.00	-13.39	400	248	QP
3	114.3900	29.77	-14.06	15.71	30.00	-14.29	400	108	QP
4	159.0100	28.36	-12.68	15.68	30.00	-14.32	400	38	QP
5	172.5900	28.64	-12.81	15.83	30.00	-14.17	400	57	QP
6	224.9700	30.47	-12.95	17.52	30.00	-12.48	400	279	QP

**Note:** 1. The other emission levels were very low against the limit.

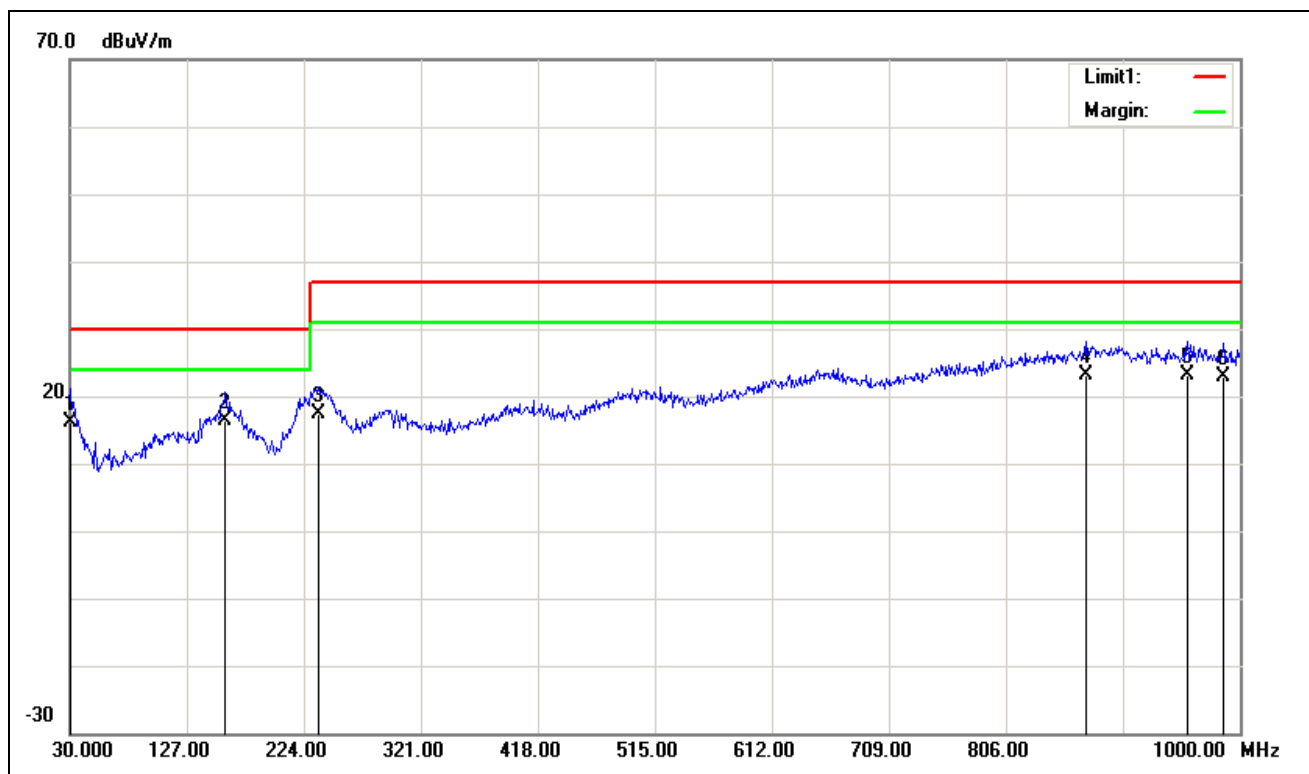
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:11:29
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 70



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.46	-7.01	16.45	30.00	-13.55	400	200	QP
2	94.9900	31.74	-17.71	14.03	30.00	-15.97	100	261	QP
3	155.1300	28.50	-13.43	15.07	30.00	-14.93	200	270	QP
4	211.3900	28.62	-14.52	14.10	30.00	-15.90	100	359	QP
5	818.6100	23.69	-1.56	22.13	37.00	-14.87	200	361	QP
6	978.6600	22.79	1.62	24.41	37.00	-12.59	300	120	QP

**Note:** 1. The other emission levels were very low against the limit.

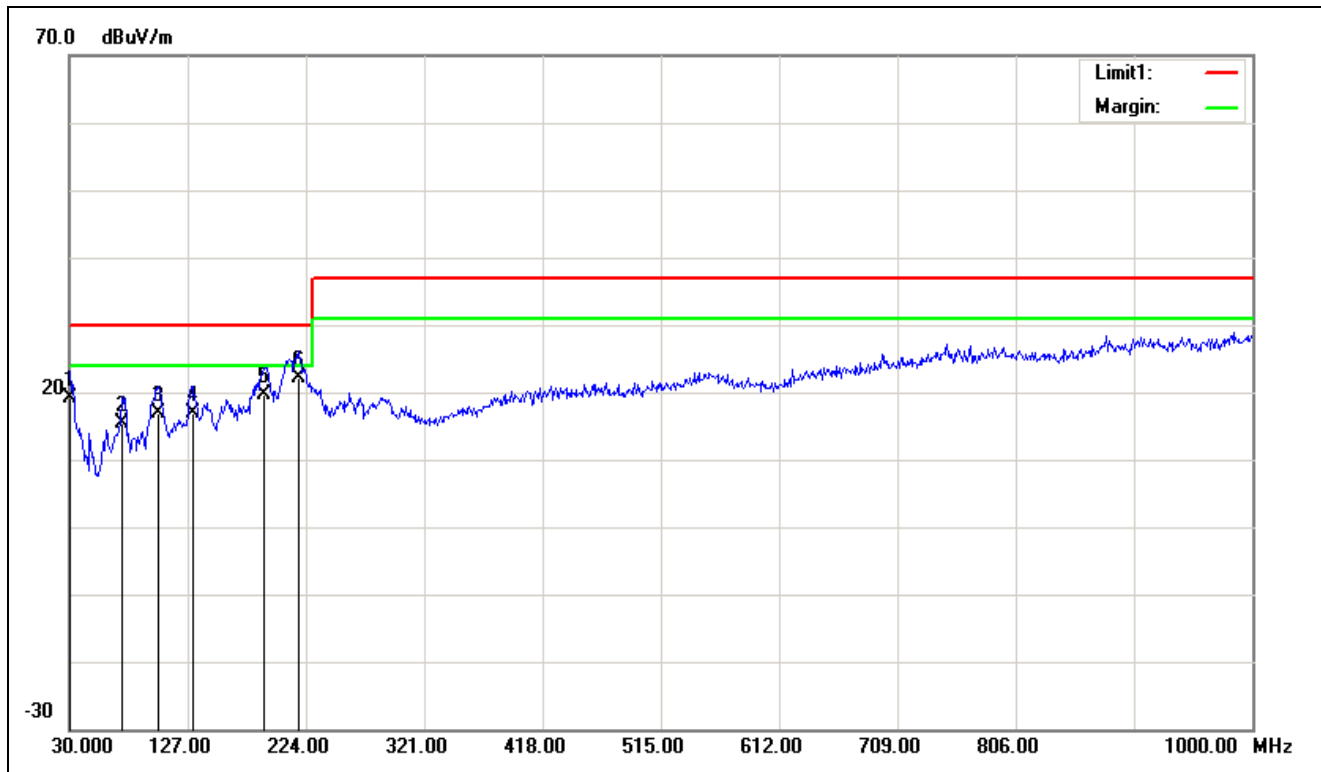
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 230V/50Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:11:27
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 70



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.91	-4.71	16.20	30.00	-13.80	300	6	QP
2	159.0100	29.13	-12.68	16.45	30.00	-13.55	400	322	QP
3	236.6100	30.29	-12.89	17.40	37.00	-19.60	200	81	QP
4	871.9600	21.54	1.71	23.25	37.00	-13.75	300	220	QP
5	956.3500	21.68	1.51	23.19	37.00	-13.81	400	45	QP
6	986.4200	21.70	1.24	22.94	37.00	-14.06	100	301	QP

**Note:** 1. The other emission levels were very low against the limit.

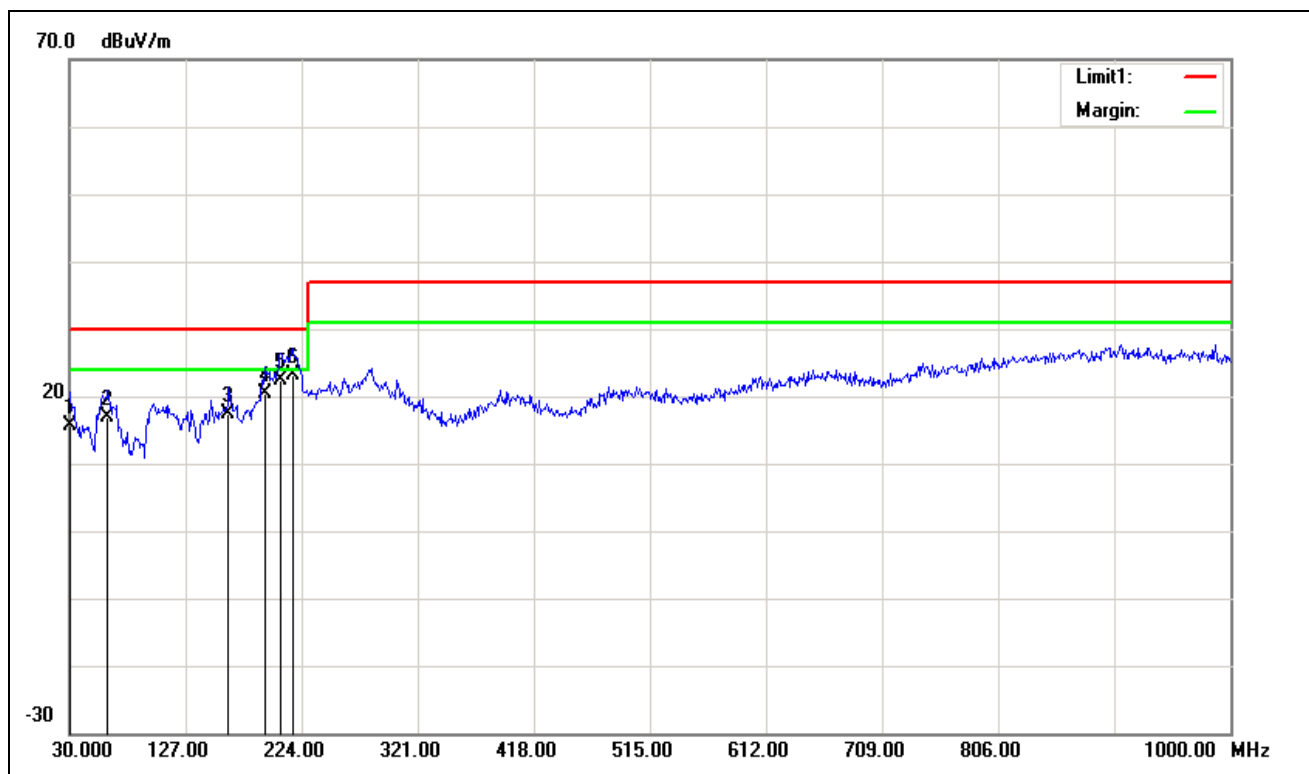
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:41:29
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 71



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	25.57	-6.35	19.22	30.00	-10.78	400	111	QP
2	72.6800	34.25	-18.85	15.40	30.00	-14.60	100	199	QP
3	102.7500	34.10	-17.22	16.88	30.00	-13.12	200	310	QP
4	130.8800	31.76	-14.90	16.86	30.00	-13.14	100	67	QP
5	190.0500	33.93	-14.18	19.75	30.00	-10.25	300	287	QP
6	218.1800	36.80	-14.59	22.21	30.00	-7.79	100	5	QP

**Note:** 1. The other emission levels were very low against the limit.

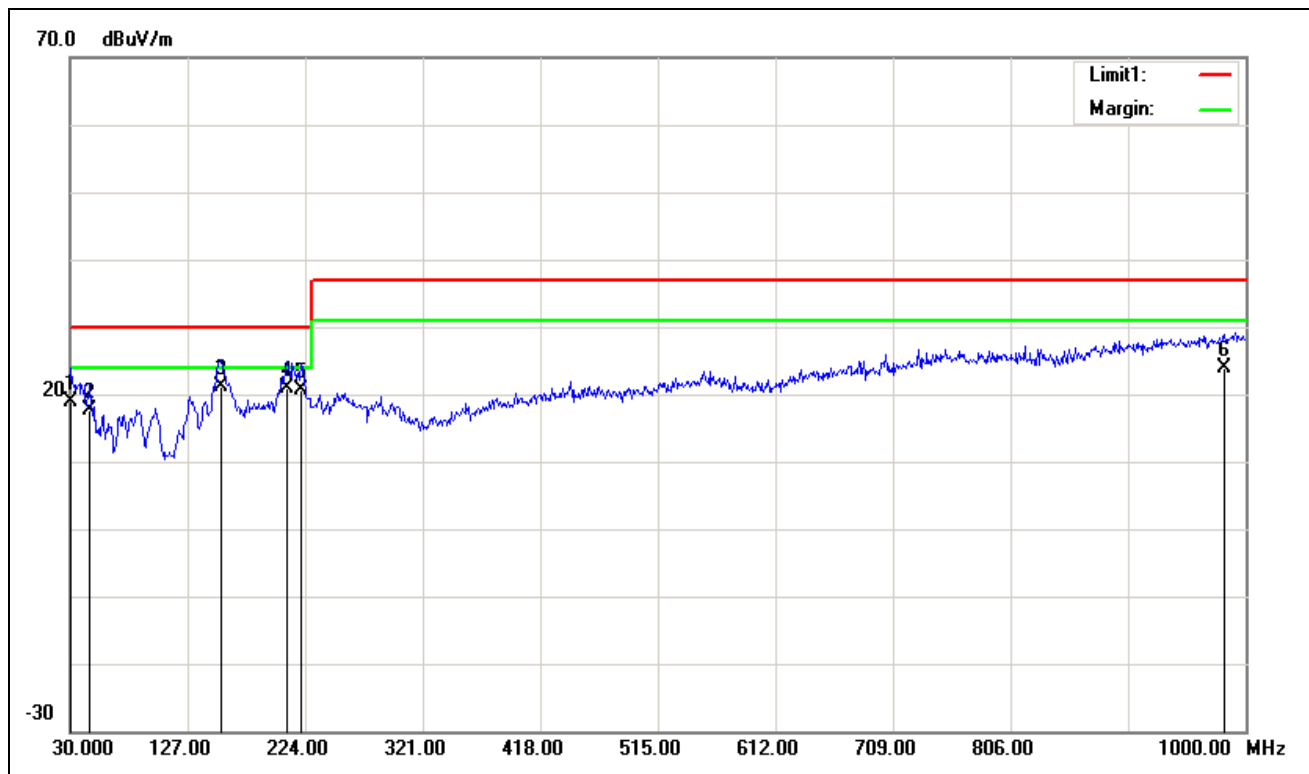
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:41:27
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 71



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.42	-4.71	15.71	30.00	-14.29	100	190	QP
2	62.0100	32.57	-15.81	16.76	30.00	-13.24	400	222	QP
3	162.8900	30.16	-12.71	17.45	30.00	-12.55	400	57	QP
4	193.9300	33.35	-13.01	20.34	30.00	-9.66	400	293	QP
5	206.5400	35.41	-13.04	22.37	30.00	-7.63	300	359	QP
6	216.2400	36.01	-12.99	23.02	30.00	-6.98	400	360	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:11:24
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 72

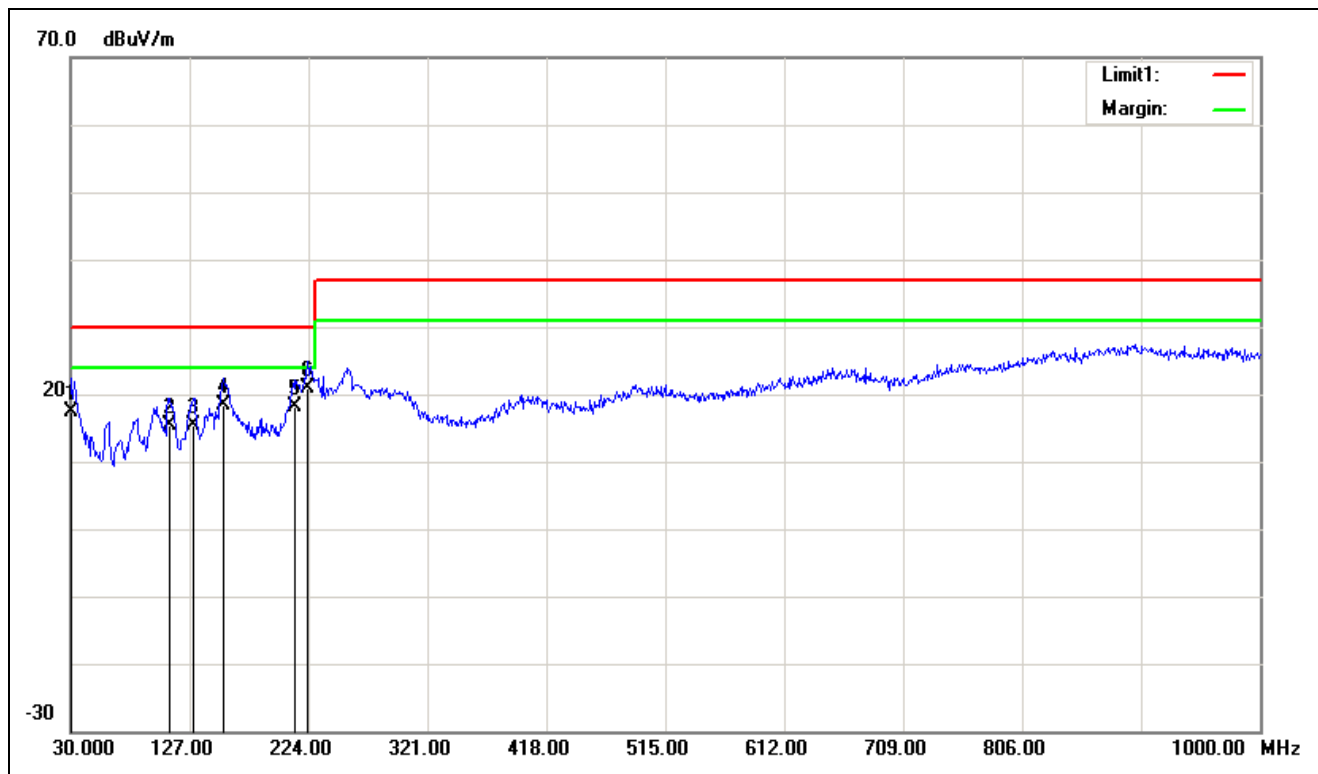


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.99	-7.01	18.98	30.00	-11.02	300	90	QP
2	46.4900	35.18	-17.62	17.56	30.00	-12.44	100	212	QP
3	154.1600	34.51	-13.41	21.10	30.00	-8.90	200	270	QP
4	208.4800	35.27	-14.48	20.79	30.00	-9.21	100	68	QP
5	220.1200	35.13	-14.62	20.51	30.00	-9.49	100	46	QP
6	982.5400	22.15	1.69	23.84	37.00	-13.16	400	293	QP

**Note:** 1. The other emission levels were very low against the limit.



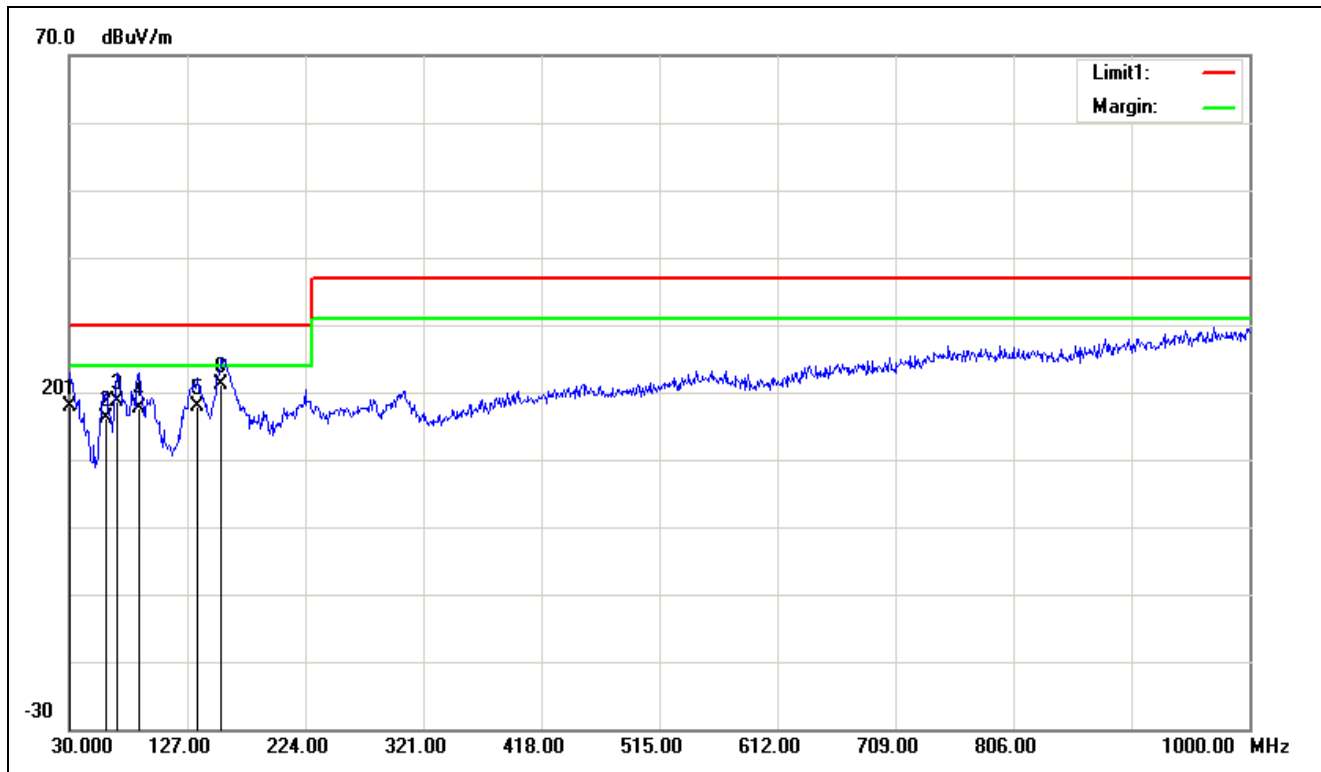
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:19:11:22
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 72



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	22.01	-4.71	17.30	30.00	-12.70	300	0	QP
2	110.5100	29.70	-14.22	15.48	30.00	-14.52	100	181	QP
3	129.9100	28.88	-13.42	15.46	30.00	-14.54	400	57	QP
4	155.1300	31.04	-12.64	18.40	30.00	-11.60	400	42	QP
5	213.3300	31.17	-13.00	18.17	30.00	-11.83	400	10	QP
6	223.0300	33.83	-12.95	20.88	30.00	-9.12	400	239	QP

**Note:** 1. The other emission levels were very low against the limit.

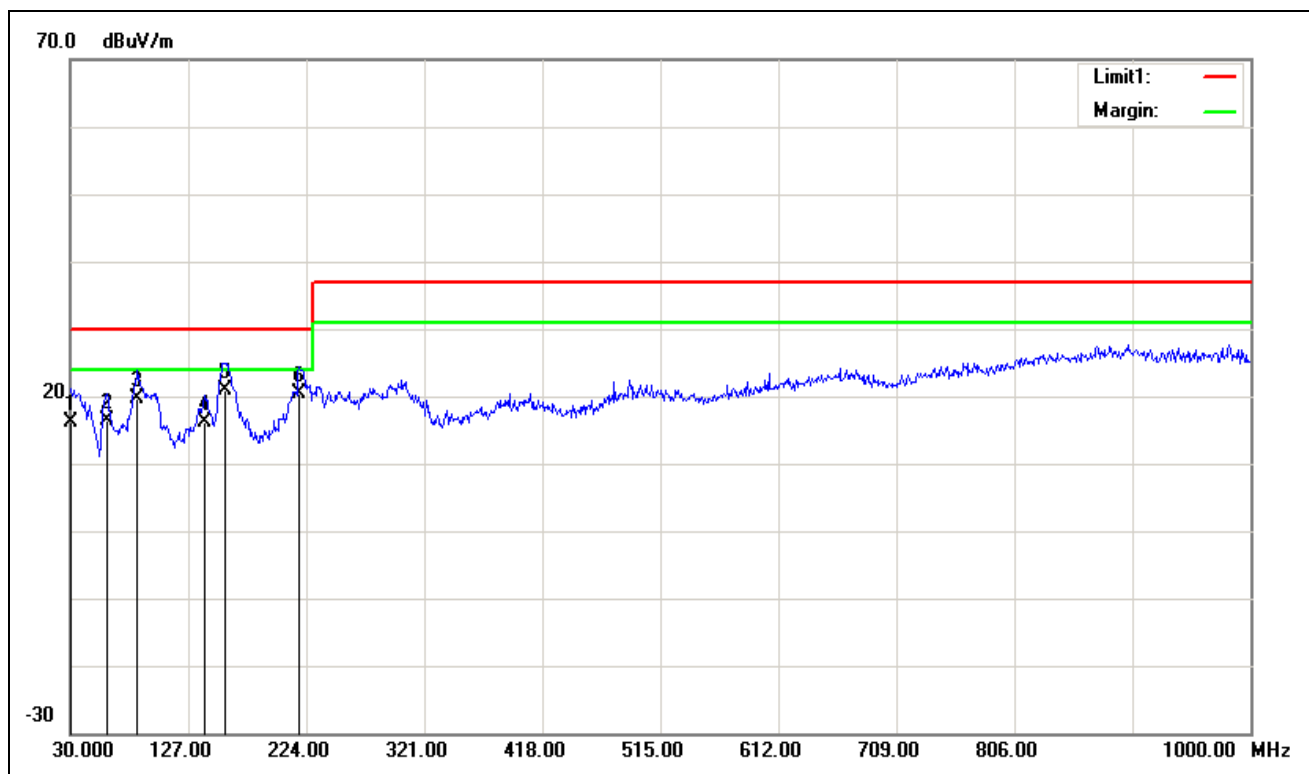
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:36:35
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 73



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	24.91	-7.01	17.90	30.00	-12.10	400	147	QP
2	60.0700	35.53	-19.50	16.03	30.00	-13.97	200	56	QP
3	69.7700	37.63	-19.00	18.63	30.00	-11.37	100	351	QP
4	87.2300	35.78	-18.11	17.67	30.00	-12.33	200	215	QP
5	135.7300	32.50	-14.50	18.00	30.00	-12.00	300	252	QP
6	155.1300	34.47	-13.43	21.04	30.00	-8.96	100	287	QP

**Note:** 1. The other emission levels were very low against the limit.

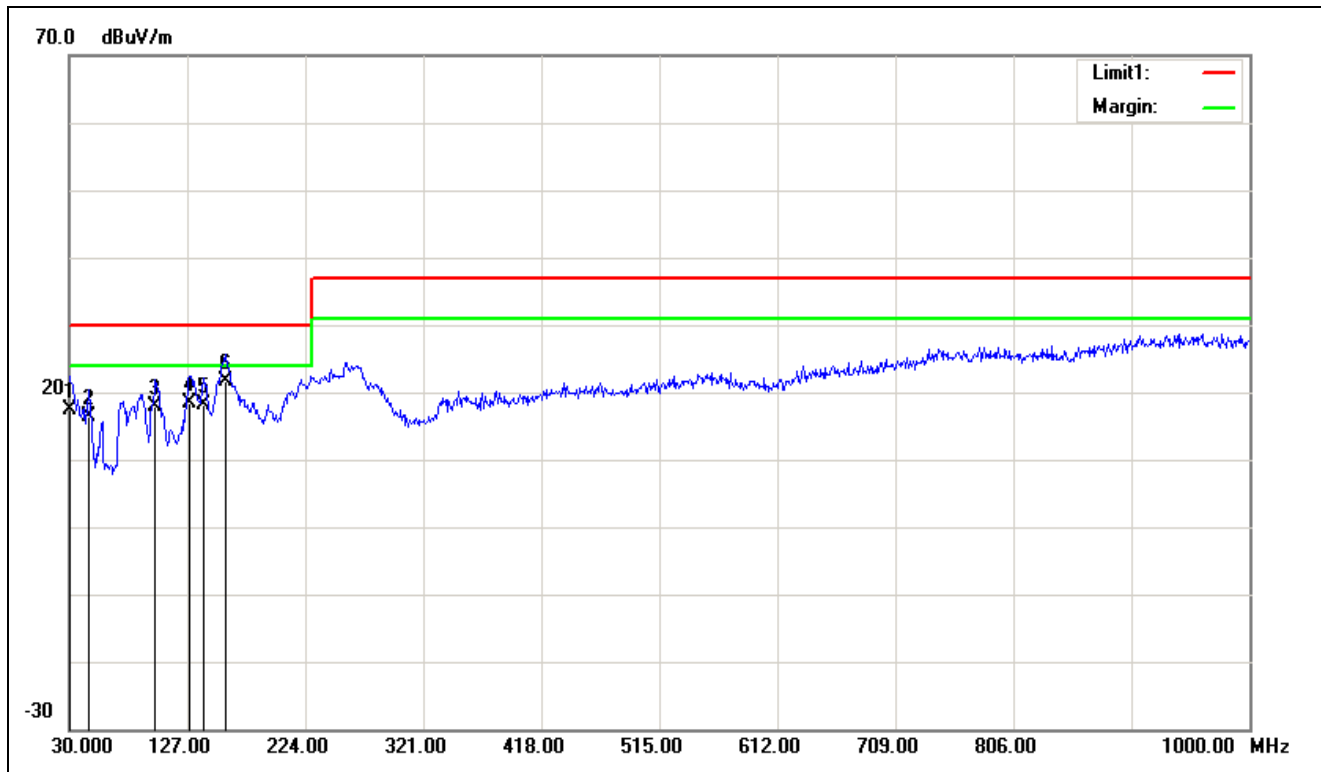
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:36:33
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 73



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.85	-4.71	16.14	30.00	-13.86	400	0	QP
2	60.0700	32.27	-15.87	16.40	30.00	-13.60	400	357	QP
3	85.2900	34.79	-15.10	19.69	30.00	-10.31	400	270	QP
4	140.5800	29.23	-12.98	16.25	30.00	-13.75	400	95	QP
5	157.0700	33.44	-12.66	20.78	30.00	-9.22	400	76	QP
6	218.1800	33.42	-12.98	20.44	30.00	-9.56	300	105	QP

**Note:** 1. The other emission levels were very low against the limit.

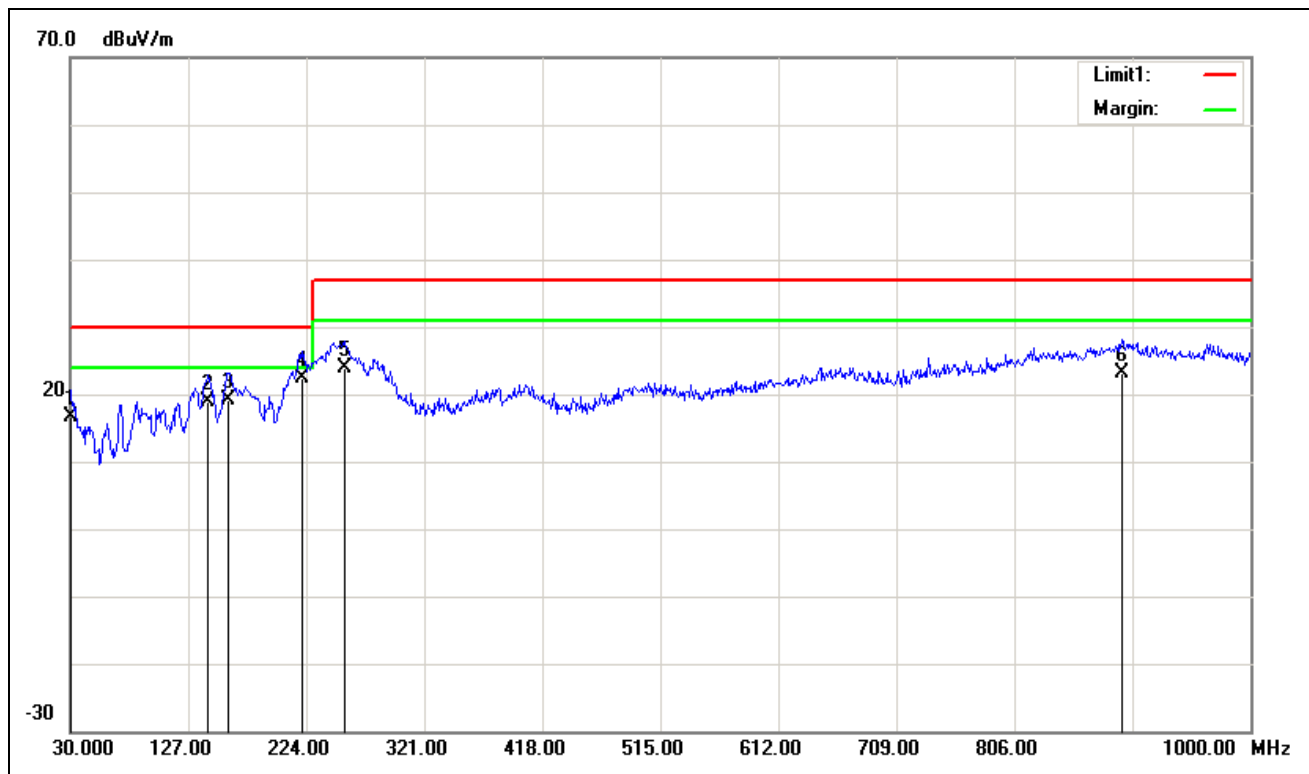
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:58:13
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 74



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.71	-6.35	17.36	30.00	-12.64	100	323	QP
2	46.4900	34.09	-17.62	16.47	30.00	-13.53	100	41	QP
3	100.8100	35.28	-17.38	17.90	30.00	-12.10	100	59	QP
4	128.9400	33.51	-15.06	18.45	30.00	-11.55	100	107	QP
5	140.5800	32.17	-14.10	18.07	30.00	-11.93	100	248	QP
6	158.0400	35.12	-13.49	21.63	30.00	-8.37	100	125	QP

**Note:** 1. The other emission levels were very low against the limit.

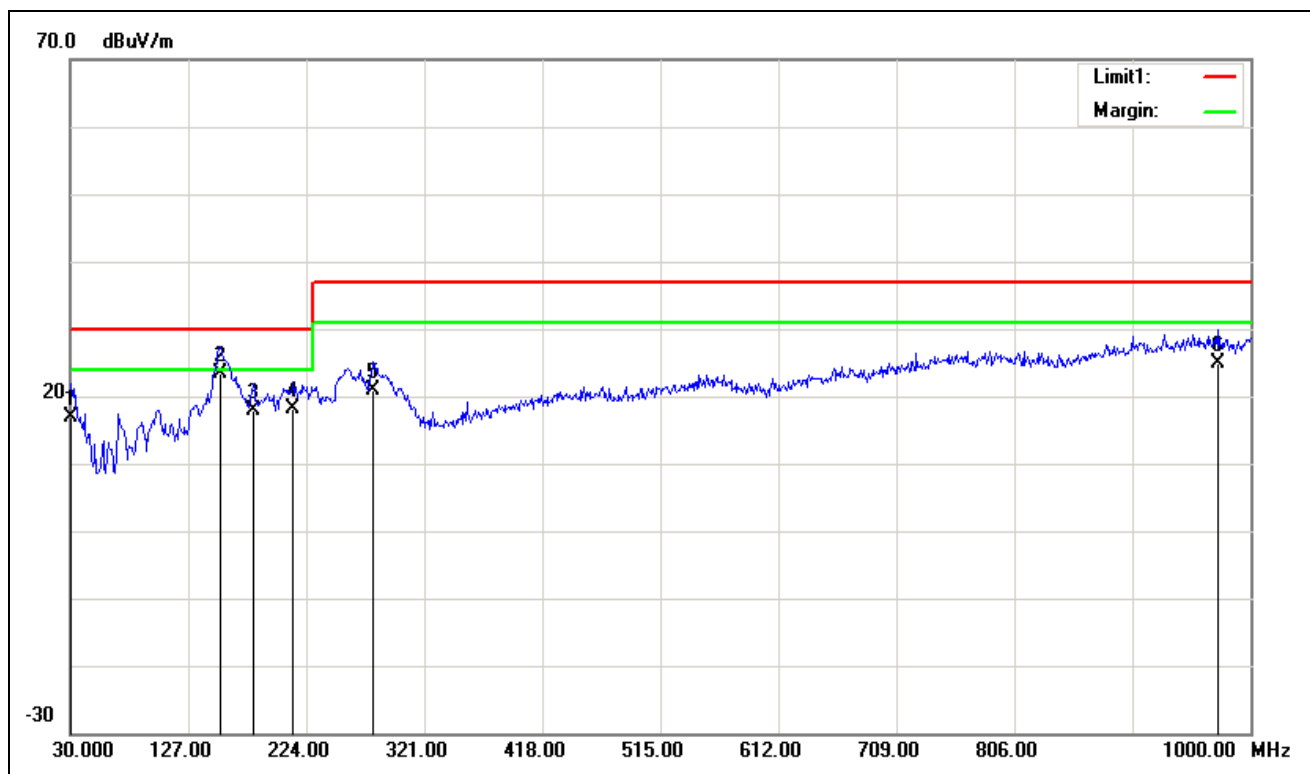
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:22:58:12
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 74



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	21.39	-4.71	16.68	30.00	-13.32	300	67	QP
2	143.4900	31.76	-12.86	18.90	30.00	-11.10	400	99	QP
3	159.9800	31.91	-12.69	19.22	30.00	-10.78	400	108	QP
4	220.1200	35.30	-12.97	22.33	30.00	-7.67	400	262	QP
5	255.0400	36.42	-12.58	23.84	37.00	-13.16	300	89	QP
6	894.2700	20.89	2.14	23.03	37.00	-13.97	300	323	QP

**Note:** 1. The other emission levels were very low against the limit.

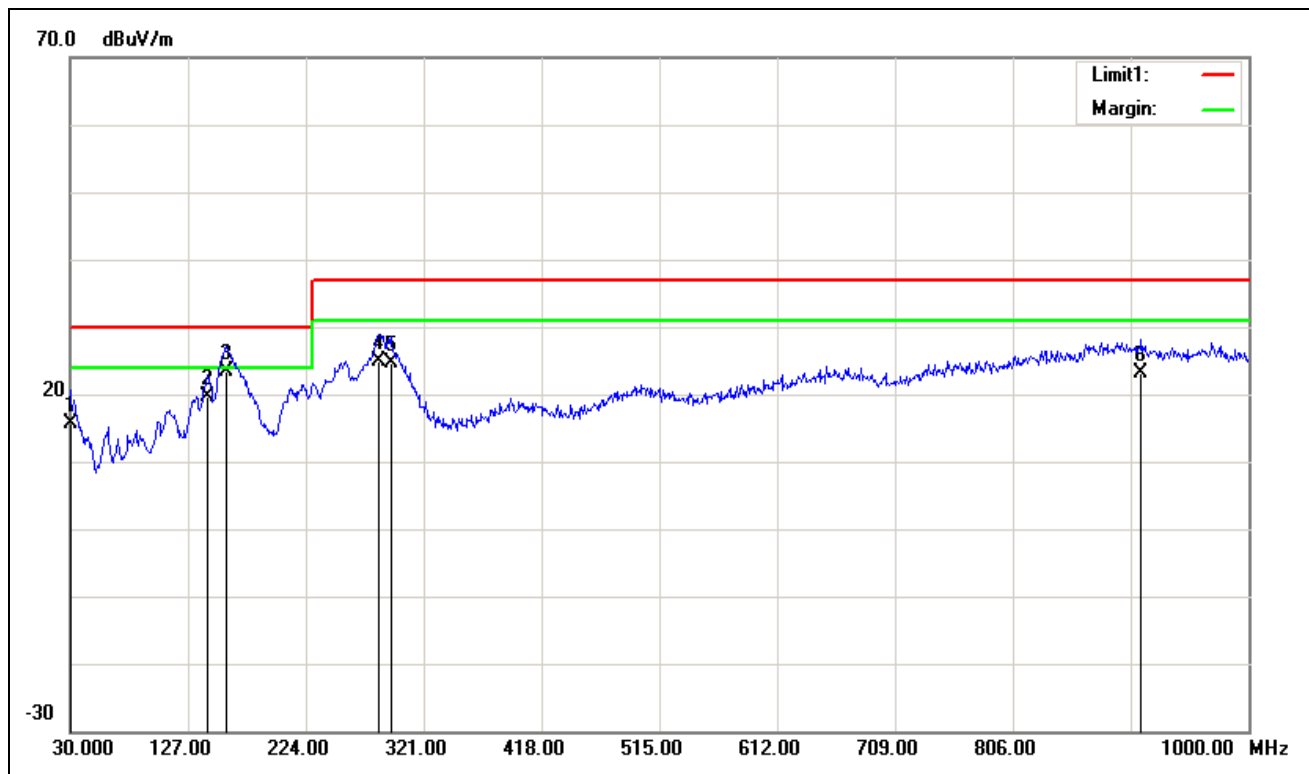
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:23:39
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 75



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	23.82	-7.01	16.81	30.00	-13.19	100	91	QP
2	153.1900	36.70	-13.39	23.31	30.00	-6.69	100	262	QP
3	180.3500	31.79	-13.97	17.82	30.00	-12.18	100	279	QP
4	213.3300	32.56	-14.54	18.02	30.00	-11.98	100	65	QP
5	279.2900	34.37	-13.37	21.00	37.00	-16.00	400	160	QP
6	973.8100	23.40	1.53	24.93	37.00	-12.07	300	0	QP

**Note:** 1. The other emission levels were very low against the limit.

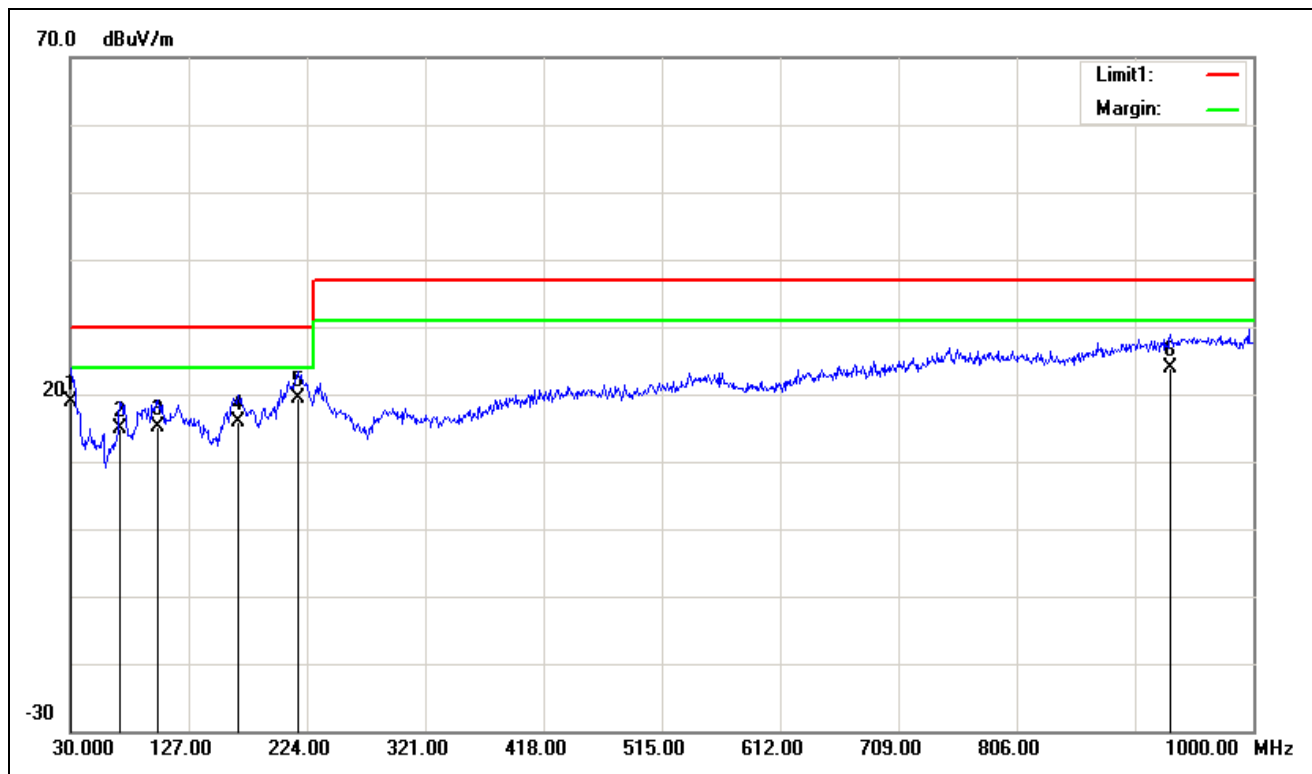
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:23:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 75



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.33	-4.71	15.62	30.00	-14.38	100	46	QP
2	143.4900	32.45	-12.86	19.59	30.00	-10.41	400	124	QP
3	159.0100	35.98	-12.68	23.30	30.00	-6.70	400	134	QP
4	284.1400	35.99	-11.17	24.82	37.00	-12.18	300	115	QP
5	293.8400	35.27	-10.71	24.56	37.00	-12.44	300	120	QP
6	911.7300	21.03	2.09	23.12	37.00	-13.88	300	335	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:11:22
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 76

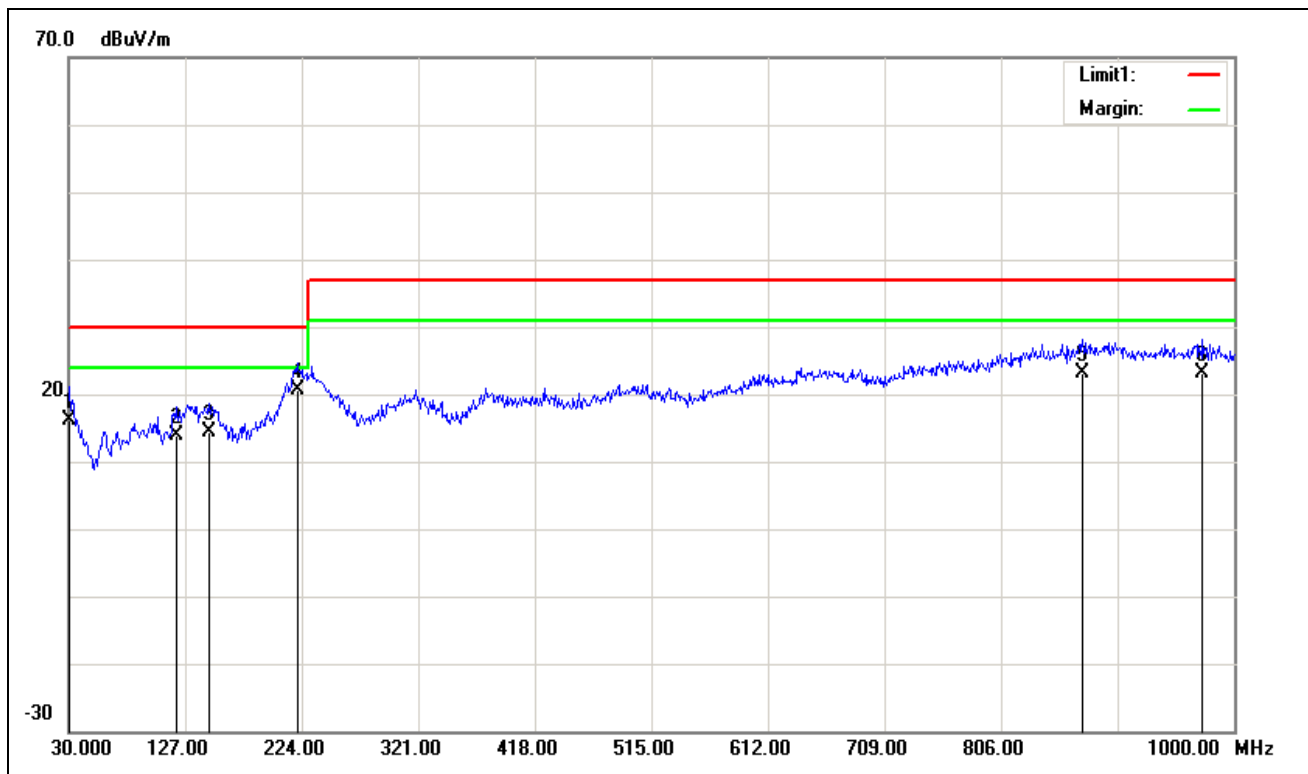


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	25.84	-7.01	18.83	30.00	-11.17	100	139	QP
2	70.7400	33.87	-18.95	14.92	30.00	-15.08	200	160	QP
3	101.7800	32.38	-17.30	15.08	30.00	-14.92	200	2	QP
4	167.7400	29.46	-13.70	15.76	30.00	-14.24	200	95	QP
5	216.2400	34.00	-14.57	19.43	30.00	-10.57	100	11	QP
6	932.1000	23.04	0.73	23.77	37.00	-13.23	400	322	QP

**Note:** 1. The other emission levels were very low against the limit.



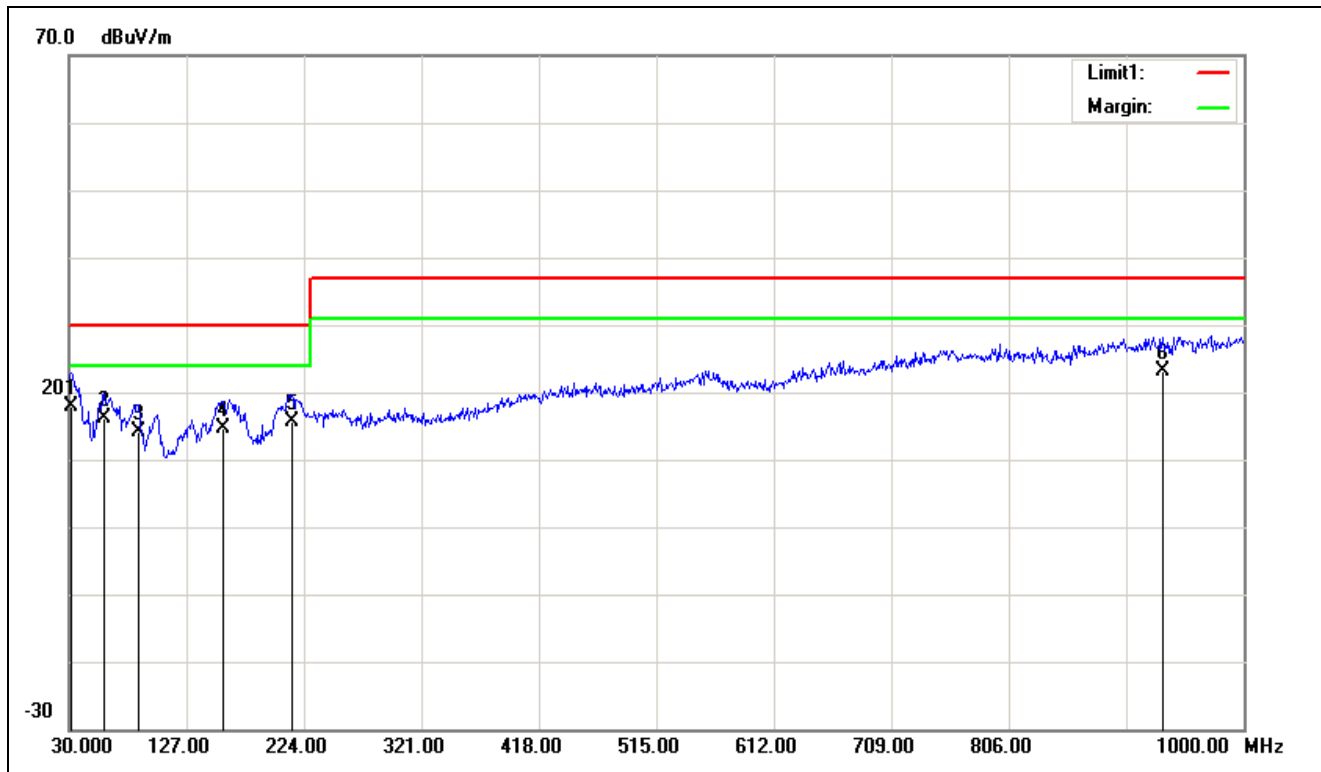
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:21:11:20
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A12	Description:	Mode 76



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.89	-4.71	16.18	30.00	-13.82	100	250	QP
2	119.2400	27.86	-13.86	14.00	30.00	-16.00	300	137	QP
3	146.4000	27.13	-12.74	14.39	30.00	-15.61	400	147	QP
4	220.1200	33.65	-12.97	20.68	30.00	-9.32	400	292	QP
5	873.9000	21.45	1.75	23.20	37.00	-13.80	100	131	QP
6	973.8100	21.75	1.36	23.11	37.00	-13.89	200	156	QP

**Note:** 1. The other emission levels were very low against the limit.

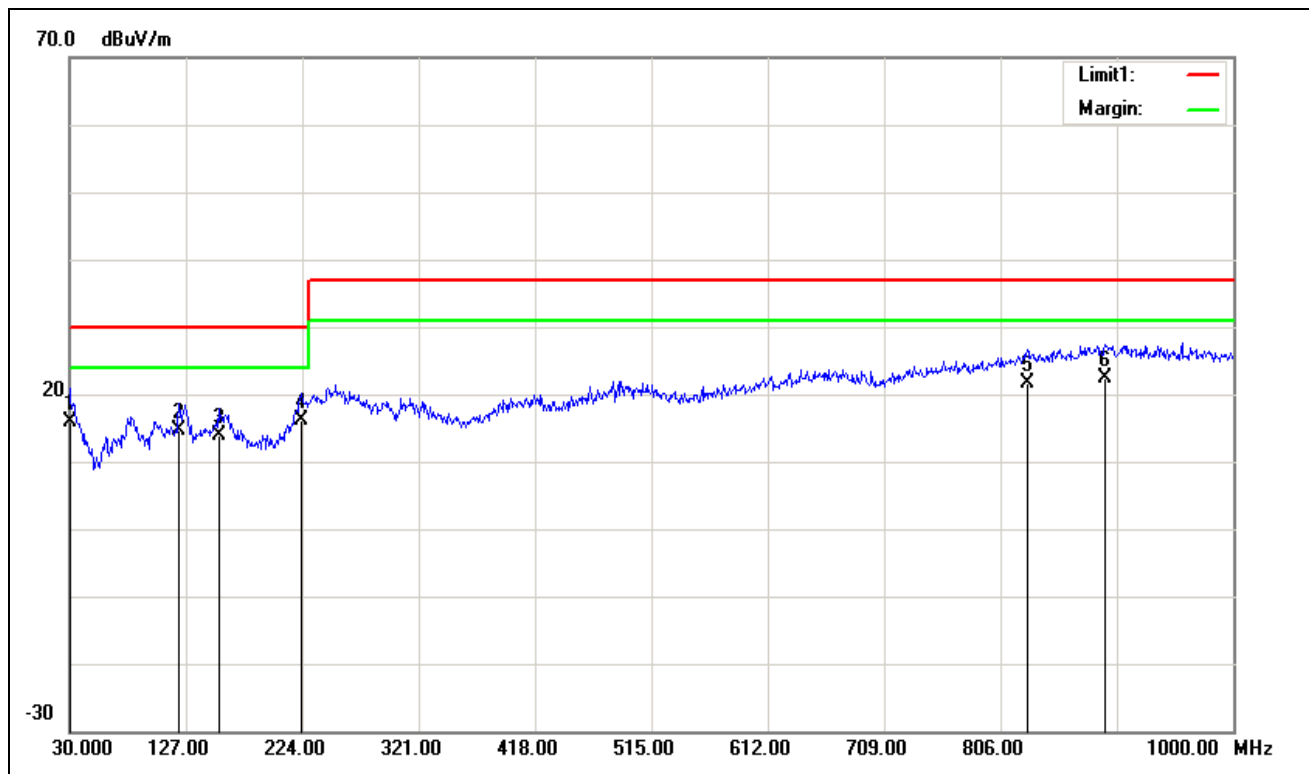
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:41:38
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 77



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	31.9400	25.53	-7.68	17.85	30.00	-12.15	100	134	QP
2	59.1000	35.56	-19.55	16.01	30.00	-13.99	200	360	QP
3	87.2300	32.32	-18.11	14.21	30.00	-15.79	200	129	QP
4	157.0700	28.15	-13.47	14.68	30.00	-15.32	200	243	QP
5	214.3000	30.15	-14.55	15.60	30.00	-14.40	100	357	QP
6	933.0700	22.39	0.74	23.13	37.00	-13.87	100	151	QP

**Note:** 1. The other emission levels were very low against the limit.

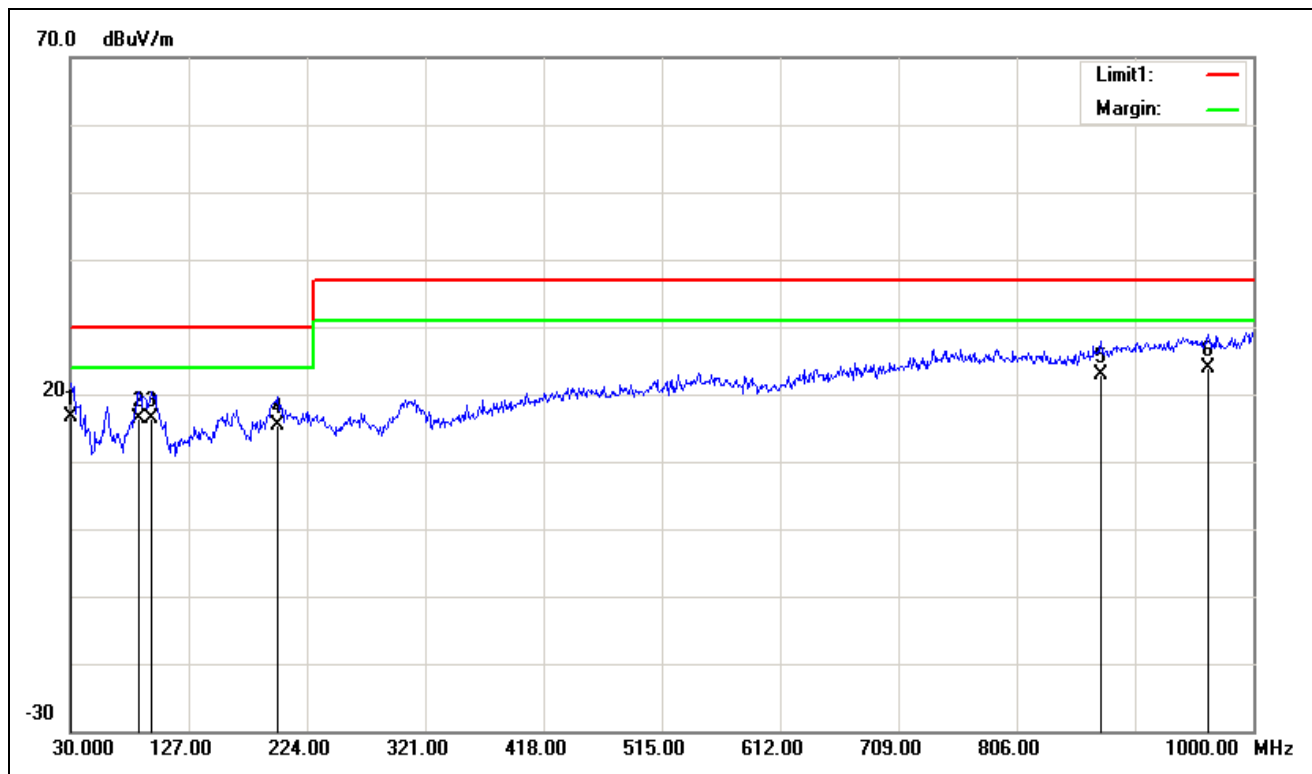
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:18:41:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A15	Description:	Mode 77



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.50	-4.71	15.79	30.00	-14.21	300	203	QP
2	121.1800	28.30	-13.78	14.52	30.00	-15.48	400	104	QP
3	154.1600	26.59	-12.63	13.96	30.00	-16.04	400	62	QP
4	223.0300	28.99	-12.95	16.04	30.00	-13.96	400	288	QP
5	828.3100	20.90	0.66	21.56	37.00	-15.44	100	86	QP
6	893.3000	20.25	2.12	22.37	37.00	-14.63	300	191	QP

**Note:** 1. The other emission levels were very low against the limit.

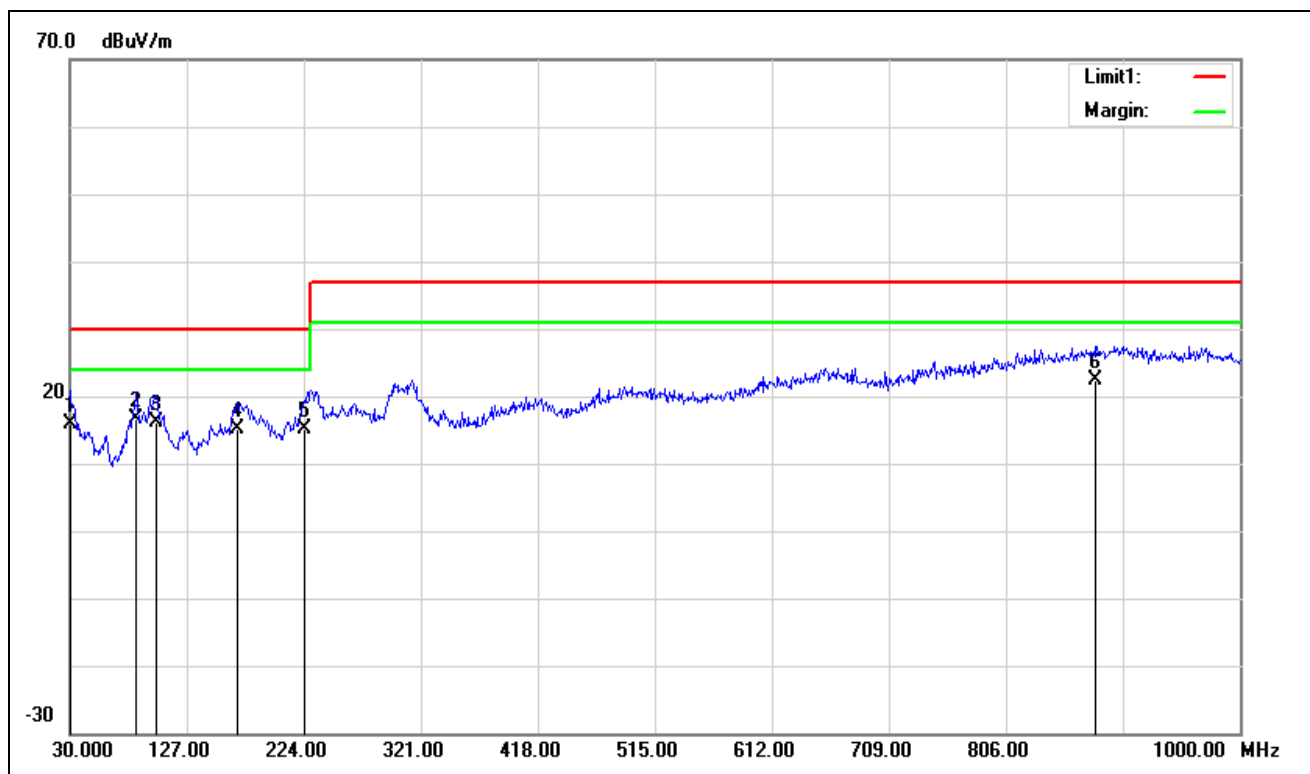
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:04:37
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 78



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	22.95	-6.35	16.60	30.00	-13.40	200	333	QP
2	86.2600	34.51	-18.16	16.35	30.00	-13.65	200	267	QP
3	95.9600	33.93	-17.66	16.27	30.00	-13.73	100	85	QP
4	199.7500	29.76	-14.38	15.38	30.00	-14.62	100	360	QP
5	874.8700	23.51	-0.74	22.77	37.00	-14.23	400	184	QP
6	963.1400	22.48	1.32	23.80	37.00	-13.20	100	0	QP

**Note:** 1. The other emission levels were very low against the limit.

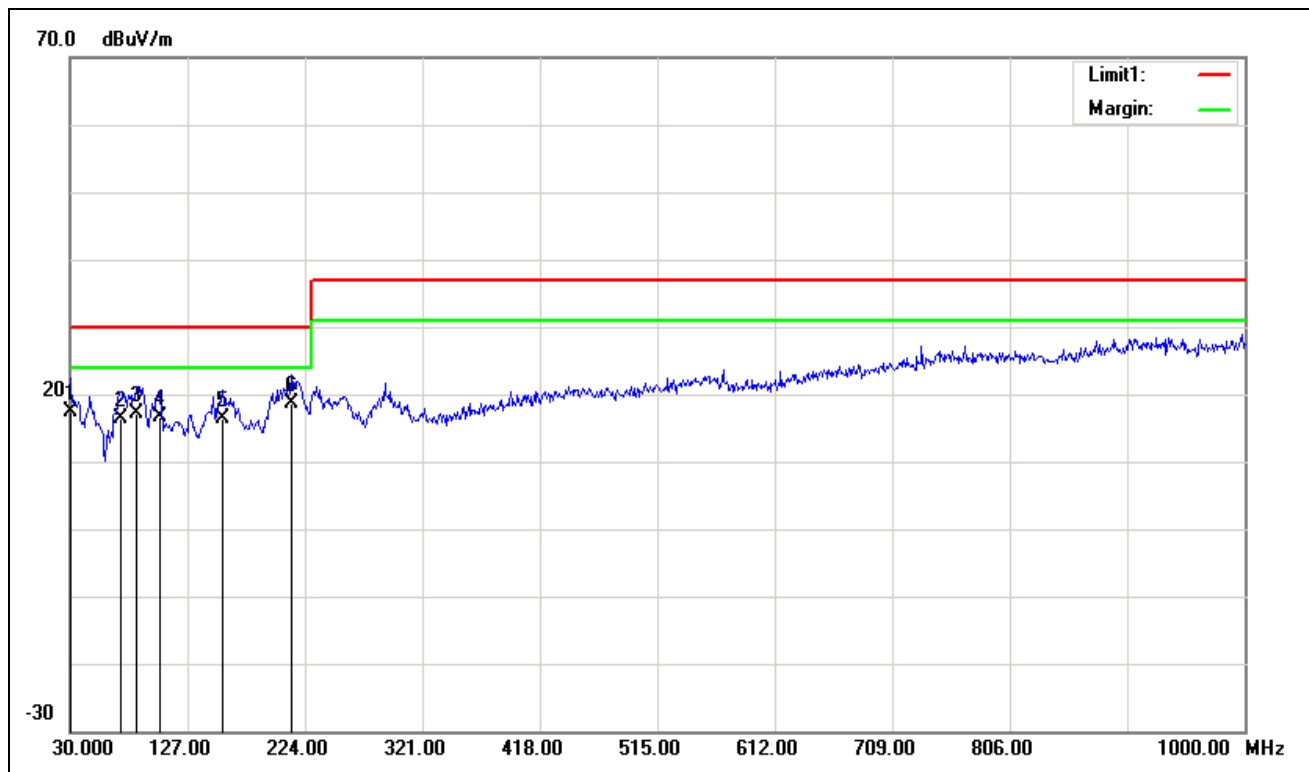
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:20:04:35
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A20	Description:	Mode 78



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	20.57	-4.71	15.86	30.00	-14.14	300	359	QP
2	85.2900	31.66	-15.10	16.56	30.00	-13.44	300	274	QP
3	101.7800	30.72	-14.59	16.13	30.00	-13.87	200	251	QP
4	168.7100	27.84	-12.77	15.07	30.00	-14.93	100	153	QP
5	224.9700	28.19	-12.95	15.24	30.00	-14.76	300	286	QP
6	879.7200	20.48	1.86	22.34	37.00	-14.66	100	301	QP

**Note:** 1. The other emission levels were very low against the limit.

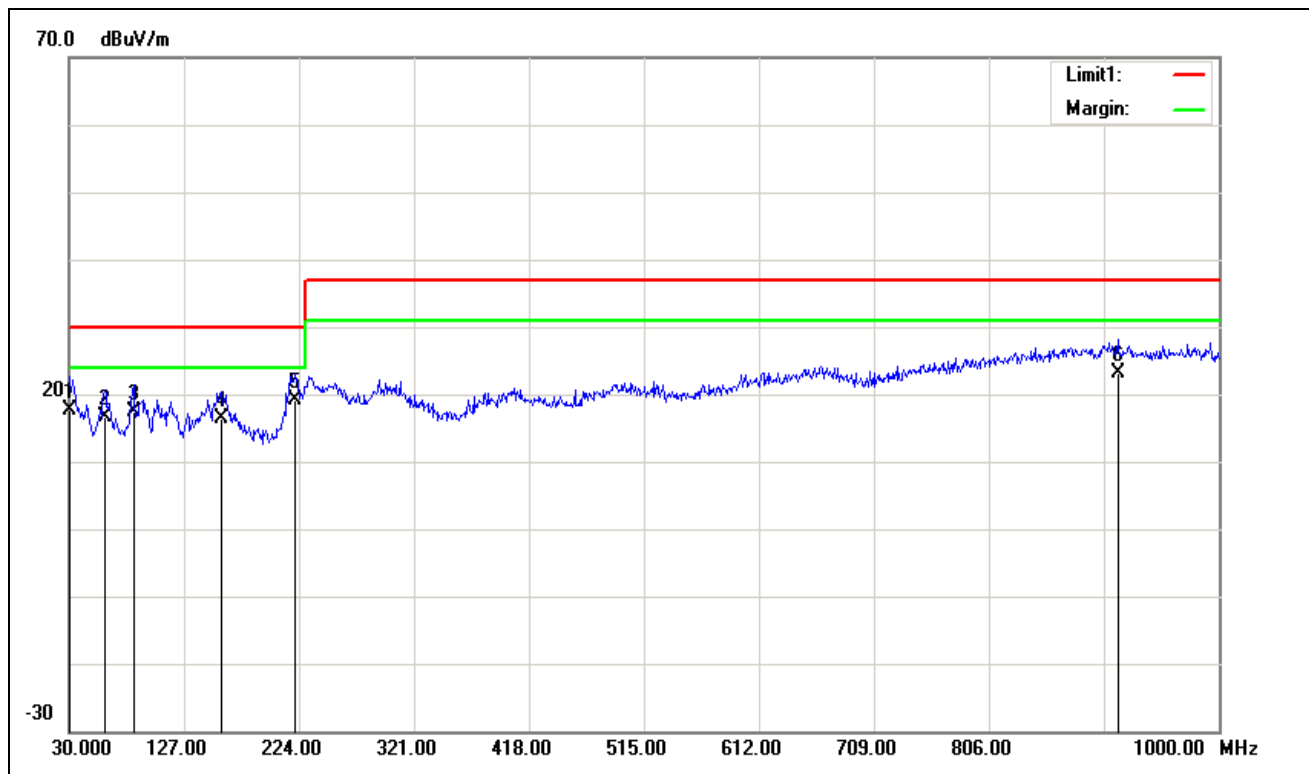
Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:21:36
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 79



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	23.65	-6.35	17.30	30.00	-12.70	100	254	QP
2	71.7100	35.31	-18.90	16.41	30.00	-13.59	200	223	QP
3	85.2900	35.38	-18.21	17.17	30.00	-12.83	200	303	QP
4	103.7200	33.70	-17.14	16.56	30.00	-13.44	100	1	QP
5	156.1000	29.95	-13.45	16.50	30.00	-13.50	400	313	QP
6	212.3600	33.27	-14.53	18.74	30.00	-11.26	100	3	QP

**Note:** 1. The other emission levels were very low against the limit.

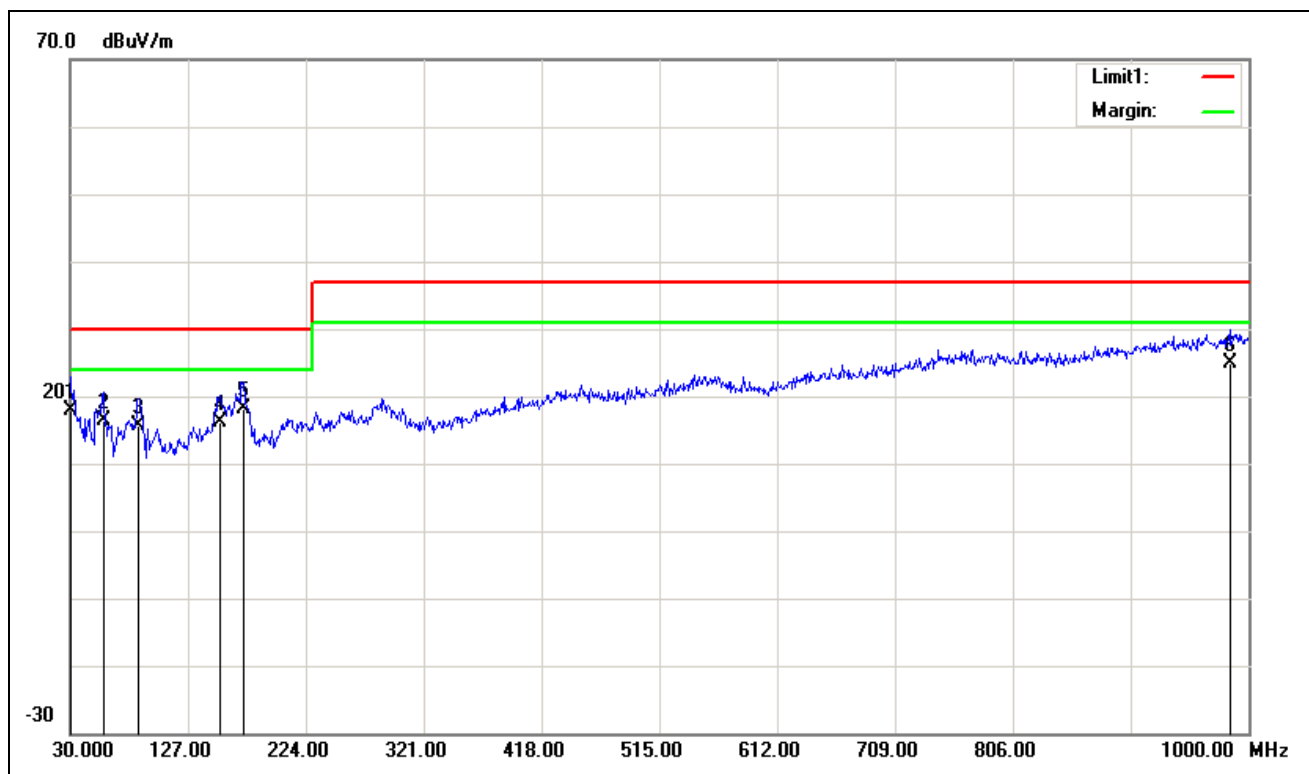
Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-26	Time:20:21:34
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A24	Description:	Mode 79



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	22.36	-4.71	17.65	30.00	-12.35	100	254	QP
2	60.0700	32.45	-15.87	16.58	30.00	-13.42	400	0	QP
3	84.3200	32.52	-15.13	17.39	30.00	-12.61	400	279	QP
4	158.0400	29.10	-12.67	16.43	30.00	-13.57	400	38	QP
5	220.1200	32.10	-12.97	19.13	30.00	-10.87	400	277	QP
6	914.6400	21.05	2.05	23.10	37.00	-13.90	400	288	QP

**Note:** 1. The other emission levels were very low against the limit.

Job No.:	C150522E03	Ant.Polar.:	Vertical
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:59:58
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 80

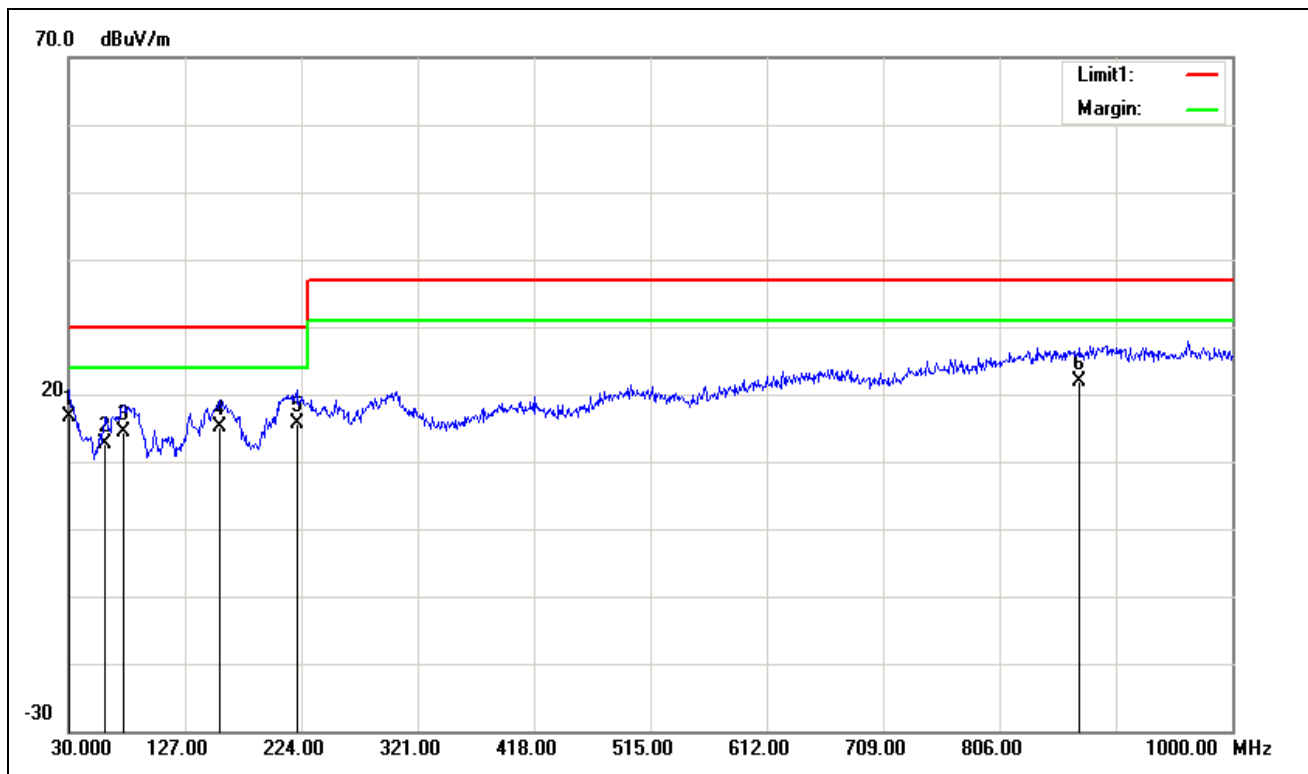


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.0000	24.11	-6.35	17.76	30.00	-12.24	100	345	QP
2	57.1600	36.10	-19.65	16.45	30.00	-13.55	200	116	QP
3	86.2600	33.79	-18.16	15.63	30.00	-14.37	200	182	QP
4	153.1900	29.56	-13.39	16.17	30.00	-13.83	100	261	QP
5	172.5900	31.98	-13.80	18.18	30.00	-11.82	300	230	QP
6	984.4800	23.07	1.73	24.80	37.00	-12.20	100	1	QP

**Note:** 1. The other emission levels were very low against the limit.



Job No.:	C150522E03	Ant.Polar.:	Horizontal
Standard:	EN 61204-3 Class B	Test Distance:	10m
Test item:	Radiation Test	Power:	AC 120V/60Hz
Temp.(C)/Hum.(%RH):	26(C)/60%RH	Date:2015-5-22	Time:21:59:56
Company:	MEAN WELL	Test By:	Wei.Su
Model:	GST160A48	Description:	Mode 80



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg)	
1	30.9700	21.79	-5.27	16.52	30.00	-13.48	400	360	QP
2	60.0700	28.42	-15.87	12.55	30.00	-17.45	400	203	QP
3	75.5900	29.84	-15.40	14.44	30.00	-15.56	400	349	QP
4	156.1000	27.66	-12.65	15.01	30.00	-14.99	400	129	QP
5	220.1200	28.61	-12.97	15.64	30.00	-14.36	300	105	QP
6	872.9300	20.06	1.73	21.79	37.00	-15.21	400	172	QP

**Note:** 1. The other emission levels were very low against the limit.

## 7.4. HARMONICS CURRENT MEASUREMENT

### 7.4.1. LIMITS OF HARMONICS CURRENT MEASUREMENT

Limits for Class A equipment		Limits for Class D equipment		
Harmonics Order n	Max. permissible harmonics current A	Harmonics Order n	Max. permissible harmonics current per watt mA/W	Max. permissible harmonics current A
Odd harmonics		Odd Harmonics only		
3	2.30	3	3.4	2.30
5	1.14	5	1.9	1.14
7	0.77	7	1.0	0.77
9	0.40	9	0.5	0.40
11	0.33	11	0.35	0.33
13	0.21	13	0.30	0.21
15≤n≤39	0.15x15/n	15≤n≤39	3.85/n	0.15x15/n
Even harmonics				
2	1.08			
4	0.43			
6	0.30			
8≤n≤40	0.23x8/n			

**NOTE:** 1. Class A and Class D are classified according to item 7.4.3.

2. According to section 7 of EN 61000-3-2, the above limits for all equipment except for lighting equipment having an active input power > 75 W and no limits apply for equipment with an active input power up to and including 75 W.

### 7.4.2. TEST INSTRUMENTS

Power Harmonics & Voltage Fluctuation and Flicker					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Harmonic & Flicker Tester	SCHAFFNER	CCN 1000-1	72585	11/21/2014	11/20/2015
AC Power Source	SCHAFFNER	NSG 1007	54788	11/21/2014	11/20/2015

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request

### 7.4.3. TEST PROCEDURE

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic components under normal operating conditions for each successive harmonic component in turn.

The classification of EUT is according to section 5 of EN 61000-3-2.

The EUT is classified as follows:

Class A: Balanced three-phase equipment, Household appliances excluding equipment as Class D, Tools excluding portable tools, Dimmers for incandescent lamps, audio equipment, equipment not specified in one of the three other classes.

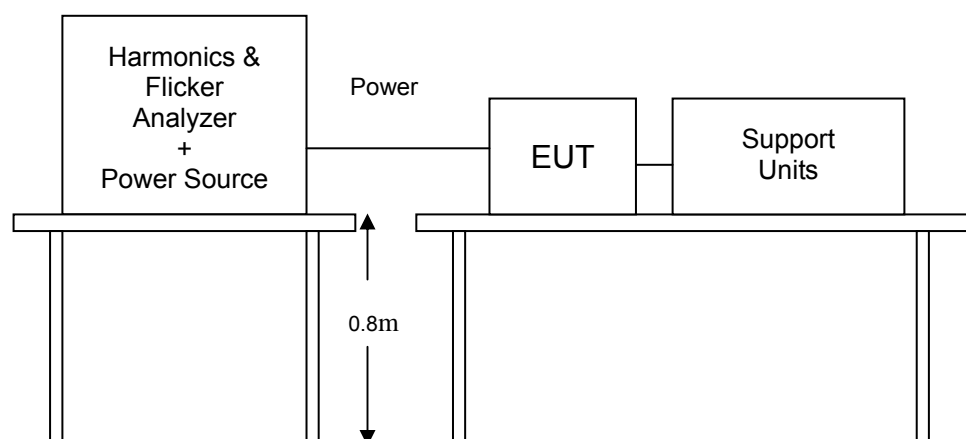
Class B: Portable tools; Arc welding equipment which is not professional equipment.

Class C: Lighting equipment.

Class D: Equipment having a specified power less than or equal to 600 W of the following types:  
Personal computers and personal computer monitors and television receivers.

The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the time necessary for the EUT to be exercised.

### 7.4.4. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

### 7.4.5. TEST RESULTS

Power Consumption	170.7W	Test Results	PASS
Environmental Conditions	24°C, 46% RH, 1016mbar	Limits	Class <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Test Mode	Mode1	Tested by	Wei.su

**Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics**

EUT: GST160A20

Tested by: Wei.Su

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test Margin: 100

Test date: 2015-5-23

Start time: 14:50:36

End time: 15:05:57

Test duration (min): 15

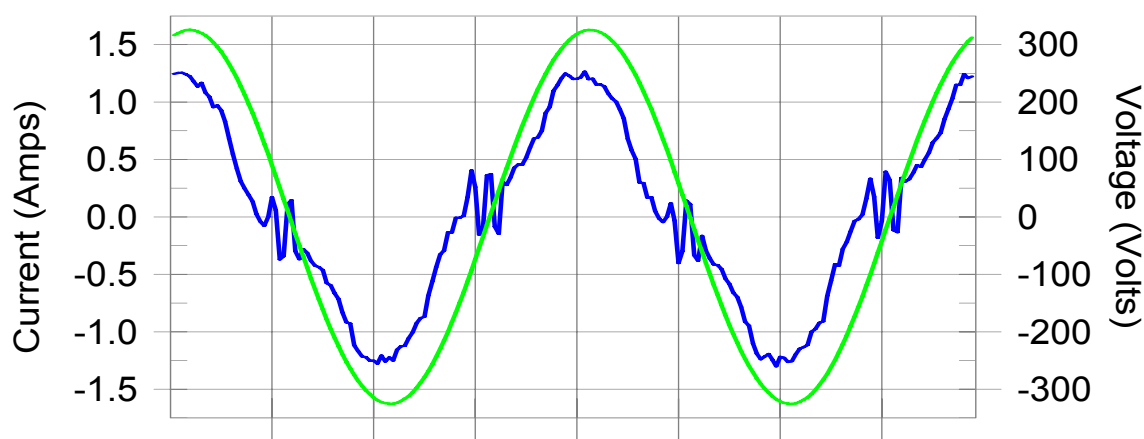
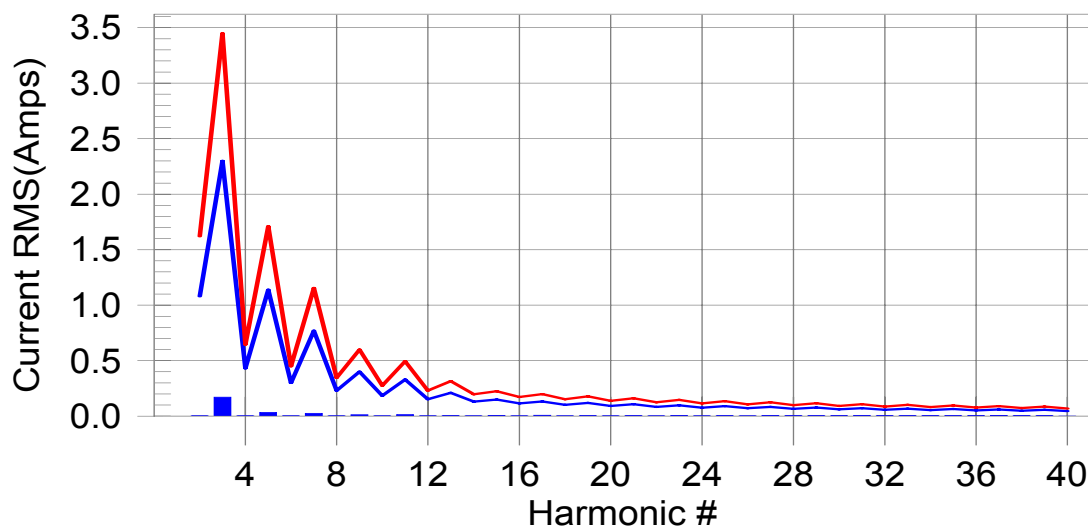
Data file name: H-000159.cts\_data

Comment: C150522E03

Customer: MEAN WELL

Test Result: Pass

Source qualification: Normal

**Current & voltage waveforms****Harmonics and Class A limit line****European Limits****Test result: Pass Worst harmonic was #37 with 9.74% of the limit.**

## Current Test Result Summary (Run time)

EUT: GST160A20

Tested by: Wei.Su

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test Margin: 100

Test date: 2015-5-23

Start time: 14:50:36

End time: 15:05:57

Test duration (min): 15

Data file name: H-000159.cts\_data

Comment: C150522E03

Customer: MEAN WELL

Test Result: Pass

Source qualification: Normal

THC(A): 0.18

I-THD(%): 23.44

POHC(A): 0.011

POHC Limit(A): 0.294

Highest parameter values during test:

V\_RMS (Volts): 230.36

Frequency(Hz): 50.00

I\_Peak (Amps): 1.342

I\_RMS (Amps): 0.785

I\_Fund (Amps): 0.759

Crest Factor: 1.714

Power (Watts): 170.7

Power Factor: 0.944

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.002	1.080	0.0	0.003	1.620	0.16	Pass
3	0.171	2.300	7.4	0.172	3.450	4.99	Pass
4	0.002	0.430	0.0	0.003	0.645	0.39	Pass
5	0.033	1.140	2.9	0.034	1.710	1.99	Pass
6	0.002	0.300	0.0	0.002	0.450	0.52	Pass
7	0.025	0.770	3.3	0.026	1.155	2.22	Pass
8	0.002	0.230	0.0	0.002	0.345	0.67	Pass
9	0.012	0.400	3.1	0.013	0.600	2.14	Pass
10	0.002	0.184	0.0	0.002	0.276	0.87	Pass
11	0.013	0.330	4.0	0.014	0.495	2.73	Pass
12	0.002	0.153	0.0	0.002	0.230	1.08	Pass
13	0.005	0.210	0.0	0.005	0.315	1.54	Pass
14	0.002	0.131	0.0	0.002	0.197	1.26	Pass
15	0.007	0.150	4.4	0.007	0.225	3.12	Pass
16	0.002	0.115	0.0	0.003	0.173	1.50	Pass
17	0.007	0.132	5.4	0.008	0.199	3.81	Pass
18	0.002	0.102	0.0	0.003	0.153	1.71	Pass
19	0.004	0.118	0.0	0.004	0.178	2.15	Pass
20	0.002	0.092	0.0	0.003	0.138	1.95	Pass
21	0.003	0.107	0.0	0.004	0.161	2.38	Pass
22	0.003	0.084	0.0	0.003	0.125	2.27	Pass
23	0.005	0.098	5.3	0.006	0.147	3.86	Pass
24	0.003	0.077	0.0	0.003	0.115	2.51	Pass
25	0.004	0.090	0.0	0.004	0.135	3.26	Pass
26	0.003	0.071	0.0	0.003	0.106	2.82	Pass
27	0.005	0.083	6.2	0.006	0.125	4.54	Pass
28	0.003	0.066	0.0	0.003	0.099	3.49	Pass
29	0.005	0.078	6.0	0.005	0.116	4.47	Pass
30	0.003	0.061	0.0	0.003	0.092	3.71	Pass
31	0.005	0.073	6.6	0.005	0.109	4.92	Pass
32	0.003	0.058	0.0	0.004	0.086	4.33	Pass
33	0.003	0.068	0.0	0.004	0.102	3.50	Pass
34	0.003	0.054	0.0	0.004	0.081	4.47	Pass
35	0.003	0.064	0.0	0.003	0.096	3.65	Pass
36	0.003	0.051	0.0	0.004	0.077	5.11	Pass
37	0.006	0.061	9.7	0.006	0.091	6.89	Pass
38	0.004	0.048	0.0	0.004	0.073	5.85	Pass
39	0.004	0.058	0.0	0.004	0.087	4.87	Pass
40	0.002	0.046	0.0	0.002	0.069	2.79	Pass

## Voltage Source Verification Data (Run time)

EUT: GST160A20

Tested by: Wei.Su

Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100

Test date: 2015-5-23

Start time: 14:50:36

End time: 15:05:57

Test duration (min): 15

Data file name: H-000159.cts\_data

Comment: C150522E03

Customer: MEAN WELL

Test Result: Pass

Source qualification: Normal

## Highest parameter values during test:

Voltage (Vrms): 230.36

Frequency(Hz): 50.00

I\_Peak (Amps): 1.342

I\_RMS (Amps): 0.785

I\_Fund (Amps): 0.759

Crest Factor: 1.714

Power (Watts): 170.7

Power Factor: 0.944

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.170	0.461	36.85	OK
3	0.461	2.073	22.24	OK
4	0.067	0.461	14.48	OK
5	0.041	0.921	4.43	OK
6	0.035	0.461	7.65	OK
7	0.032	0.691	4.58	OK
8	0.036	0.461	7.88	OK
9	0.033	0.461	7.21	OK
10	0.025	0.461	5.39	OK
11	0.020	0.230	8.76	OK
12	0.019	0.230	8.39	OK
13	0.015	0.230	6.70	OK
14	0.017	0.230	7.45	OK
15	0.010	0.230	4.13	OK
16	0.016	0.230	6.93	OK
17	0.014	0.230	5.87	OK
18	0.014	0.230	5.93	OK
19	0.008	0.230	3.33	OK
20	0.011	0.230	4.83	OK
21	0.008	0.230	3.41	OK
22	0.010	0.230	4.13	OK
23	0.008	0.230	3.58	OK
24	0.006	0.230	2.62	OK
25	0.006	0.230	2.57	OK
26	0.011	0.230	4.66	OK
27	0.004	0.230	1.89	OK
28	0.011	0.230	4.78	OK
29	0.005	0.230	2.27	OK
30	0.009	0.230	3.76	OK
31	0.006	0.230	2.70	OK
32	0.007	0.230	3.02	OK
33	0.007	0.230	2.98	OK
34	0.006	0.230	2.45	OK
35	0.006	0.230	2.77	OK
36	0.005	0.230	2.24	OK
37	0.009	0.230	3.75	OK
38	0.004	0.230	1.89	OK
39	0.008	0.230	3.33	OK
40	0.006	0.230	2.71	OK

## 7.5. VOLTAGE FLUCTUATION AND FLICKER MEASUREMENT

### 7.5.1. LIMITS OF VOLTAGE FLUCTUATION AND FLICKER MEASUREMENT

The following limits apply:

- the value of Pst shall not be greater than 1,0;
- the value of Plt shall not be greater than 0,65;
- the value of d(t) during a voltage change shall not exceed 3,3 % for more than 500 ms;
- the relative steady-state voltage change, dc, shall not exceed 3,3 %;
- the maximum relative voltage change, dmax, shall not exceed;

a) 4 % without additional conditions;

b) 6 % for equipment which is:

- switched manually, or
- switched automatically more frequently than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds), or manual restart, after a power supply interruption.

NOTE The cycling frequency will be further limited by the Pst and Plt limit.

For example: a dmax of 6 % producing a rectangular voltage change characteristic twice per hour will give a Plt of about 0.65.

c) 7 % for equipment which is:

- attended whilst in use (for example: hair dryers, vacuum cleaners, kitchen equipment such as mixers, garden equipment such as lawn mowers, portable tools such as electric drills), or
- switched on automatically, or is intended to be switched on manually, no more than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds) or manual restart, after a power supply interruption.

Pst and Plt requirements shall not be applied to voltage changes caused by manual switching.

### 7.5.2. TEST INSTRUMENTS

Power Harmonics & Voltage Fluctuation and Flicker					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Harmonic & Flicker Tester	SCHAFFNER	CCN 1000-1	72585	11/21/2014	11/20/2015
AC Power Source	SCHAFFNER	NSG 1007	54788	11/21/2014	11/20/2015

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

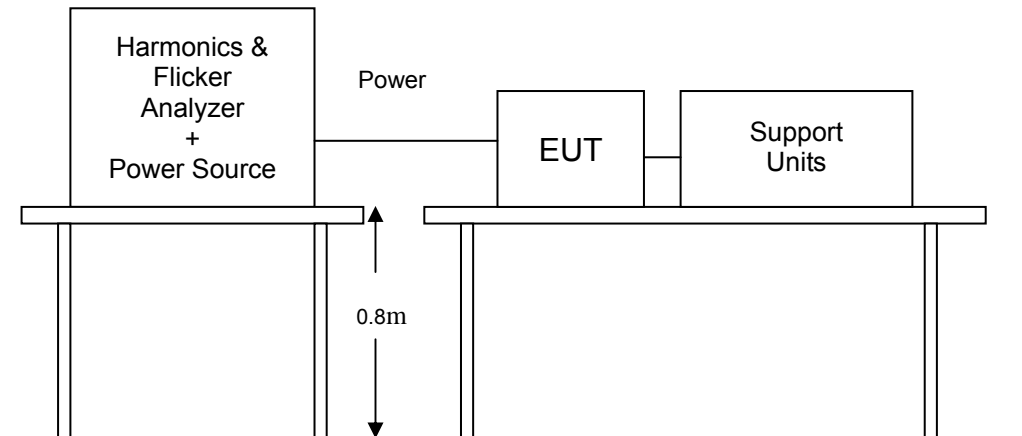
2. N.C.R = No Calibration Request

### 7.5.3. TEST PROCEDURE

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the most unfavorable sequence of voltage changes under normal operating conditions.

During the flick measurement, the measure time shall include that part of whole operation cycle in which the EUT produce the most unfavorable sequence of voltage changes. The observation period for short-term flicker indicator is 10 minutes and the observation period for long-term flicker indicator is 2 hours.

### 7.5.4. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

### 7.5.5. TEST RESULTS

Observation Period (Tp)	15 minutes	Test Mode	Mode1
Environmental Conditions	25°C, 46% RH, 1036mbar	Tested by	Wei.su



## Flicker Test Summary per EN/IEC61000-3-3 (Run time)

EUT: GST160A20

Tested by: Wei.Su

Test category: dt,dmax,dc and Pst (European limits)

Test Margin: 100

Test date: 2015-5-23

Start time: 15:16:07

End time: 15:31:28

Test duration (min): 15

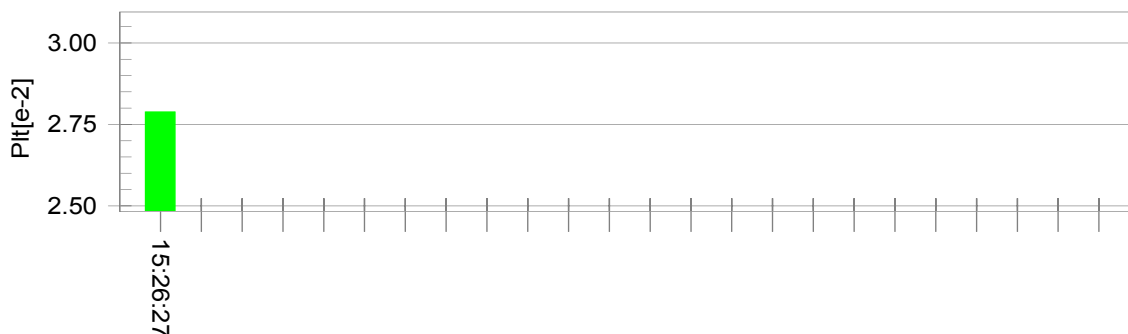
Data file name: F-000160.cts\_data

Comment: C150522E03

Customer: MEAN WELL

Test Result: Pass

Status: Test Completed

Pst and limit lineEuropean LimitsPlt and limit line

## Parameter values recorded during the test:

Vrms at the end of test (Volt): 230.16

Highest dt (%): 0.00

Time(mS) &gt; dt: 0.0

Highest dc (%): 0.00

Highest dmax (%): 0.00

Highest Pst (10 min. period): 0.064

Test limit (%): 3.30 Pass

Test limit (mS): 500.0 Pass

Test limit (%): 3.30 Pass

Test limit (%): 4.00 Pass

Test limit: 1.000 Pass

## 8 IMMUNITY TEST

### 8.1. GENERAL DESCRIPTION

Product Standard	EN 55024	
	Test Type	Minimum Requirement
Basic Standard, Specification, and Performance Criterion required	EN 61000-4-2	Electrostatic Discharge – ESD: 8KV air discharge, 4KV Contact discharge, Performance Criterion B
	EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test – RS: 80 ~1000 MHz, 3V/m, 80% AM(1KHz), Performance Criterion A
	EN 61000-4-4	Electrical Fast Transient/Burst - EFT, AC Power Port: 1KV DC Power Port: 0.5KV Signal Ports and Telecommunication Ports: 0.5KV Performance Criterion B
	EN 61000-4-5	Surge Immunity Test: For Power: 1.2/50 $\mu$ s Open Circuit Voltage, 8/20 $\mu$ s Short Circuit Current, AC Power Port ~ line to line: 1KV, line to earth (ground): 2KV DC Power Port ~ line to earth: 0.5KV Performance Criterion B  For Signal Ports and Telecommunication Ports: 10/700 $\mu$ s generator: With primary protectors fitted:4KV Without primary protectors:1KV Performance Criterion C
	EN 61000-4-6	Conducted Radio Frequency Disturbances Test –CS: 0.15 ~ 80 MHz, 3Vrms, 80% AM, 1KHz, Performance Criterion A
	EN 61000-4-8	Power frequency magnetic field immunity test 50/60 Hz, 1A/m Performance Criterion A
	EN 61000-4-11	Voltage Dips:AC 50Hz i) >95% reduction for 0.5 period, Performance Criterion B ii) 30% reduction for 25 period, Performance Criterion C Voltage Interruptions: >95% reduction for 250 period Performance Criterion C

Product Standard	EN 61000-6-1	
	Test Type	Minimum Requirement
<b>Basic Standard, Specification, and Performance Criterion required</b>	EN 61000-4-2	Electrostatic Discharge – ESD: 8KV air discharge, 4KV Contact discharge, Performance Criterion B
	EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test – RS: 80 MHz ~1000 MHz ;1400 MHz ~2000 MHz; 2000 MHz ~2700 MHz,3;3;1V/m, 80% AM(1KHz), Performance Criterion A
	EN 61000-4-4	Electrical Fast Transient/Burst - EFT, AC Power Port: 1KV DC Power Port: 0.5KV Signal Ports and Telecommunication Ports: 0.5KV Performance Criterion B
	EN 61000-4-5	Surge Immunity Test: For Power: 1.2/50 $\mu$ s Open Circuit Voltage, 8/20 $\mu$ s Short Circuit Current, AC Power Port ~ line to line: 1KV, line to earth (ground): 2KV DC Power Port ~ line to earth: 0.5KV Performance Criterion B
	EN 61000-4-6	Conducted Radio Frequency Disturbances Test –CS: 0.15 ~ 80 MHz, 3Vrms, 80% AM, 1KHz, Performance Criterion A
	EN 61000-4-8	Power frequency magnetic field immunity test 50/60 Hz, 3A/m Performance Criterion A
	EN 61000-4-11	Voltage Dips:AC 50Hz i) >0% reduction for 0.5 period, Performance Criterion B ii)0% reduction for 1period, Performance Criterion B iii) 30% reduction for 25 period, Performance Criterion C Voltage Interruptions: 0% reduction for 250 period Performance Criterion C

Product Standard	EN 61204-3	
	Test Type	Minimum Requirement
<b>Basic Standard, Specification, and Performance Criterion required</b>	EN 61000-4-2	Electrostatic Discharge – ESD: 8KV air discharge, 4KV Contact discharge, Performance Criterion B
	EN 61000-4-3	Radio-Frequency Electromagnetic Field Susceptibility Test – RS: 80 ~1000 MHz, 80% AM(1KHz), 900±500MHz, with 50% duty cycle and 200Hz Repetition Frequency Modulation 3V/m, Performance Criterion A
	EN 61000-4-4	Electrical Fast Transient/Burst - EFT, AC Power Port: 1KV DC Power Port: 0.5KV Signal Ports and Telecommunication Ports: 0.5KV Performance Criterion B
	EN 61000-4-5	Surge Immunity Test: For Power: 1.2/50 µs Open Circuit Voltage, 8/20 µs Short Circuit Current, AC Power Port ~ line to line: 1KV, line to earth (ground): 2KV DC Power Port ~ line to earth: 0.5KV Performance Criterion B
	EN 61000-4-6	Conducted Radio Frequency Disturbances Test –CS: 0.15 ~ 80 MHz, 3Vrms, 80% AM, 1KHz, Performance Criterion B
	EN 61000-4-11	Voltage Dips:AC 50Hz i) 30% residual with 10ms. Performance Criterion B ii) 60% residual with 100ms, Performance Criterion C Voltage Interruptions: 0% residual voltage interruptions with 5000ms Performance Criterion C

## 8.2. GENERAL PERFORMANCE CRITERIA DESCRIPTION

<b>Criteria A:</b>	The apparatus shell continues to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance. If the manufacturer does not specify the minimum performance level or the permissible performance loss, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
<b>Criteria B:</b>	<p>After test, the apparatus shell continues to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomenon below a performance level specified by the manufacturer, when the apparatus is used as intended. The performance level may be replaced by a permissible loss of performance.</p> <p>During the test, degradation of performance is however allowed. However, no change of operating state if stored data is allowed to persist after the test. If the manufacturer does not specify the minimum performance level or the permissible performance loss, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.</p>
<b>Criteria C:</b>	<p>Temporary loss of function is allowed, provided the functions is self-recoverable or can be restored by the operation of controls by the user in accordance with the manufacturer instructions.</p> <p>Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.</p>

### 8.3. ELECTROSTATIC DISCHARGE (ESD)

#### 8.3.1. TEST SPECIFICATION

Product Standard: EN 55024; EN 61000-6-1; EN 61204-3

Basic Standard:	EN 61000-4-2
Discharge Impedance:	330 ohm / 150 pF
Discharge Voltage:	Air Discharge: 2 ; 4 ; 8 KV (Direct) Contact Discharge: 2 ; 4 KV (Direct/Indirect)
Polarity:	Positive & Negative
Number of Discharge:	Air Discharge: min. 10 times at each test point for each polarity Contact Discharge: min. 200 times in total
Discharge Mode:	Single Discharge 1 second minimum

#### 8.3.2. TEST INSTRUMENT

Electrostatic Discharge					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
ESD Simulator	EM TEST	DITO 509030	V0936105118	04/16/2015	04/15/2016
ESD Generator	TESEQ AG	NSG 435	6172	06/03/2015	06/02/2016
ESD Simulator	EMTEST	ESD 30	V0736102888	10/11/2014	10/10/2015

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. N.C.R = No Calibration Request.

### 8.3.3. TEST PROCEDURE

The discharges shall be applied in two ways:

a) Contact discharges to the conductive surfaces and coupling planes:

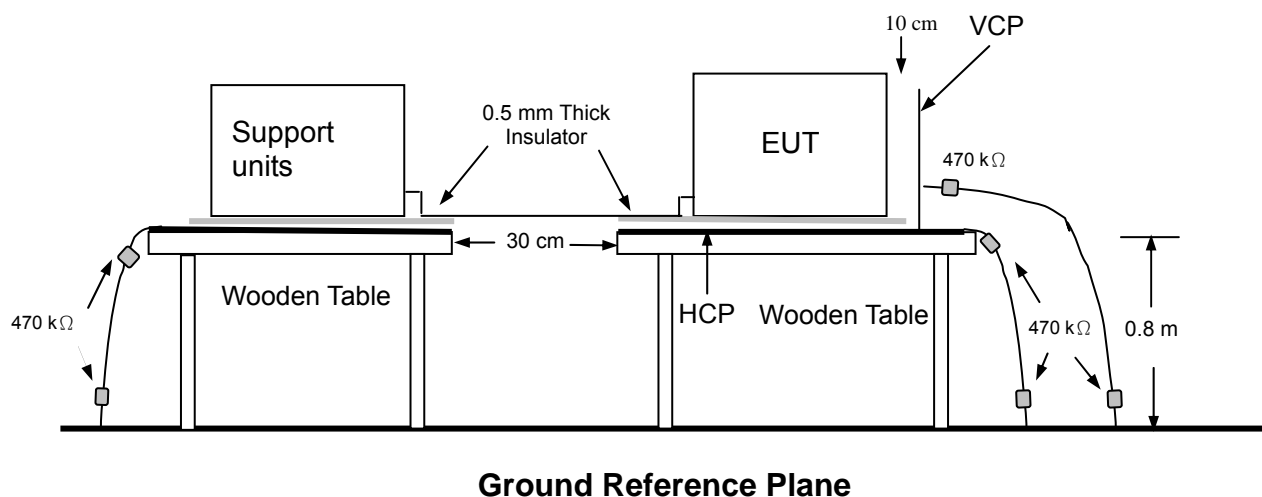
The EUT shall be exposed to at least 200 discharges, 100 each at negative and positive polarity, at a minimum of four test points. One of the test points shall be subjected to at least 50 indirect discharges to the center of the front edge of the **Horizontal Coupling Plane (HCP)**. The remaining three test points shall each receive at least 50 direct contact discharges. If no direct contact test points are available, then at least 200 indirect discharges shall be applied in the indirect mode. Test shall be performed at a maximum repetition rate of one discharge per second.

b) Air discharges at slots and apertures and insulating surfaces:

On those parts of the EUT where it is not possible to perform contact discharge testing, the equipment should be investigated to identify user accessible points where breakdown may occur. Such points are tested using the air discharge method. This investigation should be restricted to those area normally handled by the user. A minimum of 10 single air discharges shall be applied to the selected test point for each such area.

The basic test procedure was in accordance with EN 61000-4-2:

- a) The EUT was located 0.1 m minimum from all side of the **HCP** (dimensions 1.6m x 0.8m).
- b) The support units were located another table 30 cm away from the EUT, but direct support unit was/were located at same location as EUT on the HCP and keep at a distance of 10 cm with EUT.
- c) The time interval between two successive single discharges was at least 1 second.
- d) Contact discharges were applied to the non-insulating coating, with the pointed tip of the generator penetrating the coating and contacting the conducting substrate.
- e) Air discharges were applied with the round discharge tip of the discharge electrode approaching the EUT as fast as possible (without causing mechanical damage) to touch the EUT. After each discharge, the ESD generator was removed from the EUT and re-triggered for a new single discharge. The test was repeated until all discharges were complete.
- f) At least ten single discharges (in the most sensitive polarity) were applied at the front edge of each **HCP** opposite the center point of each unit of the EUT and 0.1 meters from the front of the EUT. The long axis of the discharge electrode was in the plane of the **HCP** and perpendicular to its front edge during the discharge.
- g) At least ten single discharges (in the most sensitive polarity) were applied to the center of one vertical edge of the **Vertical Coupling Plane (VCP)** in sufficiently different positions that the four faces of the EUT were completely illuminated. The **VCP** (dimensions 0.5m x 0.5m) was placed vertically to and 0.1 meters from the EUT.



#### 8.3.4. TEST SETUP

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

**NOTE:**

TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table 0.8 meters high standing on the **Ground Reference Plane**. The **GRP** consisted of a sheet of aluminum at least 0.25mm thick, and 2.5 meters square connected to the protective grounding system. A **Horizontal Coupling Plane** (1.6m x 0.8m) was placed on the table and attached to the **GRP** by means of a cable with 940k $\Omega$  total impedance. The equipment under test, was installed in a representative system as described in section 7 of EN 61000-4-2, and its cables were placed on the **HCP** and isolated by an insulating support of 0.5mm thickness. A distance of 1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

FLOOR-STANDING EQUIPMENT

The equipment under test was installed in a representative system as described in section 7 of EN 61000-4-2, and its cables were isolated from the Ground Reference Plane by an insulating support of 0.1-meter thickness. The GRP consisted of a sheet of aluminum that is at least 0.25mm thick, and 2.5 meters square connected to the protective grounding system and extended at least 0.5 meters from the EUT on all sides.



**8.3.5. TEST RESULTS**

Product Standard: EN 55024; EN 61000-6-1; EN 61204-3

Temperature	22°C	Humidity	43% RH
Pressure	1017mbar	Tested By	Wei,su
Required Passing Performance		Criterion B	

Air Discharge						
Test Points	Test Levels				Performance Criterion	Results
	± 2 KV	± 4 KV	± 8 KV	± 15 KV		
1,2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A	PASS
3,4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A	PASS
5,6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A	PASS
7,8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A	PASS

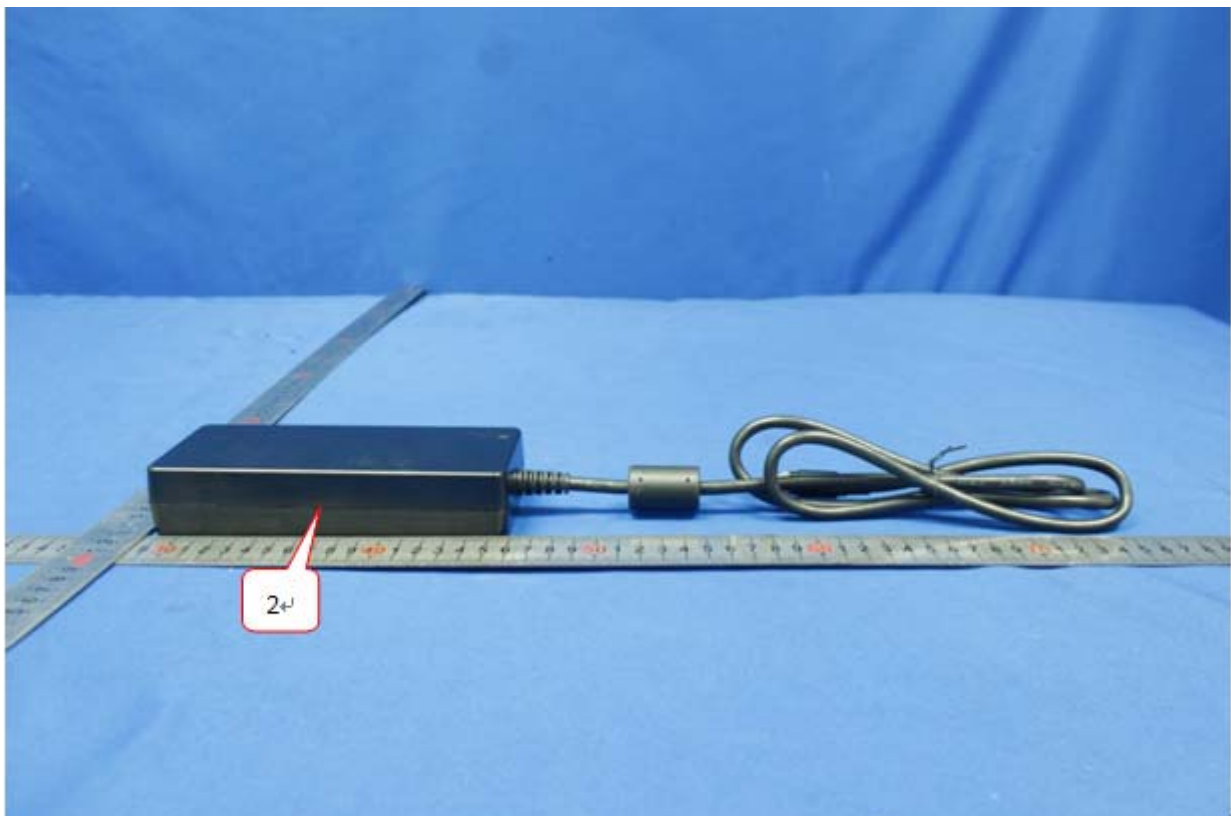
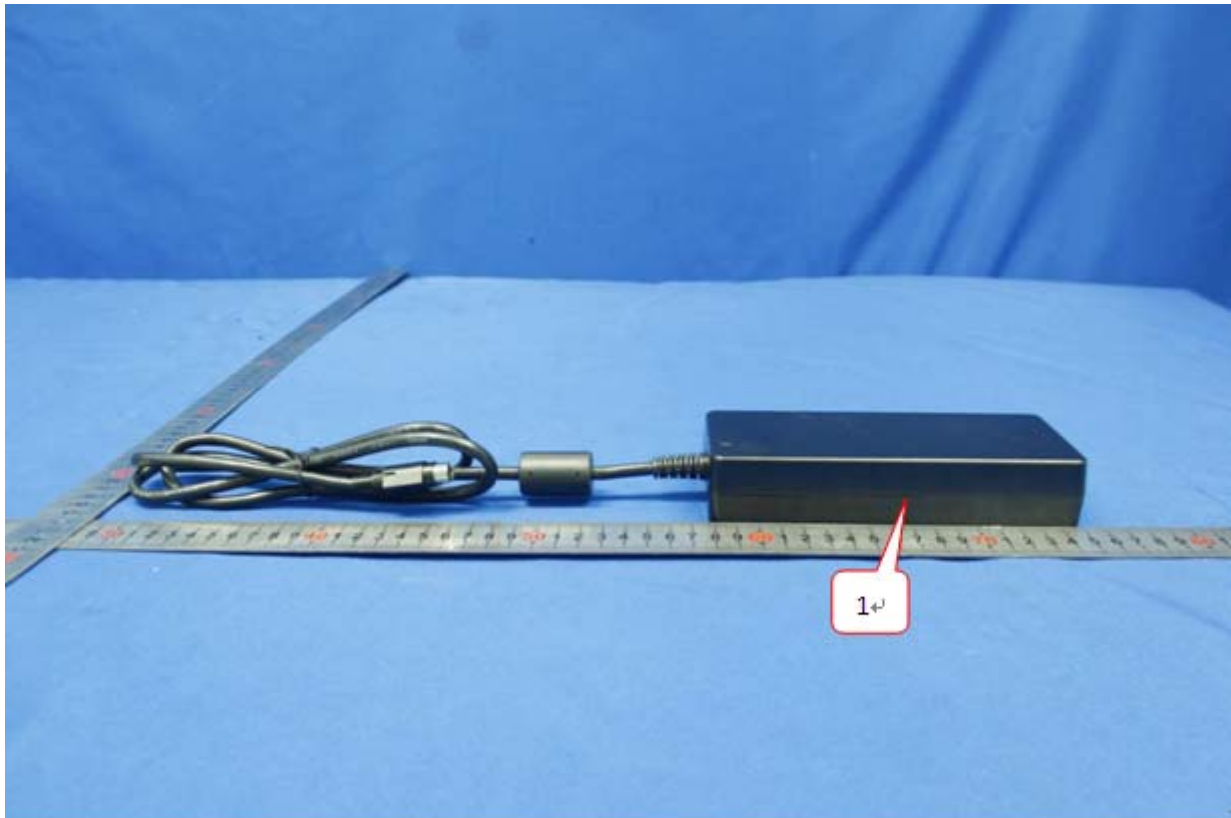
Contact Discharge						
Test Points	Test Levels				Performance Criterion	Results
	± 2 KV	± 4 KV	± 6 KV	± 8 KV		
HCP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	PASS
VCP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	PASS

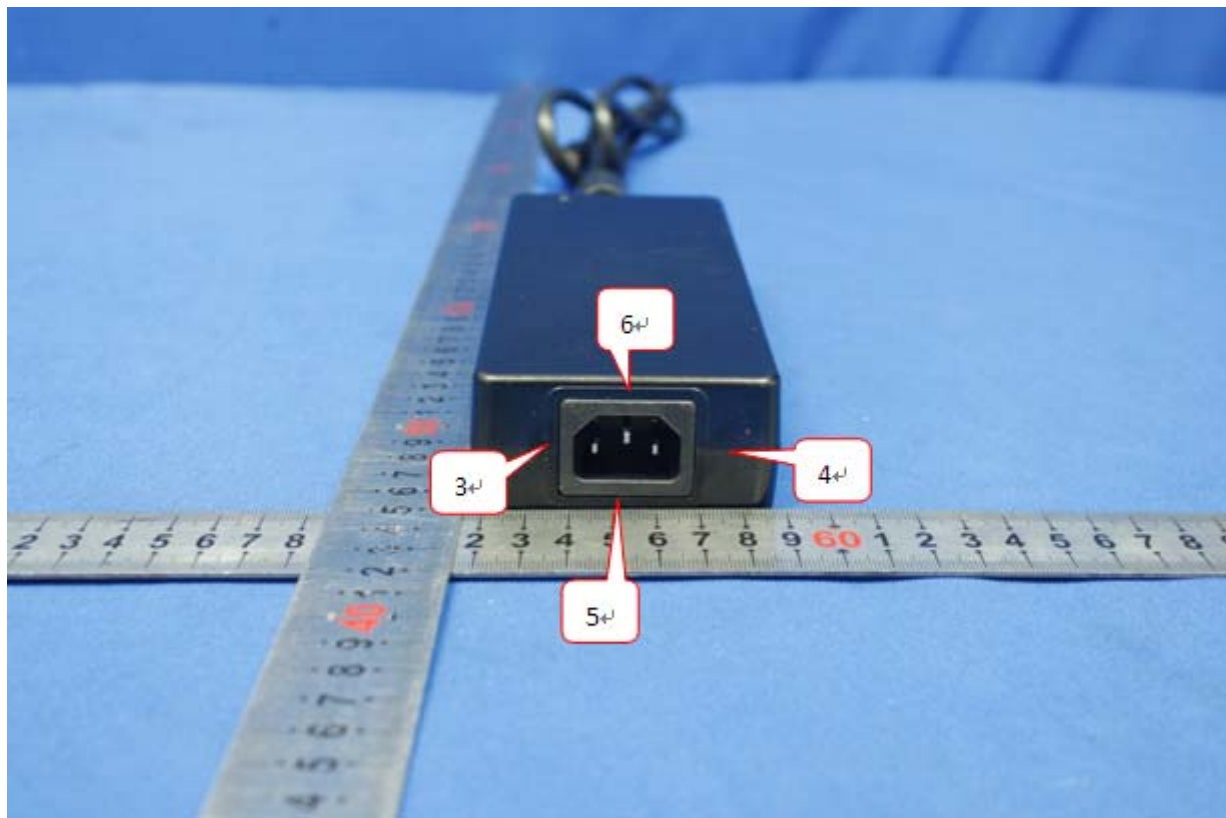
**Performance Criterion :**

A : There was no change compared with initial operation during and after the test.

No unintentional response was found during the test.

B : Performance degradation or loss of function part during the test, but can self-recover .

**The Photo for Discharge Points of EUT**





## 8.4. RADIATED, RADIO-FREQUENCY, ELECTROMAGNETIC FIELD (RS)

### 8.4.1. TEST SPECIFICATION

#### EN55024

Basic Standard:	EN 61000-4-3
Frequency Range:	80 MHz ~1000 MHz
Field Strength:	3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of preceding frequency value
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5m

#### EN61000-6-1

Basic Standard:	EN 61000-4-3
Frequency Range:	80 MHz ~1000 MHz ;1400 MHz ~2000 MHz; 2000 MHz ~2700 MHz
Field Strength:	3;3;1V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of preceding frequency value
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5m

#### EN61204-3

Basic Standard:	EN 61000-4-3
Frequency Range:	80 MHz ~1000 MHz; 900MHz $\pm$ 5MHz
Field Strength:	3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation, 900 MHz with 50% duty cycle and 200Hz Repetition Frequency Modulation
Frequency Step:	1 % of preceding frequency value
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5m

**8.4.2. TEST INSTRUMENT**

Radiated susceptibility					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
E-Field Sensor	AR Worldwide	FL7006 100K-6G	0342390	06/18/2014	06/17/2015
Amplifier Research (80~1000MHz 150w)	AR Worldwide	150W1000M1	320947	N.C.R	N.C.R
Amplifier Research (1~6GHz 50w)	AR Worldwide	50S1G6M1	0342706	N.C.R	N.C.R
Dual Directional Coupler (1-11G)	AR Worldwide	C1-A47NFNF 35dB	001	N.C.R	N.C.R
Dual Directional Coupler (80~1000MHz 400w)	AR Worldwide	DC6180	302211	N.C.R	N.C.R
RF POWER METER	BOONTON	4232A-01	1614	04/09/2015	04/08/2016
POWER SENSOR	BOONTON	51011-EMC	34148	04/09/2015	04/08/2016
POWER SENSOR	BOONTON	51011-EMC	34149	04/09/2015	04/08/2016
Antenna	AR Worldwide	TP1000A	302624	N.C.R	N.C.R
Laser probe interface	AR Worldwide	F1700	0342390	06/18/2014	06/17/2015
Synthesized Signal Generator	AGILENT	83732B	US37101915	05/20/2015	05/19/2016

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. N.C.R = No Calibration Request.

### 8.4.3. TEST PROCEDURE

The test procedure was in accordance with EN 61000-4-3

a) The testing was performed in a fully anechoic chamber. The EUT and load, which are placed on a table that is 0.8 meter above ground, are placed with one coincident with the calibration plane such that the distance from antenna to the EUT was 3 meters.

b) All the scanning conditions are as follows:

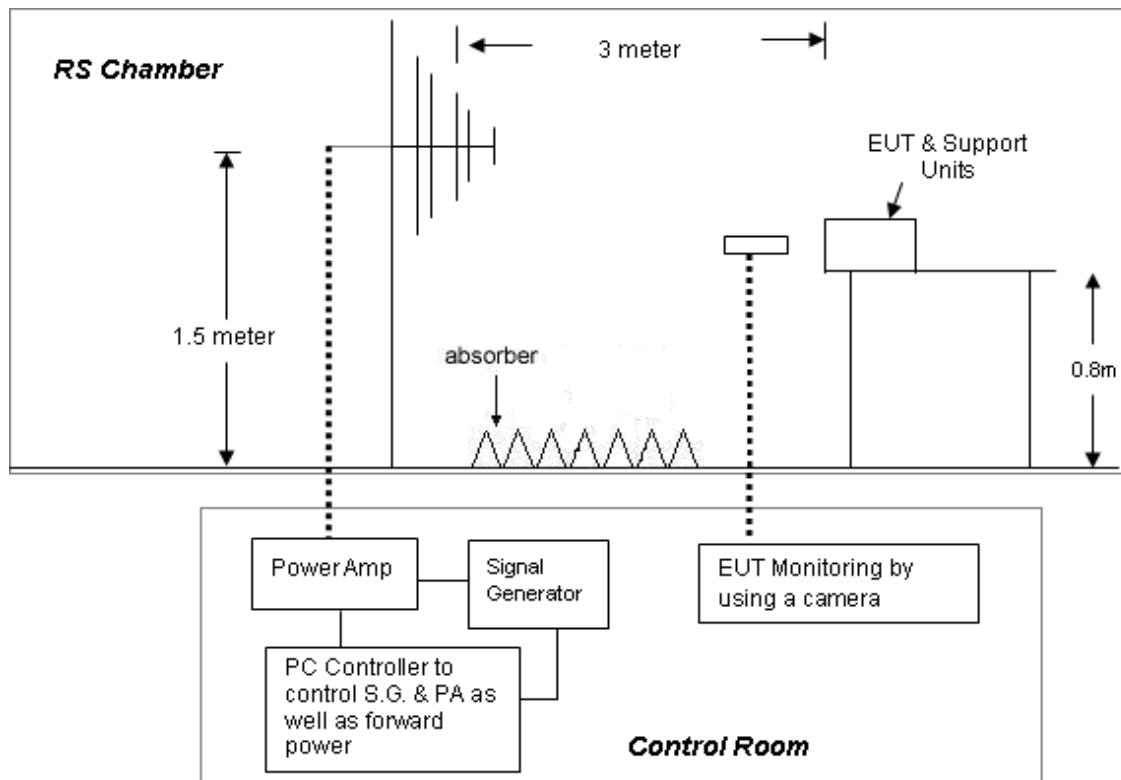
Condition of Test	Remarks
1. Field Strength	3 V/m Level 2
2. Radiated Signal	AM80% Modulated with 1kHz
3. Scanning Frequency	80MHz - 1000MHz
4 Dwell Time	3 Seconds
5. Frequency step size $\Delta f$ :	1%
6. The rate of Swept of Frequency	$1.5 \times 10^{-3}$ decades/s

c) The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.

d) The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

e) In order to judge the EUT performance, a CCD camera is used to monitor EUT screen.

### 8.4.4. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.



**NOTE:****TABLETOP EQUIPMENT**

The EUT installed in a representative system as described in section 7 of EN 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

**FLOOR STANDING EQUIPMENT**

The EUT installed in a representative system as described in section 7 of EN 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.



## 8.4.5. TEST RESULTS

## EN55024

Temperature	22°C	Humidity	48% RH
Pressure	1017mbar	Dwell Time	3 sec.
Tested By	Wei.su	Required Passing Performance	Criterion A

Frequency (MHz)	Polarity	Azimuth	Field Strength (V/m)	Performance Criterion	Result
80 ~ 1000	V&H	0	3	A	PASS
80 ~ 1000	V&H	90	3	A	PASS
80 ~ 1000	V&H	180	3	A	PASS
80 ~ 1000	V&H	270	3	A	PASS

## Performance Criterion :

A : There was no change compared with initial operation during and after the test. No unintentional response was found during the test.

## EN61000-6-1

Temperature	22°C	Humidity	48% RH
Pressure	1017mbar	Dwell Time	3 sec.
Tested By	Wei.su	Required Passing Performance	Criterion A

Frequency (MHz)	Polarity	Azimuth	Field Strength (V/m)	Performance Criterion	Result
80 ~ 1000	V&H	0	3	A	PASS
80 ~ 1000	V&H	90	3	A	PASS
80 ~ 1000	V&H	180	3	A	PASS
80 ~ 1000	V&H	270	3	A	PASS

Frequency (MHz)	Polarity	Azimuth	Field Strength (V/m)	Performance Criterion	Result
1400 ~ 2000	V&H	0	3	A	PASS
1400 ~ 2000	V&H	90	3	A	PASS
1400 ~ 2000	V&H	180	3	A	PASS
1400 ~ 2000	V&H	270	3	A	PASS

Frequency (MHz)	Polarity	Azimuth	Field Strength (V/m)	Performance Criterion	Result
2000 ~ 2700	V&H	0	1	A	PASS
2000 ~ 2700	V&H	90	1	A	PASS
2000 ~ 2700	V&H	180	1	A	PASS
2000 ~ 2700	V&H	270	1	A	PASS

**Performance Criterion :**

A : There was no change compared with initial operation during and after the test. No unintentional response was found during the test.

**EN61204-3**

<b>Temperature</b>	22°C	<b>Humidity</b>	48% RH
<b>Pressure</b>	1017mbar	<b>Dwell Time</b>	3 sec.
<b>Tested By</b>	Wei.su	<b>Required Passing Performance</b>	<b>Criterion A</b>

Frequency (MHz)	Polarity	Azimuth	Field Strength (V/m)	Performance Criterion	Result
80 ~ 1000	V&H	0	3	A	PASS
80 ~ 1000	V&H	90	3	A	PASS
80 ~ 1000	V&H	180	3	A	PASS
80 ~ 1000	V&H	270	3	A	PASS

Frequency (MHz)	Polarity	Azimuth	Field Strength (V/m)	Performance Criterion	Result
900±5	V&H	0	3	A	PASS
900±5	V&H	90	3	A	PASS
900±5	V&H	180	3	A	PASS
900±5	V&H	270	3	A	PASS

**Performance Criterion :**

A : There was no change compared with initial operation during and after the test. No unintentional response was found during the test.

## 8.5. ELECTRICAL FAST TRANSIENT (EFT)

### 8.5.1. TEST SPECIFICATION

EN55024; EN61000-6-1; EN61204-3

<b>Basic Standard:</b>	EN 61000-4-4
<b>Test Voltage:</b>	AC Power Port: 1KV Signal Ports and Telecommunication Ports: 0.5KV
<b>Polarity:</b>	Positive & Negative
<b>Impulse Frequency:</b>	5 kHz (100 kHz for XDSL equipment)
<b>Impulse Wave-shape:</b>	5/50 ns
<b>Burst Duration:</b>	15 ms
<b>Burst Period:</b>	300 ms
<b>Test Duration:</b>	Not less than 1 min.

### 8.5.2. TEST INSTRUMENT

Electrical fast transient/burst					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Transients/Burst/Surge test system	TESEQ	NSG3060	1389	04/09/2015	04/08/2016
Coupling and Decoupling Network	TESEQ	CDN3061	1356	04/09/2015	04/08/2016
ELECTRICAL FAST TRANSIENT/BURST CAPACITANCE CLAMP	3Ctest	EFT-4000	EC0440622	04/09/2015	04/08/2016
EMC Immunity Tester	EMC PARTNER	TRA2006	TRA2006_F-S-T-D-R-1503	03/03/2015	03/02/2016
Coupling Network	EMC PARTNER	CN-EFT1000	CN-EFT1000_1535	04/09/2015	04/08/2016

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. N.C.R = No Calibration Request.

**8.5.3. TEST PROCEDURE**

a) The EUT is placed on a table that is 0.8 meter height. A ground reference plane is placed on the table, and uses a 0.1m insulation between the EUT and ground reference plane. The minimum area of the ground reference plane is 1m\*1m, and 0.65mm thick min, and projected beyond the EUT by at least 0.1m on all sides.

b) Test on I/O and communication ports:

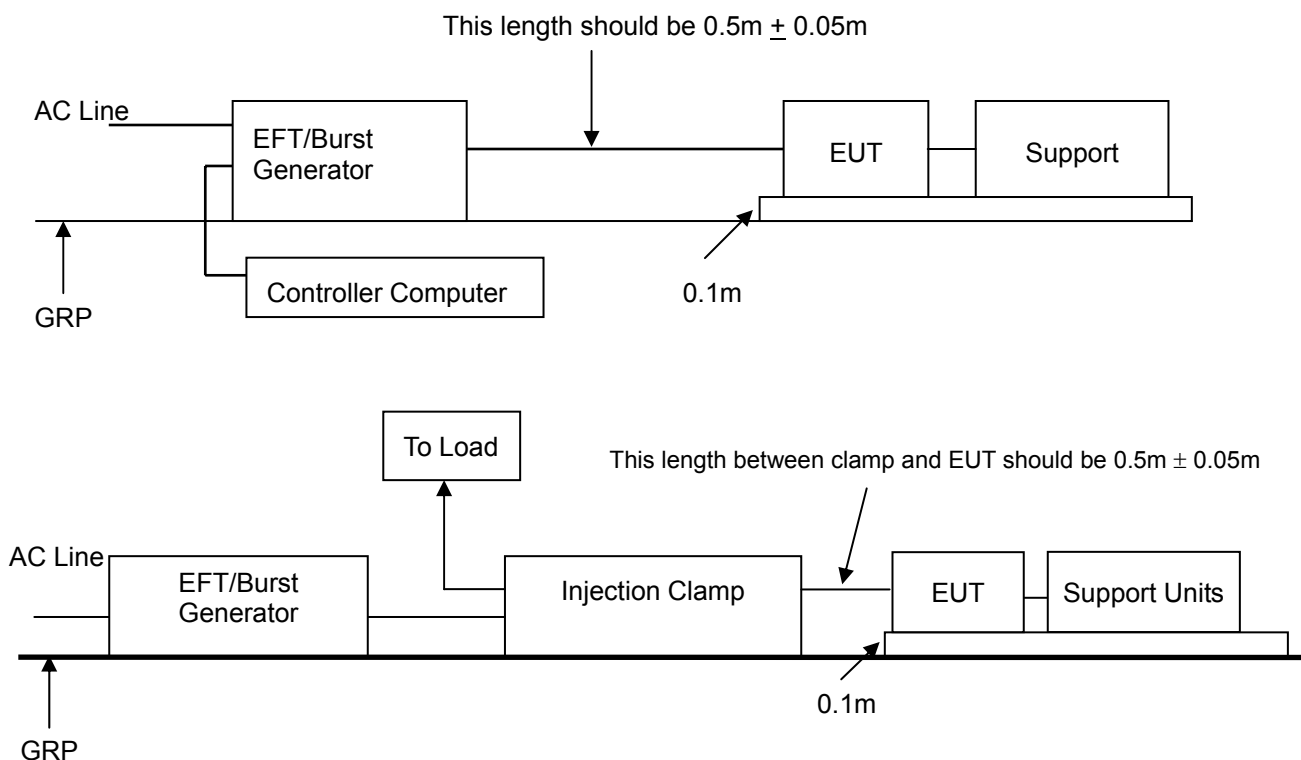
The EFT interference signal is through a coupling clamp device couples to the signal and control lines of the EUT with burst noise for 1minute.

c) Test on power supply ports:

The EUT is connected to the power mains through a coupling device that directly couples the EFT/B interference signal.

Each of the Line and Neutral conductors is impressed with burst noise for 1 minute. The length of the signal and power lines between the coupling device and the EUT is 0.5m.

#### 8.5.4. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### NOTE:

##### TABLETOP EQUIPMENT

The configuration consisted of a wooden table (0.1m high) standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system. A minimum distance of 0.5m was provided between the EUT and the walls of the laboratory or any other metallic structure.

##### FLOOR STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of EN 61000-4-4 and its cables, were isolated from the Ground Reference Plane by an insulating support that is 0.1-meter thick. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system.

**8.5.5. TEST RESULTS**

EN55024; EN61000-6-1; EN61204-3

Temperature	21°C	Humidity	48% RH
Pressure	1017mbar	Tested By	Wei.su
Required Passing Performance		Criterion B	

Test Point	Polarity	Test Level(KV)	Performance Criterion	Result
L	+/-	0.5/1	A	PASS
N	+/-	0.5/1	A	PASS
L+N	+/-	0.5/1	A	PASS
PE	+/-	0.5/1	A	PASS
L+PE	+/-	0.5/1	A	PASS
N+PE	+/-	0.5/1	A	PASS
L+N+PE	+/-	0.5/1	A	PASS

**Performance Criterion :**

A : There was no change compared with initial operation during the test.

B : Performance degradation or loss of function part during the test, but can self-recover .

## 8.6. SURGE IMMUNITY TEST

### 8.6.1. TEST SPECIFICATION

EN55024; EN61000-6-1; EN61204-3

<b>Basic Standard:</b>	EN 61000-4-5
<b>Wave-Shape:</b>	For Power port: Combination Wave 1.2/50 $\mu$ s Open Circuit Voltage 8/20 $\mu$ s Short Circuit Current
<b>Test Voltage:</b>	AC Power Port~ line to line: 1KV, line to ground: 2KV
<b>Surge Input/Output:</b>	AC Power Line: L-N / L-PE / N-PE Telecommunication line: T-Ground / R-Ground
<b>Generator Source Impedance:</b>	2 ohm between networks 12 ohm between network and ground 40 ohm between telecom line and ground
<b>Polarity:</b>	Positive/Negative
<b>Phase Angle:</b>	0° / 90° / 180° / 270°
<b>Pulse Repetition Rate:</b>	1 time / min. (maximum)
<b>Number of Tests:</b>	5 positive and 5 negative at selected points

**8.6.2. TEST INSTRUMENT**

Surge					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Transients/Burst/Surge test system	TESEQ	NSG3060	1389	04/09/2015	04/08/2016
Transients/Burst/Surge test system	TESEQ	NSG3060	1393	04/09/2015	04/08/2016
Coupling and Decoupling Network	TESEQ	CDN3061	1356	04/09/2015	04/08/2016
Signal Line Coupling Network	SCHAFFNER	CDN-117	17396	N.C.R.	N.C.R.
Signal Line Coupling Network	SCHAFFNER	CDN-118	SL 400-187	N.C.R.	N.C.R.
Coupling Accessory GAS Arrestor	SCHAFFNER	INA170	SL403-107	N.C.R.	N.C.R.
Coupling Accessory GAS Arrestor with 0.1 $\mu$ F	SCHAFFNER	INA171	SL403-108	N.C.R.	N.C.R.
R-Box 4x100 $\Omega$	SCHAFFNER	INA172	SL403-109	N.C.R.	N.C.R.
capacitance (0.5 $\mu$ F)	SCHAFFNER	INA174	SL403-209	N.C.R.	N.C.R.
R-Box 4x160 $\Omega$	SCHAFFNER	INA175	SL403-474	N.C.R.	N.C.R.
EMC Immunity Tester	EMC PARTNER	TRA2006	F-S-T-D-R-1503	03/03/2015	03/02/2016
Coupling and Decoupling Network	EMC PARTNER	CDN-UTP8	1511	01/15/2015	01/14/2016

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. N.C.R = No Calibration Request.



### 8.6.3. TEST PROCEDURE

a) For EUT power supply:

The surge is applied to the EUT power supply terminals via the capacitive coupling network. Decoupling networks are required in order to avoid possible adverse effects on equipment not under test that may be powered by the same lines, and to provide sufficient decoupling impedance to the surge wave. The power cord between the EUT and the coupling/decoupling networks was shorter than 2 meters in length.

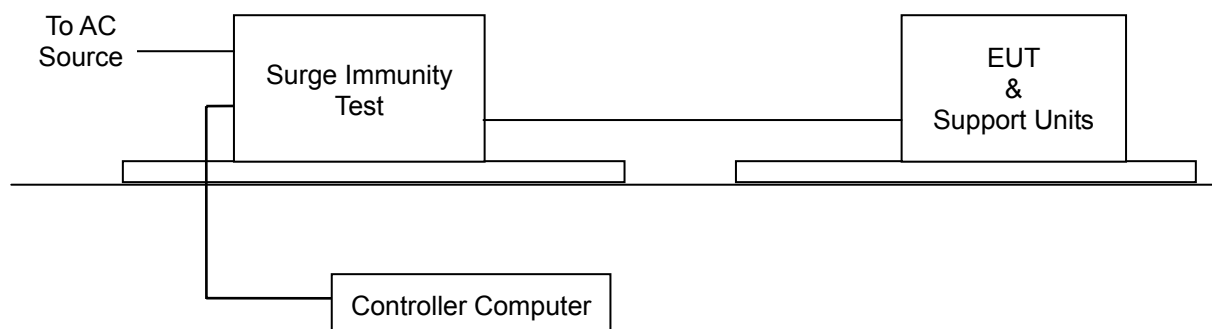
b) For test applied to unshielded un-symmetrically operated interconnection lines of EUT:

The surge was applied to the lines via the capacitive coupling. The coupling / decoupling networks didn't influence the specified functional conditions of the EUT. The interconnection line between the EUT and the coupling/decoupling networks was shorter than 2 meters in length.

c) For test applied to unshielded symmetrically operated interconnection / telecommunication lines of EUT:

The surge was applied to the lines via gas arrestors coupling. Test levels below the ignition point of the coupling arrestor were not specified. The interconnection line between the EUT and the coupling/decoupling networks was shorter than 2 meters in length.

### 8.6.4. TEST SETUP



For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

**8.6.5. TEST RESULTS**

EN55024; EN61000-6-1; EN61204-3;

Temperature	21°C	Humidity	48% RH
Pressure	1017mbar	Tested By	Wei.su
Required Passing Performance		Criterion B	

Test Point	Polarity	Test Level (KV)	Performance Criterion	Result
L-N	+/-	0.5/1	A	PASS
L-PE	+/-	1/2	A	PASS
N-PE	+/-	1/2	A	PASS

**Performance Criterion :**

A : There was no change compared with initial operation during the test.

B : Performance degradation or loss of function part during the test, but can self-recover .

C : The function stopped during the test, but can be recoverable manually after the test.

## 8.7. CONDUCTED RADIO FREQUENCY DISTURBANCES (CS)

### 8.7.1. TEST SPECIFICATION

EN55024; EN61000-6-1; EN61204-3

<b>Basic Standard:</b>	EN 61000-4-6
<b>Frequency Range:</b>	0.15 MHz ~ 80 MHz
<b>Field Strength:</b>	3 Vrms
<b>Modulation:</b>	1kHz Sine Wave, 80%, AM Modulation
<b>Frequency Step:</b>	1 % of preceding frequency value
<b>Coupled cable:</b>	Power Mains, Unshielded; RJ45 Line, Unshielded
<b>Coupling device:</b>	CDN- M316 (3 wires)

### 8.7.2. TEST INSTRUMENT

Conducted susceptibility					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
RF Generator	SCHAFFNER	NSG2070	1042	04/09/2015	04/08/2016
EM-Koppelzange	SCHAFFNER	KEMZ 801	17629	03/03/2015	03/02/2016
Attenuator	EURO MC	7860 ORGEVAL	2226	05/20/2015	05/19/2016
CDN (Coupling and Decoupling Network)	SCHAFFNER	CDN M216	16399	03/03/2015	03/02/2016
CDN (Coupling and Decoupling Network)	SCHAFFNER	CDN M316	16939	03/03/2015	03/02/2016
CDN (Coupling and Decoupling Network)	TESEQ	CDN S751	31084	10/08/2014	10/07/2015
CDN (Coupling and Decoupling Network)	TESEQ	CDN M116	35358	03/03/2015	03/02/2016
Signal Line Coupling Decoupling Network	FCC	FCC-801-T8-RJ45	04026	04/09/2015	04/08/2016

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. N.C.R = No Calibration Request.

### 8.7.3. TEST PROCEDURE

a) The EUT are placed on a table that is 0.8 meter height, and a Ground reference plane on the table, EUT are placed upon table and use a 10cm insulation between the EUT and Ground reference plane. The test shell performed with the test generator connected to each of the coupling and decoupling devices in turn, while the other non-excited RF input ports of the coupling devices are terminated by a 50-ohm load resistor.

b) For Signal Ports and Telecommunication Ports

The disturbance signal is through a coupling and decoupling networks (CDN) or EM-clamp device couples to the signal and Telecommunication lines of the EUT.

c) For Input DC and AC Power Ports

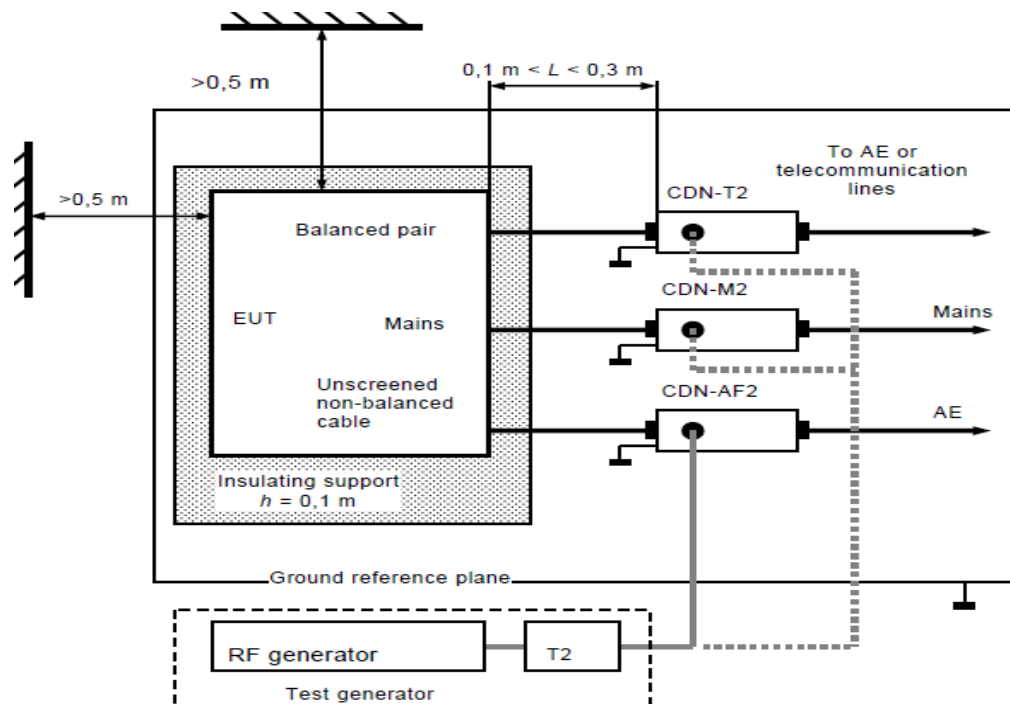
The EUT is connected to the power mains through a coupling and decoupling networks for power supply lines. And directly couples the disturbances signal into EUT.

Used CDN-M2 for two wires or CDN-M3 for three wires.

d) All the scanning conditions are as follows:

Condition of Test	Remarks
1. Field Strength	130dBuV(3V) Level 2
2. Radiated Signal	AM 80% Modulated with 1kHz
3. Scanning Frequency	0.15MHz – 80MHz
4 Dwell Time	3 Seconds
5. Frequency step size $\Delta f$ :	1%
6. The rate of Swept of Frequency	$1.5 \times 10^{-3}$ decades/s

#### 8.7.4. TEST SETUP



- Note:** 1. The EUT is setup 0.1m above Ground Reference Plane  
2. The CDNs and / or EM clamp used for real test depends on ports and cables configuration of EUT.

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

**NOTE:**

**TABLE-TOP AND FLOOR-STANDING EQUIPMENT**

The equipment to be tested is placed on an insulating support of 0.1 meters height above a ground reference plane. All relevant cables shall be provided with the appropriate coupling and decoupling devices at a distance between 0.1 meters and 0.3 meters from the projected geometry of the EUT on the ground reference plane.

**8.7.5. TEST RESULTS**

EN55024; EN61000-6-1; EN61204-3

Temperature	21°C	Humidity	48% RH
Pressure	1013mbar	Tested By	Wei.su
Required Passing Performance		Criterion A	

Frequency Band (MHz)	Field Strength (Vrms)	Cable	Injection Method	Performance Criterion	Result
0.15 ~ 80	3	AC Power	CDN-M316	A	PASS

**Performance Criterion:**

A : There was no change compared with initial operation during the test.

**8.8. POWER FREQUENCY MAGNETIC FIELD****8.8.1. TEST SPECIFICATION****EN55024**

<b>Basic Standard:</b>	EN 61000-4-8
<b>Frequency Range:</b>	50/60Hz
<b>Field Strength:</b>	1 A/m
<b>Observation Time:</b>	1 minute
<b>Inductance Coil:</b>	Square type, 1mx1m

**EN61000-6-1**

<b>Basic Standard:</b>	EN 61000-4-8
<b>Frequency Range:</b>	50/60Hz
<b>Field Strength:</b>	3 A/m
<b>Observation Time:</b>	1 minute
<b>Inductance Coil:</b>	Square type, 1mx1m

**8.8.2. TEST INSTRUMENT**

Power frequency magnetic field					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Induction Coil Interface	SCHAFFNER	INA2141	6004	05/20/2015	05/19/2016
PFMF	SCHAFFNER	INA702	200149-078SC	05/20/2015	05/19/2016
AC Power Source	SCHAFFNER	NSG 1007	54788	11/21/2014	11/20/2015
EMF Tester (Electromagnetic Field)	TES	TES-1390	120408340	12/11/2014	12/10/2015
Clamp meter	FLUKE	303	N/A	06/03/2015	06/02/2016
EMC Immunity Tester	EMC PARTNER	TRA2006	TRA2006_F-S-T-D-R-1503	03/03/2015	03/02/2016
Inductive Standard Coil	EMC PARTNER	MF1000-1	MF1000-1-1514	01/15/2015	01/14/2016

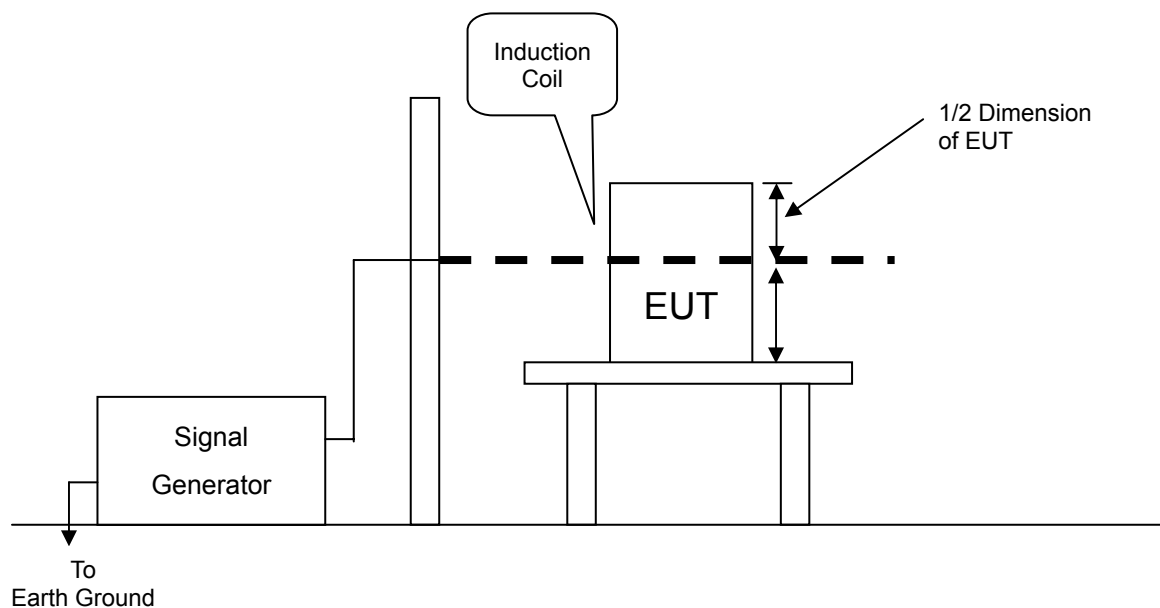
**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
 2. N.C.R = No Calibration Request.

### 8.8.3. TEST PROCEDURE

- a. The equipment is configured and connected to satisfy its functional requirements. It shall be placed on the GRP with the interposition of a 0.1m-thick insulating support.
- b. The equipment cabinets shall be connected to the safety earth directly on the GRP via the earth terminal of the EUT.
- c. The power supply, input and output circuits shall be connected to the sources of power supply, control and signal.
- d. The cables supplied or recommended by the equipment manufacturer shall be used. 1 meter of all cables used shall be exposed to the magnetic field.

#### 8.8.4. TEST SETUP

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.



**NOTE:**

## TABLETOP EQUIPMENT

The equipment shall be subjected to the test magnetic field by using the induction coil of standard dimension (1 m x 1 m). The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.

## FLOOR-STANDING EQUIPMENT

The equipment shall be subjected to the test magnetic field by using induction coils of suitable dimensions. The test shall be repeated by moving and shifting the induction coils, in order to test the whole volume of the EUT for each orthogonal direction. The test shall be repeated with the coil shifted to different positions along the side of the EUT, in steps corresponding to 50 % of the shortest side of the coil. The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.



**8.8.5. TEST RESULTS****EN55024**

Temperature	20°C	Humidity	47% RH
Pressure	1011mbar	Tested By	Wei.su
Required Passing Performance		Criterion A	

DIRECTION	Frequency (Hz)	Field Strength (A/m)	Performance Criterion	Result
X	50/60	1	A	Pass
Y	50/60	1	A	Pass
Z	50/60	1	A	Pass

**Performance Criterion :**

A : There was no change compared with initial operation during and after the test. No unintentional response was found during the test.

**EN61000-6-1**

Temperature	20°C	Humidity	47% RH
Pressure	1011mbar	Tested By	Wei.su
Required Passing Performance		Criterion A	

DIRECTION	Frequency (Hz)	Field Strength (A/m)	Performance Criterion	Result
X	50/60	3	A	Pass
Y	50/60	3	A	Pass
Z	50/60	3	A	Pass

**Performance Criterion :**

A : There was no change compared with initial operation during and after the test. No unintentional response was found during the test.

## 8.9. VOLTAGE DIPS & VOLTAGE INTERRUPTIONS

### 8.9.1. TEST SPECIFICATION

EN55024, EN61000-6-1, EN61204-3

Basic Standard:	EN 61000-4-11
Test duration time:	Minimum three test events in sequence
Interval between event:	Minimum 10 seconds
Phase Angle:	0° / 45° / 90° / 135° / 180° / 225° / 270° / 315° / 360°
Test cycle:	3 times

### 8.9.2. TEST INSTRUMENT

Voltage dips and interruption					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Coupling and Decoupling Network	TESEQ	CDN3061	1356	04/09/2015	04/08/2016
Manual Step transformer	TESEQ	INA6501	208	09/13/2014	09/12/2015
EMC Immunity Tester	EMC PARTNER	TRA2006	TRA2006_F-S-T-D-R-1503	03/03/2015	03/02/2016

**NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. N.C.R = No Calibration Request.

### 8.9.3. TEST PROCEDURE

a) The EUT and its load are placed on a wood table which is 0.8 meter above a metal ground plane measured 1m\*1m min. And 0.65mm thick min. And projected beyond the EUT by at least 0.1m on all sides. The power cord shall be used the shortest power cord as specified by the manufacturer.

b) For Voltage Dips/ Interruptions test:

The selection of test voltage is based on the rated power range. If the operation range is large than 20% of lower power range, both end of specified voltage shall be tested.

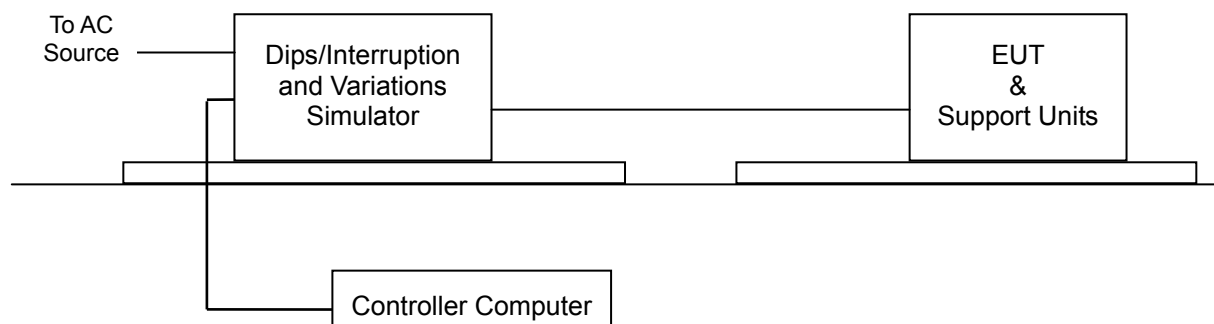
Otherwise, the typical voltage specification is selected as test voltage.

The EUT is connected to the power mains through a coupling device that directly couples to the Voltage Dips and Interruption Generator.

The EUT shall be tested for 30% voltage dip of supplied voltage and duration 25 Periods, for 95% voltage dip of supplied voltage and duration 0.5 Periods with a sequence of three voltage dips with intervals of 10 seconds, and for 95% voltage interruption of supplied voltage and duration 250 Periods with a sequence of three voltage interruptions with intervals of 10 seconds.

Voltage phase shifting are shall occur at 0°/45°/90°/135°/180°/225°/270°/315°/360° of the voltage.

c) Recording the test result in test record form.

**8.9.4. TEST SETUP**

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

**8.9.5. TEST RESULTS****EN 55024**

Temperature	21°C	Humidity	46% RH
Pressure	1015mbar	Tested By	Wei,su
Required Passing Performance	Criterion B: >95% reduction 0.5 period Criterion C: 30% reduction 25 period & >95% reduction 250 period		

Test Power: 100Vac, 50Hz				
Voltage (% Reduction)	Angle	Duration (Period)	Performance Criterion	Result
>95	0/45/90/135/180/225/270/315	0.5	A	PASS
30	0/45/90/135/180/225/270/315	25	A	PASS
>95	0/45/90/135/180/225/270/315	250	B	PASS

Test Power: 240Vac, 50Hz				
Voltage (% Reduction)	Angle	Duration (Period)	Performance Criterion	Result
>95	0/45/90/135/180/225/270/315	0.5	A	PASS
30	0/45/90/135/180/225/270/315	25	A	PASS
>95	0/45/90/135/180/225/270/315	250	B	PASS

**Performance Criterion :**

A : There was no change compared with initial operation during the test.

B : Performance degradation or loss of function part during the test, but can self-recover .

C : The function stopped during the test, but can be recoverable manually after the test.

## EN 61000-6-1

Temperature	21°C	Humidity	46% RH
Pressure	1015mbar	Tested By	Wei,su
Required Passing Performance	<b>Criterion B: &gt;95% reduction 0.5 period &amp;&gt;95% reduction 1period</b> <b>Criterion C:30% reduction 25 period &amp;&gt;95% reduction 250 period</b>		

Test Power: 100Vac, 50Hz				
Voltage (% Reduction)	Angle	Duration (Period)	Performance Criterion	Result
>95	0/45/90/135/180/225/270/315	0.5	A	PASS
30	0/45/90/135/180/225/270/315	25	A	PASS
>95	0/45/90/135/180/225/270/315	1	A	PASS
>95	0/45/90/135/180/225/270/315	250	B	PASS

Test Power: 240Vac, 50Hz				
Voltage (% Reduction)	Angle	Duration (Period)	Performance Criterion	Result
>95	0/45/90/135/180/225/270/315	0.5	A	PASS
30	0/45/90/135/180/225/270/315	25	A	PASS
>95	0/45/90/135/180/225/270/315	1	A	PASS
>95	0/45/90/135/180/225/270/315	250	B	PASS

**Performance Criterion :**

A : There was no change compared with initial operation during the test.

B : Performance degradation or loss of function part during the test, but can self-recover .

C : The function stopped during the test, but can be recoverable manually after the test.

**EN 61204-3**

Temperature	21°C	Humidity	46% RH
Pressure	1015mbar	Tested By	Wei,su
Required Passing Performance	<b>Criterion B: 30% reduction 0.5 period</b> <b>Criterion C: 60% reduction 5 period &amp; &gt;95% reduction 250 period</b>		

Test Power: 100Vac, 50Hz				
Voltage (% Reduction)	Angle	Duration (Period)	Performance Criterion	Result
30	0/45/90/135/180/225/270/315	0.5	A	PASS
60	0/45/90/135/180/225/270/315	5	A	PASS
>95	0/45/90/135/180/225/270/315	250	B	PASS

Test Power: 240Vac, 50Hz				
Voltage (% Reduction)	Angle	Duration (Period)	Performance Criterion	Result
30	0/45/90/135/180/225/270/315	0.5	A	PASS
60	0/45/90/135/180/225/270/315	5	A	PASS
>95	0/45/90/135/180/225/270/315	250	B	PASS

**Performance Criterion :**

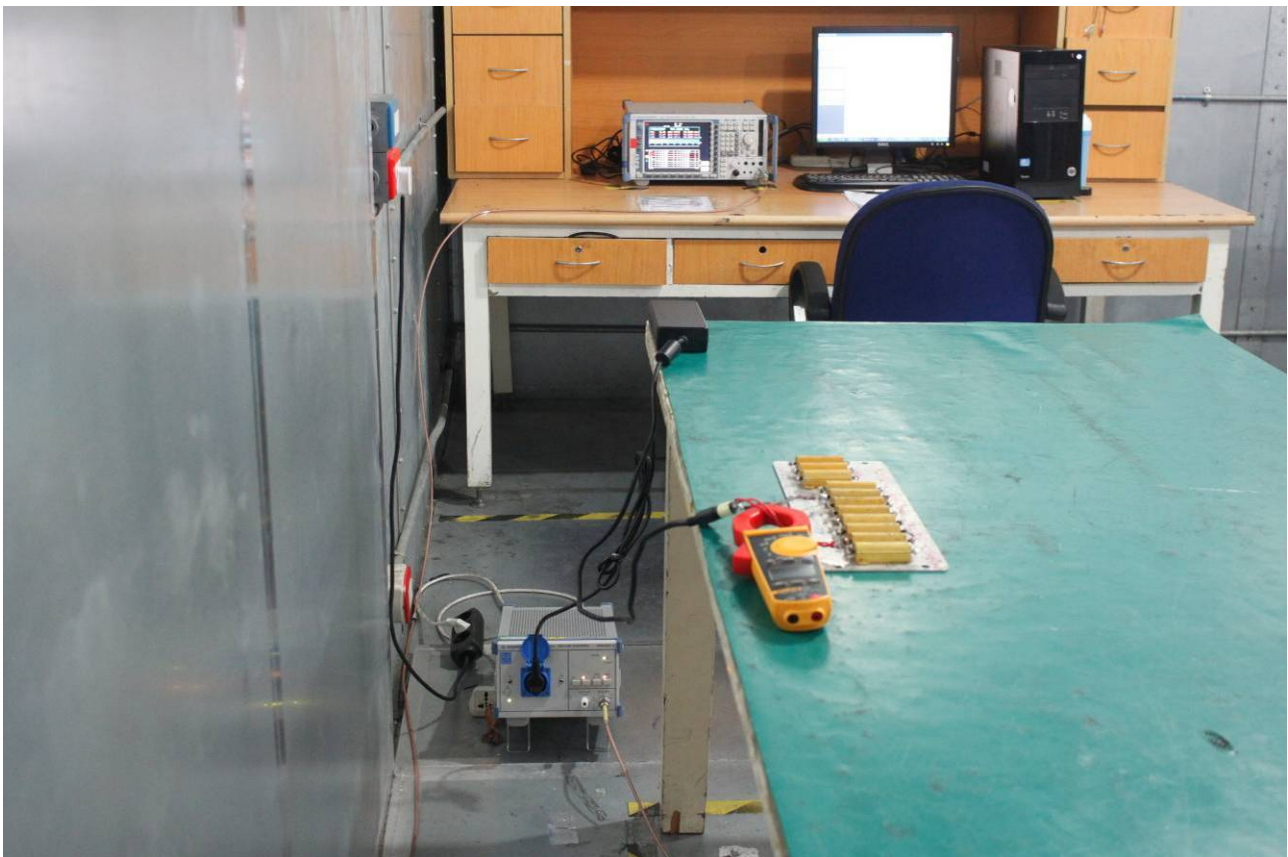
A : There was no change compared with initial operation during the test.

B : Performance degradation or loss of function part during the test, but can self-recover .

C : The function stopped during the test, but can be recoverable manually after the test.

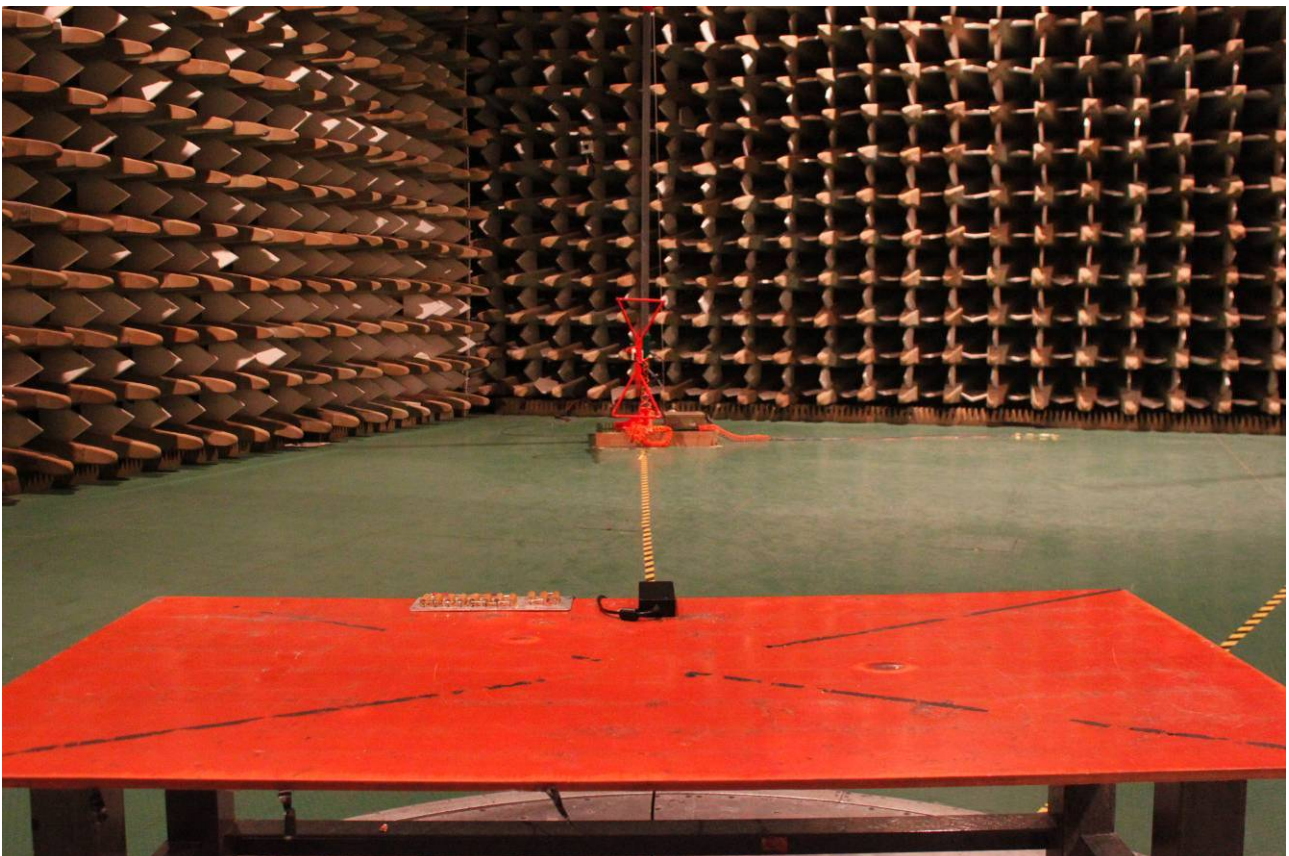
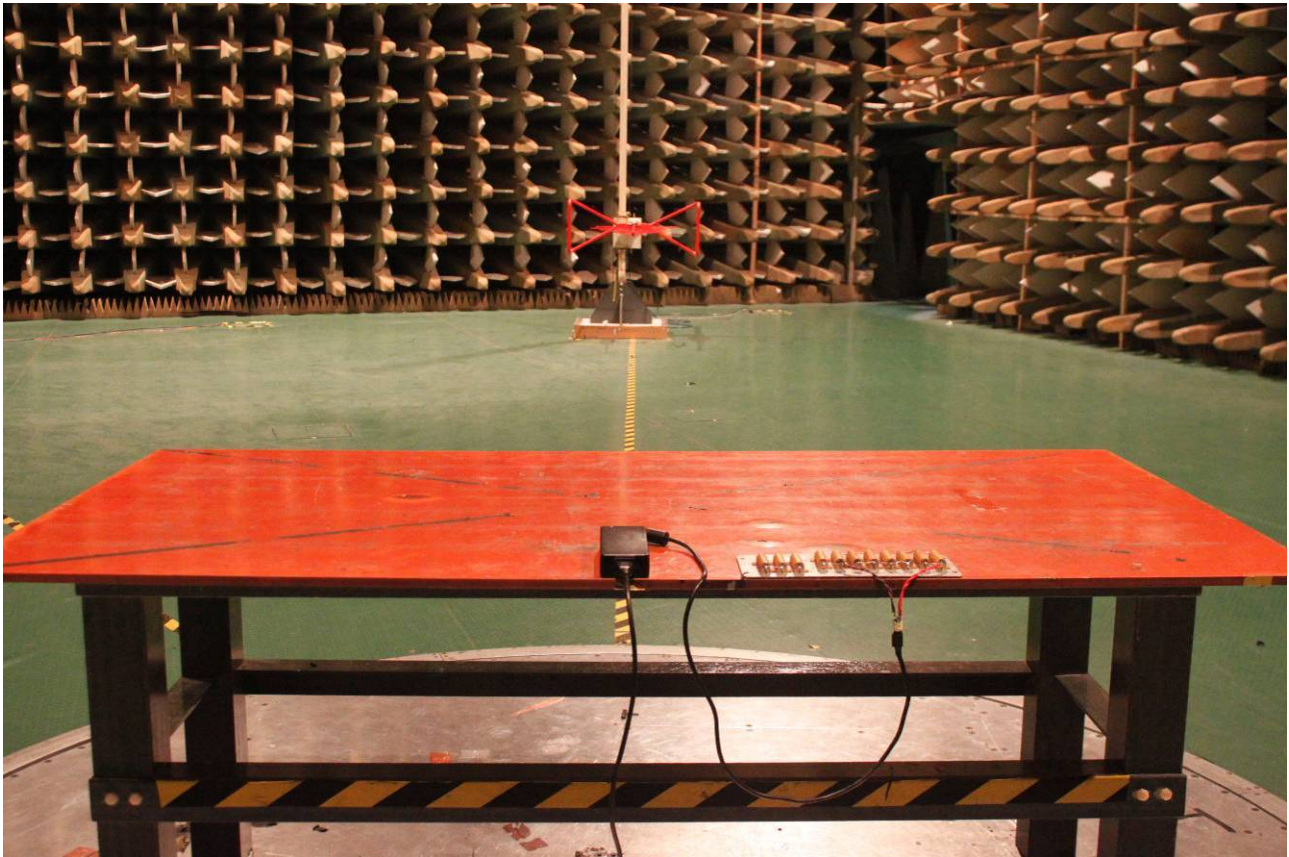
## 9 PHOTOGRAPHS OF THE TEST CONFIGURATION

### CONDUCTED EMISSION TEST



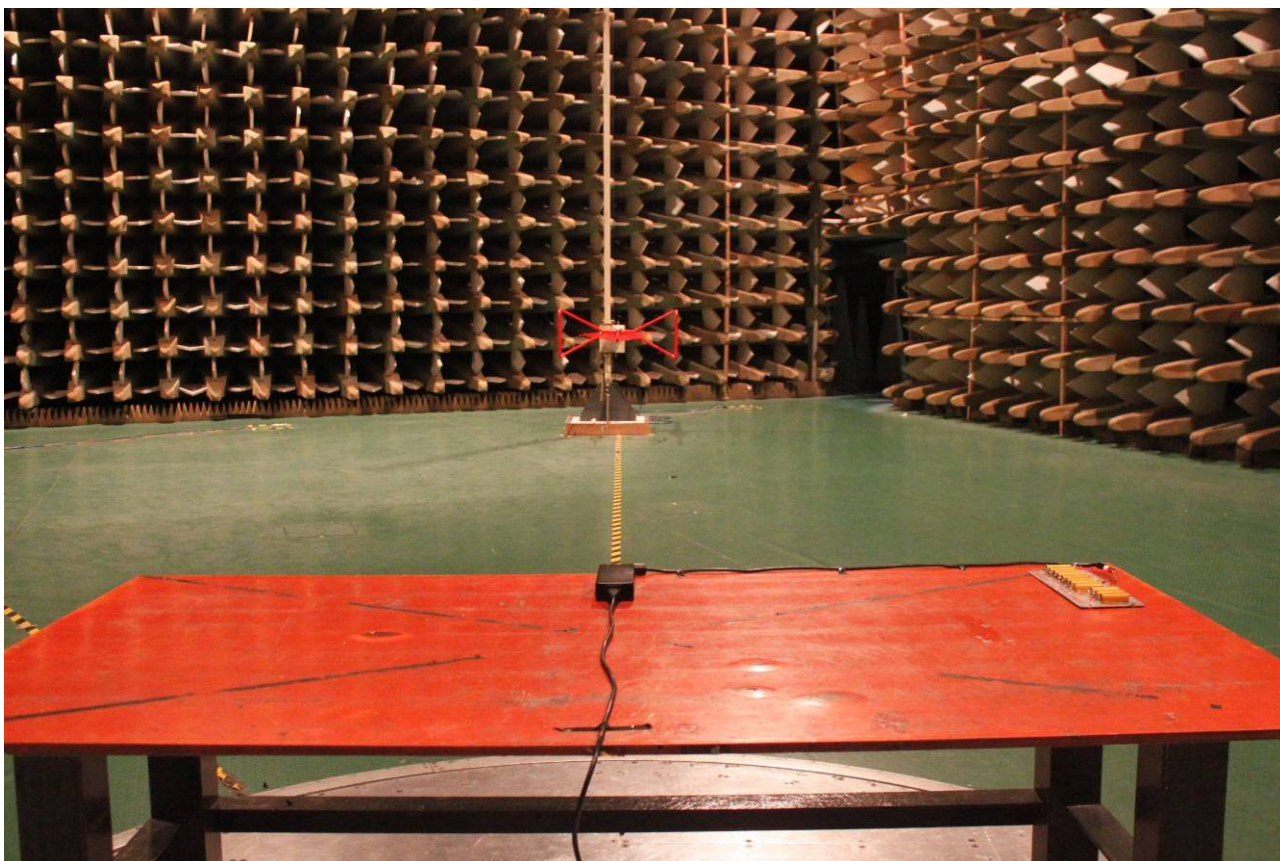
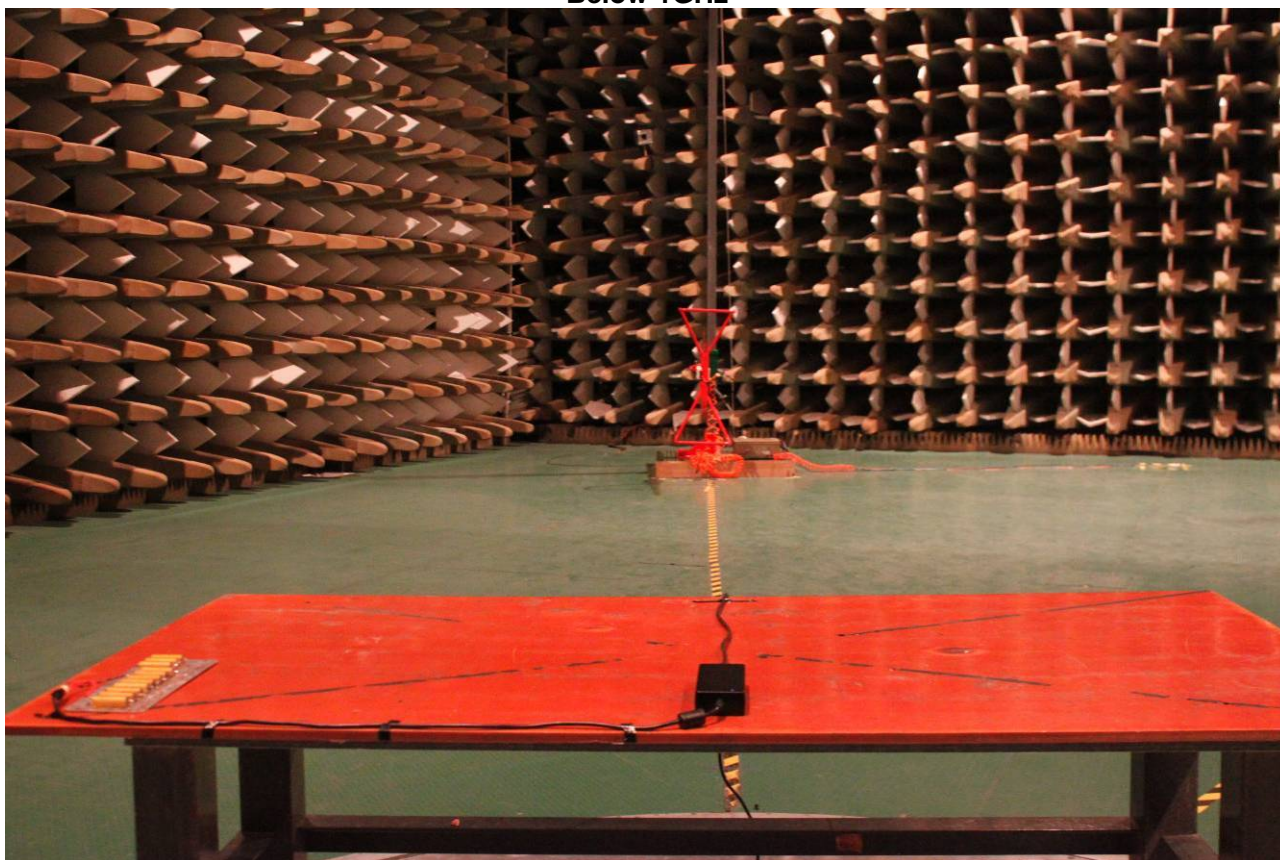


**RADIATED EMISSION TEST for EN55022  
Below 1GHz**





**RADIATED EMISSION TEST EN61204-3**  
**Below 1GHz**





**HARMONIC and FLICK TEST****ESD TEST**

## RS TEST



## EFT TEST





## SURGE TEST



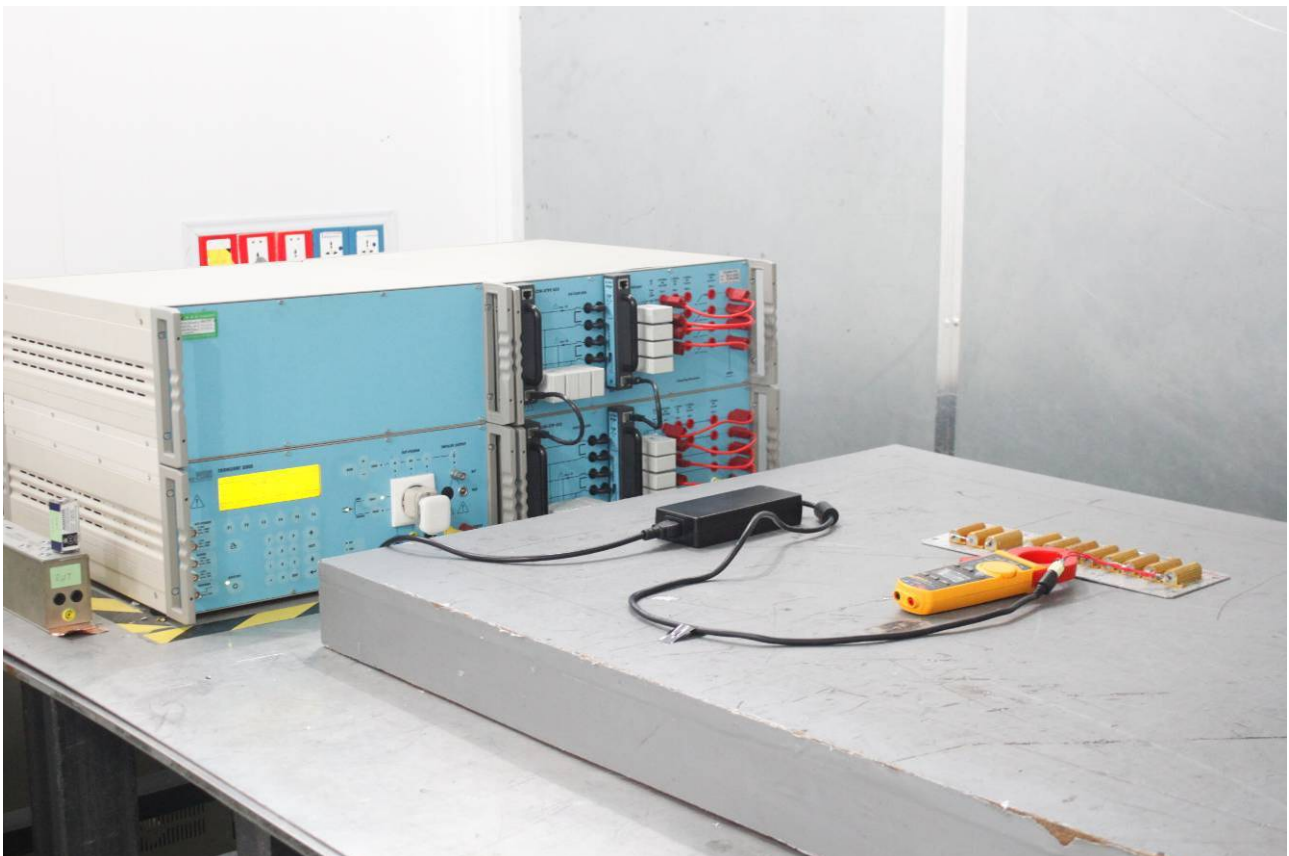
## CS TEST



## PFMF TEST

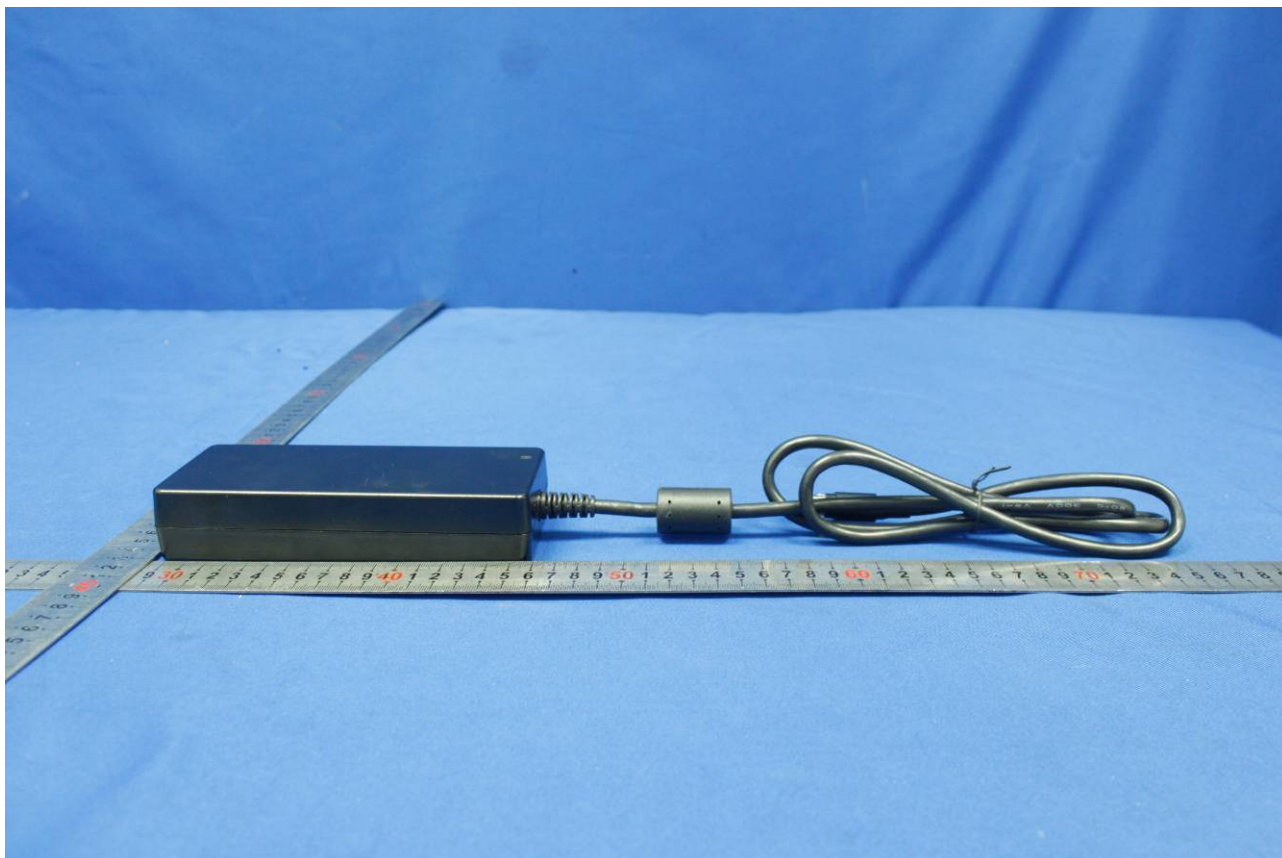
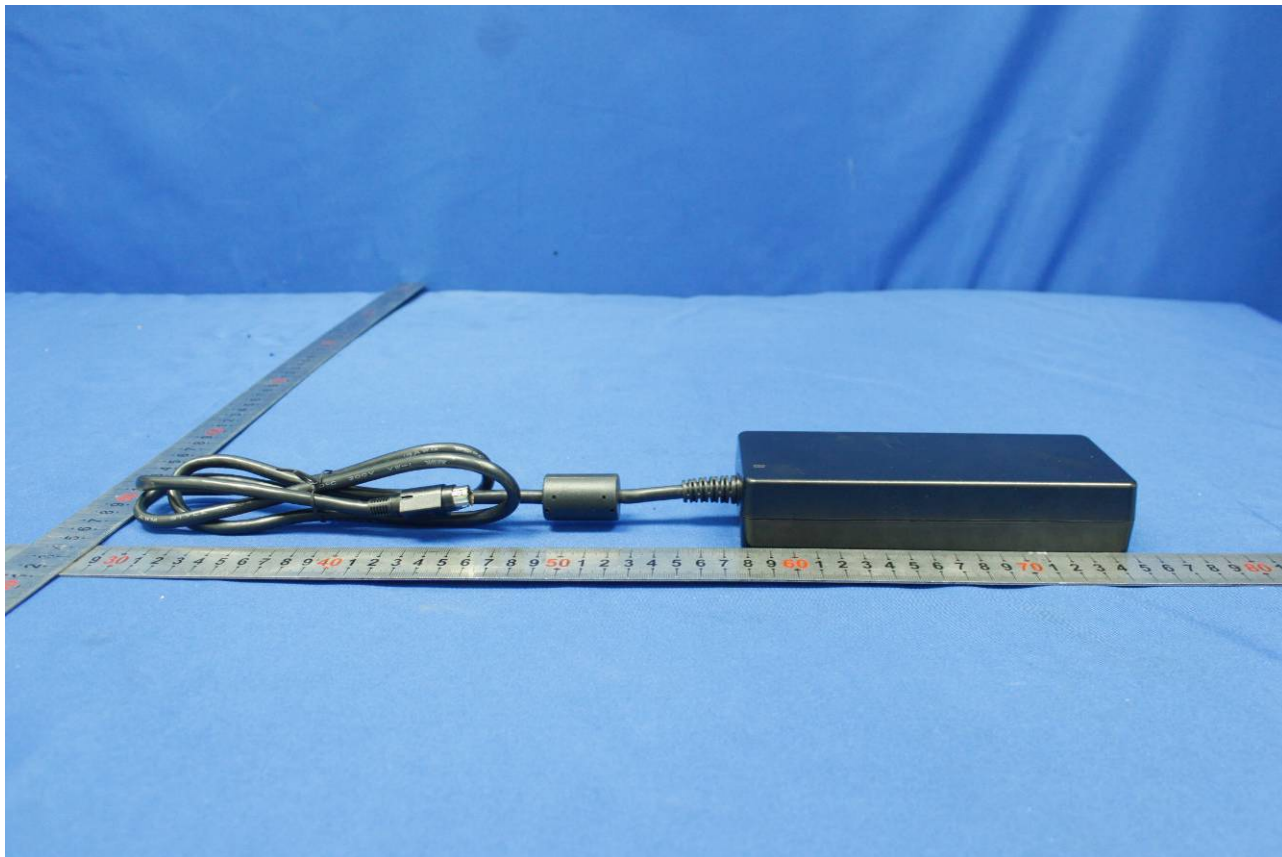


## VOLTAGE DIP TEST





## APPENDIX I - PHOTOGRAPHS OF EUT











## For GST160A12 Adapter



## For GST160A15 Adapter





## For GST160A20 Adapter



## For GST160A24 Adapter





## For GST160A48 Adapter



END OF REPORT