

Radio Test Report

Report No: STS2404116W02

Issued for

Litum bilgi teknolojileri san. Ve dis tic. A.S

Sevket Ozcelik sok. No29 Alsancak izmir Turkey

Product Name: Endurance Gateway

Brand Name: Litum

Model Name: 200

Series Model: N/A

FCC ID: 2AW7W-200

IC: 26820-200

Test Standard: Title 47 of the CFR, Part 15. Subpart F
RSS 220 Issue 1, amendment 1 July 2018

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST RESULT CERTIFICATION****Applicant's Name**: Litum bilgi teknolojileri san. Ve dis tic. A.S

Address: Sevket Ozcelik sok. No29 Alsancak izmir Turkey

Manufacture's Name: Litum bilgi teknolojileri san. Ve dis tic. A.S

Address: Sevket Ozcelik sok. No29 Alsancak izmir Turkey

Product Description

Product Name: Endurance Gateway

Brand Name: Litum

Model Name: 200

Series Model: N/A

Test Standards.....: Title 47 of the CFR, Part 15. Subpart F
RSS 220 Issue 1, amendment 1 July 2018
RSS-Gen Issue 5, Amendment 1, March 2019

Test Procedure: ANSI C63.10-2020

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC/IC requirements. And it is applicable only to the tested sample identified in the report.

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Date of Test:

Date of receipt of test item: 30 Nov. 2021

Date of performance of tests ..: 30 Nov. 2021 ~ 13 June 2024

Date of Issue: 13 June 2024

Test Result.....: **Pass**

Testing Engineer :

(Aaron Bu)

Technical Manager :

(Chris Chen)

Authorized Signatory :

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	22 Mar. 2022	STS2111181W04	ALL	Initial Issue
00	13 June 2024	STS2404116W02	ALL	Add two UWB frequency points: 3494.4MHz and 4492.8MHz.



1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15. Subpart F RSS 220 Issue 1, amendment 1 July 2018			
Standard Section	Test Item	Judgment	Remark
15.207 RSS-Gen (8.8)	AC Power Conducted Emission	Pass	
15.203 RSS-Gen (6.8)	Antenna Requirement	Pass	
15.209 15.517(c) RSS-220 (3.4) RSS-220 (5.2.1(d))	Radiated Spurious Emission	Pass	
15.209 15.517(d) RSS-220 (5.2.1(e))	Radiated Spurious Emission in GPS Band	Pass	
15.517(e) RSS-220 (5.2.1(g))	Peak Emissions within a 50MHz Bandwidth	Pass	
15.517(b) RSS-220 (2)	UWB Bandwidth	Pass	
RSS-Gen 6.7	99% Bandwidth	Pass	

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2020.

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.755\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.874\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 3.80\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 4.18\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 4.90\text{dB}$
6	All emissions, radiated >6G	$\pm 5.24\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.19\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.53\text{dB}$
9	Occupied Channel Bandwidth	$\pm 3.5\%$
10	Power Spectral Density, conducted	$\pm 1.245\text{dB}$
11	Duty Cycle	$\pm 3.2\%$

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name/PMN	Endurance Gateway								
Trade Name	Litum								
Model Name	200								
HVIN	200A								
Product Description	Endurance Gateway is a FCC Part 15.517 indoor UWB systems. <table border="1"> <tr> <td>Operation Frequency:</td><td>6489.6MHz, 3494.4MHz, 4492.8MHz</td></tr> <tr> <td>Modulation Type:</td><td>BPM with BPSK</td></tr> <tr> <td>Antenna Designation:</td><td>Please refer to the Note 3.</td></tr> <tr> <td>Antenna Gain(Peak):</td><td>PCB antenna</td></tr> </table> Based on the application, features, or specification exhibited in User Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User Manual.	Operation Frequency:	6489.6MHz, 3494.4MHz, 4492.8MHz	Modulation Type:	BPM with BPSK	Antenna Designation:	Please refer to the Note 3.	Antenna Gain(Peak):	PCB antenna
Operation Frequency:	6489.6MHz, 3494.4MHz, 4492.8MHz								
Modulation Type:	BPM with BPSK								
Antenna Designation:	Please refer to the Note 3.								
Antenna Gain(Peak):	PCB antenna								
Channel List	Please refer to the Note 2.								
Rating	110-240V AC or 12-24V DC or PoE								
Battery	Rated Voltage: DC 3.7 V Charge Limit Voltage: DC 4.25 V Capacity: 2200 mAh								
Hardware version number	LT020104								
Software version number/FVIN	LT_02_01_RTLS_1002020B_DEV								
Serial Numbers	2000710210002								
Connecting I/O Port(s)	Please refer to the Note 1.								

Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.

- | Test channel | Frequency(MHz) | Test channel | Frequency(MHz) |
|--------------|----------------|--------------|----------------|
| 1 | 3494.4 | 2 | 4492.8 |
| 3 | 6489.6 | - | - |

- Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	Litum	200	PCB	N/A	3.3	Antenna

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.

2.2 DESCRIPTION OF THE TEST MODES

For Radiated spurious emissions

Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

Pretest Mode	Description	Modulation
Mode 1	TX	BPSK

Note:

(1) All above mode have been measurement, only worst data was reported.

(2) We have be tested for all avaiaible U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V,50/60Hz is shown in the report.

(3) Test model of 2000000003 and 2000000004 all has been tested, only shown the worst case of the test model 2000000003.

For AC Conducted Emission

Test Case	
AC Conducted Emission	Mode 2 : Keeping TX

2.3 TEST SOFTWARE AND POWER LEVEL

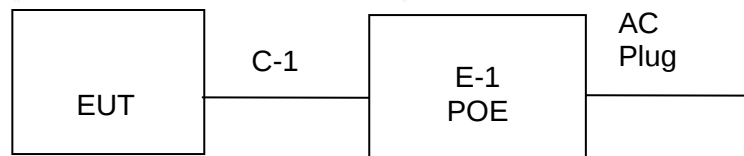
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

RF Function	Type	Mode Or Modulation type	Ant Gain(dBi)	Power Class	Software For Testing
UWB	6849.6MHz	BPSK	3.3	Default	"The Transmitter EUT has signal transmission when it is powered on The Receiver EUT enter the receiving state when it is powered on"
	3494.4MHz	BPM with BPSK			The EUT has signal transmission when it is powered on
	4492.8MHz				

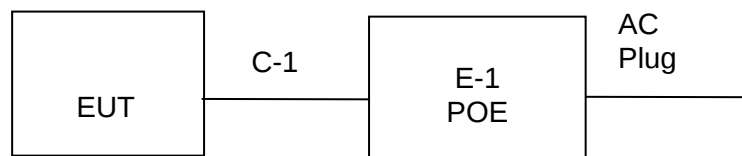
2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters.

Radiated Spurious Emission Test



Conducted Emission Test



2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND 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.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
N/A	N/A	N/A	N/A	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note
	POE	N/A	N/A	N/A	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

RF Radiation Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
Temperature & Humidity	SW-108	SuWei	N/A	2024.03.15	2025.03.14
Pre-Amplifier(0.1M-3GHz)	EM	EM330	060665	2024.02.23	2025.02.22
Pre-Amplifier(1G-18GHz)	SKET	LNPA-01018G-45	SK2018080901	2023.09.26	2024.09.25
Pre-Amplifier(18G-40GHz)	SKET	LNPA_1840-50	SK2018101801	2024.02.23	2025.02.22
Active loop Antenna	ZHINAN	ZN30900C	16035	2023.02.28	2025.02.27
Bilog Antenna	TESEQ	CBL6111D	34678	2022.09.30	2024.09.29
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	2023.09.24	2025.09.23
Horn Antenna	A-INFOMW	LB-180400-KF	J211020657	2023.10.10	2025.10.09
Positioning Controller	MF	MF-7802	MF-780208587	N/A	N/A
Signal Analyzer	R&S	FSV 40-N	101823	2023.09.26	2024.09.25
Switch Control Box	N/A	N/A	N/A	N/A	N/A
Filter Box	BALUN Technology	SU319E	BL-SZ1530051	N/A	N/A
Antenna Mast	MF	MFA-440H	N/A	N/A	N/A
Turn Table	MF	SC100_1	60531	N/A	N/A
AC Power Source	APC	KDF-11010G	F214050035	N/A	N/A
DC power supply	HONGSHENGFENG	DPS-305AF	17064939	2023.09.26	2024.09.25
Test SW	EZ-EMC	Ver.STSLAB-03A1 RE			
RF Connected Test					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Analyzer	Agilent	N9020A	MY51510623	2024.02.23	2025.02.22
Power Sensor	Keysight	U2021XA	MY55520005	2023.09.26	2024.09.25
Temperature & Humidity	SW-108	SuWei	N/A	2024.03.15	2025.03.14
Test SW	MW	MTS 8310 2.0.0.0			

3. EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

Operating frequency band. In case the emission fall within the restricted band specified on Part 15.207&RSS-Gen (8.8) limit in the table below has to be followed.

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

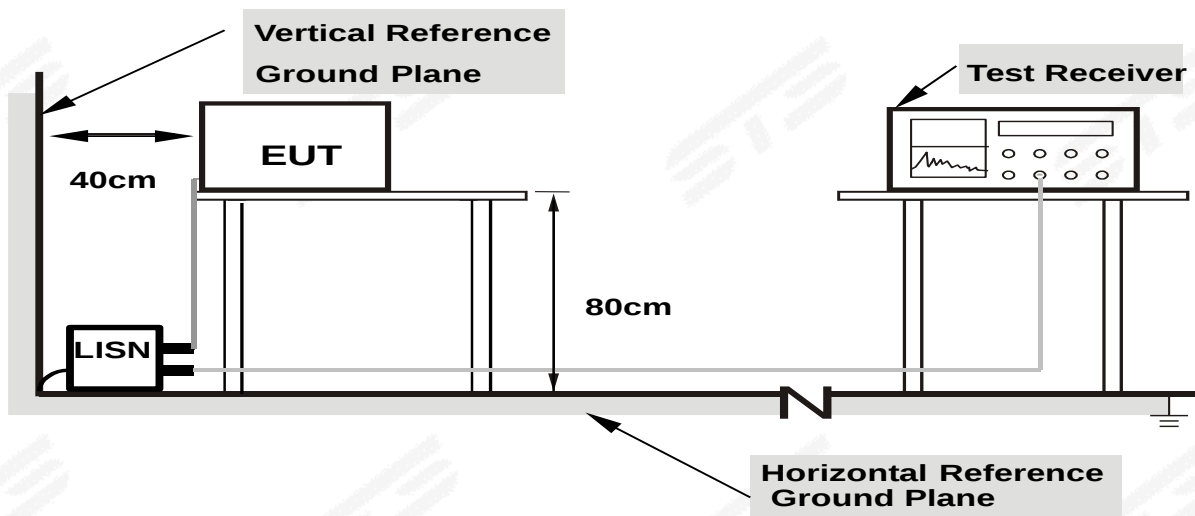
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

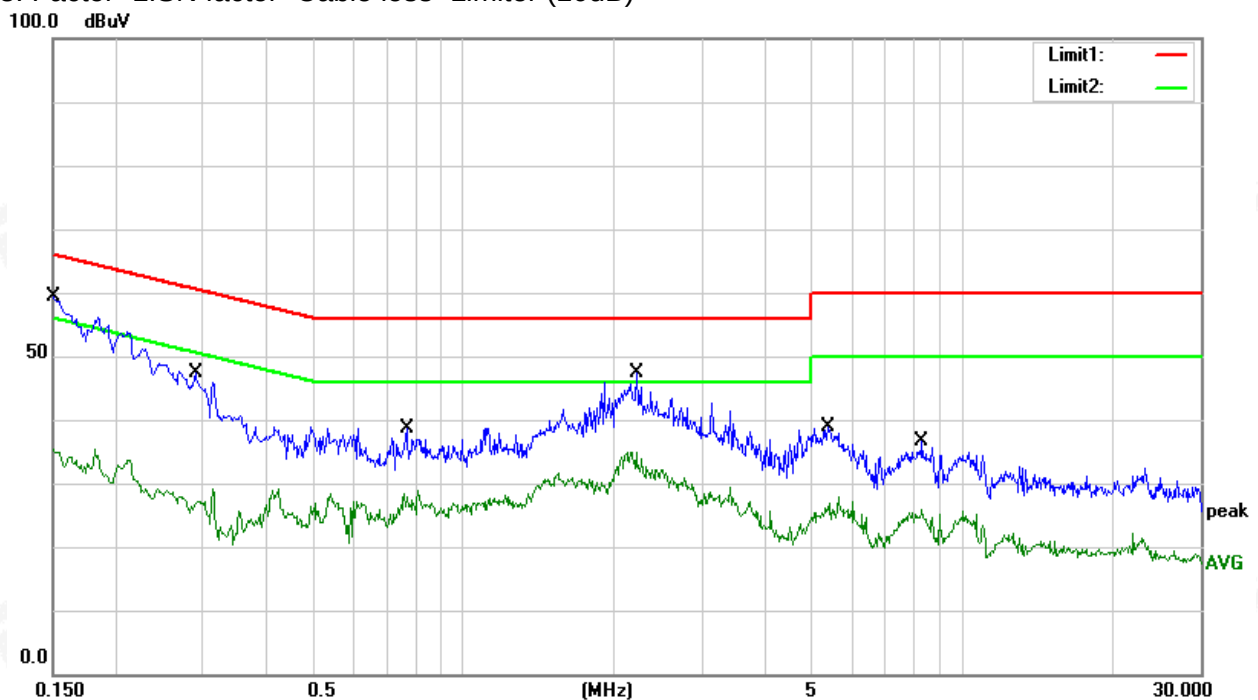
3.1.5 TEST RESULT

Temperature:	25.1(C)	Relative Humidity:	59%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 2		
Describe:	3494.4MHz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	39.58	19.74	59.32	66.00	-6.68	QP
2	0.1500	15.55	19.74	35.29	56.00	-20.71	AVG
3	0.2900	27.13	20.22	47.35	60.52	-13.17	QP
4	0.2900	8.94	20.22	29.16	50.52	-21.36	AVG
5	0.7700	18.80	19.82	38.62	56.00	-17.38	QP
6	0.7700	8.97	19.82	28.79	46.00	-17.21	AVG
7	2.2340	27.56	19.89	47.45	56.00	-8.55	QP
8	2.2340	15.06	19.89	34.95	46.00	-11.05	AVG
9	5.3780	19.00	19.86	38.86	60.00	-21.14	QP
10	5.3780	8.04	19.86	27.90	50.00	-22.10	AVG
11	8.3060	16.67	19.92	36.59	60.00	-23.41	QP
12	8.3060	5.98	19.92	25.90	50.00	-24.10	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)

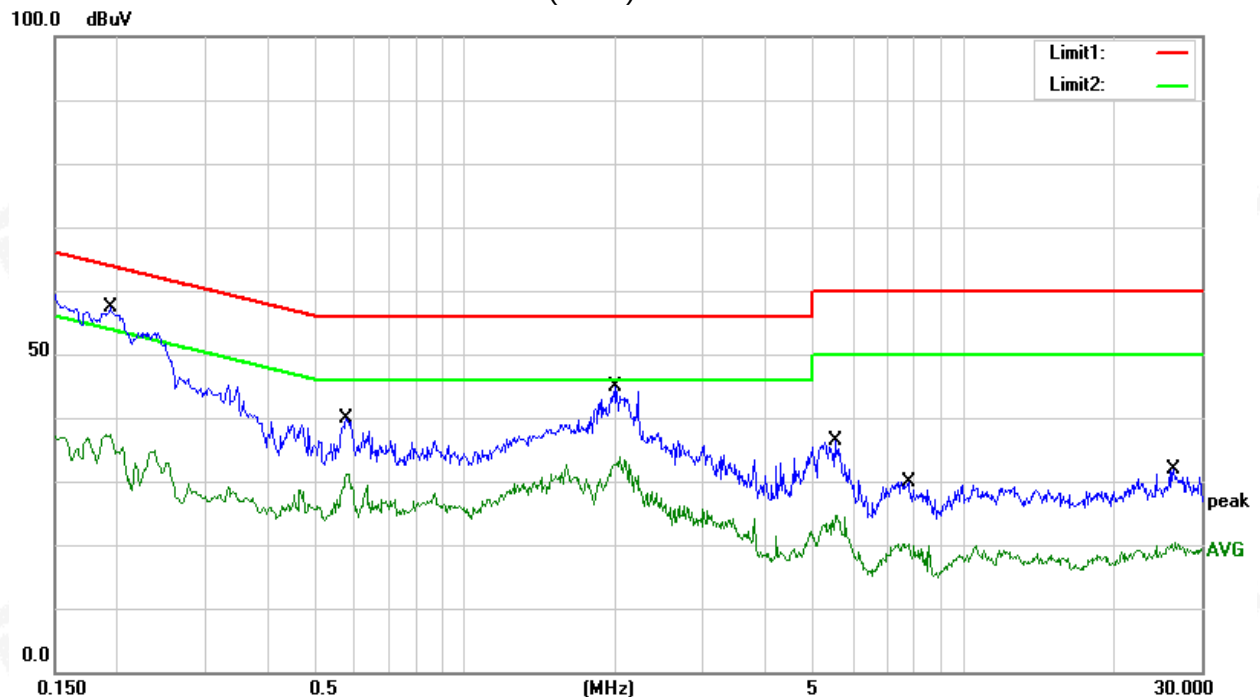


Temperature:	25.1(C)	Relative Humidity:	59%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 2		
Describe:	3494.4MHz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1940	37.48	19.85	57.33	63.86	-6.53	QP
2	0.1940	17.62	19.85	37.47	53.86	-16.39	AVG
3	0.5780	19.88	19.91	39.79	56.00	-16.21	QP
4	0.5780	11.32	19.91	31.23	46.00	-14.77	AVG
5	2.0060	25.01	19.88	44.89	56.00	-11.11	QP
6	2.0060	14.06	19.88	33.94	46.00	-12.06	AVG
7	5.5140	16.45	19.86	36.31	60.00	-23.69	QP
8	5.5140	4.84	19.86	24.70	50.00	-25.30	AVG
9	7.7460	10.01	19.89	29.90	60.00	-30.10	QP
10	7.7460	0.24	19.89	20.13	50.00	-29.87	AVG
11	26.3500	11.56	20.30	31.86	60.00	-28.14	QP
12	26.3500	0.13	20.30	20.43	50.00	-29.57	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)

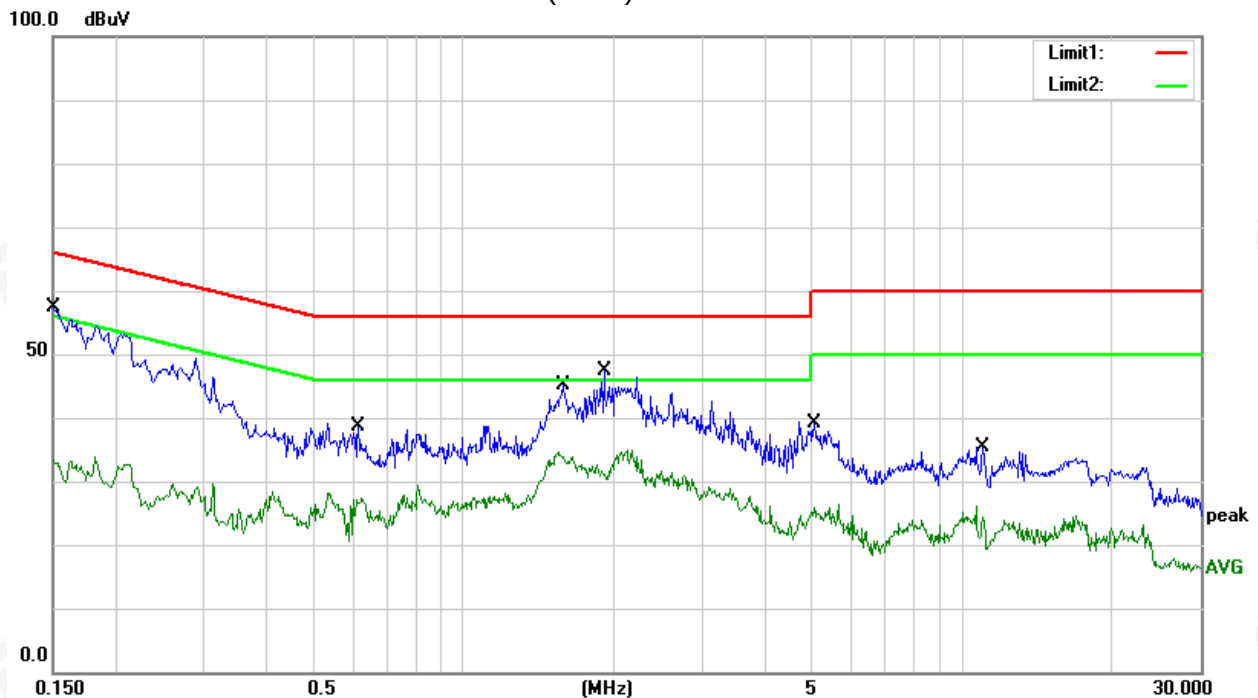


Temperature:	25.1(C)	Relative Humidity:	59%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 2		
Describe:	4492.8MHz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	37.58	19.74	57.32	66.00	-8.68	QP
2	0.1500	13.51	19.74	33.25	56.00	-22.75	AVG
3	0.6140	18.83	19.89	38.72	56.00	-17.28	QP
4	0.6140	8.27	19.89	28.16	46.00	-17.84	AVG
5	1.5820	25.30	19.83	45.13	56.00	-10.87	QP
6	1.5820	14.69	19.83	34.52	46.00	-11.48	AVG
7	1.9180	27.40	19.87	47.27	56.00	-8.73	QP
8	1.9180	14.90	19.87	34.77	46.00	-11.23	AVG
9	5.0500	19.25	19.89	39.14	60.00	-20.86	QP
10	5.0500	6.51	19.89	26.40	50.00	-23.60	AVG
11	10.9900	15.38	20.04	35.42	60.00	-24.58	QP
12	10.9900	6.07	20.04	26.11	50.00	-23.89	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)

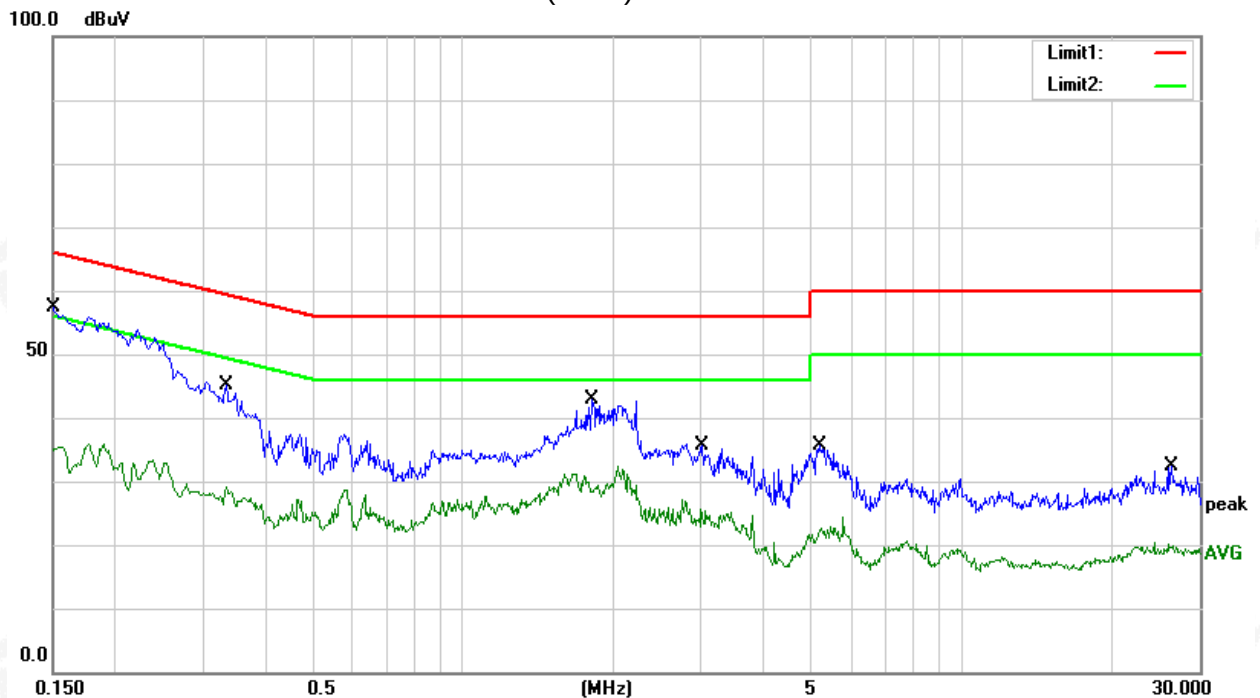


Temperature:	25.1(C)	Relative Humidity:	59%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 2		
Describe:	4492.8MHz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	37.60	19.74	57.34	66.00	-8.66	QP
2	0.1500	16.12	19.74	35.86	56.00	-20.14	AVG
3	0.3340	24.86	20.19	45.05	59.35	-14.30	QP
4	0.3340	8.88	20.19	29.07	49.35	-20.28	AVG
5	1.8100	22.97	19.86	42.83	56.00	-13.17	QP
6	1.8100	12.58	19.86	32.44	46.00	-13.56	AVG
7	3.0140	15.79	19.93	35.72	56.00	-20.28	QP
8	3.0140	7.26	19.93	27.19	46.00	-18.81	AVG
9	5.1860	15.71	19.88	35.59	60.00	-24.41	QP
10	5.1860	4.59	19.88	24.47	50.00	-25.53	AVG
11	26.3500	12.06	20.30	32.36	60.00	-27.64	QP
12	26.3500	0.08	20.30	20.38	50.00	-29.62	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)



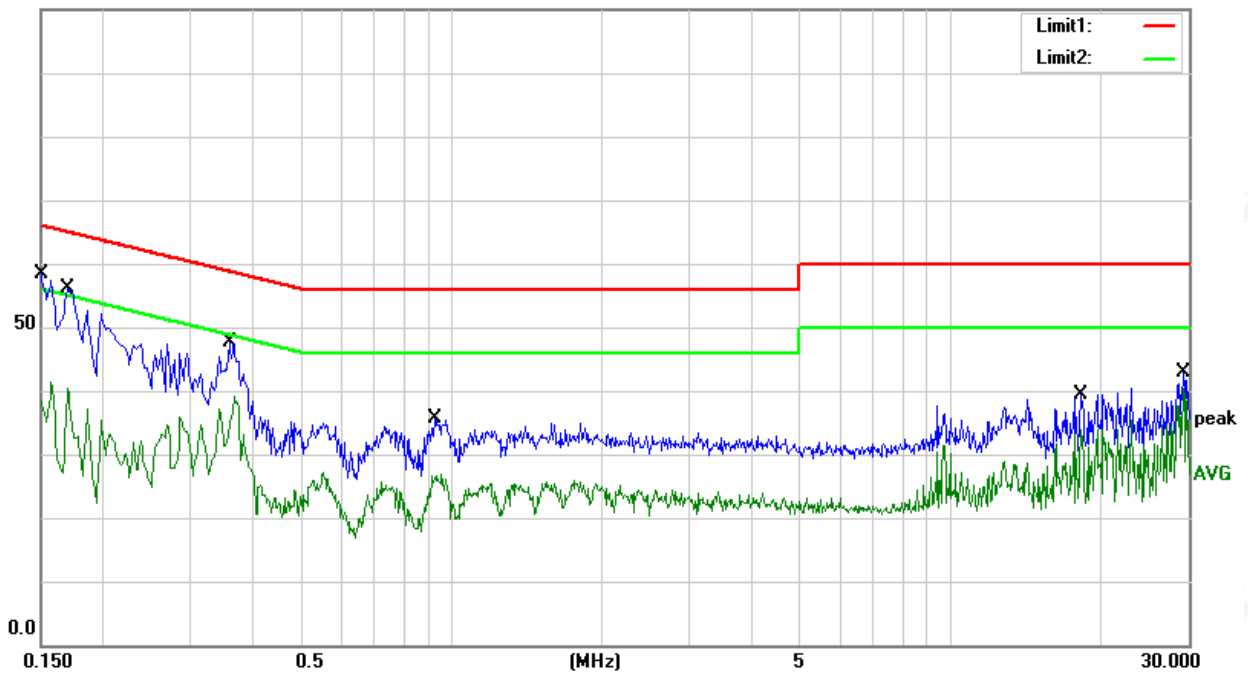
Temperature:	24.4(C)	Relative Humidity:	39%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 2		
Describe:	6849.6MHz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	38.03	20.33	58.36	66.00	-7.64	QP
2	0.1500	21.11	20.33	41.44	56.00	-14.56	AVG
3	0.1700	35.78	20.33	56.11	64.96	-8.85	QP
4	0.1700	17.69	20.33	38.02	54.96	-16.94	AVG
5	0.3580	26.93	20.63	47.56	58.77	-11.21	QP
6	0.3580	18.48	20.63	39.11	48.77	-9.66	AVG
7	0.9260	15.19	20.31	35.50	56.00	-20.50	QP
8	0.9260	6.64	20.31	26.95	46.00	-19.05	AVG
9	18.2420	16.89	22.49	39.38	60.00	-20.62	QP
10	18.2420	11.30	22.49	33.79	50.00	-16.21	AVG
11	29.2460	19.95	22.89	42.84	60.00	-17.16	QP
12	29.2460	17.59	22.89	40.48	50.00	-9.52	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)

100.0 dBuV



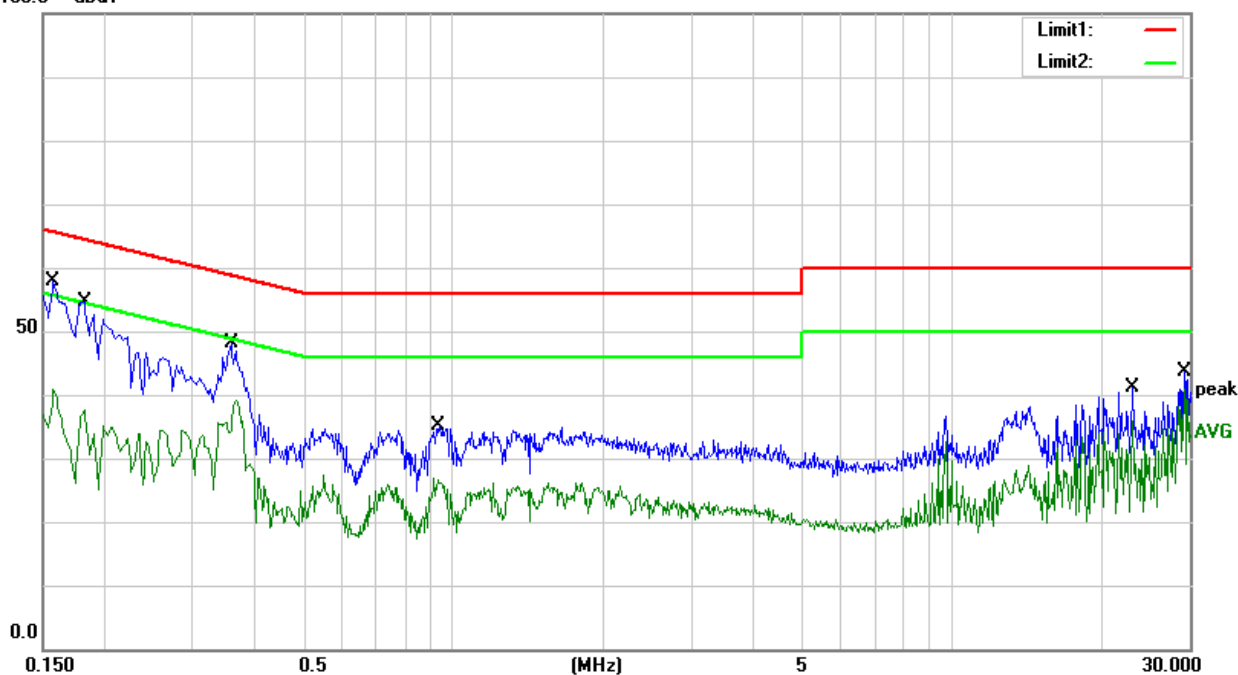
Temperature:	24.4(C)	Relative Humidity:	39%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 2		
Describe:	6849.6MHz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1580	37.60	20.33	57.93	65.57	-7.64	QP
2	0.1580	20.58	20.33	40.91	55.57	-14.66	AVG
3	0.1820	34.39	20.31	54.70	64.39	-9.69	QP
4	0.1820	17.25	20.31	37.56	54.39	-16.83	AVG
5	0.3580	27.53	20.63	48.16	58.77	-10.61	QP
6	0.3580	18.60	20.63	39.23	48.77	-9.54	AVG
7	0.9420	14.93	20.31	35.24	56.00	-20.76	QP
8	0.9420	6.44	20.31	26.75	46.00	-19.25	AVG
9	23.1300	18.30	22.71	41.01	60.00	-18.99	QP
10	23.1300	13.19	22.71	35.90	50.00	-14.10	AVG
11	29.2420	20.75	22.89	43.64	60.00	-16.36	QP
12	29.2420	17.97	22.89	40.86	50.00	-9.14	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result =Reading + Factor)–Limit
3. Factor=LISN factor+Cable loss+Limiter (10dB)

100.0 dBuV



3.2 RADIATED EMISSION MEASUREMENT (FOR 15.517(c)&RSS 220 5.2.1(d))

3.2.1 RADIATED EMISSION LIMITS

The radiated emissions at or below 960MHz from a device operating under the provisions of this section shall not exceed the emission levels in Section 15.209&RSS 220(3.4).

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3

Note: 1. The lower limit shall apply at the transition frequencies.

2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

For FCC:

The radiated emissions above 960MHz from a device operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of 1MHz:

Frequency of Emission (MHz)	EIRP (dBm)	Field Strength (dBuV/m@3m)	Field Strength (dBuV/m@1m)
960~1610	-75.3	19.9	29.44
1610~1990	-53.3	41.9	51.44
1990~3100	-51.3	43.9	53.44
3100~10600	-41.3	53.9	63.44
Above 10600	-51.3	43.9	53.44

Notes: 1. Transfer rules follow 15.521(g),15.31(f)(1).

2. 15.521(c) Emissions from digital circuitry used to enable the operation of the UWB transmitter shall comply with the limits in Section 15.209 of this chapter, rather than the limits specified in this subpart.

3. $E(\text{dBuV/m})@3\text{m} = P(\text{dBm EIRP}) + 95.2$;

$E(\text{dBuV/m})@1\text{m} = E(\text{dBuV/m})@3\text{m} + 20 \cdot \log(3/1)$

For IC:

The radiated emissions above 960MHz from a device operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of 1MHz:

Frequency of Emission (MHz)	EIRP (dBm)	Field Strength (dBuV/m@3m)	Field Strength (dBuV/m@1m)
960~1610	-75.3	19.9	29.44
1610~4750	-70.0	25.2	34.74
4750~10600	-41.3	53.9	63.44
Above 10600	-51.3	43.9	53.44

Notes: 1. Transfer rules follow section 2 of the RSS 220 Annex.

2. The Emissions from digital circuitry used to enable the operation of the UWB transmitter shall comply with the limits in Section RSS 220(3.4) of this chapter, rather than the limits specified in this subpart.

3. $E(\text{dBuV/m})@3\text{m} = P(\text{dBm EIRP}) + 95.2$;

$E(\text{dBuV/m})@1\text{m} = E(\text{dBuV/m})@3\text{m} + 20 \cdot \log(3/1)$

Spectrum Parameter	Setting
Detector	RMS
Attenuation	Auto
Start Frequency	960 MHz
Stop Frequency	10th of the highest fundamental frequency or to 40 GHz, whichever is lower
RB	1MHz
VB	3MHz
Sweep Point	1001
SweepTime	1s

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
	90kHz~110kHz / RB 200Hz for QP
	110kHz~490kHz / RB 200Hz for PK & AV
	490kHz~30MHz / RB 9kHz for QP
	30MHz~960MHz / RB 120kHz for QP



3.2.2 TEST PROCEDURE

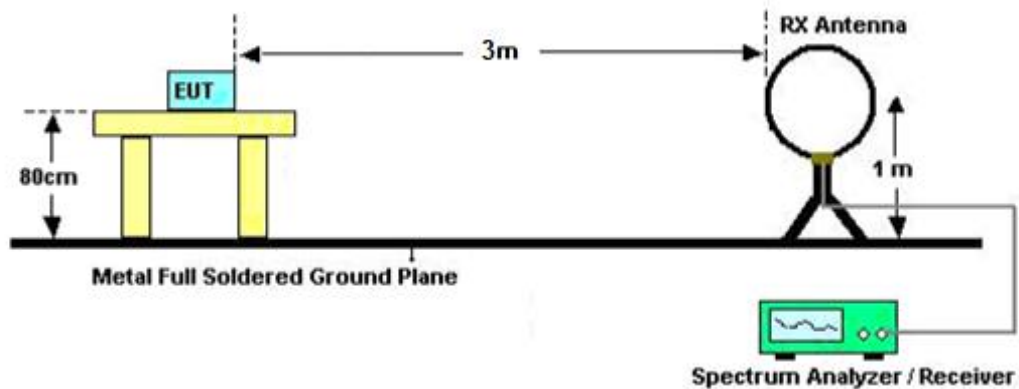
- a. The measuring distance of 1m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter (above 1GHz is 1.5 m) above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The height of the test antenna shall vary between 1m to 4m. Both horizontal and vertical polarization of the antenna are set to make the measurement.
- c. The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- d. All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform (Below 960MHz)
- e. All readings are RMS mode value, for each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. (Above 960MHz)
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.3 DEVIATION FROM TEST STANDARD

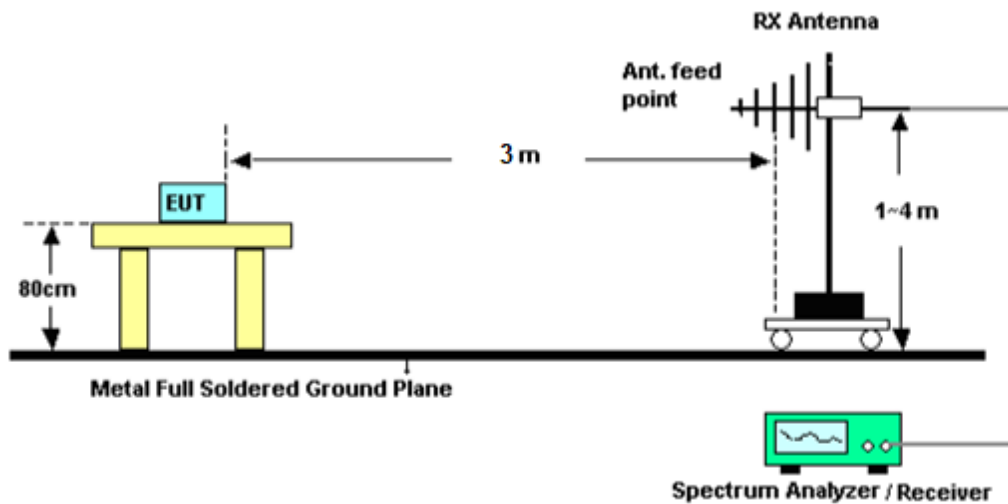
No deviation

3.2.4 TEST SETUP

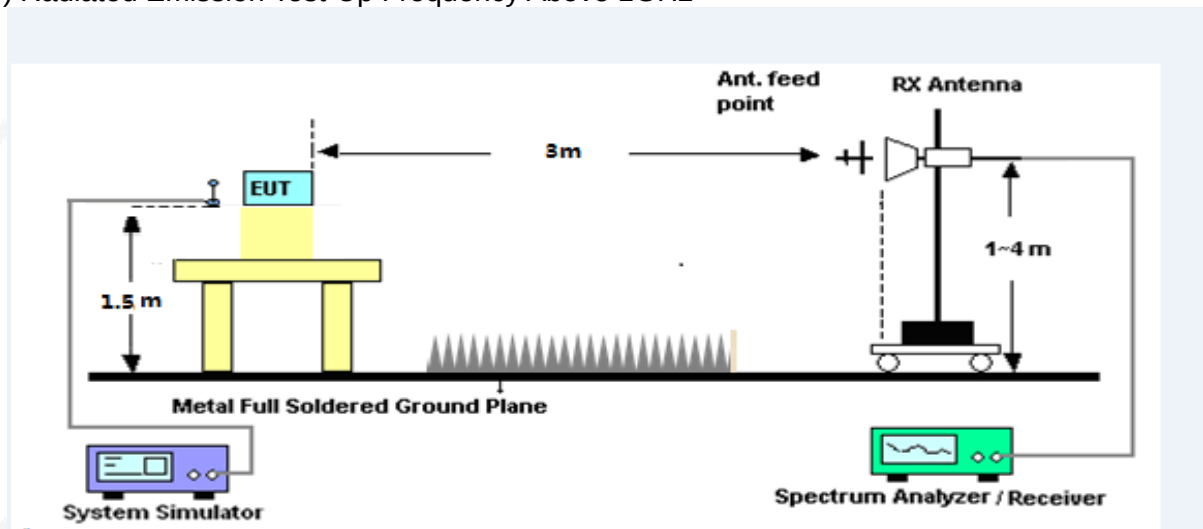
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

Margin=PL-PK L or AL- AV L; Margin only shown the worst case.

Where

PR = Peak Reading

AR = Average Reading

PL = Peak Level

AL = Average Level

AF = Antenna Factor

PK L = Peak Limit

AV L = AV Limit

For example

Frequency	PR	AR	AF	PL	AL	PK L	AV L	Margin
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV/m)	(dBμV/m)	(dBμV/m)	(dB)
2178	40.23	30.31	9.83	50.06	40.14	74.00	54.00	-13.86

3.2.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.7 TEST RESULTS

Below 30MHz

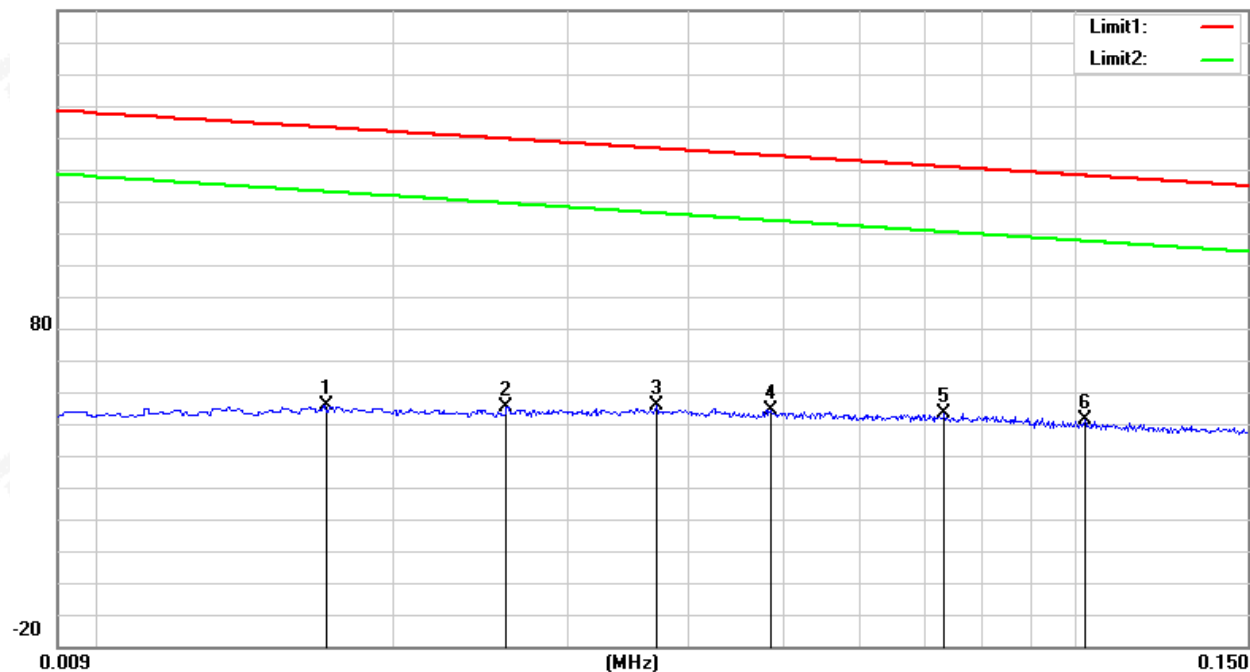
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Test Mode:	CH 1(9KHz - 150KHz)
Test distance:	3m		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0170	35.84	19.88	55.72	123.16	-67.44	AVG
2	0.0260	35.03	19.98	55.01	119.58	-64.57	AVG
3	0.0371	35.95	19.76	55.71	116.58	-60.87	AVG
4	0.0485	34.62	19.53	54.15	114.32	-60.17	AVG
5	0.0732	34.43	18.85	53.28	110.85	-57.57	AVG
6	0.1022	33.48	17.60	51.08	108.04	-56.96	AVG

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

180.0 dBuV/m



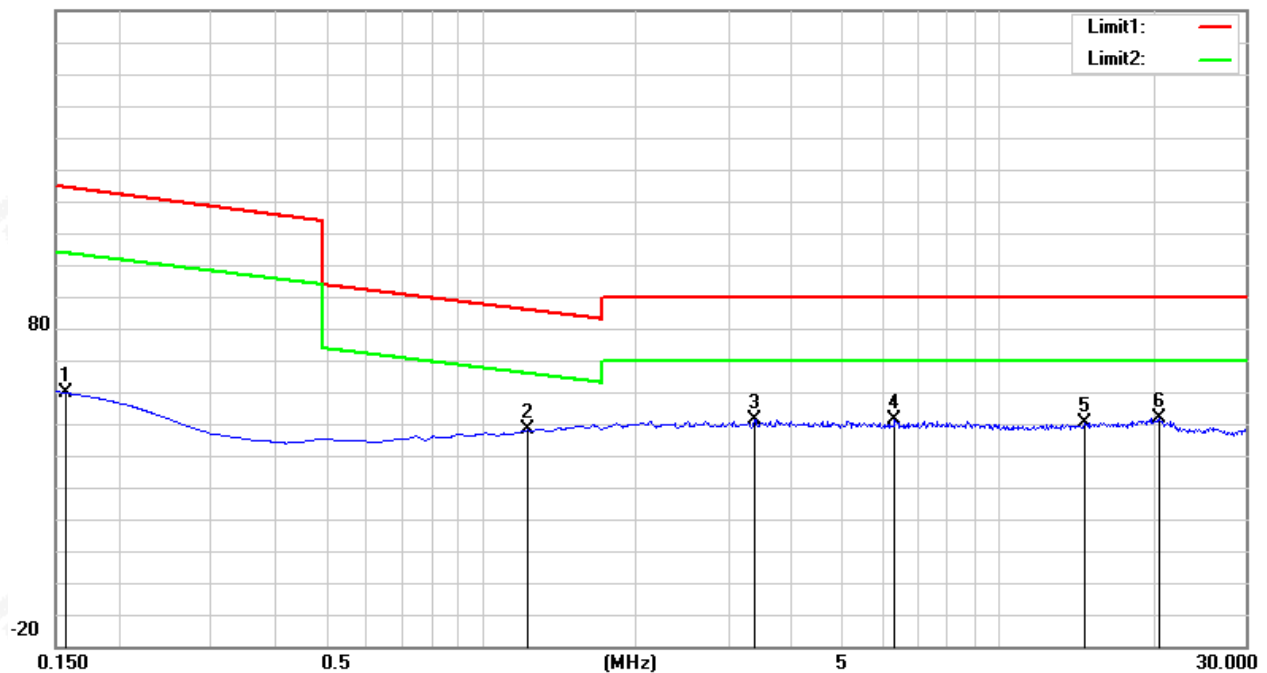
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Test Mode:	CH 1(150KHz – 30MHz)
Test distance:	3m		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1573	42.03	17.69	59.72	104.36	-44.64	AVG
2	1.2245	27.88	20.24	48.12	65.85	-17.73	QP
3	3.3738	31.12	20.21	51.33	69.54	-18.21	QP
4	6.2991	30.95	20.42	51.37	69.54	-18.17	QP
5	14.7168	28.86	21.24	50.10	69.54	-19.44	QP
6	20.4182	29.46	22.34	51.80	69.54	-17.74	QP

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

180.0 dBuV/m



Note: The position of the measurement polarization (Horizontal / Face-on / Face-off) all has been tested, only shown the worst mode of Horizontal position.

30MHz – 960MHz Radiation Spurious

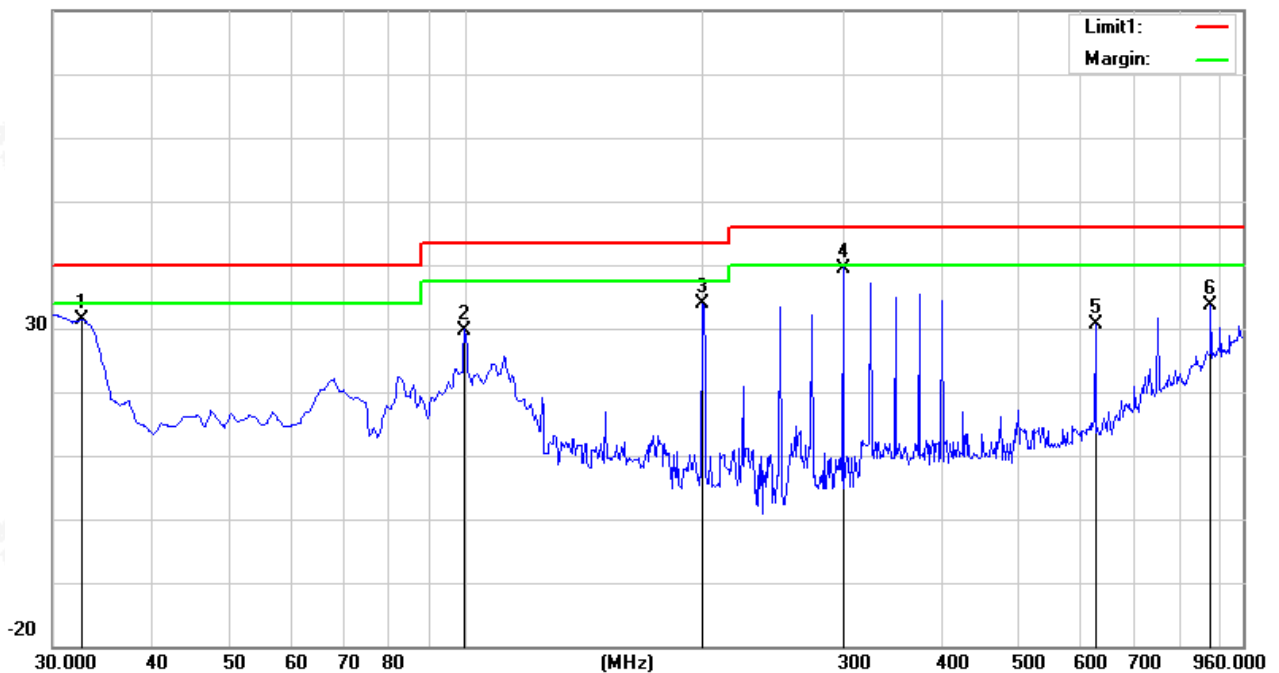
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1	Test distance:	3m

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.7900	45.66	-14.27	31.39	40.00	-8.61	peak
2	99.7500	49.92	-20.17	29.75	43.50	-13.75	peak
3	199.2600	54.91	-21.11	33.80	43.50	-9.70	peak
4	299.7000	54.32	-14.82	39.50	46.00	-6.50	peak
5	625.2000	35.84	-5.26	30.58	46.00	-15.42	peak
6	875.3700	34.21	-0.60	33.61	46.00	-12.39	peak

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





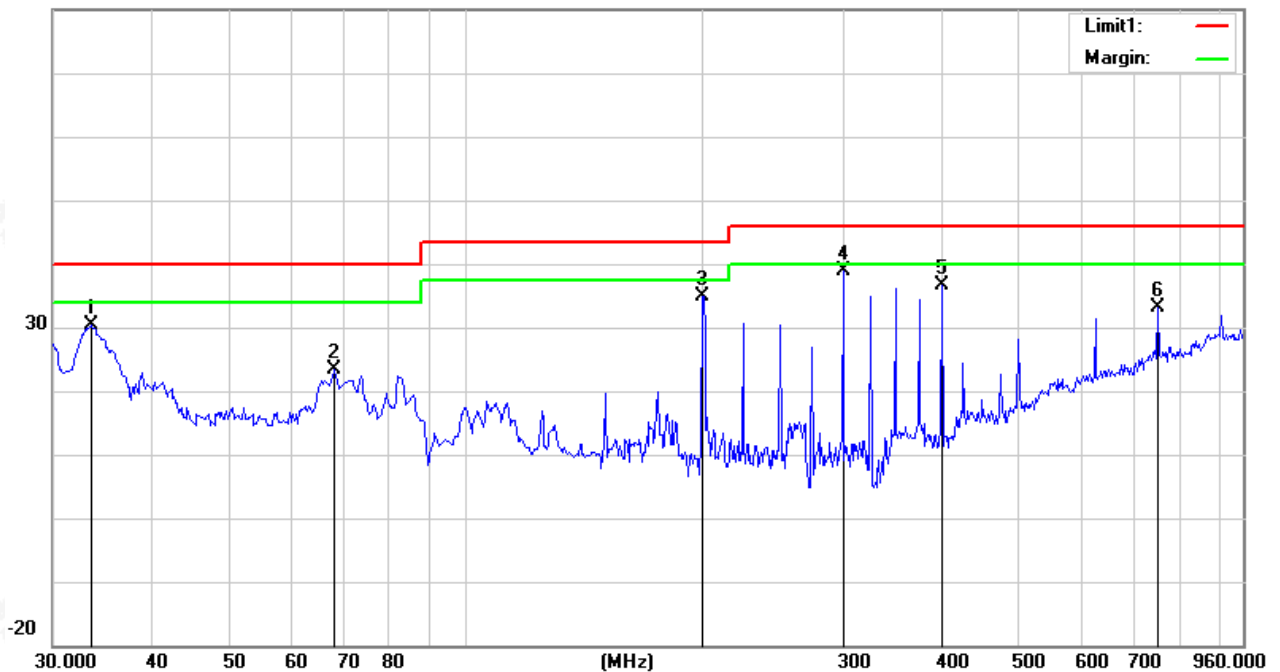
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1	Test distance:	3m

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.7200	45.19	-14.72	30.47	40.00	-9.53	peak
2	68.1300	48.49	-25.22	23.27	40.00	-16.73	peak
3	199.2600	55.98	-21.11	34.87	43.50	-8.63	peak
4	299.7000	53.79	-14.82	38.97	46.00	-7.03	peak
5	400.1400	47.66	-11.13	36.53	46.00	-9.47	peak
6	749.8200	35.38	-2.16	33.22	46.00	-12.78	peak

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Below 30MHz

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Test Mode:	CH 2(9KHz - 150KHz)
Test distance:	3m		

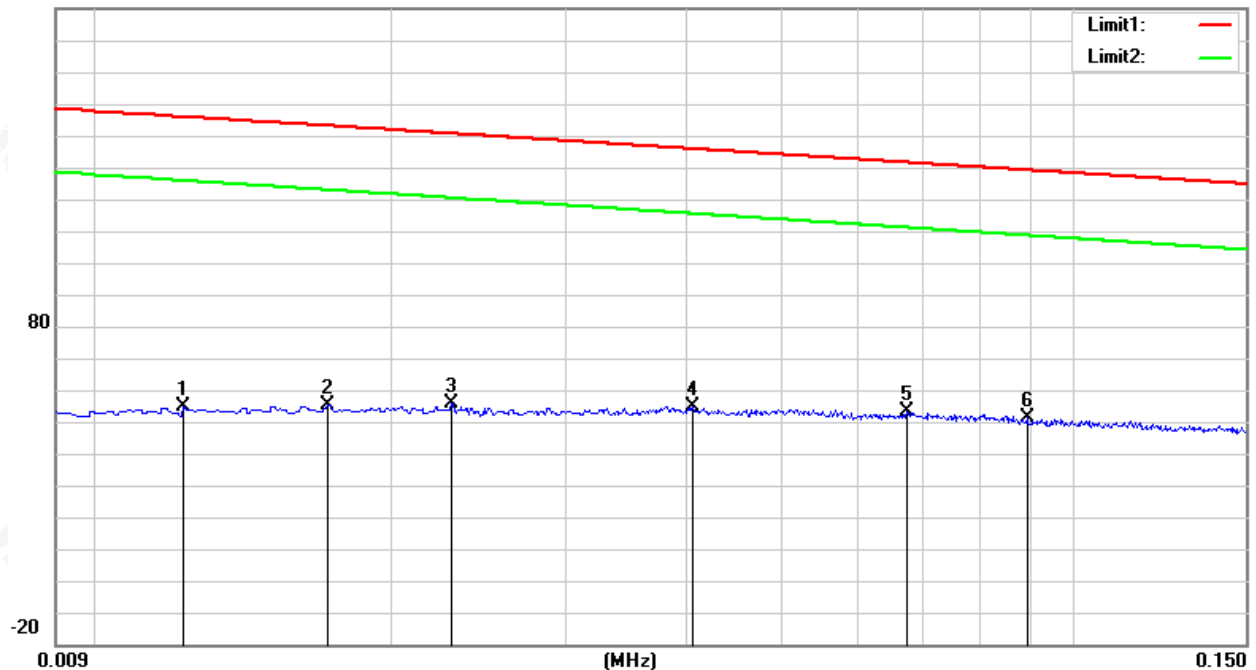
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0122	35.44	19.53	54.97	125.96	-70.99	AVG
2	0.0171	35.28	19.89	55.17	123.11	-67.94	AVG
3	0.0230	35.67	20.04	55.71	120.61	-64.90	AVG
4	0.0406	35.00	19.69	54.69	115.82	-61.13	AVG
5	0.0674	34.03	19.01	53.04	111.54	-58.50	AVG
6	0.0895	33.06	18.10	51.16	109.15	-57.99	AVG

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

180.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Test Mode:	CH 2(150KHz – 30MHz)
Test distance:	3m		

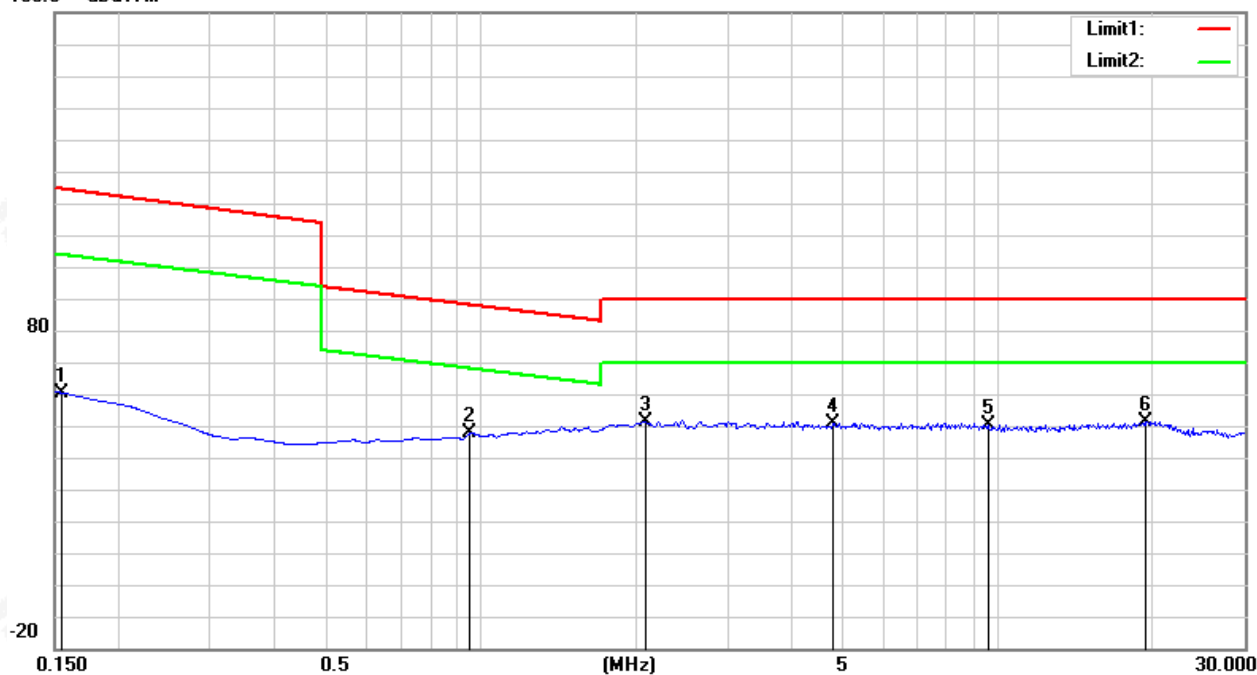
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1548	42.78	17.62	60.40	104.51	-44.11	AVG
2	0.9560	27.74	20.22	47.96	68.00	-20.04	QP
3	2.0903	30.75	20.37	51.12	69.54	-18.42	QP
4	4.8066	30.34	20.48	50.82	69.54	-18.72	QP
5	9.5826	30.23	20.23	50.46	69.54	-19.08	QP
6	19.3137	29.16	22.34	51.50	69.54	-18.04	QP

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

180.0 dBuV/m



Note: The position of the measurement polarization (Horizontal / Face-on / Face-off) all has been tested, only shown the worst mode of Horizontal position.

30MHz – 960MHz Radiation Spurious

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2	Test distance:	3m

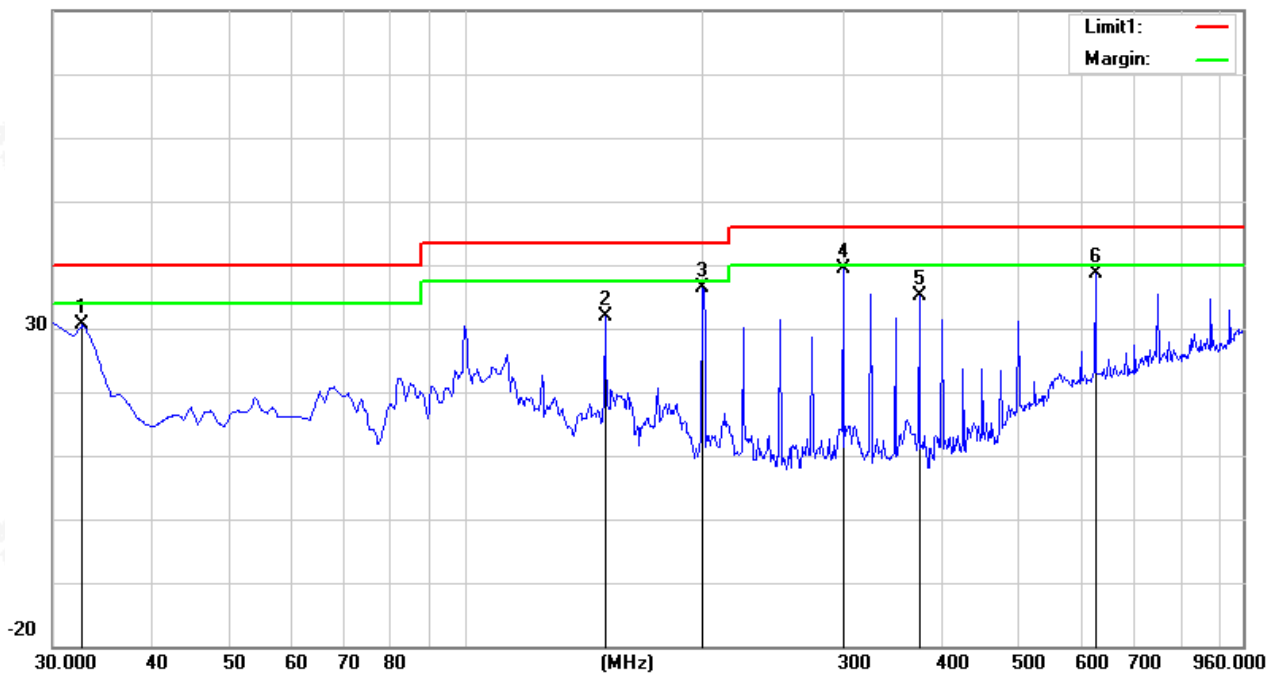
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.7900	44.88	-14.27	30.61	40.00	-9.39	peak
2	149.9700	50.43	-18.53	31.90	43.50	-11.60	peak
3	199.2600	57.39	-21.11	36.28	43.50	-7.22	peak
4	299.7000	54.23	-14.82	39.41	46.00	-6.59	peak
5	375.0300	47.39	-12.38	35.01	46.00	-10.99	peak
6	625.2000	43.98	-5.26	38.72	46.00	-7.28	peak

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2	Test distance:	3m

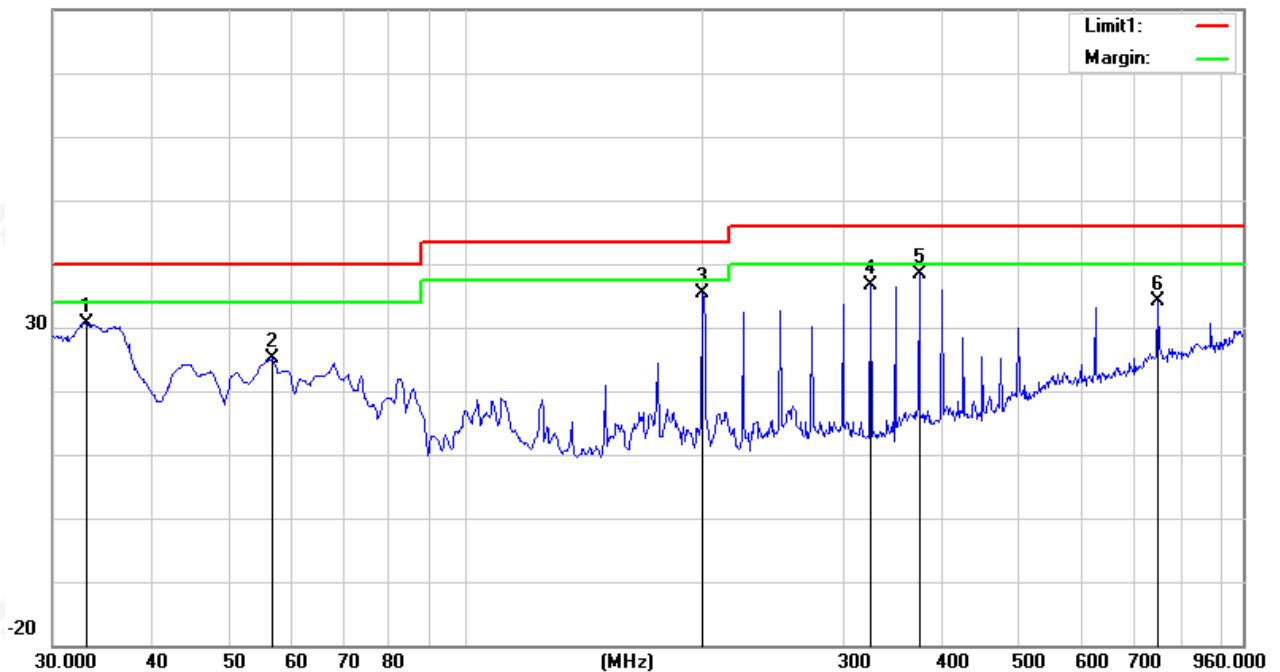
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	33.1720	45.20	-14.46	30.74	40.00	-9.26	peak
2	56.9700	50.61	-25.41	25.20	40.00	-14.80	peak
3	199.2600	56.50	-21.11	35.39	43.50	-8.11	peak
4	324.8100	50.51	-13.85	36.66	46.00	-9.34	peak
5	375.0300	50.84	-12.38	38.46	46.00	-7.54	peak
6	749.8200	36.26	-2.16	34.10	46.00	-11.90	peak

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Below 30MHz

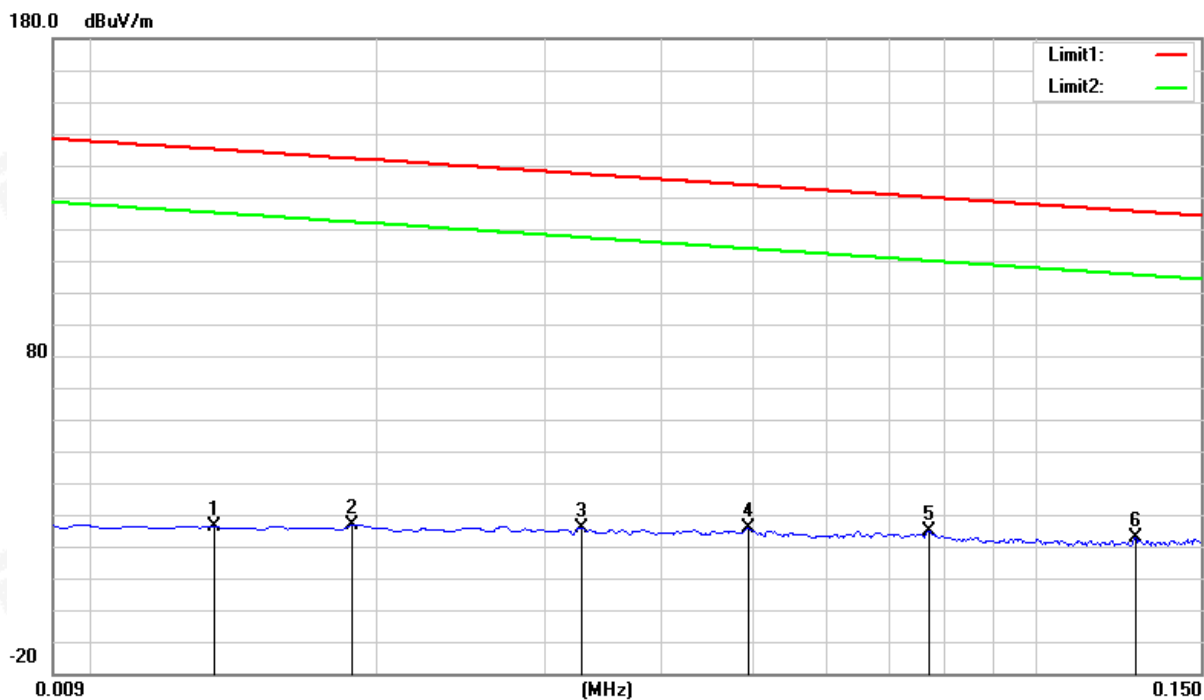
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/50Hz	Test Mode:	CH 3(9KHz - 150KHz)
Test distance:	3m		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0132	6.78	19.61	26.39	125.19	-98.80	AVG
2	0.0188	6.83	20.01	26.84	122.12	-95.28	AVG
3	0.0328	5.95	19.84	25.79	117.29	-91.50	AVG
4	0.0493	6.04	19.51	25.55	113.75	-88.20	AVG
5	0.0770	6.09	18.70	24.79	109.87	-85.08	AVG
6	0.1280	5.17	17.54	22.71	105.46	-82.75	AVG

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/50Hz	Test Mode:	CH 3(150KHz – 30MHz)
Test distance:	3m		

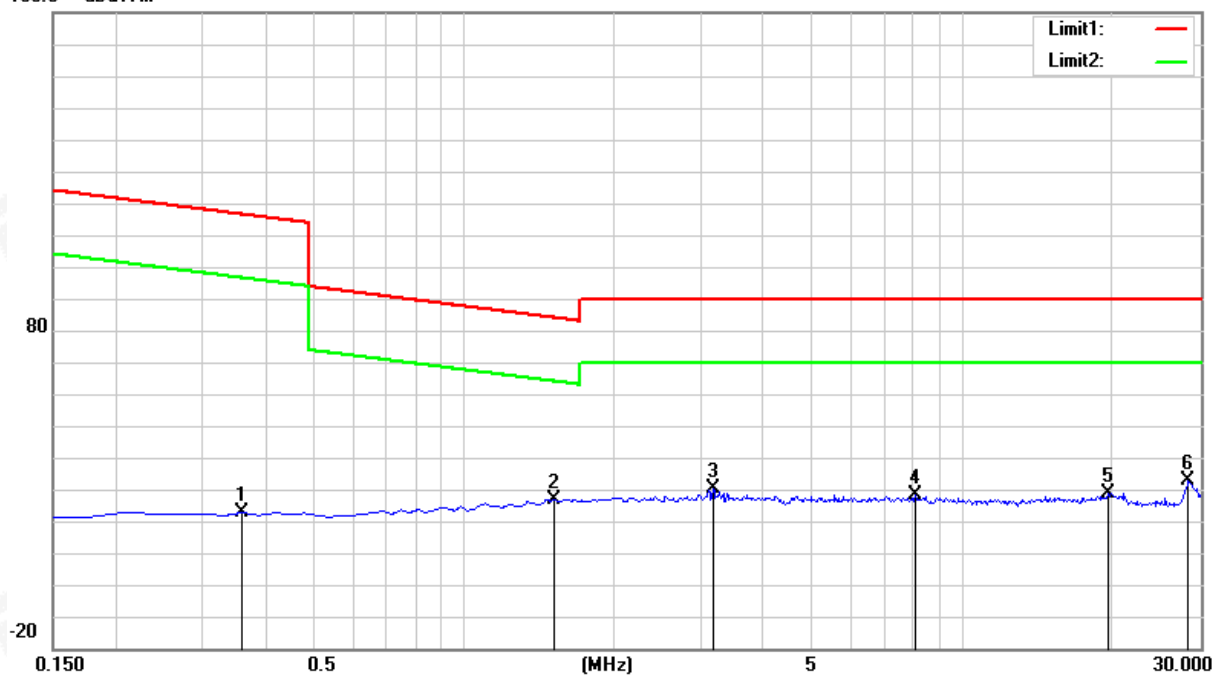
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.3590	2.62	20.14	22.76	96.50	-73.74	AVG
2	1.5231	6.37	20.30	26.67	63.95	-37.28	QP
3	3.1648	10.28	20.15	30.43	69.54	-39.11	QP
4	8.0602	7.95	20.32	28.27	69.54	-41.27	QP
5	19.5823	6.34	22.40	28.74	69.54	-40.80	QP
6	28.4478	12.26	20.32	32.58	69.54	-36.96	QP

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

180.0 dBuV/m



Note: The position of the measurement polarization (Horizontal / Face-on / Face-off) all has been tested, only shown the worst mode of Horizontal position.

30MHz – 960MHz Radiation Spurious

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/50Hz	Phase:	Horizontal
Test Mode:	CH 3	Test distance:	3m

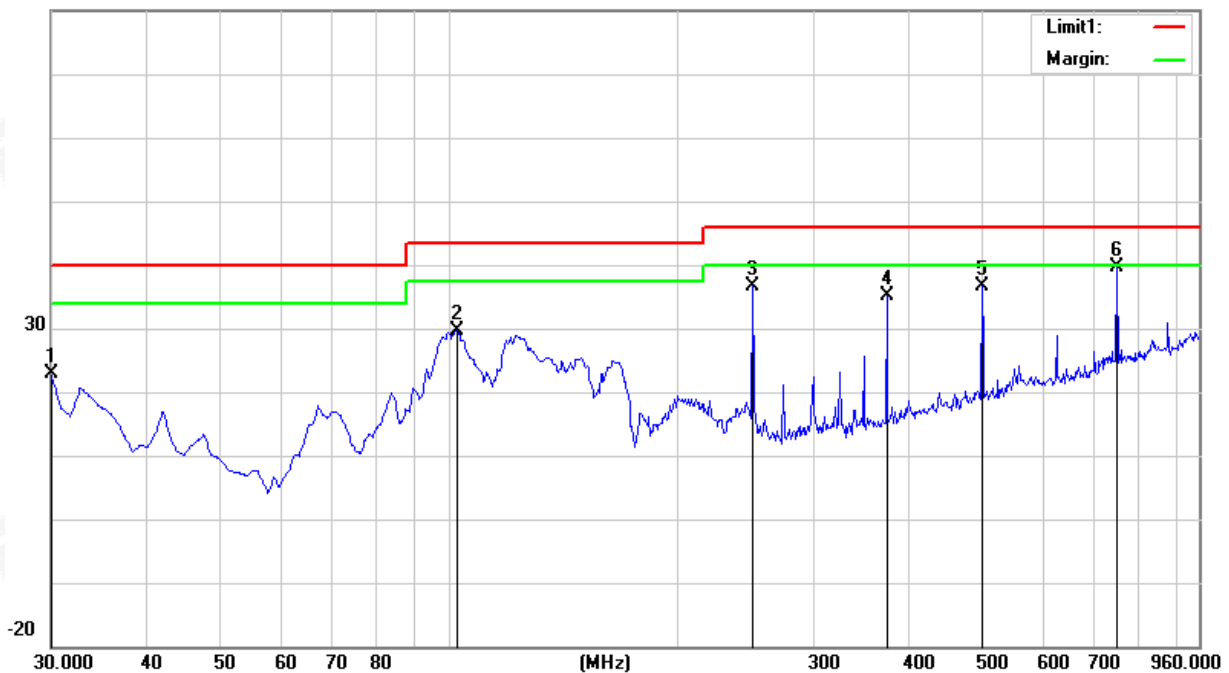
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	35.82	-12.85	22.97	40.00	-17.03	peak
2	102.5400	49.54	-19.86	29.68	43.50	-13.82	peak
3	249.4800	52.76	-16.21	36.55	46.00	-9.45	peak
4	375.0300	47.62	-12.38	35.24	46.00	-10.76	peak
5	499.6500	44.74	-8.01	36.73	46.00	-9.27	peak
6	749.8200	41.89	-2.16	39.73	46.00	-6.27	peak

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/50Hz	Phase:	Vertical
Test Mode:	CH 3	Test distance:	3m

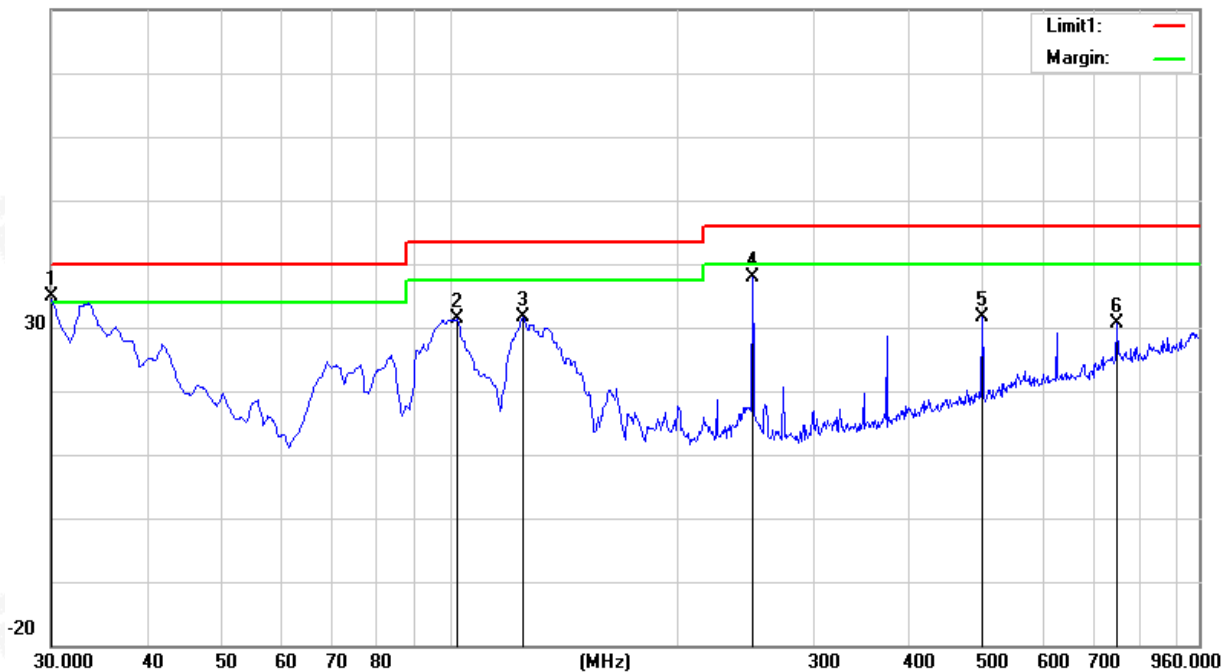
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.0000	47.75	-12.85	34.90	40.00	-5.10	peak
2	102.5400	51.13	-19.86	31.27	43.50	-12.23	peak
3	124.8600	49.86	-18.22	31.64	43.50	-11.86	peak
4	249.4800	54.09	-16.21	37.88	46.00	-8.12	peak
5	499.6500	39.65	-8.01	31.64	46.00	-14.36	peak
6	749.8200	32.85	-2.16	30.69	46.00	-15.31	peak

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Above 960MHz Radiation Spurious

FCC:

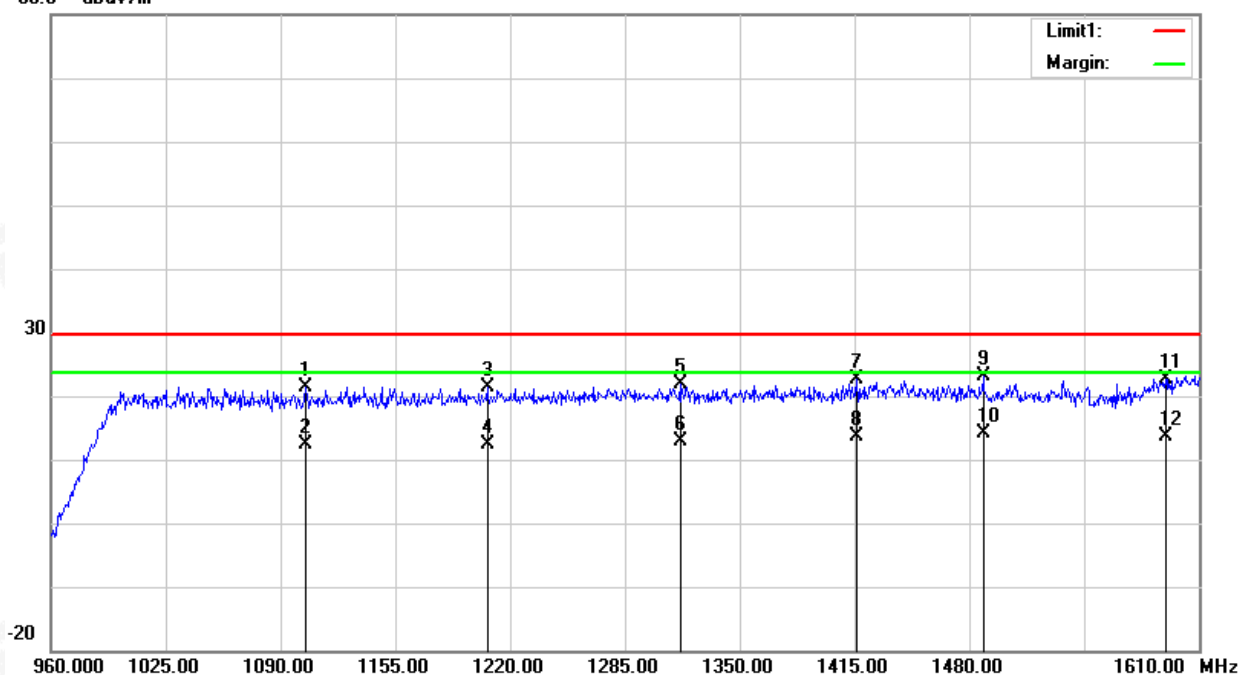
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(960MHz -1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1104.300	22.54	-1.06	21.48	29.54	-8.06	peak
2	1104.300	13.54	-1.06	12.48	29.54	-17.06	RMS
3	1207.000	21.84	-0.44	21.40	29.54	-8.14	peak
4	1207.000	12.84	-0.44	12.40	29.54	-17.14	RMS
5	1316.200	21.95	-0.07	21.88	29.54	-7.66	peak
6	1316.200	12.95	-0.07	12.88	29.54	-16.66	RMS
7	1416.300	22.19	0.47	22.66	29.54	-6.88	peak
8	1416.300	13.19	0.47	13.66	29.54	-15.88	RMS
9	1487.800	21.79	1.33	23.12	29.54	-6.42	peak
10	1487.800	12.79	1.33	14.12	29.54	-15.42	RMS
11	1591.150	18.73	3.96	22.69	29.54	-6.85	peak
12	1591.150	9.73	3.96	13.69	29.54	-15.85	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m

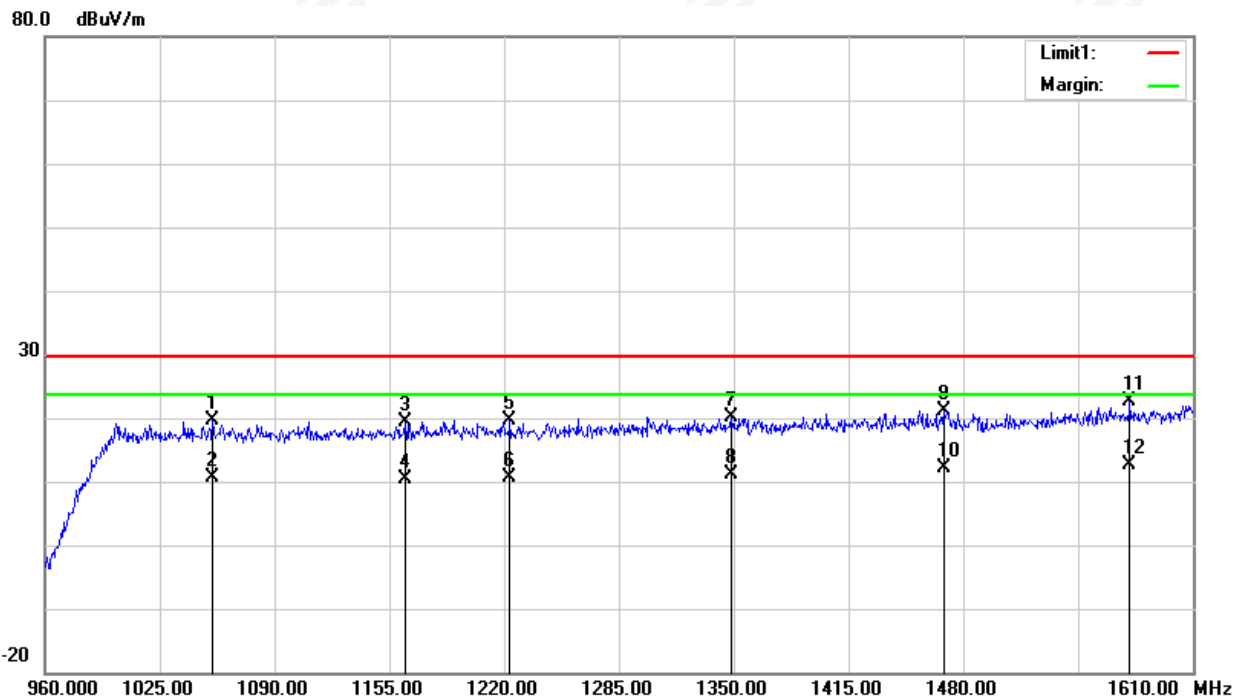


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(960MHz -1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1054.900	20.91	-1.34	19.57	29.54	-9.97	peak
2	1054.900	11.91	-1.34	10.57	29.54	-18.97	RMS
3	1164.100	20.22	-0.77	19.45	29.54	-10.09	peak
4	1164.100	11.22	-0.77	10.45	29.54	-19.09	RMS
5	1223.250	20.15	-0.46	19.69	29.54	-9.85	peak
6	1223.250	11.15	-0.46	10.69	29.54	-18.85	RMS
7	1348.700	20.12	0.06	20.18	29.54	-9.36	peak
8	1348.700	11.12	0.06	11.18	29.54	-18.36	RMS
9	1468.950	20.04	1.11	21.15	29.54	-8.39	peak
10	1468.950	11.04	1.11	12.15	29.54	-17.39	RMS
11	1574.250	19.11	3.44	22.55	29.54	-6.99	peak
12	1574.250	9.11	3.44	12.55	29.54	-16.99	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

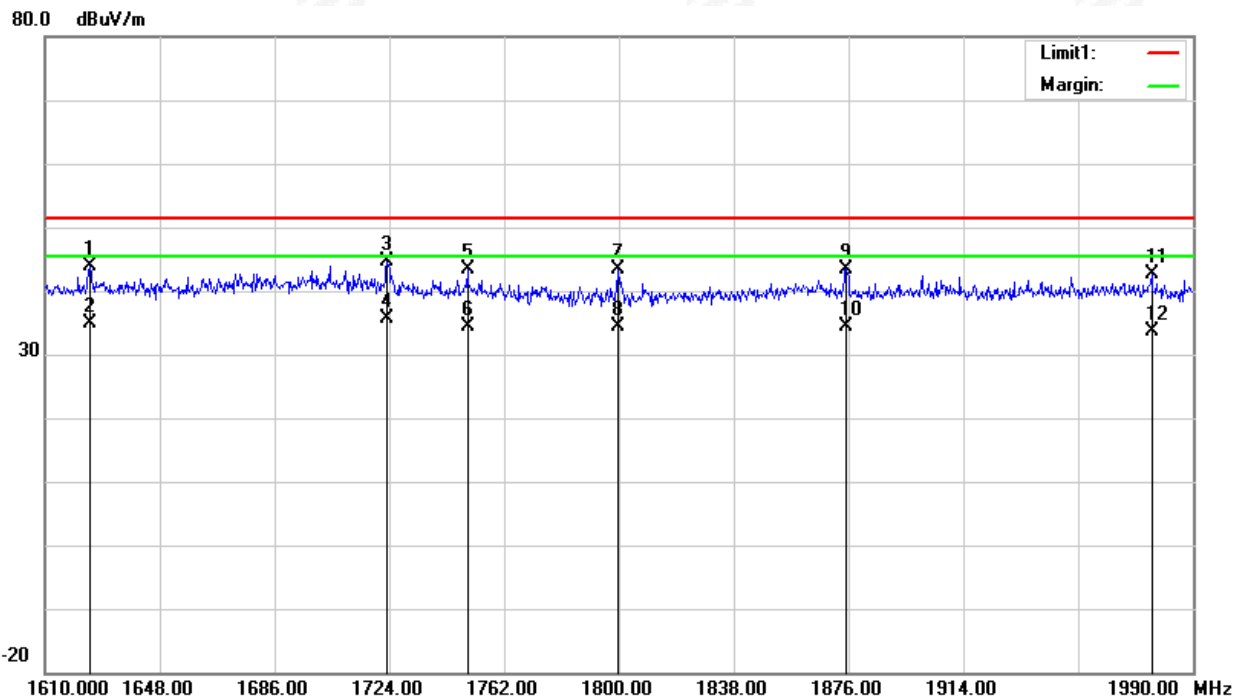


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(1610MHz – 1990MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1624.820	39.56	4.24	43.80	51.44	-7.64	peak
2	1624.820	30.56	4.24	34.80	51.44	-16.64	RMS
3	1723.240	40.23	4.50	44.73	51.44	-6.71	peak
4	1723.240	31.23	4.50	35.73	51.44	-15.71	RMS
5	1749.840	39.82	3.67	43.49	51.44	-7.95	peak
6	1749.840	30.82	3.67	34.49	51.44	-16.95	RMS
7	1799.620	41.50	1.78	43.28	51.44	-8.16	peak
8	1799.620	32.50	1.78	34.28	51.44	-17.16	RMS
9	1875.240	41.53	1.90	43.43	51.44	-8.01	peak
10	1875.240	32.53	1.90	34.43	51.44	-17.01	RMS
11	1976.320	40.84	1.78	42.62	51.44	-8.82	peak
12	1976.320	31.84	1.78	33.62	51.44	-17.82	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

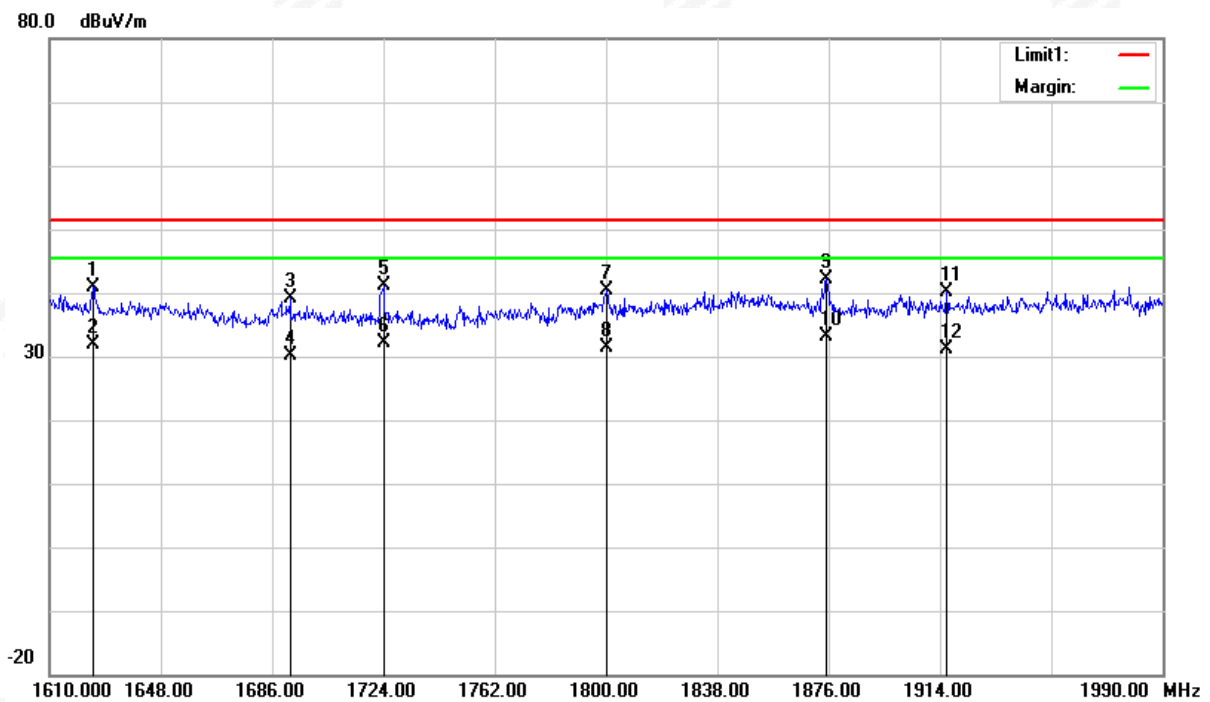


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(1610MHz – 1990MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1624.820	36.76	4.24	41.00	51.44	-10.44	peak
2	1624.820	27.76	4.24	32.00	51.44	-19.44	RMS
3	1692.080	34.17	5.07	39.24	51.44	-12.20	peak
4	1692.080	25.17	5.07	30.24	51.44	-21.20	RMS
5	1724.000	36.67	4.47	41.14	51.44	-10.30	peak
6	1724.000	27.67	4.47	32.14	51.44	-19.30	RMS
7	1800.380	38.58	1.77	40.35	51.44	-11.09	peak
8	1800.380	29.58	1.77	31.35	51.44	-20.09	RMS
9	1875.240	40.14	1.90	42.04	51.44	-9.40	peak
10	1875.240	31.14	1.90	33.04	51.44	-18.40	RMS
11	1916.280	38.70	1.48	40.18	51.44	-11.26	peak
12	1916.280	29.70	1.48	31.18	51.44	-20.26	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

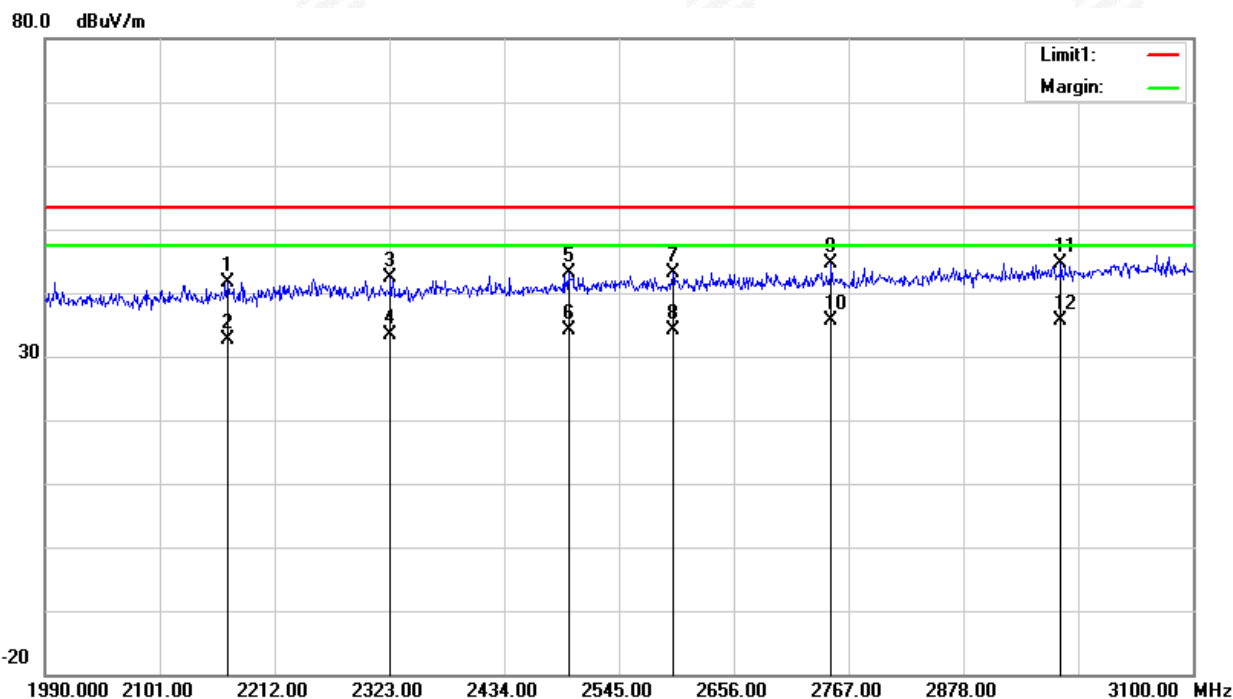


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(1990MHz – 3100MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2166.490	38.55	3.18	41.73	53.44	-11.71	peak
2	2166.490	29.55	3.18	32.73	53.44	-20.71	RMS
3	2324.110	38.87	3.60	42.47	53.44	-10.97	peak
4	2324.110	29.87	3.60	33.47	53.44	-19.97	RMS
5	2496.160	38.40	4.64	43.04	53.44	-10.40	peak
6	2496.160	29.40	4.64	34.04	53.44	-19.40	RMS
7	2597.170	38.01	5.03	43.04	53.44	-10.40	peak
8	2597.170	29.01	5.03	34.04	53.44	-19.40	RMS
9	2750.350	38.54	6.07	44.61	53.44	-8.83	peak
10	2750.350	29.54	6.07	35.61	53.44	-17.83	RMS
11	2972.350	37.59	7.01	44.60	53.44	-8.84	peak
12	2972.350	28.59	7.01	35.60	53.44	-17.84	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

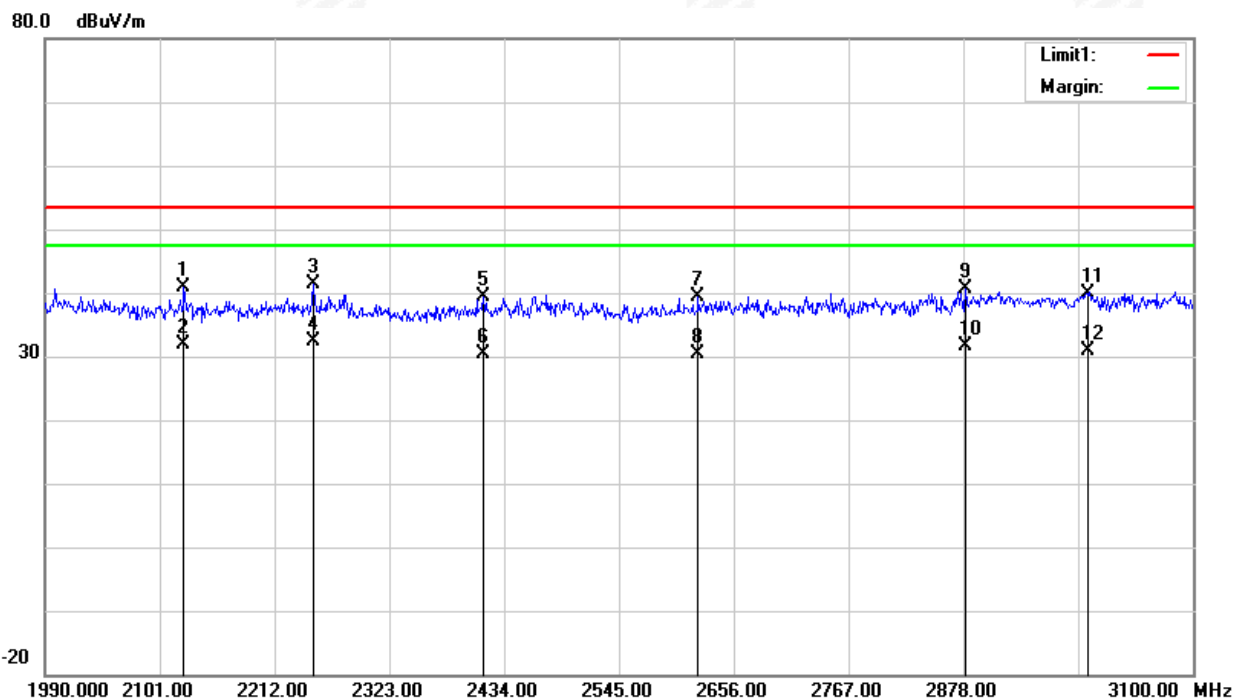


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(1990MHz – 3100MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2124.310	38.00	2.84	40.84	53.44	-12.60	peak
2	2124.310	29.00	2.84	31.84	53.44	-21.60	RMS
3	2249.740	37.49	3.77	41.26	53.44	-12.18	peak
4	2249.740	28.49	3.77	32.26	53.44	-21.18	RMS
5	2414.020	34.87	4.50	39.37	53.44	-14.07	peak
6	2414.020	25.87	4.50	30.37	53.44	-23.07	RMS
7	2621.590	34.09	5.26	39.35	53.44	-14.09	peak
8	2621.590	25.09	5.26	30.35	53.44	-23.09	RMS
9	2880.220	33.92	6.66	40.58	53.44	-12.86	peak
10	2880.220	24.92	6.66	31.58	53.44	-21.86	RMS
11	2997.880	32.90	7.04	39.94	53.44	-13.50	peak
12	2997.880	23.90	7.04	30.94	53.44	-22.50	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

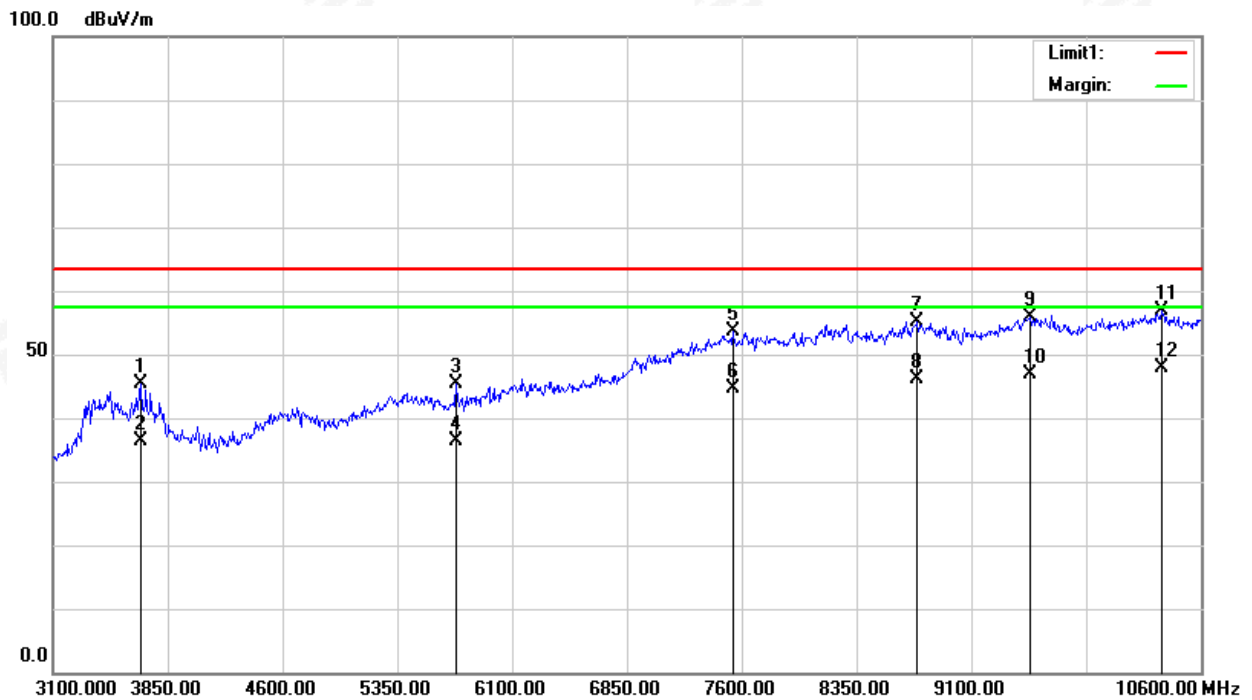


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(3100MHz – 10600MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3670.000	56.04	-10.64	45.40	63.44	-18.04	peak
2	3670.000	47.04	-10.64	36.40	63.44	-27.04	RMS
3	5732.500	49.81	-4.55	45.26	63.44	-18.18	peak
4	5732.500	40.81	-4.55	36.26	63.44	-27.18	RMS
5	7540.000	51.95	1.67	53.62	63.44	-9.82	peak
6	7540.000	42.95	1.67	44.62	63.44	-18.82	RMS
7	8747.500	52.54	2.59	55.13	63.44	-8.31	peak
8	8747.500	43.54	2.59	46.13	63.44	-17.31	RMS
9	9482.500	52.65	3.12	55.77	63.44	-7.67	peak
10	9482.500	43.65	3.12	46.77	63.44	-16.67	RMS
11	10345.000	52.41	4.47	56.88	63.44	-6.56	peak
12	10345.000	43.41	4.47	47.88	63.44	-15.56	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



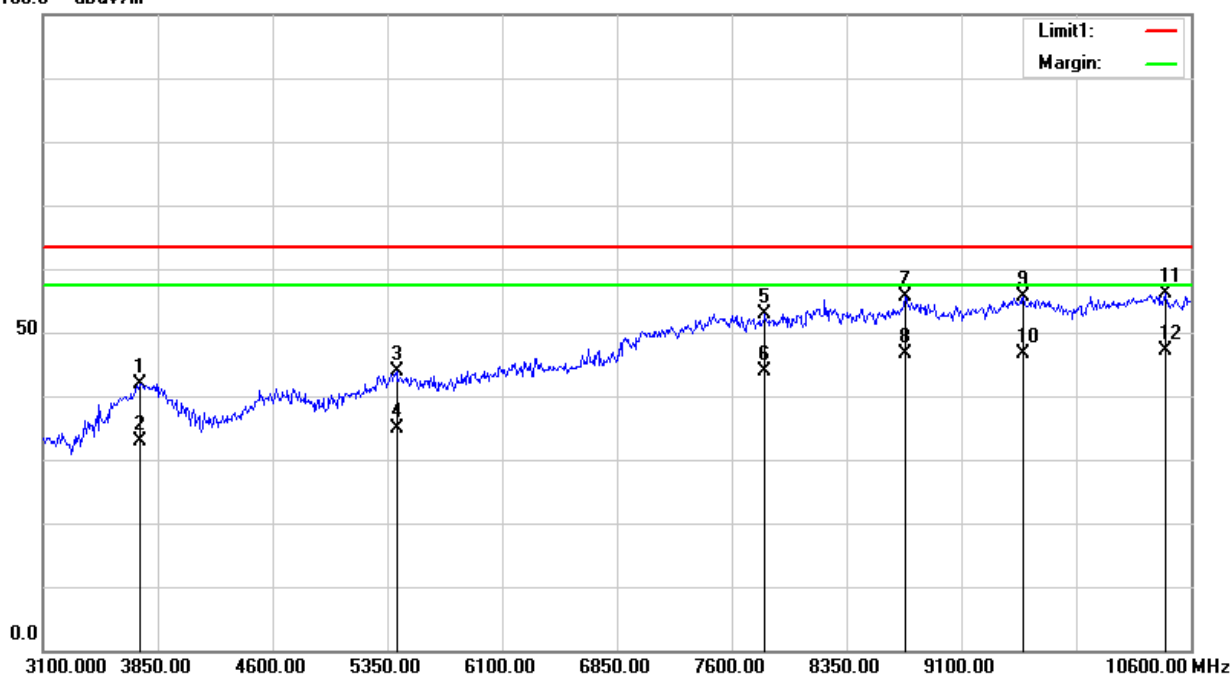
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(3100MHz – 10600MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3730.000	52.54	-10.59	41.95	63.44	-21.49	peak
2	3730.000	43.54	-10.59	32.95	63.44	-30.49	RMS
3	5410.000	49.09	-5.23	43.86	63.44	-19.58	peak
4	5410.000	40.09	-5.23	34.86	63.44	-28.58	RMS
5	7817.500	51.01	1.98	52.99	63.44	-10.45	peak
6	7817.500	42.01	1.98	43.99	63.44	-19.45	RMS
7	8732.500	52.97	2.60	55.57	63.44	-7.87	peak
8	8732.500	43.97	2.60	46.57	63.44	-16.87	RMS
9	9505.000	52.43	3.14	55.57	63.44	-7.87	peak
10	9505.000	43.43	3.14	46.57	63.44	-16.87	RMS
11	10435.000	51.43	4.76	56.19	63.44	-7.25	peak
12	10435.000	42.43	4.76	47.19	63.44	-16.25	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m

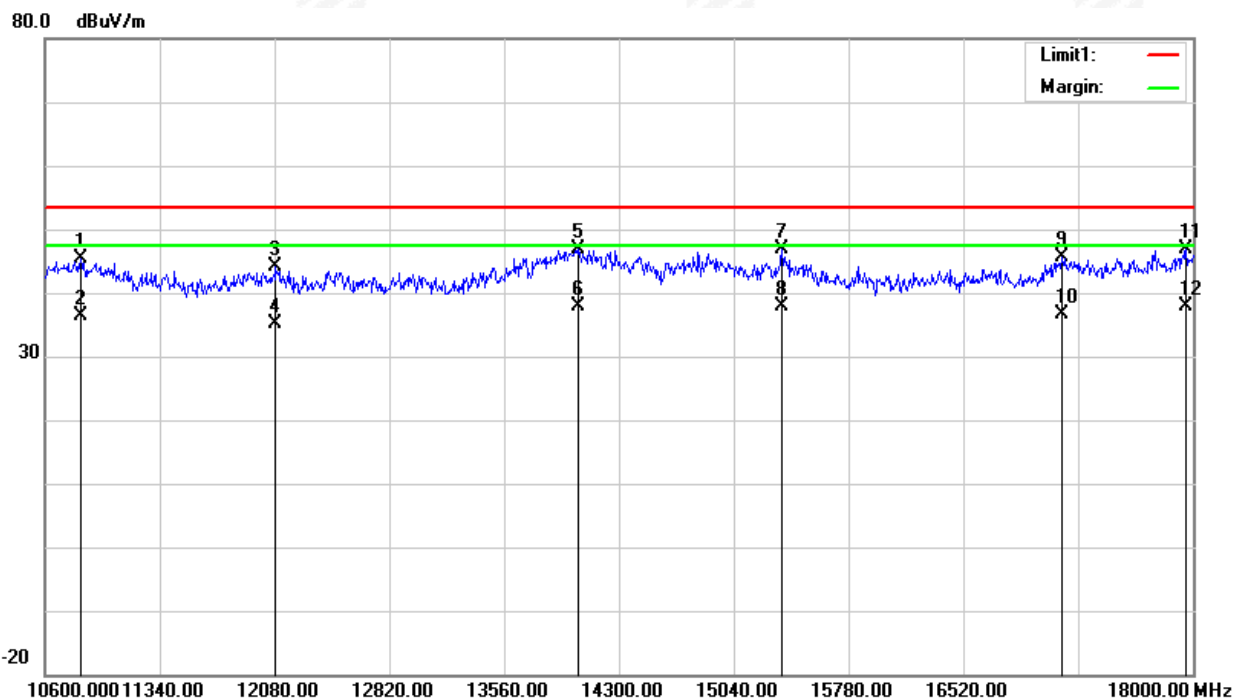


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(10600MHz – 18000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10829.400	39.47	5.84	45.31	53.44	-8.13	peak
2	10829.400	30.47	5.84	36.31	53.44	-17.13	RMS
3	12087.400	38.23	5.81	44.04	53.44	-9.40	peak
4	12087.400	29.23	5.81	35.04	53.44	-18.40	RMS
5	14041.000	34.51	12.25	46.76	53.44	-6.68	peak
6	14041.000	25.51	12.25	37.76	53.44	-15.68	RMS
7	15350.800	36.97	9.82	46.79	53.44	-6.65	peak
8	15350.800	27.97	9.82	37.79	53.44	-15.65	RMS
9	17156.400	35.64	10.08	45.72	53.44	-7.72	peak
10	17156.400	26.64	10.08	36.72	53.44	-16.72	RMS
11	17955.600	34.97	11.93	46.90	53.44	-6.54	peak
12	17955.600	25.97	11.93	37.90	53.44	-15.54	RMS

Remark:

- Margin = Result (Result =Reading + Factor)-Limit
- Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





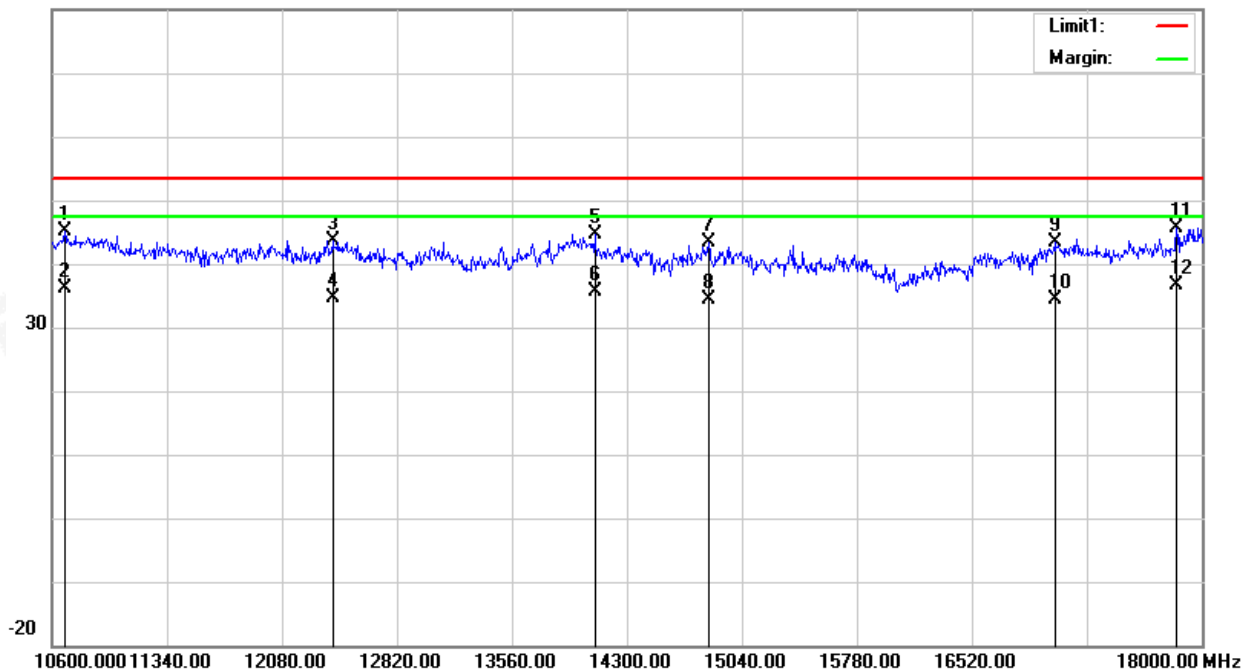
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(10600MHz – 18000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10681.400	39.77	5.44	45.21	53.44	-8.23	peak
2	10681.400	30.77	5.44	36.21	53.44	-17.23	RMS
3	12405.600	37.90	5.82	43.72	53.44	-9.72	peak
4	12405.600	28.90	5.82	34.72	53.44	-18.72	RMS
5	14092.800	32.48	12.15	44.63	53.44	-8.81	peak
6	14092.800	23.48	12.15	35.63	53.44	-17.81	RMS
7	14825.400	32.87	10.53	43.40	53.44	-10.04	peak
8	14825.400	23.87	10.53	34.40	53.44	-19.04	RMS
9	17052.800	33.43	9.91	43.34	53.44	-10.10	peak
10	17052.800	24.43	9.91	34.34	53.44	-19.10	RMS
11	17837.200	33.92	11.60	45.52	53.44	-7.92	peak
12	17837.200	24.92	11.60	36.52	53.44	-16.92	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





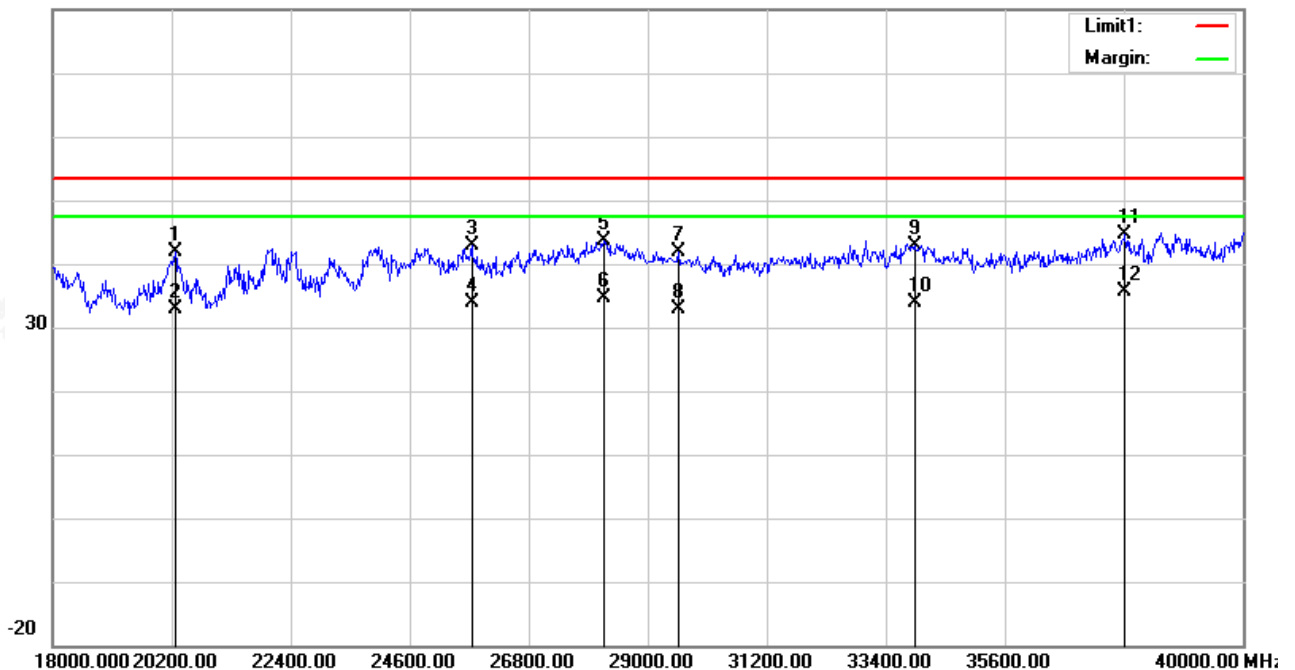
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(18000MHz – 40000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20266.000	29.31	12.47	41.78	53.44	-11.66	peak
2	20266.000	20.31	12.47	32.78	53.44	-20.66	RMS
3	25744.000	25.16	17.62	42.78	53.44	-10.66	peak
4	25744.000	16.16	17.62	33.78	53.44	-19.66	RMS
5	28186.000	24.41	19.30	43.71	53.44	-9.73	peak
6	28186.000	15.41	19.30	34.71	53.44	-18.73	RMS
7	29572.000	25.21	16.72	41.93	53.44	-11.51	peak
8	29572.000	16.21	16.72	32.93	53.44	-20.51	RMS
9	33928.000	27.10	15.79	42.89	53.44	-10.55	peak
10	33928.000	18.10	15.79	33.89	53.44	-19.55	RMS
11	37822.000	27.07	17.57	44.64	53.44	-8.80	peak
12	37822.000	18.07	17.57	35.64	53.44	-17.80	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





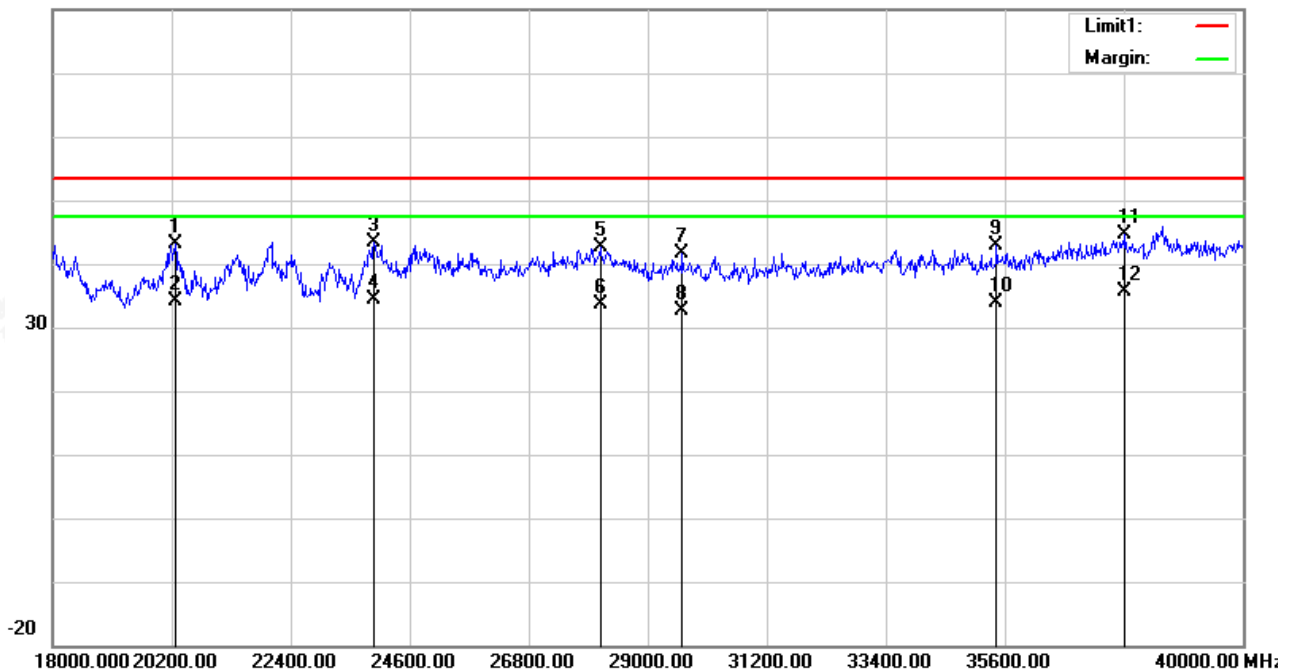
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(18000MHz – 40000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20266.000	30.72	12.47	43.19	53.44	-10.25	peak
2	20266.000	21.72	12.47	34.19	53.44	-19.25	RMS
3	23940.000	27.39	16.05	43.44	53.44	-10.00	peak
4	23940.000	18.39	16.05	34.44	53.44	-19.00	RMS
5	28120.000	23.21	19.43	42.64	53.44	-10.80	peak
6	28120.000	14.21	19.43	33.64	53.44	-19.80	RMS
7	29638.000	24.99	16.61	41.60	53.44	-11.84	peak
8	29638.000	15.99	16.61	32.60	53.44	-20.84	RMS
9	35446.000	26.56	16.42	42.98	53.44	-10.46	peak
10	35446.000	17.56	16.42	33.98	53.44	-19.46	RMS
11	37822.000	27.01	17.57	44.58	53.44	-8.86	peak
12	37822.000	18.01	17.57	35.58	53.44	-17.86	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



IC:

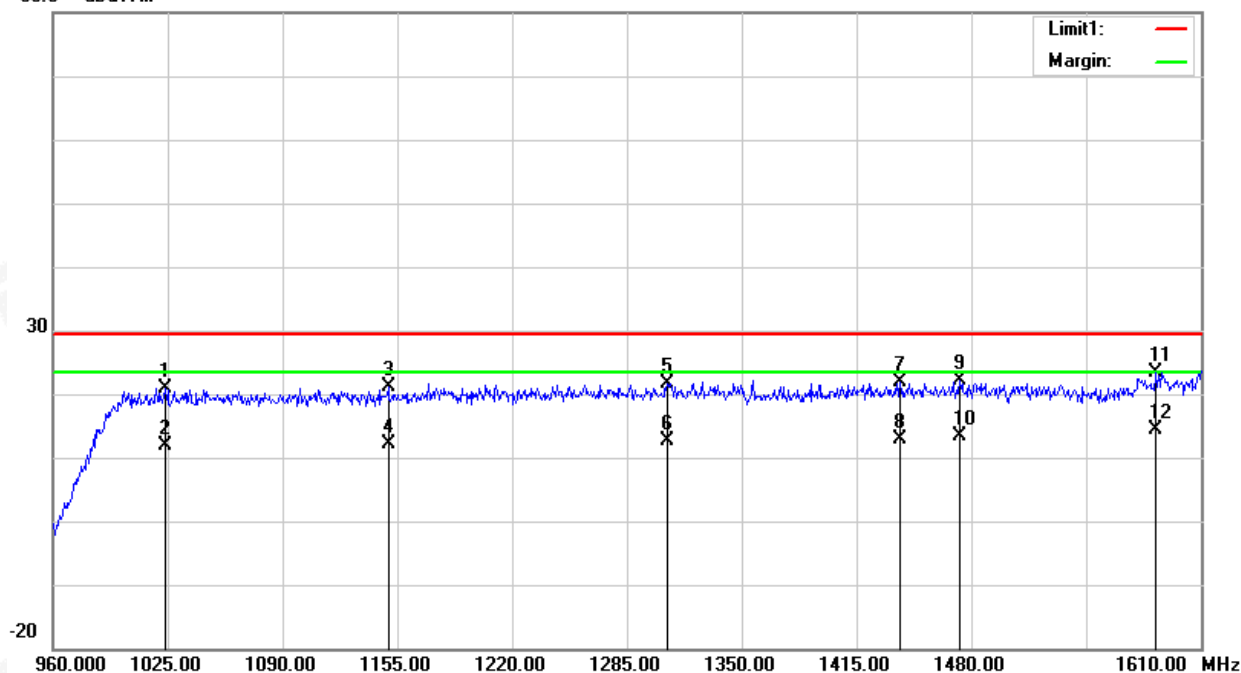
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(960MHz -1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1023.700	22.28	-1.49	20.79	29.44	-8.65	peak
2	1023.700	13.28	-1.49	11.79	29.44	-17.65	RMS
3	1149.800	21.93	-0.92	21.01	29.44	-8.43	peak
4	1149.800	12.93	-0.92	12.01	29.44	-17.43	RMS
5	1307.750	21.81	-0.10	21.71	29.44	-7.73	peak
6	1307.750	12.81	-0.10	12.71	29.44	-16.73	RMS
7	1439.700	21.09	0.76	21.85	29.44	-7.59	peak
8	1439.700	12.09	0.76	12.85	29.44	-16.59	RMS
9	1473.500	20.96	1.17	22.13	29.44	-7.31	peak
10	1473.500	12.26	1.17	13.43	29.44	-16.01	RMS
11	1584.650	19.62	3.76	23.38	29.44	-6.06	peak
12	1584.650	10.62	3.76	14.38	29.44	-15.06	RMS

Remark:

- Margin = Result (Result =Reading + Factor)-Limit
- Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m

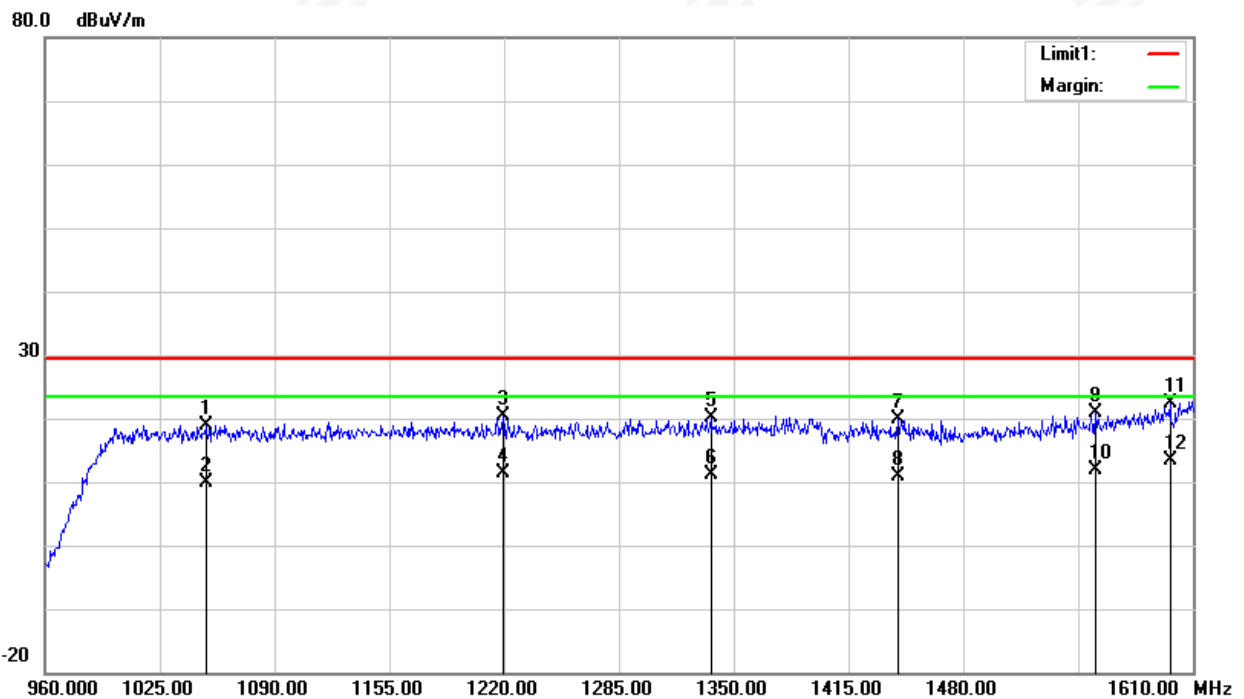


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(960MHz -1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1051.000	20.32	-1.37	18.95	29.44	-10.49	peak
2	1051.000	11.32	-1.37	9.95	29.44	-19.49	RMS
3	1219.350	20.78	-0.46	20.32	29.44	-9.12	peak
4	1219.350	11.78	-0.46	11.32	29.44	-18.12	RMS
5	1337.000	20.01	0.01	20.02	29.44	-9.42	peak
6	1337.000	11.01	0.01	11.02	29.44	-18.42	RMS
7	1442.950	18.95	0.81	19.76	29.44	-9.68	peak
8	1442.950	9.95	0.81	10.76	29.44	-18.68	RMS
9	1554.750	17.95	2.82	20.77	29.44	-8.67	peak
10	1554.750	8.95	2.82	11.77	29.44	-17.67	RMS
11	1597.000	18.24	4.14	22.38	29.44	-7.06	peak
12	1597.000	9.24	4.14	13.38	29.44	-16.06	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





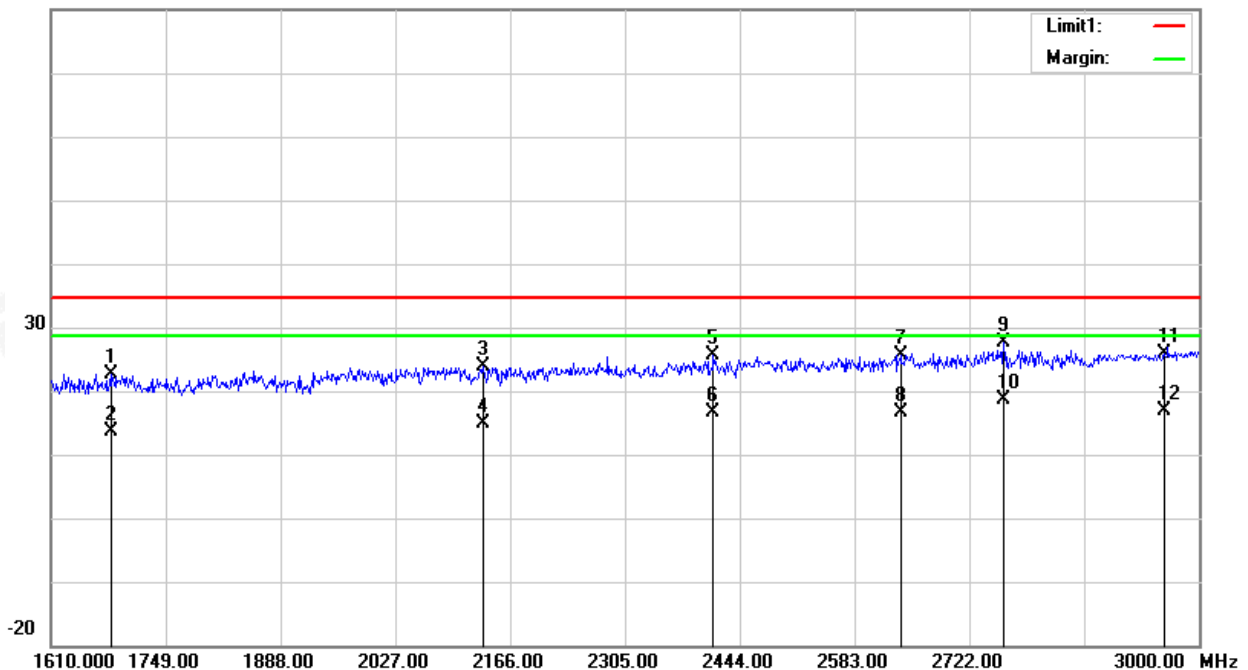
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(1610MHz – 3000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1682.280	17.67	4.87	22.54	34.74	-12.20	peak
2	1682.280	8.67	4.87	13.54	34.74	-21.20	RMS
3	2132.640	20.79	2.99	23.78	34.74	-10.96	peak
4	2132.640	11.79	2.99	14.78	34.74	-19.96	RMS
5	2412.030	21.11	4.50	25.61	34.74	-9.13	peak
6	2412.030	12.11	4.50	16.61	34.74	-18.13	RMS
7	2638.600	20.10	5.44	25.54	34.74	-9.20	peak
8	2638.600	11.10	5.44	16.54	34.74	-18.20	RMS
9	2763.700	21.44	6.12	27.56	34.74	-7.18	peak
10	2763.700	12.44	6.12	18.56	34.74	-16.18	RMS
11	2958.300	18.95	6.99	25.94	34.74	-8.80	peak
12	2958.300	9.95	6.99	16.94	34.74	-17.80	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



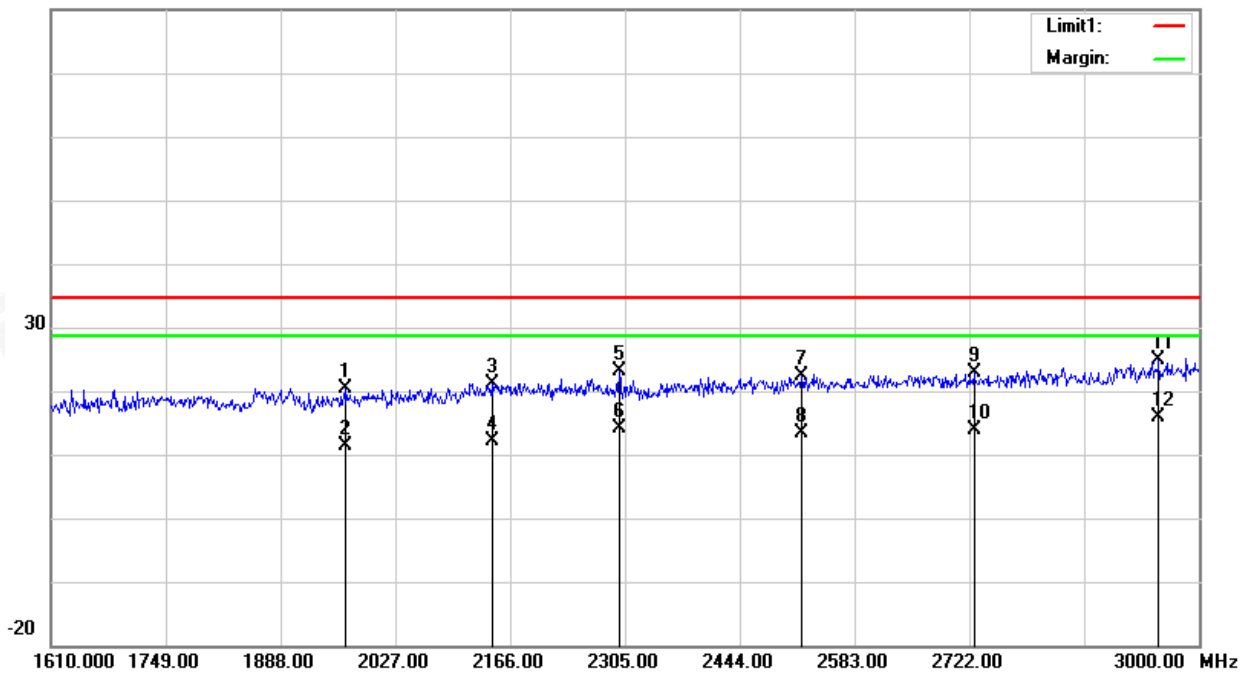
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(1610MHz – 3000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1967.230	18.72	1.69	20.41	34.74	-14.33	peak
2	1967.230	9.72	1.69	11.41	34.74	-23.33	RMS
3	2143.760	18.05	3.18	21.23	34.74	-13.51	peak
4	2143.760	9.05	3.18	12.23	34.74	-22.51	RMS
5	2298.050	19.71	3.48	23.19	34.74	-11.55	peak
6	2298.050	10.71	3.48	14.19	34.74	-20.55	RMS
7	2519.060	17.53	4.77	22.30	34.74	-12.44	peak
8	2519.060	8.53	4.77	13.30	34.74	-21.44	RMS
9	2727.560	17.06	5.86	22.92	34.74	-11.82	peak
10	2727.560	8.06	5.86	13.92	34.74	-20.82	RMS
11	2951.350	17.92	6.98	24.90	34.74	-9.84	peak
12	2951.350	8.92	6.98	15.90	34.74	-18.84	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



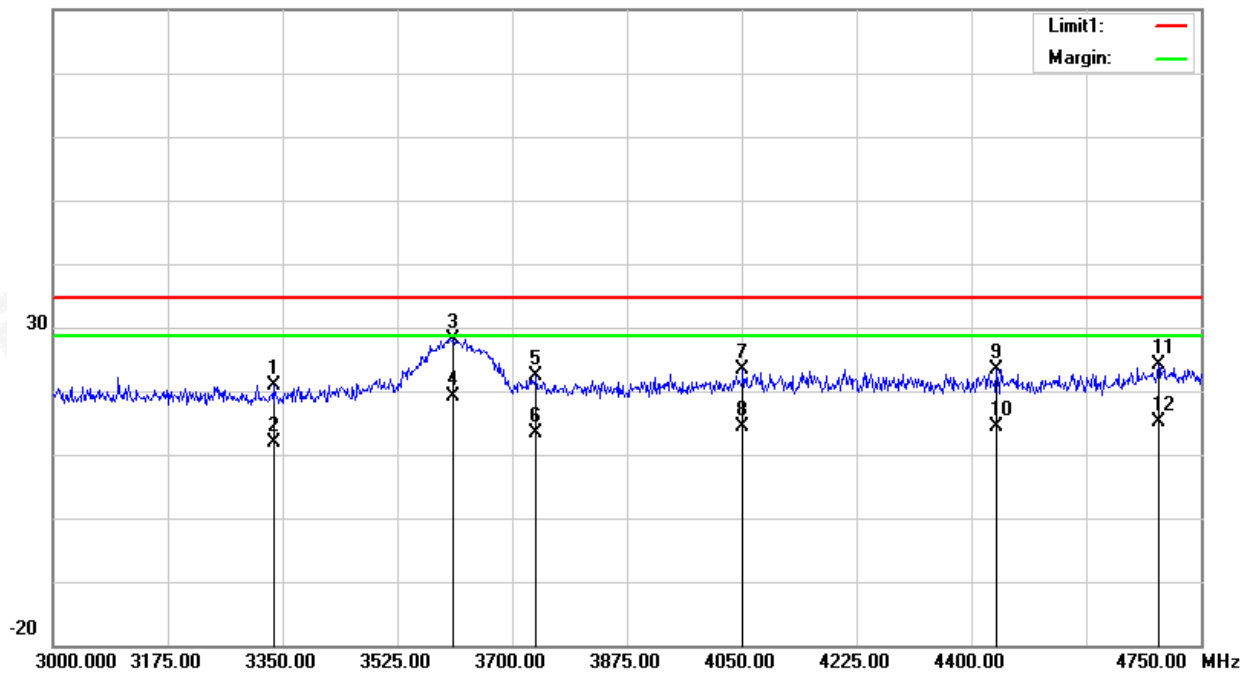
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(3000MHz –4750MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3337.750	32.79	-11.89	20.90	34.74	-13.84	peak
2	3337.750	23.79	-11.89	11.90	34.74	-22.84	RMS
3	3610.750	38.97	-10.81	28.16	34.74	-6.58	peak
4	3610.750	29.97	-10.81	19.16	34.74	-15.58	RMS
5	3736.750	32.89	-10.59	22.30	34.74	-12.44	peak
6	3736.750	23.89	-10.59	13.30	34.74	-21.44	RMS
7	4051.750	32.67	-9.36	23.31	34.74	-11.43	peak
8	4051.750	23.67	-9.36	14.31	34.74	-20.43	RMS
9	4438.500	31.43	-8.01	23.42	34.74	-11.32	peak
10	4438.500	22.43	-8.01	14.42	34.74	-20.32	RMS
11	4685.250	31.63	-7.44	24.19	34.74	-10.55	peak
12	4685.250	22.63	-7.44	15.19	34.74	-19.55	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



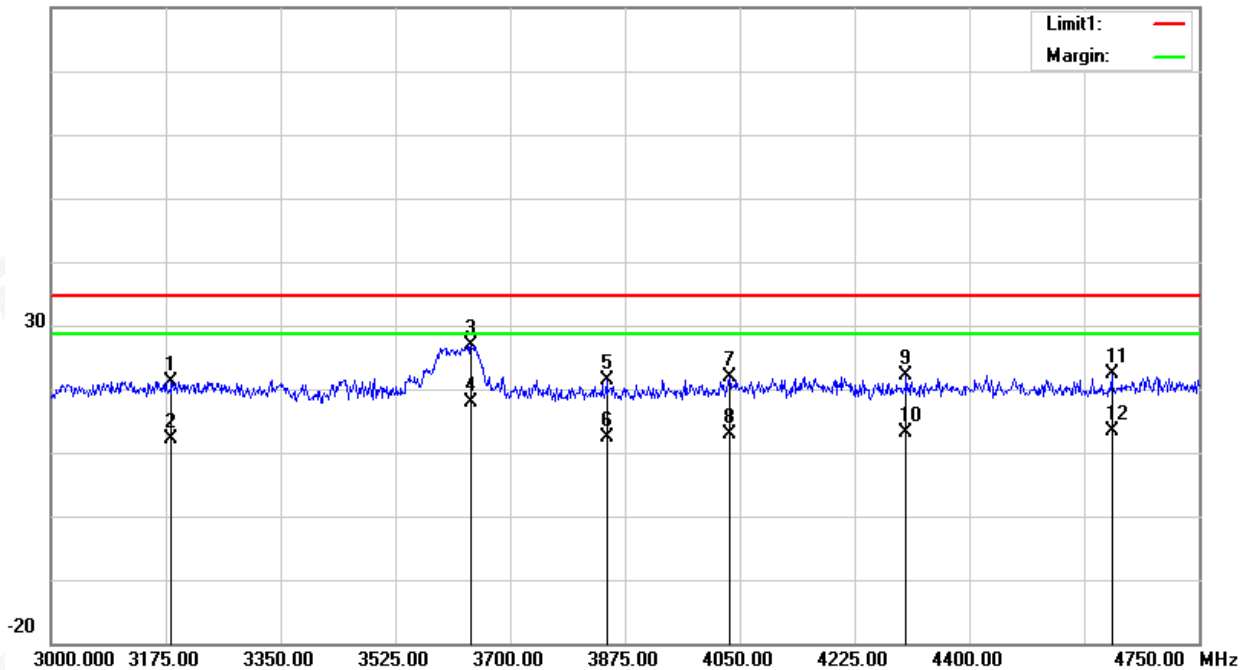
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(3000MHz –4750MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3183.750	33.42	-12.18	21.24	34.74	-13.50	peak
2	3183.750	24.42	-12.18	12.24	34.74	-22.50	RMS
3	3640.500	37.51	-10.73	26.78	34.74	-7.96	peak
4	3640.500	28.51	-10.73	17.78	34.74	-16.96	RMS
5	3847.000	31.73	-10.42	21.31	34.74	-13.43	peak
6	3847.000	22.73	-10.42	12.31	34.74	-22.43	RMS
7	4034.250	31.44	-9.46	21.98	34.74	-12.76	peak
8	4034.250	22.44	-9.46	12.98	34.74	-21.76	RMS
9	4303.750	30.49	-8.27	22.22	34.74	-12.52	peak
10	4303.750	21.49	-8.27	13.22	34.74	-21.52	RMS
11	4617.000	30.22	-7.79	22.43	34.74	-12.31	peak
12	4617.000	21.22	-7.79	13.43	34.74	-21.31	RMS

Remark:

- Margin = Result (Result =Reading + Factor)-Limit
- Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m

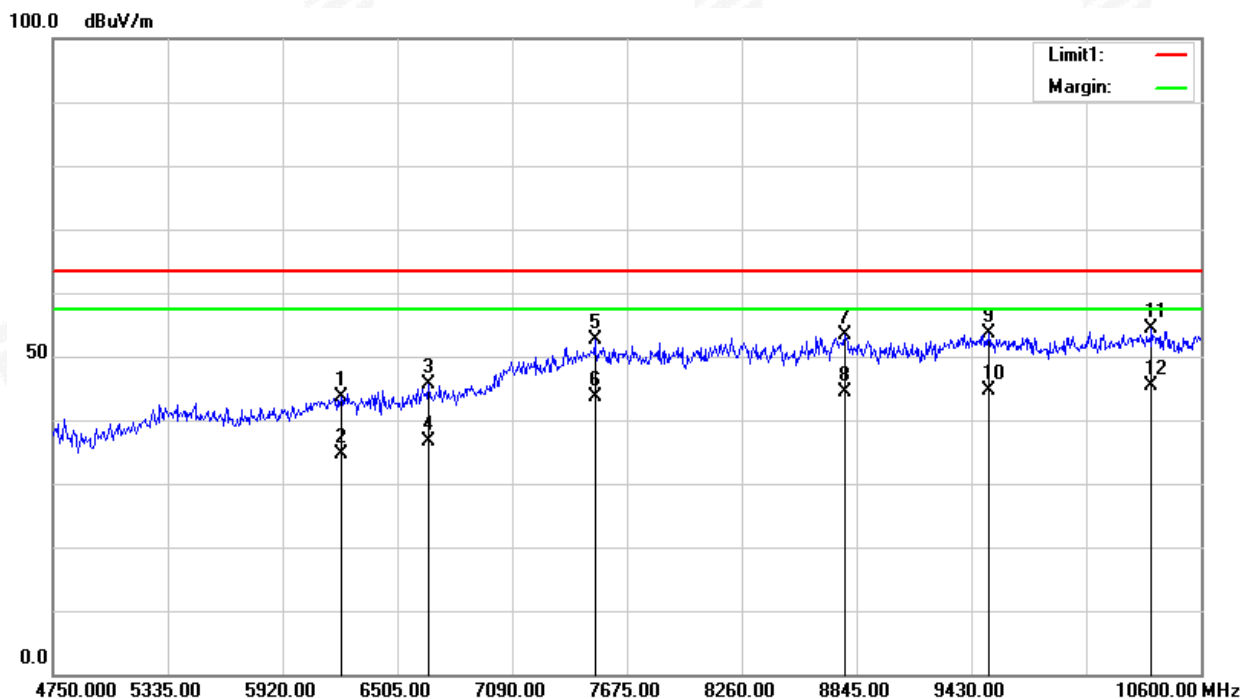


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(4750MHz – 10600MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6218.350	46.74	-3.09	43.65	63.44	-19.79	peak
2	6218.350	37.74	-3.09	34.65	63.44	-28.79	RMS
3	6662.950	47.04	-1.29	45.75	63.44	-17.69	peak
4	6662.950	38.04	-1.29	36.75	63.44	-26.69	RMS
5	7511.200	51.00	1.65	52.65	63.44	-10.79	peak
6	7511.200	42.00	1.65	43.65	63.44	-19.79	RMS
7	8786.500	50.76	2.57	53.33	63.44	-10.11	peak
8	8786.500	41.76	2.57	44.33	63.44	-19.11	RMS
9	9517.750	50.56	3.15	53.71	63.44	-9.73	peak
10	9517.750	41.56	3.15	44.71	63.44	-18.73	RMS
11	10348.450	49.87	4.48	54.35	63.44	-9.09	peak
12	10348.450	40.87	4.48	45.35	63.44	-18.09	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



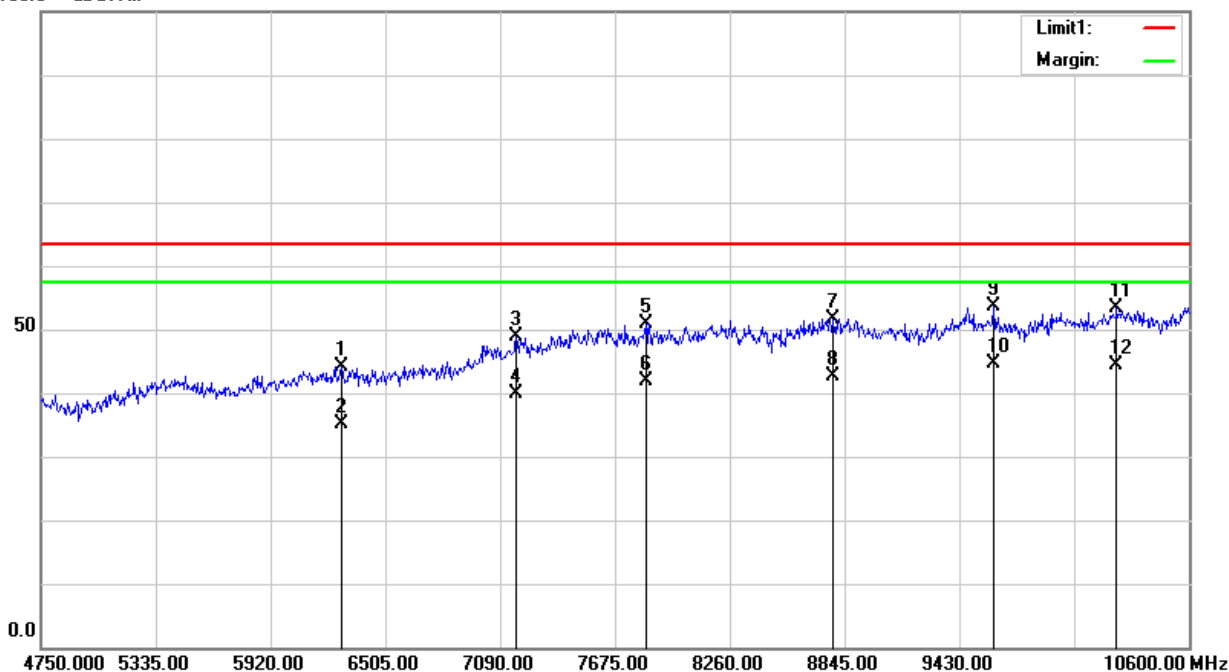
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(4750MHz – 10600MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6282.700	46.78	-2.57	44.21	63.44	-19.23	peak
2	6282.700	37.78	-2.57	35.21	63.44	-28.23	RMS
3	7171.900	48.42	0.43	48.85	63.44	-14.59	peak
4	7171.900	39.42	0.43	39.85	63.44	-23.59	RMS
5	7832.950	48.92	1.99	50.91	63.44	-12.53	peak
6	7832.950	39.92	1.99	41.91	63.44	-21.53	RMS
7	8786.500	49.17	2.57	51.74	63.44	-11.70	peak
8	8786.500	40.17	2.57	42.74	63.44	-20.70	RMS
9	9605.500	50.45	3.18	53.63	63.44	-9.81	peak
10	9605.500	41.45	3.18	44.63	63.44	-18.81	RMS
11	10231.450	49.25	4.10	53.35	63.44	-10.09	peak
12	10231.450	40.25	4.10	44.35	63.44	-19.09	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m



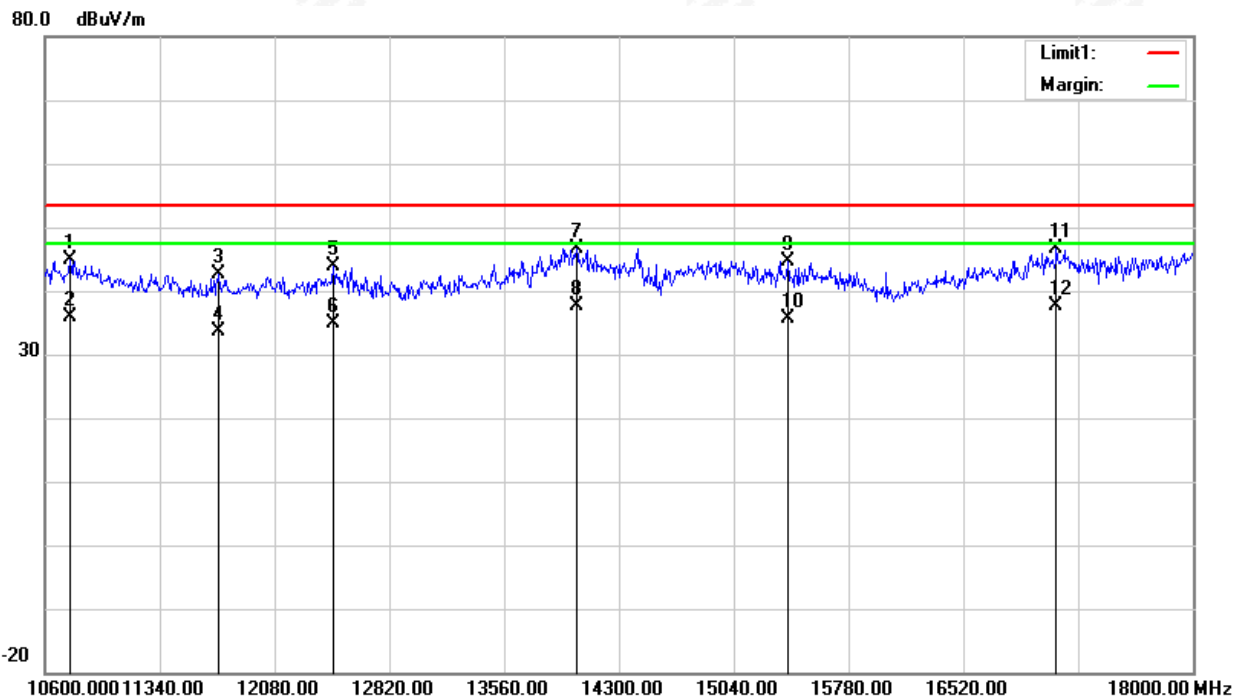


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(10600MHz – 18000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10762.800	39.24	5.67	44.91	53.44	-8.53	peak
2	10762.800	30.24	5.67	35.91	53.44	-17.53	RMS
3	11717.400	36.57	6.14	42.71	53.44	-10.73	peak
4	11717.400	27.57	6.14	33.71	53.44	-19.73	RMS
5	12457.400	37.95	5.83	43.78	53.44	-9.66	peak
6	12457.400	28.95	5.83	34.78	53.44	-18.66	RMS
7	14026.200	34.45	12.28	46.73	53.44	-6.71	peak
8	14026.200	25.45	12.28	37.73	53.44	-15.71	RMS
9	15387.800	34.83	9.80	44.63	53.44	-8.81	peak
10	15387.800	25.83	9.80	35.63	53.44	-17.81	RMS
11	17119.400	36.71	10.01	46.72	53.44	-6.72	peak
12	17119.400	27.71	10.01	37.72	53.44	-15.72	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

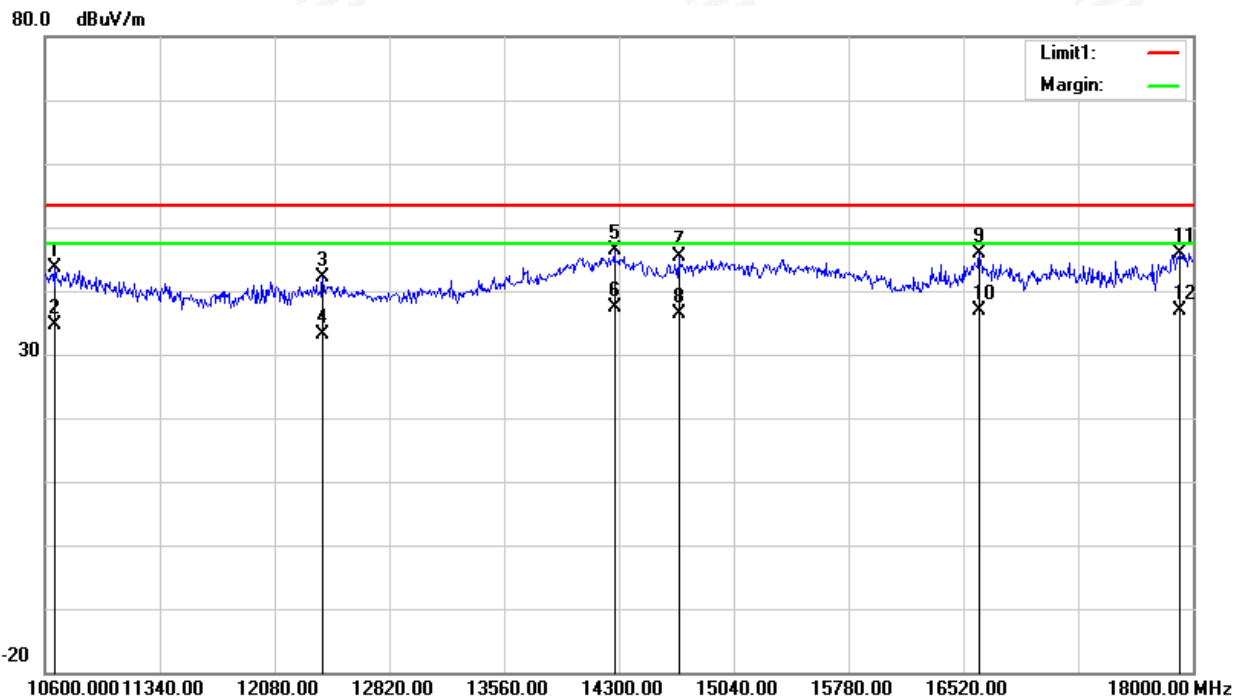


Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(10600MHz – 18000MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10666.600	38.31	5.41	43.72	53.44	-9.72	peak
2	10666.600	29.31	5.41	34.72	53.44	-18.72	RMS
3	12390.800	36.35	5.83	42.18	53.44	-11.26	peak
4	12390.800	27.35	5.83	33.18	53.44	-20.26	RMS
5	14270.400	34.60	11.83	46.43	53.44	-7.01	peak
6	14270.400	25.60	11.83	37.43	53.44	-16.01	RMS
7	14684.800	34.44	10.91	45.35	53.44	-8.09	peak
8	14684.800	25.44	10.91	36.35	53.44	-17.09	RMS
9	16623.600	36.35	9.42	45.77	53.44	-7.67	peak
10	16623.600	27.35	9.42	36.77	53.44	-16.67	RMS
11	17911.200	34.17	11.81	45.98	53.44	-7.46	peak
12	17911.200	25.17	11.81	36.98	53.44	-16.46	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(18000MHz – 40000MHz)		

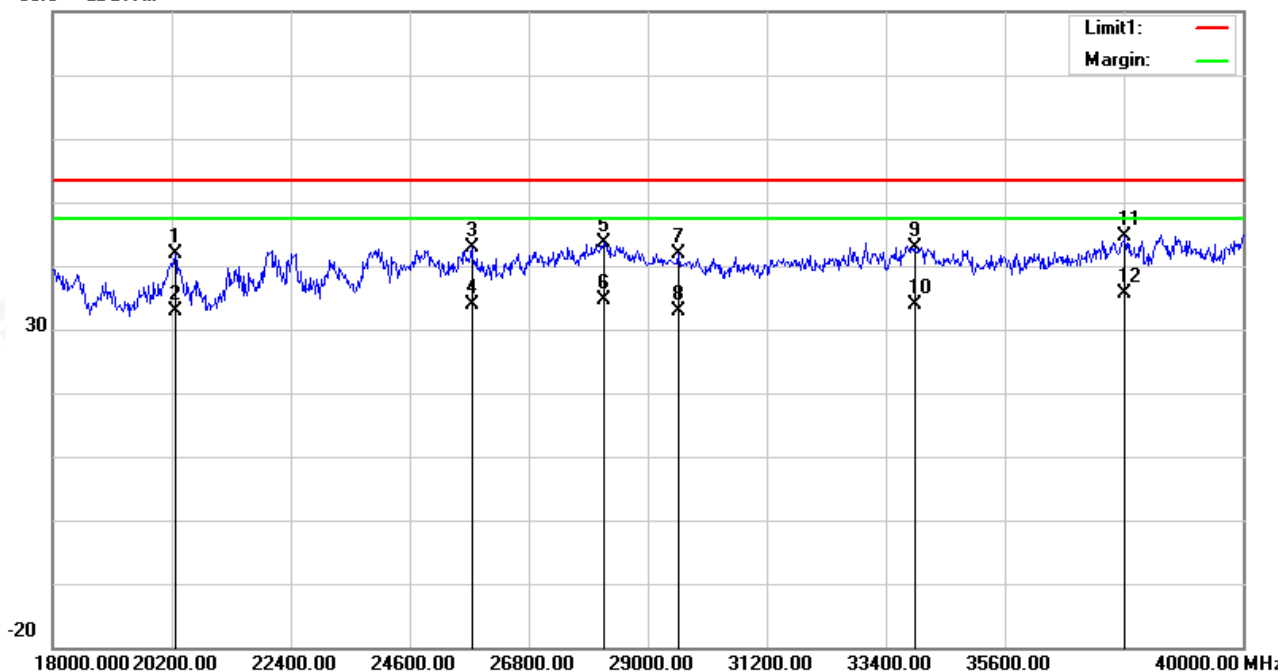
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20266.000	29.31	12.47	41.78	53.44	-11.66	peak
2	20266.000	20.31	12.47	32.78	53.44	-20.66	RMS
3	25744.000	25.16	17.62	42.78	53.44	-10.66	peak
4	25744.000	16.16	17.62	33.78	53.44	-19.66	RMS
5	28186.000	24.41	19.30	43.71	53.44	-9.73	peak
6	28186.000	15.41	19.30	34.71	53.44	-18.73	RMS
7	29572.000	25.21	16.72	41.93	53.44	-11.51	peak
8	29572.000	16.21	16.72	32.93	53.44	-20.51	RMS
9	33928.000	27.10	15.79	42.89	53.44	-10.55	peak
10	33928.000	18.10	15.79	33.89	53.44	-19.55	RMS
11	37822.000	27.07	17.57	44.64	53.44	-8.80	peak
12	37822.000	18.07	17.57	35.64	53.44	-17.80	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(18000MHz – 40000MHz)		

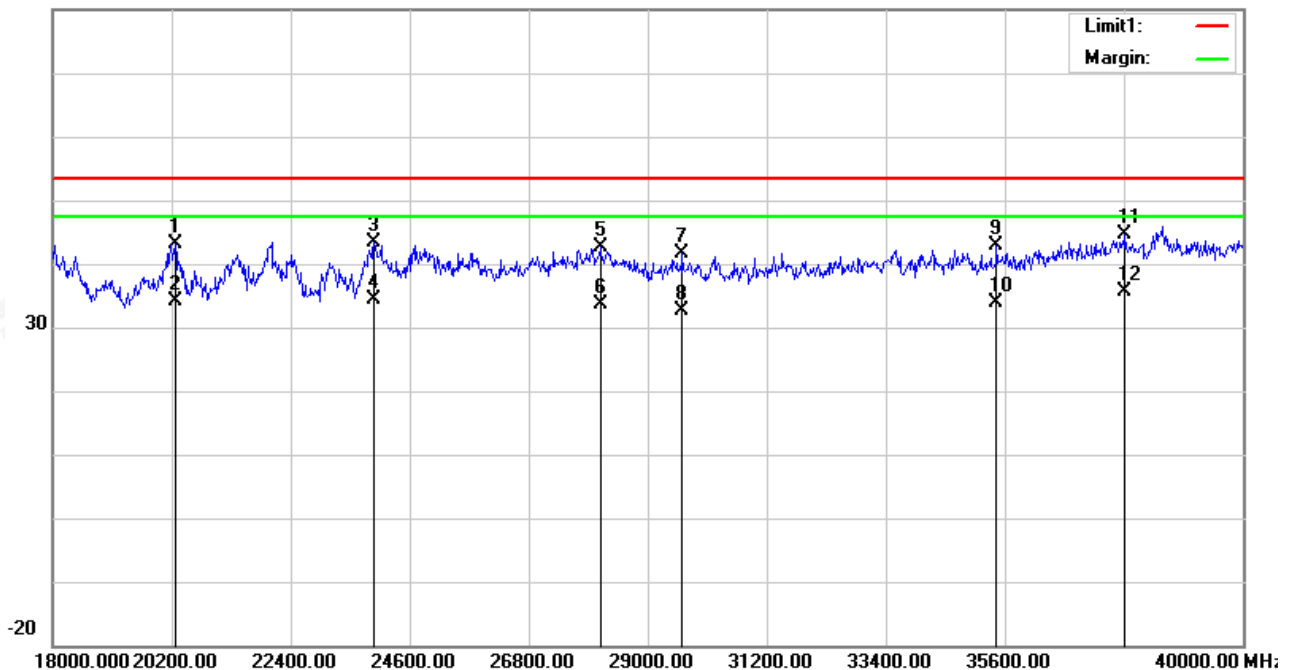
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20266.000	30.72	12.47	43.19	53.44	-10.25	peak
2	20266.000	21.72	12.47	34.19	53.44	-19.25	RMS
3	23940.000	27.39	16.05	43.44	53.44	-10.00	peak
4	23940.000	18.39	16.05	34.44	53.44	-19.00	RMS
5	28120.000	23.21	19.43	42.64	53.44	-10.80	peak
6	28120.000	14.21	19.43	33.64	53.44	-19.80	RMS
7	29638.000	24.99	16.61	41.60	53.44	-11.84	peak
8	29638.000	15.99	16.61	32.60	53.44	-20.84	RMS
9	35446.000	26.56	16.42	42.98	53.44	-10.46	peak
10	35446.000	17.56	16.42	33.98	53.44	-19.46	RMS
11	37822.000	27.01	17.57	44.58	53.44	-8.86	peak
12	37822.000	18.01	17.57	35.58	53.44	-17.86	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



FCC:

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(960MHz -1610MHz)		

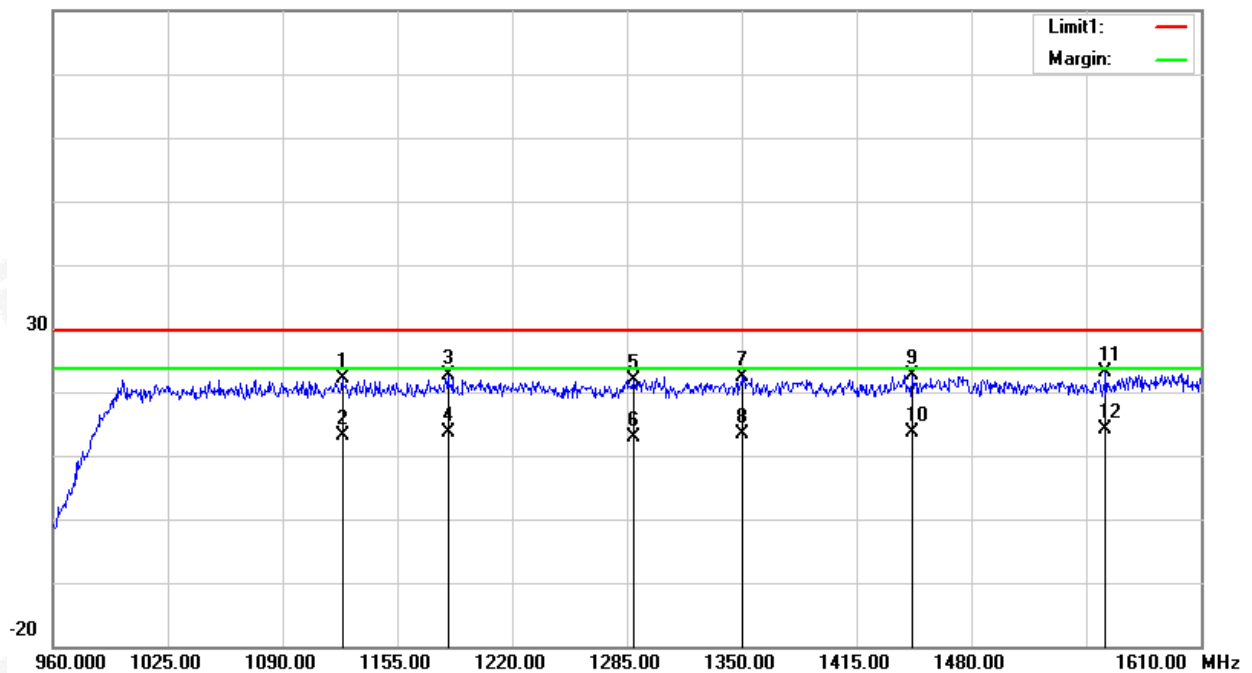
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1123.800	23.06	-1.00	22.06	29.54	-7.48	peak
2	1123.800	14.06	-1.00	13.06	29.54	-16.48	RMS
3	1183.600	23.19	-0.58	22.61	29.54	-6.93	peak
4	1183.600	14.19	-0.58	13.61	29.54	-15.93	RMS
5	1288.900	22.14	-0.21	21.93	29.54	-7.61	peak
6	1288.900	13.14	-0.21	12.93	29.54	-16.61	RMS
7	1350.000	22.37	0.06	22.43	29.54	-7.11	peak
8	1350.000	13.37	0.06	13.43	29.54	-16.11	RMS
9	1446.850	21.83	0.85	22.68	29.54	-6.86	peak
10	1446.850	12.83	0.85	13.68	29.54	-15.86	RMS
11	1556.050	20.37	2.86	23.23	29.54	-6.31	peak
12	1556.050	11.37	2.86	14.23	29.54	-15.31	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(960MHz -1610MHz)		

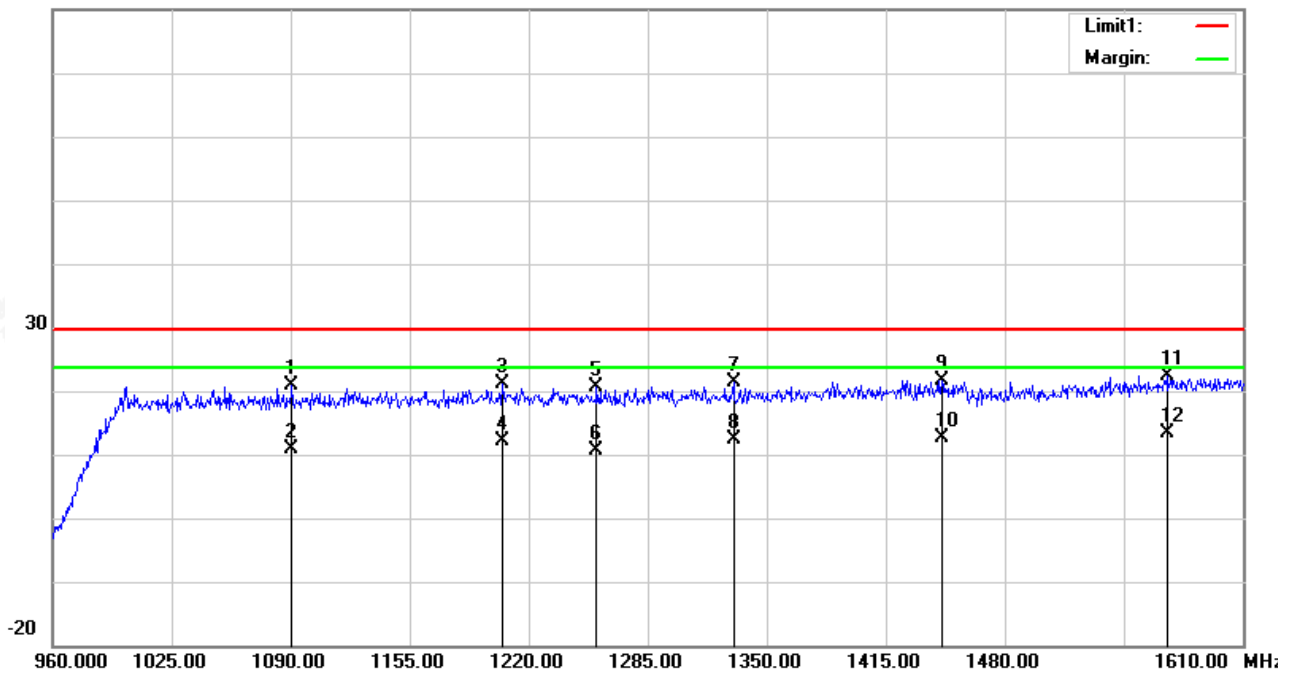
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1090.650	22.08	-1.13	20.95	29.54	-8.59	peak
2	1090.650	12.08	-1.13	10.95	29.54	-18.59	RMS
3	1205.700	21.49	-0.43	21.06	29.54	-8.48	peak
4	1205.700	12.49	-0.43	12.06	29.54	-17.48	RMS
5	1257.050	21.16	-0.46	20.70	29.54	-8.84	peak
6	1257.050	11.16	-0.46	10.70	29.54	-18.84	RMS
7	1331.800	21.34	-0.01	21.33	29.54	-8.21	peak
8	1331.800	12.34	-0.01	12.33	29.54	-17.21	RMS
9	1445.550	20.88	0.83	21.71	29.54	-7.83	peak
10	1445.550	11.88	0.83	12.71	29.54	-16.83	RMS
11	1568.400	19.23	3.25	22.48	29.54	-7.06	peak
12	1568.400	10.23	3.25	13.48	29.54	-16.06	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(1610MHz – 1990MHz)		

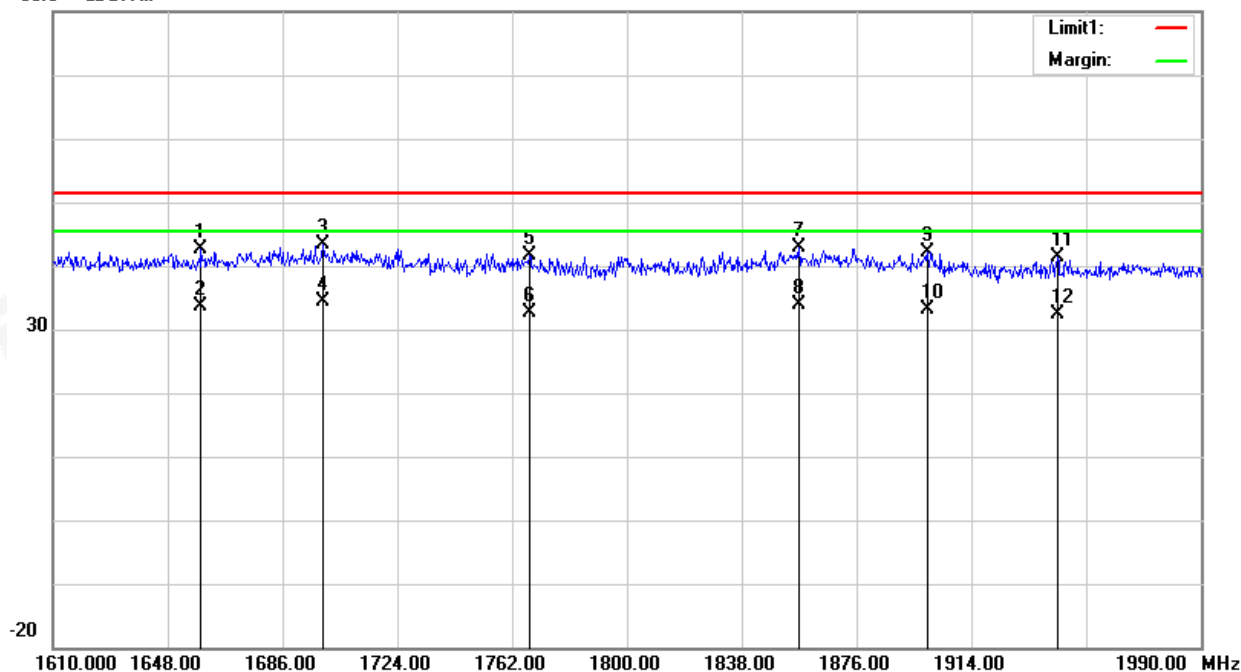
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1659.020	38.32	4.41	42.73	51.44	-8.71	peak
2	1659.020	29.32	4.41	33.73	51.44	-17.71	RMS
3	1699.300	38.05	5.21	43.26	51.44	-8.18	peak
4	1699.300	29.05	5.21	34.26	51.44	-17.18	RMS
5	1767.700	38.59	2.99	41.58	51.44	-9.86	peak
6	1767.700	29.59	2.99	32.58	51.44	-18.86	RMS
7	1857.000	40.58	2.23	42.81	51.44	-8.63	peak
8	1857.000	31.58	2.23	33.81	51.44	-17.63	RMS
9	1899.560	40.59	1.47	42.06	51.44	-9.38	peak
10	1899.560	31.59	1.47	33.06	51.44	-18.38	RMS
11	1942.500	39.77	1.51	41.28	51.44	-10.16	peak
12	1942.500	30.77	1.51	32.28	51.44	-19.16	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



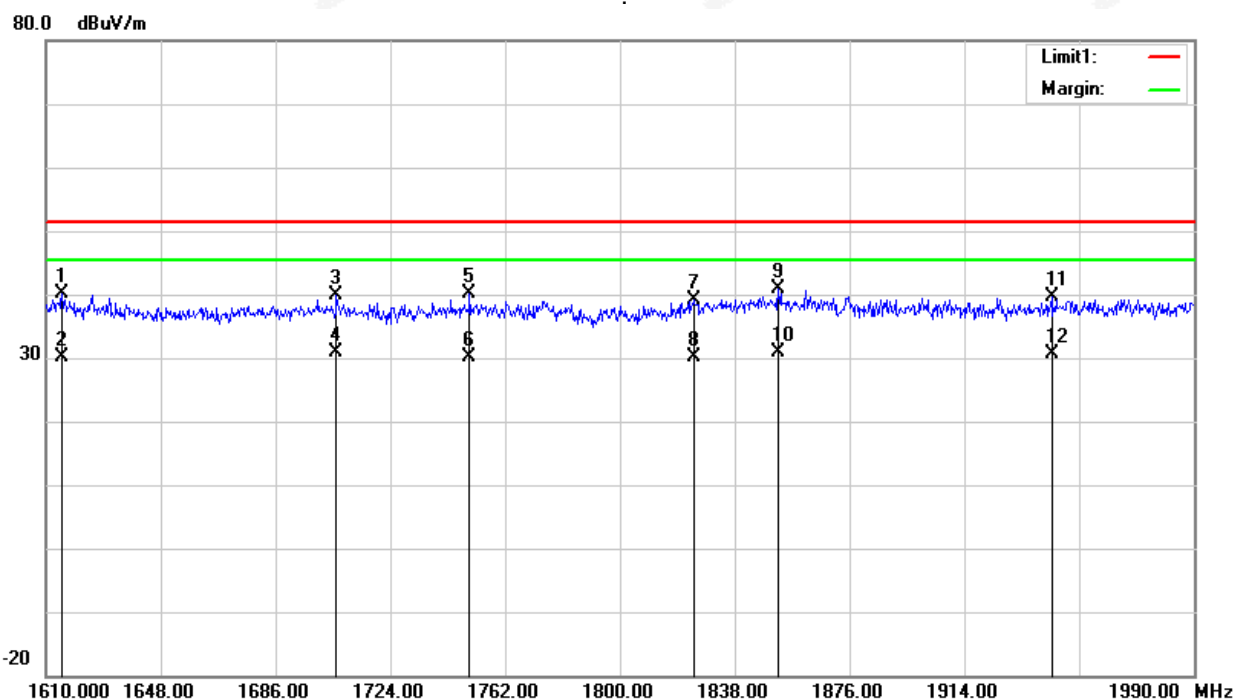
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(1610MHz – 1990MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1615.320	35.80	4.24	40.04	51.44	-11.40	peak
2	1615.320	25.80	4.24	30.04	51.44	-21.40	RMS
3	1706.140	34.88	5.03	39.91	51.44	-11.53	peak
4	1706.140	25.88	5.03	30.91	51.44	-20.53	RMS
5	1750.220	36.36	3.66	40.02	51.44	-11.42	peak
6	1750.220	26.36	3.66	30.02	51.44	-21.42	RMS
7	1824.320	37.00	2.06	39.06	51.44	-12.38	peak
8	1824.320	28.00	2.06	30.06	51.44	-21.38	RMS
9	1852.440	38.50	2.32	40.82	51.44	-10.62	peak
10	1852.440	28.50	2.32	30.82	51.44	-20.62	RMS
11	1942.880	38.12	1.51	39.63	51.44	-11.81	peak
12	1942.880	29.12	1.51	30.63	51.44	-20.81	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(1990MHz – 3100MHz)		

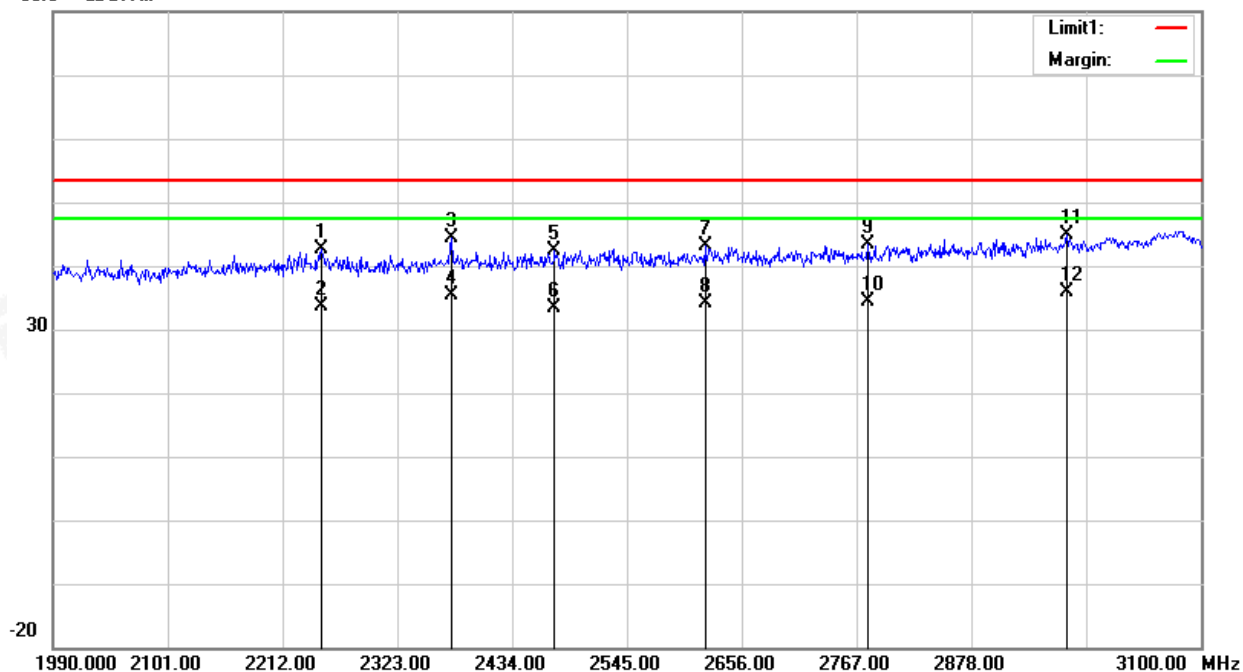
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2249.740	38.86	3.77	42.63	53.44	-10.81	peak
2	2249.740	29.86	3.77	33.63	53.44	-19.81	RMS
3	2375.170	40.15	4.12	44.27	53.44	-9.17	peak
4	2375.170	31.15	4.12	35.27	53.44	-18.17	RMS
5	2475.070	37.80	4.59	42.39	53.44	-11.05	peak
6	2475.070	28.80	4.59	33.39	53.44	-20.05	RMS
7	2620.480	37.80	5.24	43.04	53.44	-10.40	peak
8	2620.480	28.80	5.24	34.04	53.44	-19.40	RMS
9	2778.100	37.23	6.16	43.39	53.44	-10.05	peak
10	2778.100	28.23	6.16	34.39	53.44	-19.05	RMS
11	2970.130	37.80	7.00	44.80	53.44	-8.64	peak
12	2970.130	28.80	7.00	35.80	53.44	-17.64	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(1990MHz – 3100MHz)		

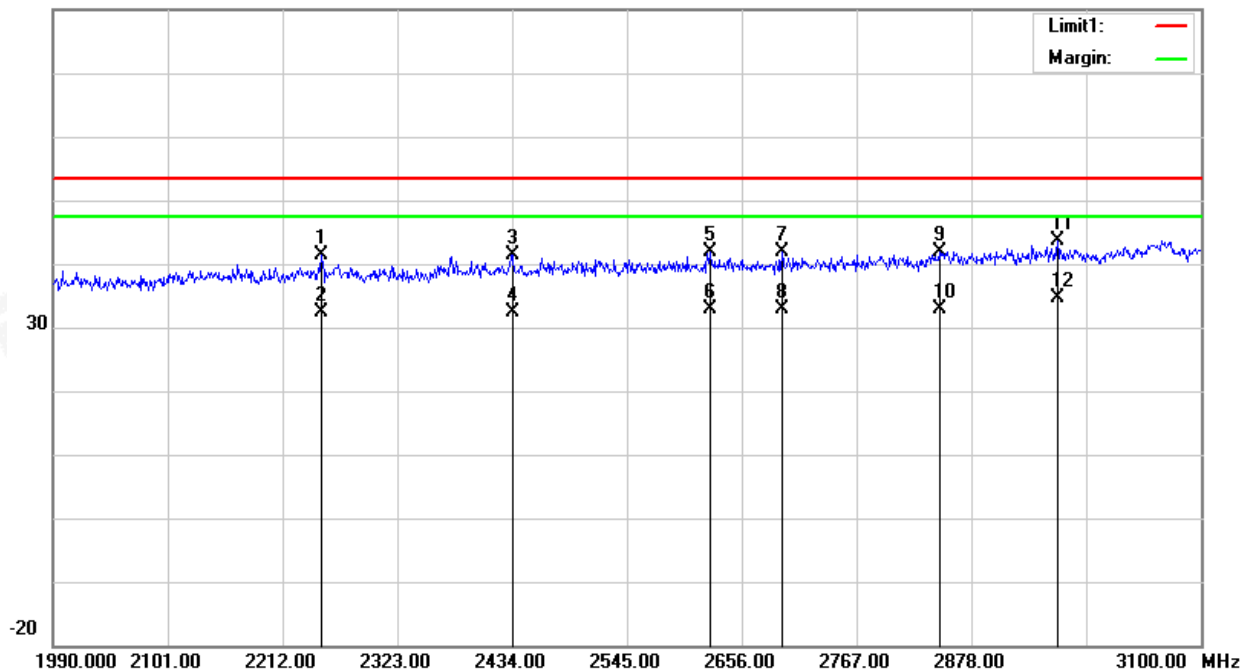
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2249.740	37.70	3.77	41.47	53.44	-11.97	peak
2	2249.740	28.70	3.77	32.47	53.44	-20.97	RMS
3	2434.000	36.85	4.51	41.36	53.44	-12.08	peak
4	2434.000	27.85	4.51	32.36	53.44	-21.08	RMS
5	2624.920	36.58	5.29	41.87	53.44	-11.57	peak
6	2624.920	27.58	5.29	32.87	53.44	-20.57	RMS
7	2694.850	36.38	5.60	41.98	53.44	-11.46	peak
8	2694.850	27.38	5.60	32.98	53.44	-20.46	RMS
9	2846.920	35.27	6.54	41.81	53.44	-11.63	peak
10	2846.920	26.27	6.54	32.81	53.44	-20.63	RMS
11	2961.250	36.62	6.99	43.61	53.44	-9.83	peak
12	2961.250	27.62	6.99	34.61	53.44	-18.83	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



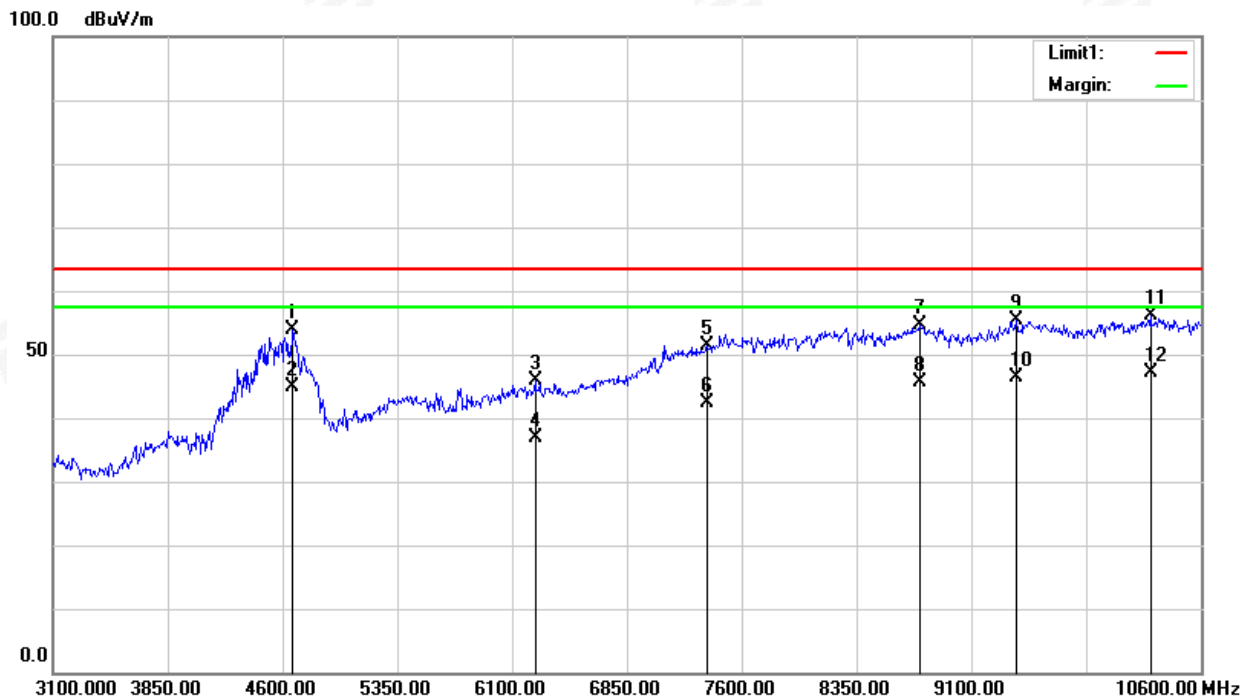
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(3100MHz – 10600MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4667.500	61.30	-7.52	53.78	63.44	-9.66	peak
2	4667.500	52.30	-7.52	44.78	63.44	-18.66	RMS
3	6250.000	48.79	-2.84	45.95	63.44	-17.49	peak
4	6250.000	39.79	-2.84	36.95	63.44	-26.49	RMS
5	7375.000	50.27	1.17	51.44	63.44	-12.00	peak
6	7375.000	41.27	1.17	42.44	63.44	-21.00	RMS
7	8762.500	51.94	2.58	54.52	63.44	-8.92	peak
8	8762.500	42.94	2.58	45.52	63.44	-17.92	RMS
9	9392.500	52.40	2.99	55.39	63.44	-8.05	peak
10	9392.500	43.40	2.99	46.39	63.44	-17.05	RMS
11	10270.000	51.91	4.23	56.14	63.44	-7.30	peak
12	10270.000	42.91	4.23	47.14	63.44	-16.30	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



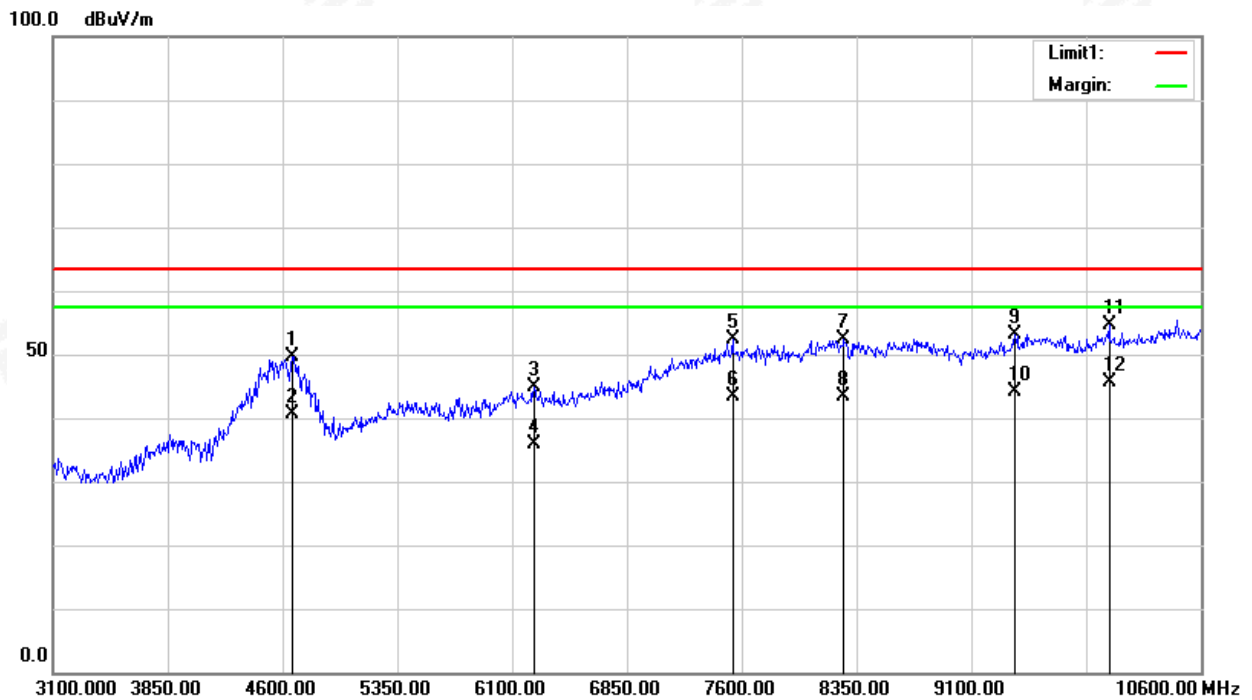
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(3100MHz – 10600MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4667.500	57.25	-7.52	49.73	63.44	-13.71	peak
2	4667.500	48.25	-7.52	40.73	63.44	-22.71	RMS
3	6242.500	47.89	-2.90	44.99	63.44	-18.45	peak
4	6242.500	38.89	-2.90	35.99	63.44	-27.45	RMS
5	7540.000	50.69	1.67	52.36	63.44	-11.08	peak
6	7540.000	41.69	1.67	43.36	63.44	-20.08	RMS
7	8267.500	49.95	2.47	52.42	63.44	-11.02	peak
8	8267.500	40.95	2.47	43.42	63.44	-20.02	RMS
9	9385.000	50.09	2.98	53.07	63.44	-10.37	peak
10	9385.000	41.09	2.98	44.07	63.44	-19.37	RMS
11	10000.000	51.18	3.36	54.54	63.44	-8.90	peak
12	10000.000	42.18	3.36	45.54	63.44	-17.90	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(10600MHz – 18000MHz)		

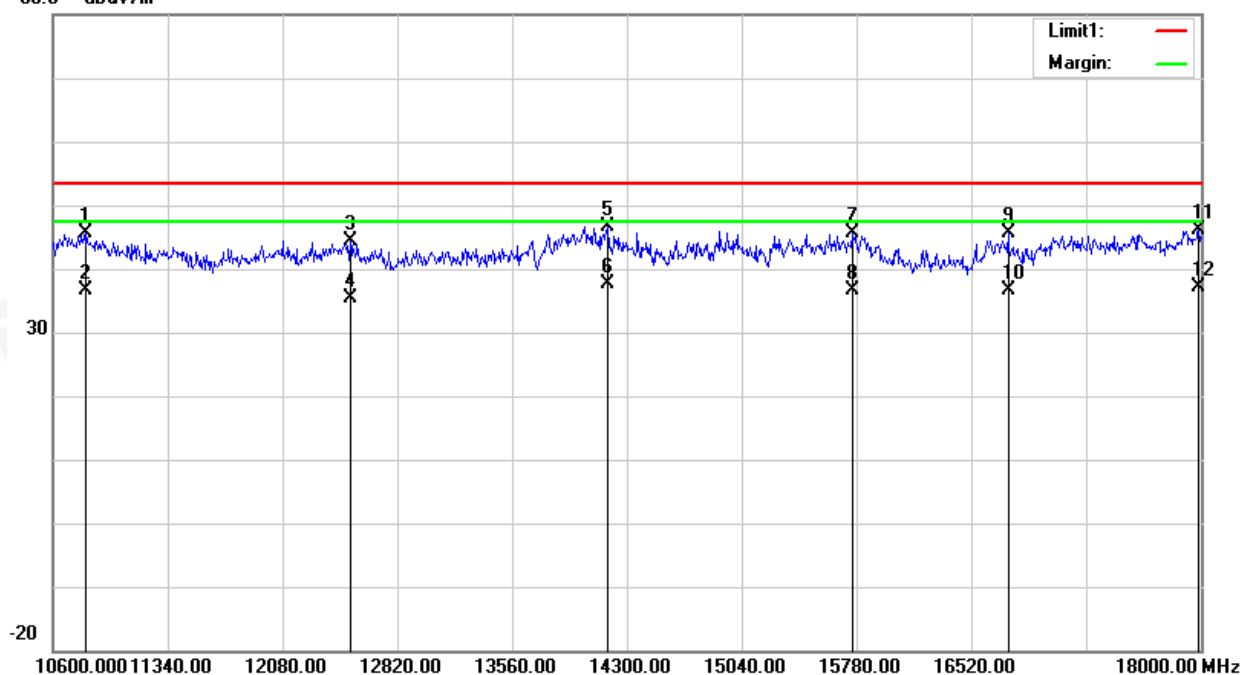
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10814.600	39.72	5.80	45.52	53.44	-7.92	peak
2	10814.600	30.72	5.80	36.52	53.44	-16.92	RMS
3	12516.600	38.53	5.85	44.38	53.44	-9.06	peak
4	12516.600	29.53	5.85	35.38	53.44	-18.06	RMS
5	14174.200	34.75	12.00	46.75	53.44	-6.69	peak
6	14174.200	25.75	12.00	37.75	53.44	-15.69	RMS
7	15750.400	37.35	8.17	45.52	53.44	-7.92	peak
8	15750.400	28.35	8.17	36.52	53.44	-16.92	RMS
9	16756.800	35.97	9.56	45.53	53.44	-7.91	peak
10	16756.800	26.97	9.56	36.53	53.44	-16.91	RMS
11	17985.200	34.13	12.02	46.15	53.44	-7.29	peak
12	17985.200	25.13	12.02	37.15	53.44	-16.29	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(10600MHz – 18000MHz)		

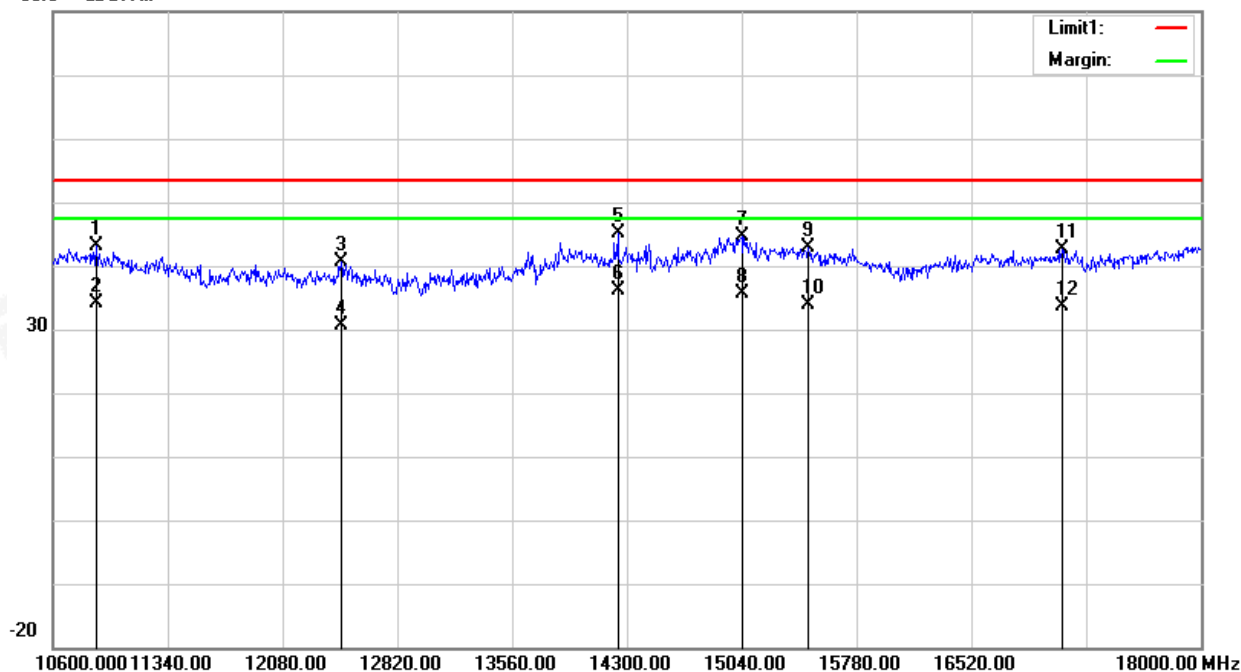
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10881.200	37.14	5.97	43.11	53.44	-10.33	peak
2	10881.200	28.14	5.97	34.11	53.44	-19.33	RMS
3	12457.400	34.76	5.83	40.59	53.44	-12.85	peak
4	12457.400	24.76	5.83	30.59	53.44	-22.85	RMS
5	14240.800	33.15	11.88	45.03	53.44	-8.41	peak
6	14240.800	24.15	11.88	36.03	53.44	-17.41	RMS
7	15040.000	34.58	10.04	44.62	53.44	-8.82	peak
8	15040.000	25.58	10.04	35.62	53.44	-17.82	RMS
9	15469.200	33.12	9.75	42.87	53.44	-10.57	peak
10	15469.200	24.12	9.75	33.87	53.44	-19.57	RMS
11	17104.600	32.67	9.99	42.66	53.44	-10.78	peak
12	17104.600	23.67	9.99	33.66	53.44	-19.78	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(18000MHz – 40000MHz)		

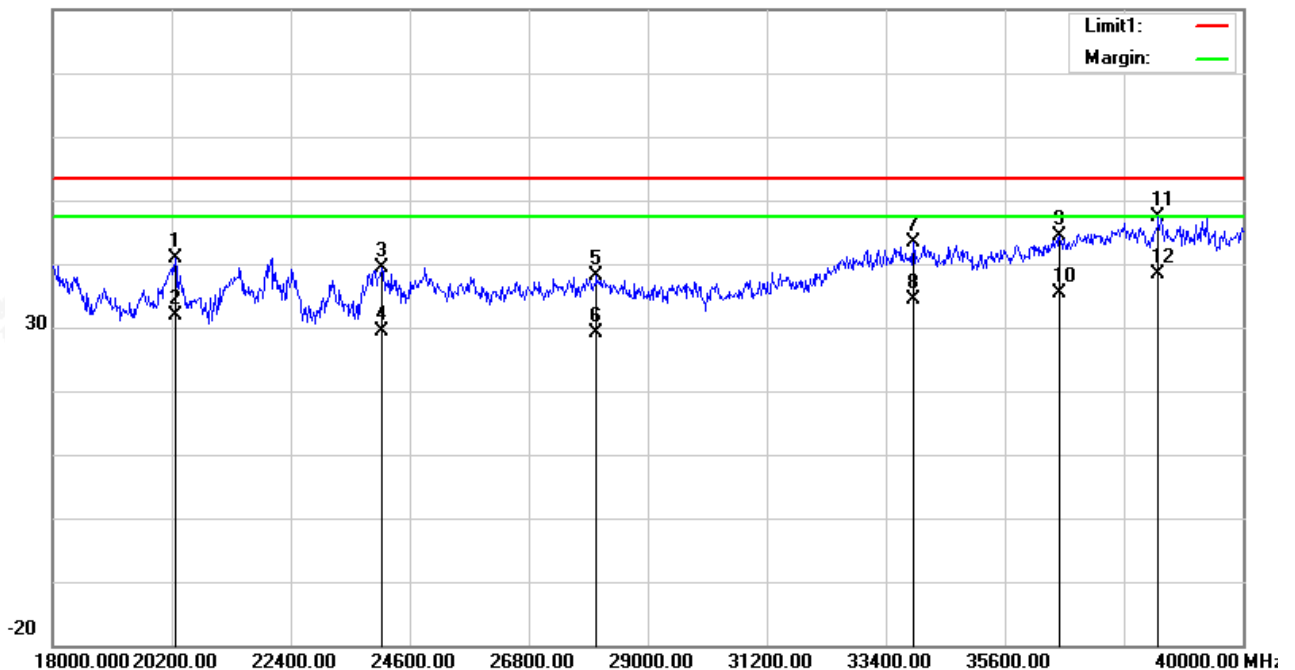
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20266.000	28.48	12.47	40.95	53.44	-12.49	peak
2	20266.000	19.48	12.47	31.95	53.44	-21.49	RMS
3	24094.000	23.28	16.20	39.48	53.44	-13.96	peak
4	24094.000	13.28	16.20	29.48	53.44	-23.96	RMS
5	28054.000	18.57	19.55	38.12	53.44	-15.32	peak
6	28054.000	9.57	19.55	29.12	53.44	-24.32	RMS
7	33906.000	27.50	15.79	43.29	53.44	-10.15	peak
8	33906.000	18.50	15.79	34.29	53.44	-19.15	RMS
9	36612.000	27.50	16.97	44.47	53.44	-8.97	peak
10	36612.000	18.50	16.97	35.47	53.44	-17.97	RMS
11	38438.000	29.42	17.90	47.32	53.44	-6.12	peak
12	38438.000	20.42	17.90	38.32	53.44	-15.12	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(18000MHz – 40000MHz)		

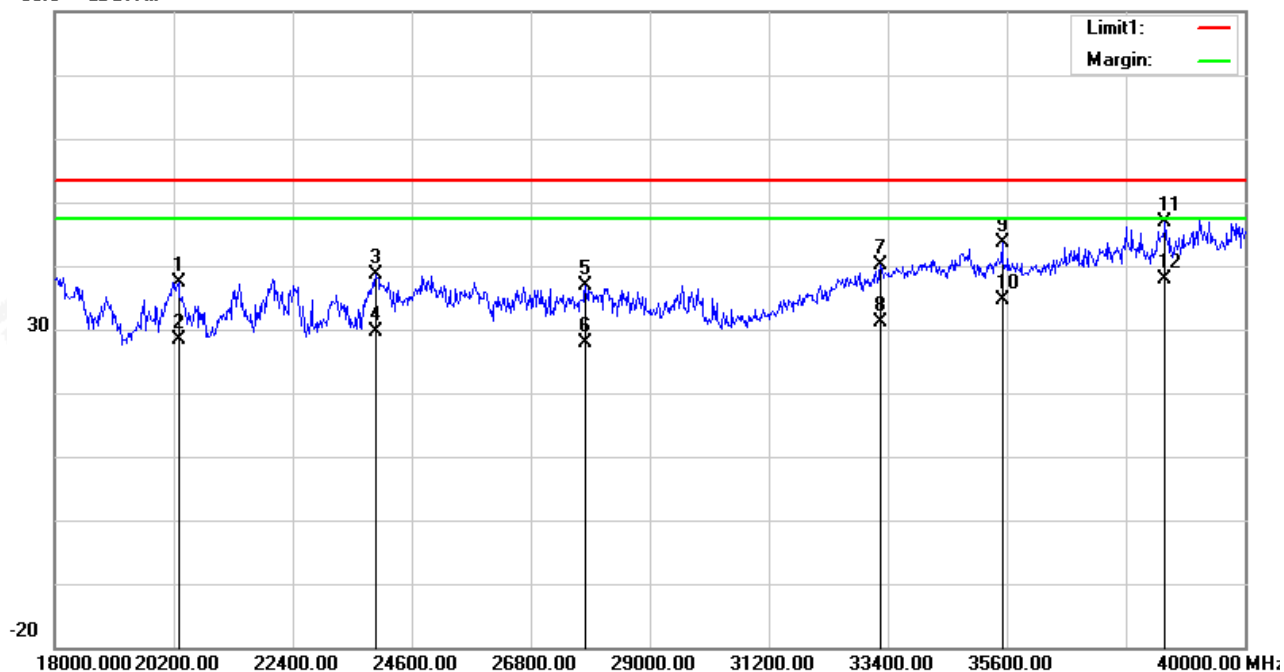
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20288.000	25.16	12.26	37.42	53.44	-16.02	peak
2	20288.000	16.16	12.26	28.42	53.44	-25.02	RMS
3	23940.000	22.46	16.05	38.51	53.44	-14.93	peak
4	23940.000	13.46	16.05	29.51	53.44	-23.93	RMS
5	27812.000	17.36	19.48	36.84	53.44	-16.60	peak
6	27812.000	8.36	19.48	27.84	53.44	-25.60	RMS
7	33268.000	24.35	15.68	40.03	53.44	-13.41	peak
8	33268.000	15.35	15.68	31.03	53.44	-22.41	RMS
9	35512.000	27.07	16.45	43.52	53.44	-9.92	peak
10	35512.000	18.07	16.45	34.52	53.44	-18.92	RMS
11	38526.000	29.00	17.95	46.95	53.44	-6.49	peak
12	38526.000	20.00	17.95	37.95	53.44	-15.49	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



IC:

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(960MHz -1610MHz)		

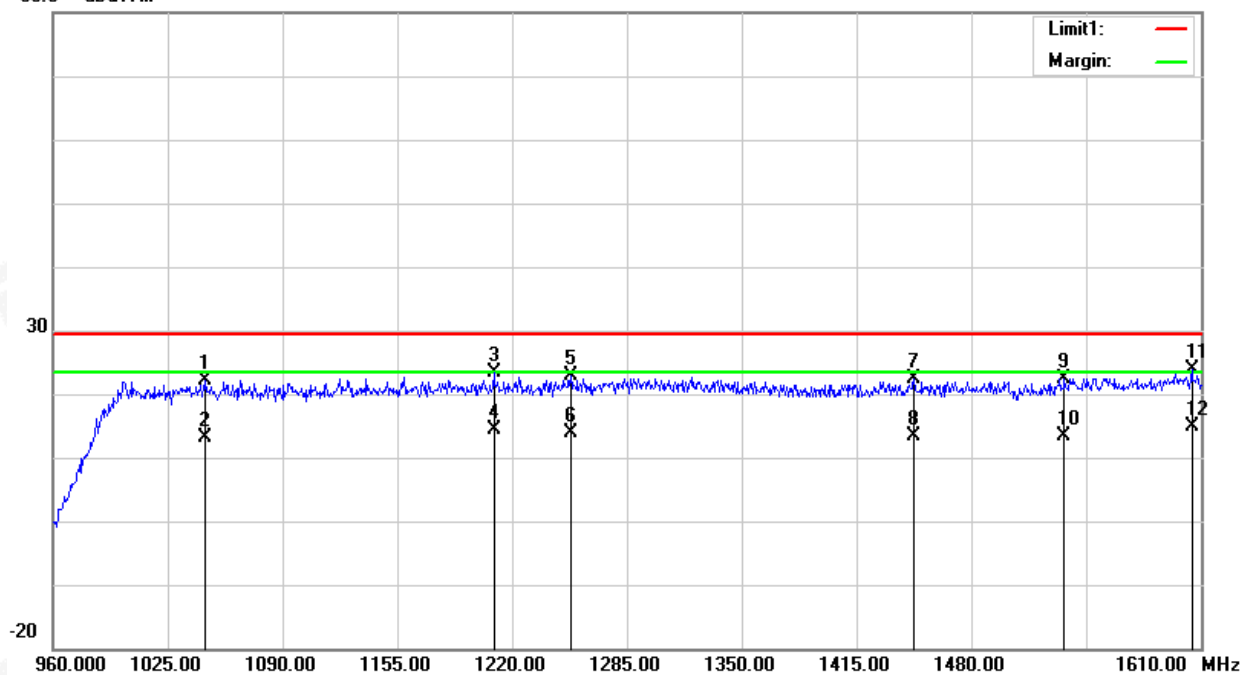
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1046.450	23.50	-1.39	22.11	29.44	-7.33	peak
2	1046.450	14.50	-1.39	13.11	29.44	-16.33	RMS
3	1209.600	23.69	-0.43	23.26	29.44	-6.18	peak
4	1209.600	14.69	-0.43	14.26	29.44	-15.18	RMS
5	1253.150	23.29	-0.49	22.80	29.44	-6.64	peak
6	1253.150	14.29	-0.49	13.80	29.44	-15.64	RMS
7	1447.500	21.48	0.86	22.34	29.44	-7.10	peak
8	1447.500	12.48	0.86	13.34	29.44	-16.10	RMS
9	1532.650	20.20	2.26	22.46	29.44	-6.98	peak
10	1532.650	11.20	2.26	13.46	29.44	-15.98	RMS
11	1604.800	19.74	4.24	23.98	29.44	-5.46	peak
12	1604.800	10.74	4.24	14.98	29.44	-14.46	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(960MHz -1610MHz)		

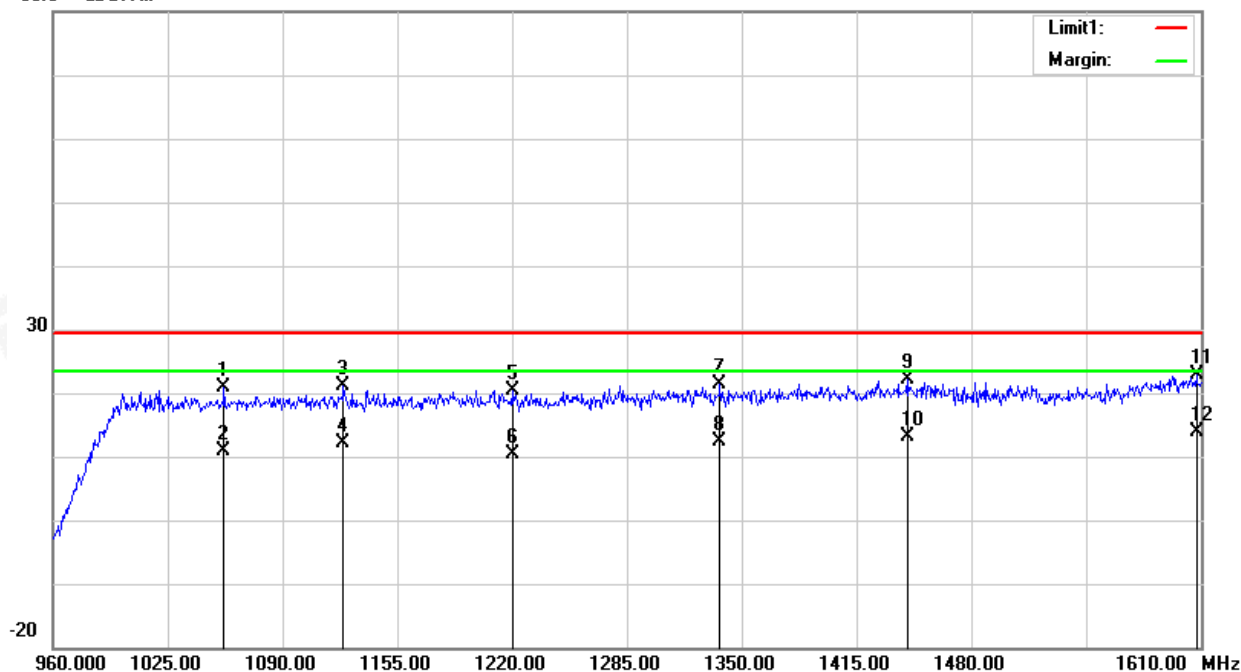
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1056.850	22.32	-1.33	20.99	29.44	-8.45	peak
2	1056.850	12.32	-1.33	10.99	29.44	-18.45	RMS
3	1124.450	22.10	-1.00	21.10	29.44	-8.34	peak
4	1124.450	13.10	-1.00	12.10	29.44	-17.34	RMS
5	1220.000	20.74	-0.45	20.29	29.44	-9.15	peak
6	1220.000	10.74	-0.45	10.29	29.44	-19.15	RMS
7	1337.650	21.37	0.01	21.38	29.44	-8.06	peak
8	1337.650	12.37	0.01	12.38	29.44	-17.06	RMS
9	1443.600	21.29	0.81	22.10	29.44	-7.34	peak
10	1443.600	12.29	0.81	13.10	29.44	-16.34	RMS
11	1607.400	18.62	4.24	22.86	29.44	-6.58	peak
12	1607.400	9.62	4.24	13.86	29.44	-15.58	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(1610MHz – 3000MHz)		

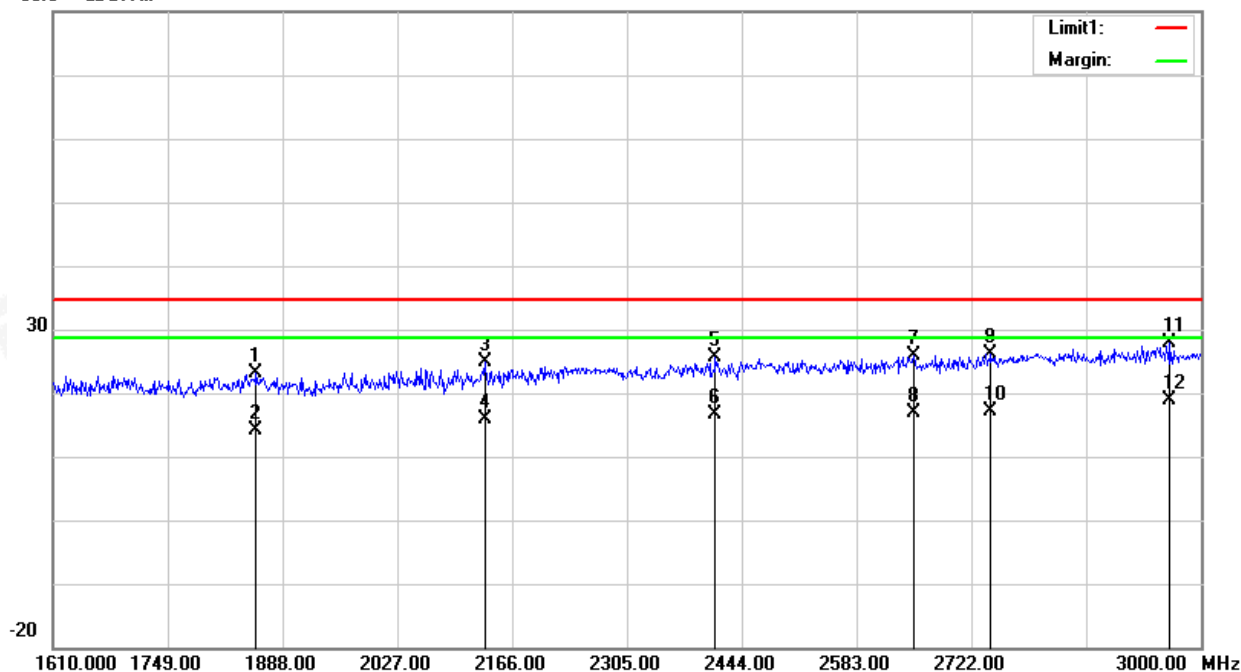
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1856.030	20.81	2.24	23.05	34.74	-11.69	peak
2	1856.030	11.81	2.24	14.05	34.74	-20.69	RMS
3	2132.640	21.79	2.99	24.78	34.74	-9.96	peak
4	2132.640	12.79	2.99	15.78	34.74	-18.96	RMS
5	2412.030	21.11	4.50	25.61	34.74	-9.13	peak
6	2412.030	12.11	4.50	16.61	34.74	-18.13	RMS
7	2652.500	20.30	5.55	25.85	34.74	-8.89	peak
8	2652.500	11.30	5.55	16.85	34.74	-17.89	RMS
9	2745.630	20.00	6.03	26.03	34.74	-8.71	peak
10	2745.630	11.00	6.03	17.03	34.74	-17.71	RMS
11	2962.470	20.77	6.99	27.76	34.74	-6.98	peak
12	2962.470	11.77	6.99	18.76	34.74	-15.98	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(1610MHz – 3000MHz)		

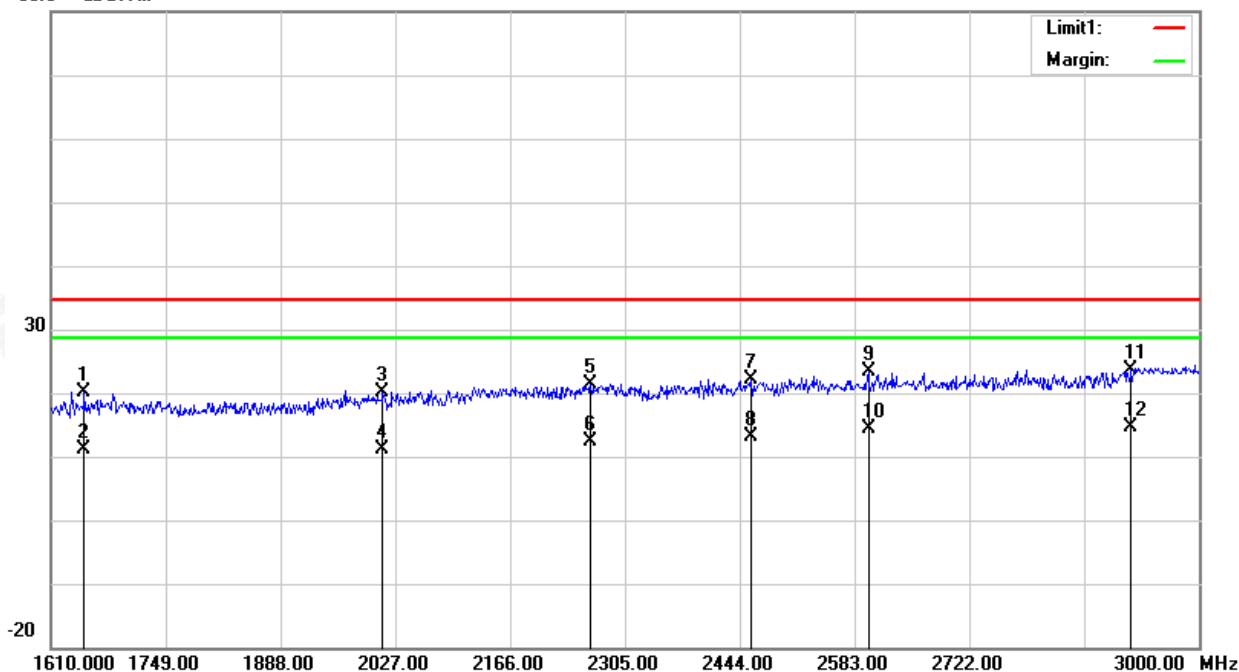
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1650.310	15.88	4.25	20.13	34.74	-14.61	peak
2	1650.310	6.88	4.25	11.13	34.74	-23.61	RMS
3	2011.710	18.15	2.03	20.18	34.74	-14.56	peak
4	2011.710	9.15	2.03	11.18	34.74	-23.56	RMS
5	2263.300	17.80	3.69	21.49	34.74	-13.25	peak
6	2263.300	8.80	3.69	12.49	34.74	-22.25	RMS
7	2457.900	17.58	4.54	22.12	34.74	-12.62	peak
8	2457.900	8.58	4.54	13.12	34.74	-21.62	RMS
9	2599.680	18.23	5.03	23.26	34.74	-11.48	peak
10	2599.680	9.23	5.03	14.26	34.74	-20.48	RMS
11	2917.990	16.89	6.81	23.70	34.74	-11.04	peak
12	2917.990	7.89	6.81	14.70	34.74	-20.04	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(3000MHz –4750MHz)		

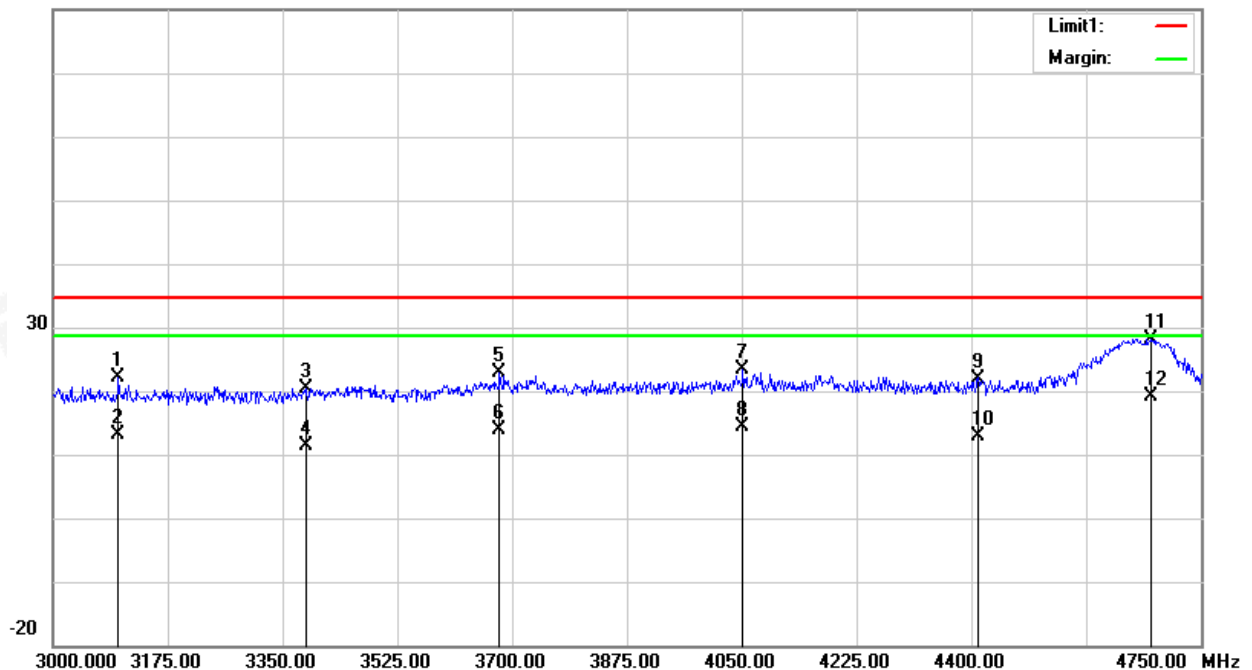
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3099.750	34.59	-12.41	22.18	34.74	-12.56	peak
2	3099.750	25.59	-12.41	13.18	34.74	-21.56	RMS
3	3385.000	32.07	-11.66	20.41	34.74	-14.33	peak
4	3385.000	23.07	-11.66	11.41	34.74	-23.33	RMS
5	3680.750	33.53	-10.61	22.92	34.74	-11.82	peak
6	3680.750	24.53	-10.61	13.92	34.74	-20.82	RMS
7	4051.750	32.67	-9.36	23.31	34.74	-11.43	peak
8	4051.750	23.67	-9.36	14.31	34.74	-20.43	RMS
9	4410.500	30.04	-8.04	22.00	34.74	-12.74	peak
10	4410.500	21.04	-8.04	13.00	34.74	-21.74	RMS
11	4674.750	35.64	-7.49	28.15	34.74	-6.59	peak
12	4674.750	26.64	-7.49	19.15	34.74	-15.59	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(3000MHz –4750MHz)		

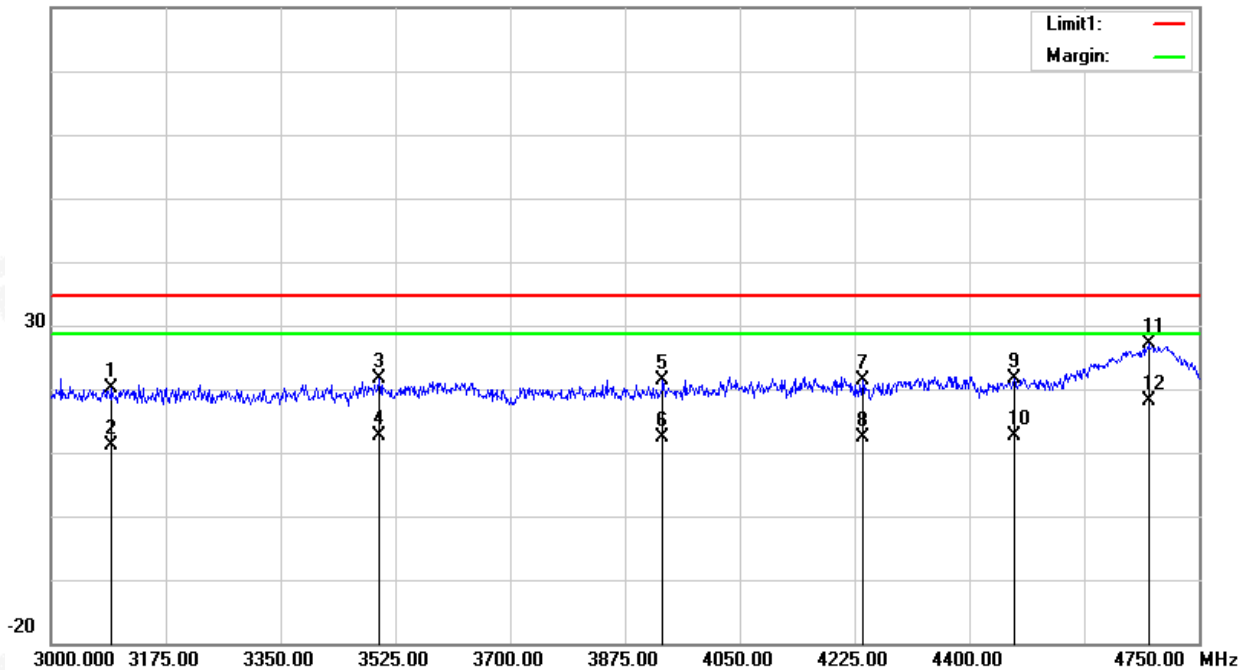
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3092.750	32.44	-12.42	20.02	34.74	-14.72	peak
2	3092.750	23.44	-12.42	11.02	34.74	-23.72	RMS
3	3500.500	33.19	-11.48	21.71	34.74	-13.03	peak
4	3500.500	24.19	-11.48	12.71	34.74	-22.03	RMS
5	3932.750	31.34	-9.99	21.35	34.74	-13.39	peak
6	3932.750	22.34	-9.99	12.35	34.74	-22.39	RMS
7	4237.250	29.89	-8.40	21.49	34.74	-13.25	peak
8	4237.250	20.89	-8.40	12.49	34.74	-22.25	RMS
9	4468.250	29.66	-7.98	21.68	34.74	-13.06	peak
10	4468.250	20.66	-7.98	12.68	34.74	-22.06	RMS
11	4673.000	34.52	-7.49	27.03	34.74	-7.71	peak
12	4673.000	25.52	-7.49	18.03	34.74	-16.71	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(4750MHz – 10600MHz)		

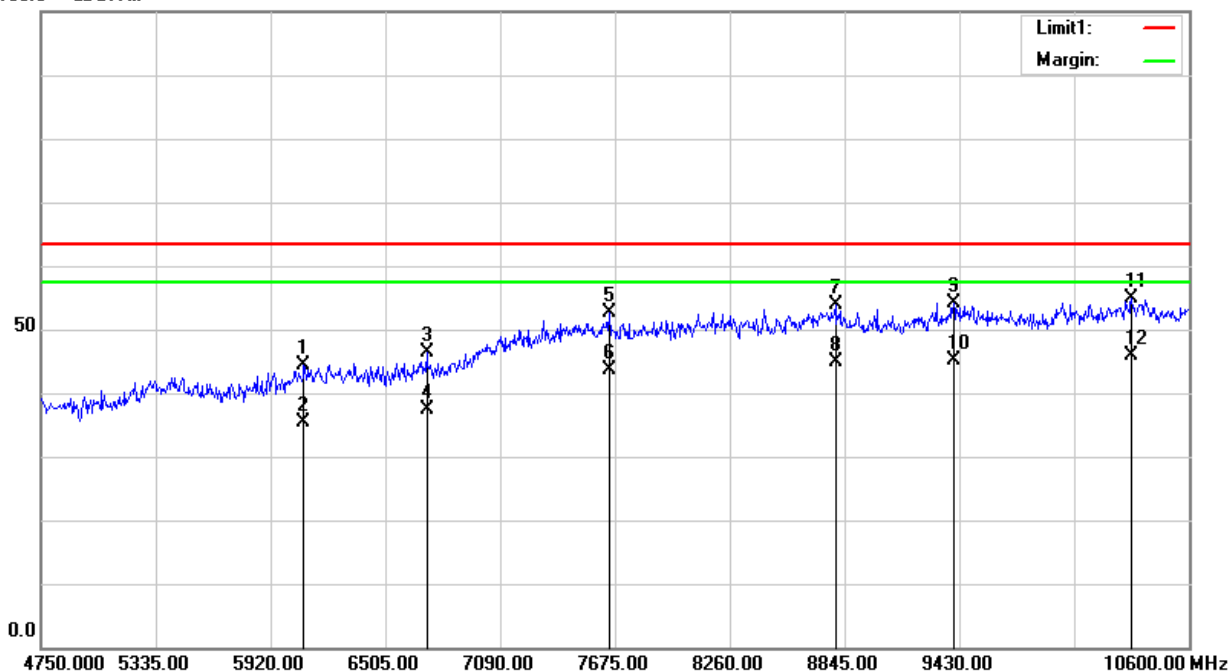
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6089.650	47.92	-3.42	44.50	63.44	-18.94	peak
2	6089.650	38.92	-3.42	35.50	63.44	-27.94	RMS
3	6715.600	47.35	-0.99	46.36	63.44	-17.08	peak
4	6715.600	38.35	-0.99	37.36	63.44	-26.08	RMS
5	7645.750	50.78	1.79	52.57	63.44	-10.87	peak
6	7645.750	41.78	1.79	43.57	63.44	-19.87	RMS
7	8798.200	51.21	2.57	53.78	63.44	-9.66	peak
8	8798.200	42.21	2.57	44.78	63.44	-18.66	RMS
9	9400.750	51.09	3.00	54.09	63.44	-9.35	peak
10	9400.750	42.09	3.00	45.09	63.44	-18.35	RMS
11	10307.500	50.53	4.35	54.88	63.44	-8.56	peak
12	10307.500	41.53	4.35	45.88	63.44	-17.56	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(4750MHz – 10600MHz)		

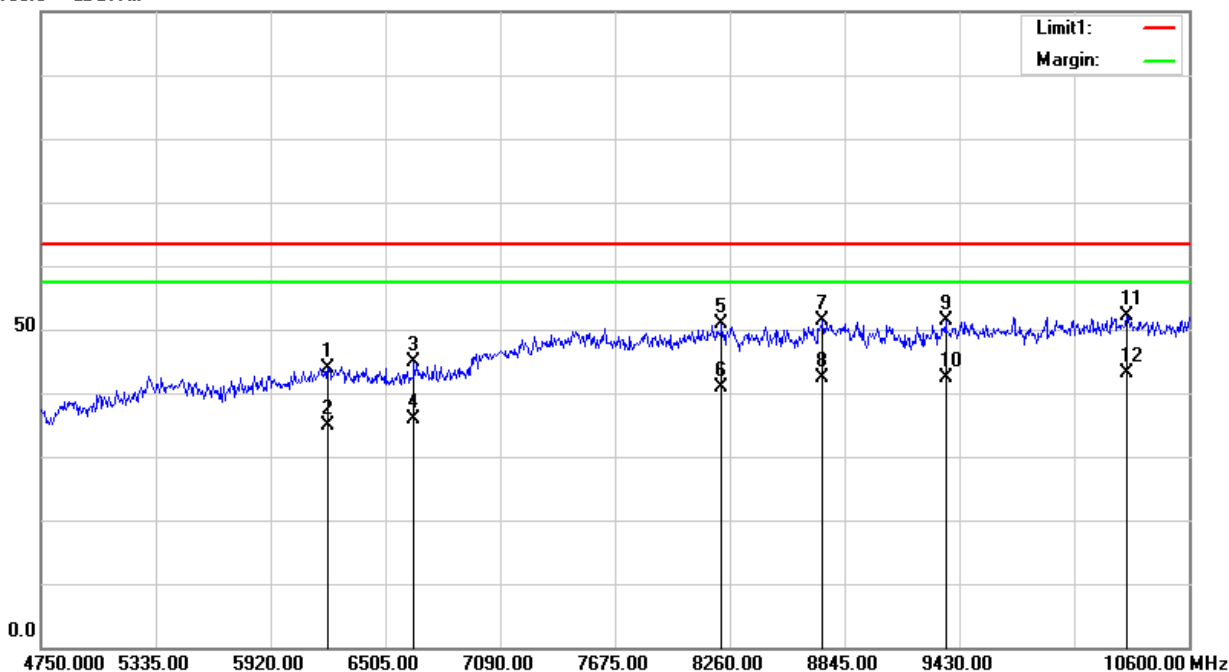
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6212.500	47.06	-3.14	43.92	63.44	-19.52	peak
2	6212.500	38.06	-3.14	34.92	63.44	-28.52	RMS
3	6651.250	46.14	-1.38	44.76	63.44	-18.68	peak
4	6651.250	37.14	-1.38	35.76	63.44	-27.68	RMS
5	8219.050	48.51	2.41	50.92	63.44	-12.52	peak
6	8219.050	38.51	2.41	40.92	63.44	-22.52	RMS
7	8733.850	48.81	2.59	51.40	63.44	-12.04	peak
8	8733.850	39.81	2.59	42.40	63.44	-21.04	RMS
9	9359.800	48.54	2.95	51.49	63.44	-11.95	peak
10	9359.800	39.54	2.95	42.49	63.44	-20.95	RMS
11	10284.100	47.91	4.28	52.19	63.44	-11.25	peak
12	10284.100	38.91	4.28	43.19	63.44	-20.25	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(10600MHz – 18000MHz)		

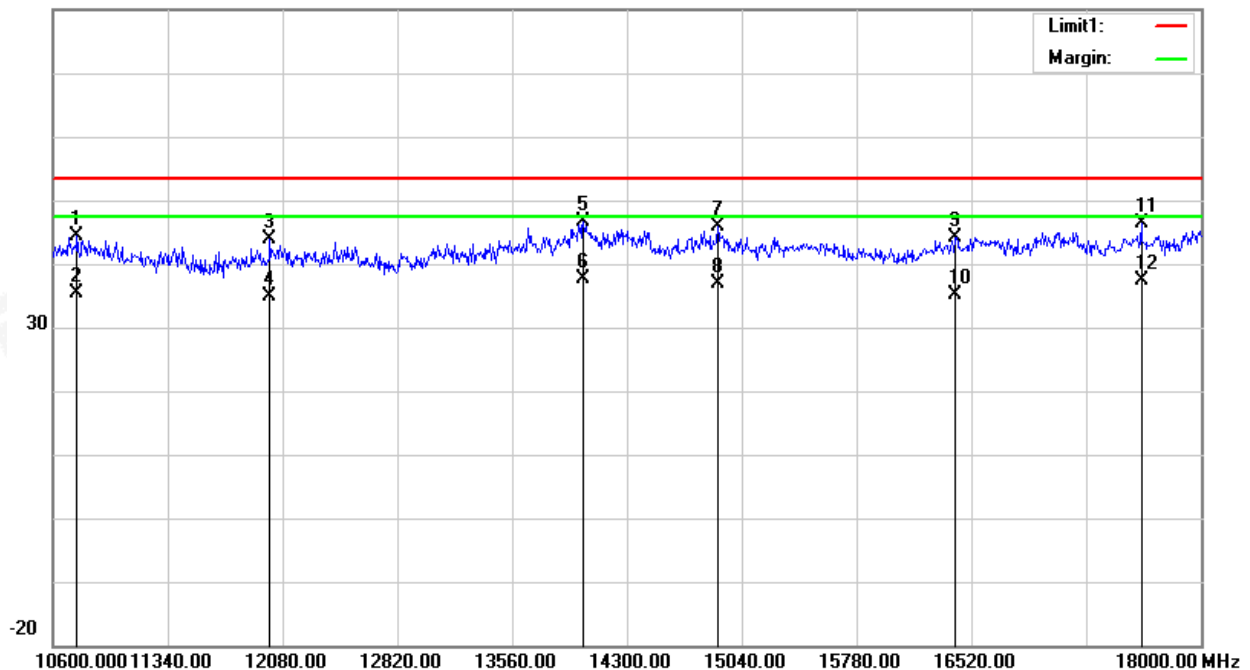
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10755.400	38.75	5.65	44.40	53.44	-9.04	peak
2	10755.400	29.75	5.65	35.40	53.44	-18.04	RMS
3	11998.600	38.10	5.80	43.90	53.44	-9.54	peak
4	11998.600	29.10	5.80	34.90	53.44	-18.54	RMS
5	14018.800	34.28	12.29	46.57	53.44	-6.87	peak
6	14018.800	25.28	12.29	37.57	53.44	-15.87	RMS
7	14884.600	35.55	10.37	45.92	53.44	-7.52	peak
8	14884.600	26.55	10.37	36.92	53.44	-16.52	RMS
9	16416.400	35.34	8.84	44.18	53.44	-9.26	peak
10	16416.400	26.34	8.84	35.18	53.44	-18.26	RMS
11	17615.200	35.41	10.97	46.38	53.44	-7.06	peak
12	17615.200	26.41	10.97	37.38	53.44	-16.06	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(10600MHz – 18000MHz)		

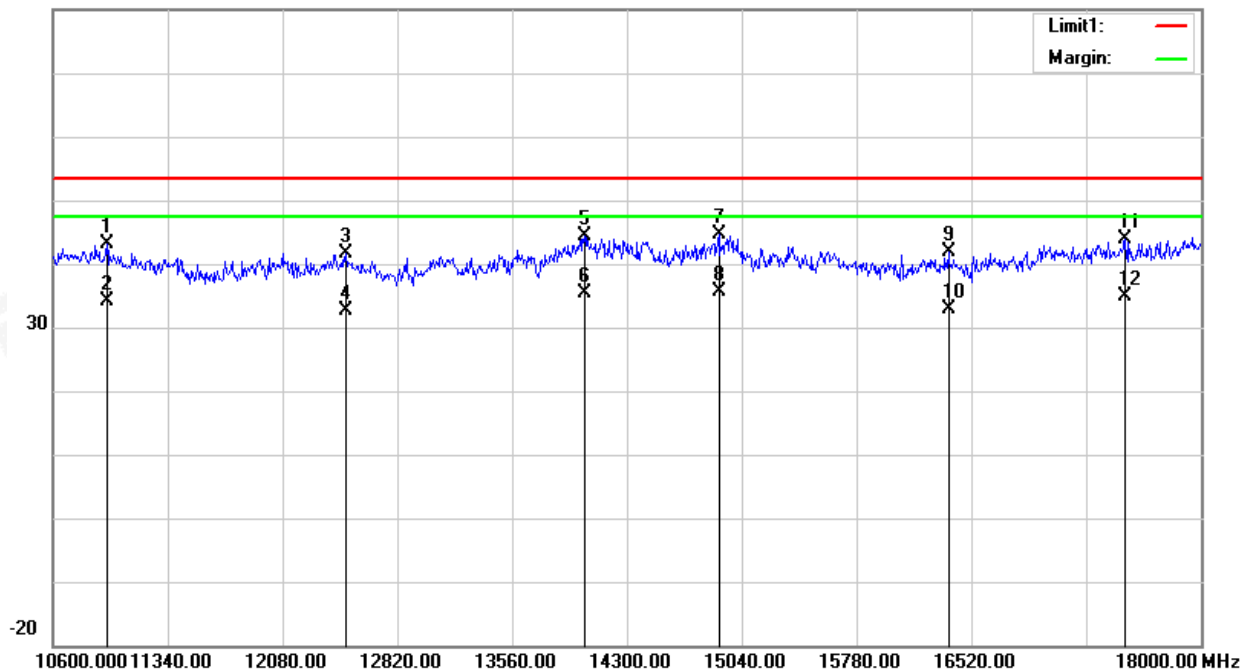
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	10947.800	37.04	6.16	43.20	53.44	-10.24	peak
2	10947.800	28.04	6.16	34.20	53.44	-19.24	RMS
3	12487.000	35.78	5.83	41.61	53.44	-11.83	peak
4	12487.000	26.78	5.83	32.61	53.44	-20.83	RMS
5	14026.200	32.08	12.28	44.36	53.44	-9.08	peak
6	14026.200	23.08	12.28	35.36	53.44	-18.08	RMS
7	14892.000	34.16	10.35	44.51	53.44	-8.93	peak
8	14892.000	25.16	10.35	35.51	53.44	-17.93	RMS
9	16372.000	33.38	8.61	41.99	53.44	-11.45	peak
10	16372.000	24.38	8.61	32.99	53.44	-20.45	RMS
11	17511.600	33.28	10.67	43.95	53.44	-9.49	peak
12	17511.600	24.28	10.67	34.95	53.44	-18.49	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(18000MHz – 40000MHz)		

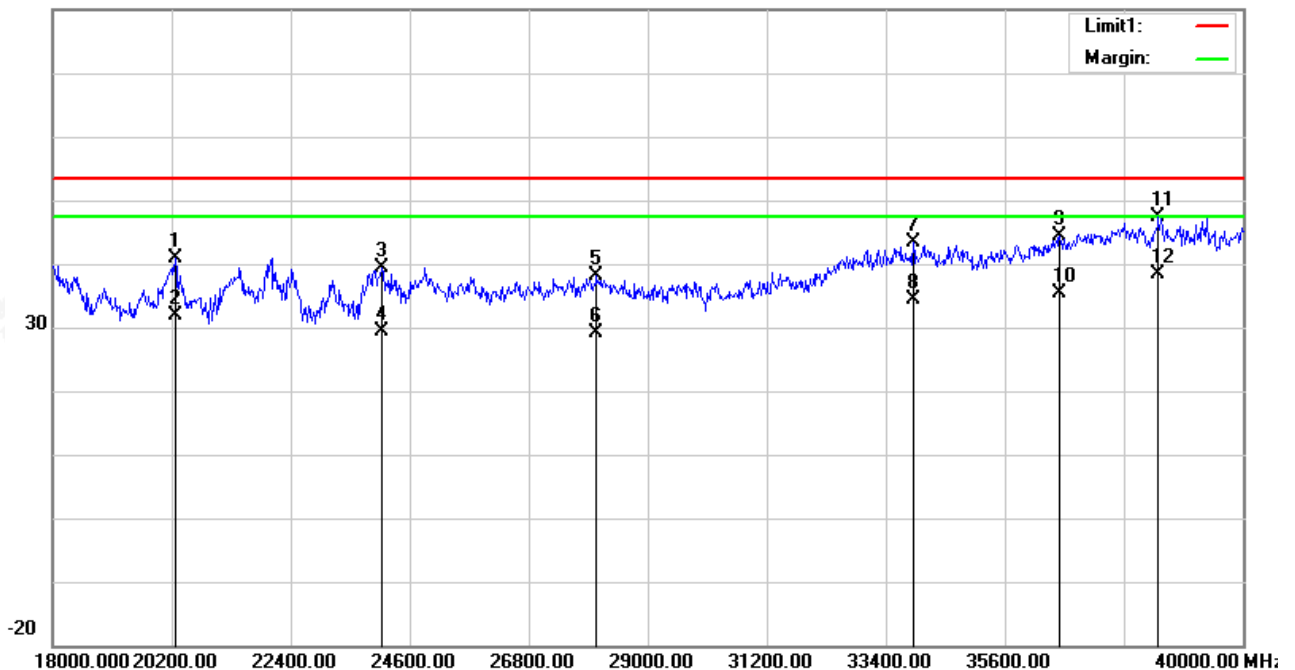
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20266.000	28.48	12.47	40.95	53.44	-12.49	peak
2	20266.000	19.48	12.47	31.95	53.44	-21.49	RMS
3	24094.000	23.28	16.20	39.48	53.44	-13.96	peak
4	24094.000	13.28	16.20	29.48	53.44	-23.96	RMS
5	28054.000	18.57	19.55	38.12	53.44	-15.32	peak
6	28054.000	9.57	19.55	29.12	53.44	-24.32	RMS
7	33906.000	27.50	15.79	43.29	53.44	-10.15	peak
8	33906.000	18.50	15.79	34.29	53.44	-19.15	RMS
9	36612.000	27.50	16.97	44.47	53.44	-8.97	peak
10	36612.000	18.50	16.97	35.47	53.44	-17.97	RMS
11	38438.000	29.42	17.90	47.32	53.44	-6.12	peak
12	38438.000	20.42	17.90	38.32	53.44	-15.12	RMS

Remark:

7. Margin = Result (Result =Reading + Factor)–Limit

8. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(18000MHz – 40000MHz)		

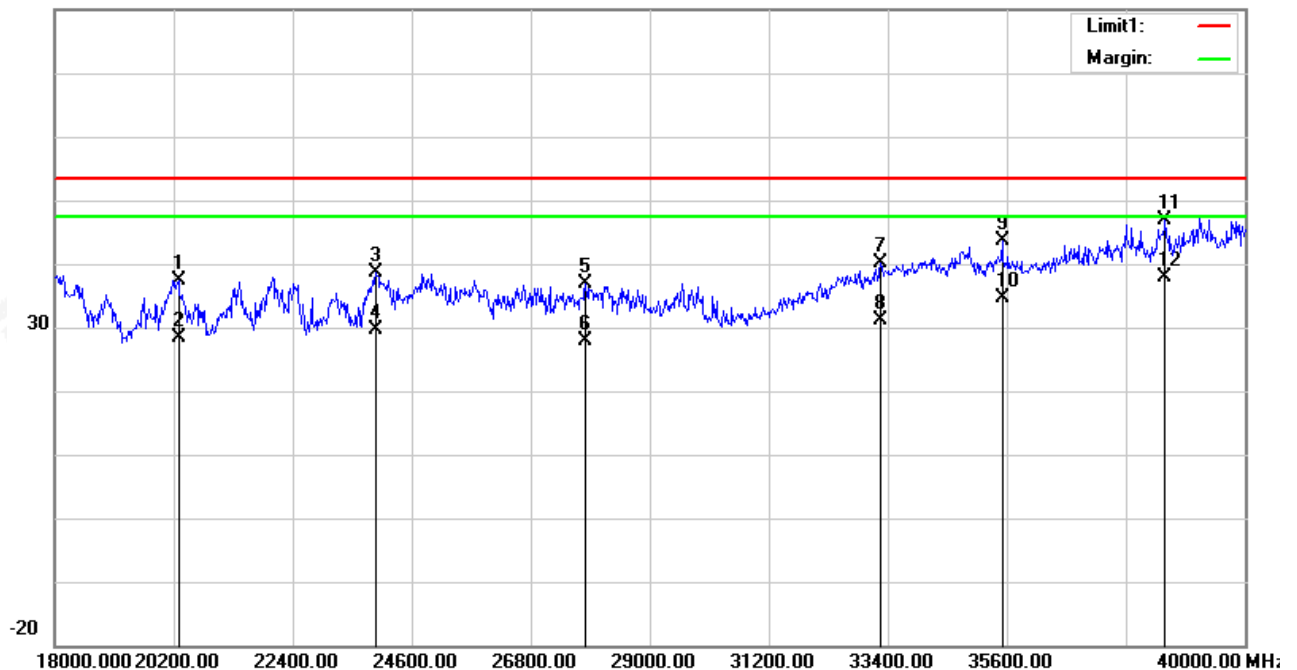
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20288.000	25.16	12.26	37.42	53.44	-16.02	peak
2	20288.000	16.16	12.26	28.42	53.44	-25.02	RMS
3	23940.000	22.46	16.05	38.51	53.44	-14.93	peak
4	23940.000	13.46	16.05	29.51	53.44	-23.93	RMS
5	27812.000	17.36	19.48	36.84	53.44	-16.60	peak
6	27812.000	8.36	19.48	27.84	53.44	-25.60	RMS
7	33268.000	24.35	15.68	40.03	53.44	-13.41	peak
8	33268.000	15.35	15.68	31.03	53.44	-22.41	RMS
9	35512.000	27.07	16.45	43.52	53.44	-9.92	peak
10	35512.000	18.07	16.45	34.52	53.44	-18.92	RMS
11	38526.000	29.00	17.95	46.95	53.44	-6.49	peak
12	38526.000	20.00	17.95	37.95	53.44	-15.49	RMS

Remark:

7. Margin = Result (Result =Reading + Factor)–Limit

8. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



FCC:

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(960MHz -1610MHz)		

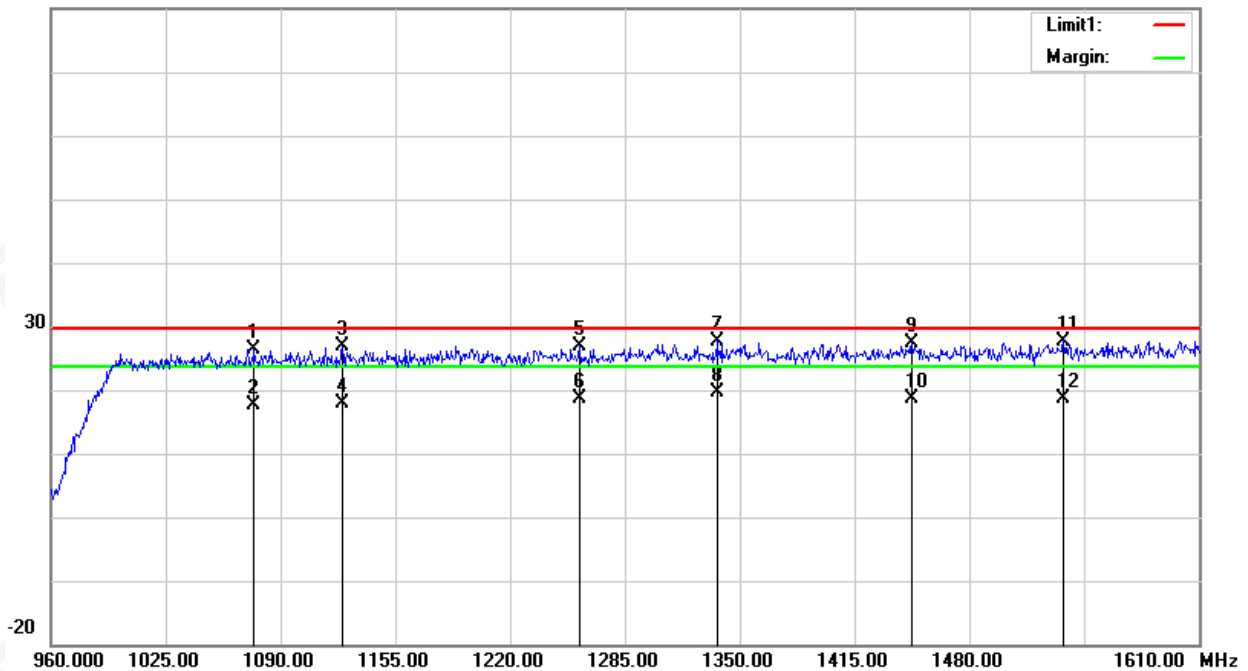
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1075.050	27.54	-1.22	26.32	29.44	-3.12	peak
2	1075.050	18.84	-1.22	17.62	29.44	-11.82	RMS
3	1125.100	27.89	-0.99	26.90	29.44	-2.54	peak
4	1125.100	18.77	-0.99	17.78	29.44	-11.66	RMS
5	1259.000	27.22	-0.45	26.77	29.44	-2.67	peak
6	1259.000	19.04	-0.45	18.59	29.44	-10.85	RMS
7	1337.000	27.53	0.01	27.54	29.44	-1.90	peak
8	1337.000	19.60	0.01	19.61	29.44	-9.83	RMS
9	1447.500	26.42	0.86	27.28	29.44	-2.16	peak
10	1447.500	17.88	0.86	18.74	29.44	-10.70	RMS
11	1533.300	25.47	2.28	27.75	29.44	-1.69	peak
12	1533.300	16.35	2.28	18.63	29.44	-10.81	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



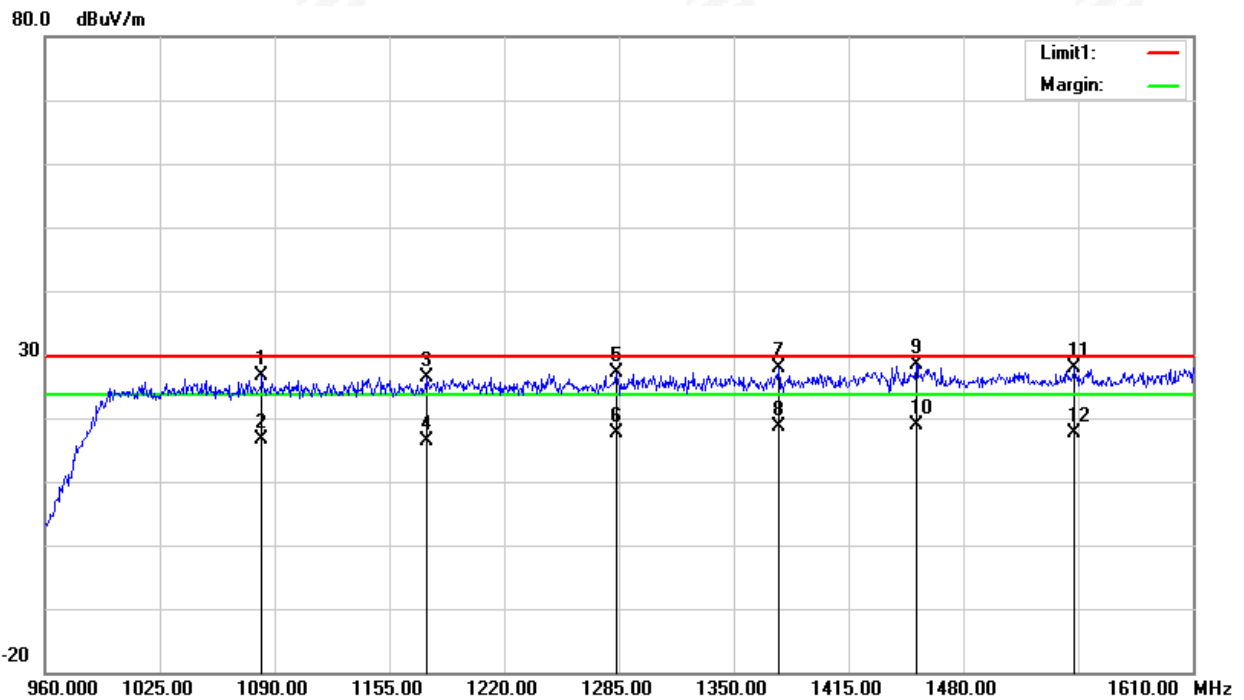
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(960MHz -1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1082.850	27.77	-1.18	26.59	29.44	-2.85	peak
2	1082.850	17.71	-1.18	16.53	29.44	-12.91	RMS
3	1175.800	27.04	-0.66	26.38	29.44	-3.06	peak
4	1175.800	17.13	-0.66	16.47	29.44	-12.97	RMS
5	1283.700	27.33	-0.25	27.08	29.44	-2.36	peak
6	1283.700	17.77	-0.25	17.52	29.44	-11.92	RMS
7	1375.350	27.72	0.17	27.89	29.44	-1.55	peak
8	1375.350	18.52	0.17	18.69	29.44	-10.75	RMS
9	1453.350	27.44	0.93	28.37	29.44	-1.07	peak
10	1453.350	17.94	0.93	18.87	29.44	-10.57	RMS
11	1543.050	25.44	2.51	27.95	29.44	-1.49	peak
12	1543.050	15.15	2.51	17.66	29.44	-11.78	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(1610MHz – 1990MHz)		

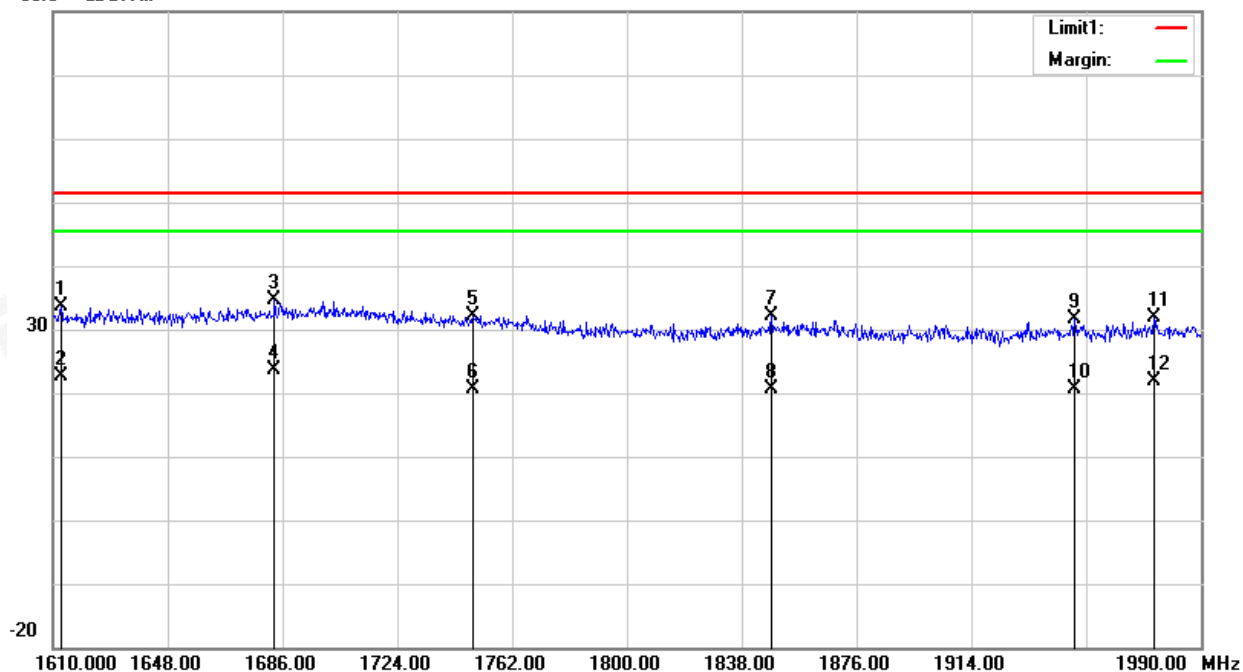
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1612.660	29.39	4.24	33.63	51.44	-17.81	peak
2	1612.660	18.38	4.24	22.62	51.44	-28.82	RMS
3	1683.340	29.83	4.89	34.72	51.44	-16.72	peak
4	1683.340	18.72	4.89	23.61	51.44	-27.83	RMS
5	1749.080	28.55	3.69	32.24	51.44	-19.20	peak
6	1749.080	16.90	3.69	20.59	51.44	-30.85	RMS
7	1847.880	29.74	2.33	32.07	51.44	-19.37	peak
8	1847.880	18.24	2.33	20.57	51.44	-30.87	RMS
9	1948.200	30.12	1.53	31.65	51.44	-19.79	peak
10	1948.200	19.17	1.53	20.70	51.44	-30.74	RMS
11	1974.420	30.17	1.76	31.93	51.44	-19.51	peak
12	1974.420	20.10	1.76	21.86	51.44	-29.58	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(1610MHz – 1990MHz)		

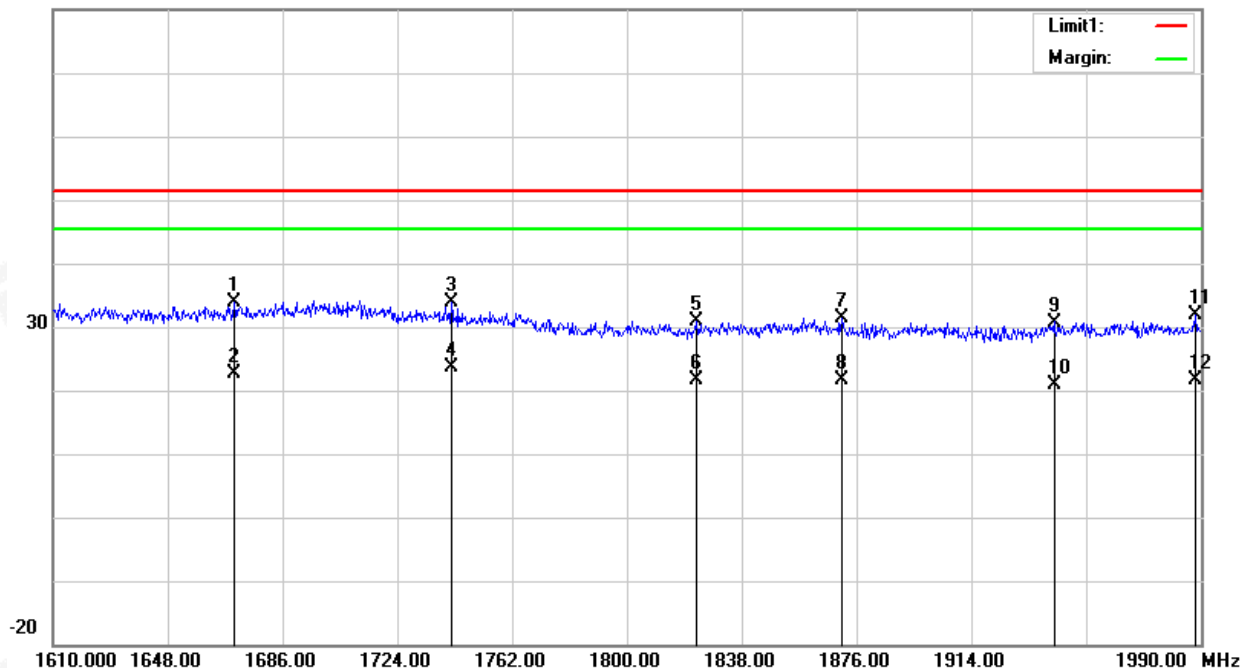
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1670.040	29.17	4.63	33.80	51.44	-17.64	peak
2	1670.040	17.88	4.63	22.51	51.44	-28.93	RMS
3	1741.860	29.86	3.92	33.78	51.44	-17.66	peak
4	1741.860	19.60	3.92	23.52	51.44	-27.92	RMS
5	1823.180	28.83	2.04	30.87	51.44	-20.57	peak
6	1823.180	19.69	2.04	21.73	51.44	-29.71	RMS
7	1871.060	29.49	1.98	31.47	51.44	-19.97	peak
8	1871.060	19.62	1.98	21.60	51.44	-29.84	RMS
9	1941.360	29.23	1.52	30.75	51.44	-20.69	peak
10	1941.360	19.37	1.52	20.89	51.44	-30.55	RMS
11	1988.100	29.86	1.90	31.76	51.44	-19.68	peak
12	1988.100	19.64	1.90	21.54	51.44	-29.90	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(1990MHz – 3100MHz)		

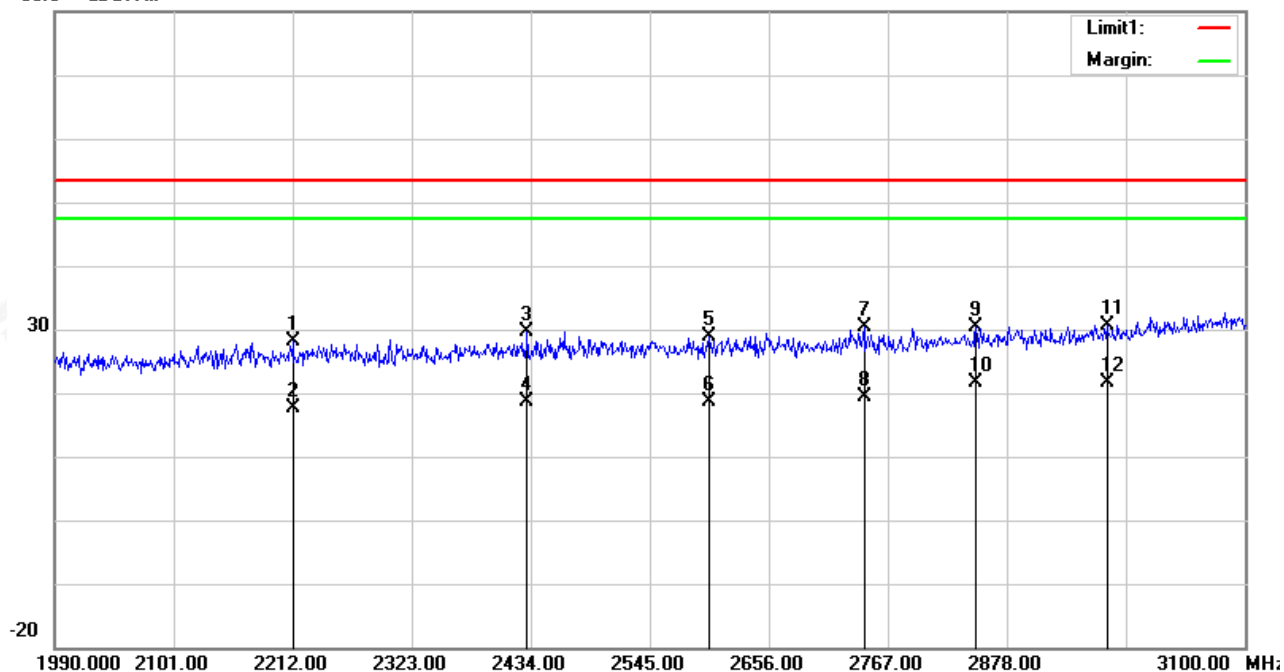
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2212.000	24.97	3.13	28.10	53.44	-25.34	peak
2	2212.000	14.60	3.13	17.73	53.44	-35.71	RMS
3	2430.670	25.22	4.50	29.72	53.44	-23.72	peak
4	2430.670	14.09	4.50	18.59	53.44	-34.85	RMS
5	2600.500	23.79	5.03	28.82	53.44	-24.62	peak
6	2600.500	13.69	5.03	18.72	53.44	-34.72	RMS
7	2744.800	24.41	6.02	30.43	53.44	-23.01	peak
8	2744.800	13.45	6.02	19.47	53.44	-33.97	RMS
9	2849.140	23.74	6.56	30.30	53.44	-23.14	peak
10	2849.140	14.99	6.56	21.55	53.44	-31.89	RMS
11	2971.240	23.74	7.01	30.75	53.44	-22.69	peak
12	2971.240	14.74	7.01	21.75	53.44	-31.69	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(1990MHz – 3100MHz)		

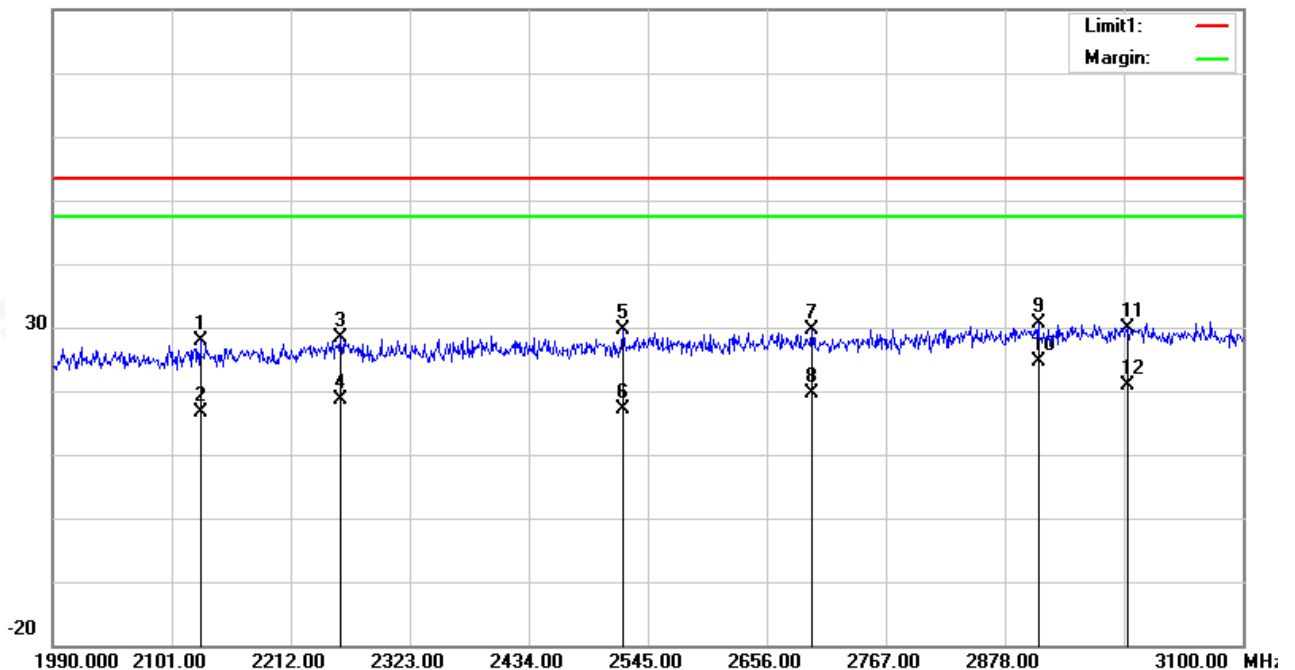
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2127.640	25.01	2.90	27.91	53.44	-25.53	peak
2	2127.640	13.72	2.90	16.62	53.44	-36.82	RMS
3	2258.620	24.74	3.72	28.46	53.44	-24.98	peak
4	2258.620	14.92	3.72	18.64	53.44	-34.80	RMS
5	2521.690	24.77	4.80	29.57	53.44	-23.87	peak
6	2521.690	12.45	4.80	17.25	53.44	-36.19	RMS
7	2698.180	24.07	5.61	29.68	53.44	-23.76	peak
8	2698.180	14.12	5.61	19.73	53.44	-33.71	RMS
9	2909.080	23.82	6.77	30.59	53.44	-22.85	peak
10	2909.080	17.79	6.77	24.56	53.44	-28.88	RMS
11	2992.330	22.89	7.03	29.92	53.44	-23.52	peak
12	2992.330	13.89	7.03	20.92	53.44	-32.52	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(3100MHz – 10600MHz)		

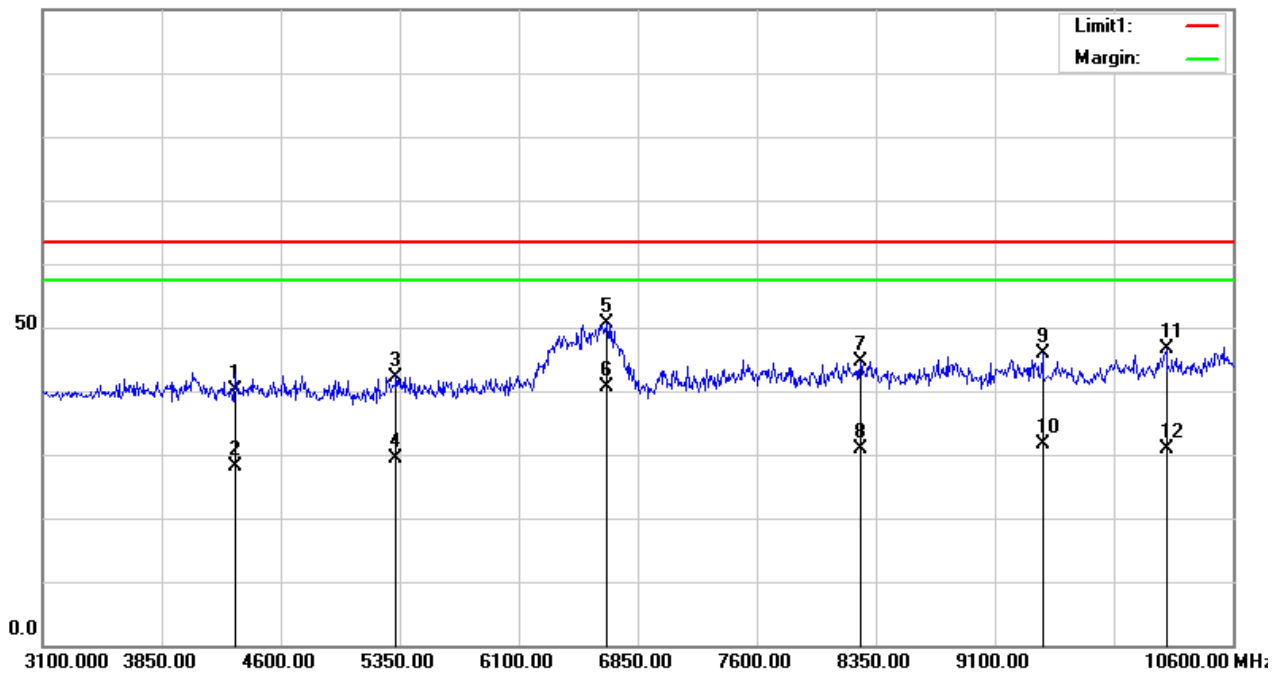
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4315.000	48.25	-8.24	40.01	63.44	-23.43	peak
2	4315.000	36.35	-8.24	28.11	63.44	-35.33	RMS
3	5327.500	47.37	-5.22	42.15	63.44	-21.29	peak
4	5327.500	34.72	-5.22	29.50	63.44	-33.94	RMS
5	6655.000	52.06	-1.35	50.71	63.44	-12.73	peak
6	6655.000	41.99	-1.35	40.64	63.44	-22.80	RMS
7	8252.500	42.21	2.45	44.66	63.44	-18.78	peak
8	8252.500	28.47	2.45	30.92	63.44	-32.52	RMS
9	9400.000	42.92	3.00	45.92	63.44	-17.52	peak
10	9400.000	28.74	3.00	31.74	63.44	-31.70	RMS
11	10180.000	42.63	3.94	46.57	63.44	-16.87	peak
12	10180.000	26.98	3.94	30.92	63.44	-32.52	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(3100MHz – 10600MHz)		

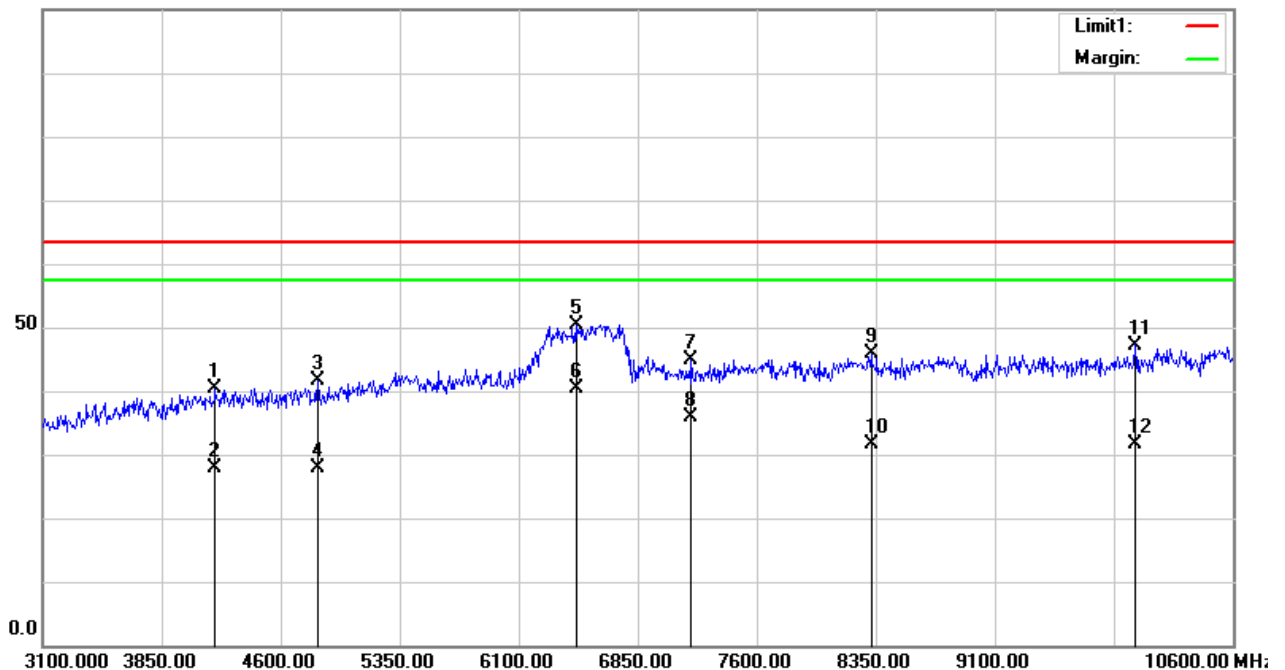
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4187.500	48.88	-8.54	40.34	63.44	-23.10	peak
2	4187.500	36.43	-8.54	27.89	63.44	-35.55	RMS
3	4832.500	48.71	-7.09	41.62	63.44	-21.82	peak
4	4832.500	34.99	-7.09	27.90	63.44	-35.54	RMS
5	6460.000	52.34	-2.06	50.28	63.44	-13.16	peak
6	6460.000	42.49	-2.06	40.43	63.44	-23.01	RMS
7	7187.500	44.33	0.48	44.81	63.44	-18.63	peak
8	7187.500	35.33	0.48	35.81	63.44	-27.63	RMS
9	8320.000	43.46	2.52	45.98	63.44	-17.46	peak
10	8320.000	29.15	2.52	31.67	63.44	-31.77	RMS
11	9985.000	43.90	3.35	47.25	63.44	-16.19	peak
12	9985.000	28.21	3.35	31.56	63.44	-31.88	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(10600MHz – 18000MHz)		

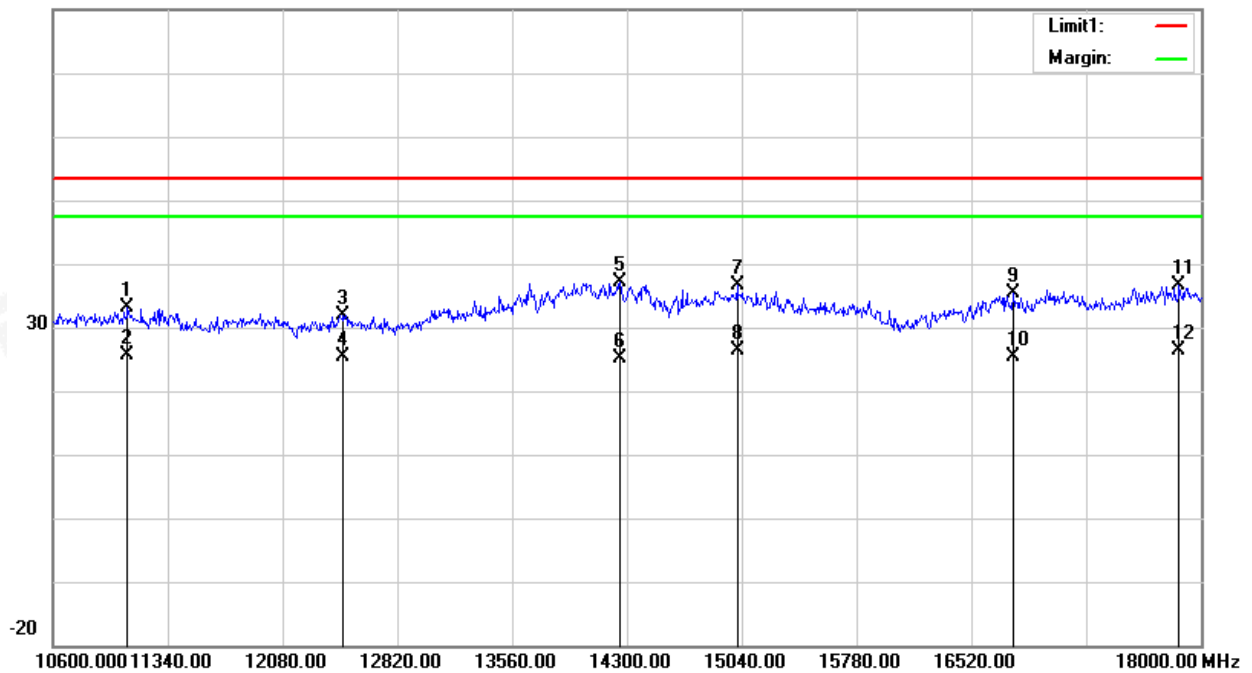
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11081.000	26.77	6.31	33.08	53.44	-20.36	peak
2	11081.000	19.31	6.31	25.62	53.44	-27.82	RMS
3	12472.200	26.05	5.83	31.88	53.44	-21.56	peak
4	12472.200	19.65	5.83	25.48	53.44	-27.96	RMS
5	14255.600	25.27	11.86	37.13	53.44	-16.31	peak
6	14255.600	13.30	11.86	25.16	53.44	-28.28	RMS
7	15010.400	26.55	10.06	36.61	53.44	-16.83	peak
8	15010.400	16.31	10.06	26.37	53.44	-27.07	RMS
9	16793.800	25.75	9.60	35.35	53.44	-18.09	peak
10	16793.800	15.72	9.60	25.32	53.44	-28.12	RMS
11	17859.400	24.93	11.66	36.59	53.44	-16.85	peak
12	17859.400	14.65	11.66	26.31	53.44	-27.13	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(10600MHz – 18000MHz)		

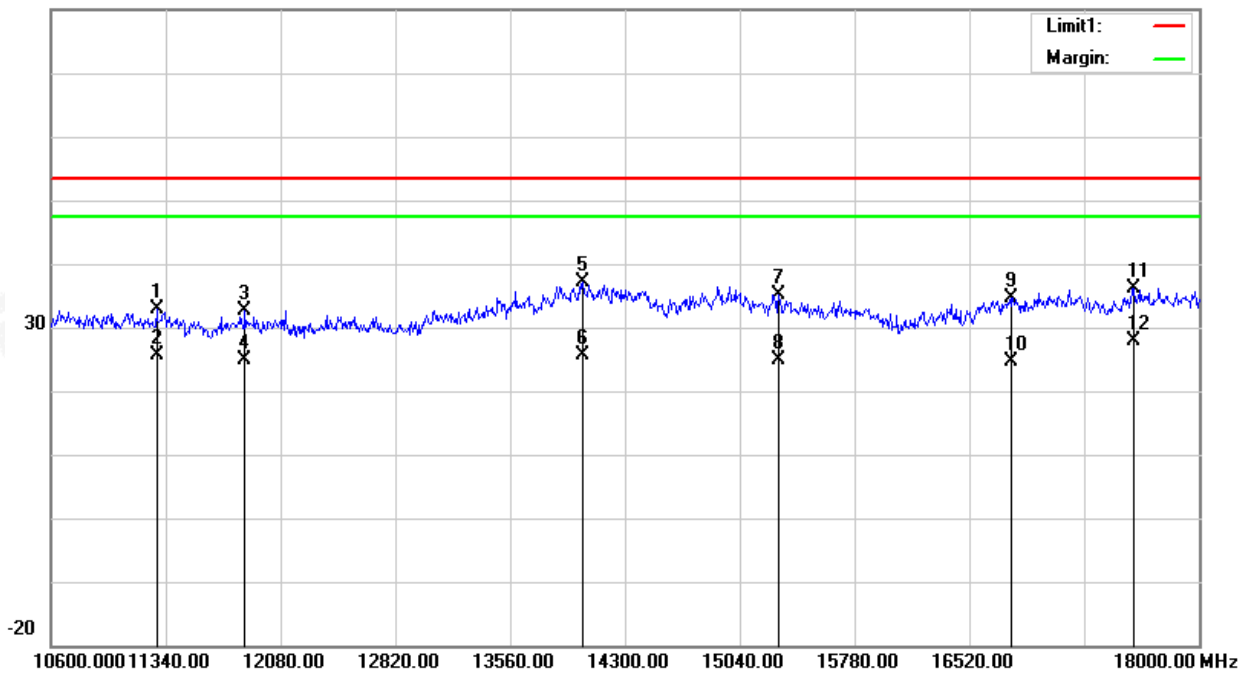
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11280.800	26.53	6.36	32.89	53.44	-20.55	peak
2	11280.800	19.26	6.36	25.62	53.44	-27.82	RMS
3	11850.600	26.66	5.98	32.64	53.44	-20.80	peak
4	11850.600	18.85	5.98	24.83	53.44	-28.61	RMS
5	14026.200	24.96	12.28	37.24	53.44	-16.20	peak
6	14026.200	13.39	12.28	25.67	53.44	-27.77	RMS
7	15291.600	25.23	9.87	35.10	53.44	-18.34	peak
8	15291.600	14.94	9.87	24.81	53.44	-28.63	RMS
9	16793.800	24.97	9.60	34.57	53.44	-18.87	peak
10	16793.800	15.14	9.60	24.74	53.44	-28.70	RMS
11	17578.200	25.19	10.86	36.05	53.44	-17.39	peak
12	17578.200	17.00	10.86	27.86	53.44	-25.58	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(18000MHz – 40000MHz)		

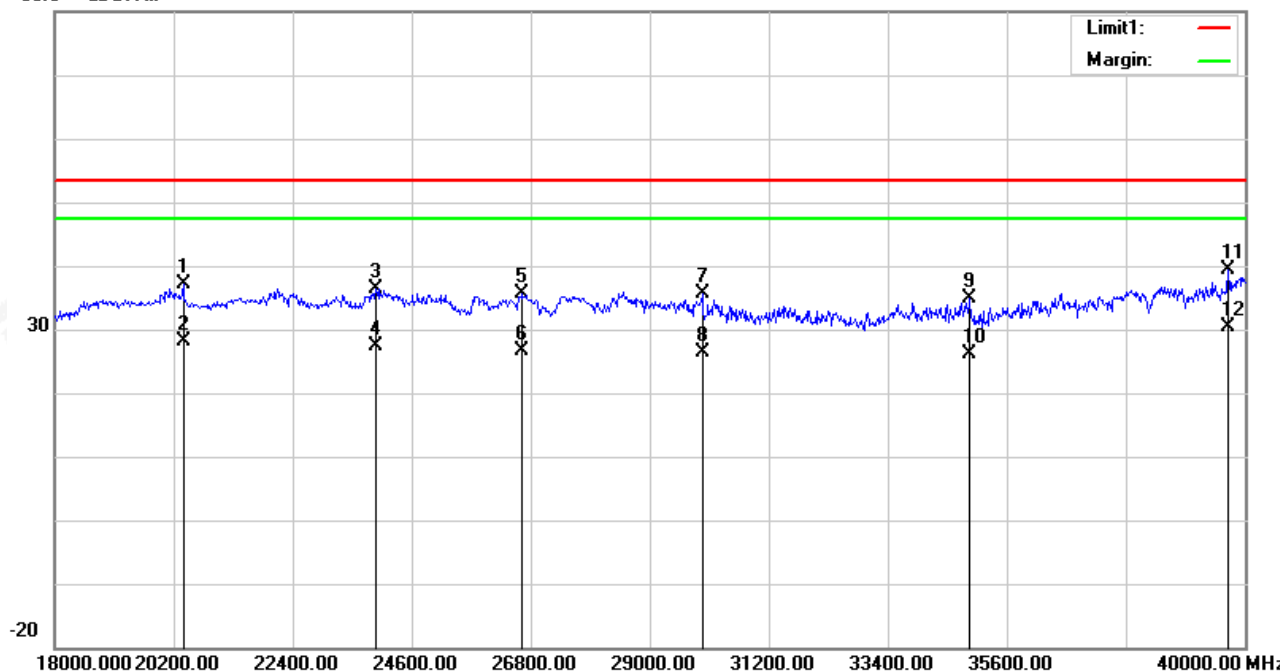
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20376.000	25.78	11.45	37.23	53.44	-16.21	peak
2	20376.000	16.78	11.45	28.23	53.44	-25.21	RMS
3	23940.000	20.44	16.05	36.49	53.44	-16.95	peak
4	23940.000	11.44	16.05	27.49	53.44	-25.95	RMS
5	26646.000	17.23	18.42	35.65	53.44	-17.79	peak
6	26646.000	8.23	18.42	26.65	53.44	-26.79	RMS
7	29968.000	19.58	15.99	35.57	53.44	-17.87	peak
8	29968.000	10.43	15.99	26.42	53.44	-27.02	RMS
9	34918.000	18.62	16.20	34.82	53.44	-18.62	peak
10	34918.000	9.83	16.20	26.03	53.44	-27.41	RMS
11	39692.000	20.73	18.58	39.31	53.44	-14.13	peak
12	39692.000	11.71	18.58	30.29	53.44	-23.15	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(18000MHz – 40000MHz)		

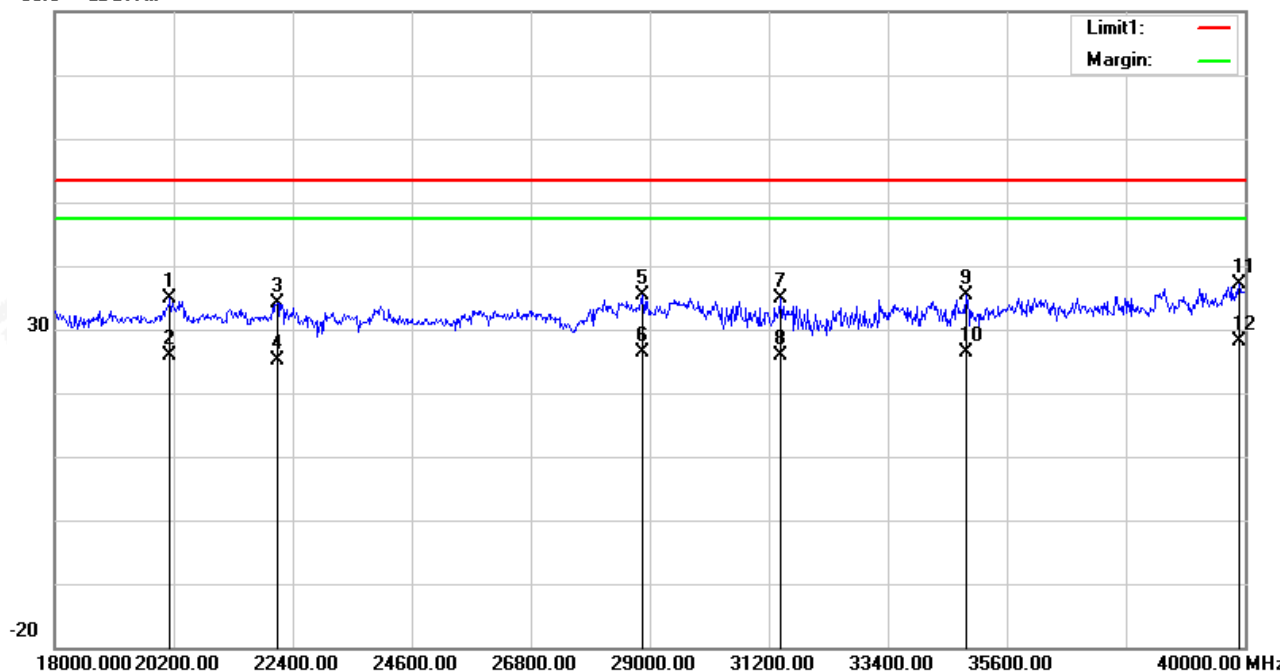
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20134.000	21.12	13.68	34.80	53.44	-18.64	peak
2	20134.000	12.12	13.68	25.80	53.44	-27.64	RMS
3	22114.000	23.30	10.93	34.23	53.44	-19.21	peak
4	22114.000	14.30	10.93	25.23	53.44	-28.21	RMS
5	28868.000	17.34	18.04	35.38	53.44	-18.06	peak
6	28868.000	8.34	18.04	26.38	53.44	-27.06	RMS
7	31420.000	19.16	15.62	34.78	53.44	-18.66	peak
8	31420.000	10.16	15.62	25.78	53.44	-27.66	RMS
9	34852.000	19.15	16.17	35.32	53.44	-18.12	peak
10	34852.000	10.15	16.17	26.32	53.44	-27.12	RMS
11	39890.000	18.32	18.69	37.01	53.44	-16.43	peak
12	39890.000	9.32	18.69	28.01	53.44	-25.43	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



IC:

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(960MHz -1610MHz)		

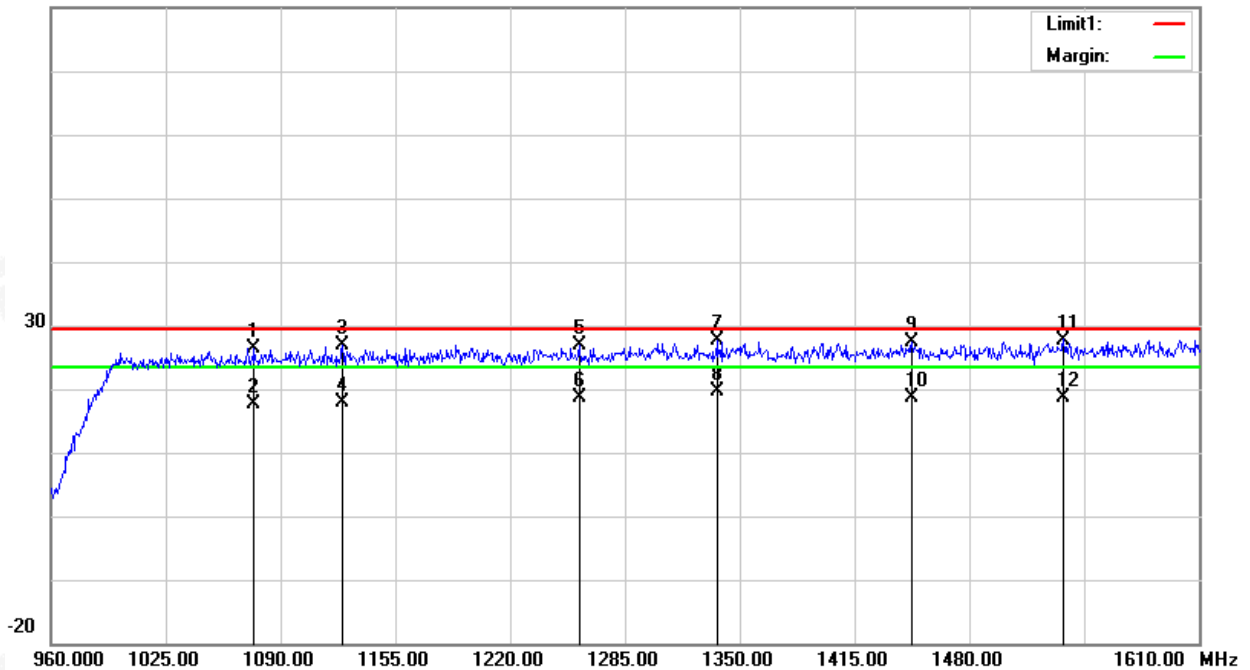
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1075.050	27.54	-1.22	26.32	29.44	-3.12	peak
2	1075.050	18.84	-1.22	17.62	29.44	-11.82	RMS
3	1125.100	27.89	-0.99	26.90	29.44	-2.54	peak
4	1125.100	18.77	-0.99	17.78	29.44	-11.66	RMS
5	1259.000	27.22	-0.45	26.77	29.44	-2.67	peak
6	1259.000	19.04	-0.45	18.59	29.44	-10.85	RMS
7	1337.000	27.53	0.01	27.54	29.44	-1.90	peak
8	1337.000	19.60	0.01	19.61	29.44	-9.83	RMS
9	1447.500	26.42	0.86	27.28	29.44	-2.16	peak
10	1447.500	17.88	0.86	18.74	29.44	-10.70	RMS
11	1533.300	25.47	2.28	27.75	29.44	-1.69	peak
12	1533.300	16.35	2.28	18.63	29.44	-10.81	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





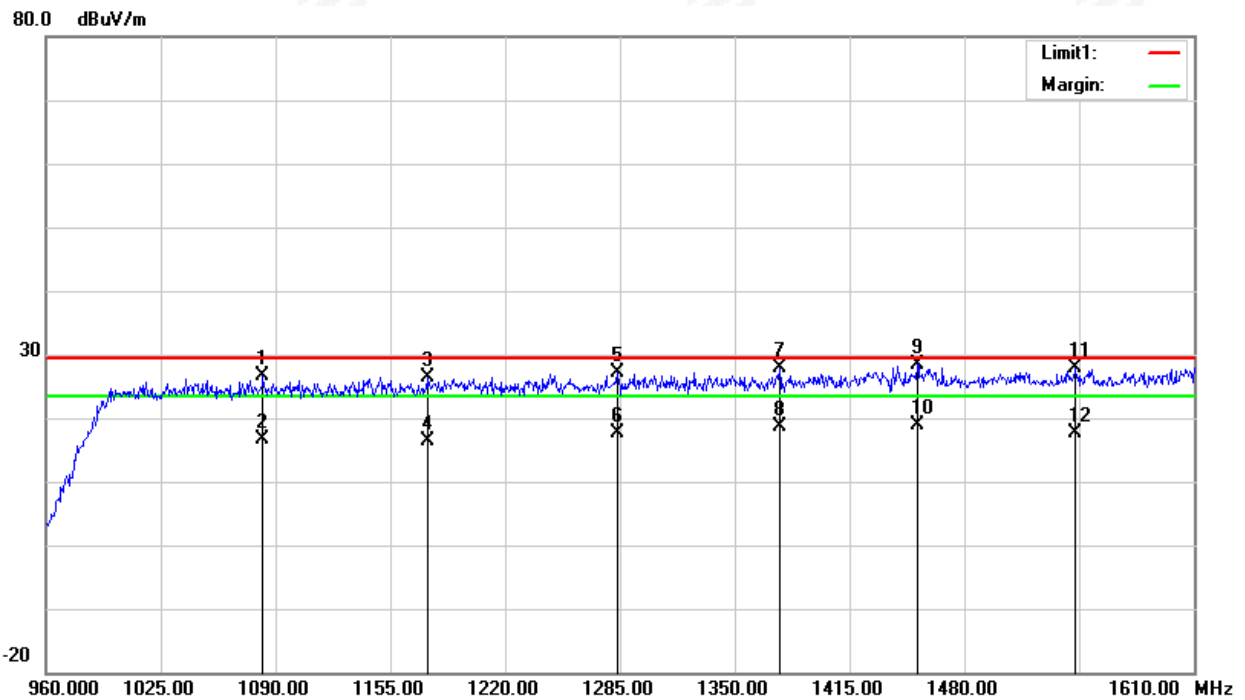
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(960MHz -1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1082.850	27.77	-1.18	26.59	29.44	-2.85	peak
2	1082.850	17.71	-1.18	16.53	29.44	-12.91	RMS
3	1175.800	27.04	-0.66	26.38	29.44	-3.06	peak
4	1175.800	17.13	-0.66	16.47	29.44	-12.97	RMS
5	1283.700	27.33	-0.25	27.08	29.44	-2.36	peak
6	1283.700	17.77	-0.25	17.52	29.44	-11.92	RMS
7	1375.350	27.72	0.17	27.89	29.44	-1.55	peak
8	1375.350	18.52	0.17	18.69	29.44	-10.75	RMS
9	1453.350	27.44	0.93	28.37	29.44	-1.07	peak
10	1453.350	17.94	0.93	18.87	29.44	-10.57	RMS
11	1543.050	25.44	2.51	27.95	29.44	-1.49	peak
12	1543.050	15.15	2.51	17.66	29.44	-11.78	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(1610MHz – 4750MHz)		

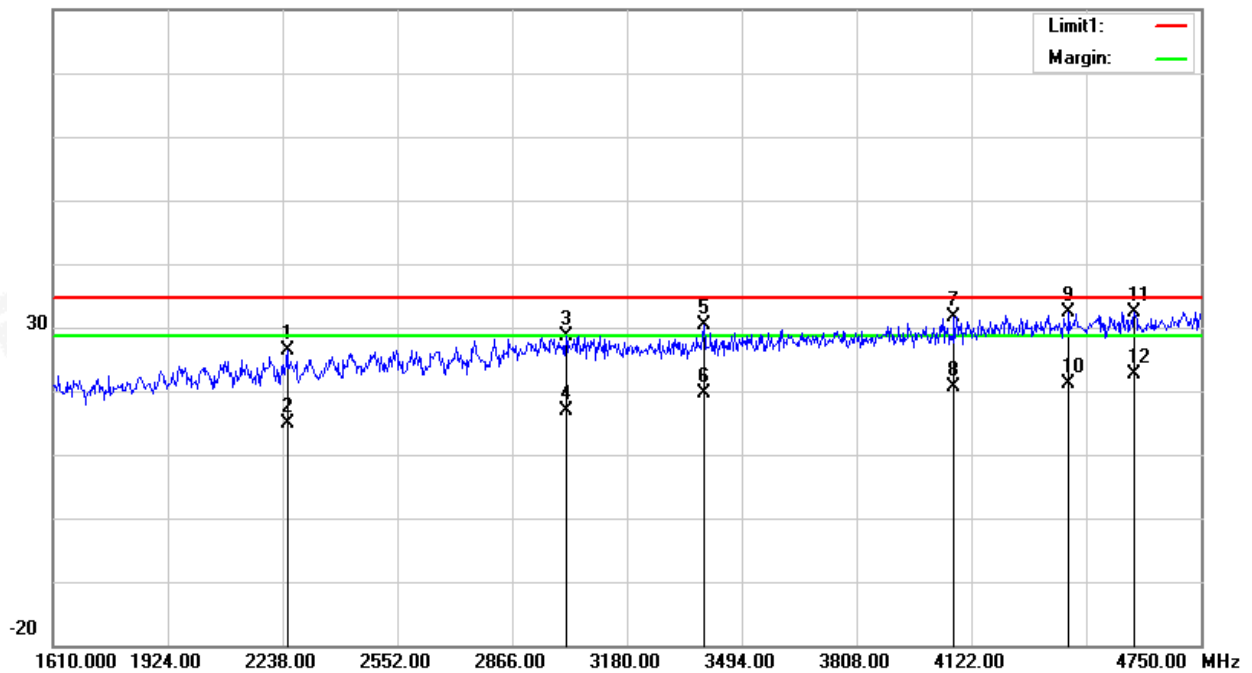
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2250.560	41.69	-15.28	26.41	34.74	-8.33	peak
2	2250.560	30.14	-15.28	14.86	34.74	-19.88	RMS
3	3013.580	41.29	-12.62	28.67	34.74	-6.07	peak
4	3013.580	29.47	-12.62	16.85	34.74	-17.89	RMS
5	3390.380	41.90	-11.64	30.26	34.74	-4.48	peak
6	3390.380	31.36	-11.64	19.72	34.74	-15.02	RMS
7	4074.900	40.92	-9.23	31.69	34.74	-3.05	peak
8	4074.900	29.82	-9.23	20.59	34.74	-14.15	RMS
9	4388.900	40.39	-8.08	32.31	34.74	-2.43	peak
10	4388.900	29.25	-8.08	21.17	34.74	-13.57	RMS
11	4567.880	40.38	-7.89	32.49	34.74	-2.25	peak
12	4567.880	30.40	-7.89	22.51	34.74	-12.23	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(1610MHz – 4750MHz)		

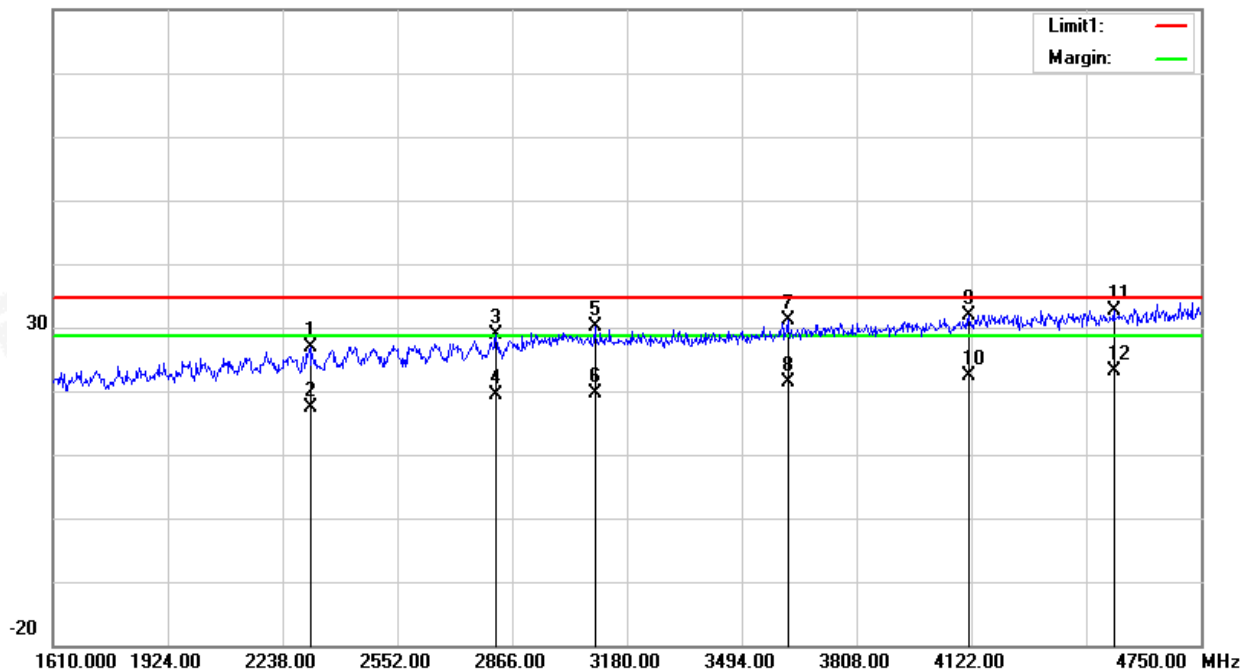
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2313.360	41.79	-15.01	26.78	34.74	-7.96	peak
2	2313.360	32.40	-15.01	17.39	34.74	-17.35	RMS
3	2822.040	41.59	-12.80	28.79	34.74	-5.95	peak
4	2822.040	32.07	-12.80	19.27	34.74	-15.47	RMS
5	3092.080	42.46	-12.43	30.03	34.74	-4.71	peak
6	3092.080	32.01	-12.43	19.58	34.74	-15.16	RMS
7	3619.600	42.03	-10.79	31.24	34.74	-3.50	peak
8	3619.600	32.22	-10.79	21.43	34.74	-13.31	RMS
9	4115.720	40.74	-8.98	31.76	34.74	-2.98	peak
10	4115.720	31.34	-8.98	22.36	34.74	-12.38	RMS
11	4511.360	40.55	-7.94	32.61	34.74	-2.13	peak
12	4511.360	31.08	-7.94	23.14	34.74	-11.60	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(4750MHz – 10600MHz)		

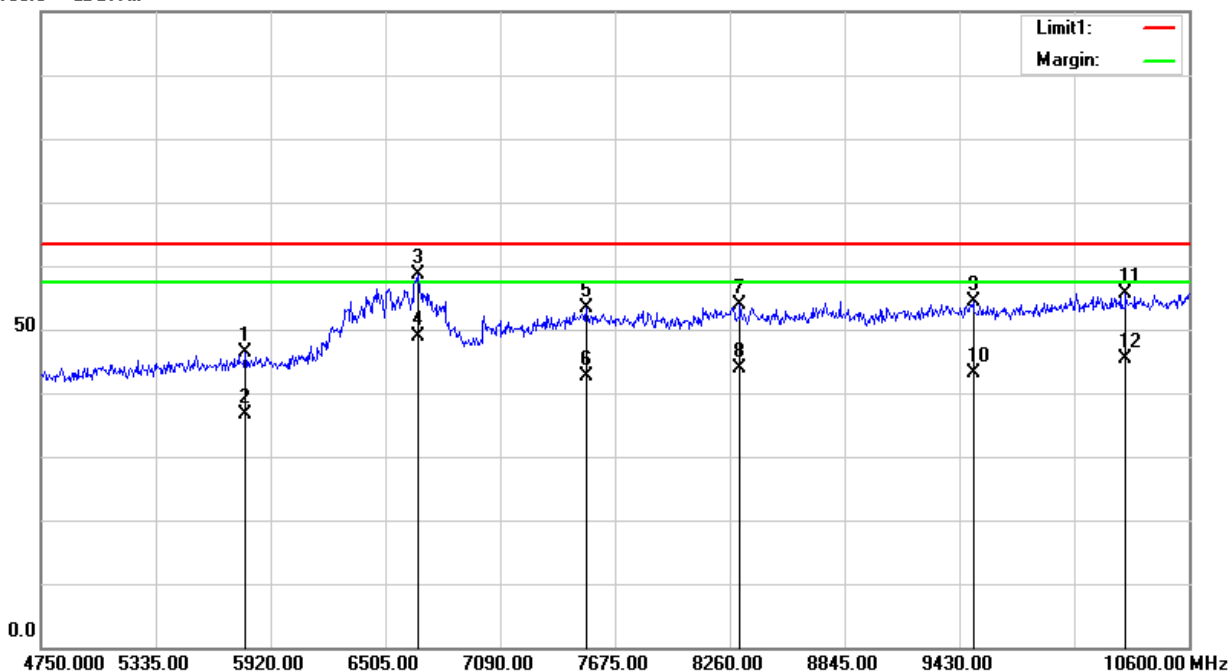
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5791.300	50.68	-4.35	46.33	63.44	-17.11	peak
2	5791.300	41.10	-4.35	36.75	63.44	-26.69	RMS
3	6668.800	59.97	-1.25	58.72	63.44	-4.72	peak
4	6668.800	50.16	-1.25	48.91	63.44	-14.53	RMS
5	7528.750	51.65	1.66	53.31	63.44	-10.13	peak
6	7528.750	40.95	1.66	42.61	63.44	-20.83	RMS
7	8312.650	51.44	2.52	53.96	63.44	-9.48	peak
8	8312.650	41.37	2.52	43.89	63.44	-19.55	RMS
9	9500.200	51.15	3.14	54.29	63.44	-9.15	peak
10	9500.200	40.07	3.14	43.21	63.44	-20.23	RMS
11	10278.250	51.43	4.26	55.69	63.44	-7.75	peak
12	10278.250	41.22	4.26	45.48	63.44	-17.96	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(4750MHz – 10600MHz)		

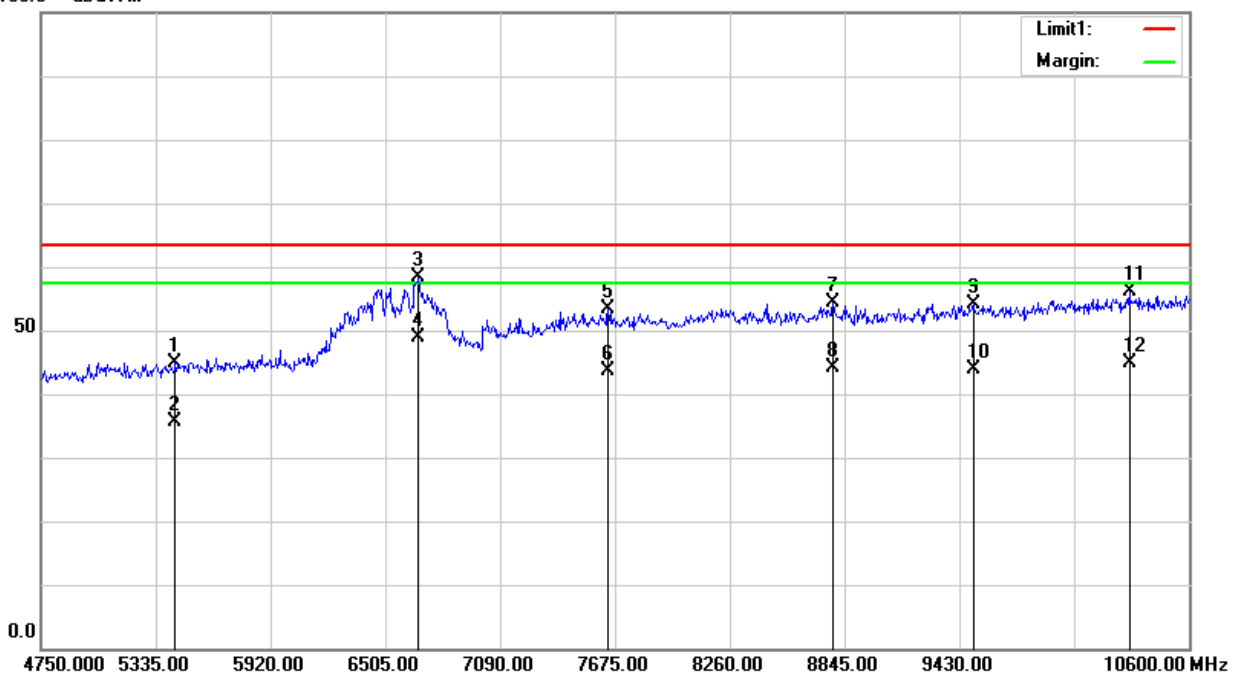
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5434.450	50.12	-5.17	44.95	63.44	-18.49	peak
2	5434.450	40.84	-5.17	35.67	63.44	-27.77	RMS
3	6674.650	59.47	-1.21	58.26	63.44	-5.18	peak
4	6674.650	49.99	-1.21	48.78	63.44	-14.66	RMS
5	7639.900	51.49	1.78	53.27	63.44	-10.17	peak
6	7639.900	41.84	1.78	43.62	63.44	-19.82	RMS
7	8786.500	51.84	2.57	54.41	63.44	-9.03	peak
8	8786.500	41.55	2.57	44.12	63.44	-19.32	RMS
9	9500.200	51.11	3.14	54.25	63.44	-9.19	peak
10	9500.200	40.68	3.14	43.82	63.44	-19.62	RMS
11	10295.800	51.89	4.31	56.20	63.44	-7.24	peak
12	10295.800	40.62	4.31	44.93	63.44	-18.51	RMS

Remark:

5. $\text{Margin} = \text{Result} (\text{Result} = \text{Reading} + \text{Factor}) - \text{Limit}$

6. $\text{Factor} = \text{Antenna factor} + \text{Cable attenuation factor} (\text{cable loss}) - \text{Amplifier gain}$

100.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(10600MHz – 18000MHz)		

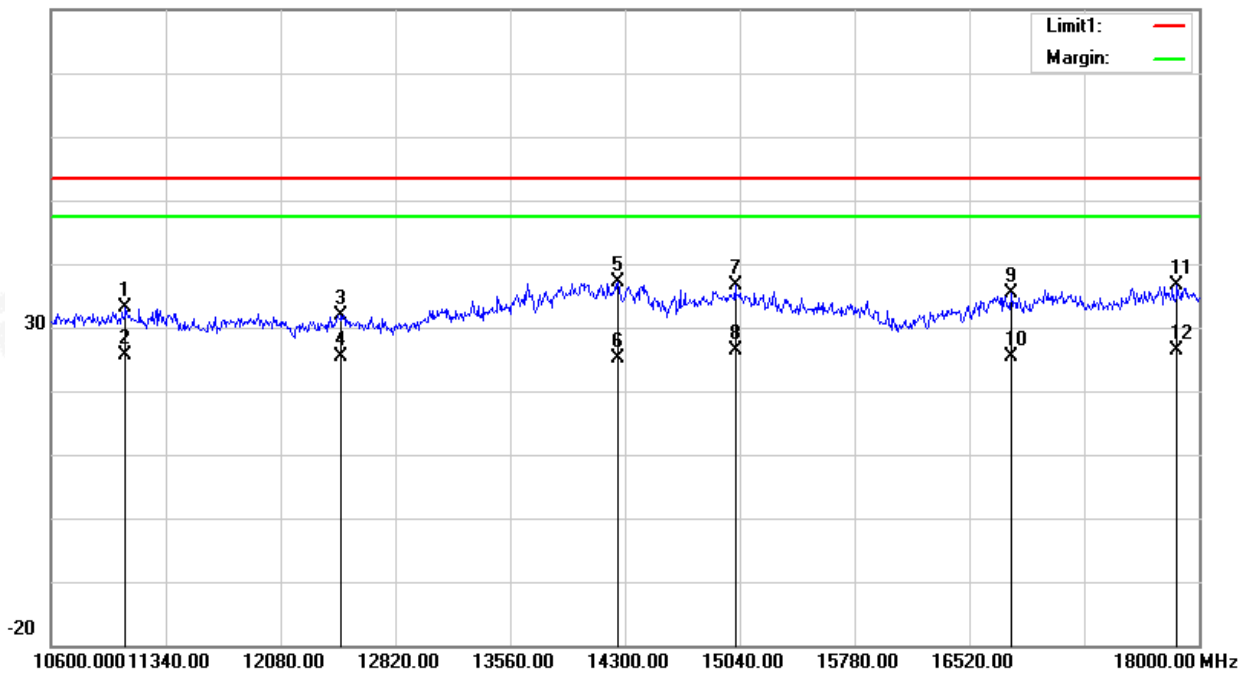
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11081.000	26.77	6.31	33.08	53.44	-20.36	peak
2	11081.000	19.31	6.31	25.62	53.44	-27.82	RMS
3	12472.200	26.05	5.83	31.88	53.44	-21.56	peak
4	12472.200	19.65	5.83	25.48	53.44	-27.96	RMS
5	14255.600	25.27	11.86	37.13	53.44	-16.31	peak
6	14255.600	13.30	11.86	25.16	53.44	-28.28	RMS
7	15010.400	26.55	10.06	36.61	53.44	-16.83	peak
8	15010.400	16.31	10.06	26.37	53.44	-27.07	RMS
9	16793.800	25.75	9.60	35.35	53.44	-18.09	peak
10	16793.800	15.72	9.60	25.32	53.44	-28.12	RMS
11	17859.400	24.93	11.66	36.59	53.44	-16.85	peak
12	17859.400	14.65	11.66	26.31	53.44	-27.13	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(10600MHz – 18000MHz)		

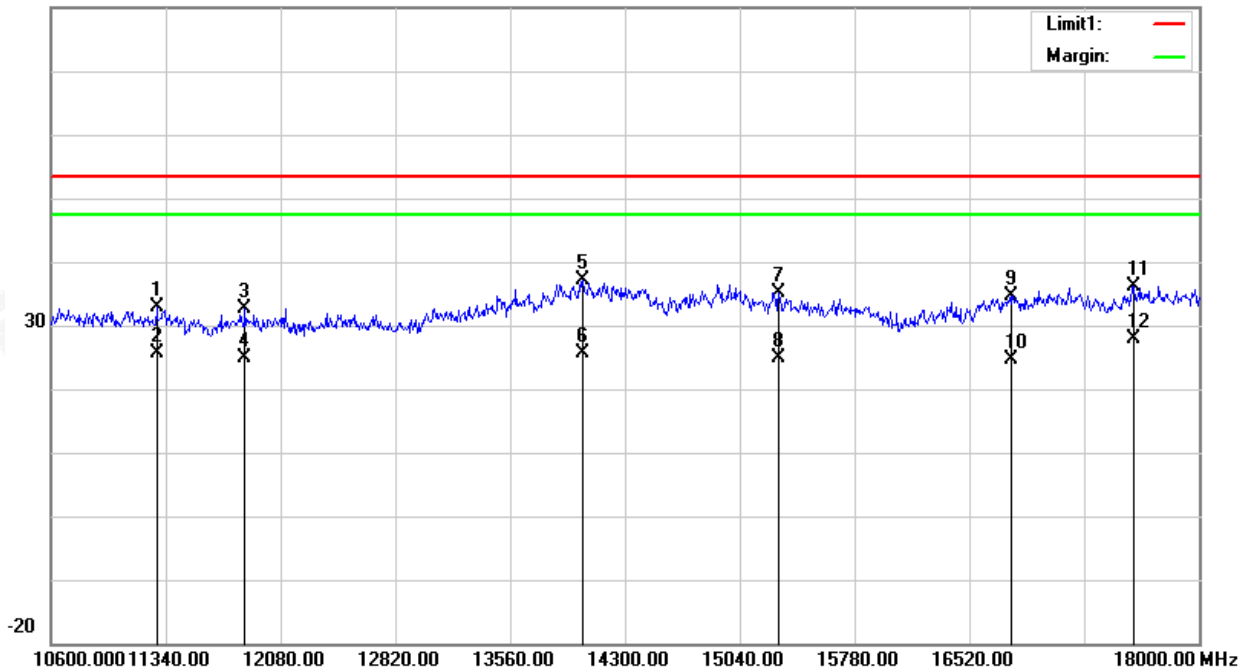
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	11280.800	26.53	6.36	32.89	53.44	-20.55	peak
2	11280.800	19.26	6.36	25.62	53.44	-27.82	RMS
3	11850.600	26.66	5.98	32.64	53.44	-20.80	peak
4	11850.600	18.85	5.98	24.83	53.44	-28.61	RMS
5	14026.200	24.96	12.28	37.24	53.44	-16.20	peak
6	14026.200	13.39	12.28	25.67	53.44	-27.77	RMS
7	15291.600	25.23	9.87	35.10	53.44	-18.34	peak
8	15291.600	14.94	9.87	24.81	53.44	-28.63	RMS
9	16793.800	24.97	9.60	34.57	53.44	-18.87	peak
10	16793.800	15.14	9.60	24.74	53.44	-28.70	RMS
11	17578.200	25.19	10.86	36.05	53.44	-17.39	peak
12	17578.200	17.00	10.86	27.86	53.44	-25.58	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(10600MHz – 40000MHz)		

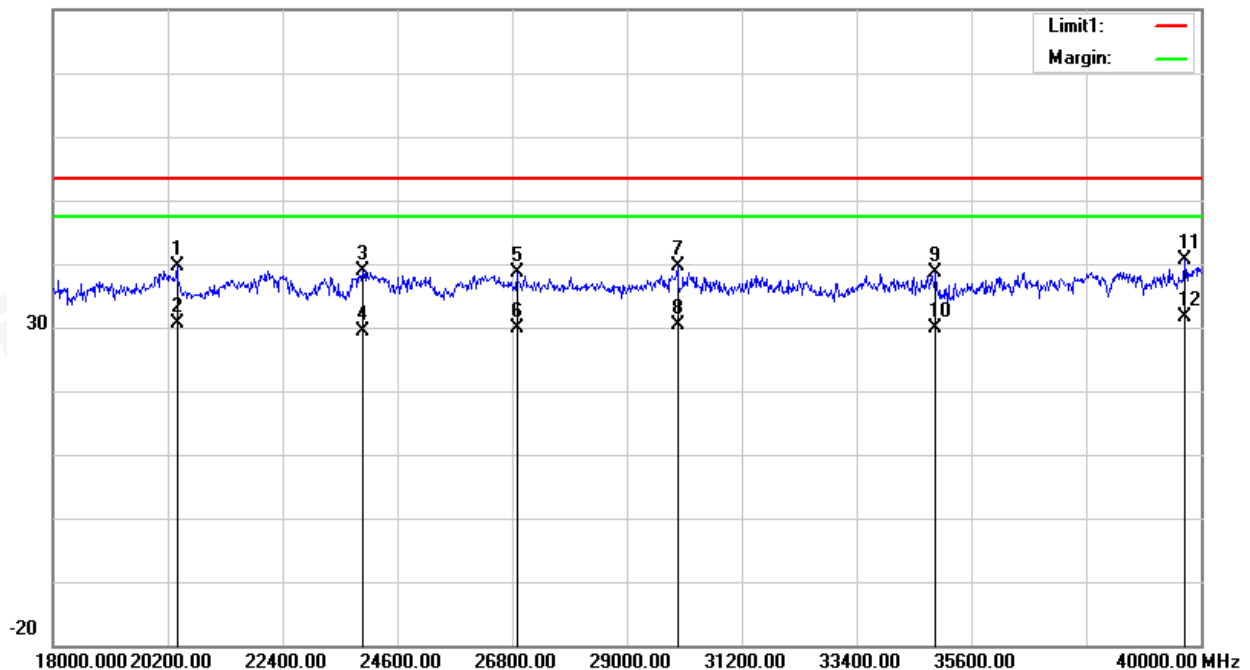
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20376.000	28.28	11.45	39.73	53.44	-13.71	peak
2	20376.000	19.17	11.45	30.62	53.44	-22.82	RMS
3	23940.000	22.94	16.05	38.99	53.44	-14.45	peak
4	23940.000	13.42	16.05	29.47	53.44	-23.97	RMS
5	26888.000	-1.97	40.50	38.53	53.44	-14.91	peak
6	26888.000	-10.65	40.50	29.85	53.44	-23.59	RMS
7	29968.000	0.94	38.64	39.58	53.44	-13.86	peak
8	29968.000	-8.21	38.64	30.43	53.44	-23.01	RMS
9	34918.000	-0.78	39.40	38.62	53.44	-14.82	peak
10	34918.000	-9.57	39.40	29.83	53.44	-23.61	RMS
11	39692.000	-1.65	42.38	40.73	53.44	-12.71	peak
12	39692.000	-10.67	42.38	31.71	53.44	-21.73	RMS

Remark:

9. Margin = Result (Result =Reading + Factor)–Limit

10. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(10600MHz – 40000MHz)		

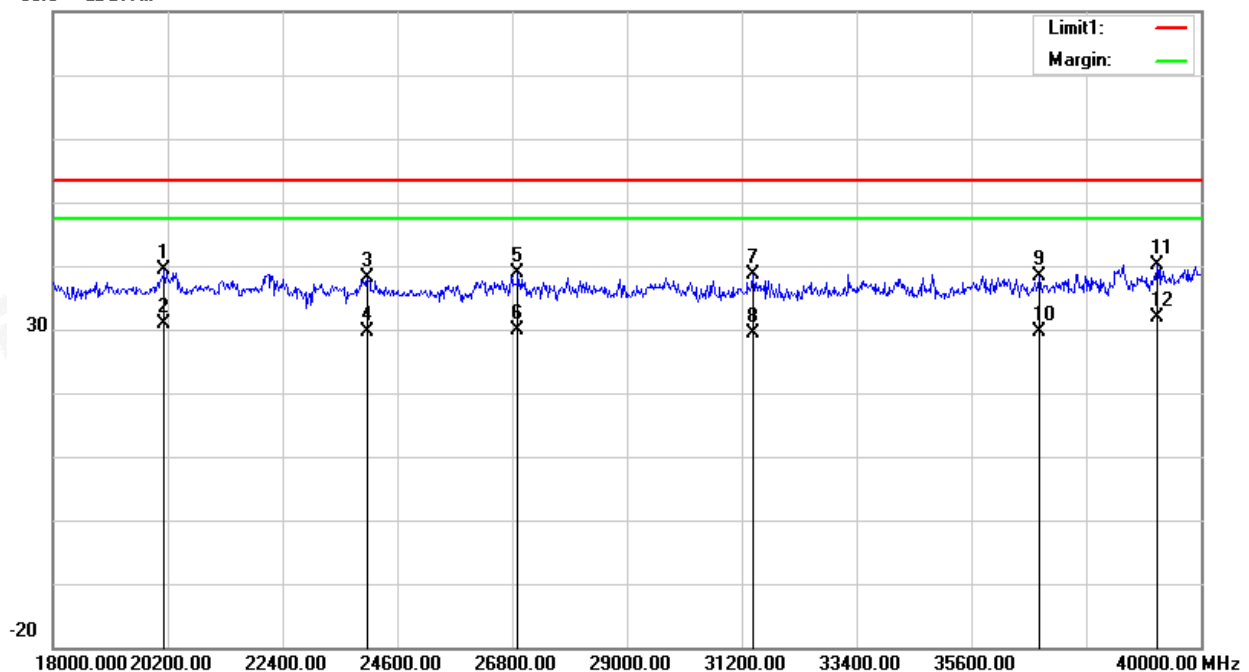
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	20134.000	25.62	13.68	39.30	53.44	-14.14	peak
2	20134.000	17.08	13.68	30.76	53.44	-22.68	RMS
3	24028.000	21.87	16.14	38.01	53.44	-15.43	peak
4	24028.000	13.51	16.14	29.65	53.44	-23.79	RMS
5	26910.000	-1.52	40.50	38.98	53.44	-14.46	peak
6	26910.000	-10.66	40.50	29.84	53.44	-23.60	RMS
7	31420.000	-1.06	39.72	38.66	53.44	-14.78	peak
8	31420.000	-10.3	39.72	29.42	53.44	-24.02	RMS
9	36898.000	-0.35	38.63	38.28	53.44	-15.16	peak
10	36898.000	-8.88	38.63	29.75	53.44	-23.69	RMS
11	39164.000	-0.23	40.34	40.11	53.44	-13.33	peak
12	39164.000	-8.41	40.34	31.93	53.44	-21.51	RMS

Remark:

9. Margin = Result (Result =Reading + Factor)–Limit

10. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

80.0 dBuV/m



3.3 RADIATED EMISSION MEASUREMENT (FOR 15.517(d)&RSS 220 5.2.1(e))

3.3.1 RADIATED EMISSION LIMITS

Frequency of Emission (MHz)	EIRP (dBm)	Field Strength (dBuV/m@3m)	Field Strength (dBuV/m@1m)
1164~1240	-85.3	10	19.54
1559~1610	-85.3	10	19.54

Notes: 1. Transfer rules follow 15.521(g),15.31(f)(1).

2. 15.521(g) converted to a peak field strength level at 3 meters using $E(\text{dBuV/m}) = P(\text{dBmEIRP}) + 95.2$.

3. $\text{dBuV/m@1m} = \text{dBuV/m@3m} + 20 \cdot \log(3/1)$

UWB transmitters operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of no less than 1 kHz:

Frequency Range	RBW	VBW	Detector	Measurement Distance
1164~1240	1kHz	3kHz	RMS	1 Meter
1559~1610	1kHz	3kHz	RMS	1 Meter

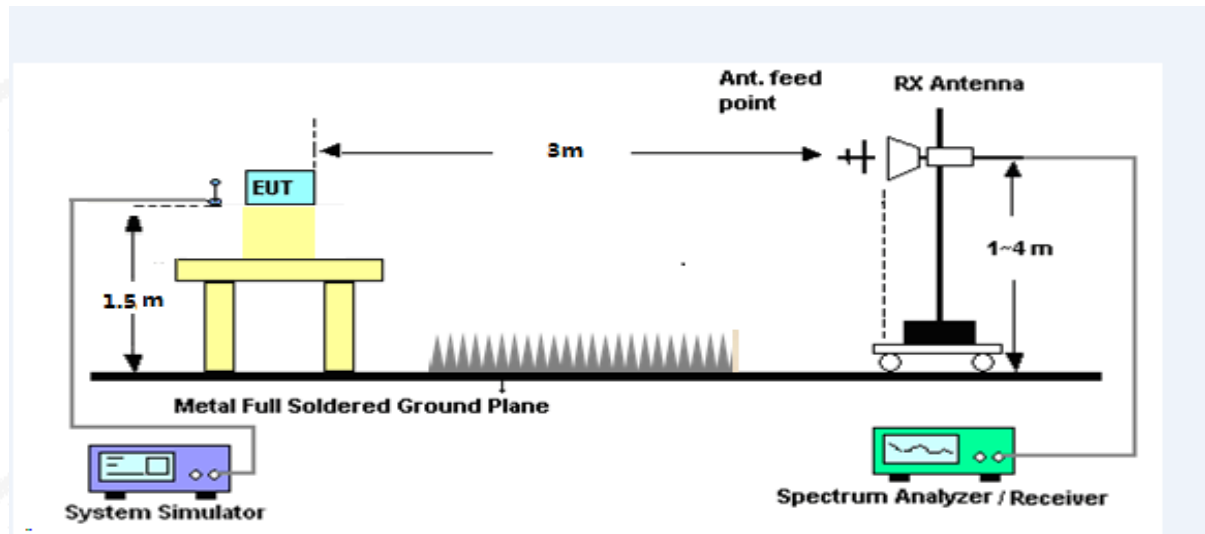
3.3.2 TEST PROCEDURE

- The measuring distance of 1m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the test antenna shall vary between 1m to 4m. Both horizontal and vertical polarization of the antenna are set to make the measurement.
- All readings are RMS mode value, for each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
(Above 960MHz)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP



3.3.5 FIELD STRENGTH CALCULATION

Same as 3.2.5

3.3.6 EUT OPERATING CONDITIONS

Same as 3.2.6

3.3.7 TEST RESULTS

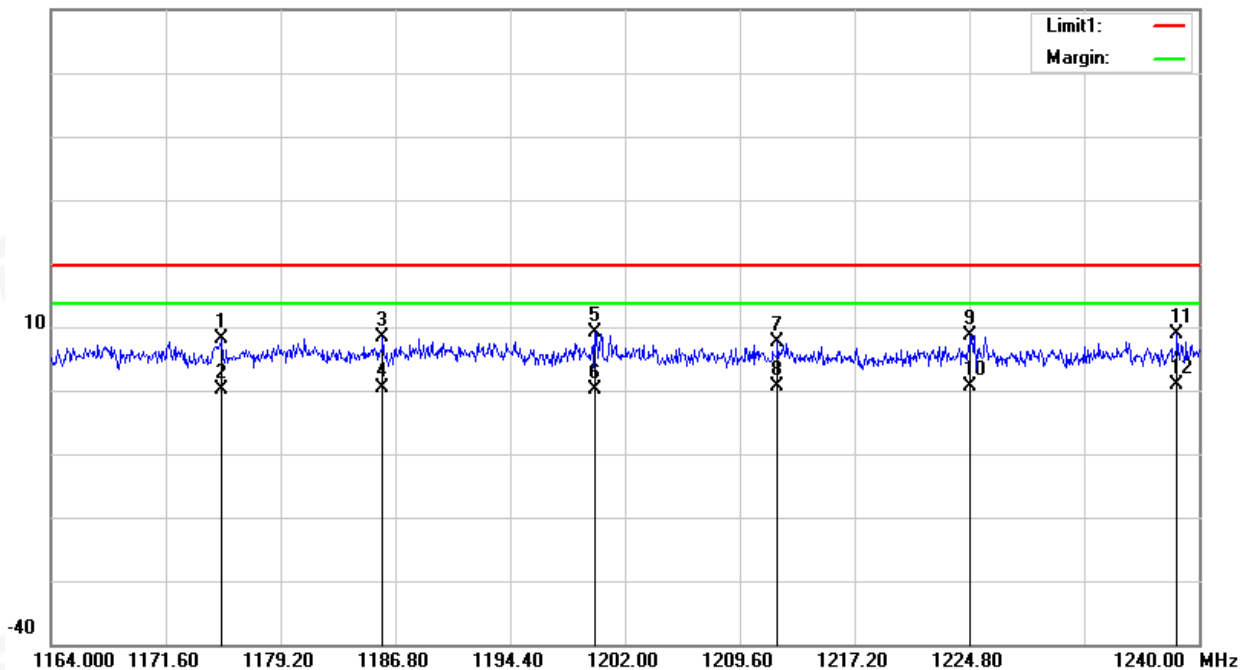
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(1164Hz – 1240MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1175.324	8.72	-0.66	8.06	19.54	-11.48	peak
2	1175.324	0.72	-0.66	0.06	19.54	-19.48	RMS
3	1185.964	8.93	-0.56	8.37	19.54	-11.17	peak
4	1185.964	0.93	-0.56	0.37	19.54	-19.17	RMS
5	1200.024	9.46	-0.42	9.04	19.54	-10.50	peak
6	1200.024	0.46	-0.42	0.04	19.54	-19.50	RMS
7	1212.108	8.01	-0.44	7.57	19.54	-11.97	peak
8	1212.108	1.01	-0.44	0.57	19.54	-18.97	RMS
9	1224.876	9.16	-0.47	8.69	19.54	-10.85	peak
10	1224.876	1.16	-0.47	0.69	19.54	-18.85	RMS
11	1238.556	9.28	-0.49	8.79	19.54	-10.75	peak
12	1238.556	1.28	-0.49	0.79	19.54	-18.75	RMS

Remark:

- Margin = Result (Result =Reading + Factor)-Limit
- Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



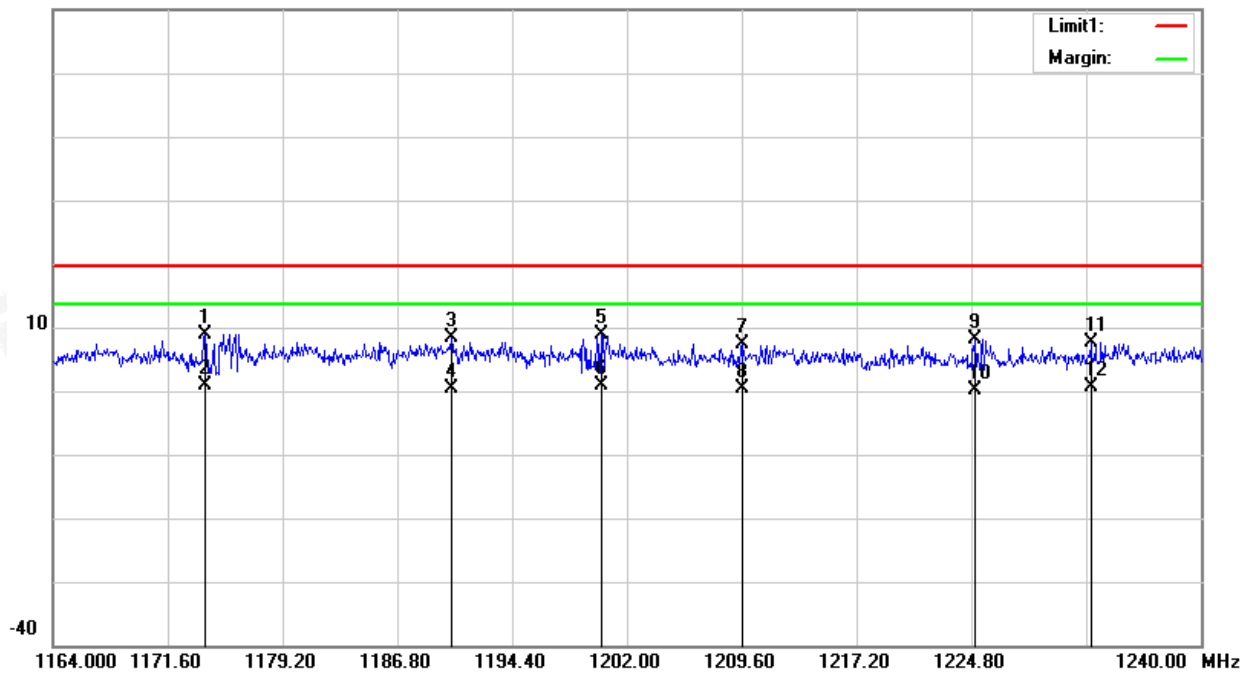
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(1164Hz – 1240MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1174.032	9.59	-0.68	8.91	19.54	-10.63	peak
2	1174.032	1.59	-0.68	0.91	19.54	-18.63	RMS
3	1190.372	8.96	-0.52	8.44	19.54	-11.10	peak
4	1190.372	0.96	-0.52	0.44	19.54	-19.10	RMS
5	1200.328	9.32	-0.42	8.90	19.54	-10.64	peak
6	1200.328	1.32	-0.42	0.90	19.54	-18.64	RMS
7	1209.600	7.86	-0.43	7.43	19.54	-12.11	peak
8	1209.600	0.86	-0.43	0.43	19.54	-19.11	RMS
9	1225.028	8.50	-0.47	8.03	19.54	-11.51	peak
10	1225.028	0.50	-0.47	0.03	19.54	-19.51	RMS
11	1232.704	8.15	-0.48	7.67	19.54	-11.87	peak
12	1232.704	1.15	-0.48	0.67	19.54	-18.87	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



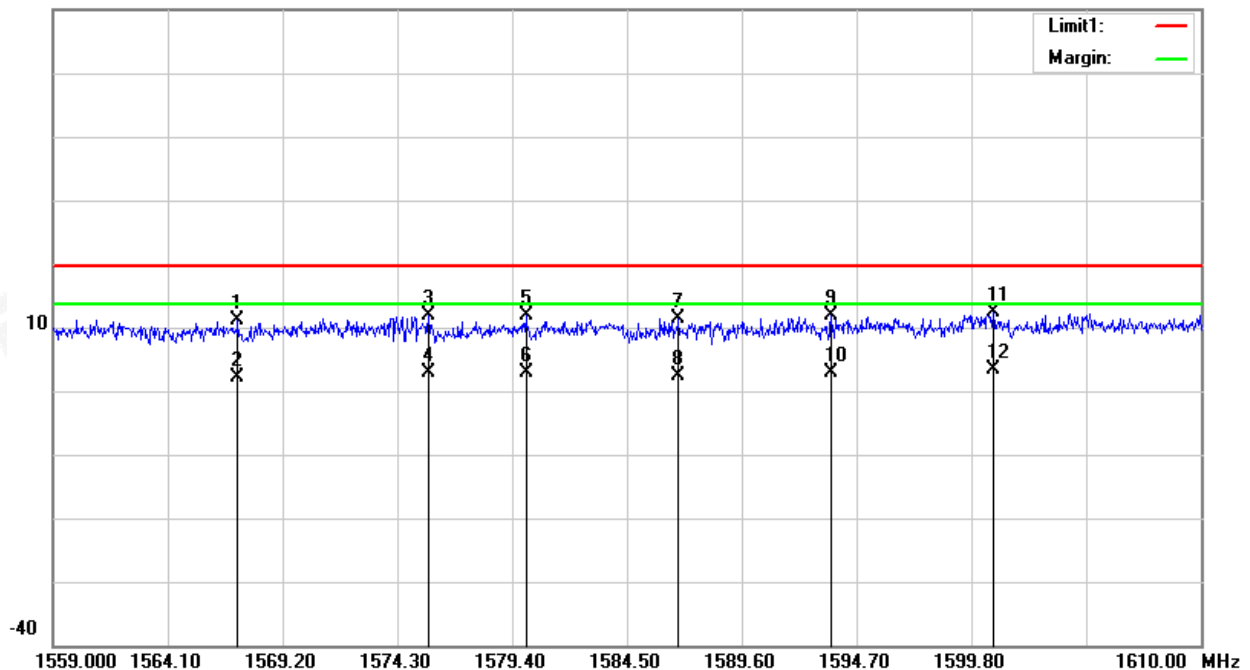
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1(1559Hz – 1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1567.211	8.01	3.21	11.22	19.54	-8.32	peak
2	1567.211	-0.99	3.21	2.22	19.54	-17.32	RMS
3	1575.677	8.45	3.47	11.92	19.54	-7.62	peak
4	1575.677	-0.55	3.47	2.92	19.54	-16.62	RMS
5	1580.012	8.20	3.61	11.81	19.54	-7.73	peak
6	1580.012	-0.80	3.61	2.81	19.54	-16.73	RMS
7	1586.795	7.54	3.82	11.36	19.54	-8.18	peak
8	1586.795	-1.46	3.82	2.36	19.54	-17.18	RMS
9	1593.578	7.79	4.04	11.83	19.54	-7.71	peak
10	1593.578	-1.21	4.04	2.83	19.54	-16.71	RMS
11	1600.769	8.08	4.24	12.32	19.54	-7.22	peak
12	1600.769	-0.92	4.24	3.32	19.54	-16.22	RMS

Remark:

1. $\text{Margin} = \text{Result} (\text{Result} = \text{Reading} + \text{Factor}) - \text{Limit}$
2. $\text{Factor} = \text{Antenna factor} + \text{Cable attenuation factor} (\text{cable loss}) - \text{Amplifier gain}$

60.0 dBuV/m





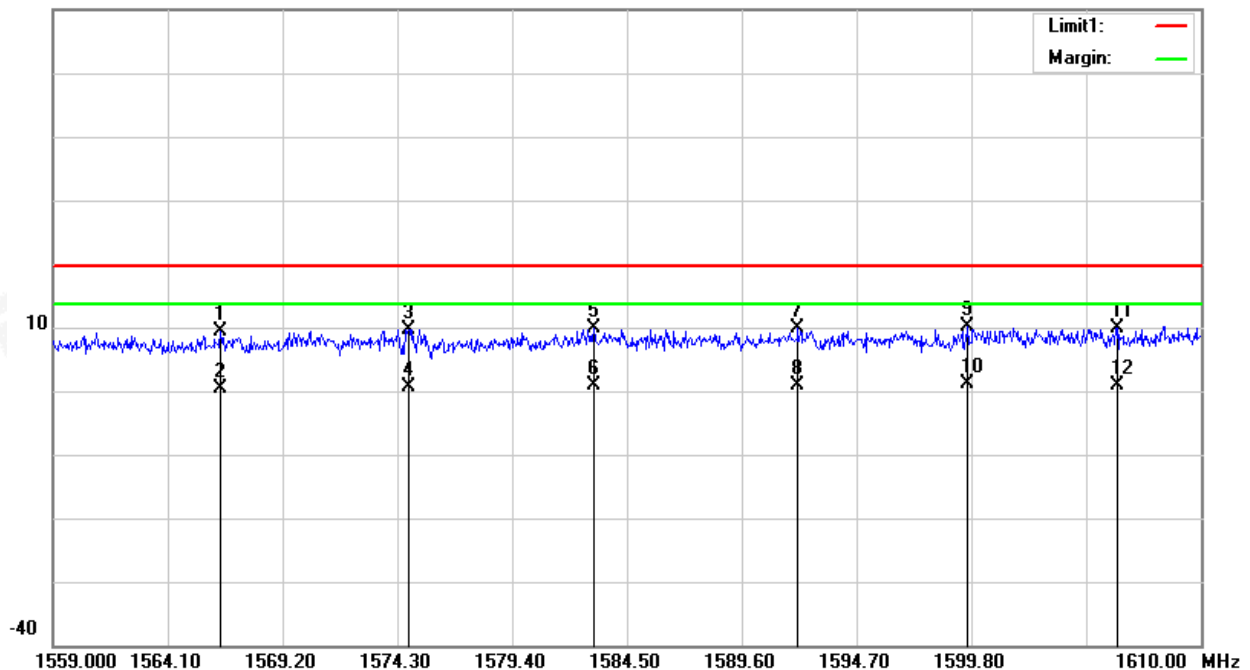
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1(1559Hz – 1610MHz)		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1566.446	6.26	3.18	9.44	19.54	-10.10	peak
2	1566.446	-2.74	3.18	0.44	19.54	-19.10	RMS
3	1574.810	6.25	3.45	9.70	19.54	-9.84	peak
4	1574.810	-2.75	3.45	0.70	19.54	-18.84	RMS
5	1583.021	6.13	3.71	9.84	19.54	-9.70	peak
6	1583.021	-2.87	3.71	0.84	19.54	-18.70	RMS
7	1592.099	5.86	3.99	9.85	19.54	-9.69	peak
8	1592.099	-3.14	3.99	0.85	19.54	-18.69	RMS
9	1599.647	5.88	4.23	10.11	19.54	-9.43	peak
10	1599.647	-3.12	4.23	1.11	19.54	-18.43	RMS
11	1606.277	5.62	4.24	9.86	19.54	-9.68	peak
12	1606.277	-3.38	4.24	0.86	19.54	-18.68	RMS

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(1164Hz – 1240MHz)		

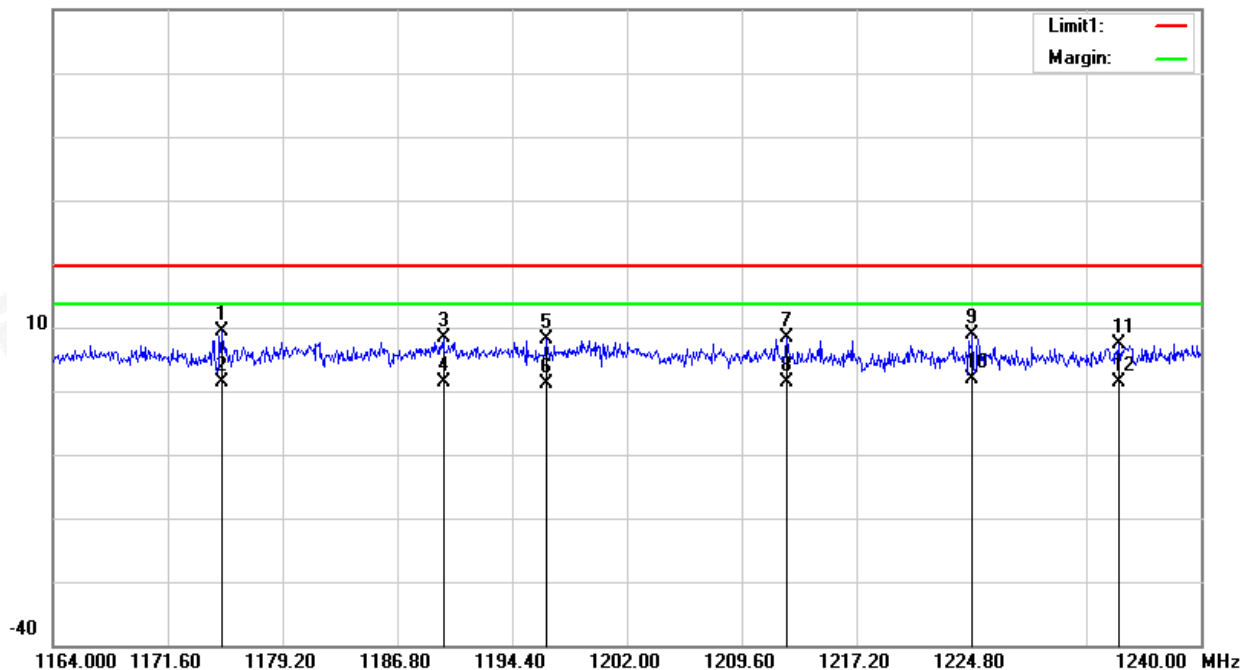
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1175.172	9.94	-0.66	9.28	19.54	-10.26	peak
2	1175.172	1.94	-0.66	1.28	19.54	-18.26	RMS
3	1189.840	8.96	-0.52	8.44	19.54	-11.10	peak
4	1189.840	1.96	-0.52	1.44	19.54	-18.10	RMS
5	1196.680	8.70	-0.46	8.24	19.54	-11.30	peak
6	1196.680	1.70	-0.46	1.24	19.54	-18.30	RMS
7	1212.564	8.82	-0.45	8.37	19.54	-11.17	peak
8	1212.564	1.82	-0.45	1.37	19.54	-18.17	RMS
9	1224.876	9.27	-0.47	8.80	19.54	-10.74	peak
10	1224.876	2.27	-0.47	1.80	19.54	-17.74	RMS
11	1234.528	7.82	-0.48	7.34	19.54	-12.20	peak
12	1234.528	1.82	-0.48	1.34	19.54	-18.20	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(1164Hz – 1240MHz)		

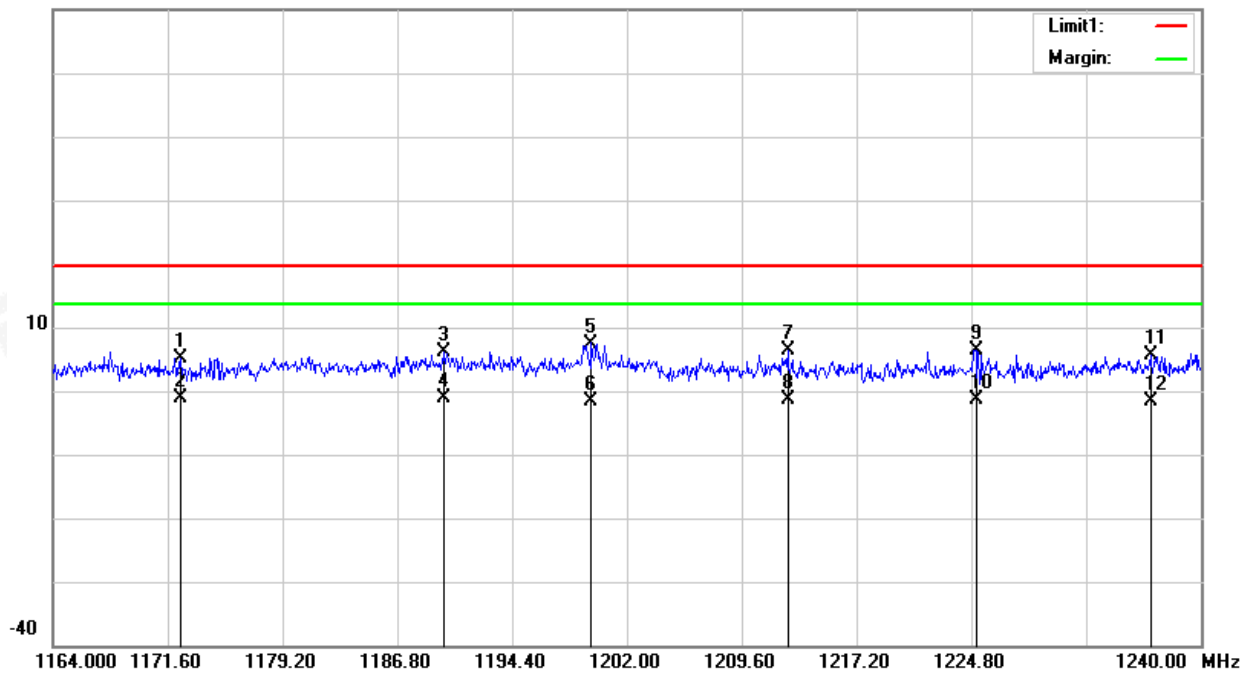
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1172.436	5.94	-0.70	5.24	19.54	-14.30	peak
2	1172.436	-0.54	-0.70	-1.24	19.54	-20.78	RMS
3	1189.916	6.63	-0.52	6.11	19.54	-13.43	peak
4	1189.916	-0.59	-0.52	-1.11	19.54	-20.65	RMS
5	1199.644	7.92	-0.42	7.50	19.54	-12.04	peak
6	1199.644	-1.08	-0.42	-1.50	19.54	-21.04	RMS
7	1212.640	6.84	-0.45	6.39	19.54	-13.15	peak
8	1212.640	-0.94	-0.45	-1.39	19.54	-20.93	RMS
9	1225.104	6.96	-0.47	6.49	19.54	-13.05	peak
10	1225.104	-1.02	-0.47	-1.49	19.54	-21.03	RMS
11	1236.656	6.00	-0.49	5.51	19.54	-14.03	peak
12	1236.656	-1.02	-0.49	-1.51	19.54	-21.05	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2(1559Hz – 1610MHz)		

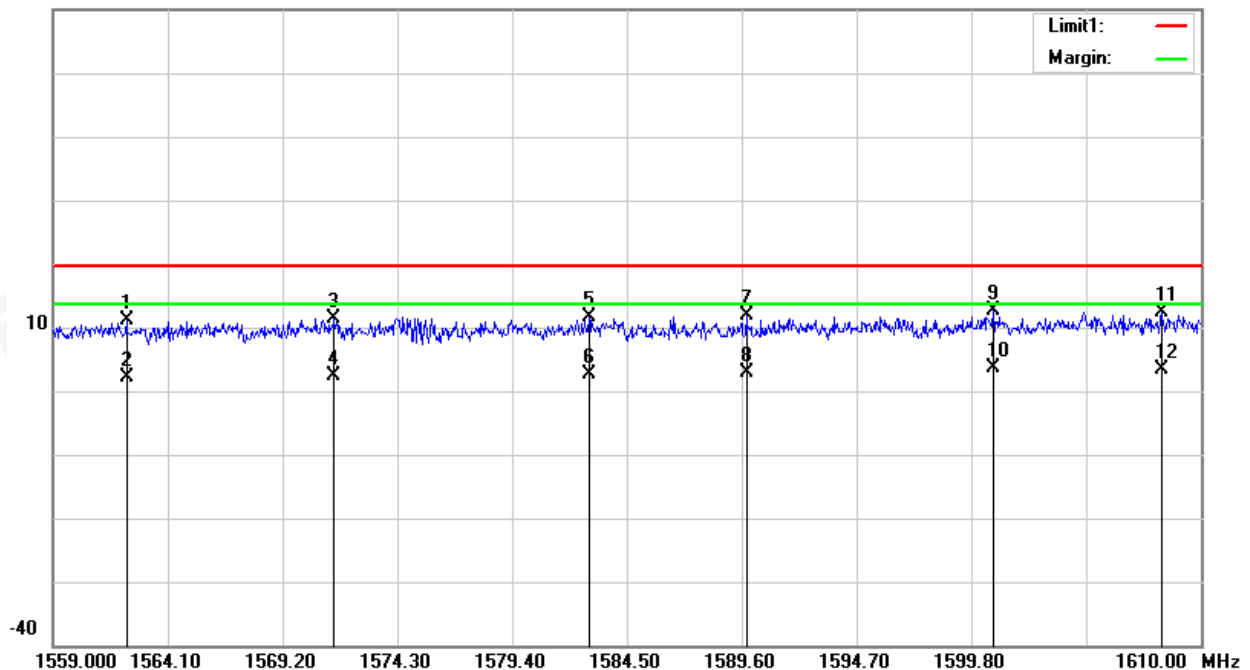
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1562.264	8.03	3.06	11.09	19.54	-8.45	peak
2	1562.264	-0.97	3.06	2.09	19.54	-17.45	RMS
3	1571.495	8.13	3.35	11.48	19.54	-8.06	peak
4	1571.495	-0.87	3.35	2.48	19.54	-17.06	RMS
5	1582.817	7.92	3.70	11.62	19.54	-7.92	peak
6	1582.817	-1.08	3.70	2.62	19.54	-16.92	RMS
7	1589.804	7.84	3.92	11.76	19.54	-7.78	peak
8	1589.804	-1.16	3.92	2.76	19.54	-16.78	RMS
9	1600.769	8.32	4.24	12.56	19.54	-6.98	peak
10	1600.769	-0.68	4.24	3.56	19.54	-15.98	RMS
11	1608.266	8.26	4.24	12.50	19.54	-7.04	peak
12	1608.266	-0.74	4.24	3.50	19.54	-16.04	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2(1559Hz – 1610MHz)		

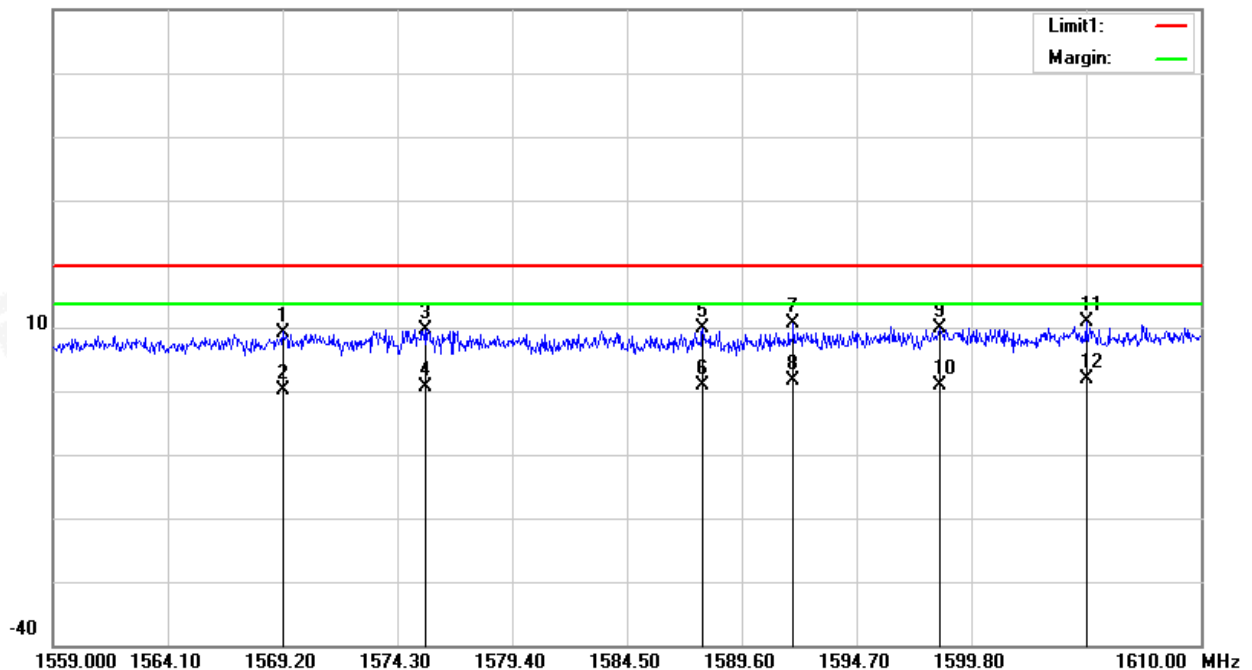
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1569.200	5.98	3.27	9.25	19.54	-10.29	peak
2	1569.200	-3.02	3.27	0.25	19.54	-19.29	RMS
3	1575.524	6.17	3.47	9.64	19.54	-9.90	peak
4	1575.524	-2.83	3.47	0.64	19.54	-18.90	RMS
5	1587.866	5.99	3.86	9.85	19.54	-9.69	peak
6	1587.866	-3.01	3.86	0.85	19.54	-18.69	RMS
7	1591.895	6.72	3.99	10.71	19.54	-8.83	peak
8	1591.895	-2.28	3.99	1.71	19.54	-17.83	RMS
9	1598.423	5.76	4.19	9.95	19.54	-9.59	peak
10	1598.423	-3.24	4.19	0.95	19.54	-18.59	RMS
11	1604.900	6.75	4.24	10.99	19.54	-8.55	peak
12	1604.900	-2.25	4.24	1.99	19.54	-17.55	RMS

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(1164Hz – 1240MHz)		

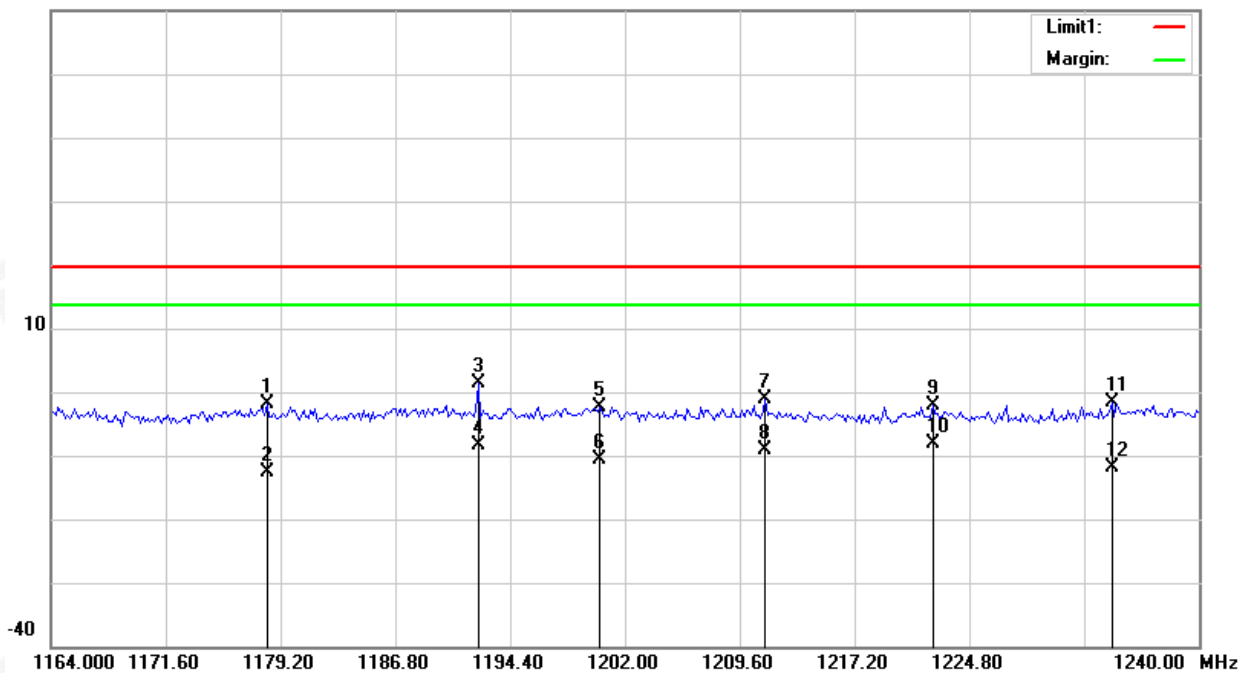
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1178.288	-1.29	-0.64	-1.93	19.54	-21.47	peak
2	1178.288	-11.98	-0.64	-12.62	19.54	-32.16	RMS
3	1192.272	1.95	-0.49	1.46	19.54	-18.08	peak
4	1192.272	-7.85	-0.49	-8.34	19.54	-27.88	RMS
5	1200.328	-1.85	-0.42	-2.27	19.54	-21.81	peak
6	1200.328	-10.09	-0.42	-10.51	19.54	-30.05	RMS
7	1211.272	-0.70	-0.44	-1.14	19.54	-20.68	peak
8	1211.272	-8.73	-0.44	-9.17	19.54	-28.71	RMS
9	1222.368	-1.72	-0.46	-2.18	19.54	-21.72	peak
10	1222.368	-7.74	-0.46	-8.20	19.54	-27.74	RMS
11	1234.224	-1.25	-0.48	-1.73	19.54	-21.27	peak
12	1234.224	-11.37	-0.48	-11.85	19.54	-31.39	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(1164Hz – 1240MHz)		

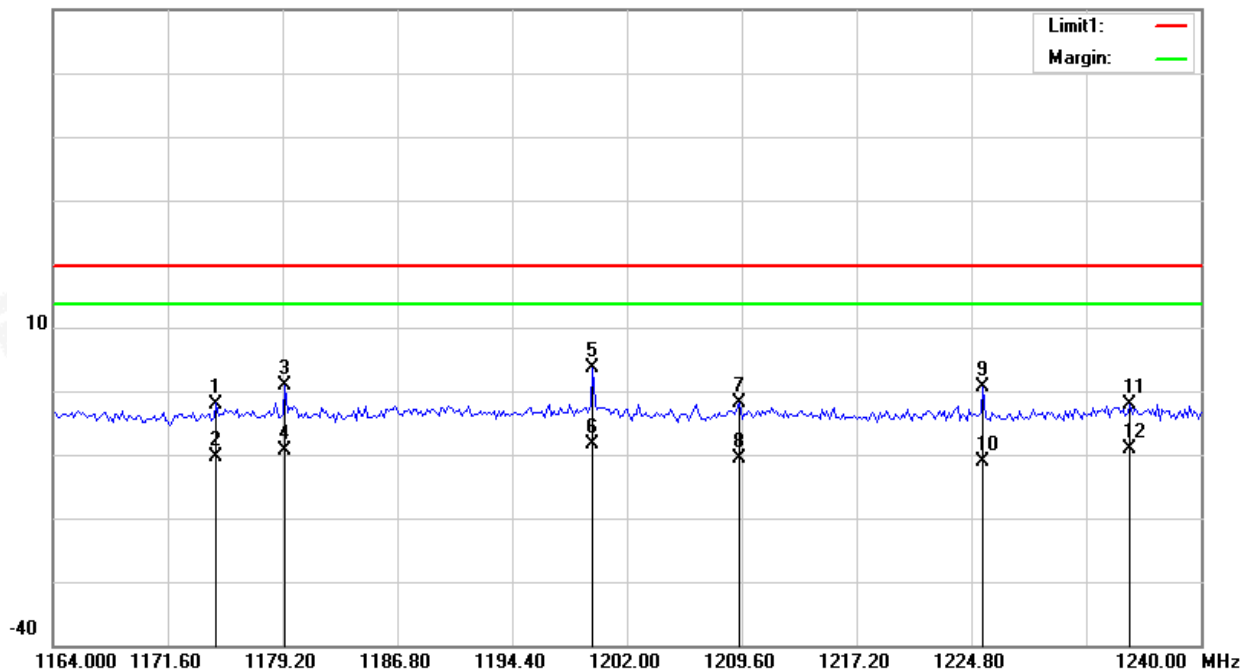
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1174.792	-1.33	-0.67	-2.00	19.54	-21.54	peak
2	1174.792	-9.68	-0.67	-10.35	19.54	-29.89	RMS
3	1179.352	1.43	-0.63	0.80	19.54	-18.74	peak
4	1179.352	-8.86	-0.63	-9.49	19.54	-29.03	RMS
5	1199.720	4.13	-0.42	3.71	19.54	-15.83	peak
6	1199.720	-7.90	-0.42	-8.32	19.54	-27.86	RMS
7	1209.448	-1.33	-0.43	-1.76	19.54	-21.30	peak
8	1209.448	-10.15	-0.43	-10.58	19.54	-30.12	RMS
9	1225.560	1.00	-0.47	0.53	19.54	-19.01	peak
10	1225.560	-10.77	-0.47	-11.24	19.54	-30.78	RMS
11	1235.288	-1.61	-0.49	-2.10	19.54	-21.64	peak
12	1235.288	-8.54	-0.49	-9.03	19.54	-28.57	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3(1559Hz – 1610MHz)		

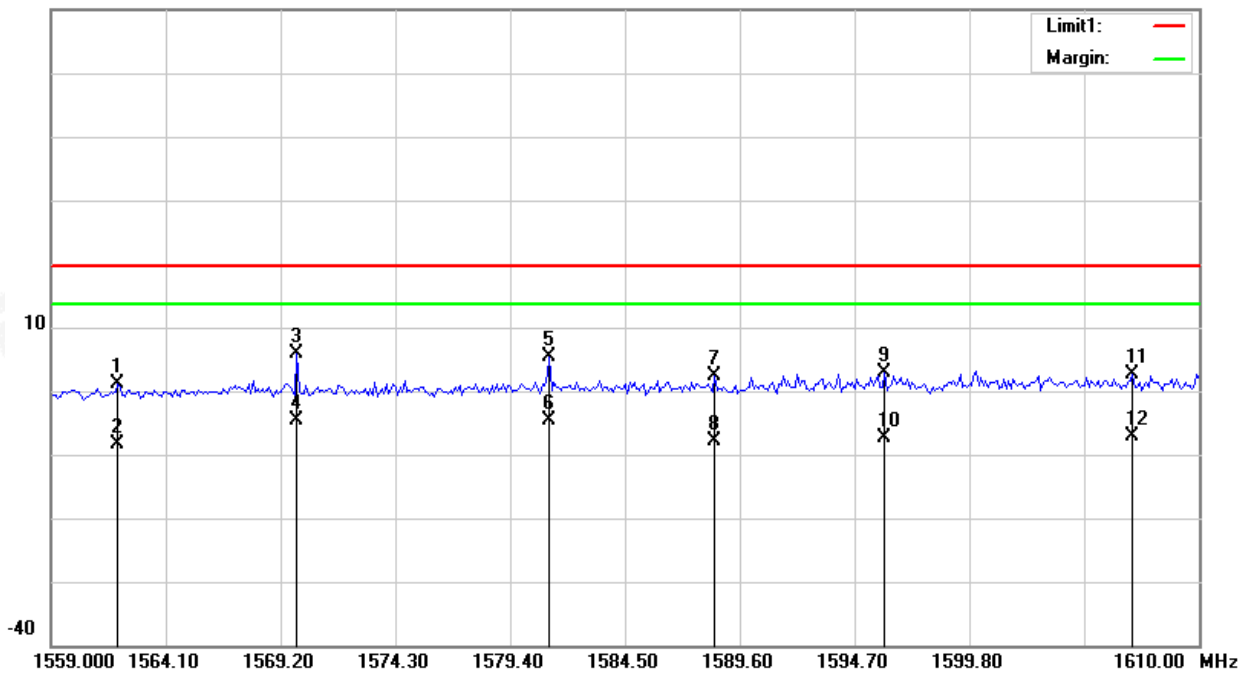
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1561.958	-1.97	3.05	1.08	19.54	-18.46	peak
2	1561.958	-11.39	3.05	-8.34	19.54	-27.88	RMS
3	1569.914	2.60	3.30	5.90	19.54	-13.64	peak
4	1569.914	-7.93	3.30	-4.63	19.54	-24.17	RMS
5	1581.134	1.84	3.65	5.49	19.54	-14.05	peak
6	1581.134	-8.21	3.65	-4.56	19.54	-24.10	RMS
7	1588.478	-1.55	3.88	2.33	19.54	-17.21	peak
8	1588.478	-11.69	3.88	-7.81	19.54	-27.35	RMS
9	1596.026	-1.31	4.11	2.80	19.54	-16.74	peak
10	1596.026	-11.47	4.11	-7.36	19.54	-26.90	RMS
11	1607.042	-1.61	4.24	2.63	19.54	-16.91	peak
12	1607.042	-11.43	4.24	-7.19	19.54	-26.73	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3(1559Hz – 1610MHz)		

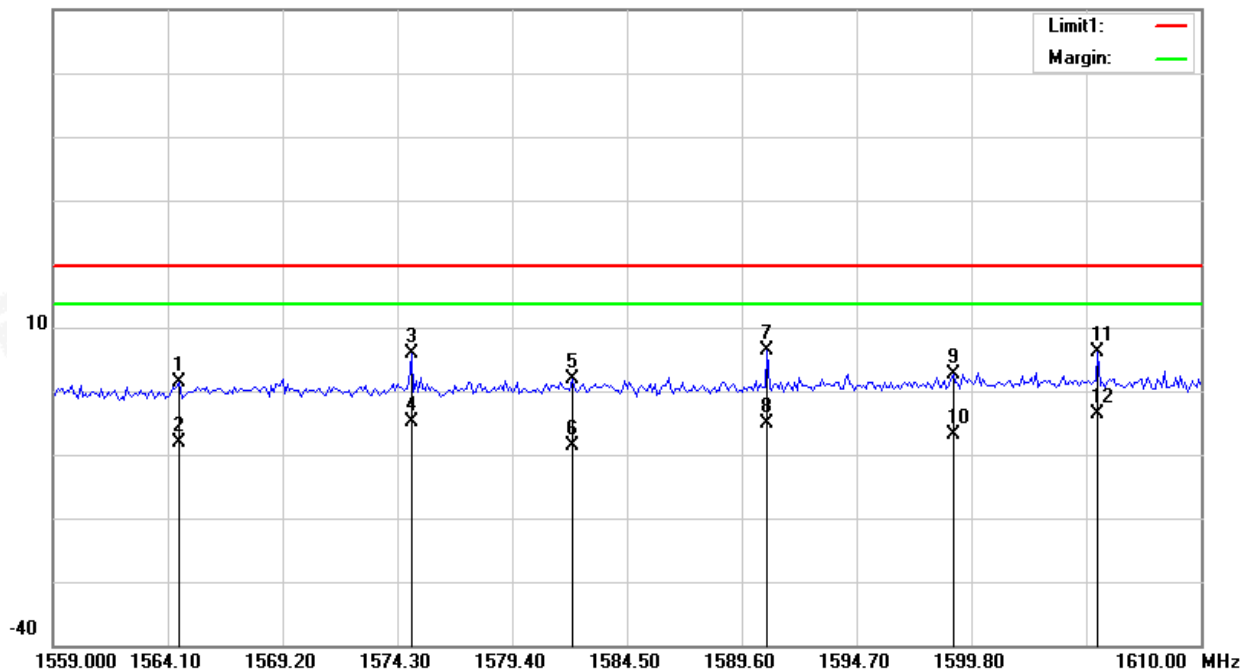
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1564.610	-1.70	3.13	1.43	19.54	-18.11	peak
2	1564.610	-11.31	3.13	-8.18	19.54	-27.72	RMS
3	1574.912	2.37	3.46	5.83	19.54	-13.71	peak
4	1574.912	-8.42	3.46	-4.96	19.54	-24.50	RMS
5	1582.052	-1.72	3.68	1.96	19.54	-17.58	peak
6	1582.052	-12.31	3.68	-8.63	19.54	-28.17	RMS
7	1590.722	2.36	3.95	6.31	19.54	-13.23	peak
8	1590.722	-9.07	3.95	-5.12	19.54	-24.66	RMS
9	1598.984	-1.63	4.21	2.58	19.54	-16.96	peak
10	1598.984	-11.01	4.21	-6.80	19.54	-26.34	RMS
11	1605.410	1.95	4.24	6.19	19.54	-13.35	peak
12	1605.410	-7.95	4.24	-3.71	19.54	-23.25	RMS

Remark:

5. Margin = Result (Result =Reading + Factor)–Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

60.0 dBuV/m



4. UWB BANDWIDTH AND 99% BANDWIDTH

4.1 LIMITS OF UWB BANDWIDTH MEASUREMENT

The UWB bandwidth of a UWB system operating under the provisions of this section must be contained between 3100 MHz and 10,600 MHz.

At any point in time, has a fractional bandwidth equal to or greater than 0.20 or has a UWB bandwidth equal to or greater than 500 MHz, regardless of the fractional bandwidth.

The 99% bandwidth for reporting purposes only.

4.2 INSTRUMENT SETUP VALUE AND MEASUREMENT DISTANCE

Frequency Range	RBW	VBW	Detector	Measurement Distance
3100~10600	3MHz	10MHz	PEAK	1 Meter

4.3 TEST PROCEDURE

- The measuring distance of 1m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the test antenna shall vary between 1m to 4m. Both horizontal and vertical polarization of the antenna are set to make the measurement.
- All readings are RMS mode value, for each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.
- The Spectrum Analyzer system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- The UWB Bandwidth is measured at the 10 dB point (FL, FH).

Note: Both horizontal and vertical antenna polarities were tested. The worst case emissions were reported.

99% Bandwidth connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the occupied bandwidth
VBW	approximately 3×RBW
Trace	Max hold
Sweep	Auto

Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB and 99% relative to the maximum level measured in the fundamental emission.

4.4 TEST SETUP

Same as 3.3.4

4.5 EUT OPERATION CONDITIONS

Same as 3.2.6

4.6 TEST RESULTS

Temperature:	25 °C	Relative Humidity:	50%
Test Voltage:	AC 120V/60Hz		

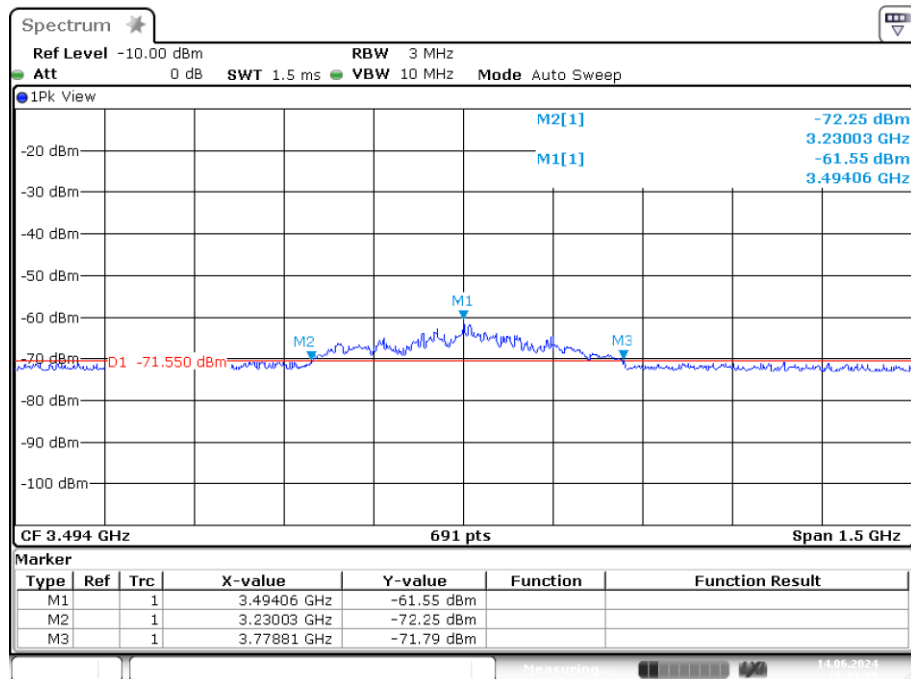
Test Channel	f _M (MHz)	f _L (MHz)	f _H (MHz)	-10dB Bandwidth (MHz)	f _C (MHz)	Fractional Bandwidth (MHz)	Limit	Result
CH1	3494.1	3203	3778.8	575.78	3490.9	0.16	-10dB Bandwidth ≥ 500MHz or Fractional Bandwidth ≥ 0.2	Pass

Test Channel	f _M (MHz)	f _L (MHz)	f _H (MHz)	-10dB Bandwidth (MHz)	f _C (MHz)	Fractional Bandwidth (MHz)	Limit	Result
CH2	4491.1	4211.4	4776.9	565.54	4494.1	0.13	-10dB Bandwidth ≥ 500MHz or Fractional Bandwidth ≥ 0.2	Pass

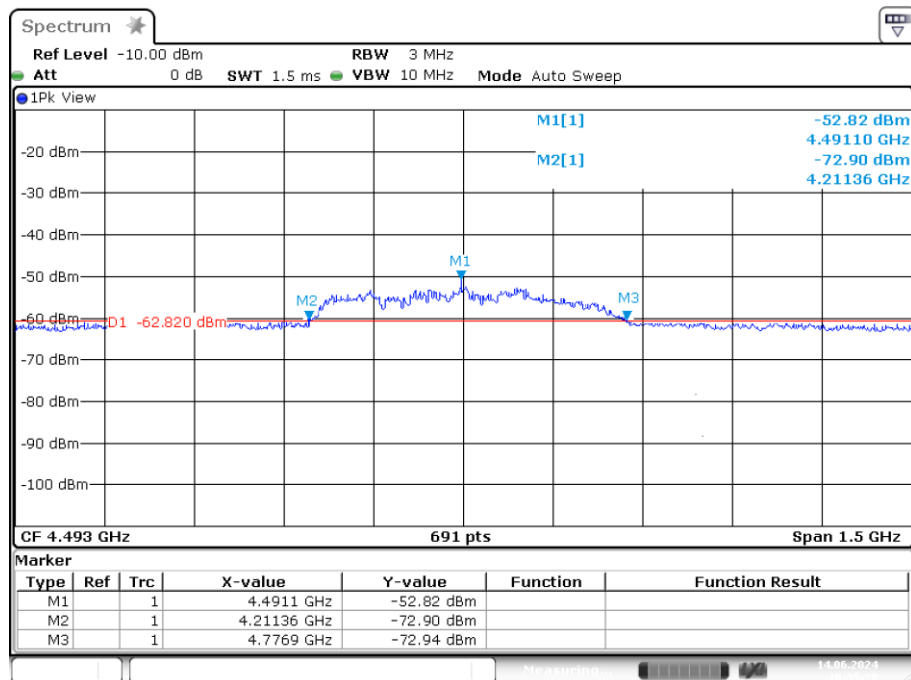
Test Channel	f _M (MHz)	f _L (MHz)	f _H (MHz)	-10dB Bandwidth (MHz)	f _C (MHz)	Fractional Bandwidth (MHz)	Limit	Result
CH 3	6531.7	6155.4	6839.9	684.5	6497.7	0.11	-10dB Bandwidth ≥ 500MHz or Fractional Bandwidth ≥ 0.2	Pass



CH 1

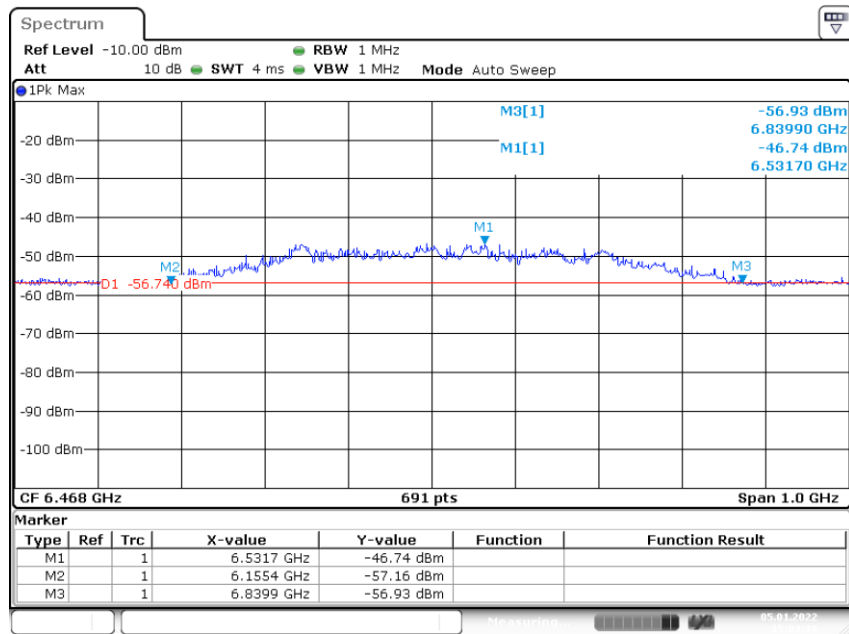


CH 2





CH 3



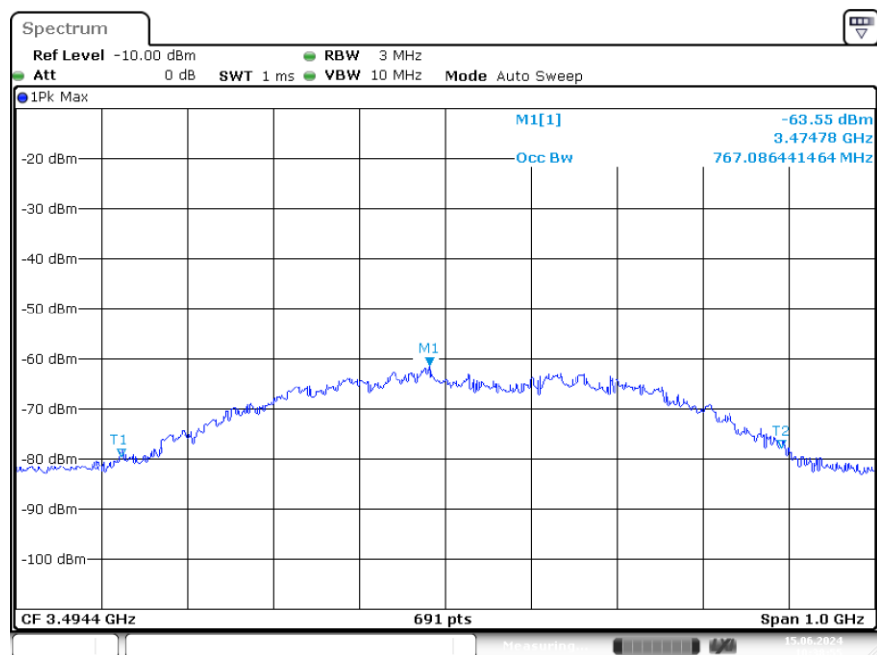
Date: 5.JAN.2022 15:03:09



Temperature:	25 °C	Relative Humidity:	50%
Test Voltage:	AC 120V/60Hz		

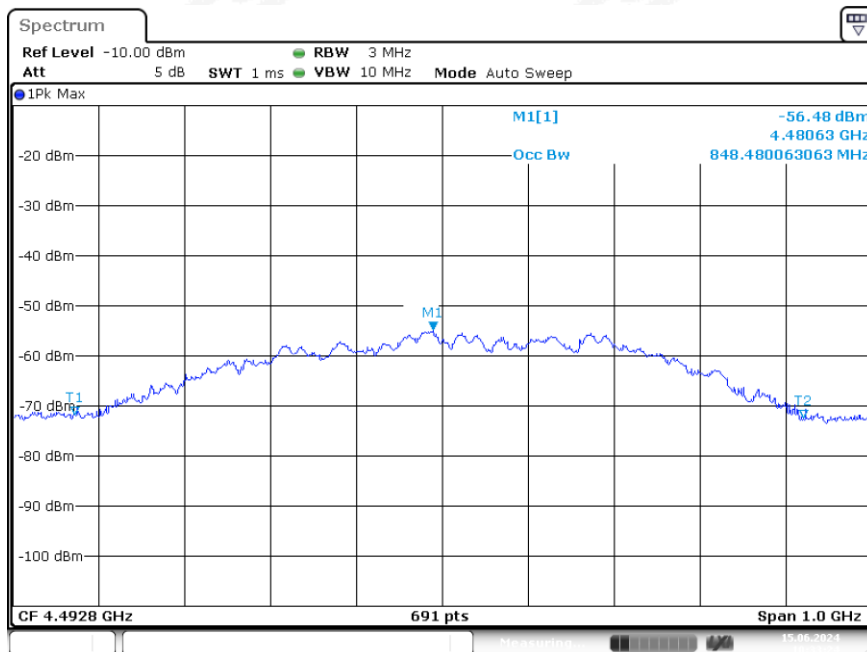
Frequency (MHz)	99% Bandwidth (MHz)	Result
3494.4	767.086	PASS

CH1



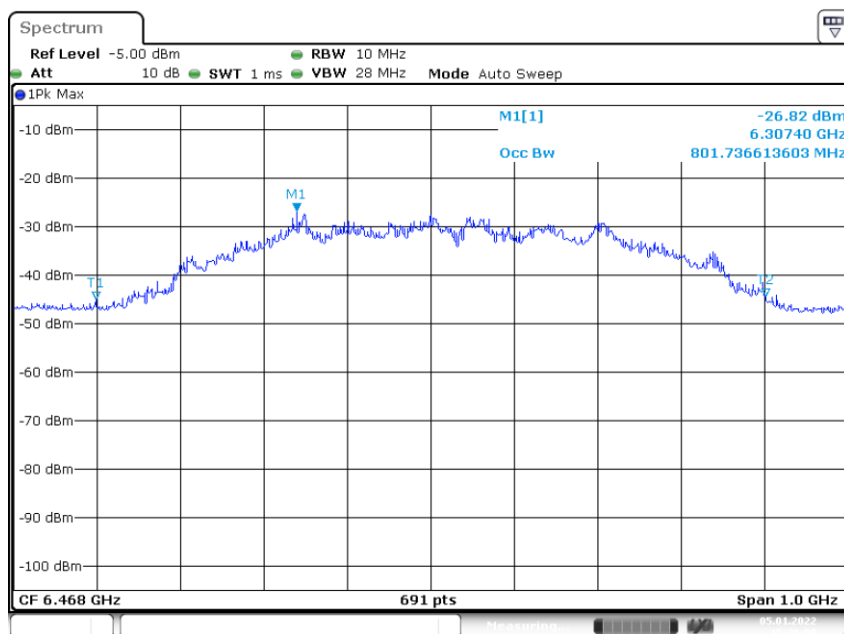
Frequency (MHz)	99% Bandwidth (MHz)	Result
4492.8	848.480	PASS

CH2



Frequency (MHz)	99% Bandwidth (MHz)	Result
6468	801.74	PASS

CH 3





5 PEAK EMISSION WITHIN A 50MHZ BANDWIDTH (FOR 15.517(e) & RSS-220

5.2.1(g))

5.1 LIMITS OF PEAK EMISSION

The Maximum Peak Output Power Measurement is 0dBm(RBW=50MHz).

If a resolution bandwidth other than 50 MHz is Employed, the peak EIRP limit shall be $20 \log(RBW/50)$ dBm where RBW is the resolution bandwidth in megahertz that is employed. The resolution bandwidth used to make the peak measurement was 1MHz, resulting in a limit of -34dBm.

This may be converted to a peak field strength level at 3 meters using

$$E(\text{dBuV/m}) = P(\text{dBm EIRP}) + 95.2 = -34 + 95.2 = 61.2 \text{ dBuV/m}$$

Note: $\text{EIRP}_{1\text{MHz}} = \text{EIRP}_{50\text{MHz}} + 20\log(1\text{MHz} / 50 \text{ MHz}) = 0 \text{ dBm} + -34 \text{ dB} = -34 \text{ dBm}$

5.2 INSTRUMENT SETUP VALUE AND MEASUREMENT DISTANCE

Frequency Range	RBW	VBW	Detector	Measurement Distance
3100~10600	1MHz	3MHz	PEAK	3 Meter

5.3 TEST PROCEDURE

Same as 3.3.2

5.4 DEVIATION FROM TEST STANDARD

No deviation

5.5 TEST SETUP

Same as 3.3.4

5.6 FIELD STRENGTH CALCULATION

Same as 3.2.5

5.7 EUT OPERATING CONDITIONS

Same as 3.2.5

5.8 TEST RESULTS

Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 1		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3472.400	60.54	-11.51	49.03	61.30	-12.27	peak

Remark:

- Margin = Result (Result =Reading + Factor)-Limit
- Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





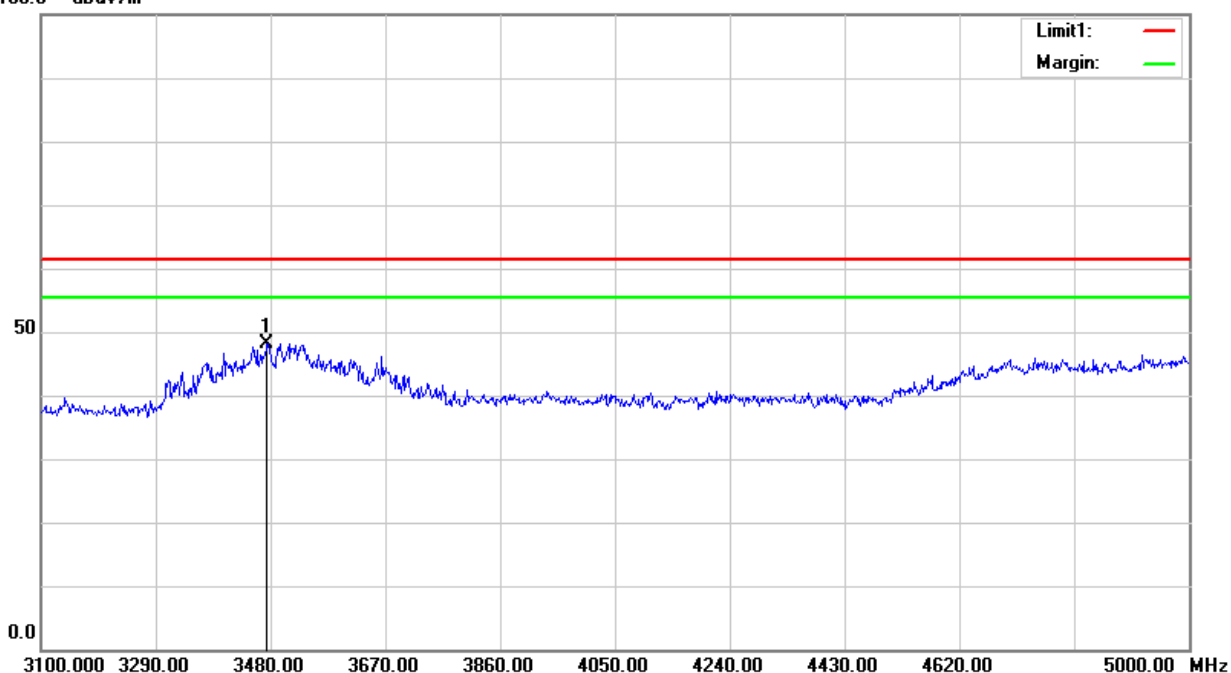
Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 1		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3474.300	59.66	-11.51	48.15	61.30	-13.15	peak

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m



Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Horizontal
Test Mode:	CH 2		

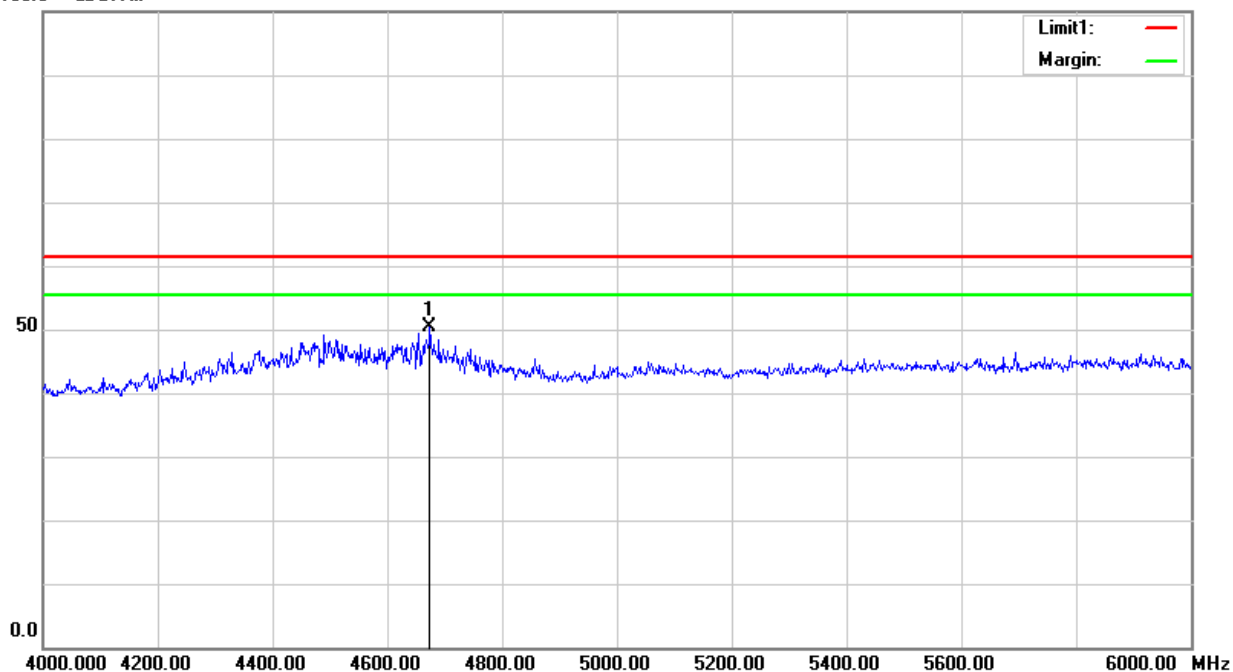
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4674.000	57.76	-7.49	50.27	61.30	-11.03	peak

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m





Temperature:	23.1(C)	Relative Humidity:	60%RH
Test Voltage:	AC 120V/60HZ	Phase:	Vertical
Test Mode:	CH 2		

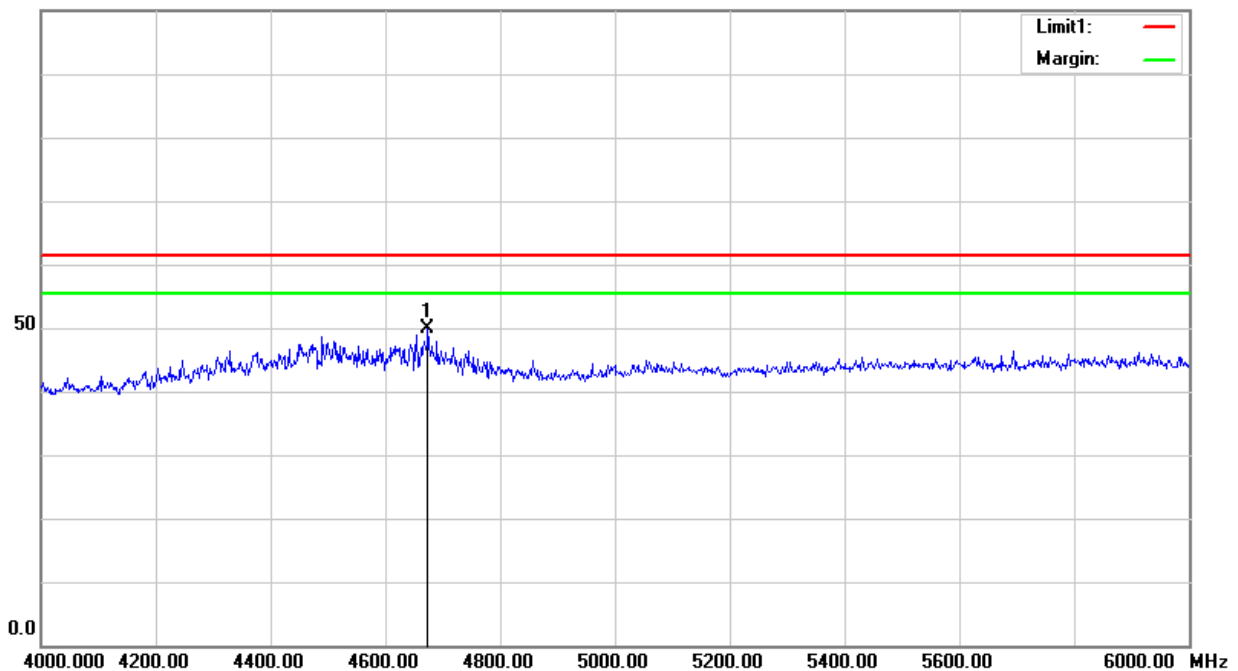
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4674.000	57.26	-7.49	49.77	61.30	-11.53	peak

Remark:

3. Margin = Result (Result =Reading + Factor)-Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m





Temperature:	23.5(C)	Relative Humidity:	62%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	CH 3		

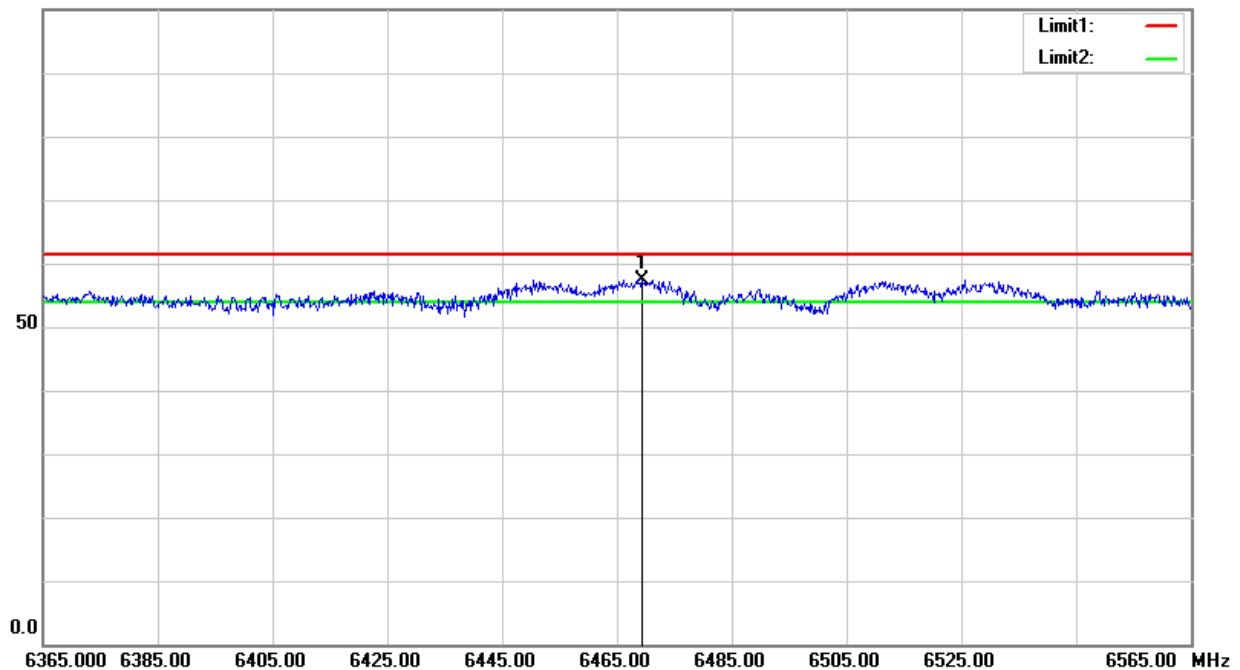
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6469.400	59.46	-2.03	57.43	61.20	-3.77	peak

Remark:

5. $\text{Margin} = \text{Result} (\text{Result} = \text{Reading} + \text{Factor}) - \text{Limit}$

6. $\text{Factor} = \text{Antenna factor} + \text{Cable attenuation factor}(\text{cable loss}) - \text{Amplifier gain}$

100.0 dBuV/m





Temperature:	23.5(C)	Relative Humidity:	62%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	CH 3		

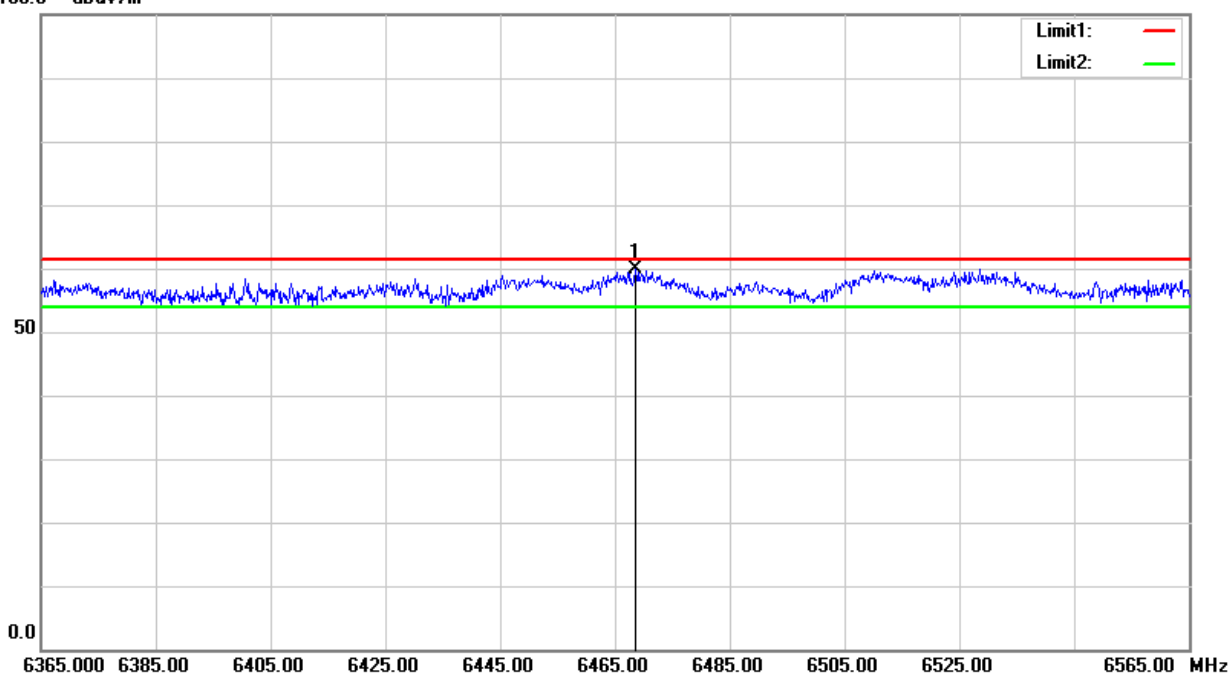
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	6468.600	61.82	-2.03	59.79	61.20	-1.41	peak

Remark:

5. Margin = Result (Result =Reading + Factor)-Limit

6. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m





6. ANTENNA REQUIREMENT

6.1 STANDARD REQUIREMENT

According to the FCC Part 15 Paragraph 15.203&RSS-Gen(6.8), an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

6.2 EUT ANTENNA

The EUT antenna is PCB Antenna. It conforms to the standard requirements.



APPENDIX- PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

*****END OF THE REPORT*****