TEST REPORT

Report No.: SHATBL2310006W05

Applicant	:	SUZHOU XI NENG POWER CO. LTD.
Product Name	:	Xnergy Smart Display Module
Brand Name	:	N/A
Model Name	:	XG-HMI7
FCC ID	:	2BDDT- XG-HMI7
Test Standard	:	FCC Part15.247
Date of Test	:	2023.10.20-2023.11.10

Report Prepared by : Jack Suo

(Jack Suo)

Report Approved by : Ghost Li.

(Ghost Li)

Authorized Signatory : Terry Yang

(Terry Yang)

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REVISION HISTORY

Rev.	Issue Date	Revisions	Revised by
00	2023.11.13	Initial Release	Ghost Li

DECLARATION OF REPORT

The device has been tested by ATBL, and the test results show that the equipment under test (EUT) is in compliance with the FCC Part15.247 requirements. And it is applicable only to the tested sample identified in the report.

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SUMMARY OF TEST RESULT

Report Section	Standard Section	Test Item	Judgment	Remark
3.1	15.247 (b)(3)	Maximum Conducted Output Power	PASS	--
3.2	15.247 (a)(2)	6dB&99% Bandwidth	PASS	--
3.3	15.247 (e)	Power Spectral Density	PASS	--
3.4	15.247(d) & 15.205	Conducted Spurious & Band Edge Emission	PASS	--
3.5	15.247(d) & 15.209 & 15.205	Radiated Spurious Emission and Restricted Band	PASS	--
3.6	15.207(a)	AC Power-Line Conducted Emission	PASS	--
3.7	15.203	Antenna Requirement	PASS	--

1. GENERAL DESCRIPTION

1.1. Applicant

Name : SUZHOU XI NENG POWER CO. LTD.

Address : Room 212, Block 1, 1st Suhong West Road, Suzhou Industrial Park ,Jiangsu , China

1.2. Manufacturer

Name : SUZHOU XI NENG POWER CO. LTD.

Address : Room 212, Block 1, 1st Suhong West Road, Suzhou Industrial Park ,Jiangsu , China

1.3. Factory

Name : SUZHOU XI NENG POWER CO. LTD.

Address : Room 212, Block 1, 1st Suhong West Road, Suzhou Industrial Park ,Jiangsu , China

1.4. General Information of EUT

General Information	
Equipment Name	Xnergy Smart Display Module
Brand Name	N/A
Model Name	XG-HMI7
Series Model	N/A
Model Difference	N/A
SN or IMEI Code	202310010003001
Adapter	Model:TEKA-TC120150XX Brand:TEKA Input: AC:100~240V 50/60Hz 0.5A MAX Output: DC12V 1.5A 18W
Battery	N/A
Hardware version	R1.01
Software version	V1.0.3
Connecting I/O Port(s)	Refer to the remark below.

Remark:

The above information of EUT was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.5. Equipment Specification

Equipment Specification	
Frequency Range	2400~2483.5 MHz
Supported Modes	802.11b/g/n
Supported Bandwidth	20/40 MHz
Maximum Output Power To Antenna	25.17dBm (0.329W)
Type of Modulation	802.11b/g/n20/n40(OFDM): BPSK,QPSK,16QAM,64QAM
Antenna Type	External Antenna
Antenna Gain	3dBi

1.6. Modification of EUT

No modifications are made to the EUT during all test items.

1.7. Laboratory Information

Company Name	:	Shanghai ATBL Technology Co., Ltd.
Address	:	Building 8,No.160 Basheng Road, Waigaoqiao Free Trade Zone, Pudong New Area, Shanghai
Telephone	:	+86(0)21-51298625
A2LA Number	:	6184.01
CNAS Number	:	CNAS L14531

1.8. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

47 CFR Part 15 Subpart C §15.247

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

ANSI C63.10-2013

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.

2. TEST CONFIGURATION OF EUT

2.1. Carrier Frequency Channel

Frequency Band	Channel	Frequency MHz	Channel	Frequency MHz	Channel	Frequency MHz
Channel List for 802.11b/g/n(20/40MHz)	01	2412	05	2432	09	2452
	02	2417	06	2437	10	2457
	03	2422	07	2442	11	2462
	04	2427	08	2447	--	--

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Carrier Frequency Channel

2.4GHz Test Frequency:

For 802.11b/g/n (HT20)	
Channel	Freq.(MHz)
01	2412
06	2437
11	2462

For 802.11n (HT40)	
Channel	Freq.(MHz)
03	2422
06	2437
09	2452

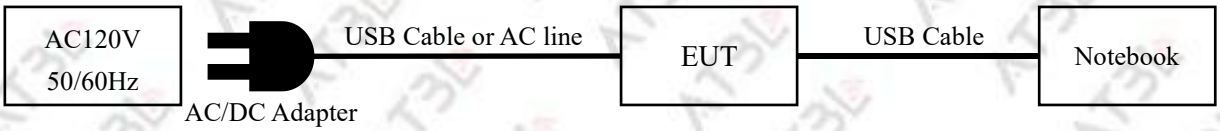
2.2. Test Modes

The table below is showing all test modes to demonstrate in compliance with the standard.

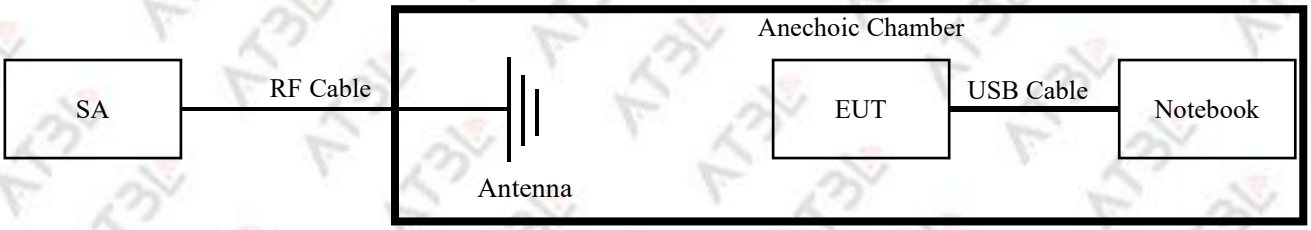
	Test Mode	Description	Data Rate
For Conducted and Radiated Test	Mode 1	TX IEEE 802.11b CH1	1Mbps
	Mode 2	TX IEEE 802.11b CH6	1Mbps
	Mode 3	TX IEEE 802.11 b CH11	1Mbps
	Mode 4	TX IEEE 802.11g CH1	6Mbps
	Mode 5	TX IEEE 802.11g CH6	6Mbps
	Mode 6	TX IEEE 802.11g CH11	6Mbps
	Mode 7	TX IEEE 802.11n HT20 CH1	MCS0
	Mode 8	TX IEEE 802.11n HT20 CH6	MCS0
	Mode 9	TX IEEE 802.11n HT20 CH11	MCS0
	Mode 10	TX IEEE 802.11n HT40 CH3	MCS0
	Mode 11	TX IEEE 802.11n HT40 CH6	MCS0
	Mode 12	TX IEEE 802.11n HT40 CH9	MCS0
For AC Power-line Conducted Emission	Mode 13	Keep WIFI link under the maximum output power	

2.3. Block Diagram of Test System

2.3.1. For AC Power-Line Conducted Emission



2.3.2. For Radiated Spurious Emission



2.3.3. For Conducted Test

2.4. Description of Support Units

NO.	Unit	Brand	Model	Description
1	Notebook	Lenovo	DESKTOP-USDEO09	N/A
2	USB Cable	N/A	100cm	N/A

2.5. Test Software and Power Level

During the test, the channel and power control software provided by the customer is used to control the operation channel and output power level.

2.6. EUT Operating Conditions

For AC power-line conducted emission, the EUT was connected under the large package sizes transmission.

For radiated spurious emission and conducted test, the engineering test program was provided and make the EUT to continuous transmit/receive.

2.7. Equipment List

2.7.1. For AC Power-Line Conducted Emission

Equipment Name	Manufacturer	Model	Serial No.	Equipment No.	Calibration Until
Test Receiver	R&S	ESPI	101679	SHATBL-E012	2024.05.09
LISN	R&S	ENV216	100300	SHATBL-E013	2024.05.30
LISN	R&S	ENV216	100333	SHATBL-E041	2024.05.09
Thermometer	DeLi	N/A	N/A	SHATBL-E016	2024.09.19
Test Software	FALA	EZ-EMC	N/A	SHATBL-E046	N/A

2.7.2. For Radiated Spurious Emission

Equipment Name	Manufacturer	Model	Serial No.	Equipment No.	Calibration Until
Signal analyzer	Agilent	N9020A	MY50200811	SHATBL-E017	2024.07.09
Amplifier	JPT	JPA0118-55-303A	1910001800055000	SHATBL-E006	2024.07.09
Amplifier	JPT	JPA-10M1G32	21010100035001	SHATBL-E005	2024.07.09
Antenna/Turn table Controller	Brilliant	N/A	N/A	SHATBL-E007	N/A
Loop Antenna	Daze	ZN30900C	20077	SHATBL-E042	2024.07.09
Bilog Antenna	SCHWARZBECK	VULB 9168	01174	SHATBL-E008	2024.07.09
Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120D	02334	SHATBL-E009	2024.07.09
Horn Antenna	COM-POWER	AH-1840	10100008	SHATBL-E043	2024.07.09
Thermometer	DeLi	N/A	N/A	SHATBL-E015	2024.07.09
Test Software	FALA	EMC-RI	N/A	SHATBL-E046	N/A

2.7.3. For Conducted Test

Equipment Name	Manufacturer	Model	Serial No.	Equipment No.	Calibration Until
Power meter	Anritsu	ML2496A	1935001	SHATBL-W030	2024.07.09
Power sensor	Anritsu	MA2411B	1911006	SHATBL-W031	2024.07.09
Power sensor	DARE	RPR3006W	16I00054SN016	SHATBL-W008	2024.07.09
Power sensor	DARE	RPR3006W	RPR6W-2001005	SHATBL-W032	2024.07.09
Power sensor	Rediteq	RPR3006W	RPR6W-2201002	SHATBL-W033	2024.07.09
Power sensor	Rediteq	RPR3006W	RPR6W-2201003	SHATBL-W034	2024.07.09
Power sensor	Keysight	U2021XA	MY59120004	SHATBL-W035	2024.07.09
Adjustable Attenuator	Agilent	8494B	MY42144015	SHATBL-W009	2024.07.09
Adjustable Attenuator	Agilent	8496B	MY42143776	SHATBL-W010	2024.07.09
Environmental Test Chamber	KSON	THS-B6C-150	9159K	SHATBL-W019	2024.07.09
Signal analyzer	Keysight	N9020A	MY50510136	SHATBL-W003	2024.07.09
Vector signal generator	Keysight	N5182B	MY57300196	SHATBL-W005	2024.07.09
Vector signal generator	Agilent	N5182A	MY50143555	SHATBL-W037	2024.07.09
Analog signal generator	Keysight	N5173B	MY60403026	SHATBL-W038	2024.07.09
Wideband radio communication tester	R&S	CMW500	101331	SHATBL-W007	2024.07.09
Spectrum analyzer	R&S	FSV40-N	101761	SHATBL-W036	2024.07.09
Switch Box	N/A	RFSW3003328	RFSW201019	SHATBL-W029	N/A
Thermometer	DeLi	N/A	N/A	SHATBL-W012	2024.01.16
Test Software	FALA	LZ-RF	N/A	SHATBL-W020	N/A

2.8. Measurement Uncertainty

The reported uncertainty of measurement y±U, where expended 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	±0.958dB
2	Conducted spurious emissions	±2.988dB
3	All emissions, radiated 30MHz-1GHz	±2.50dB
4	All emissions, radiated 1GHz-18GHz	±3.51dB
5	Occupied bandwidth	±23.20Hz
6	Power spectral density	±0.886dB

3. TEST RESULT

3.1. Maximum Peak Conducted Output Power

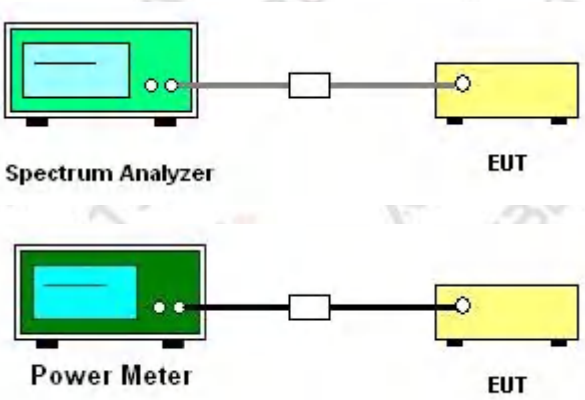
3.1.1. Limit

FCC Part15.247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Output Power	1 watt or 30dBm	2400-2483.5	PASS

3.1.2. Test Procedure

PKPM1 Peak power meter method:
The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

3.1.3. Test Setup



3.1.4. Test Result of

Please refer to Appendix A for the test data.

3.2. 6dB Bandwidth and 99% Bandwidth

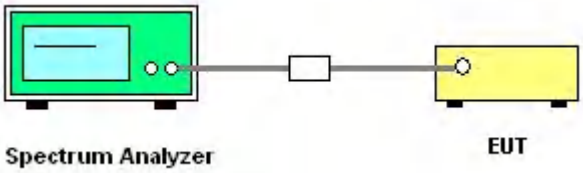
3.2.1. Limit

FCC Part15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	≥500kHz (6dB bandwidth)	2400-2483.5	PASS
15.247	99% Bandwidth	For reporting purposes only.	2400-2483.5	PASS

3.2.2. Test Procedure

The automatic bandwidth measurement capability of an instrument may be employed using the X dB bandwidth mode with X set to 6 dB, if the functionality described above (i.e., RBW = 100 kHz, VBW≥3RBW, peak detector with maximum hold) is implemented by the instrumentation function. When using this capability, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be≥6 dB.

3.2.3. Test Setup



3.2.4. Test Result of Number of

Please refer to Appendix A for the test data.

3.3. Power Spectral Density

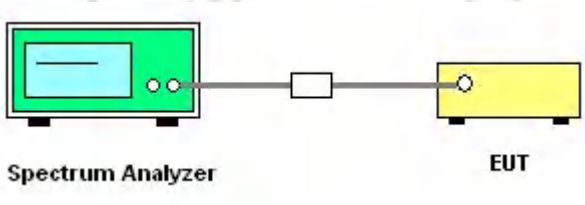
3.3.1. Limit

FCC Part15.247,Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	≤8 dBm (RBW ≥3kHz)	2400-2483.5	PASS

3.3.2. Test Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the DTS channel bandwidth.
3. Set the 100 kHz ≥ RBW ≥3 kHz.
4. Set the VBW ≥ 3 x RBW.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

3.3.3. Test Setup



3.3.4. Test Result of

Please refer to Appendix A for the test data.

3.4. Conducted Spurious & Band Edge Emission

3.4.1. Limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

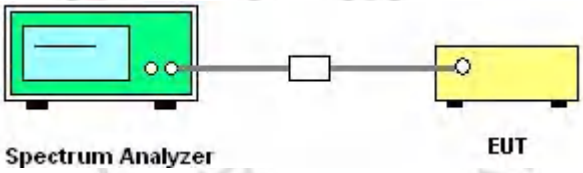
3.4.2. Test Procedure

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	30 MHz to 10th carrier harmonic
RB / VB (emission in restricted band)	100 kHz/300 kHz
Trace-Mode:	Max hold

For Band edge

Spectrum Parameter	Setting
Detector	Peak
Start/Stop Frequency	Lower Band Edge: 2300 to 2450 MHz Upper Band Edge: 2430 to 2580 MHz
RB / VB (emission in restricted band)	100 kHz/300 kHz
Trace-Mode:	Max hold

3.4.3. Test Setup



The EUT which is powered by the Battery, is connected to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. In order to make an accurate measurement, set the span greater than RBW.

3.4.4. Test Result of

Please refer to Appendix A for the test data.

3.5. Radiated Spurious Emission and Restricted Band

3.5.1. Limit

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (Frequency Range 9kHz-1000MHz)

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
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Note:

1. The limit for radiated test was performed according to FCC PART 15C.
2. The tighter limit applies at the band edges.
3. Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

IC:

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

For Radiated Emission

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP/AV
Start Frequency	9 kHz/150kHz(Peak/QP/AV)
Stop Frequency	150kHz/30MHz(Peak/QP/AV)
RB / VB (emission in restricted band)	200Hz (From 9kHz to 0.15MHz)/ 9kHz (From 0.15MHz to 30MHz); 200Hz (From 9kHz to 0.15MHz)/ 9kHz (From 0.15MHz to 30MHz)

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/QP
Start Frequency	30 MHz(Peak/QP)
Stop Frequency	1000 MHz (Peak/QP)
RB / VB (emission in restricted band)	120 kHz / 300 kHz

Spectrum Parameter	Setting
Attenuation	Auto
Detector	Peak/AV
Start Frequency	1000 MHz(Peak/AV)
Stop Frequency	10th carrier hamonic(Peak/AV)
RB / VB (emission in restricted band)	1MHz / 3MHz(Peak) 1 MHz/1/T MHz(AVG)

For Restricted band

Spectrum Parameter	Setting
Detector	Peak/AV
Start/Stop Frequency	2310MHz to 2500MHz
RB / VB	1 MHz / 3 MHz(Peak) 1 MHz/1/T MHz(AVG)

Receiver Parameter	**Setting**
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

3.5.2. Test Procedure

1. The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz,and above 1GHz.

2. The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m an echoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.

3. The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.

4. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and Quasi Peak detector mode will be re-measured.

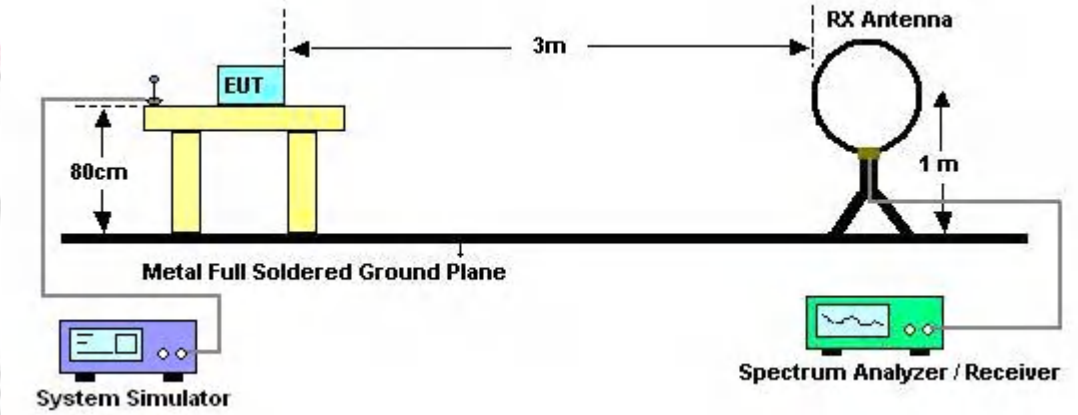
5. If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.

6. For the actual test configuration, please refer to the related Item –EUT Test Photos.

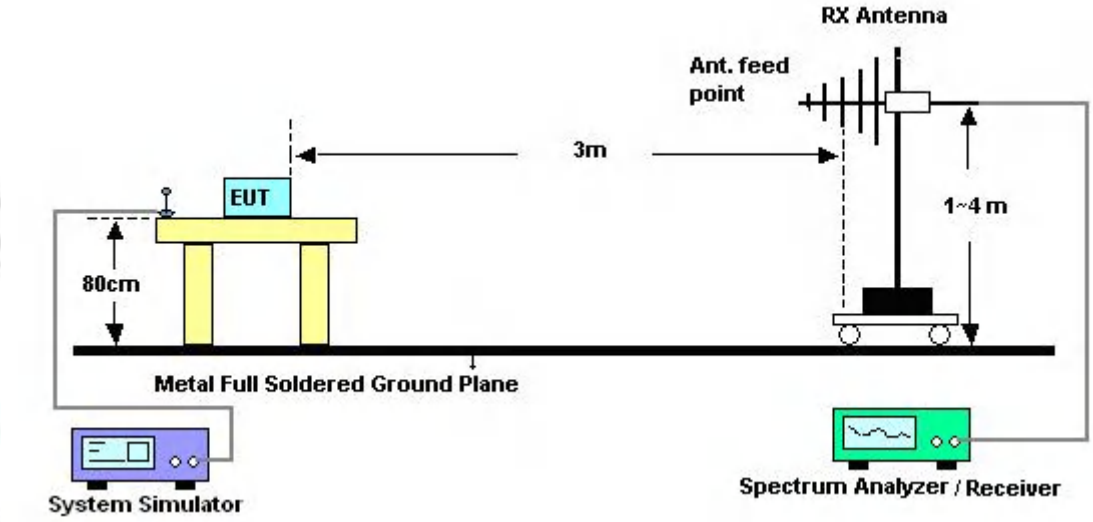
Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.5.3. Test Setup

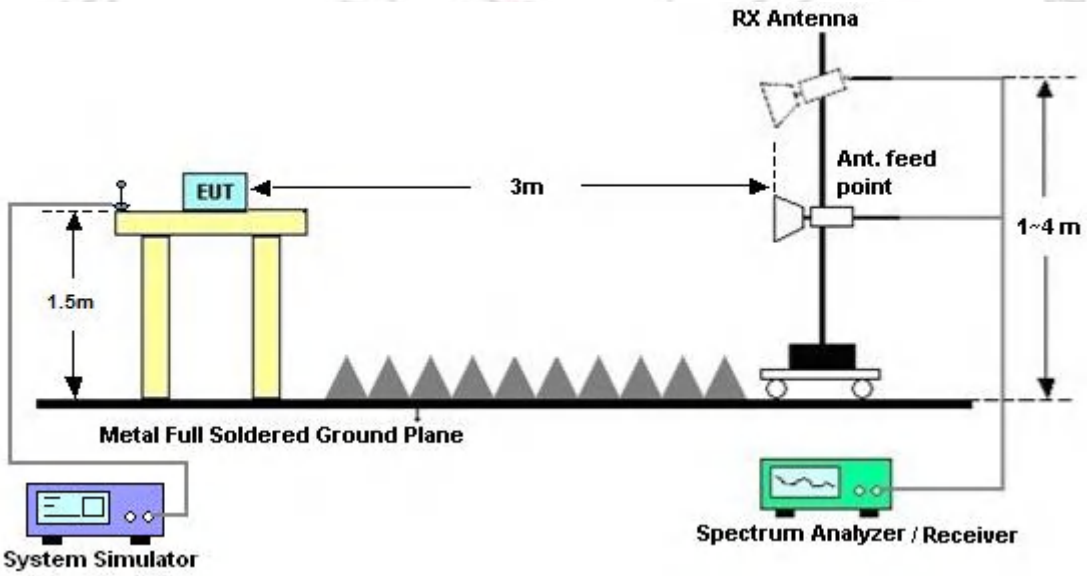
3.5.3.1. For radiated emissions below 30MHz



3.5.3.2. For radiated emissions from 30MHz to 1GHz



3.5.3.3. For radiated emissions above 1GHz



3.5.4. Test Result of

3.5.4.1. For 9 kHz ~ 30 MHz

Please refer to the Appendix B.

3.5.4.2. For 30 MHz ~ 1 GHz

Please refer to the Appendix B.

3.5.4.3. For 1 GHz ~ 18GHz

Please refer to the Appendix B.

3.5.4.4. For above 18GHz

Please refer to the Appendix B.

3.5.4.5. For above Restricted Band

Please refer to Appendix B for the test data.

3.6. AC Power-Line Conducted Emission

3.6.1. Limit

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Conducted Emission limit (dBuV)	
	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

3.6.2. Test Procedure

The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

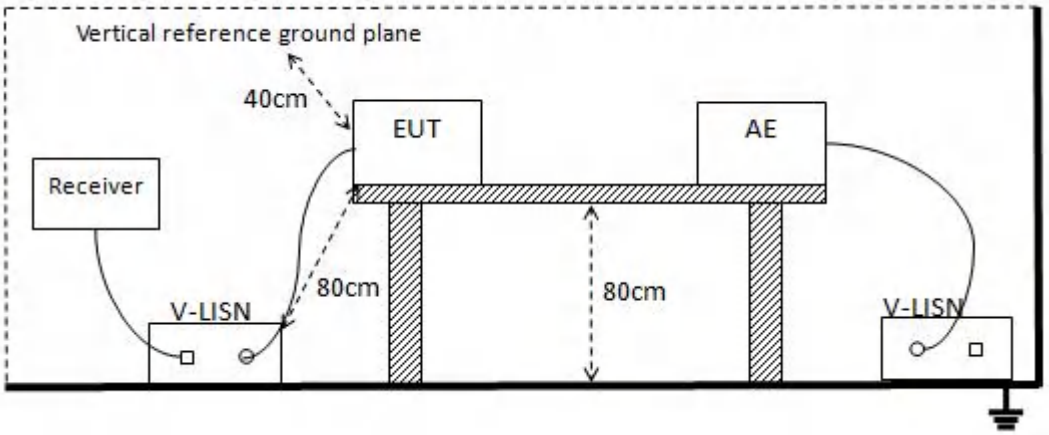
Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

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 is at least 80 cm from the nearest part of EUT chassis.

For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.6.3. Test Setup



3.6.4. Test Result of

Please refer to Appendix C for the test data.

3.7. Antenna Requirement

3.7.1. Standard Requirement

According to 47 CFR 15.203, 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.

3.7.2. EUT Antenna

The antenna used for the EUT is External antenna, which meets the antenna requirements.

4. Test Setup Photographs

Please refer to Appendix E.

※※※※※END OF THE REPORT※※※※※

Appendix A _ Conducted Test Data

3.1.4. Test Result of Maximum Peak Conducted Output Power

Temperature:	23.4 ℃	Relative Humidity:	55%RH
Test Voltage:	DC 12V	Test Mode:	TX Mode1/2/3/4/5/6/7/8/9/10/11/12

Test mode	Test Channel	Frequency	Average Conducted Output Power	Peak Conducted Output Power	LIMIT
		(MHz)	(dBm)	(dBm)	dBm
Mode1	CH01	2412	17.51	19.08	30
Mode2	CH06	2437	17.57	19.18	30
Mode3	CH11	2462	17.37	19.10	30
Mode4	CH01	2412	15.94	21.76	30
Mode5	CH06	2437	16.00	21.98	30
Mode6	CH11	2462	15.89	22.03	30
Mode7	CH01	2412	16.08	21.88	30
Mode8	CH06	2437	16.12	22.07	30
Mode9	CH11	2462	15.98	22.17	30
Mode10	CH 03	2422	16.44	21.79	30
Mode11	CH 06	2437	16.53	21.92	30
Mode12	CH 09	2452	16.47	21.90	30

EIRP Power

Test Mode	Frequency	Peak Conducted Output Power	Antenna Gain	EIRP Power	LIMIT
	(MHz)	(dBm)	(dBi)	(dBm)	dBm
Mode1	2412	19.08	3.00	22.08	36
Mode2	2437	19.18	3.00	22.18	36
Mode3	2462	19.10	3.00	22.10	36
Mode4	2412	21.76	3.00	24.76	36
Mode5	2437	21.98	3.00	24.98	36
Mode6	2462	22.03	3.00	25.03	36
Mode7	2412	21.88	3.00	24.88	36
Mode8	2437	22.07	3.00	25.07	36
Mode9	2462	22.17	3.00	25.17	36
Mode10	2422	21.79	3.00	24.79	36
Mode11	2437	21.92	3.00	24.92	36
Mode12	2452	21.90	3.00	24.90	36

Note: Our power sensor test AVG power has no duty cycle display. The power sensor measures AVG power is Burst power. The software has considered the factor of the duty cycle factor, so it is unnecessary to add it again.

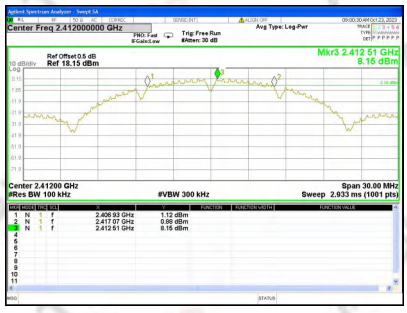
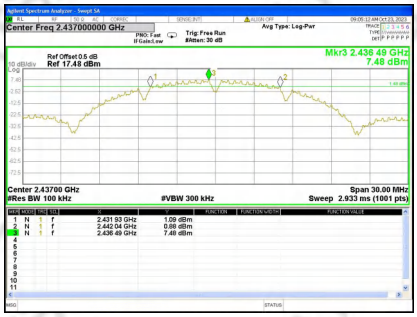
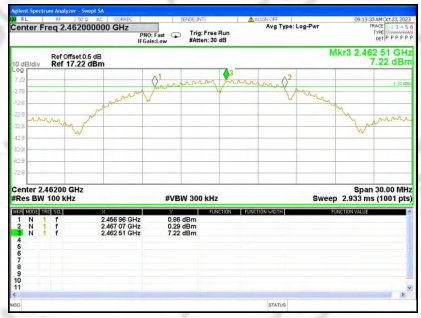
3.2.4. Test Result of Number of 6dB Bandwidth and 99% Bandwidth

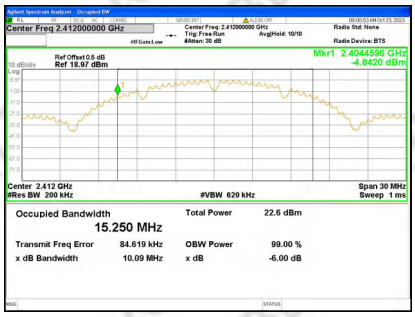
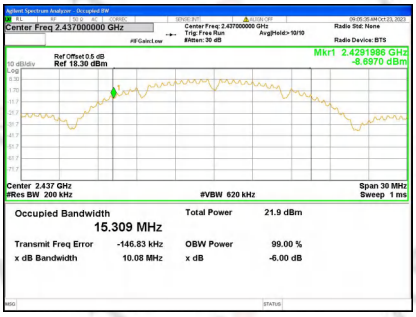
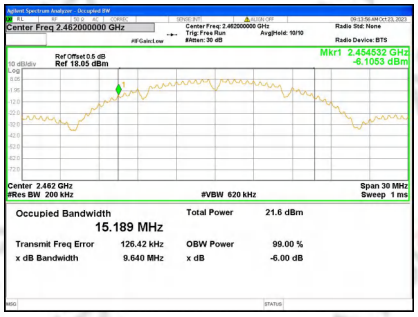
Temperature:	23.4 ℃	Relative Humidity:	55%RH
Test Voltage:	DC 12V	Test Mode:	TX Mode1/2/3/4/5/6/7/8/9/10/11/12

Test mode	Frequency	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth Limit(kHz)	Result
Mode1	2412 MHz	10.14	15.250	≥500kHz	PASS
Mode2	2437 MHz	10.11	15.309	≥500kHz	PASS
Mode3	2462 MHz	10.11	15.189	≥500kHz	PASS
Mode4	2412 MHz	16.38	17.358	≥500kHz	PASS
Mode5	2437 MHz	16.41	17.405	≥500kHz	PASS
Mode6	2462 MHz	16.41	17.346	≥500kHz	PASS
Mode7	2412 MHz	17.67	18.130	≥500kHz	PASS
Mode8	2437 MHz	17.67	18.108	≥500kHz	PASS
Mode9	2462 MHz	17.67	18.080	≥500kHz	PASS
Mode10	2422 MHz	35.76	36.817	≥500kHz	PASS
Mode11	2437 MHz	35.82	37.103	≥500kHz	PASS
Mode12	2452 MHz	36.48	37.395	≥500kHz	PASS

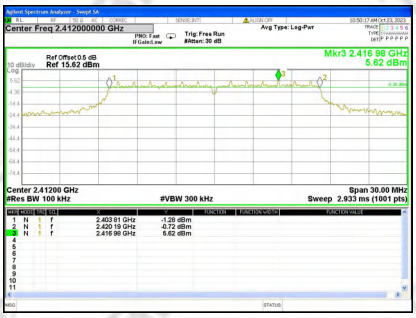
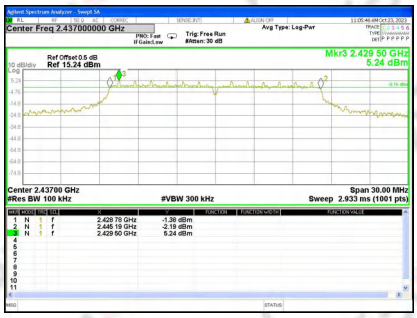
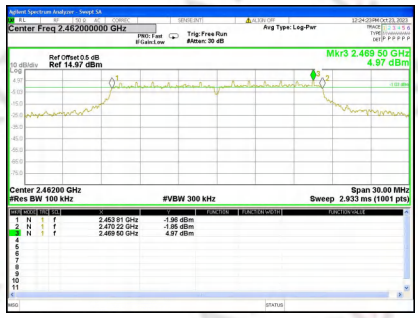
6dB Bandwidth &99% Bandwidth

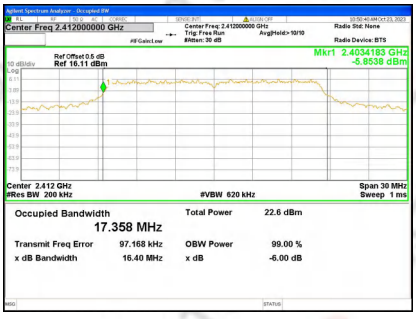
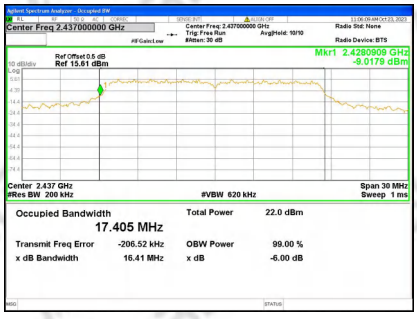
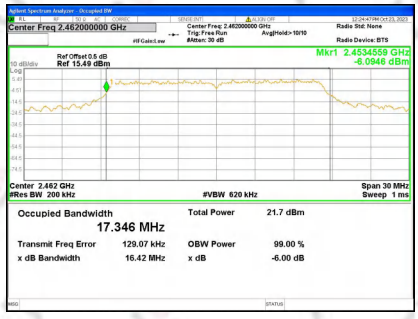
802.11b

6dB Bandwidth Mode1 CH 01	6dB Bandwidth Mode2 CH 06	6dB Bandwidth Mode3 CH 11
		

99% Bandwidth Mode1 CH 01	99% Bandwidth Mode2 CH 06	99% Bandwidth Mode3 CH 11
		

802.11g

6dB Bandwidth Mode4 CH 01	6dB Bandwidth Mode5 CH 06	6dB Bandwidth Mode6CH 11
		

99% Bandwidth Mode4 CH 01	99% Bandwidth Mode5 CH 06	99% Bandwidth Mode6 CH 11
		

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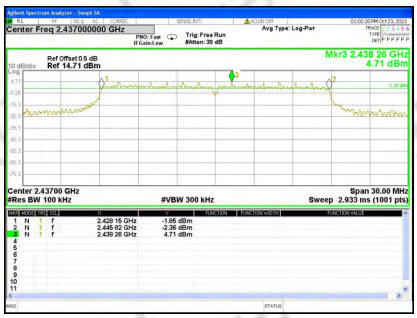
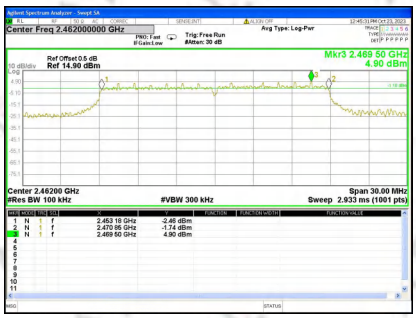
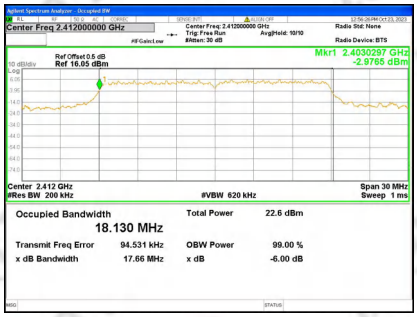
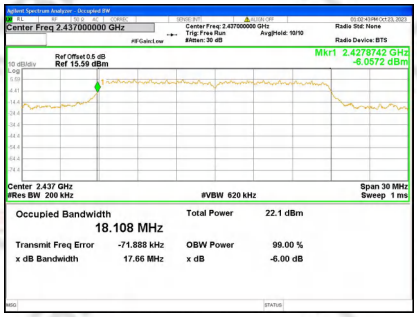
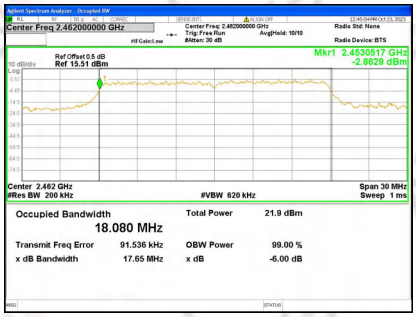
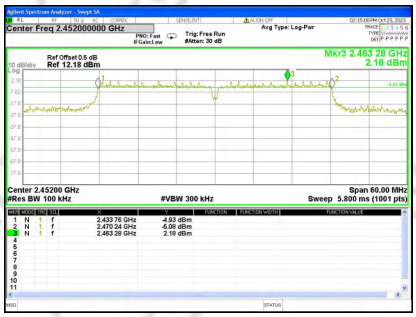
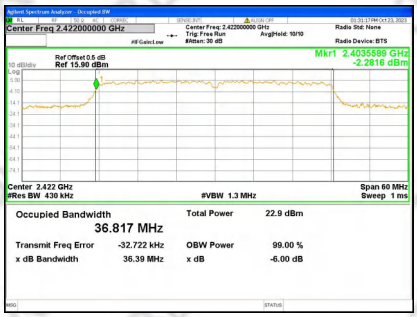
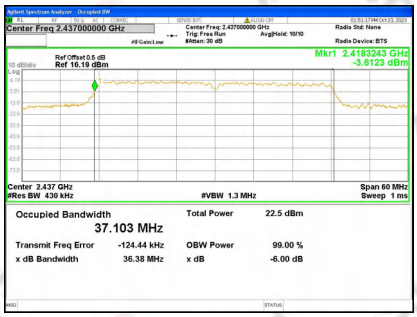
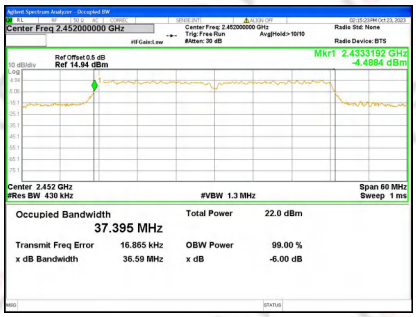
6dB Bandwidth Mode7 CH 01	6dB Bandwidth Mode8 CH 06	6dB Bandwidth Mode9 CH 11
		

99% Bandwidth Mode7 CH 01	99% Bandwidth Mode8CH 06	99% Bandwidth Mode9 CH 11
		

802.11n40

6dB Bandwidth Mode10 CH 03	6dB Bandwidth Mode11 CH 06	6dB Bandwidth Mode12 CH 09
		

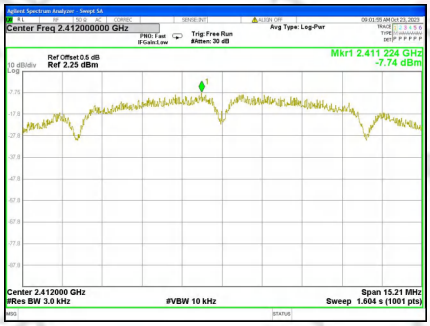
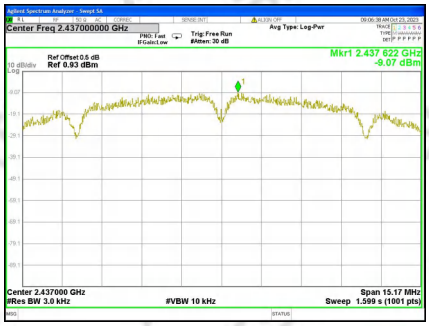
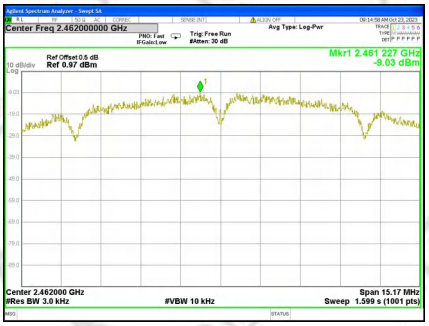
99% Bandwidth Mode10 CH 03	99% Bandwidth Mode11 CH 06	99% Bandwidth Mode12 CH 09
		

3.3.4. Test Result of Power Spectral Density

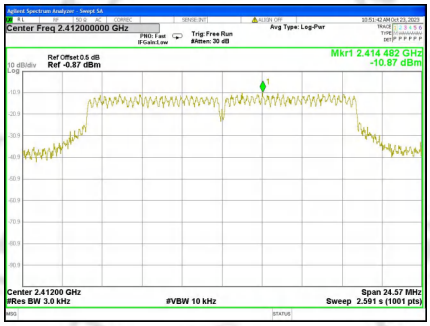
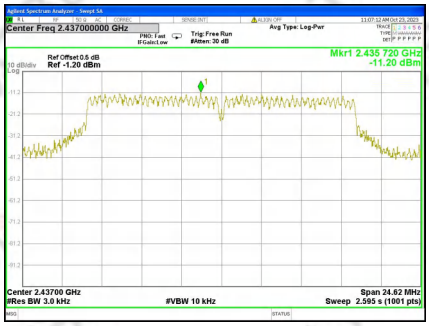
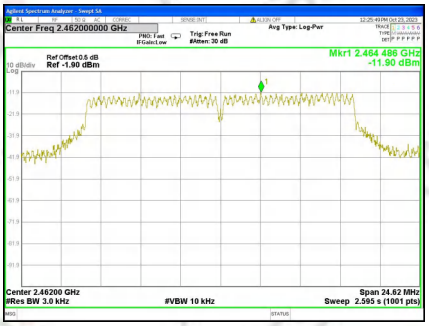
Temperature:	23.4 ℃	Relative Humidity:	55%RH
Test Voltage:	DC 12V	Test Mode:	TX Mode1/2/3/4/5/6/7/8/9/10/11/12

Test mode	Frequency	Power Density (dBm/3kHz)	Limit (3kHz/dBm)	Result
Mode1	2412 MHz	-7.74	≤8	PASS
Mode2	2437 MHz	-9.07	≤8	PASS
Mode3	2462 MHz	-9.03	≤8	PASS
Mode4	2412 MHz	-10.87	≤8	PASS
Mode5	2437 MHz	-11.20	≤8	PASS
Mode6	2462 MHz	-11.90	≤8	PASS
Mode7	2412 MHz	-10.90	≤8	PASS
Mode8	2437 MHz	-11.43	≤8	PASS
Mode9	2462 MHz	-11.38	≤8	PASS
Mode10	2422 MHz	-12.61	≤8	PASS
Mode11	2437 MHz	-13.70	≤8	PASS
Mode12	2452 MHz	-14.17	≤8	PASS

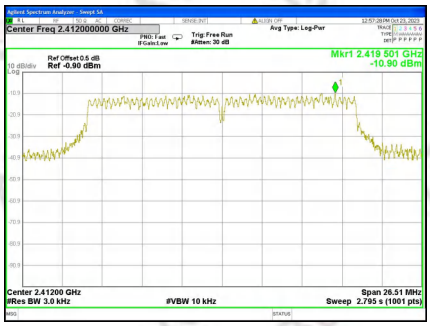
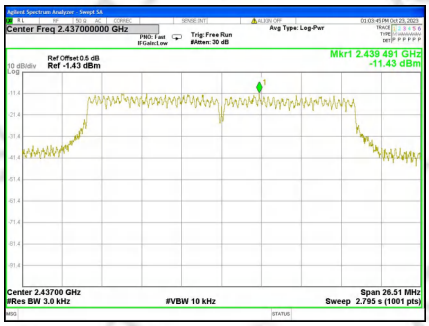
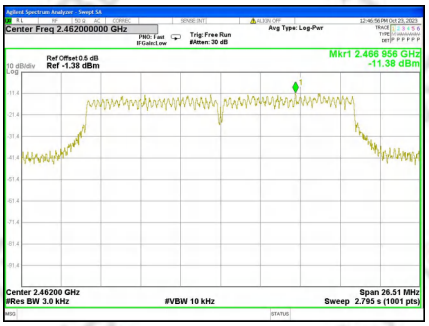
802.11b

TX Mode1 Channel 1	TX Mode2 Channel 6	TX Mode3 Channel 11
		

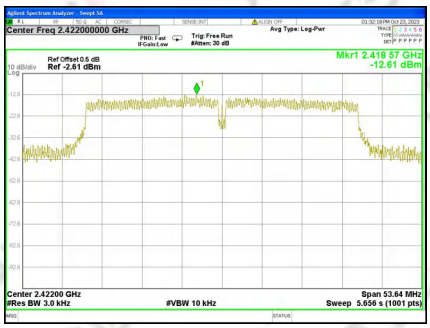
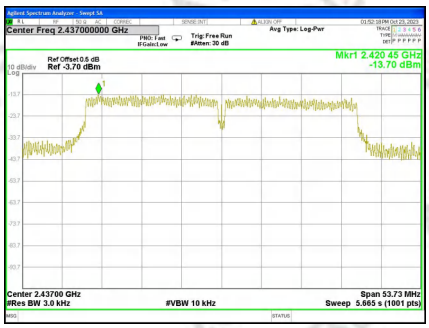
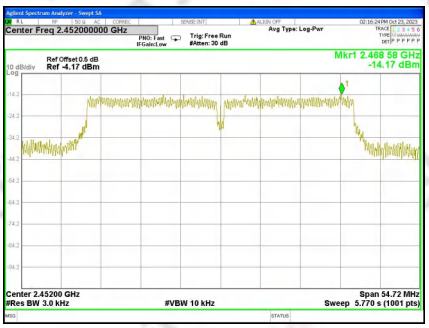
802.11g

TX Mode4 Channel 1	TX Mode5 Channel 6	TX Mode6 Channel 11
		

802.11n20

TX Mode7 Channel 1	TX Mode8 Channel 6	TX Mode9 Channel 11
		

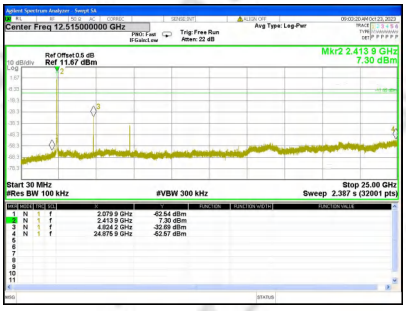
802.11n40

TX Mode10 Channel 3	TX Mode11 Channel 6	TX Mode12 Channel 9
		

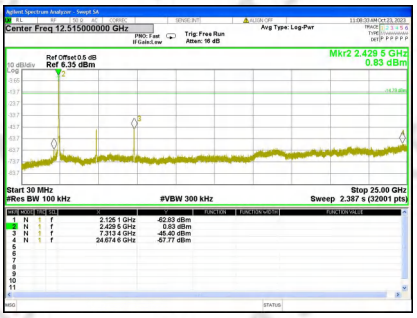
3.4.4. Test Result of Conducted Spurious & Band Edge Emission

Temperature:	23.4 ℃	Relative Humidity:	55%RH
Test Voltage:	DC 12V	Test Mode:	TX Mode1/2/3/4/5/6/7/8/9/10/11/12

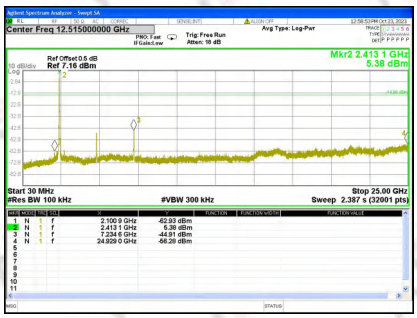
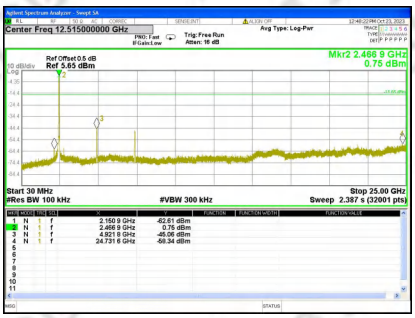
802.11b

TX Mode1 Channel 1	TX Mode2 Channel 6	TX Mode3 Channel 11
		

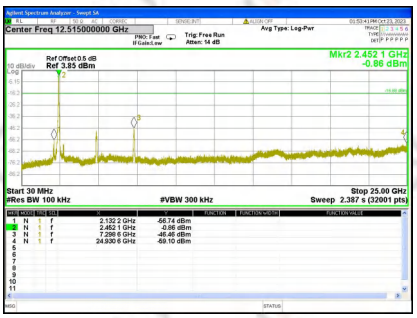
802.11g

TX Mode4 Channel 1	TX Mode5 Channel 6	TX Mode6 Channel 11
		

802.11n20

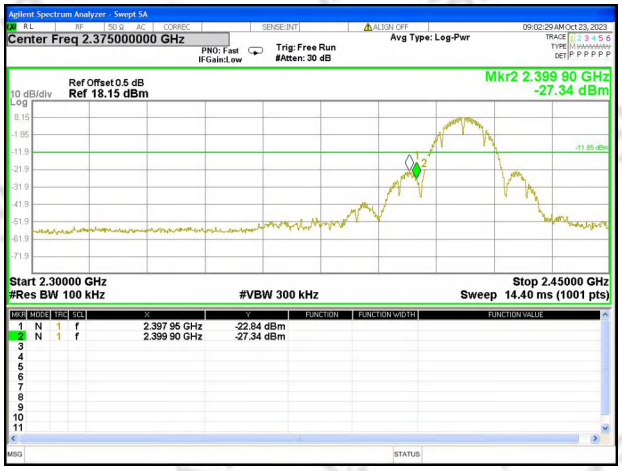
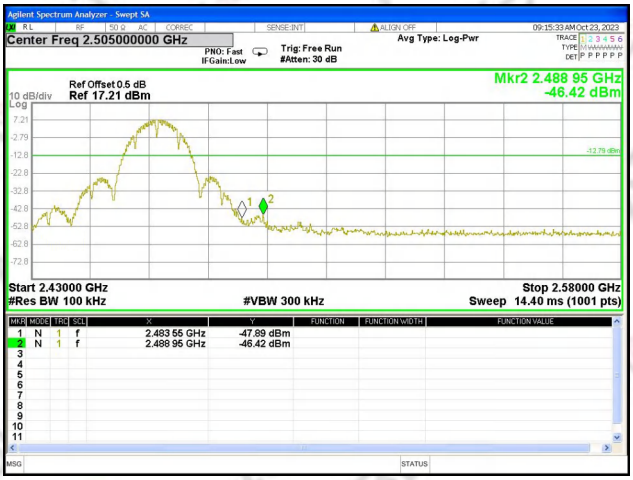
TX Mode7 Channel 1	TX Mode8 Channel 6	TX Mode9 Channel 11
		

802.11n40

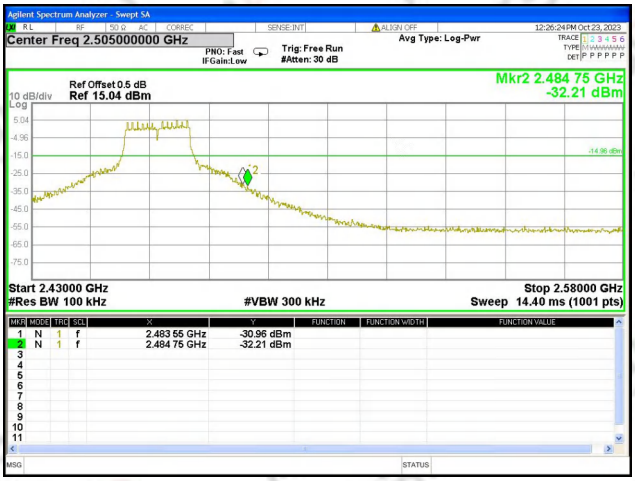
TX Mode10 Channel 3	TX Mode11 Channel 6	TX Mode12 Channel 9
		

For Band edge(it's also the reference level for conducted spurious emission)

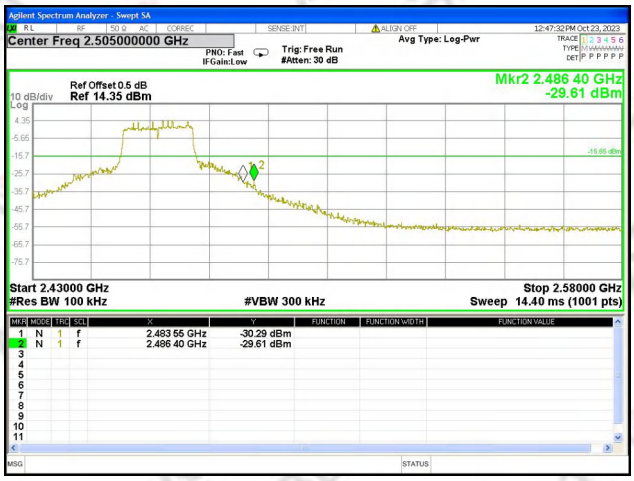
802.11b

TX Mode1 Channel 1	TX Mode3 Channel 11
	

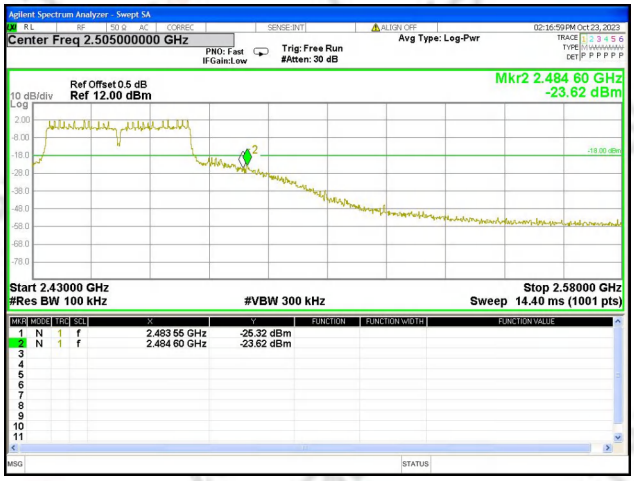
802.11g

TX Mode4 Channel 1	TX Mode6 Channel 11
	

802.11n20

TX Mode7 Channel 1	TX Mode9 Channel 11
	

802.11n40

TX Mode10 Channel 3	TX Mode12 Channel 9
	

※※※※※END OF APPENDIX A※※※※※

Appendix B _ Radiated Test Data

3.5.4.Test Result of Radiated Spurious Emission and Restricted Band

3.5.4.1. For 9 kHz ~ 30 MHz

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	--
Test Mode:	TX Mode		

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.

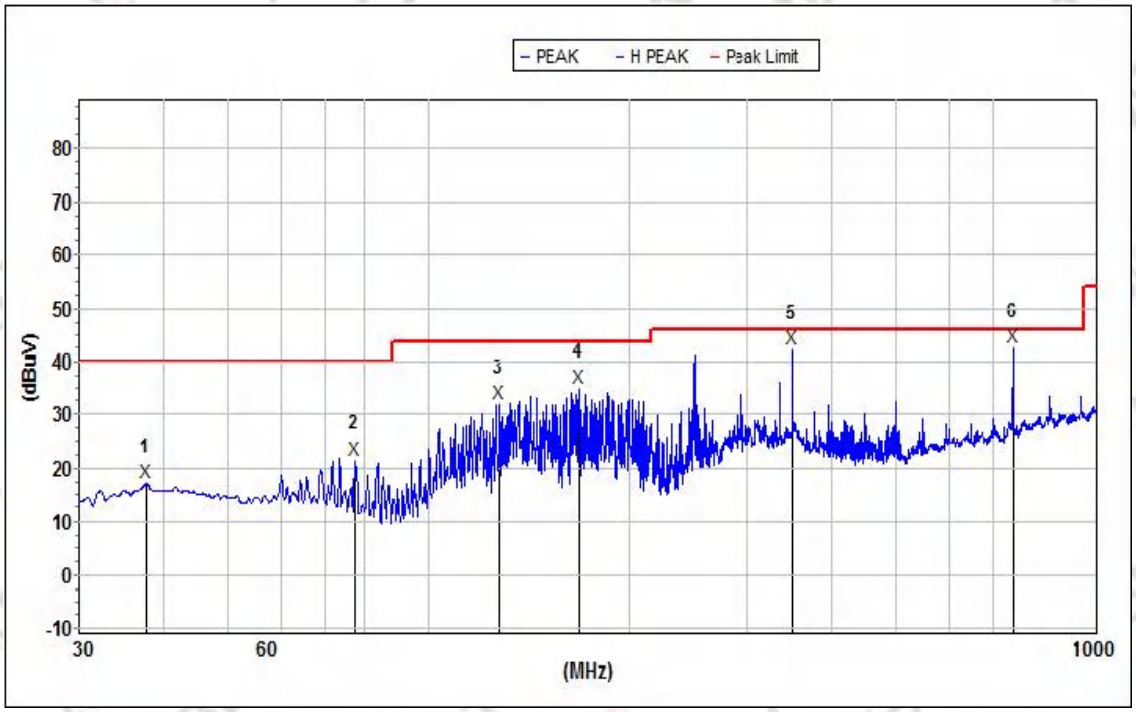
3.5.4.2. For 30 MHz ~ 1 GHz

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 1		

Remark:

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

Mode 1 Horizontal



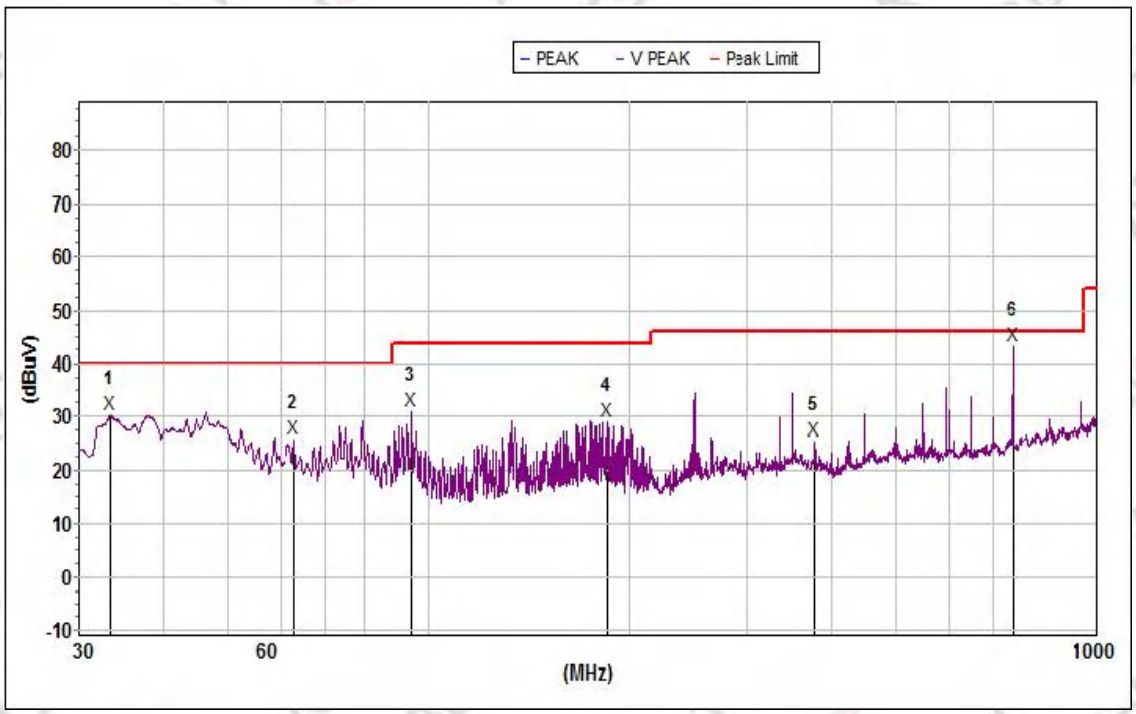
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	37.745902	17.2	40.0	22.8	242	100	19.0	31.6	0.8	H
2	77.456872	21.6	40.0	18.4	24	100	14.2	32.0	1.2	H
3	127.440873	32.0	43.5	11.5	24	100	16.4	32.0	1.6	H
4	168.118752	34.9	43.5	8.6	62	100	16.7	31.9	1.8	H
5	349.862839	42.4	46.0	3.6	242	100	19.8	32.2	2.6	H
6	750.108251	42.5	46.0	3.5	43	100	27.1	31.3	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 1		

Remark:

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

Mode 1 Vertical



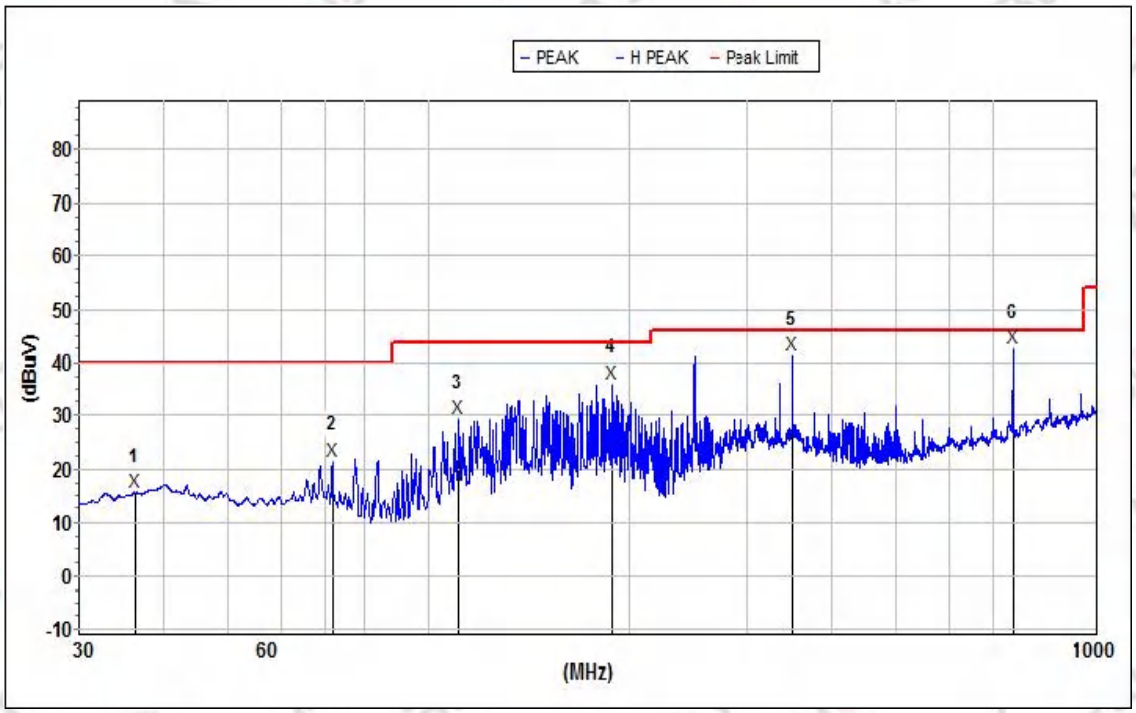
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	30.4	40.0	9.6	240	100	18.3	26.9	0.5	V
2	62.870754	25.8	40.0	14.2	338	100	17.5	26.9	0.8	V
3	94.428394	31.1	43.5	12.4	0	100	13.2	27.0	1.0	V
4	184.489836	29.1	43.5	14.4	350	100	13.3	26.6	1.6	V
5	377.921107	25.4	46.0	20.6	139	100	16.4	27.3	2.4	V
6	750.108251	43.4	46.0	2.6	218	100	20.2	26.3	3.5	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 3		

Remark:

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

Mode 3 Horizontal



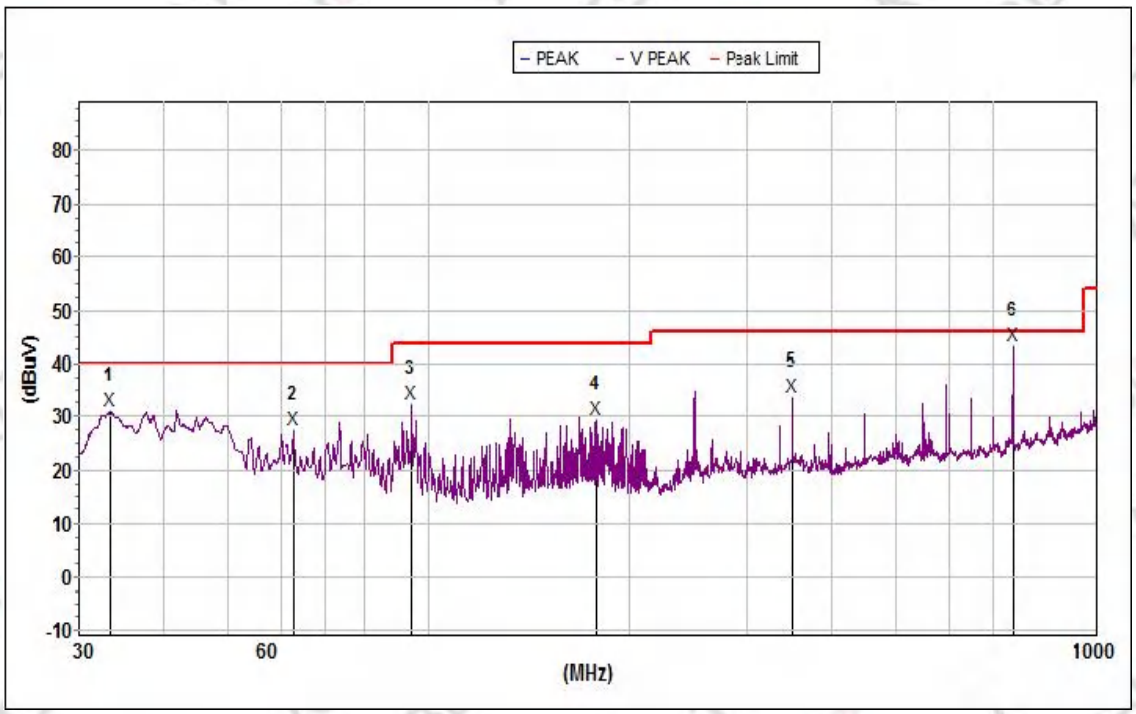
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	36.254065	15.7	40.0	24.3	0	100	18.8	31.7	0.8	H
2	71.706186	21.7	40.0	18.3	61	100	15.8	32.0	1.2	H
3	110.957082	29.4	43.5	14.1	10	100	15.3	32.0	1.4	H
4	187.424085	35.9	43.5	7.6	41	100	15.6	31.9	1.9	H
5	349.862839	41.4	46.0	4.6	222	100	19.8	32.2	2.6	H
6	750.108251	42.6	46.0	3.4	41	100	27.1	31.3	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 3		

Remark:

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

Mode 3 Vertical



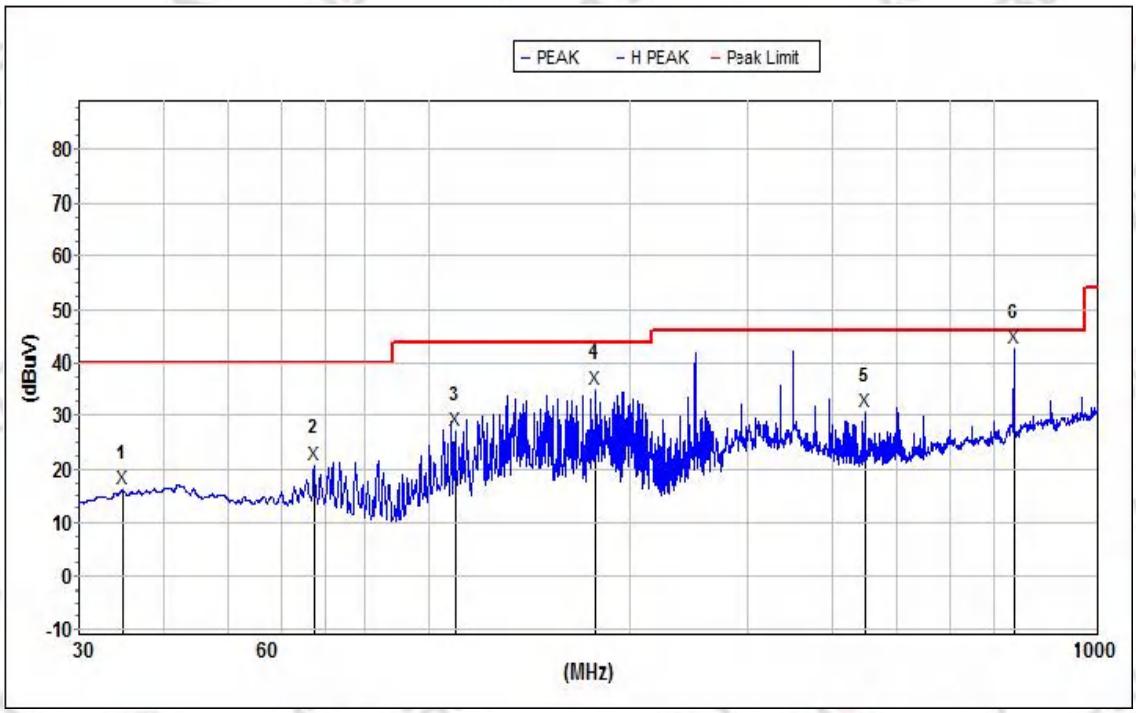
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	31.1	40.0	8.9	358	100	18.3	26.9	0.5	V
2	62.870754	27.5	40.0	12.5	240	100	17.5	26.9	0.8	V
3	94.428394	32.3	43.5	11.2	118	100	13.2	27.0	1.0	V
4	178.132703	29.4	43.5	14.1	350	100	13.5	26.7	1.5	V
5	349.862839	33.7	46.0	12.3	318	100	16.2	27.2	2.3	V
6	750.108251	43.3	46.0	2.7	299	100	20.2	26.3	3.5	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 4		

Remark:

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

Mode 4 Horizontal



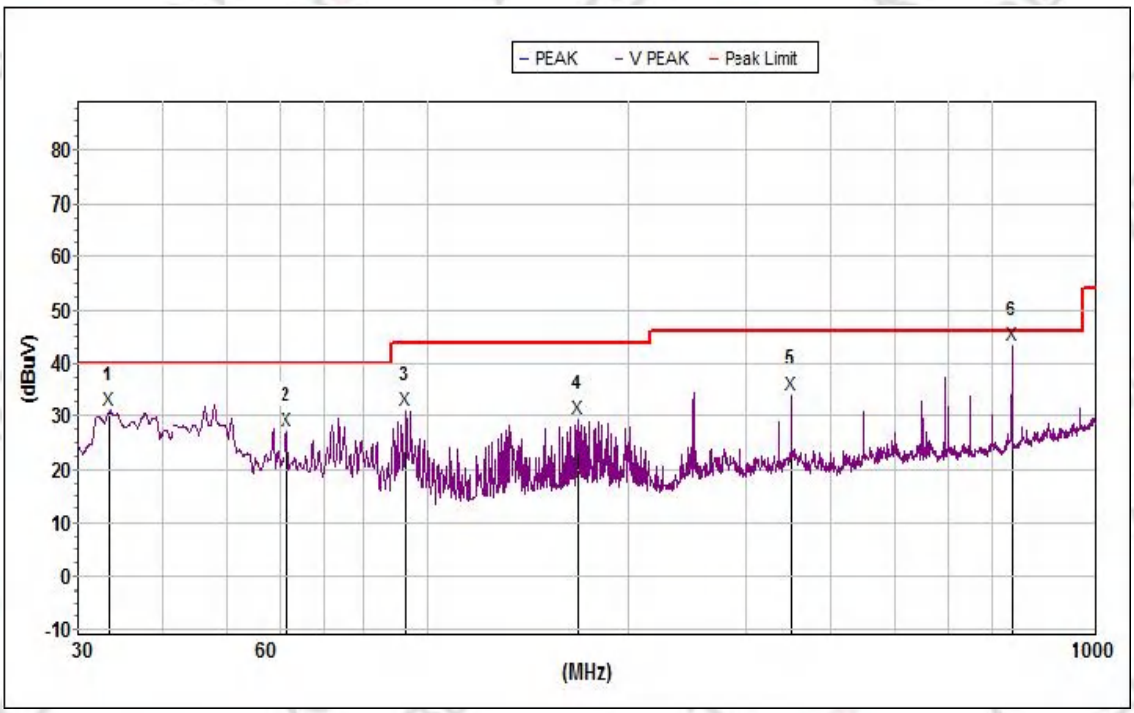
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.821189	16.2	40.0	23.8	115	100	18.5	31.8	0.8	H
2	67.320108	20.9	40.0	19.1	135	100	16.7	32.0	1.1	H
3	109.411636	27.3	43.5	16.2	6	100	15.2	32.0	1.4	H
4	176.887808	34.9	43.5	8.6	37	100	16.2	31.9	1.8	H
5	449.555842	30.8	46.0	15.2	196	100	21.9	31.8	2.9	H
6	750.108251	42.6	46.0	3.4	55	100	27.1	31.3	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 4		

Remark:

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

Mode 4 Vertical



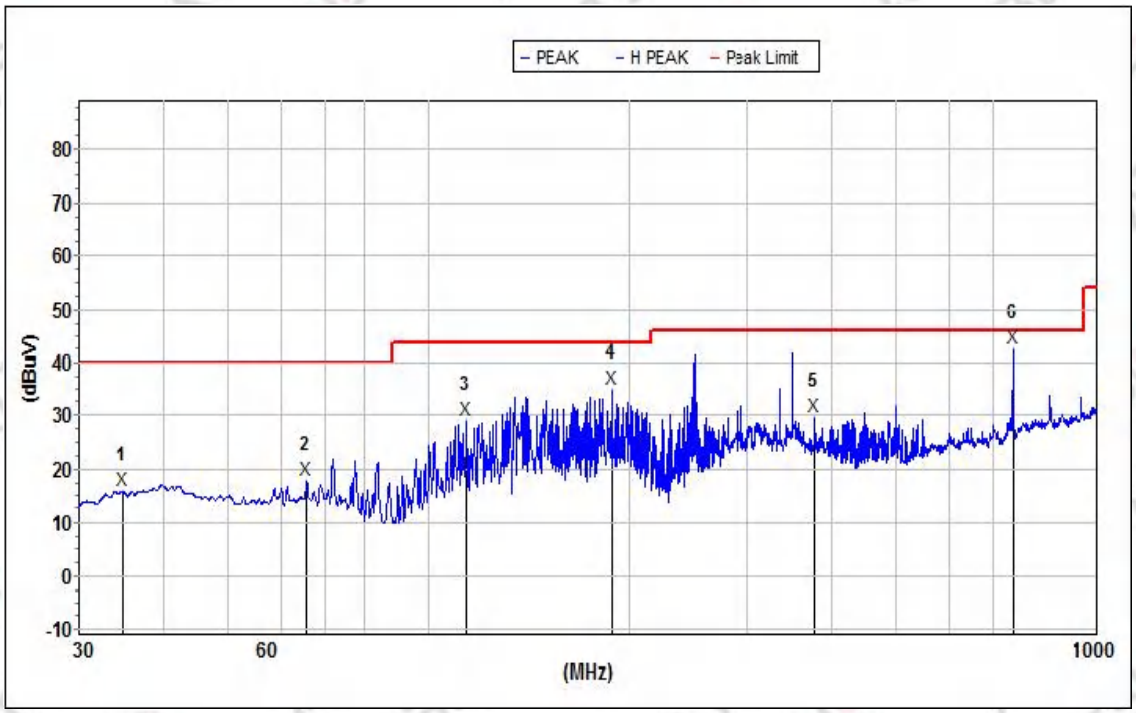
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	31.2	40.0	8.8	339	100	18.3	26.9	0.5	V
2	61.453972	27.1	40.0	12.9	241	100	17.6	26.9	0.8	V
3	92.950055	31.0	43.5	12.5	21	100	13.6	27.0	1.0	V
4	168.118752	29.5	43.5	14.0	358	100	13.9	26.8	1.5	V
5	349.862839	34.1	46.0	11.9	321	100	16.2	27.2	2.3	V
6	750.108251	43.3	46.0	2.7	221	100	20.2	26.3	3.5	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 6		

Remark:

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

Mode 6 Horizontal



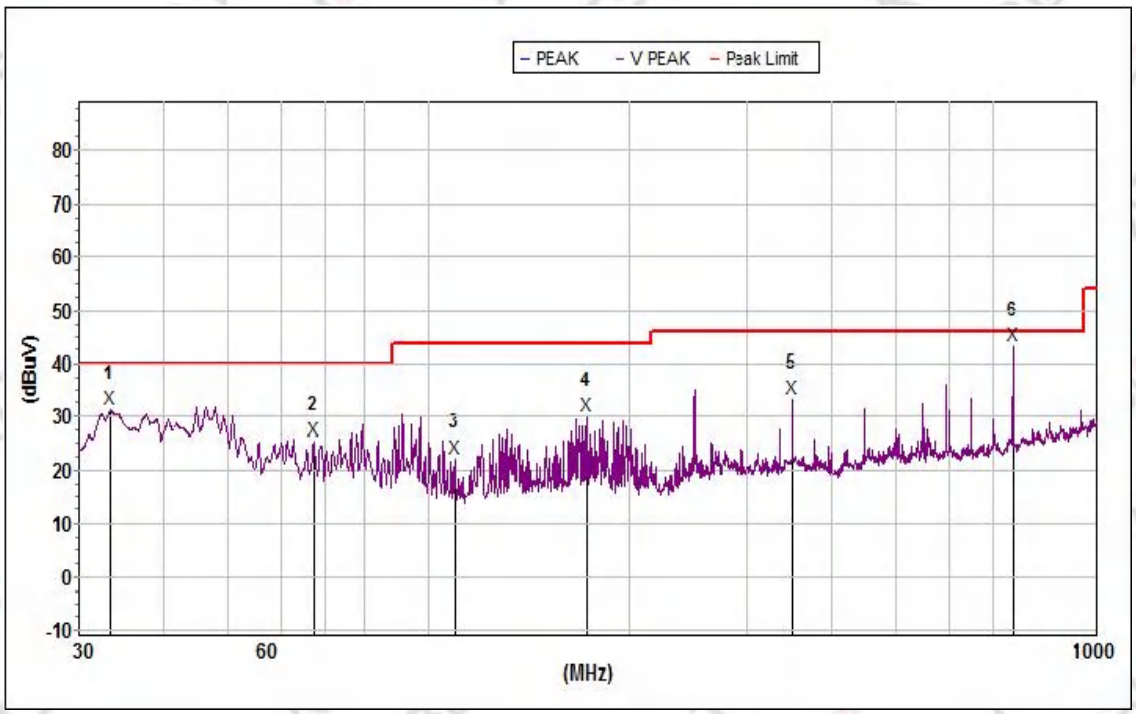
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.821189	16.0	40.0	24.0	0	100	18.5	31.8	0.8	H
2	65.803061	17.8	40.0	22.2	142	100	16.9	32.0	1.1	H
3	113.714325	29.1	43.5	14.4	204	100	15.5	32.0	1.5	H
4	187.424085	35.2	43.5	8.3	22	100	15.6	31.9	1.9	H
5	377.921107	29.9	46.0	16.1	224	100	20.6	32.3	2.7	H
6	748.794255	42.6	46.0	3.4	41	100	27.1	31.2	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 6		

Remark:

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

Mode 6 Vertical



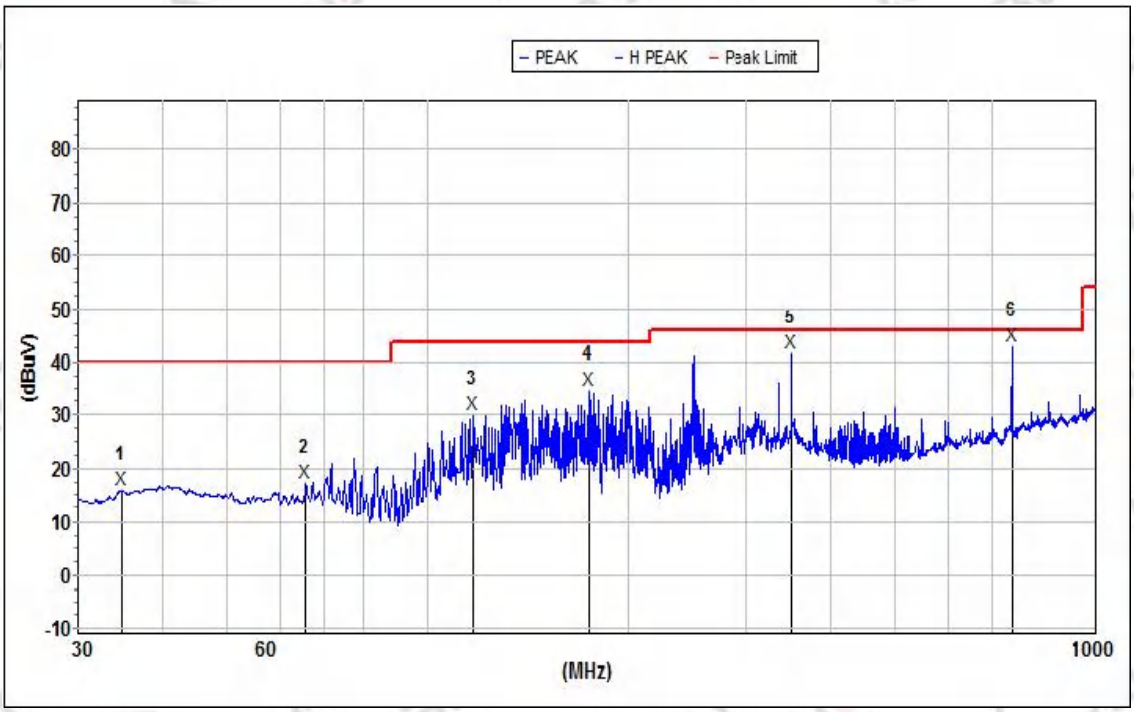
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	31.3	40.0	8.7	360	100	18.3	26.9	0.5	V
2	67.320108	25.6	40.0	14.4	297	100	16.9	27.0	0.8	V
3	109.411636	22.1	43.5	21.4	113	100	12.5	27.0	1.1	V
4	172.296442	30.2	43.5	13.3	349	100	13.8	26.7	1.5	V
5	349.862839	33.3	46.0	12.7	336	100	16.2	27.2	2.3	V
6	750.108251	43.4	46.0	2.6	297	100	20.2	26.3	3.5	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 7		

Remark:

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

Mode 7 Horizontal



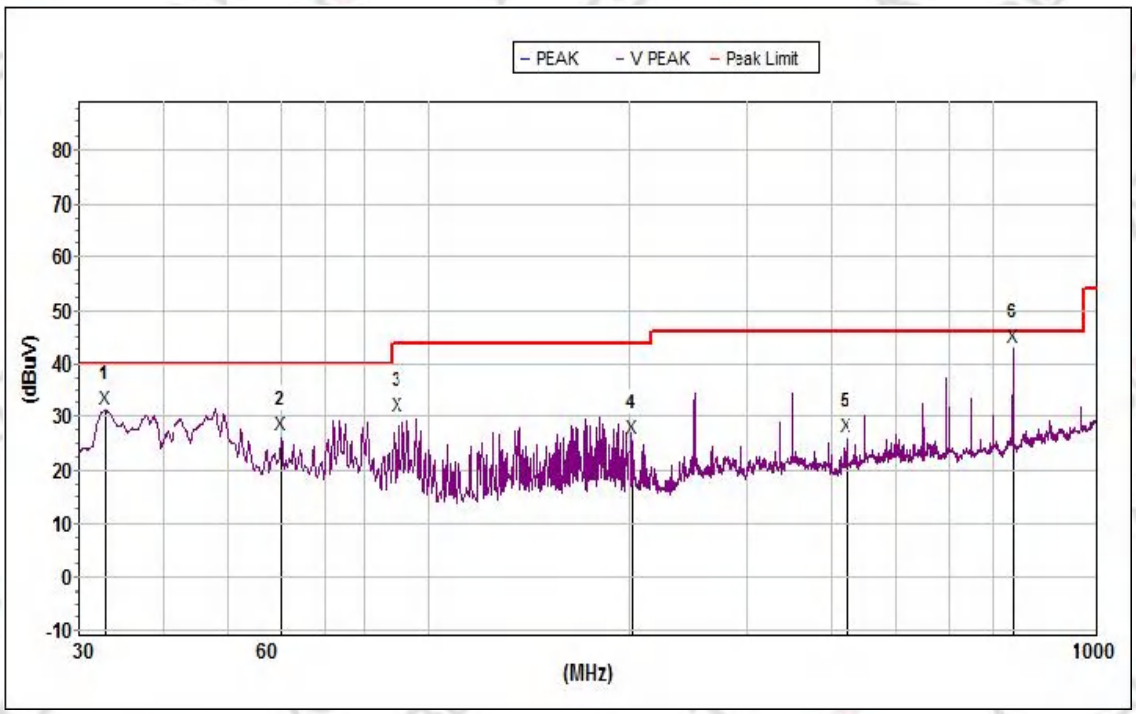
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.821189	15.9	40.0	24.1	116	100	18.5	31.8	0.8	H
2	65.803061	17.2	40.0	22.8	6	100	16.9	32.0	1.1	H
3	116.744591	30.0	43.5	13.5	0	100	15.7	32.0	1.5	H
4	173.813501	34.6	43.5	8.9	35	100	16.4	31.9	1.8	H
5	349.862839	41.5	46.0	4.5	236	100	19.8	32.2	2.6	H
6	750.108251	42.8	46.0	3.2	55	100	27.1	31.3	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 7		

Remark:

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

Mode 7 Vertical



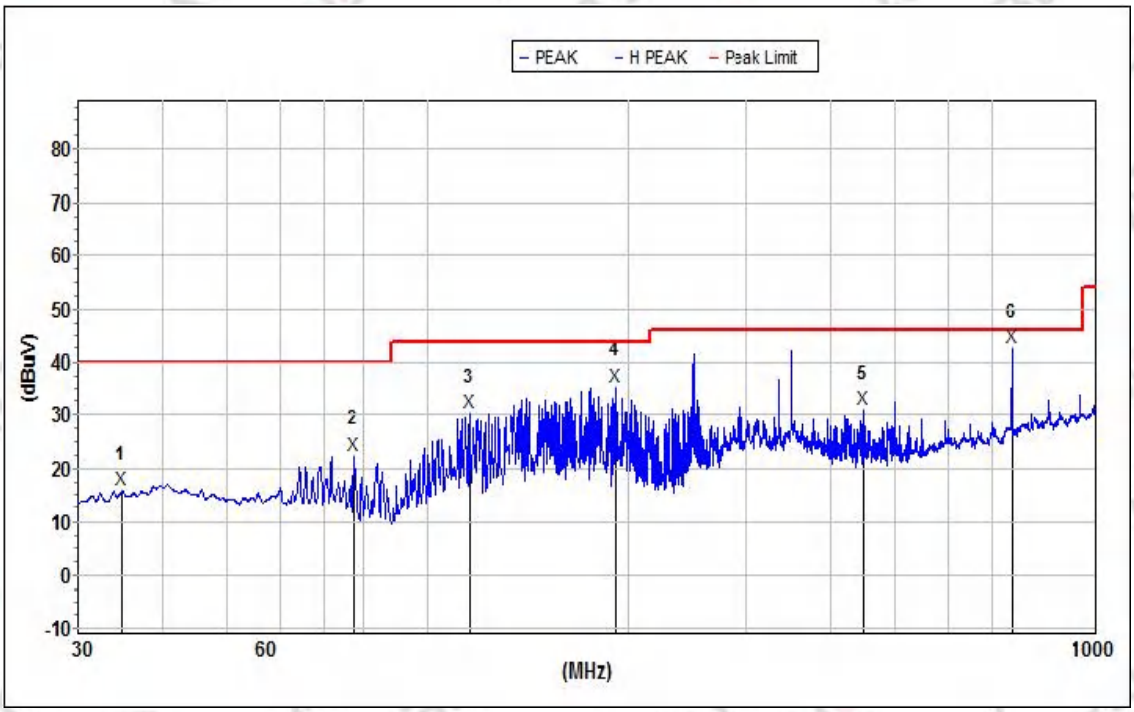
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	32.863673	31.3	40.0	8.7	358	100	18.3	26.9	0.5	V
2	60.069117	26.4	40.0	13.6	283	100	17.8	26.9	0.8	V
3	90.062447	30.1	43.5	13.4	41	100	14.2	27.0	1.0	V
4	202.455105	25.8	43.5	17.7	0	100	12.8	26.5	1.7	V
5	421.318364	26.2	46.0	19.8	182	100	17.3	27.1	2.5	V
6	750.108251	43.1	46.0	2.9	223	100	20.2	26.3	3.5	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 9		

Remark:

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

Mode 9 Horizontal



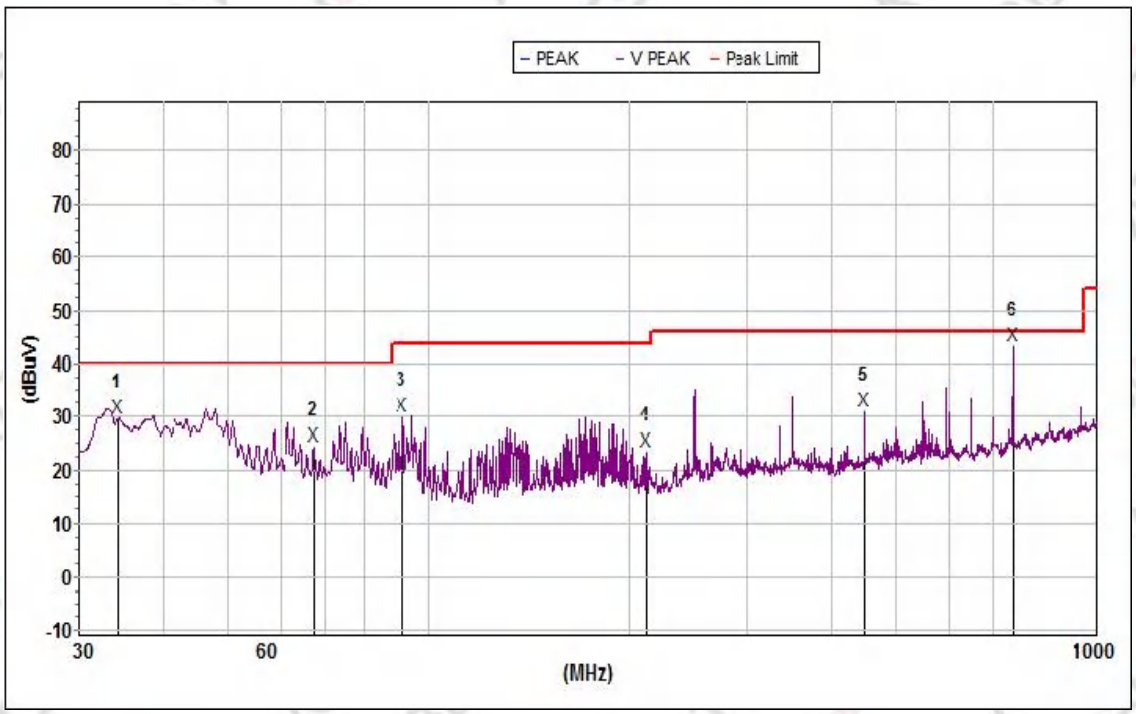
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.821189	15.9	40.0	24.1	354	100	18.5	31.8	0.8	H
2	77.456872	22.4	40.0	17.6	63	100	14.2	32.0	1.2	H
3	115.320547	30.3	43.5	13.2	24	100	15.6	32.0	1.5	H
4	190.405002	35.3	43.5	8.2	44	100	15.5	31.9	1.9	H
5	449.555842	31.2	46.0	14.8	204	100	21.9	31.8	2.9	H
6	750.108251	42.6	46.0	3.4	44	100	27.1	31.3	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 9		

Remark:

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

Mode 9 Vertical



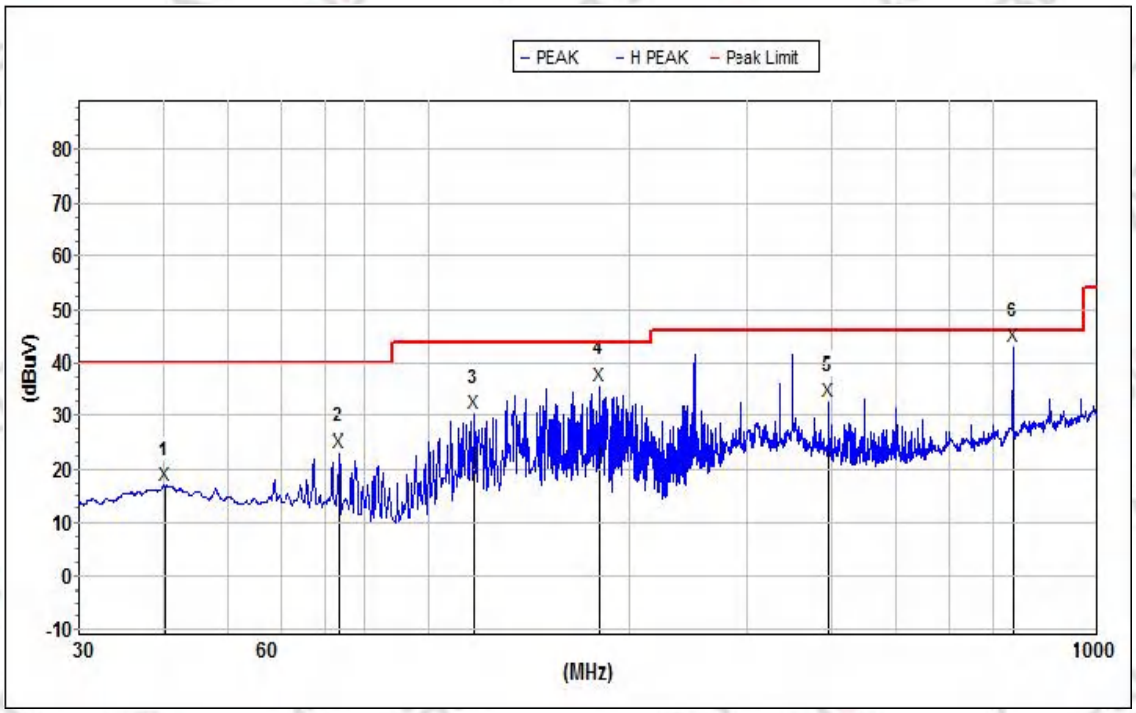
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.336189	29.8	40.0	10.2	98	100	18.5	26.8	0.5	V
2	67.320108	24.6	40.0	15.4	349	100	16.9	27.0	0.8	V
3	91.494860	30.1	43.5	13.4	55	100	13.9	27.0	1.0	V
4	212.641993	23.5	43.5	20.0	196	100	13.2	26.6	1.7	V
5	449.555842	31.1	46.0	14.9	176	100	18.4	26.8	2.6	V
6	750.108251	43.3	46.0	2.7	297	100	20.2	26.3	3.5	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 10		

Remark:

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

Mode 10 Horizontal



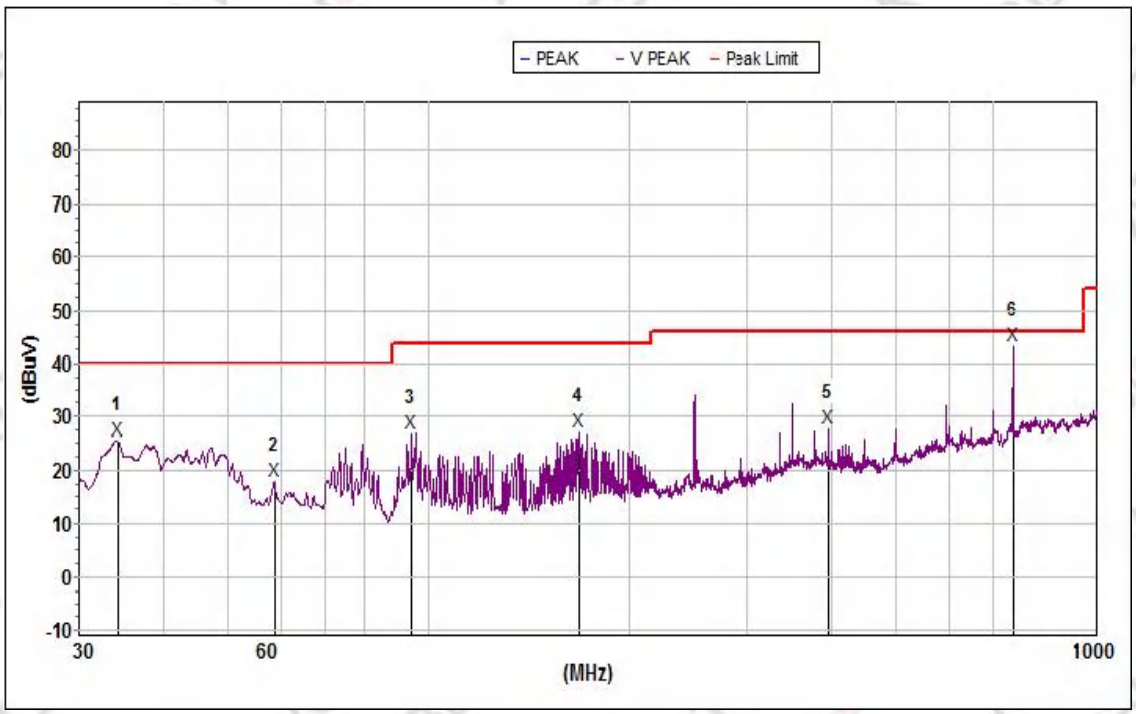
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	40.134716	17.1	40.0	22.9	1	100	19.5	31.5	0.9	H
2	73.617017	23.2	40.0	16.8	158	100	15.3	32.0	1.2	H
3	116.744591	30.5	43.5	13.0	37	100	15.7	32.0	1.5	H
4	179.701149	35.8	43.5	7.7	58	100	16.1	31.9	1.9	H
5	395.547434	32.7	46.0	13.3	240	100	21.1	32.4	2.7	H
6	750.108251	42.8	46.0	3.2	37	100	27.1	31.3	3.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 10		

Remark:

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

Mode 10 Vertical



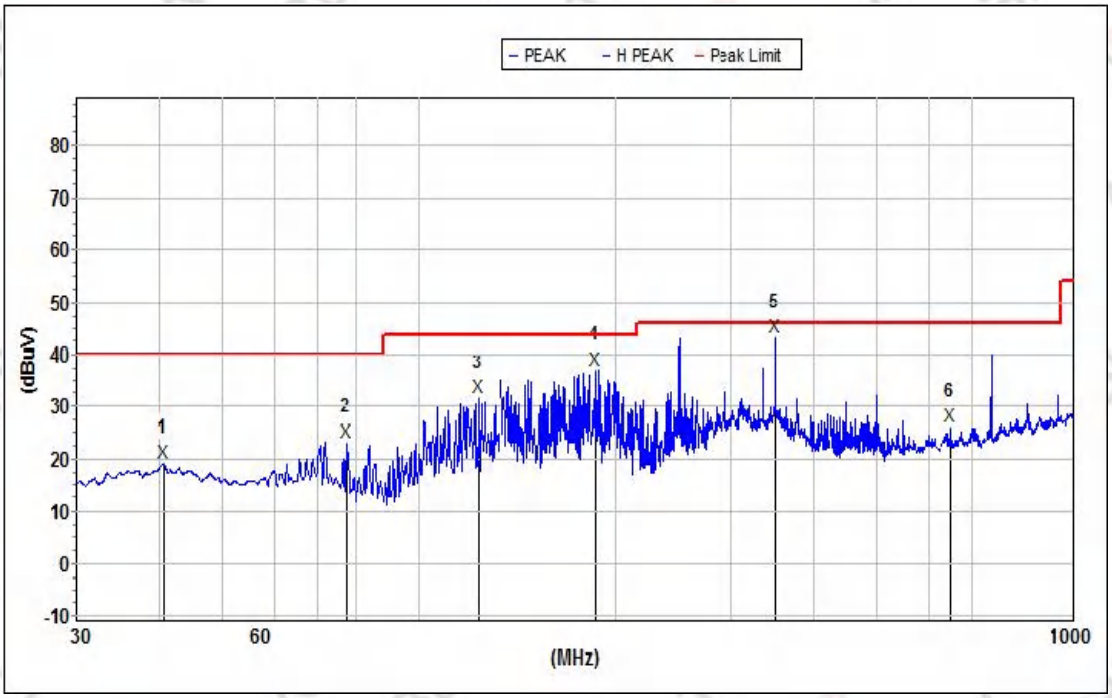
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.215998	25.6	40.0	14.4	150	100	18.5	31.8	0.8	V
2	58.612615	17.9	40.0	22.1	150	100	17.9	31.9	0.8	V
3	94.428394	26.8	43.5	16.7	150	100	14.6	32.0	1.2	V
4	168.118752	27.1	43.5	16.4	150	100	16.1	31.9	1.7	V
5	395.547434	27.9	46.0	18.1	150	100	21.7	32.4	2.7	V
6	750.108251	43.2	46.0	2.8	150	100	27.4	31.3	3.6	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 12		

Remark:

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

Mode 12 Horizontal



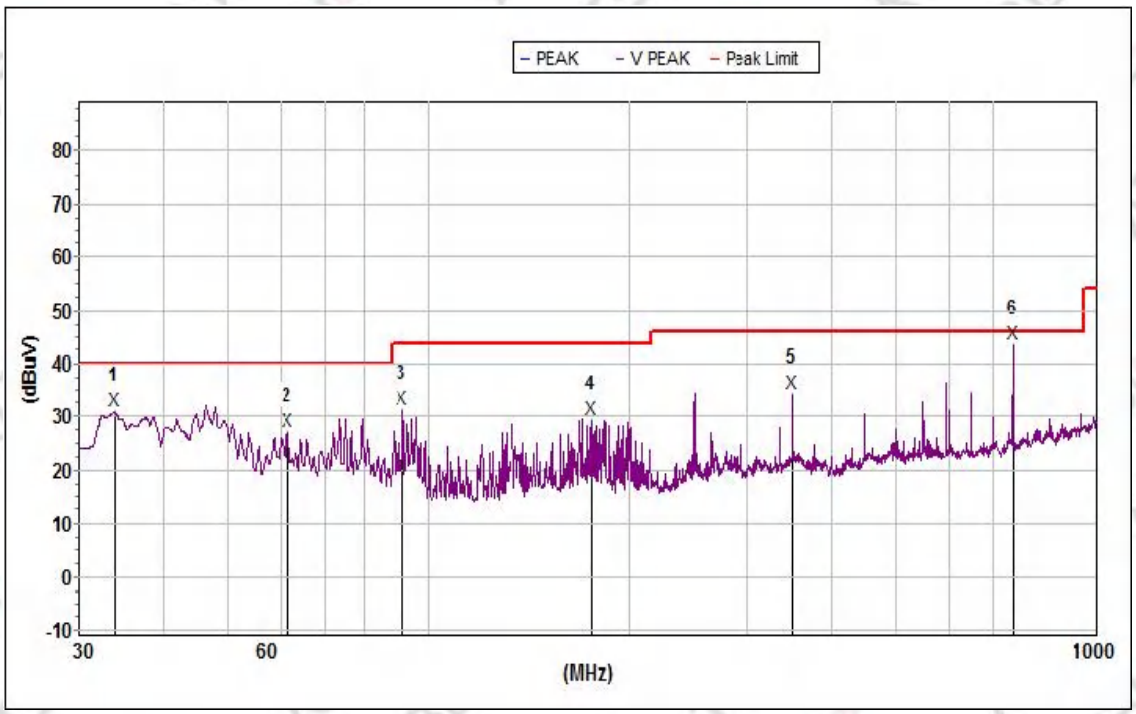
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	40.630322	19.1	40.0	20.9	199	100	16.4	26.5	0.6	H
2	77.456872	23.3	40.0	16.7	60	100	11.2	27.0	0.9	H
3	123.049527	31.7	43.5	11.8	79	100	12.9	27.0	1.2	H
4	186.114256	37.1	43.5	6.4	60	100	12.6	26.6	1.6	H
5	349.862839	43.2	46.0	2.8	241	100	16.8	27.2	2.3	H
6	649.659681	26.2	46.0	19.8	360	100	18.9	26.1	3.3	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 12		

Remark:

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

Mode 12 Vertical



Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.857943	31.0	40.0	9.0	60	100	18.4	26.9	0.5	V
2	61.453972	27.3	40.0	12.7	9	100	17.6	26.9	0.8	V
3	91.494860	31.4	43.5	12.1	281	100	13.9	27.0	1.0	V
4	175.343917	29.5	43.5	14.0	300	100	13.6	26.7	1.5	V
5	349.862839	34.5	46.0	11.5	320	100	16.2	27.2	2.3	V
6	750.108251	43.6	46.0	2.4	222	100	20.2	26.3	3.5	V

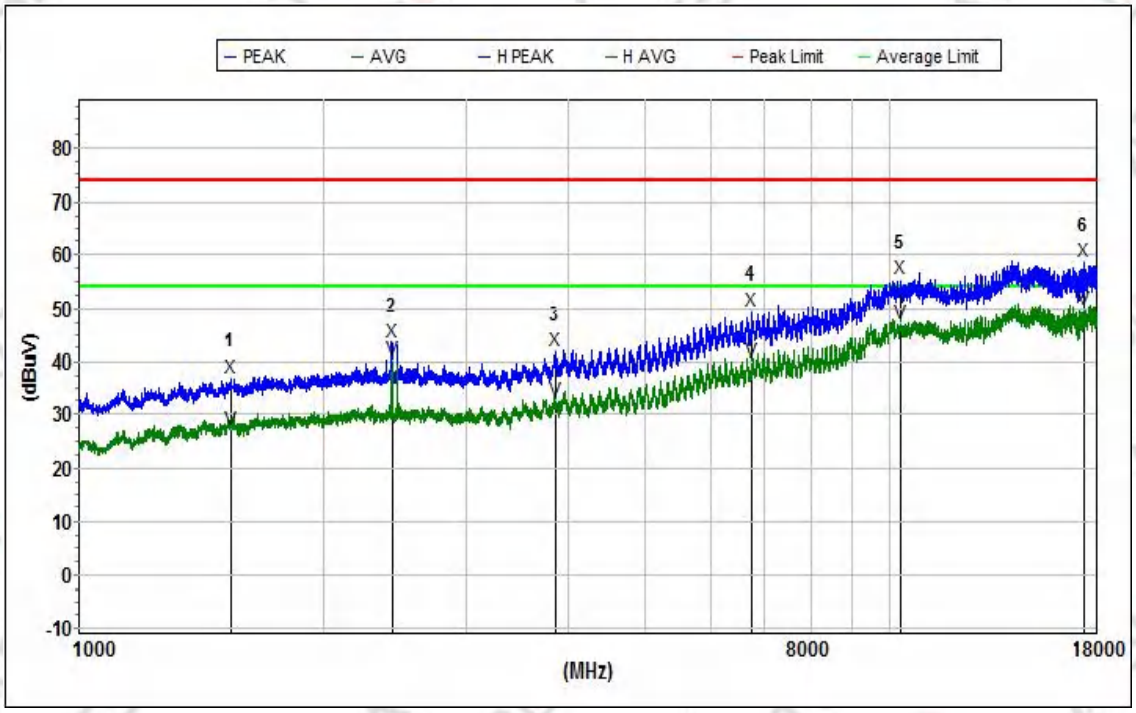
3.5.4.3. For 1GHz ~ 18 GHz

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 1		

Remark:

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

Mode 1 Horizontal



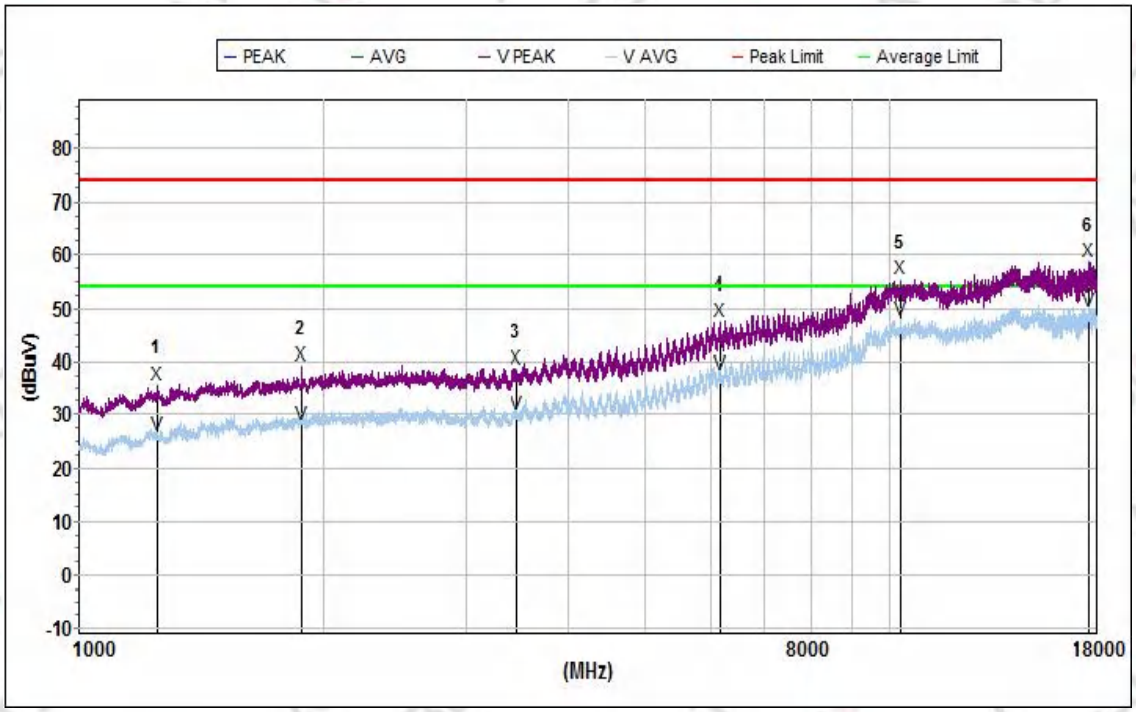
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1535.500000	37.0	74.0	37.0	360	100	25.2	57.5	2.5	H
2	2423.750000	43.7	74.0	30.3	0	100	27.4	56.9	2.8	H
3	3862.800000	41.8	74.0	32.2	85	100	30.3	57.2	3.2	H
4	6763.850000	49.4	74.0	24.6	360	100	35.4	56.9	4.3	H
5	10316.000000	55.3	74.0	18.7	15	100	38.4	56.6	5.5	H
6	17386.300000	58.8	74.0	15.2	317	100	39.7	56.1	6.9	H
Avg										
1	1535.500000	27.0	54.0	27.0	360	100	25.2	57.5	2.5	H
2	2423.750000	40.2	54.0	13.8	0	100	27.4	56.9	2.8	H
3	3862.800000	32.9	54.0	21.1	85	100	30.3	57.2	3.2	H
4	6763.850000	40.0	54.0	14.0	360	100	35.4	56.9	4.3	H
5	10316.000000	47.3	54.0	6.7	15	100	38.4	56.6	5.5	H
6	17386.300000	50.0	54.0	4.0	317	100	39.7	56.1	6.9	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 1		

Remark:

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

Mode 1 Vertical



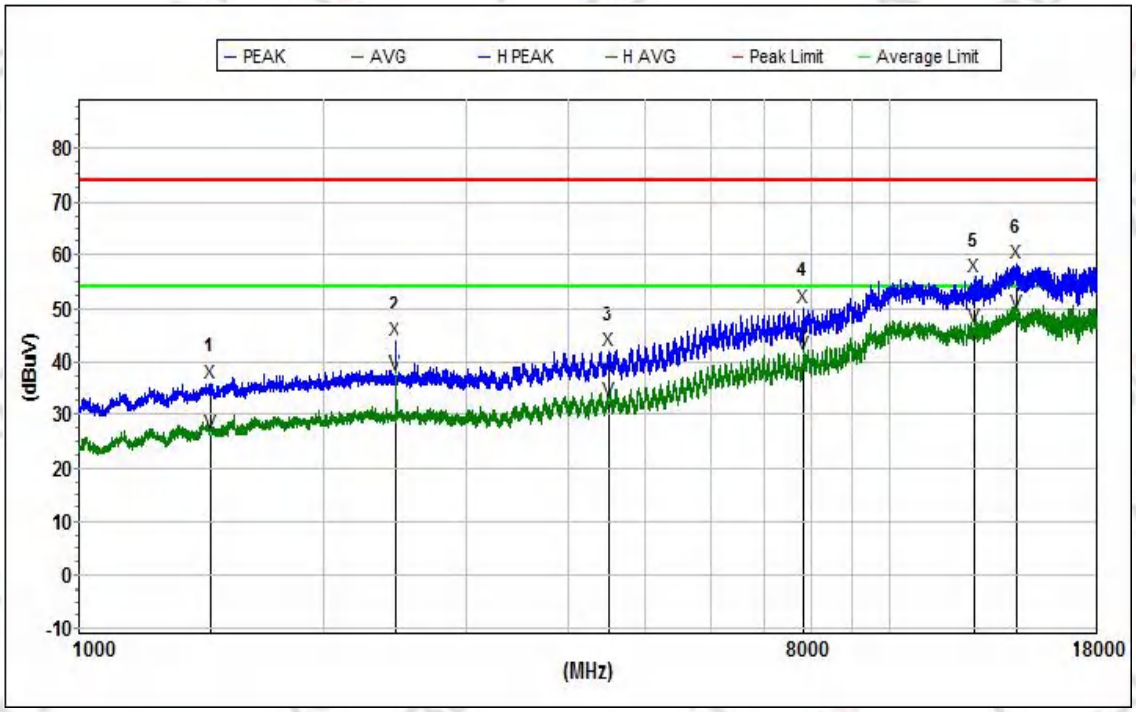
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1246.500000	35.7	74.0	38.3	113	100	25.3	58.7	2.3	V
2	1879.750000	39.2	74.0	34.8	188	100	25.2	56.5	2.6	V
3	3464.150000	38.8	74.0	35.2	341	100	29.1	57.4	3.1	V
4	6161.200000	47.6	74.0	26.4	113	100	34.1	57.0	4.2	V
5	10303.250000	55.4	74.0	18.6	188	100	38.3	56.6	5.5	V
6	17576.700000	58.8	74.0	15.2	266	100	40.5	56.1	6.9	V
Avg										
1	1246.500000	26.1	54.0	27.9	113	100	25.3	58.7	2.3	V
2	1879.750000	28.3	54.0	25.7	188	100	25.2	56.5	2.6	V
3	3464.150000	30.0	54.0	24.0	341	100	29.1	57.4	3.1	V
4	6161.200000	37.7	54.0	16.3	113	100	34.1	57.0	4.2	V
5	10303.250000	47.8	54.0	6.2	188	100	38.3	56.6	5.5	V
6	17576.700000	49.6	54.0	4.4	266	100	40.5	56.1	6.9	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 3		

Remark:

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

Mode 3 Horizontal



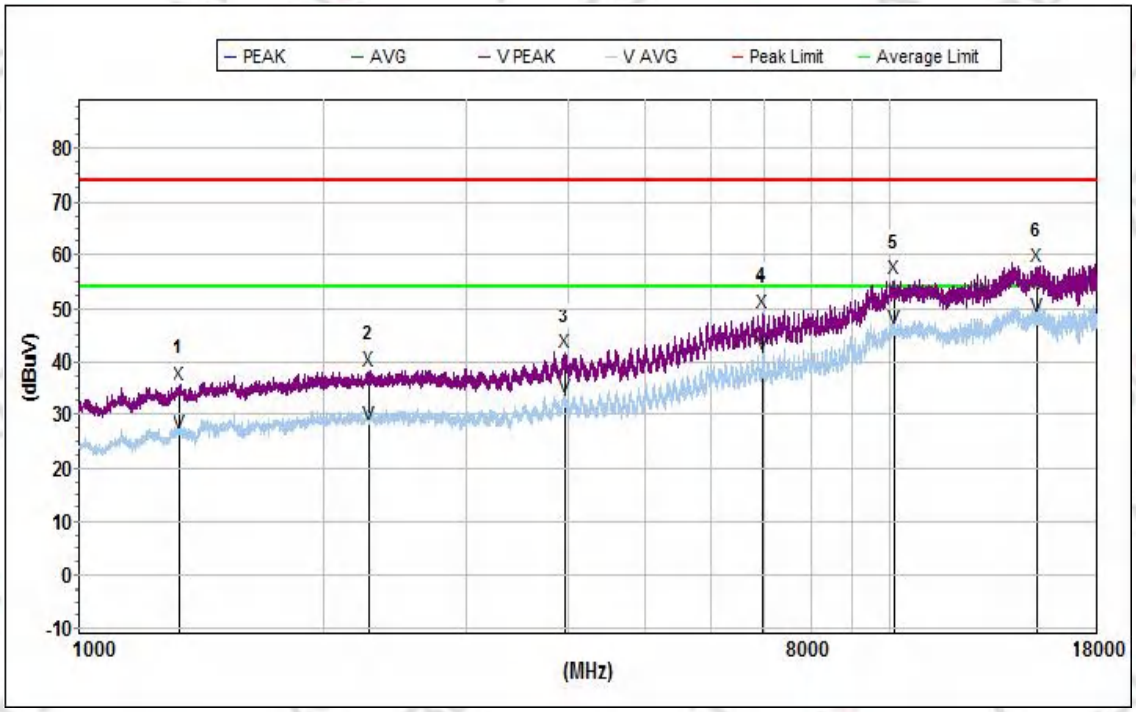
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1451.350000	36.2	74.0	37.8	0	100	25.4	57.8	2.4	H
2	2452.650000	43.8	74.0	30.2	360	100	27.5	57.0	2.8	H
3	4487.550000	41.9	74.0	32.1	266	100	31.2	57.4	3.5	H
4	7826.350000	50.1	74.0	23.9	339	100	36.8	57.1	4.8	H
5	12719.800000	55.9	74.0	18.1	360	100	39.6	56.5	6.1	H
6	14353.500000	58.4	74.0	15.6	36	100	39.7	55.9	6.3	H
Avg										
1	1451.350000	26.4	54.0	27.6	0	100	25.4	57.8	2.4	H
2	2452.650000	37.7	54.0	16.3	360	100	27.5	57.0	2.8	H
3	4487.550000	32.7	54.0	21.3	266	100	31.2	57.4	3.5	H
4	7826.350000	41.3	54.0	12.7	339	100	36.8	57.1	4.8	H
5	12719.800000	46.7	54.0	7.3	360	100	39.6	56.5	6.1	H
6	14353.500000	49.1	54.0	4.9	36	100	39.7	55.9	6.3	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 3		

Remark:

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

Mode 3 Vertical



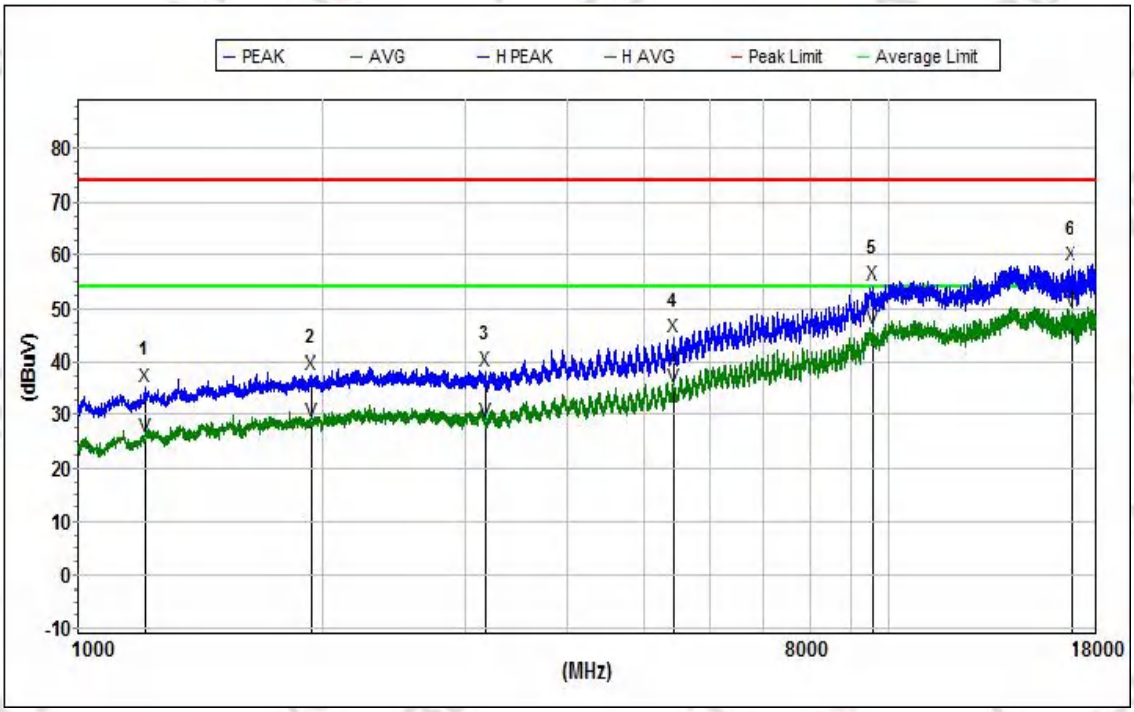
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1328.100000	35.8	74.0	38.2	360	100	25.4	58.4	2.3	V
2	2271.600000	38.5	74.0	35.5	360	100	26.5	56.5	2.8	V
3	3967.350000	41.6	74.0	32.4	360	100	30.4	57.3	3.3	V
4	6984.000000	49.2	74.0	24.8	0	100	35.7	56.9	4.3	V
5	10112.850000	55.6	74.0	18.4	17	100	38.2	56.5	5.4	V
6	15196.700000	57.8	74.0	16.2	360	100	38.6	55.9	6.4	V
Avg										
1	1328.100000	26.5	54.0	27.5	360	100	25.4	58.4	2.3	V
2	2271.600000	28.3	54.0	25.7	360	100	26.5	56.5	2.8	V
3	3967.350000	33.5	54.0	20.5	360	100	30.4	57.3	3.3	V
4	6984.000000	41.3	54.0	12.7	0	100	35.7	56.9	4.3	V
5	10112.850000	46.2	54.0	7.8	17	100	38.2	56.5	5.4	V
6	15196.700000	48.6	54.0	5.4	360	100	38.6	55.9	6.4	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 4		

Remark:

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

Mode 4 Horizontal



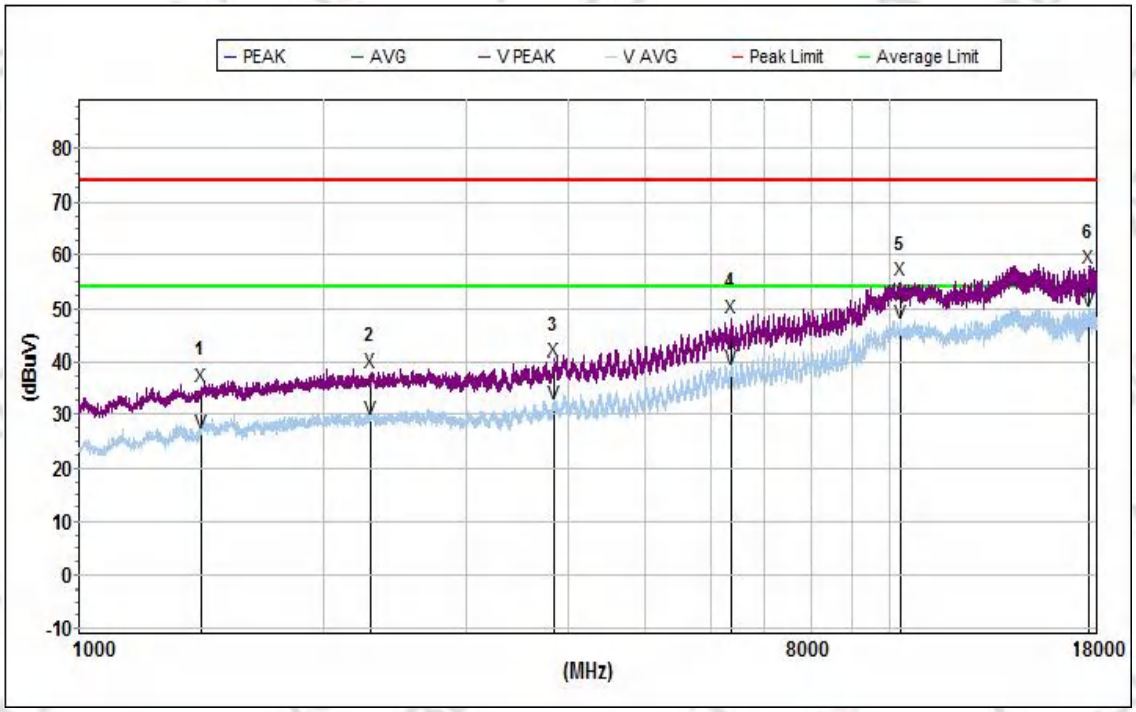
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1206.550000	35.3	74.0	38.7	164	100	25.4	58.8	2.3	H
2	1939.250000	37.6	74.0	36.4	242	100	25.3	56.4	2.6	H
3	3179.400000	38.5	74.0	35.5	0	100	29.1	57.6	3.0	H
4	5425.950000	44.6	74.0	29.4	318	100	32.3	57.3	3.9	H
5	9568.850000	54.6	74.0	19.4	15	100	38.1	56.8	5.4	H
6	16769.200000	58.0	74.0	16.0	15	100	38.1	56.2	6.8	H
Avg										
1	1206.550000	25.8	54.0	28.2	164	100	25.4	58.8	2.3	H
2	1939.250000	28.7	54.0	25.3	242	100	25.3	56.4	2.6	H
3	3179.400000	28.8	54.0	25.2	0	100	29.1	57.6	3.0	H
4	5425.950000	35.5	54.0	18.5	318	100	32.3	57.3	3.9	H
5	9568.850000	46.3	54.0	7.7	15	100	38.1	56.8	5.4	H
6	16769.200000	49.4	54.0	4.6	15	100	38.1	56.2	6.8	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 4		

Remark:

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

Mode 4 Vertical



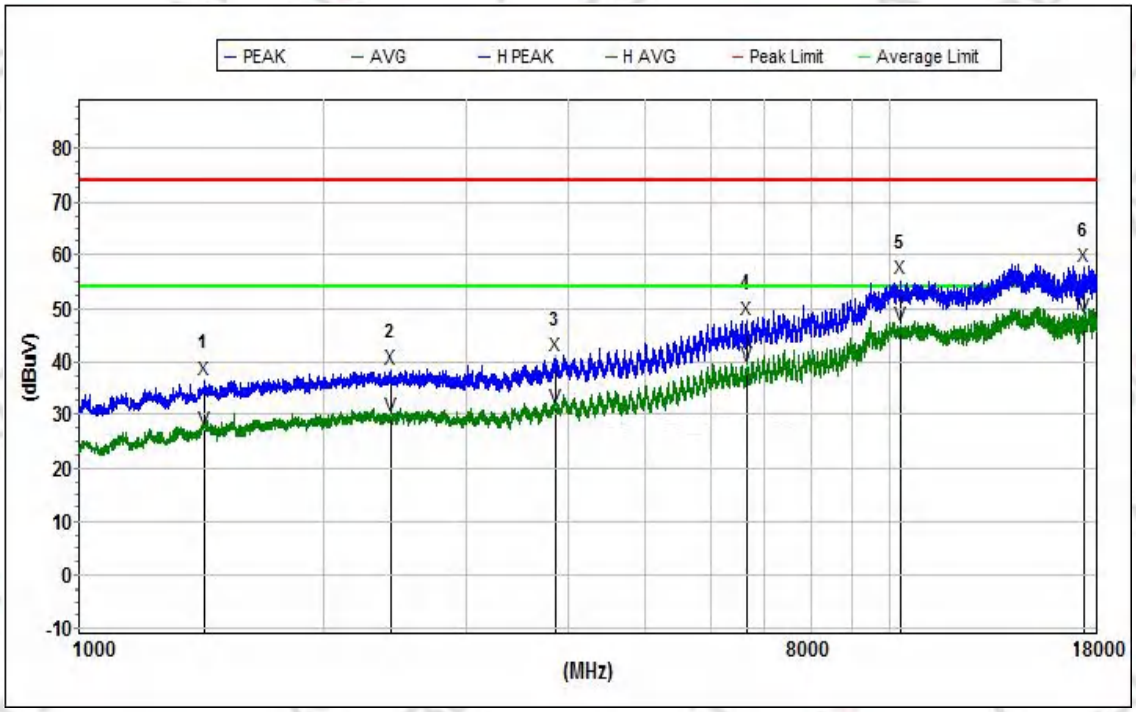
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1413.950000	35.3	74.0	38.7	37	100	25.4	58.0	2.4	V
2	2282.650000	38.1	74.0	35.9	360	100	26.5	56.5	2.8	V
3	3848.350000	40.0	74.0	34.0	339	100	30.1	57.2	3.2	V
4	6355.000000	48.3	74.0	25.7	37	100	34.4	56.9	4.2	V
5	10310.900000	55.0	74.0	19.0	191	100	38.3	56.6	5.5	V
6	17592.000000	57.4	74.0	16.6	0	100	40.6	56.1	6.9	V
Avg										
1	1413.950000	26.5	54.0	27.5	37	100	25.4	58.0	2.4	V
2	2282.650000	29.2	54.0	24.8	360	100	26.5	56.5	2.8	V
3	3848.350000	32.0	54.0	22.0	339	100	30.1	57.2	3.2	V
4	6355.000000	38.8	54.0	15.2	37	100	34.4	56.9	4.2	V
5	10310.900000	47.2	54.0	6.8	191	100	38.3	56.6	5.5	V
6	17592.000000	49.4	54.0	4.6	0	100	40.6	56.1	6.9	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 6		

Remark:

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

Mode 6 Horizontal



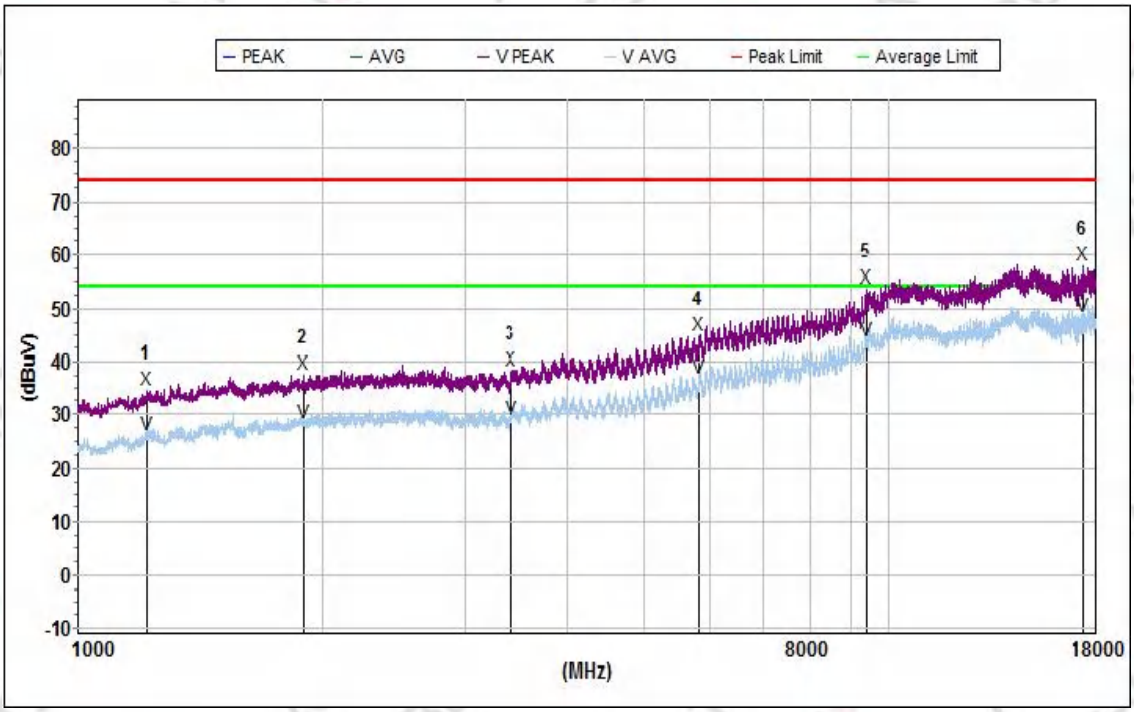
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1430.100000	36.6	74.0	37.4	0	100	25.4	57.9	2.4	H
2	2416.950000	38.6	74.0	35.4	360	100	27.4	56.9	2.8	H
3	3862.800000	41.0	74.0	33.0	37	100	30.3	57.2	3.2	H
4	6660.150000	47.9	74.0	26.1	341	100	35.2	56.9	4.3	H
5	10302.400000	55.5	74.0	18.5	266	100	38.4	56.6	5.5	H
6	17394.800000	57.9	74.0	16.1	360	100	39.7	56.1	6.9	H
Avg										
1	1430.100000	27.0	54.0	27.0	0	100	25.4	57.9	2.4	H
2	2416.950000	29.7	54.0	24.3	360	100	27.4	56.9	2.8	H
3	3862.800000	31.4	54.0	22.6	37	100	30.3	57.2	3.2	H
4	6660.150000	39.3	54.0	14.7	341	100	35.2	56.9	4.3	H
5	10302.400000	47.0	54.0	7.0	266	100	38.4	56.6	5.5	H
6	17394.800000	48.5	54.0	5.5	360	100	39.7	56.1	6.9	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 6		

Remark:

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

Mode 6 Vertical



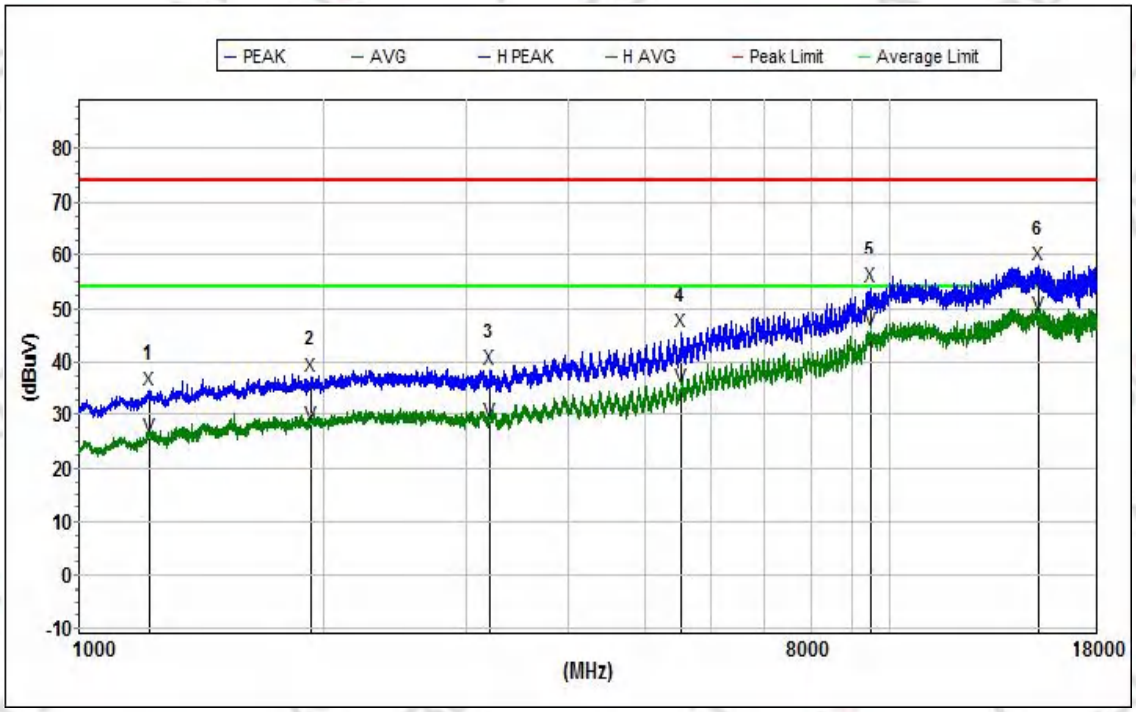
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1215.050000	34.8	74.0	39.2	244	100	25.3	58.8	2.3	V
2	1896.750000	37.8	74.0	36.2	168	100	25.3	56.4	2.6	V
3	3427.600000	38.5	74.0	35.5	360	100	29.1	57.4	3.1	V
4	5833.100000	45.0	74.0	29.0	322	100	33.2	57.1	4.1	V
5	9385.250000	53.7	74.0	20.3	360	100	37.8	57.0	5.4	V
6	17403.300000	58.2	74.0	15.8	18	100	39.9	56.1	6.9	V
Avg										
1	1215.050000	26.2	54.0	27.8	244	100	25.3	58.8	2.3	V
2	1896.750000	28.4	54.0	25.6	168	100	25.3	56.4	2.6	V
3	3427.600000	29.2	54.0	24.8	360	100	29.1	57.4	3.1	V
4	5833.100000	37.0	54.0	17.0	322	100	33.2	57.1	4.1	V
5	9385.250000	43.8	54.0	10.2	360	100	37.8	57.0	5.4	V
6	17403.300000	48.7	54.0	5.3	18	100	39.9	56.1	6.9	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 7		

Remark:

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

Mode 7 Horizontal



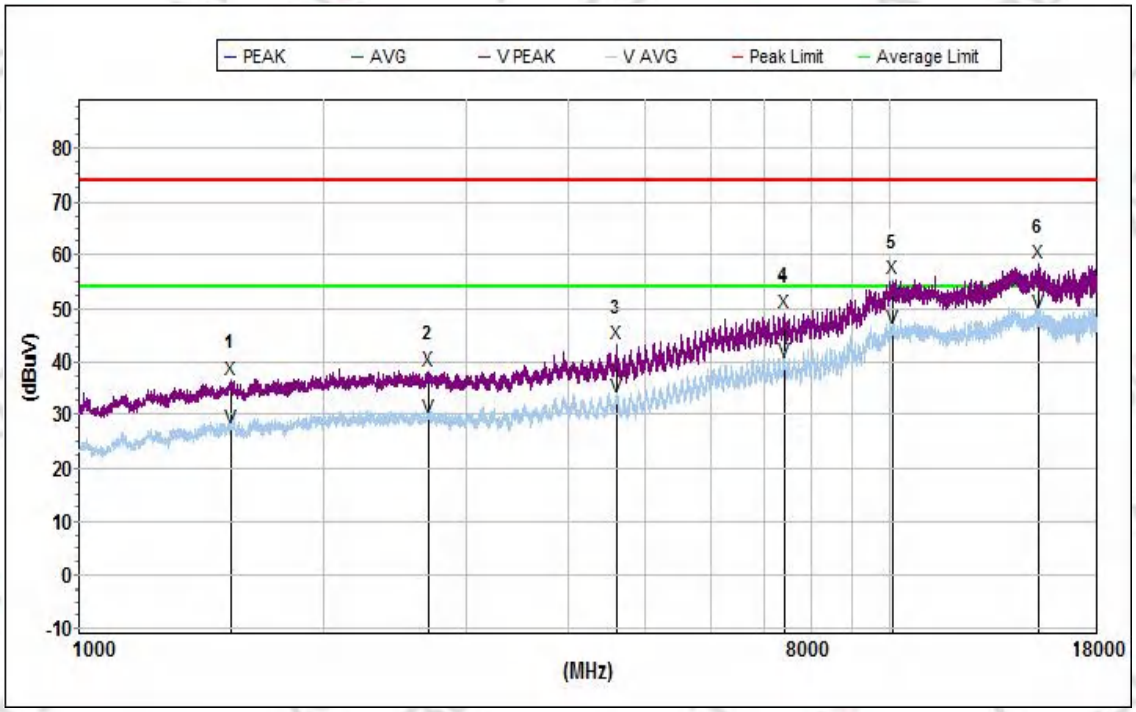
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1218.450000	34.6	74.0	39.4	321	100	25.4	58.7	2.3	H
2	1929.900000	37.5	74.0	36.5	92	100	25.3	56.4	2.6	H
3	3209.150000	38.6	74.0	35.4	243	100	29.1	57.6	3.0	H
4	5529.650000	45.5	74.0	28.5	360	100	32.5	57.3	4.0	H
5	9466.850000	54.1	74.0	19.9	321	100	38.1	56.9	5.4	H
6	15207.750000	58.0	74.0	16.0	167	100	38.8	55.9	6.4	H
Avg										
1	1218.450000	25.8	54.0	28.2	321	100	25.4	58.7	2.3	H
2	1929.900000	28.1	54.0	25.9	92	100	25.3	56.4	2.6	H
3	3209.150000	28.9	54.0	25.1	243	100	29.1	57.6	3.0	H
4	5529.650000	35.4	54.0	18.6	360	100	32.5	57.3	4.0	H
5	9466.850000	45.9	54.0	8.1	321	100	38.1	56.9	5.4	H
6	15207.750000	49.0	54.0	5.0	167	100	38.8	55.9	6.4	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 7		

Remark:

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

Mode 7 Vertical



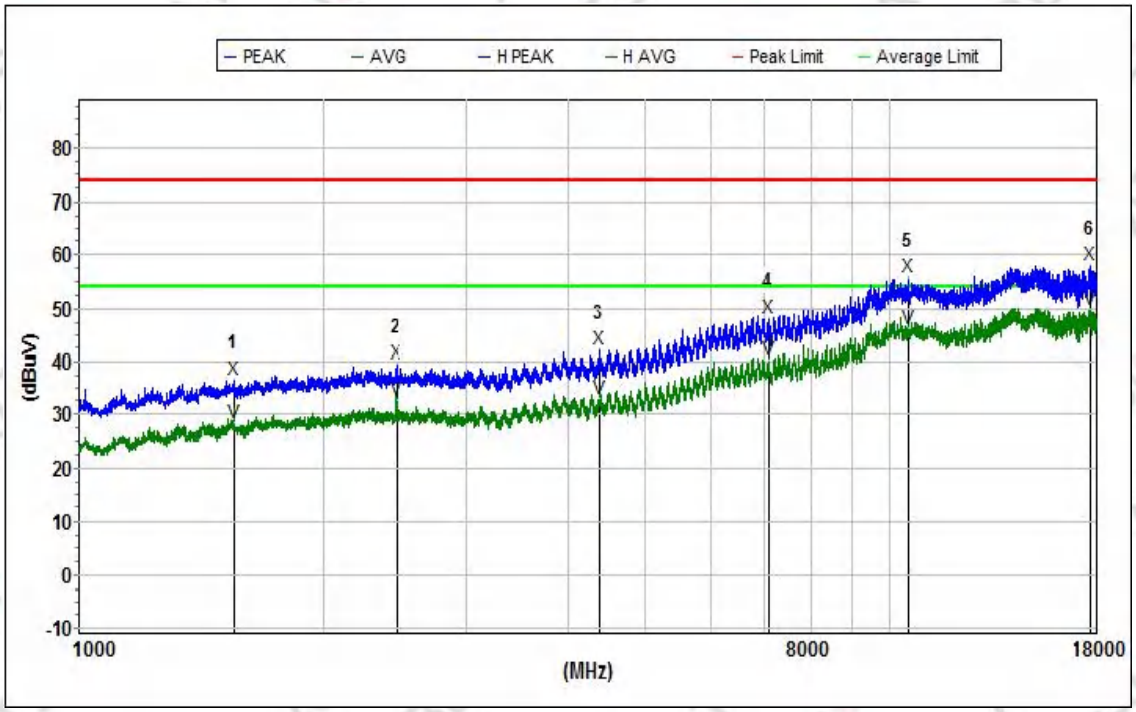
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1536.350000	36.6	74.0	37.4	341	100	25.2	57.5	2.5	V
2	2695.750000	38.5	74.0	35.5	360	100	27.9	57.3	2.9	V
3	4592.100000	43.2	74.0	30.8	268	100	31.1	57.4	3.6	V
4	7397.100000	49.1	74.0	24.9	341	100	36.1	57.0	4.6	V
5	10094.150000	55.4	74.0	18.6	37	100	38.2	56.5	5.4	V
6	15211.150000	58.3	74.0	15.7	268	100	38.6	55.9	6.4	V
Avg										
1	1536.350000	27.6	54.0	26.4	341	100	25.2	57.5	2.5	V
2	2695.750000	29.6	54.0	24.4	360	100	27.9	57.3	2.9	V
3	4592.100000	33.5	54.0	20.5	268	100	31.1	57.4	3.6	V
4	7397.100000	39.9	54.0	14.1	341	100	36.1	57.0	4.6	V
5	10094.150000	46.2	54.0	7.8	37	100	38.2	56.5	5.4	V
6	15211.150000	49.2	54.0	4.8	268	100	38.6	55.9	6.4	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 9		

Remark:

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

Mode 9 Horizontal



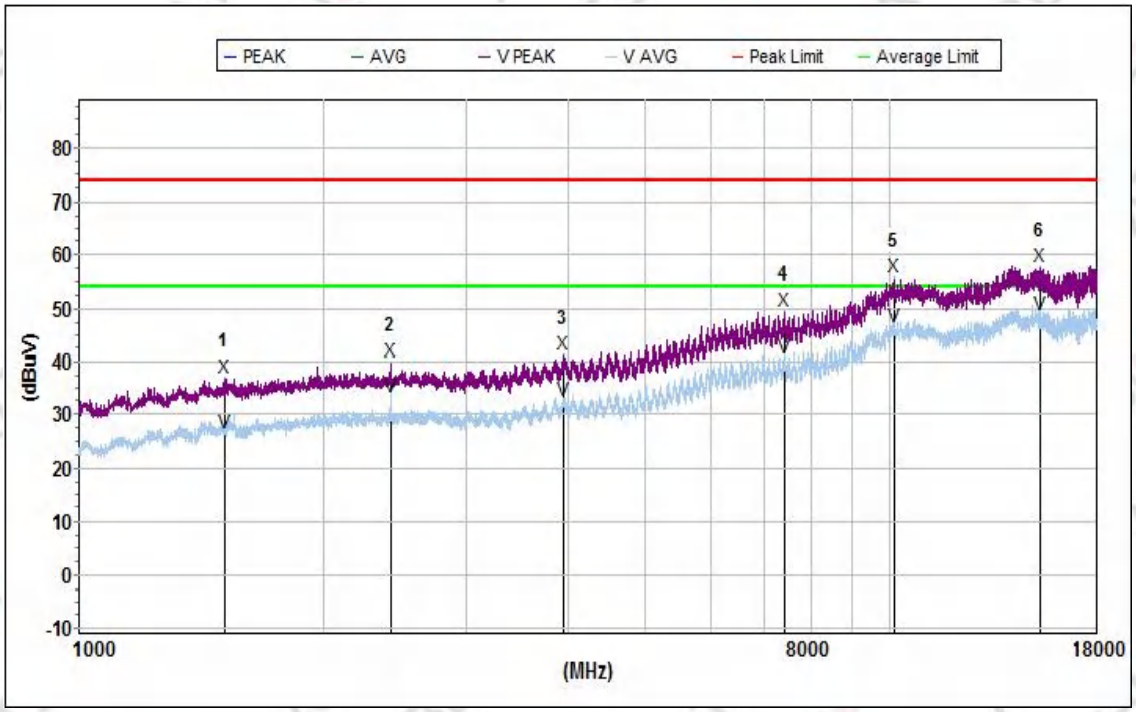
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1549.950000	36.7	74.0	37.3	0	100	25.1	57.4	2.5	H
2	2456.900000	39.8	74.0	34.2	240	100	27.5	57.0	2.8	H
3	4376.200000	42.2	74.0	31.8	0	100	31.2	57.4	3.5	H
4	7085.150000	48.2	74.0	25.8	0	100	36.0	56.9	4.4	H
5	10521.700000	55.7	74.0	18.3	0	100	38.6	56.7	5.5	H
6	17688.900000	58.0	74.0	16.0	360	100	40.8	56.1	6.9	H
Avg										
1	1549.950000	28.5	54.0	25.5	0	100	25.1	57.4	2.5	H
2	2456.900000	32.8	54.0	21.2	240	100	27.5	57.0	2.8	H
3	4376.200000	33.2	54.0	20.8	0	100	31.2	57.4	3.5	H
4	7085.150000	40.3	54.0	13.7	0	100	36.0	56.9	4.4	H
5	10521.700000	46.1	54.0	7.9	0	100	38.6	56.7	5.5	H
6	17688.900000	49.8	54.0	4.2	360	100	40.8	56.1	6.9	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 9		

Remark:

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

Mode 9 Vertical



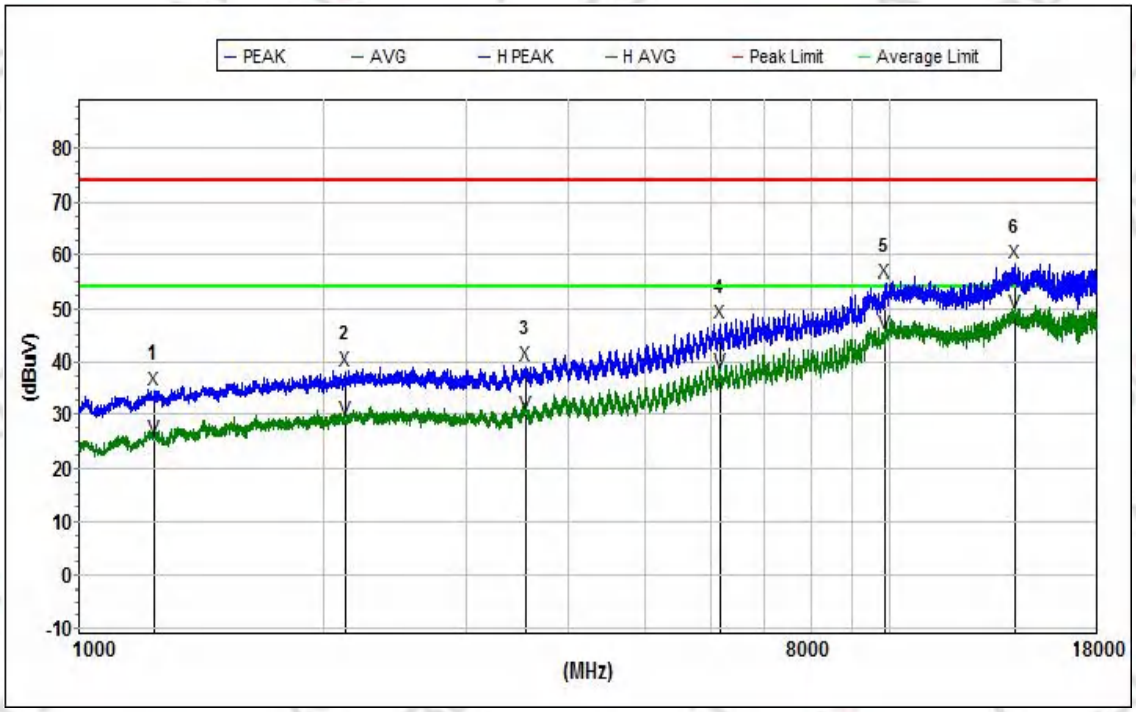
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1514.250000	36.9	74.0	37.1	0	100	25.4	57.5	2.5	V
2	2413.550000	39.9	74.0	34.1	342	100	27.1	56.9	2.8	V
3	3953.750000	41.4	74.0	32.6	360	100	30.4	57.3	3.2	V
4	7401.350000	49.5	74.0	24.5	342	100	36.1	57.0	4.6	V
5	10105.200000	55.7	74.0	18.3	268	100	38.2	56.5	5.4	V
6	15303.800000	57.8	74.0	16.2	192	100	38.4	56.0	6.4	V
Avg										
1	1514.250000	26.5	54.0	27.5	0	100	25.4	57.5	2.5	V
2	2413.550000	33.4	54.0	20.6	342	100	27.1	56.9	2.8	V
3	3953.750000	32.6	54.0	21.4	360	100	30.4	57.3	3.2	V
4	7401.350000	40.8	54.0	13.2	342	100	36.1	57.0	4.6	V
5	10105.200000	46.7	54.0	7.3	268	100	38.2	56.5	5.4	V
6	15303.800000	48.8	54.0	5.2	192	100	38.4	56.0	6.4	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 10		

Remark:

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

Mode 10 Horizontal



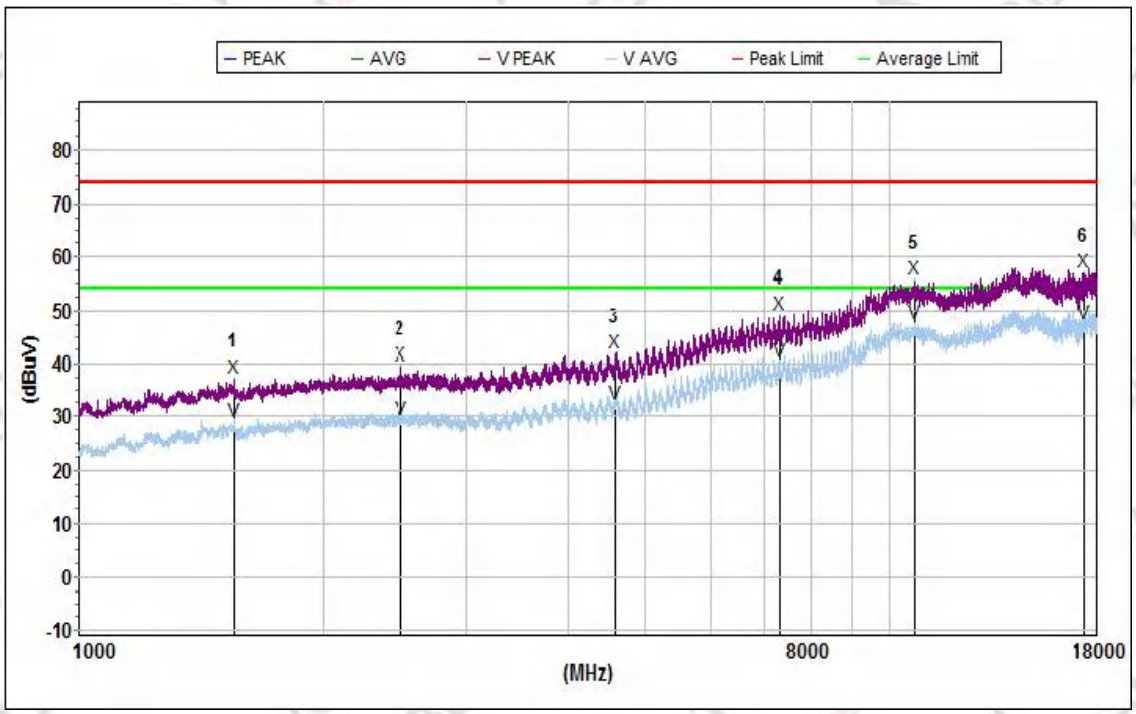
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1236.300000	34.6	74.0	39.4	193	100	25.4	58.7	2.3	H
2	2130.500000	38.3	74.0	35.7	360	100	26.1	56.3	2.7	H
3	3560.200000	39.2	74.0	34.8	0	100	29.5	57.5	3.2	H
4	6154.400000	47.3	74.0	26.7	114	100	34.2	57.0	4.2	H
5	9879.100000	54.9	74.0	19.1	0	100	38.2	56.6	5.4	H
6	14273.600000	58.4	74.0	15.6	37	100	39.7	55.9	6.2	H
Avg										
1	1236.300000	25.4	54.0	28.6	193	100	25.4	58.7	2.3	H
2	2130.500000	29.0	54.0	25.0	360	100	26.1	56.3	2.7	H
3	3560.200000	30.2	54.0	23.8	0	100	29.5	57.5	3.2	H
4	6154.400000	37.9	54.0	16.1	114	100	34.2	57.0	4.2	H
5	9879.100000	45.1	54.0	8.9	0	100	38.2	56.6	5.4	H
6	14273.600000	49.2	54.0	4.8	37	100	39.7	55.9	6.2	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 10		

Remark:

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

Mode 10 Vertical



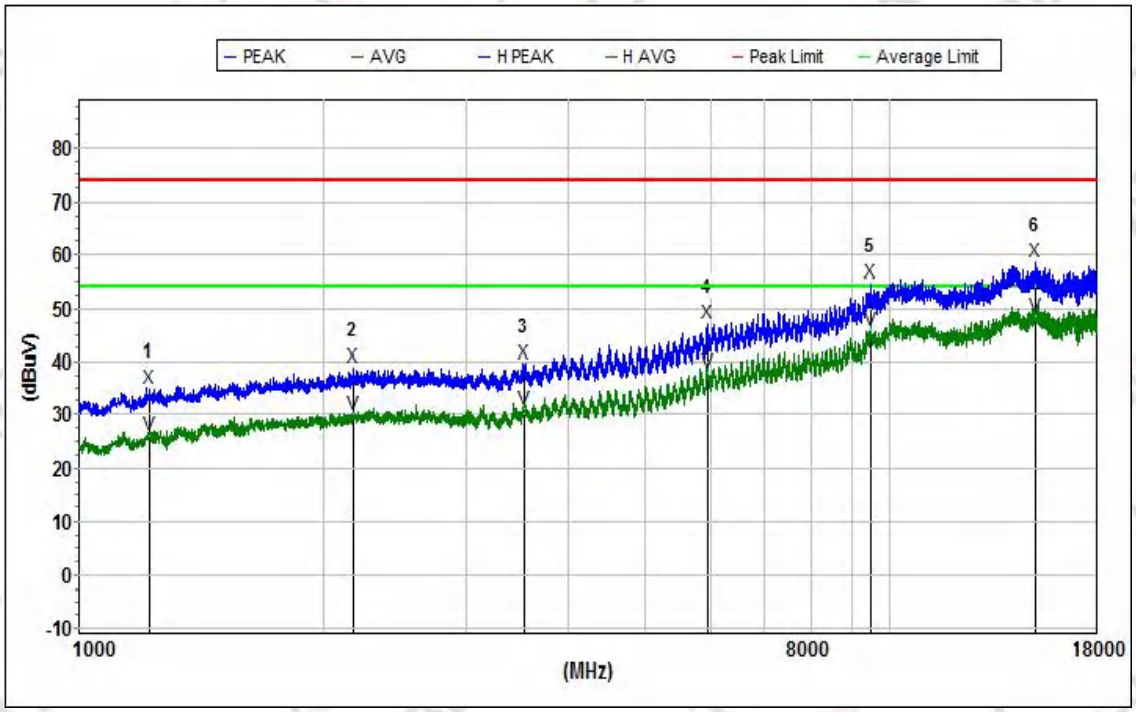
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1550.800000	37.3	74.0	36.7	360	100	25.1	57.4	2.5	V
2	2492.600000	39.5	74.0	34.5	242	100	27.4	57.1	2.8	V
3	4574.250000	41.9	74.0	32.1	0	100	31.0	57.4	3.6	V
4	7301.050000	49.1	74.0	24.9	164	100	36.0	57.0	4.5	V
5	10726.550000	55.7	74.0	18.3	242	100	38.6	56.7	5.6	V
6	17399.050000	57.1	74.0	16.9	360	100	39.9	56.1	6.9	V
Avg										
1	1550.800000	29.2	54.0	24.8	360	100	25.1	57.4	2.5	V
2	2492.600000	29.5	54.0	24.5	242	100	27.4	57.1	2.8	V
3	4574.250000	32.5	54.0	21.5	0	100	31.0	57.4	3.6	V
4	7301.050000	40.2	54.0	13.8	164	100	36.0	57.0	4.5	V
5	10726.550000	47.7	54.0	6.3	242	100	38.6	56.7	5.6	V
6	17399.050000	47.5	54.0	6.5	360	100	39.9	56.1	6.9	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 12		

Remark:

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

Mode 12 Horizontal



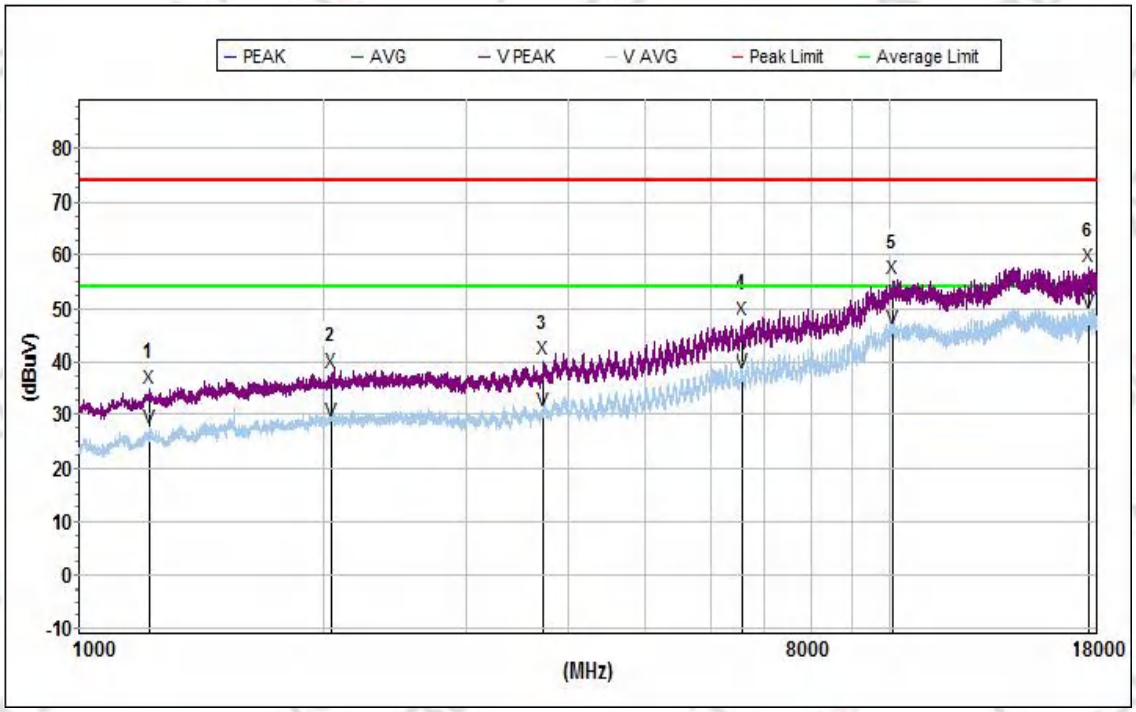
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1217.600000	35.0	74.0	39.0	319	100	25.4	58.7	2.3	H
2	2174.700000	39.0	74.0	35.0	0	100	26.5	56.4	2.7	H
3	3542.350000	39.8	74.0	34.2	240	100	29.4	57.4	3.2	H
4	5941.900000	47.2	74.0	26.8	86	100	33.8	57.0	4.1	H
5	9482.150000	54.8	74.0	19.2	165	100	38.1	56.9	5.4	H
6	15105.750000	58.7	74.0	15.3	319	100	38.9	55.9	6.4	H
Avg										
1	1217.600000	26.1	54.0	27.9	319	100	25.4	58.7	2.3	H
2	2174.700000	30.2	54.0	23.8	0	100	26.5	56.4	2.7	H
3	3542.350000	31.1	54.0	22.9	240	100	29.4	57.4	3.2	H
4	5941.900000	38.1	54.0	15.9	86	100	33.8	57.0	4.1	H
5	9482.150000	46.0	54.0	8.0	165	100	38.1	56.9	5.4	H
6	15105.750000	48.5	54.0	5.5	319	100	38.9	55.9	6.4	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	TX Mode 12		

Remark:

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

Mode 12 Vertical



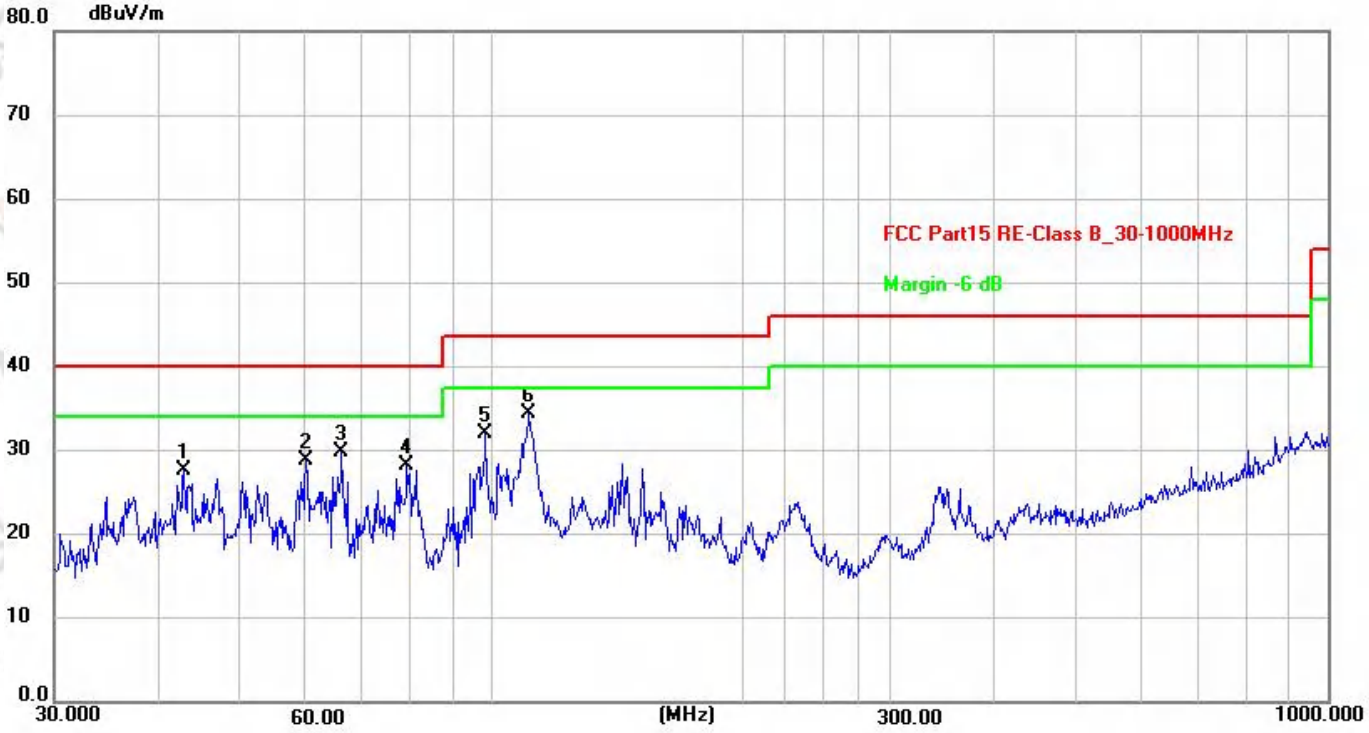
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1219.300000	35.0	74.0	39.0	360	100	25.3	58.7	2.3	V
2	2047.200000	38.0	74.0	36.0	360	100	25.7	56.3	2.7	V
3	3740.400000	40.3	74.0	33.7	360	100	29.7	57.3	3.2	V
4	6575.150000	48.0	74.0	26.0	37	100	34.9	56.9	4.2	V
5	10078.000000	55.5	74.0	18.5	193	100	38.2	56.5	5.4	V
6	17604.750000	57.8	74.0	16.2	37	100	40.6	56.1	6.9	V
Avg										
1	1219.300000	27.6	54.0	26.4	360	100	25.3	58.7	2.3	V
2	2047.200000	28.9	54.0	25.1	360	100	25.7	56.3	2.7	V
3	3740.400000	30.8	54.0	23.2	360	100	29.7	57.3	3.2	V
4	6575.150000	37.9	54.0	16.1	37	100	34.9	56.9	4.2	V
5	10078.000000	46.4	54.0	7.6	193	100	38.2	56.5	5.4	V
6	17604.750000	49.1	54.0	4.9	37	100	40.6	56.1	6.9	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	2.4G WiFi & LTE		

Remark:

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

2.4G WiFi & LTE Horizontal



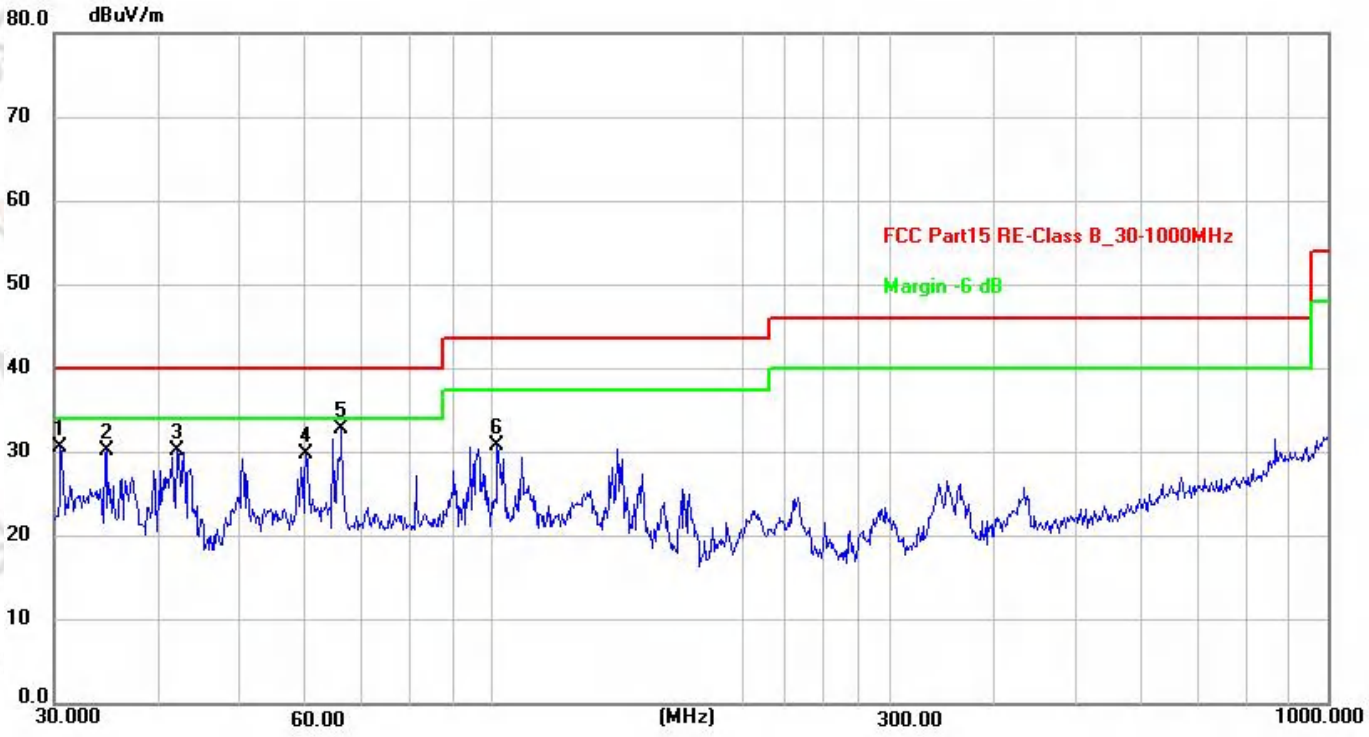
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Factor (dB)	Pol.
Peak:								
1	42.8997	27.70	40.00	12.30	60	200	-23.11	H
2	60.0690	28.92	40.00	11.08	9	200	-24.98	H
3	66.2660	29.86	40.00	10.14	281	200	-25.70	H
4	79.2425	28.15	40.00	11.85	300	200	-28.66	H
5	98.4865	32.06	43.50	11.44	320	200	-27.86	H
6	110.9570	34.50	43.50	9.00	222	200	-27.12	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	2.4G WiFi & LTE		

Remark:

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

2.4G WiFi & LTE Vertical



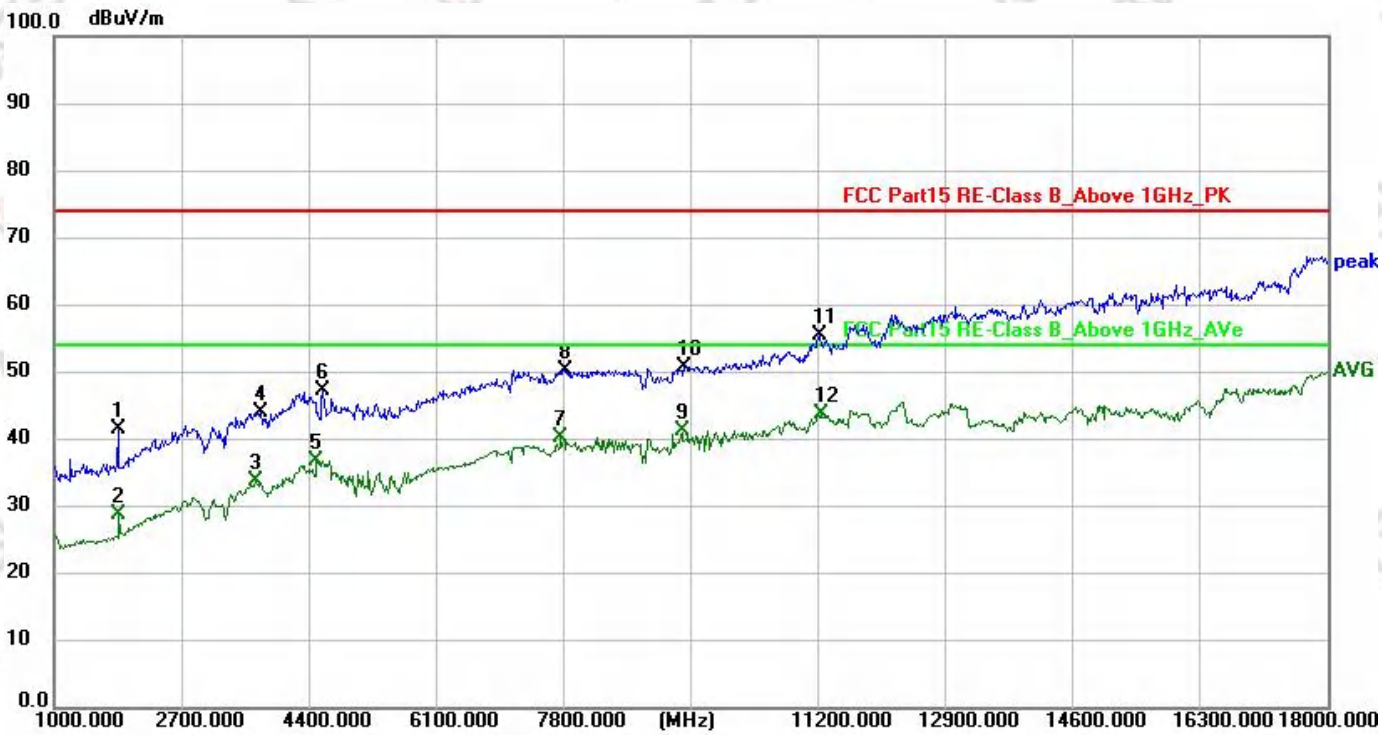
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Factor (dB)	Pol.
Peak:								
1	30.5304	30.54	40.00	9.46	68	200	-23.11	V
2	34.6385	30.31	40.00	9.69	97	200	-24.98	V
3	42.0065	30.22	40.00	9.78	28	200	-25.70	V
4	60.0690	29.90	40.00	10.10	130	200	-28.66	V
5	66.2660	32.83	40.00	7.17	342	200	-27.86	V
6	101.6443	30.73	43.50	12.77	288	200	-27.12	V

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	2.4G WiFi & LTE		

Remark:

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

2.4G WiFi & LTE Horizontal



Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Det.	Pol.
1	1850.000	41.49	74.00	32.51	333	100	-17.81	Peak	H
2	1867.000	28.68	54.00	25.32	100	100	-17.75	Avg.	H
3	3686.000	33.68	54.00	20.32	212	100	-10.30	Avg.	H
4	3754.000	43.96	74.00	30.04	86	100	-9.83	Peak	H
5	4502.000	36.84	54.00	17.16	166	100	-7.00	Avg.	H
6	4587.000	47.25	74.00	26.75	330	100	-6.92	Peak	H
7	7766.000	40.21	54.00	13.79	289	100	1.29	Avg.	H
8	7834.000	50.17	74.00	23.83	18	100	1.43	Peak	H
9	9381.000	41.15	54.00	12.85	222	100	4.53	Avg.	H
10	9415.000	50.72	74.00	23.28	56	100	4.54	Peak	H
11	11217.000	55.55	74.00	18.45	178	100	8.20	Peak	H
12	11234.000	43.65	54.00	10.35	310	100	8.23	Avg.	H

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Vertical
Test Mode:	2.4G WiFi & LTE		

Remark:

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

2.4G WiFi & LTE Vertical

Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Det.	Pol.
1	2785.000	42.79	74.00	31.21	314	100	-12.86	Peak	V
2	2870.000	32.38	54.00	21.62	108	100	-12.47	Avg.	V
3	3686.000	32.65	54.00	21.35	199	100	-10.30	Avg.	V
4	3703.000	43.45	74.00	30.55	102	100	-10.17	Peak	V
5	4298.000	43.24	74.00	30.76	161	100	-7.70	Peak	V
6	4315.000	32.47	54.00	21.53	287	100	-7.61	Avg.	V
7	4893.000	32.47	54.00	21.53	331	100	-6.30	Avg.	V
8	5097.000	43.75	74.00	30.25	189	100	-5.46	Peak	V
9	6032.000	31.56	54.00	22.44	256	100	-3.12	Avg.	V
10	6083.000	42.93	74.00	31.07	241	100	-2.99	Peak	V
11	8225.000	45.47	74.00	28.53	178	100	2.25	Peak	V
12	8225.000	34.47	54.00	19.53	310	100	2.25	Avg.	V

3.5.4.4. For above 18GHz

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	--
Test Mode:	TX Mode		

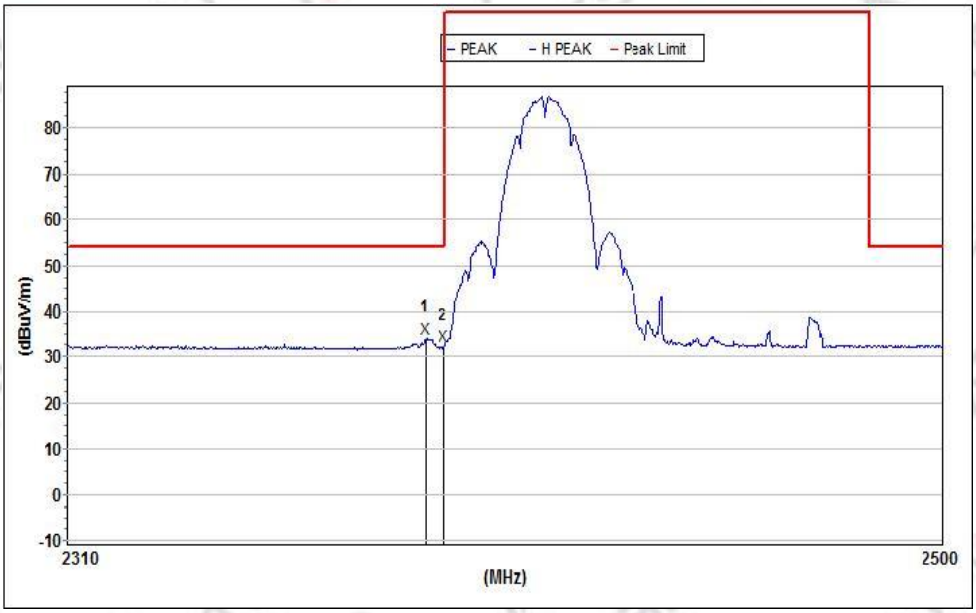
Note:

Other 18G-25G Emission detected are more than 20dB below the limit.

3.5.4.5. For above Restricted Band

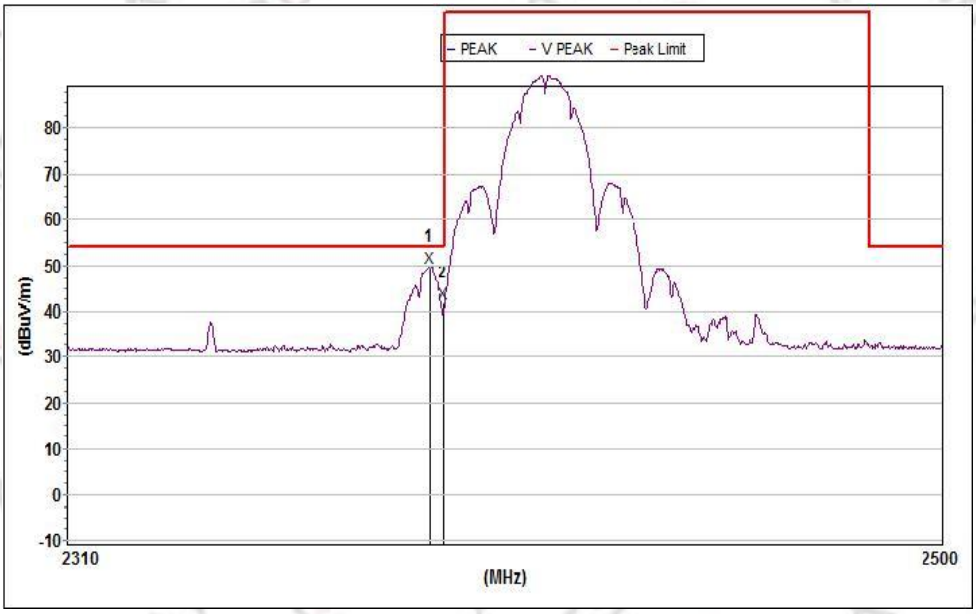
802.11b-Low

Mode 1 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2385.899486	34.0	54.0	20.0	27.4	56.8	6.8	H
2	2390.000000	32.4	54.0	21.6	27.4	56.9	6.8	H

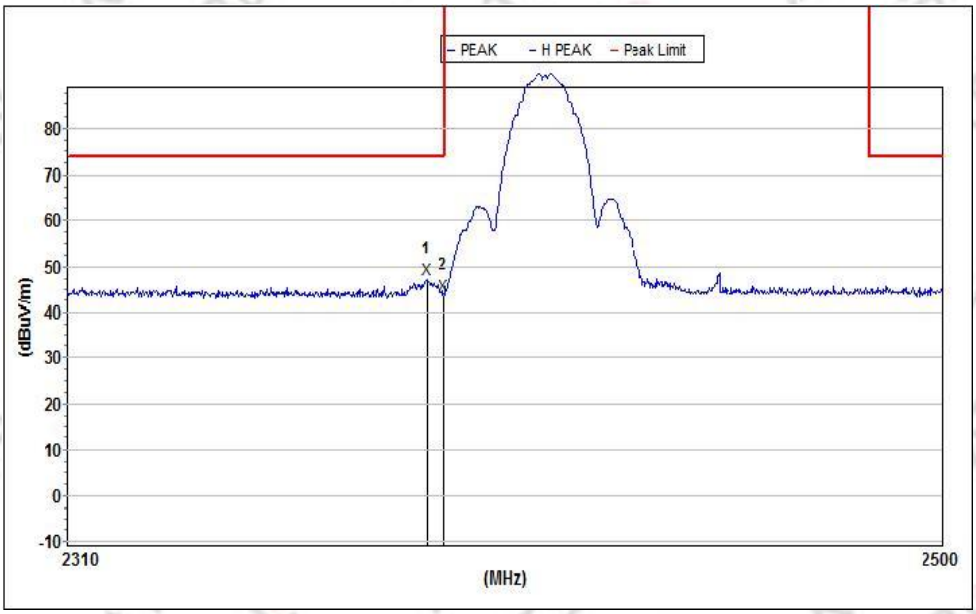
Mode 1 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2386.653962	49.5	54.0	4.5	27.0	56.8	6.8	V
2	2390.000000	41.6	54.0	12.4	27.1	56.9	6.8	V

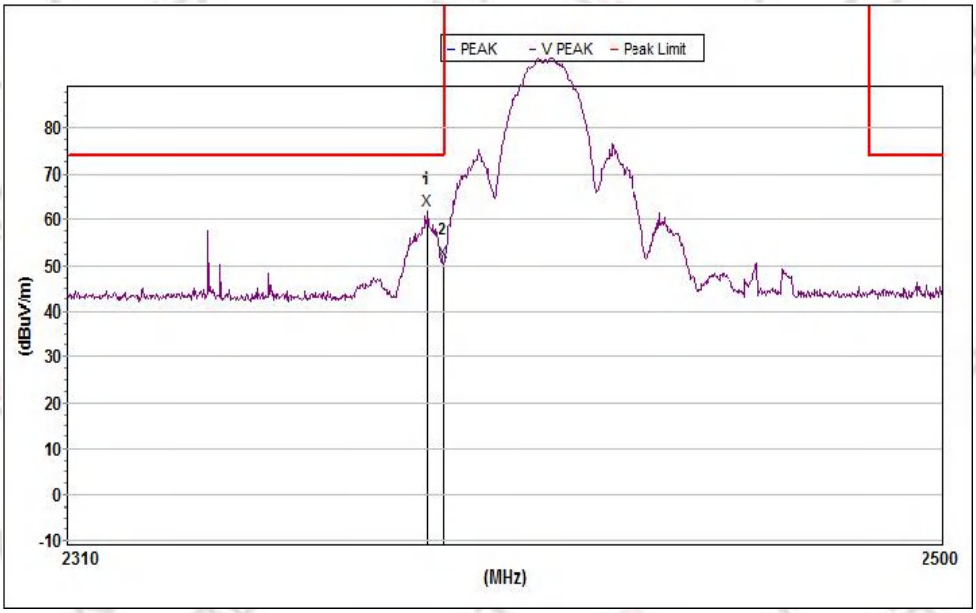
802.11b-Low

Mode 1 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2386.088083	47.1	74.0	26.9	27.4	56.8	6.8	H
2	2390.000000	43.7	74.0	30.3	27.4	56.9	6.8	H

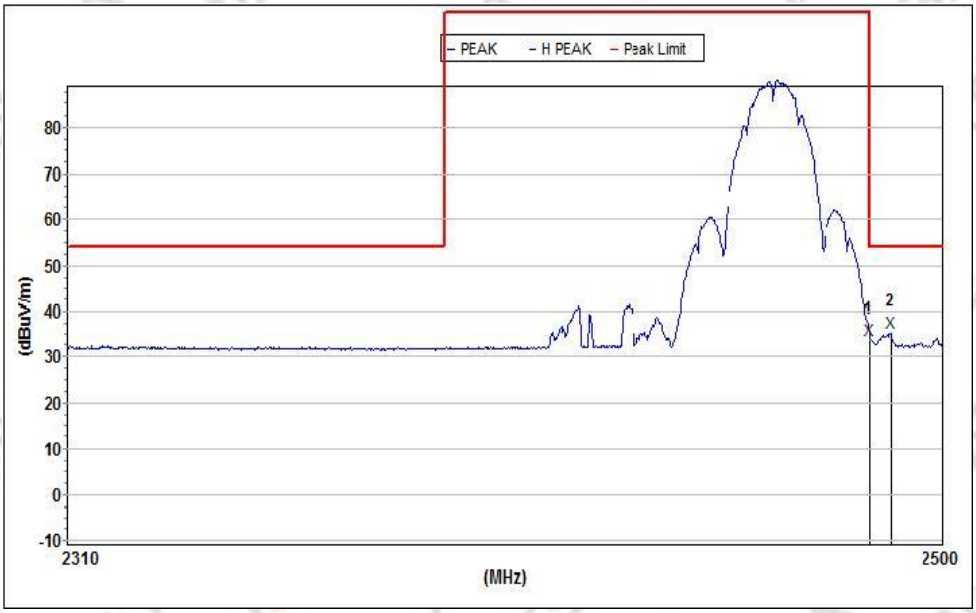
Mode 1 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2386.276694	61.9	74.0	12.1	27.0	56.8	6.8	V
2	2390.000000	50.9	74.0	23.1	27.1	56.9	6.8	V

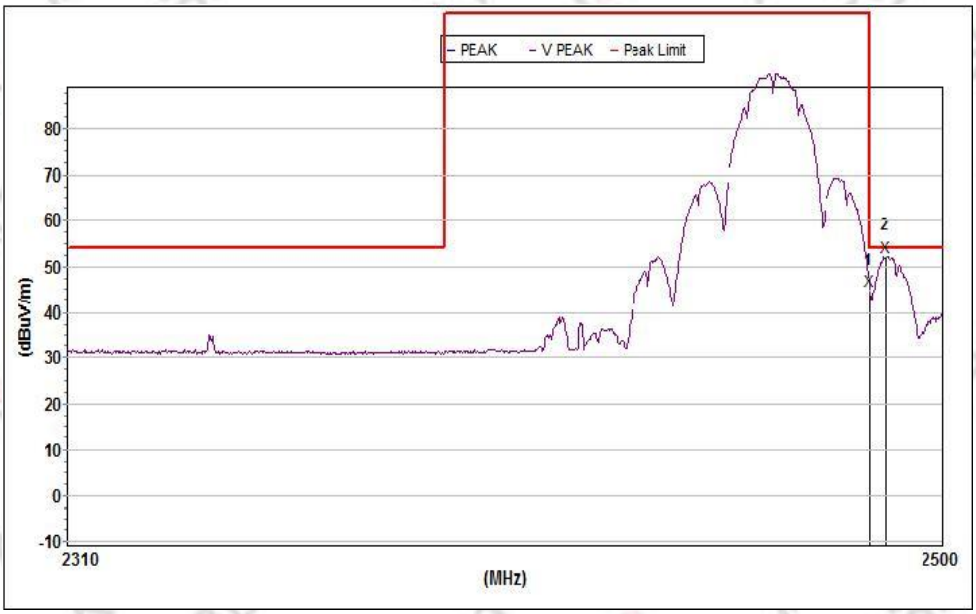
802.11b-High

Mode 3 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	33.6	54.0	20.4	27.6	57.1	6.9	H
2	2488.171590	35.4	54.0	18.6	27.6	57.1	6.9	H

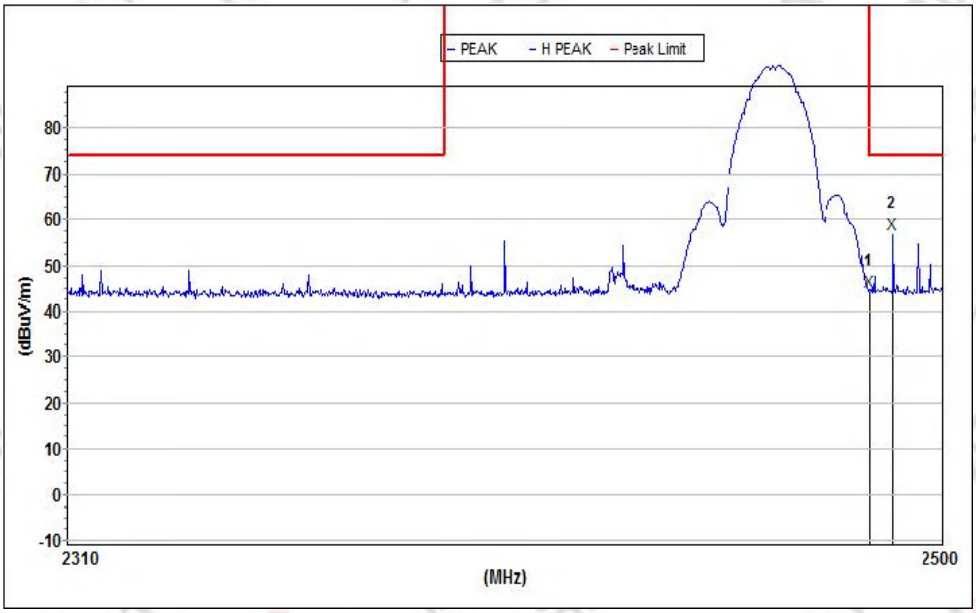
Mode 3 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	44.7	54.0	9.3	27.4	57.1	6.9	V
2	2487.188419	52.1	54.0	1.9	27.4	57.1	6.9	V

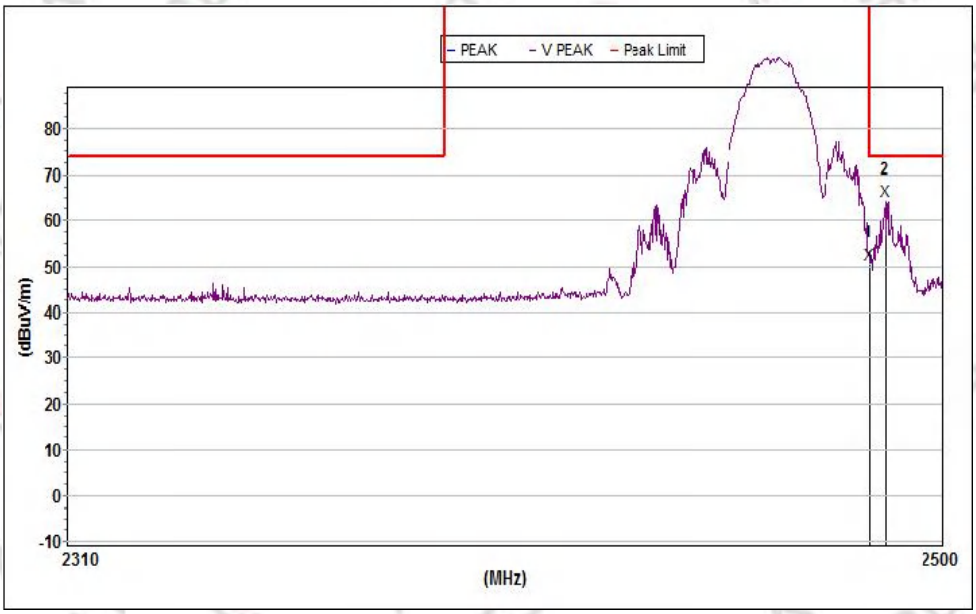
802.11b-High

Mode 3 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	44.1	74.0	29.9	27.6	57.1	6.9	H
2	2488.761679	56.7	74.0	17.3	27.6	57.1	6.9	H

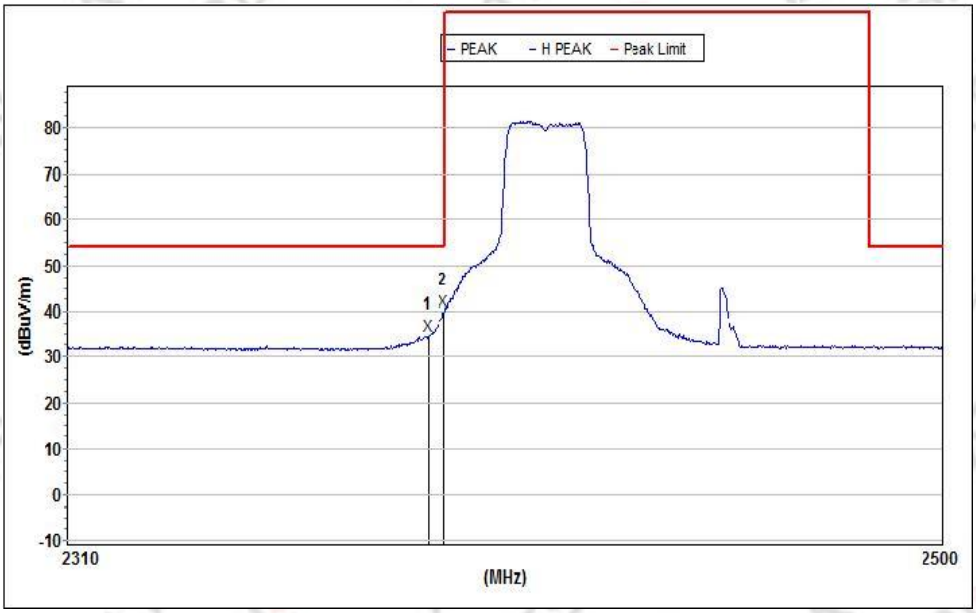
Mode 3 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	50.5	74.0	23.5	27.4	57.1	6.9	V
2	2486.991831	64.4	74.0	9.6	27.4	57.1	6.9	V

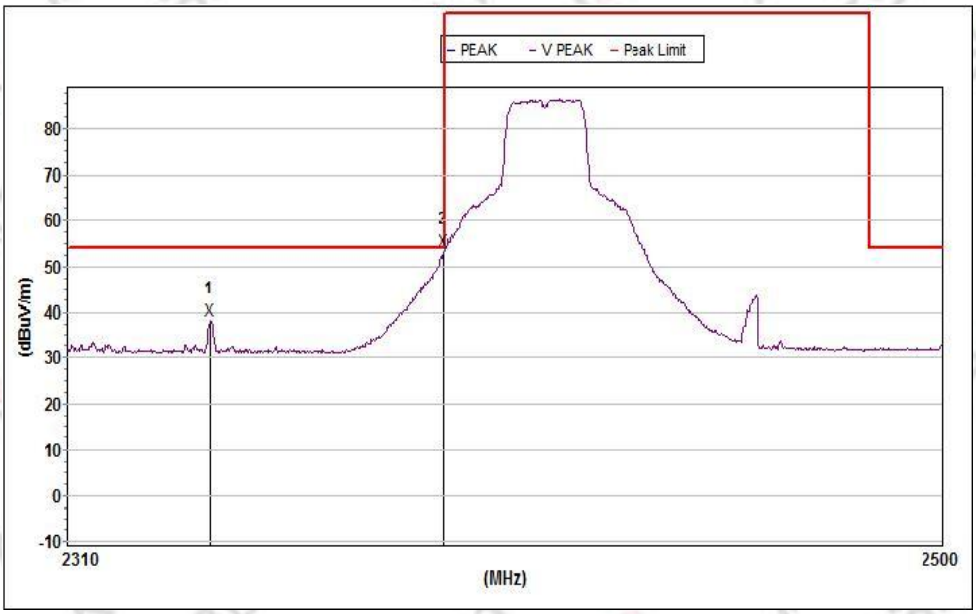
802.11g-Low

Mode 4 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2386.465321	34.6	54.0	19.4	27.4	56.8	6.8	H
2	2390.000000	40.1	54.0	13.9	27.4	56.9	6.8	H

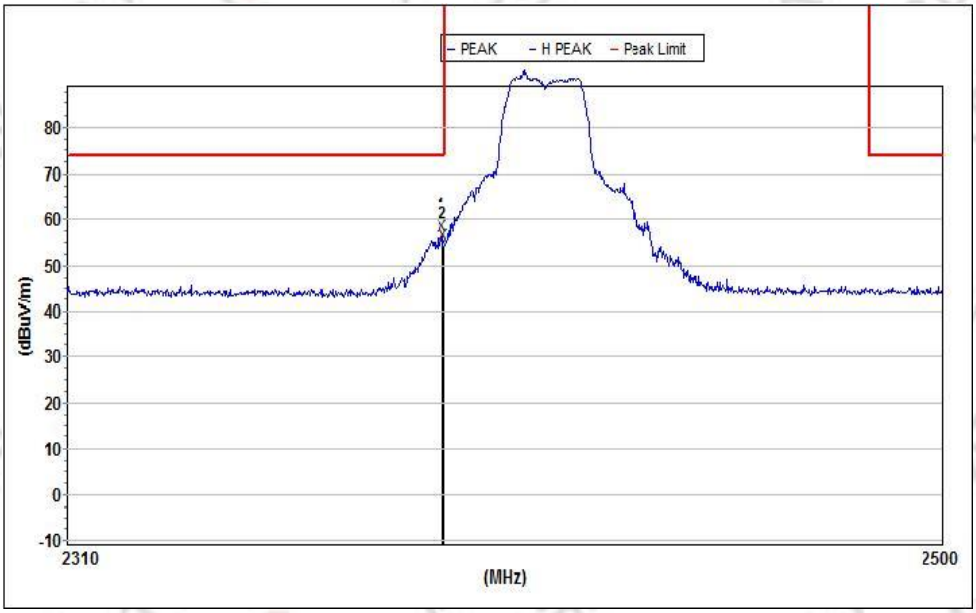
Mode 4 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2339.954693	38.3	54.0	15.7	26.8	56.7	6.7	V
2	2390.000000	53.6	54.0	0.4	27.1	56.9	6.8	V

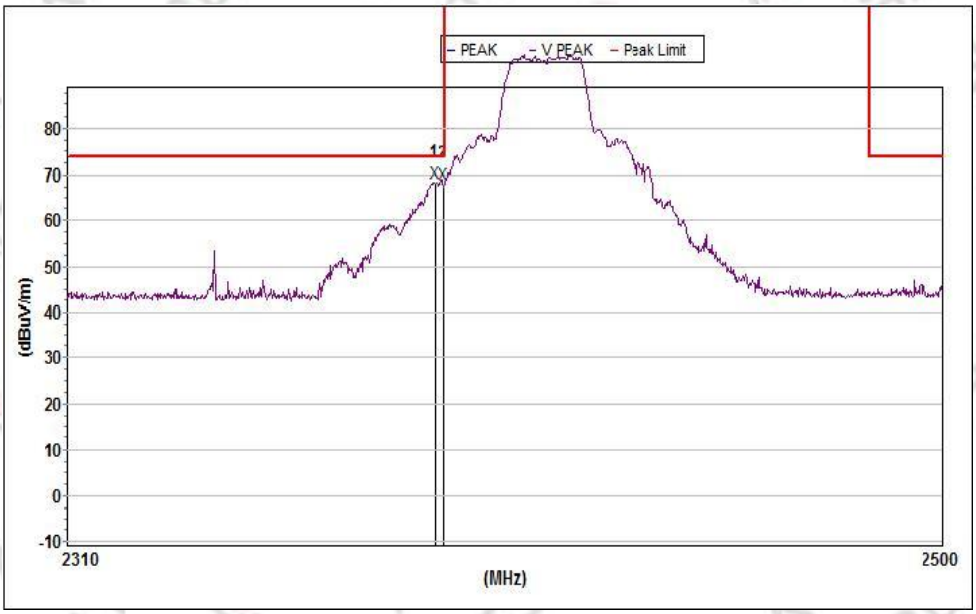
802.11g-Low

Mode 4 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2389.485372	56.5	74.0	17.5	27.4	56.9	6.8	H
2	2390.000000	54.5	74.0	19.5	27.4	56.9	6.8	H

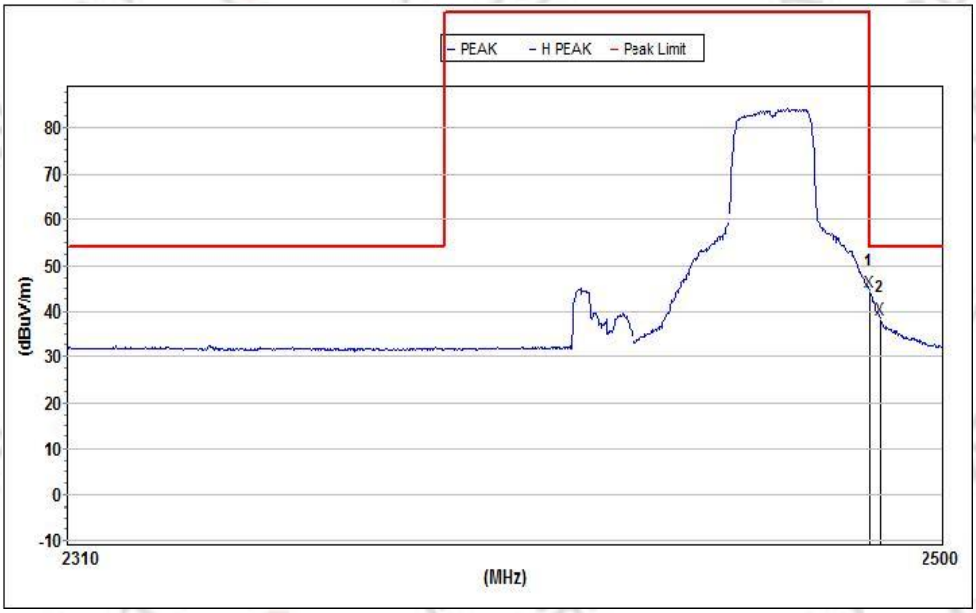
Mode 4 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2387.974869	68.4	74.0	5.6	27.0	56.9	6.8	V
2	2390.000000	68.1	74.0	5.9	27.1	56.9	6.8	V

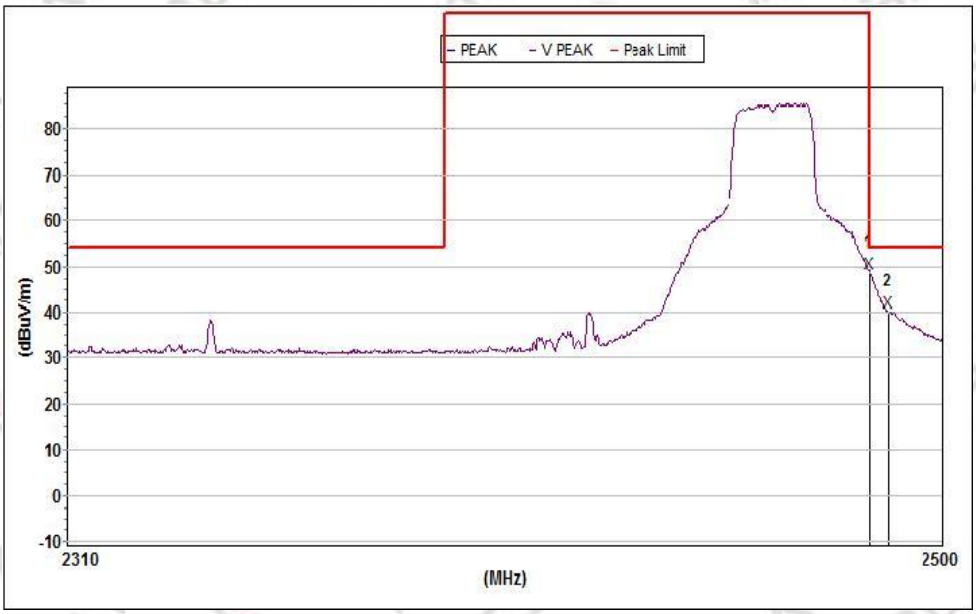
802.11g-High

Mode 6 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	44.2	54.0	9.8	27.6	57.1	6.9	H
2	2486.009126	38.4	54.0	15.6	27.6	57.1	6.9	H

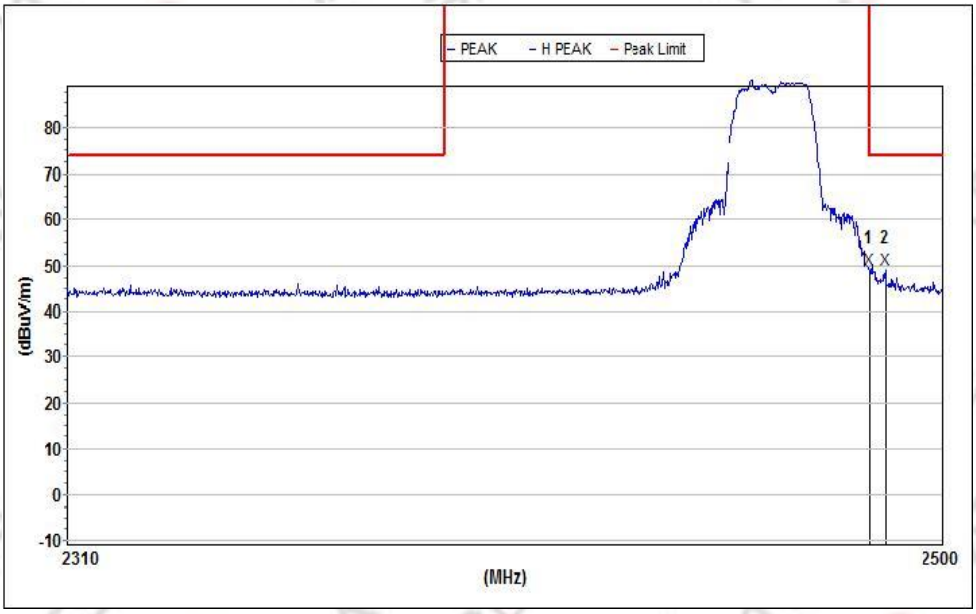
Mode 6 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	48.7	54.0	5.3	27.4	57.1	6.9	V
2	2487.581641	40.1	54.0	13.9	27.4	57.1	6.9	V

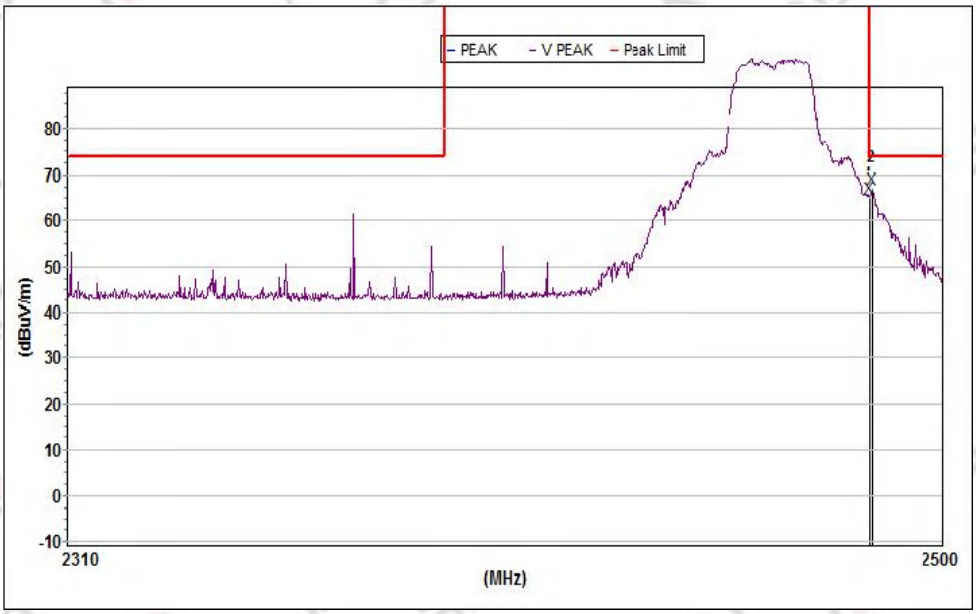
802.11g-High

Mode 6 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	49.1	74.0	24.9	27.6	57.1	6.9	H
2	2486.991831	49.1	74.0	24.9	27.6	57.1	6.9	H

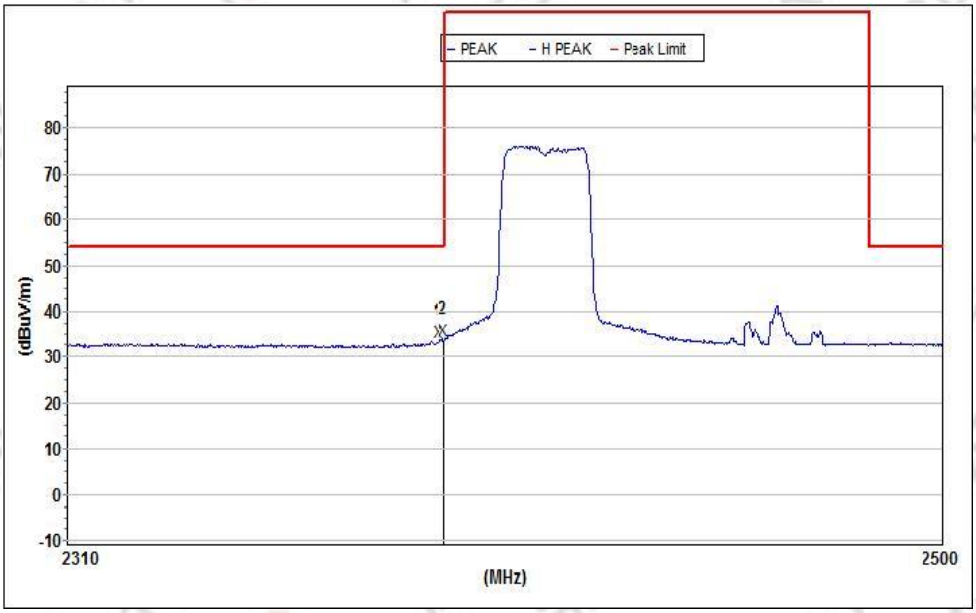
Mode 6 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	64.9	74.0	9.1	27.4	57.1	6.9	V
2	2484.044881	66.8	74.0	7.2	27.4	57.1	6.9	V

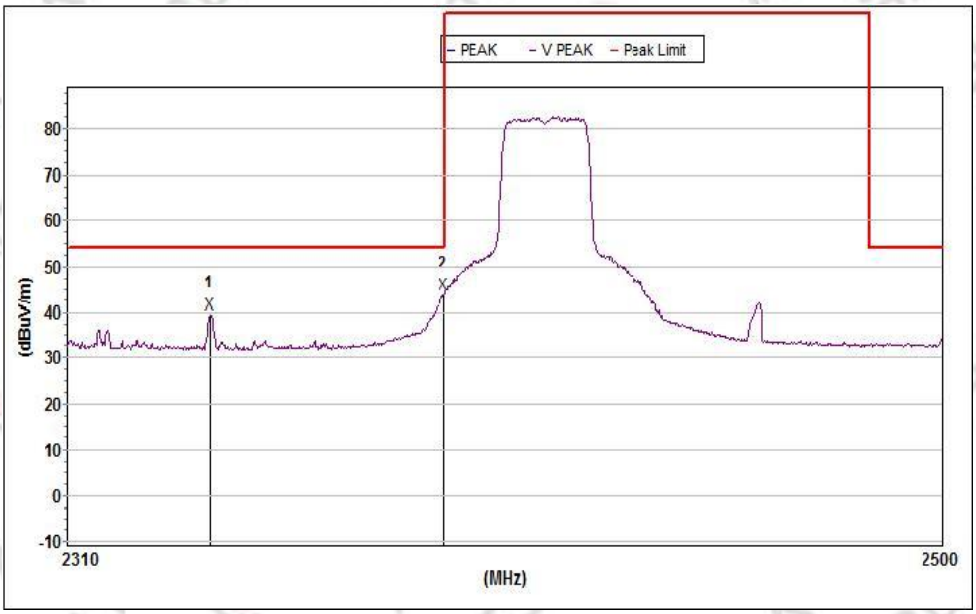
802.11n20-Low

Mode 7 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2388.730001	33.5	54.0	20.5	27.4	56.9	6.8	H
2	2390.000000	33.9	54.0	20.1	27.4	56.9	6.8	H

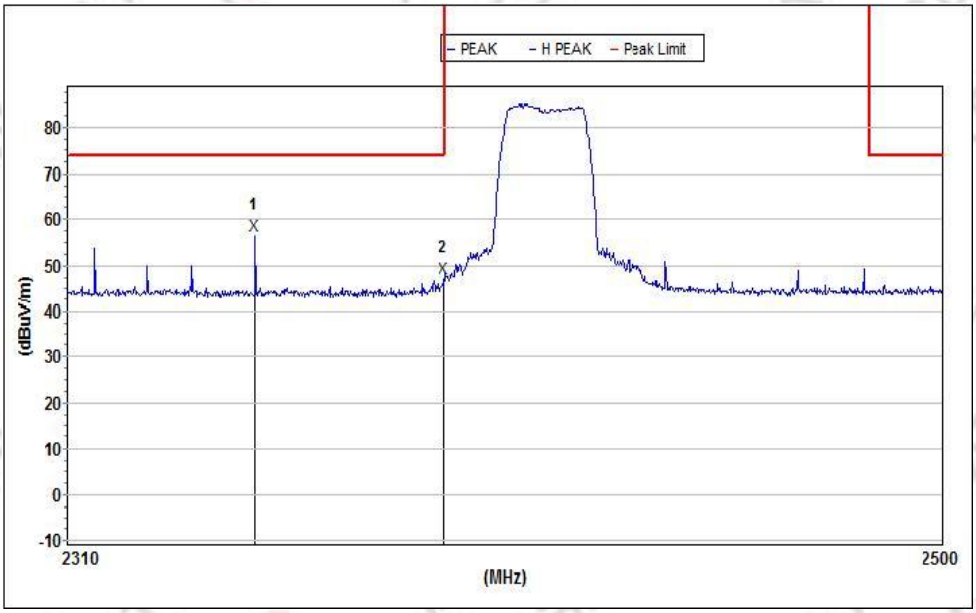
Mode 7 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2339.954693	39.5	54.0	14.5	26.8	56.7	6.7	V
2	2390.000000	43.8	54.0	10.2	27.1	56.9	6.8	V

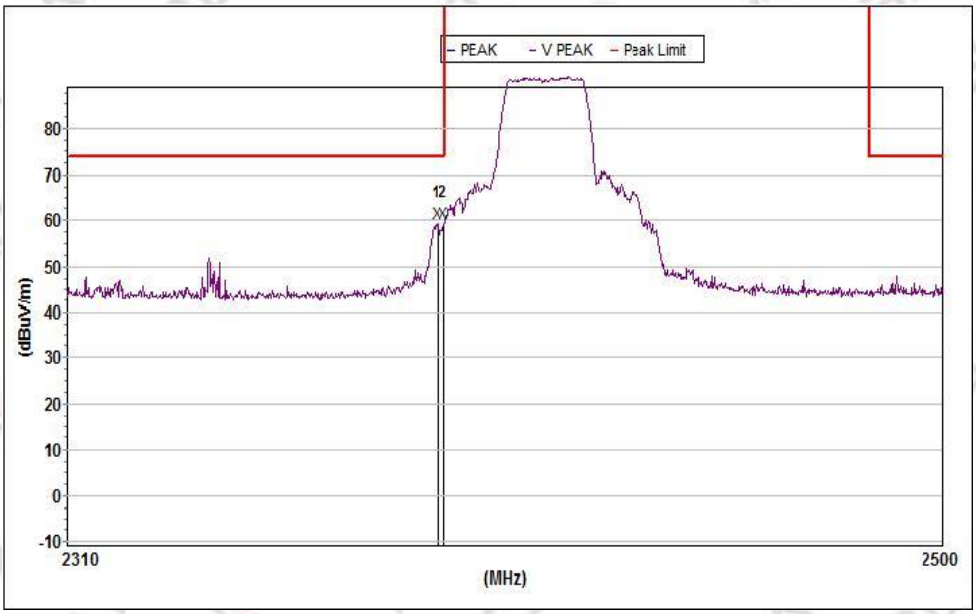
802.11n20-Low

Mode 7 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2349.592277	56.5	74.0	17.5	27.2	56.7	6.7	H
2	2390.000000	47.1	74.0	26.9	27.4	56.9	6.8	H

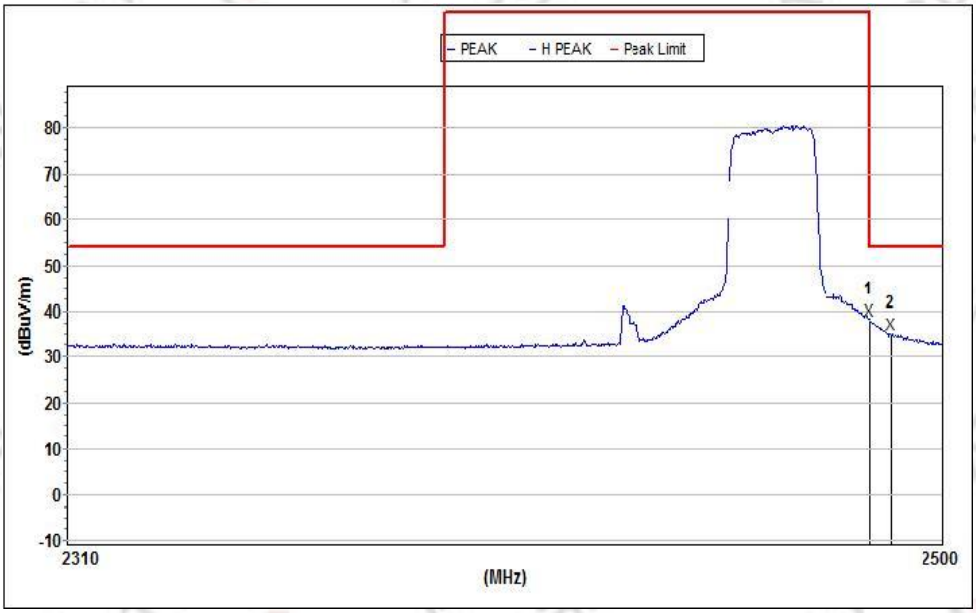
Mode 7 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2388.352405	59.4	74.0	14.6	27.0	56.9	6.8	V
2	2390.000000	59.3	74.0	14.7	27.1	56.9	6.8	V

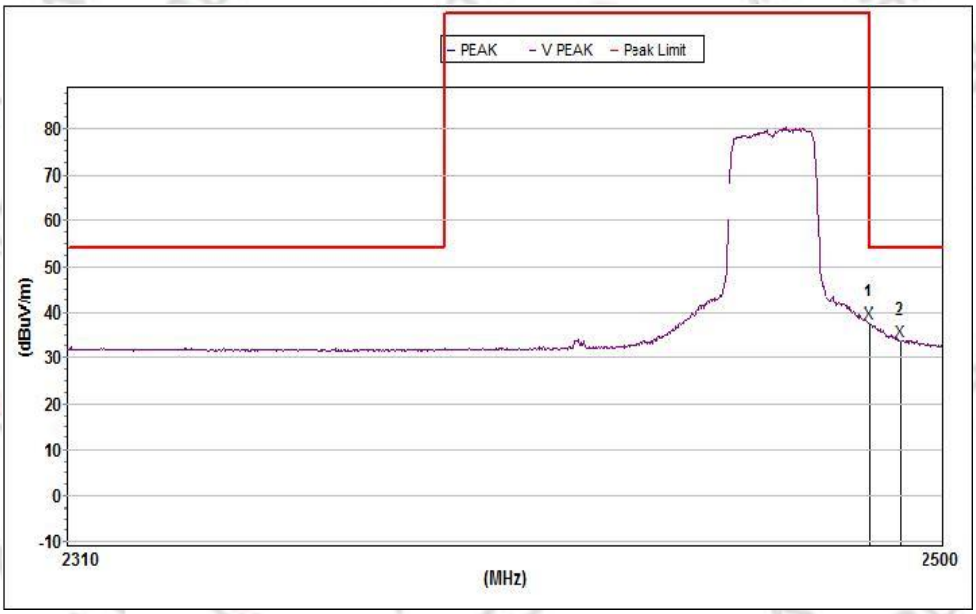
802.11n20-High

Mode 9 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	38.1	54.0	15.9	27.6	57.1	6.9	H
2	2488.368271	35.1	54.0	18.9	27.6	57.1	6.9	H

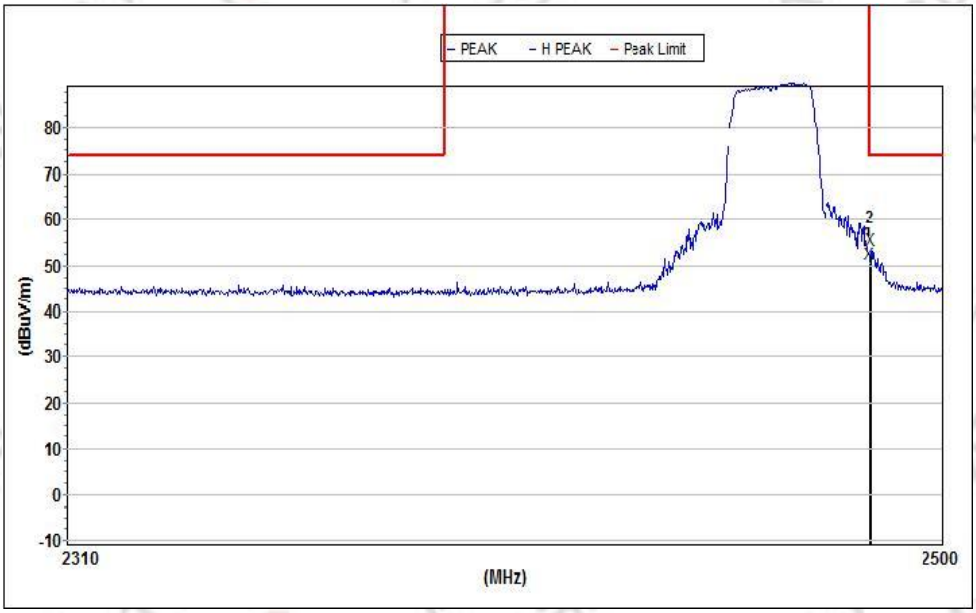
Mode 9 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	37.6	54.0	16.4	27.4	57.1	6.9	V
2	2490.532786	33.9	54.0	20.1	27.4	57.1	6.9	V

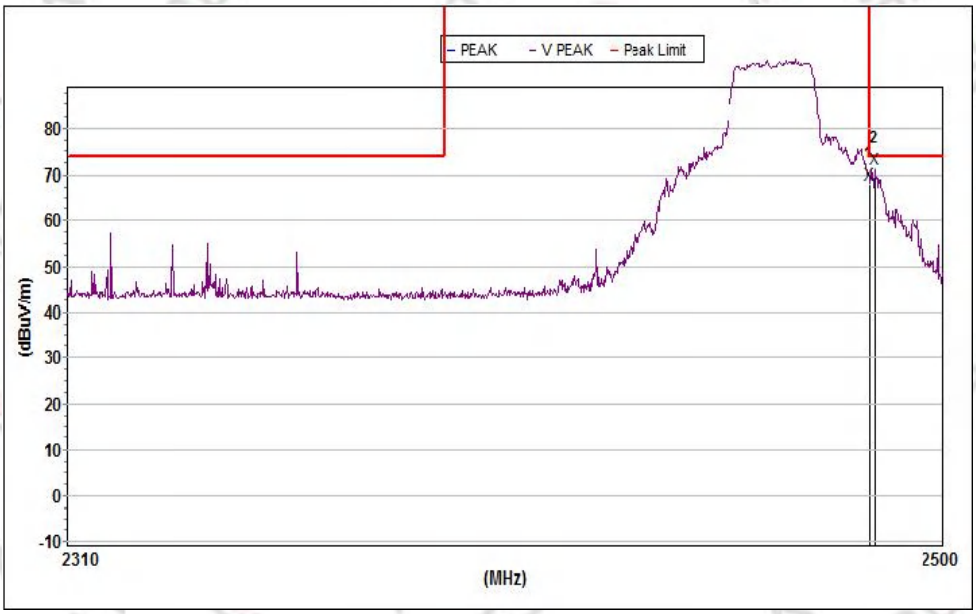
802.11n20-High

Mode 9 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	50.4	74.0	23.6	27.6	57.1	6.9	H
2	2483.848542	53.6	74.0	20.4	27.6	57.1	6.9	H

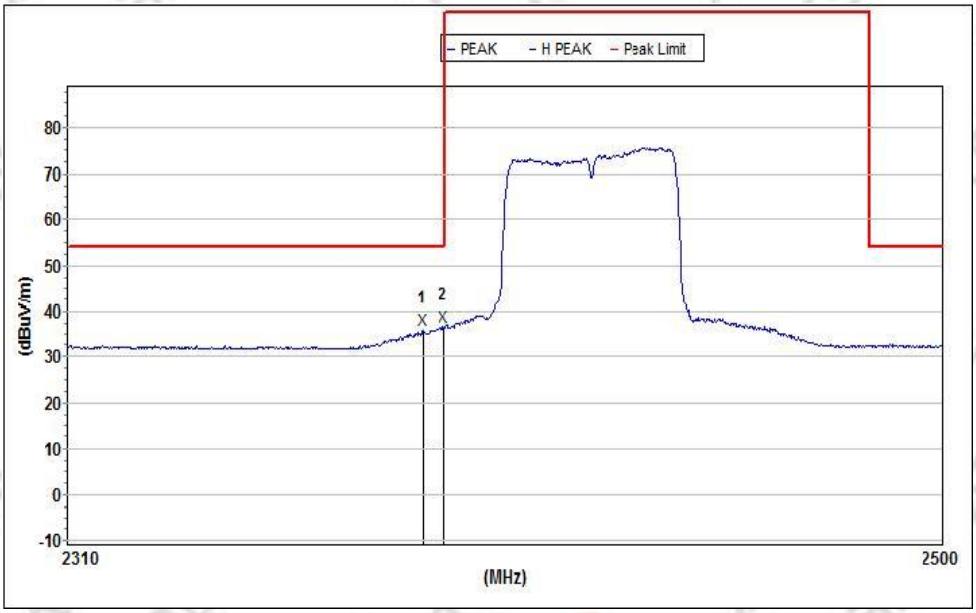
Mode 9 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	68.1	74.0	5.9	27.4	57.1	6.9	V
2	2484.633992	71.1	74.0	2.9	27.4	57.1	6.9	V

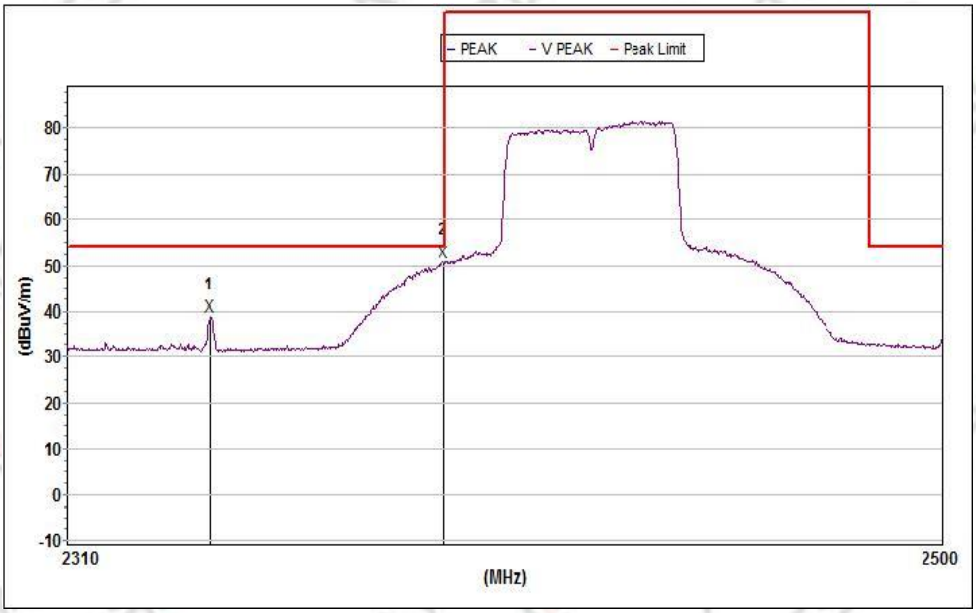
802.11n40-Low

Mode 10 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2385.333786	36.0	54.0	18.0	27.4	56.8	6.8	H
2	2390.000000	36.7	54.0	17.3	27.4	56.9	6.8	H

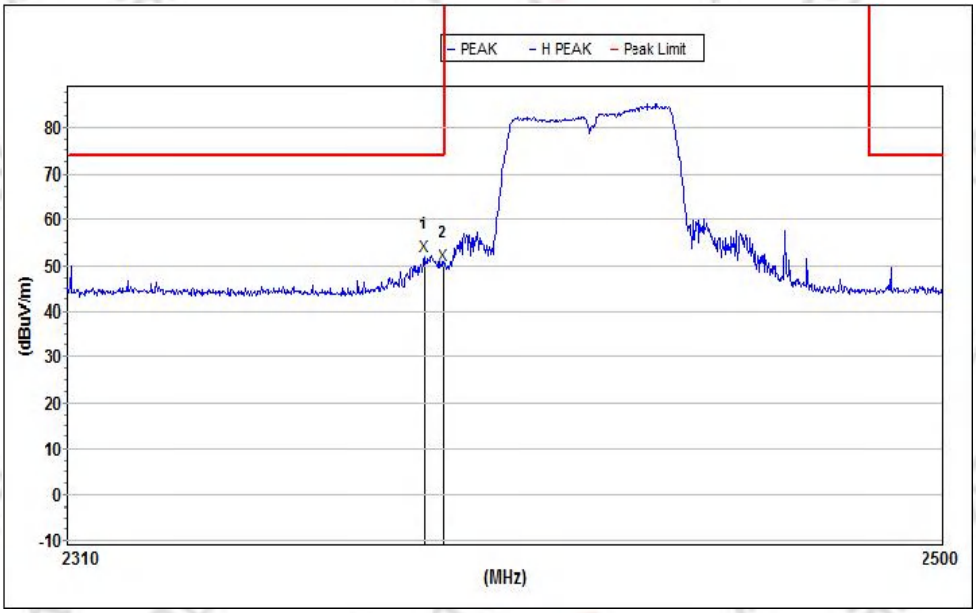
Mode 10 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2339.954693	39.1	54.0	14.9	26.8	56.7	6.7	V
2	2390.000000	50.7	54.0	3.3	27.1	56.9	6.8	V

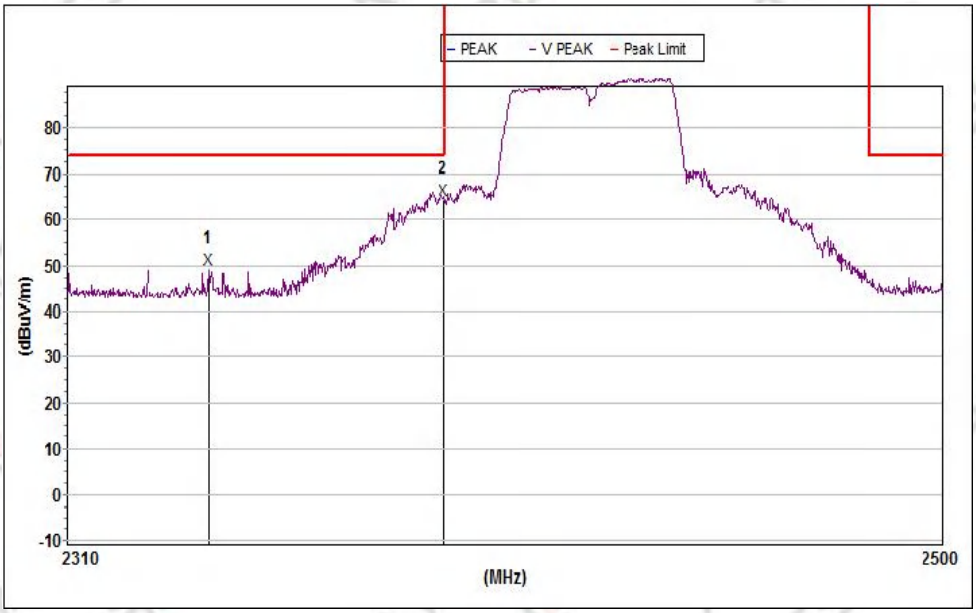
802.11n40-Low

Mode 10 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2385.522338	52.1	74.0	21.9	27.4	56.8	6.8	H
2	2390.000000	50.2	74.0	23.8	27.4	56.9	6.8	H

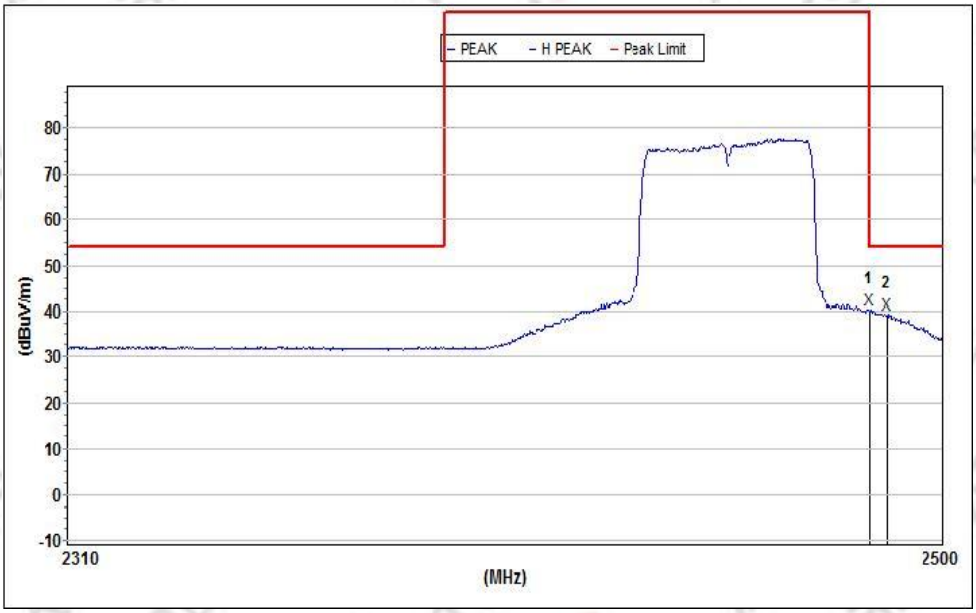
Mode 10 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2339.584807	49.1	74.0	24.9	26.8	56.7	6.7	V
2	2390.000000	64.3	74.0	9.7	27.1	56.9	6.8	V

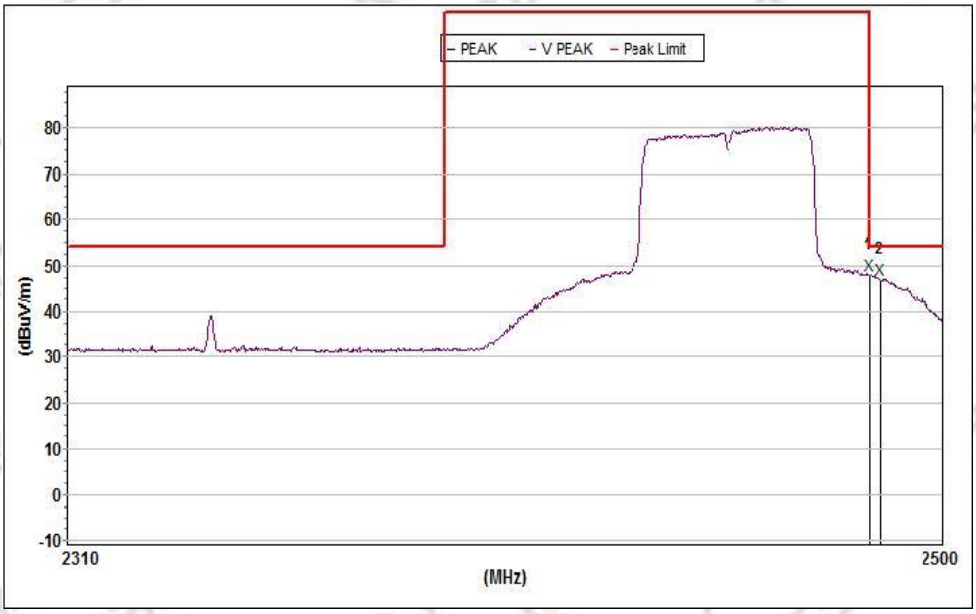
802.11n40-High

Mode 12 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	40.2	54.0	13.8	27.6	57.1	6.9	H
2	2487.385022	39.4	54.0	14.6	27.6	57.1	6.9	H

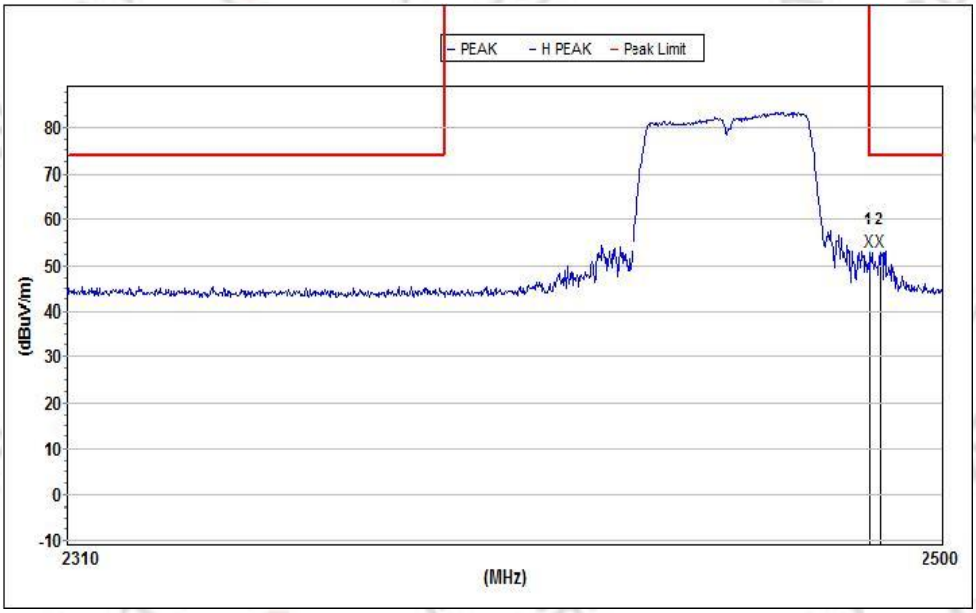
Mode 12 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
AVG								
1	2483.501000	48.0	54.0	6.0	27.4	57.1	6.9	V
2	2485.812632	47.0	54.0	7.0	27.4	57.1	6.9	V

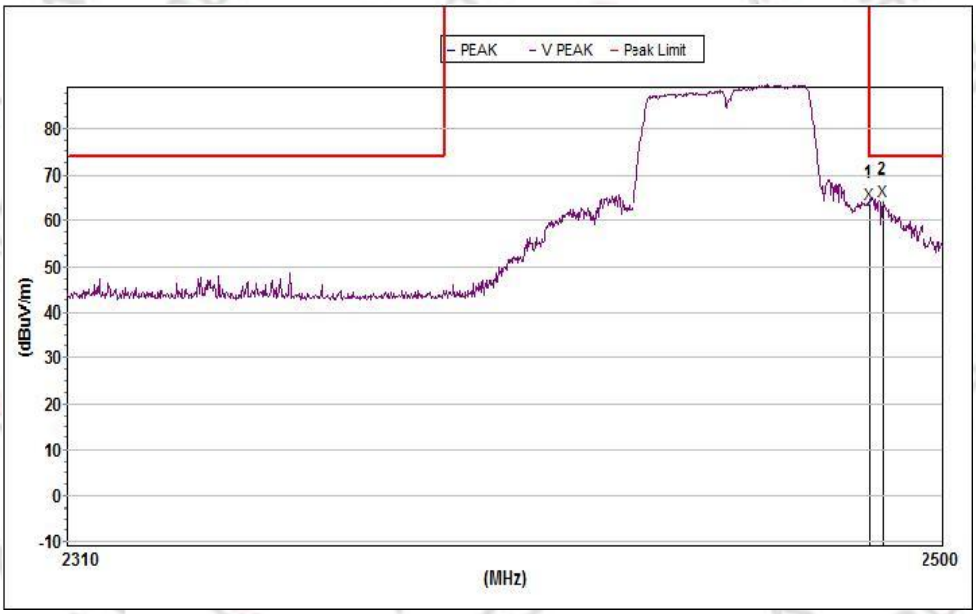
802.11n40-High

Mode 12 Horizontal



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	53.1	74.0	20.9	27.6	57.1	6.9	H
2	2486.009126	53.2	74.0	20.8	27.6	57.1	6.9	H

Mode 12 Vertical



Mk.	Frequency	Level	Limit	Margin	Ant.F/G.	Amp.G.	Cbl.L.	Pol.
	(MHz)	(dBuV/m)	(dBuV/m)	(dB)	(dB/m)	(dB)	(dB)	
Peak								
1	2483.501000	63.6	74.0	10.4	27.4	57.1	6.9	V
2	2486.402162	64.3	74.0	9.7	27.4	57.1	6.9	V

※※※※※END OF APPENDIX B※※※※※

Appendix C _ AC Power-Line Conducted Emission Test Data

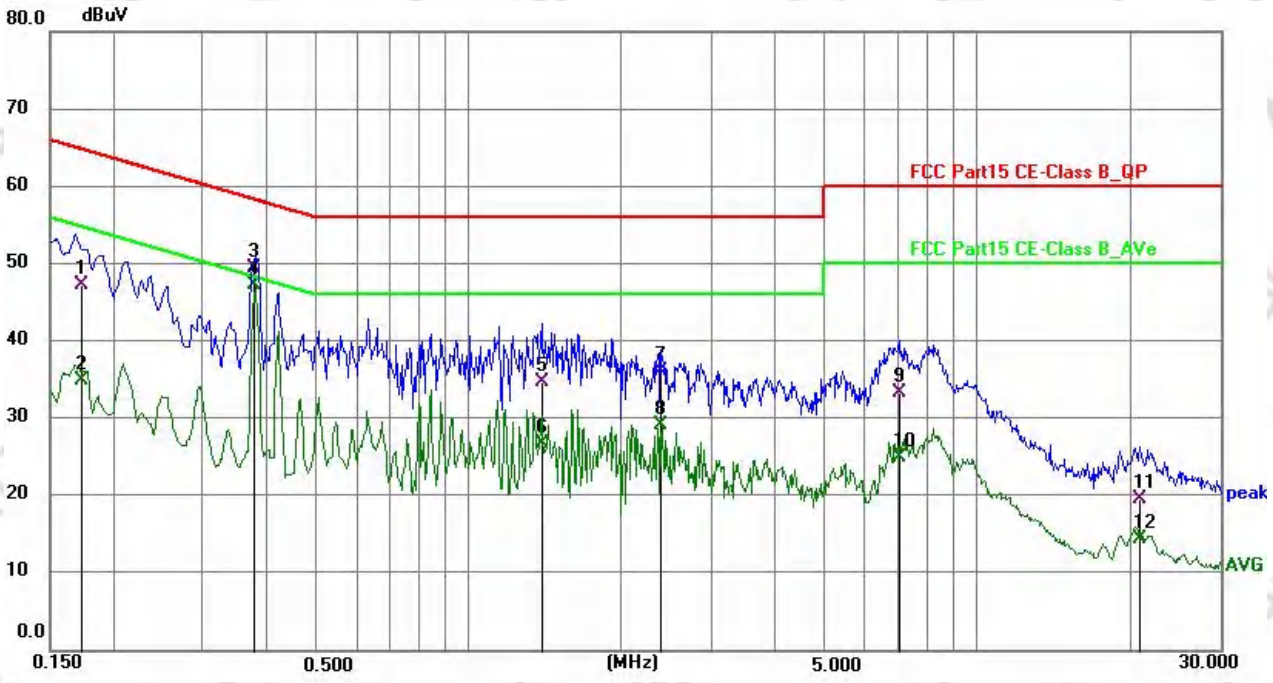
3.6.4. Test Result of AC Power-Line Conducted Emission

Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 13		

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1735	37.46	9.86	47.32	64.79	-17.47	QP
2	0.1735	25.14	9.86	35.00	54.79	-19.79	AVG
3	0.3775	39.68	9.83	49.51	58.33	-8.82	QP
4	0.3775	37.45	9.83	47.28	48.33	-1.05	AVG
5	1.4098	24.84	9.95	34.79	56.00	-21.21	QP
6	1.4098	16.91	9.95	26.86	46.00	-19.14	AVG
7	2.3963	26.15	9.99	36.14	56.00	-19.86	QP
8	2.3963	19.07	9.99	29.06	46.00	-16.94	AVG
9	7.0211	23.17	10.10	33.27	60.00	-26.73	QP
10	7.0211	14.95	10.10	25.05	50.00	-24.95	AVG
11	20.8234	9.10	10.56	19.66	60.00	-40.34	QP
12	20.8234	3.88	10.56	14.44	50.00	-35.56	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)

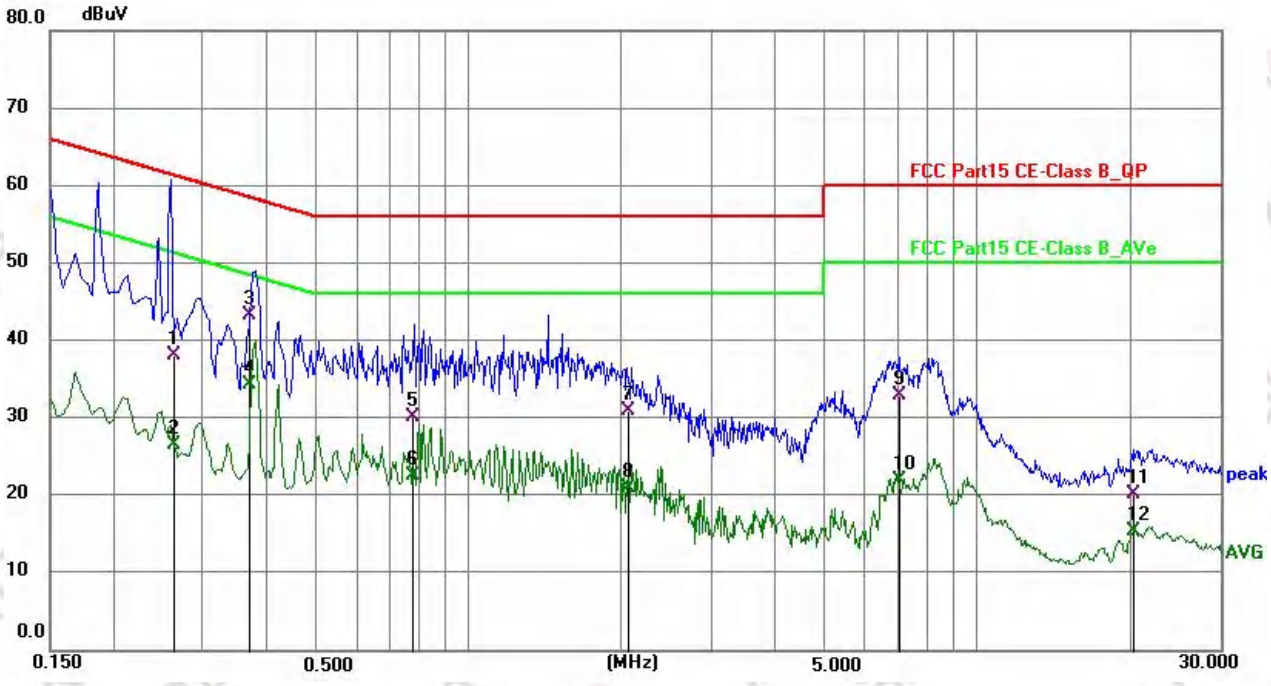


Temperature:	23.4℃	Relative Humidity:	55%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 13		

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2625	28.24	9.79	38.03	61.35	-23.32	QP
2	0.2625	16.70	9.79	26.49	51.35	-24.86	AVG
3	0.3722	33.56	9.77	43.33	58.45	-15.12	QP
4	0.3722	24.62	9.77	34.39	48.45	-14.06	AVG
5	0.7774	20.28	9.78	30.06	56.00	-25.94	QP
6	0.7774	12.80	9.78	22.58	46.00	-23.42	AVG
7	2.0649	21.09	9.90	30.99	56.00	-25.01	QP
8	2.0649	11.18	9.90	21.08	46.00	-24.92	AVG
9	7.0067	22.83	10.01	32.84	60.00	-27.16	QP
10	7.0067	11.90	10.01	21.91	50.00	-28.09	AVG
11	20.3730	9.72	10.56	20.28	60.00	-39.72	QP
12	20.3730	4.92	10.56	15.48	50.00	-34.52	AVG

Remark:

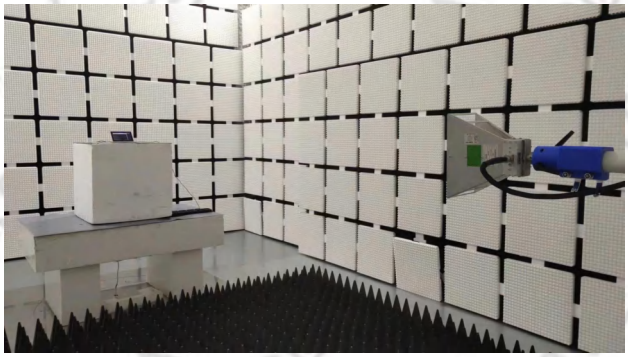
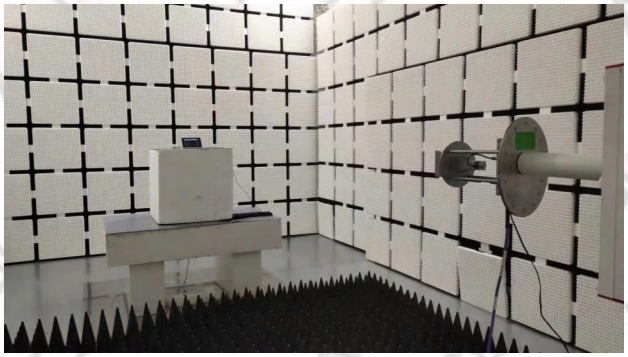
1. All readings are Quasi-Peak and Average values.
2. Margin = Result (Result =Reading + Factor)–Limit.
3. Factor=LISN factor+Cable loss+Limiter (10dB)



※※※※※END OF APPENDIX C※※※※※

Appendix D _ Test Setup

4. TEST SETUP PHOTOGRAPHS

Radiated Emissions for 30MHz~1GHz	Radiated Emissions for 1GHz~18GHz
	
Radiated Emissions for 9kHz~30MHz	Conducted for RF
	
Radiated Emissions for above 18GHz	AC Power Line Conducted Emissions
	

※※※※※END OF APPENDIX D※※※※※