

TEST REPORT

Report No.: SHATBL2302023W01

Applicant : DZS Inc.

Product Name : Optical Network Terminal (ONT)

Brand Name : DZS

Model Name : 5266XG

FCC ID : PJZ5266XG

Test Standard : FCC Part 15.247

Date of Test : 2023.02.28-2023.04.01

Report Prepared by :

Chris Xu
(Chris Xu)

Report Approved by :

Ghost Li
(Ghost Li)

Authorized Signatory :

Terry Yang
(Terry Yang)



TEST RESULT CERTIFICATION

Applicant's Name.....: DZS Inc.
Address.....: 5700 Tennyson Parkway Suite 400 Plano Texas United States
Manufacturer's Name.....: TDG Technology Co., Ltd.
Address.....: No.1 Yatai Road, Jiaxing City, Zhejiang Province, P.R. China
Product Description
Product Name.....: Optical Network Terminal (ONT)
Brand Name.....: DZS
Model Name.....: 5266XG
Series Model.....: N/A
Test Standards.....: FCC Part15.247
Test Procedure.....: ANSI C63.10-2013

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

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Date of Test

Date of receipt of test item.....: 2023.02.27
Date (s) of performance of tests.....: 2023.02.28-2023.04.01
Date of Issue.....: 2023.04.05
Test Result.....: Pass

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Revision History

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
SHATBL2302023W01	Rev. 01	Initial issue of report	Apr. 05, 2023

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

KDB 558074 D01 15.247 Meas Guidance v05r02.

FCC Part 15.247			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.247 (a)(2)	6dB&99% Bandwidth	PASS	--
15.247 (b)(3)	Output Power	PASS	--
15.247(d) & 15.209 & 15.205	Radiated Spurious Emission	PASS	--
§15.247(d) & 15.205	Conducted Spurious & Band Edge Emission	PASS	--
15.247 (e)	Power Spectral Density	PASS	--
15.205	Restricted bands of operation	PASS	--
15.203	Antenna Requirement	PASS	--

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report.

(2) All tests are according to ANSI C63.10-2013.

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Optical Network Terminal (ONT)	
Trade Name	DZS	
Model Name	5266XG	
Series Model	N/A	
Model Difference	N/A	
Product Description	The EUT is a Optical Network Terminal (ONT)	
	Operation Frequency:	802.11b/g/n/ac/ax(20MHz): 2412~2462MHz 802.11n/ac/ax(40MHz):2422~2452MHz
	Modulation Type:	802.11b: DBPSK, DQPSK, CCK 802.11g: BPSK,QPSK,16/64-QAM 802.11n: BPSK,QPSK,16/64-QAM 802.11ac:BPSK,QPSK,16/64/256-QAM 802.11ax:BPSK,QPSK,16/64/256/1024-QAM
	Antenna Type:	2x2 internal antenna
	Antenna Gain (dBi):	Ant. 0: 4.57dBi; Ant. 1: 4.17dBi
	Based on the application, features, or specification exhibited in User Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification,please refer to the User Manual.	
Channel List	Please refer to the Note 2.	
Adapter	Model1: RD1202000-C55-154MG Brand: RUIDE Input: 100-240V AC · 50/60Hz,1.0A MAX Output:DC12V 2A Model2: TPA289-24120-US Brand:TOPOW Input: 100-240V AC · 50/60Hz,0.7A Output:DC 12 V, 2A	
Battery	N/A	
Hardware version number	V1.0	
Software version number	7.0.022	
Connecting I/O Port(s)	Please refer to the User's Manual	

Note:

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

2.

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

REMARK:

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/ax/ac(HT20)		For 802.11n/ax/ac (HT40)	
Channel	Freq.(MHz)	Channel	Freq.(MHz)
01	2412	03	2422
06	2437	06	2437
11	2462	09	2452

3.

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	DG(dBi)	Note
0	N/A	N/A	2x2 internal antenna	N/A	4.57dBi	7.38dBi	WLAN ANT
1	N/A	N/A	2x2 internal antenna	N/A	4.17dBi		WLAN ANT

2.2 DESCRIPTION OF THE TEST MODES

Test Mode	Description	Data Rate
Mode 1	TX IEEE 802.11b CH1 MIMO	1 Mbps
Mode 2	TX IEEE 802.11b CH6 MIMO	1 Mbps
Mode 3	TX IEEE 802.11 b CH11 MIMO	1 Mbps
Mode 4	TX IEEE 802.11g CH1 MIMO	6 Mbps
Mode 5	TX IEEE 802.11g CH6 MIMO	6 Mbps
Mode 6	TX IEEE 802.11g CH11 MIMO	6 Mbps
Mode 7	TX IEEE 802.11n HT20 CH1 MIMO	MCS 0
Mode 8	TX IEEE 802.11n HT20 CH6 MIMO	MCS 0
Mode 9	TX IEEE 802.11n HT20 CH11 MIMO	MCS 0
Mode 10	TX IEEE 802.11n HT40 CH3 MIMO	MCS 0
Mode 11	TX IEEE 802.11n HT40 CH6 MIMO	MCS 0
Mode 12	TX IEEE 802.11n HT40 CH9 MIMO	MCS 0
Mode 13	TX IEEE 802.11ax HT20 CH1 MIMO	MCS 0
Mode 14	TX IEEE 802.11ax HT20 CH6 MIMO	MCS 0
Mode 15	TX IEEE 802.11ax HT20 CH11 MIMO	MCS 0
Mode 16	TX IEEE 802.11ax HT40 CH3 MIMO	MCS 0
Mode 17	TX IEEE 802.11ax HT40 CH6 MIMO	MCS 0
Mode 18	TX IEEE 802.11ax HT40 CH9 MIMO	MCS 0
Mode 19	TX IEEE 802.11ac HT20 CH1 MIMO	MCS 0
Mode 20	TX IEEE 802.11ac HT20 CH6 MIMO	MCS 0
Mode 21	TX IEEE 802.11ac HT20 CH11 MIMO	MCS 0
Mode 22	TX IEEE 802.11ac HT40 CH3 MIMO	MCS 0
Mode 23	TX IEEE 802.11ac HT40 CH6 MIMO	MCS 0
Mode24	TX IEEE 802.11ac HT40 CH9 MIMO	MCS 0

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

REMARKS:

- (1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
- (2) We have be tested for all available U.S. voltage and frequencies(For 120V,50/60Hz and 240V, 50/60Hz) for which the device is capable of operation, and the worst case of 120V/60Hz is shown in the report.

Conducted Emission

Test Mode	Description
Mode25	Keeping WIFI TX + WLAN Link (RD1202000-C55-154MG)
Mode26	Keeping WIFI TX + WLAN Link (TPA289-24120-US)

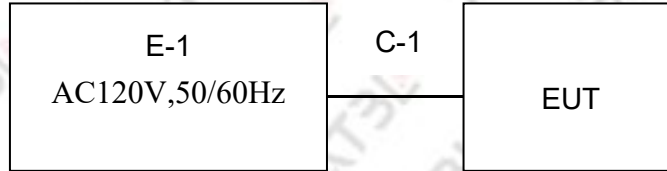
2.3 TEST SOFTWARE AND POWER LEVEL

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

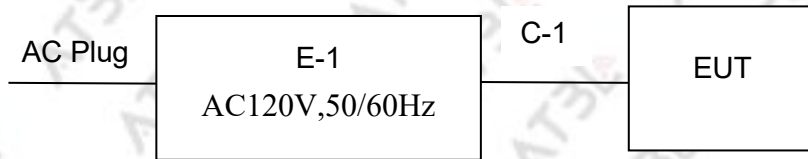
RF Function	Ant No.	Mode Or Modulation type	Ant Gain(dBi)	Power Class	Software For Testing
WIFI(2.4G)	0	802.11b/g/n20/n40/ax20/ax40/ac20/ac40	4.57	default	QRCT
WIFI(2.4G)	1	802.11b/g/n20/n40/ax20/ax40/ac20/ac40	4.17	default	QRCT

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiation Test Set



Conduction Test Set



2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Adapter	RUIDE	RD1202000-C55-154MG	N/A	N/A
C-1	DC Cable	N/A	N/A	150cm	N/A

Support units

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

Note:

(1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.6 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
The FCC Registration Number (FRN):	0031025281
A2LA Number:	6184.01
CNAS Number:	CNAS L14531

2.7 MEASUREMENT UNCERTAINTY

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

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.958\text{dB}$
2	Conducted spurious emissions	$\pm 2.988\text{dB}$
3	All emissions, radiated 30MHz-1GHz	$\pm 2.50\text{dB}$
4	All emissions, radiated 1GHz-18GHz	$\pm 3.51\text{dB}$
5	Occupied bandwidth	$\pm 2.320\text{Hz}$
6	Power spectral density	$\pm 0.886\text{dB}$

2.8 EQUIPMENTS LIST

2.8.1 Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Management number	Calibrated until
Test Receiver	R&S	ESCI	100469	SHATBL-E003	2023.09.27
Spectrum Analyzer	Agilent	N9020A	MY50200811	SHATBL-E017	2023.09.27
Bilog Antenna	SCHWARZBECK	VLUB 9168	01174	SHATBL-E008	2023.09.27
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	SHATBL-E009	2023.09.27
Pre-Amplifier (0.1M-3GHz)	JPT	JPA-10M1G35	21010100035001	SHATBL-E005	2023.09.27
Pre-Amplifier (1G-18GHz)	JPT	JPA0118-55-303A	1910001800055000	SHATBL-E006	2023.09.27
Temperature & Humidity	DeLi	DeLi	N/A	SHATBL-E016	2023.09.27
Antenna/Turntable Controller	Brilliant	N/A	N/A	SHATBL-E007	N/A
Test SW	FALA	EMC-RI(Ver.4A2)		SHATBL-E046	N/A

2.8.2 RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Serial No.	equipment number	Calibrated until
MIMO Power measurement test Set	DARE	RPR3006W	16I00054SN016	SHATBL-W006	2023.09.27
			RPR6W-20001005	SHATBL-W013	2023.09.27
Signal Analyzer	Agilent	N9020A	MY57300196	SHATBL-W004	2023.09.27
Signal Generator	Agilent	N5182B	MY46240556	SHATBL-W005	2023.09.27
Wireless Communications Test Set	R&S	CMW500	101331	SHATBL-W007	2023.09.27
Temperature & Humidity	Deli	Deli	N/A	SHATBL-W011	2023.09.27
Attenuator	Agilent	8494B	DC-18G	SHATBL-W009	2023.09.27
Attenuator	Agilent	8496B	DC-18G	SHATBL-W010	2023.09.27
power splitter	MNK	MPD-DC/6-2S	62315 G51	SHATBL-W015	2023.09.27
			62315 G52	SHATBL-W016	2023.09.27
Filter	Chengdu kangmaiwei	ZBSF-C2400-2483.5-T3	N/A	SHATBL-W021	N/A
Constant temperature and humidity box	KSON	THS-B6C-150	6159K	SHATBL-W019	2024.01.16
Test SW	FALA	LZ-RF(Ver.LzRF-03A3.1)		SHATBL-W020	N/A

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

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.

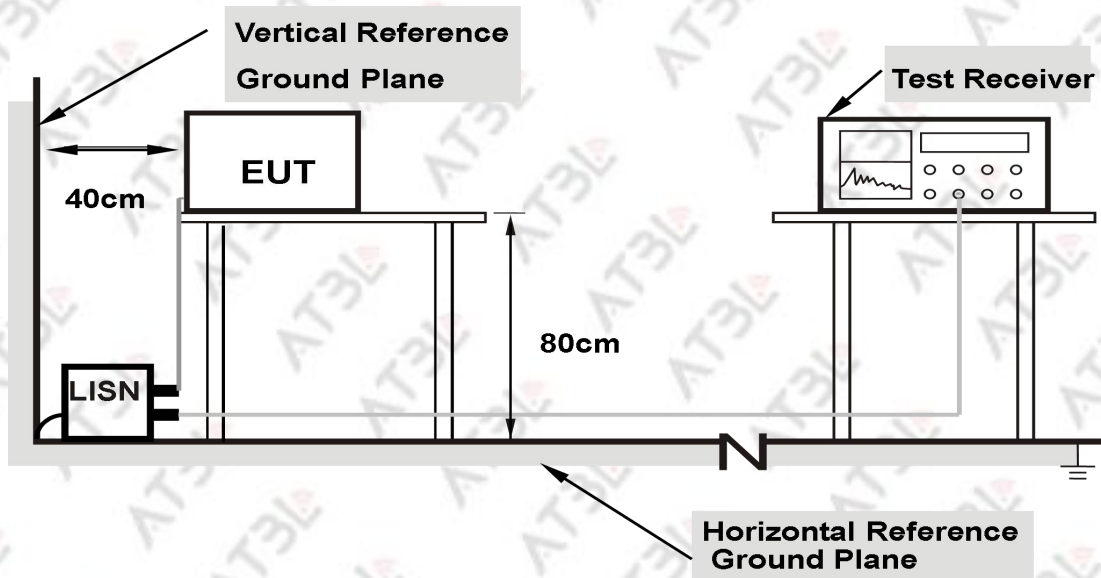
The following table is the setting of the receiver

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

3.1.2 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 equipments 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.

3.1.3 TEST SETUP



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

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

3.1.4 EUT OPERATING CONDITIONS

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

3.1.5 TEST RESULT

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

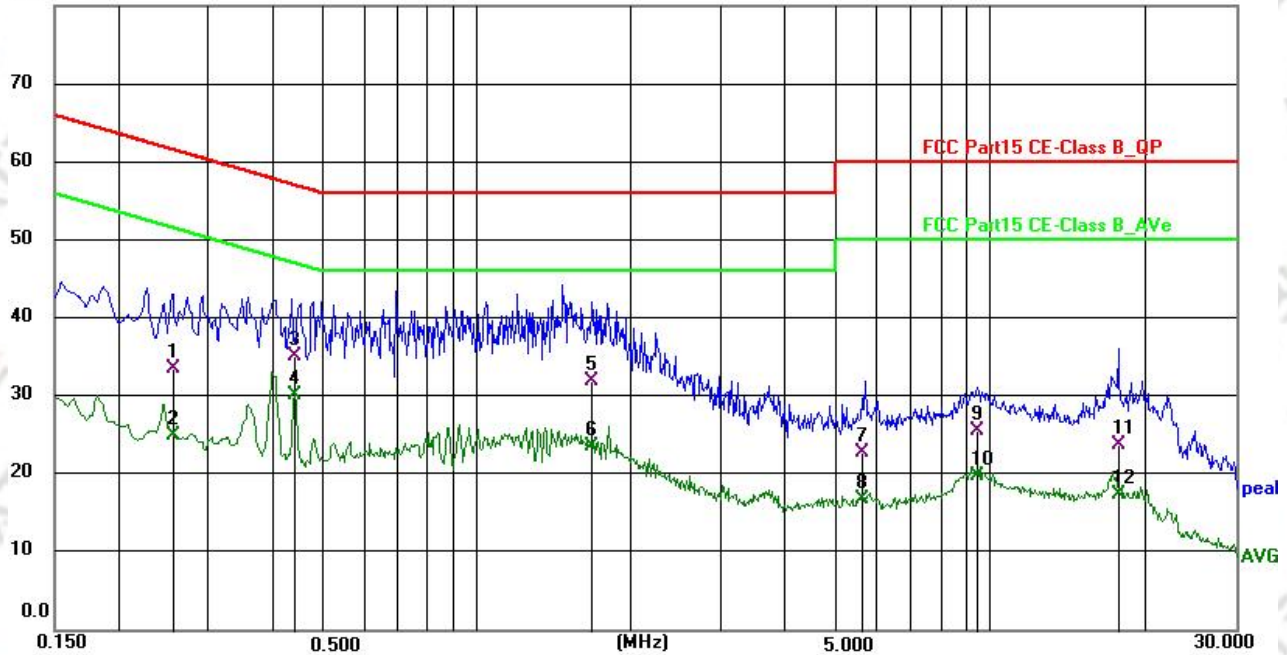
Model1: RD1202000-C55-154MG

No.	Frequency (MHz)	Reading (dBUV)	Correct (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	0.2561	22.84	10.72	33.56	61.56	-28.00	QP
2	0.2561	14.29	10.72	25.01	51.56	-26.55	AVG
3	0.4402	24.56	10.66	35.22	57.06	-21.84	QP
4	0.4402	19.55	10.66	30.21	47.06	-16.85	AVG
5	1.6682	21.10	10.76	31.86	56.00	-24.14	QP
6	1.6682	12.77	10.76	23.53	46.00	-22.47	AVG
7	5.6706	11.97	10.80	22.77	60.00	-37.23	QP
8	5.6706	5.93	10.80	16.73	50.00	-33.27	AVG
9	9.4447	14.94	10.63	25.57	60.00	-34.43	QP
10	9.4447	9.19	10.63	19.82	50.00	-30.18	AVG
11	17.7261	12.87	10.98	23.85	60.00	-36.15	QP
12	17.7261	6.38	10.98	17.36	50.00	-32.64	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)

80.0 dBUV



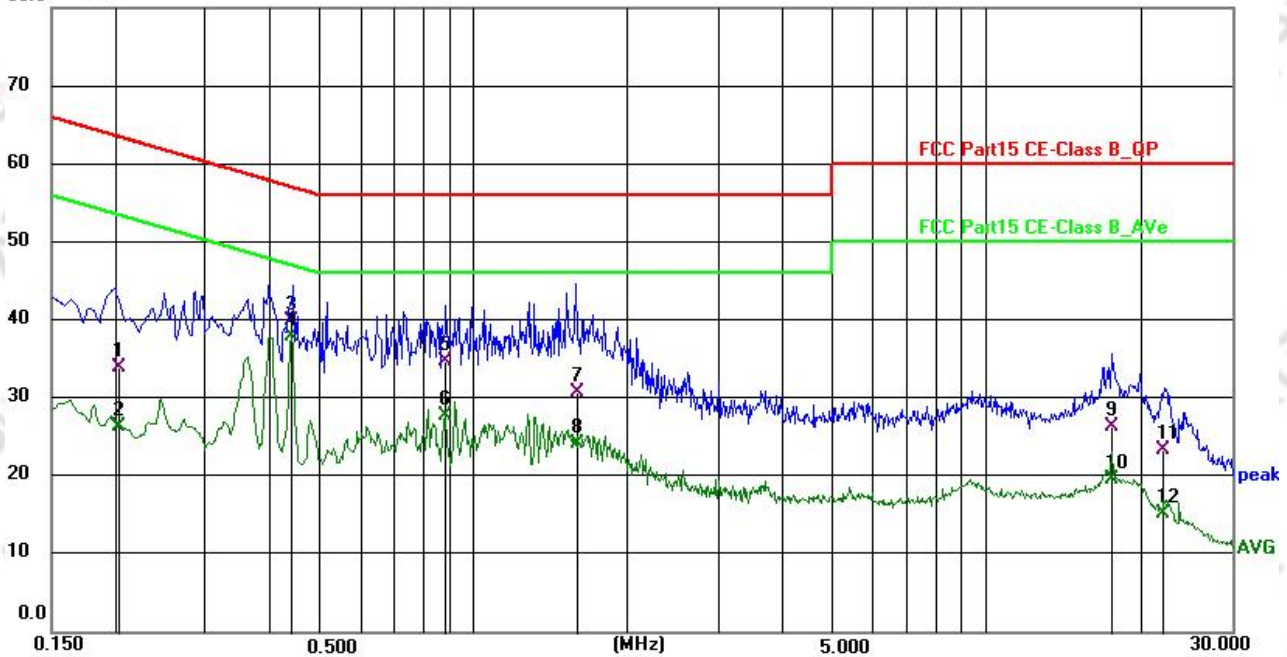
Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 25		

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.2031	23.60	10.39	33.99	63.48	-29.49	QP
2	0.2031	15.89	10.39	26.28	53.48	-27.20	AVG
3	0.4387	29.54	10.30	39.84	57.09	-17.25	QP
4	0.4387	27.54	10.30	37.84	47.09	-9.25	AVG
5	0.8836	24.38	10.36	34.74	56.00	-21.26	QP
6	0.8836	17.38	10.36	27.74	46.00	-18.26	AVG
7	1.5908	20.34	10.38	30.72	56.00	-25.28	QP
8	1.5908	13.73	10.38	24.11	46.00	-21.89	AVG
9	17.5415	15.49	10.82	26.31	60.00	-33.69	QP
10	17.5415	8.76	10.82	19.58	50.00	-30.42	AVG
11	22.2791	12.38	11.02	23.40	60.00	-36.60	QP
12	22.2791	4.20	11.02	15.22	50.00	-34.78	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)

80.0 dBuV



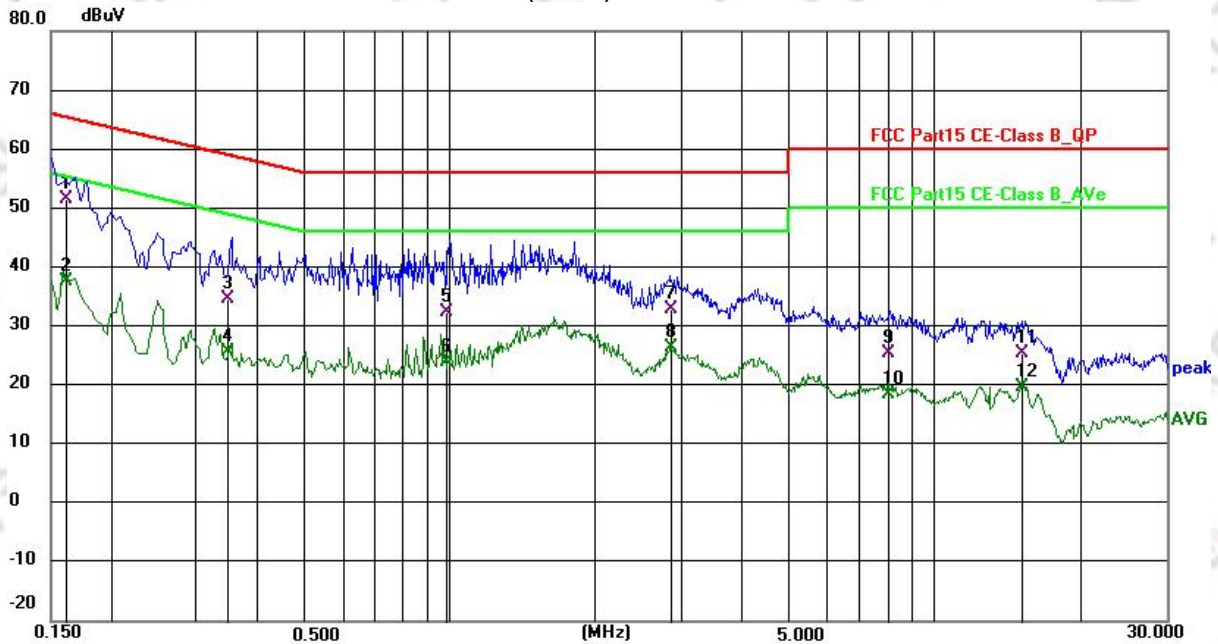
Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 26		

Model2: TPA289-24120-US

No.	Frequency (MHz)	Reading (dBUV)	Correct (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
1	0.1618	40.89	10.69	51.58	65.37	-13.79	QP
2	0.1618	26.81	10.69	37.50	55.37	-17.87	AVG
3	0.3489	23.98	10.69	34.67	58.99	-24.32	QP
4	0.3489	14.92	10.69	25.61	48.99	-23.38	AVG
5	0.9888	21.75	10.72	32.47	56.00	-23.53	QP
6	0.9888	13.29	10.72	24.01	46.00	-21.99	AVG
7	2.8626	22.16	10.80	32.96	56.00	-23.04	QP
8	2.8626	15.55	10.80	26.35	46.00	-19.65	AVG
9	8.0530	14.82	10.70	25.52	60.00	-34.48	QP
10	8.0530	7.85	10.70	18.55	50.00	-31.45	AVG
11	15.1735	14.51	10.83	25.34	60.00	-34.66	QP
12	15.1735	8.76	10.83	19.59	50.00	-30.41	AVG

Remark:

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

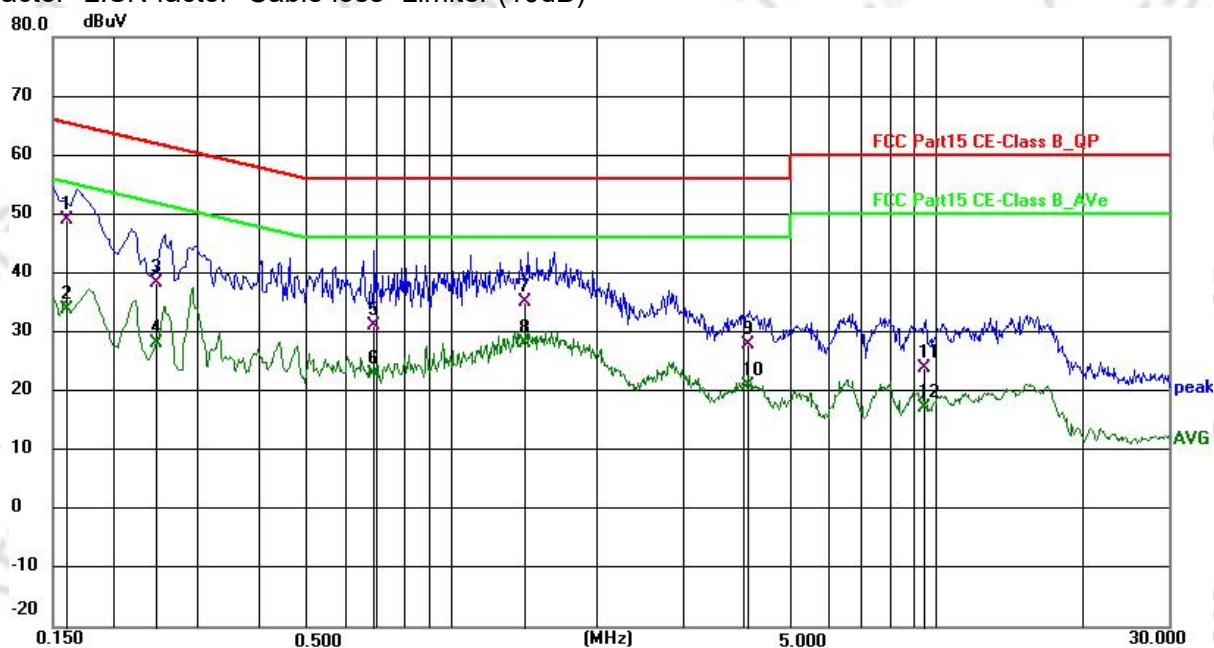


Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 26		

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1611	38.62	10.42	49.04	65.41	-16.37	QP
2	0.1611	23.47	10.42	33.89	55.41	-21.52	AVG
3	0.2463	27.94	10.37	38.31	61.88	-23.57	QP
4	0.2463	17.79	10.37	28.16	51.88	-23.72	AVG
5	0.6858	20.76	10.35	31.11	56.00	-24.89	QP
6	0.6858	12.65	10.35	23.00	46.00	-23.00	AVG
7	1.4232	24.72	10.38	35.10	56.00	-20.90	QP
8	1.4232	17.69	10.38	28.07	46.00	-17.93	AVG
9	4.0827	17.36	10.43	27.79	56.00	-28.21	QP
10	4.0827	10.43	10.43	20.86	46.00	-25.14	AVG
11	9.4639	13.61	10.36	23.97	60.00	-36.03	QP
12	9.4639	6.82	10.36	17.18	50.00	-32.82	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)



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS

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

Notes:

- (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

FCC:

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)	1 MHz / 3 MHz(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

3.2.2 TEST PROCEDURE

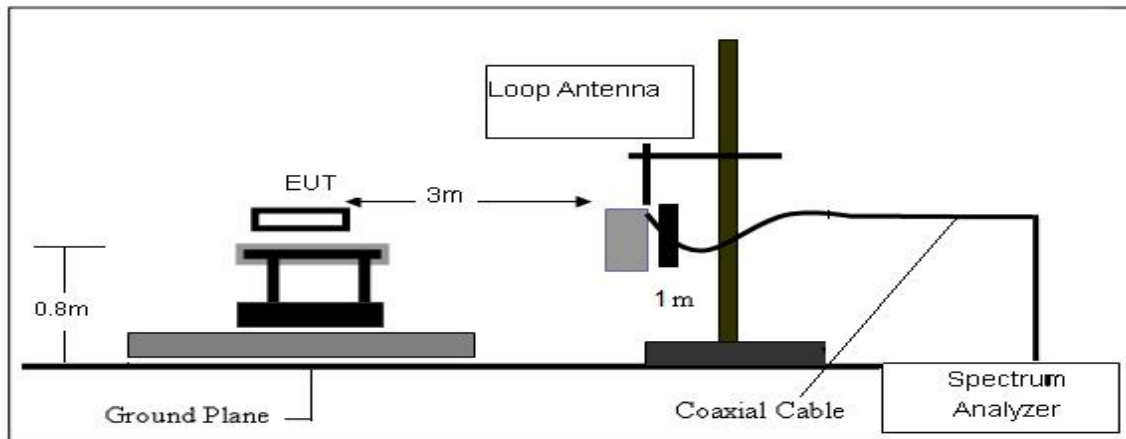
- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- 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.
- 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 QuasiPeak detector mode will be re-measured.
- 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.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

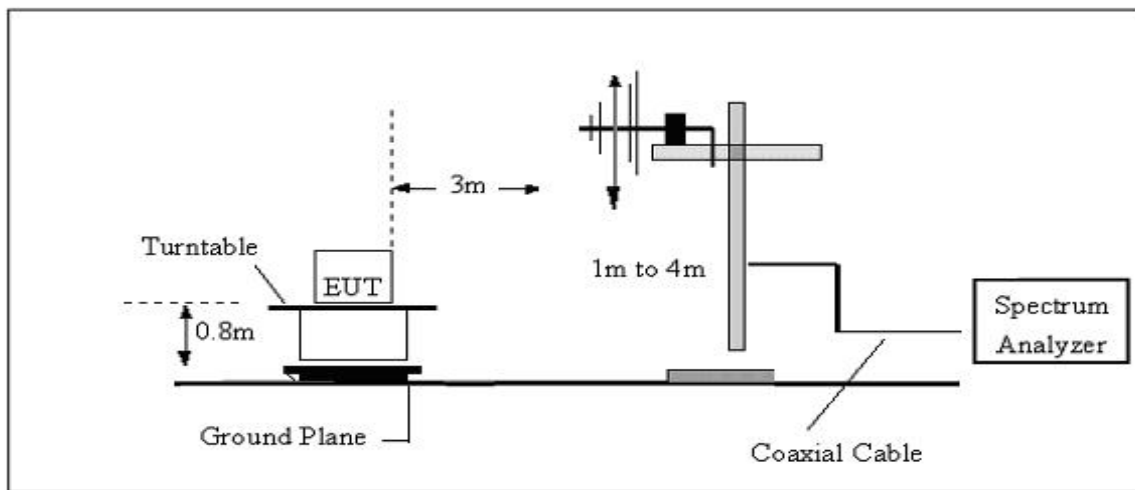
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

3.2.3 TEST SETUP

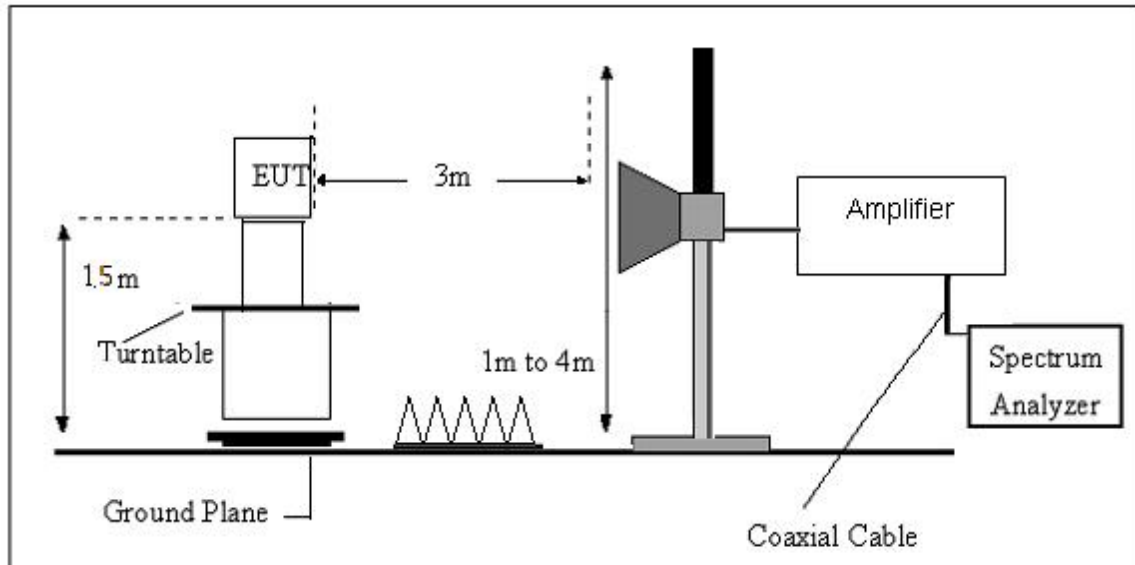
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



3.2.4 EUT OPERATING CONDITIONS

Please refer to section 3.1.4 of this report.

3.2.5 FIELD STRENGTH CALCULATION

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

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency	FS	RA	AF	CL	AG	Factor
(MHz)	(dBμV/m)	(dBμV/m)	(dB)	(dB)	(dB)	(dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = AF + CL - AG$$

3.2.6 TEST RESULTS(RADIATED SPURIOUS EMISSIONS)

(9kHz-30MHz)

Temperature:	25.0°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	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 = $40 \log (\text{specific distance/test distance})$ (dB);

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

TEST RESULTS

Remark:

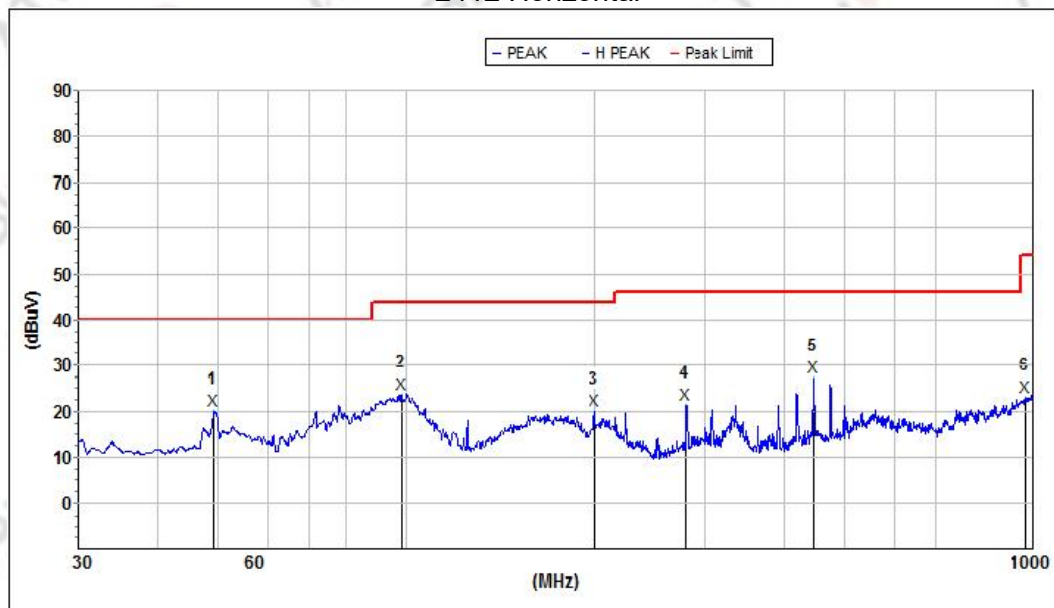
1. The all data rate modes had been test, but only worse test data was recorded in the test report.
2. Other 18G-25G Emission detected are more than 20dB below the limit.therefore they are not reported.

Radiated Emissions:

30MHz - 1000MHz

Temperature:	25.0°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11b		

2412 Horizontal

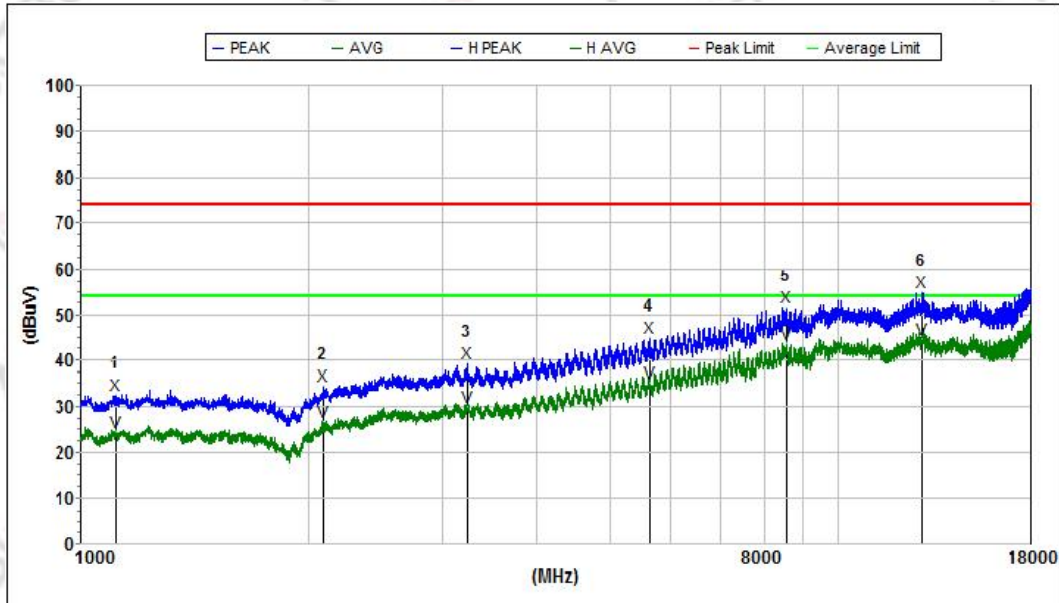


Mk.	Freq.(MHz)	Level(d BuV/m)	Limit(dBu V/m)	Margin(d B)	Ant.F/G.(d B/m)	Amp.G.(dB)	Cbl.L. (dB)	Pol.
Peak								
1	49.359419	20.2	40.0	19.8	13.6	32.6	0.8	H
2	98.314078	23.9	43.5	19.6	10.0	32.9	1.3	H
3	199.985568	20.2	43.5	23.3	9.9	32.8	2.3	H
4	279.043645	21.6	46.0	24.4	12.3	32.7	2.6	H
5	447.982209	27.4	46.0	18.6	14.3	32.4	2.7	H
6	972.337354	23.1	54.0	30.9	20.5	31.2	3.8	H

1GHz~18GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11b		

2412 Horizontal

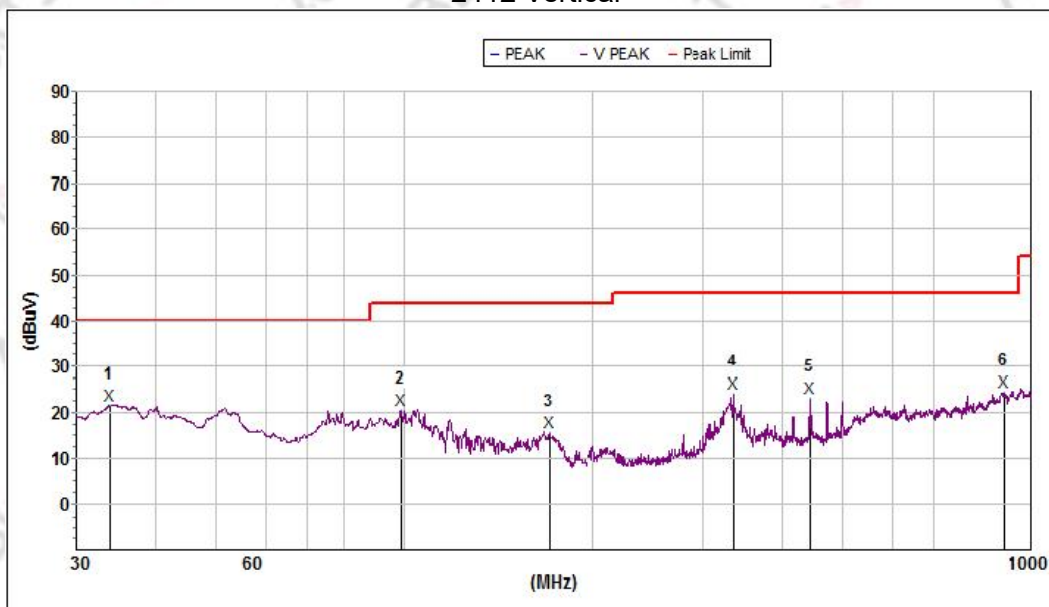


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1109.650000	32.7	74.0	41.3	25.5	60.7	2.2	H
2	2091.400000	34.5	74.0	39.5	27.1	60.9	2.7	H
3	3227.850000	39.5	74.0	34.5	29.7	58.4	3.0	H
4	5629.100000	45.1	74.0	28.9	33.1	58.1	4.0	H
5	8534.400000	51.6	74.0	22.4	37.7	56.1	5.1	H
6	12928.900000	54.8	74.0	19.2	39.7	57.8	6.1	H
Avg								
1	1109.650000	24.2	54.0	29.8	25.5	60.7	2.2	H
2	2091.400000	26.8	54.0	27.2	27.1	60.9	2.7	H
3	3227.850000	29.9	54.0	24.1	29.7	58.4	3.0	H
4	5629.100000	35.2	54.0	18.8	33.1	58.1	4.0	H
5	8534.400000	43.7	54.0	10.3	37.7	56.1	5.1	H
6	12928.900000	44.9	54.0	9.1	39.7	57.8	6.1	H

30MHz~1GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11b		

2412 Vertical

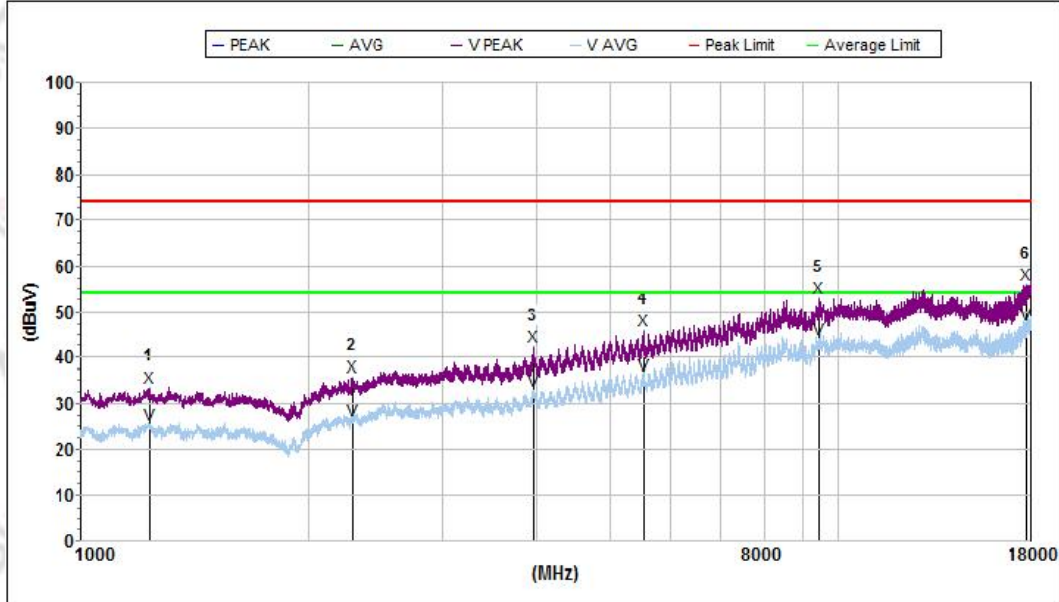


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	33.857943	21.7	40.0	18.3	13.4	32.2	0.8	V
2	98.832556	20.6	43.5	22.9	10.1	32.9	1.4	V
3	170.493440	15.8	43.5	27.7	13.1	32.9	1.8	V
4	335.446505	24.3	46.0	21.7	13.5	32.6	2.7	V
5	445.632082	23.2	46.0	22.8	15.9	32.4	2.7	V
6	901.727007	24.5	46.0	21.5	21.7	31.6	3.7	V

1GHz~18GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11b		

2412 Vertical

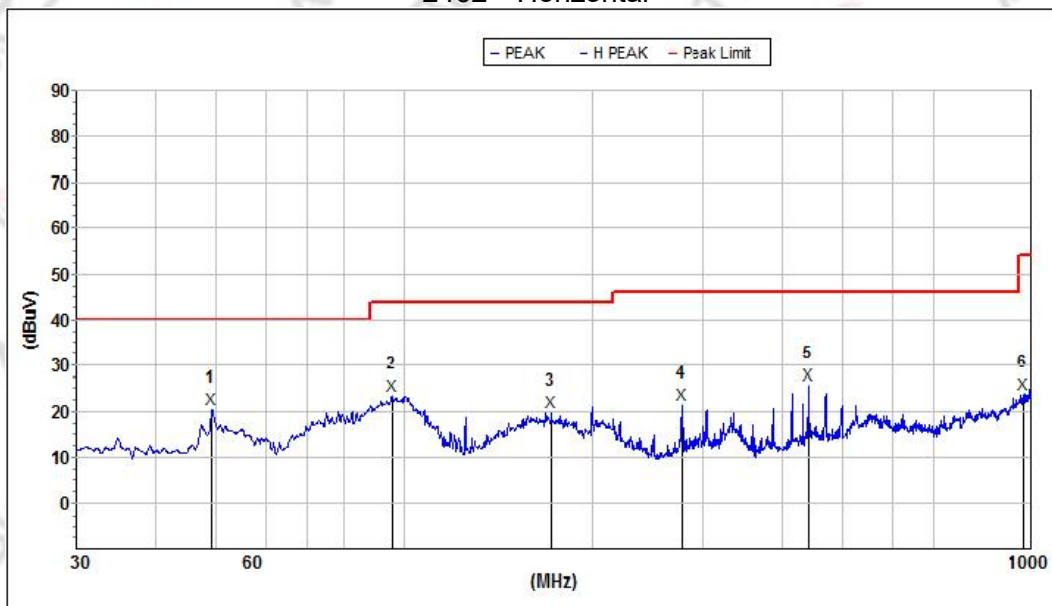


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1227.800000	33.4	74.0	40.6	25.8	60.9	2.3	V
2	2277.550000	36.0	74.0	38.0	27.2	60.1	2.8	V
3	3963.950000	42.4	74.0	31.6	30.8	58.5	3.3	V
4	5533.900000	46.2	74.0	27.8	32.8	58.1	4.0	V
5	9453.250000	53.0	74.0	21.0	38.6	59.6	5.4	V
6	17796.850000	56.0	74.0	18.0	41.1	57.8	7.0	V
Avg								
1	1227.800000	25.3	54.0	28.7	25.8	60.9	2.3	V
2	2277.550000	26.4	54.0	27.6	27.2	60.1	2.8	V
3	3963.950000	32.9	54.0	21.1	30.8	58.5	3.3	V
4	5533.900000	36.1	54.0	17.9	32.8	58.1	4.0	V
5	9453.250000	44.2	54.0	9.8	38.6	59.6	5.4	V
6	17796.850000	47.5	54.0	6.5	41.1	57.8	7.0	V

30MHz~1GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11b		

2462 Horizontal

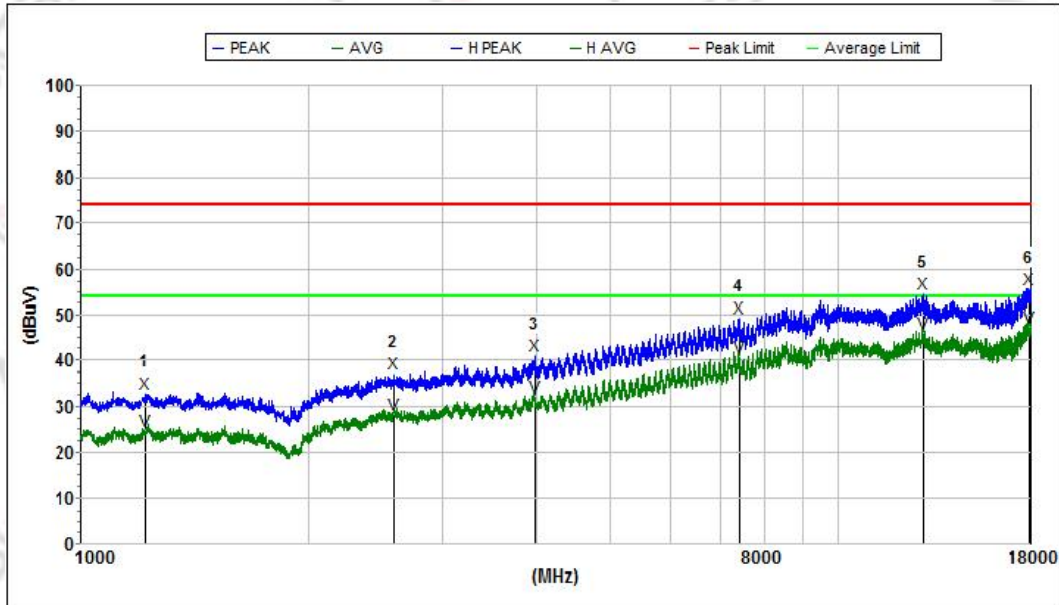


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	49.359419	20.5	40.0	19.5	13.6	32.6	0.8	H
2	95.930246	23.5	43.5	20.0	9.9	32.9	1.3	H
3	171.392570	19.9	43.5	23.6	13.0	32.9	1.8	H
4	276.608130	21.6	46.0	24.4	12.3	32.7	2.6	H
5	442.517746	25.8	46.0	20.2	14.2	32.4	2.7	H
6	975.752896	24.0	54.0	30.0	20.5	31.1	3.8	H

1GHz~18GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11b		

2462 Horizontal

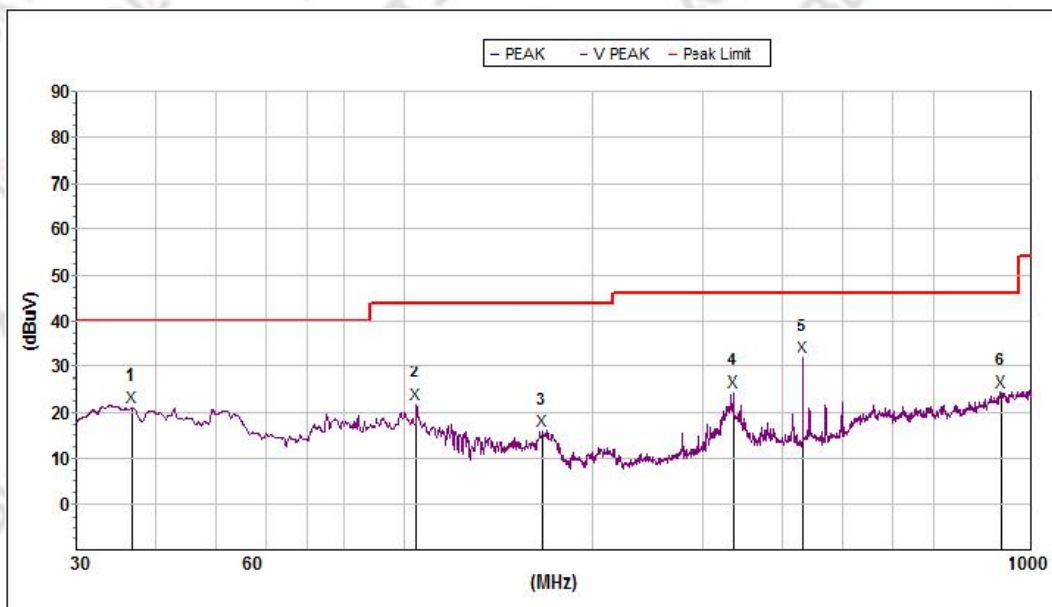


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/ m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1213.350000	33.0	74.0	41.0	25.7	60.9	2.3	H
2	2598.000000	37.3	74.0	36.7	28.0	59.0	2.9	H
3	3976.700000	41.2	74.0	32.8	30.8	58.4	3.3	H
4	7401.350000	49.4	74.0	24.6	36.5	57.5	4.6	H
5	13002.850000	54.6	74.0	19.4	39.8	57.7	6.2	H
6	17887.800000	55.7	74.0	18.3	41.7	57.7	7.0	H
Avg								
1	1213.350000	24.8	54.0	29.2	25.7	60.9	2.3	H
2	2598.000000	28.3	54.0	25.7	28.0	59.0	2.9	H
3	3976.700000	32.3	54.0	21.7	30.8	58.4	3.3	H
4	7401.350000	40.9	54.0	13.1	36.5	57.5	4.6	H
5	13002.850000	45.9	54.0	8.1	39.8	57.7	6.2	H
6	17887.800000	47.5	54.0	6.5	41.7	57.7	7.0	H

30MHz~1GHz

Temperature:	25℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11b		

2462 Vertical

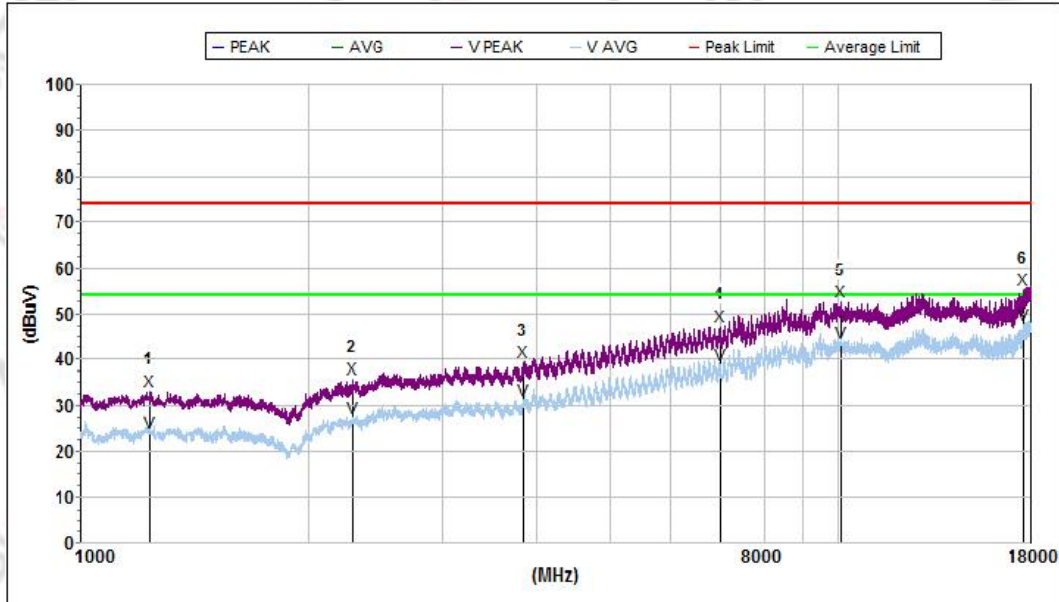


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	36.766156	21.2	40.0	18.8	13.6	32.3	0.8	V
2	104.536051	22.0	43.5	21.5	10.6	32.9	1.4	V
3	166.068049	16.1	43.5	27.4	13.6	32.9	1.7	V
4	335.446505	24.4	46.0	21.6	13.5	32.6	2.7	V
5	433.304719	32.1	46.0	13.9	15.6	32.4	2.7	V
6	893.856660	24.6	46.0	21.4	21.6	31.7	3.6	V

1GHz~18GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11b		

2462 Vertical

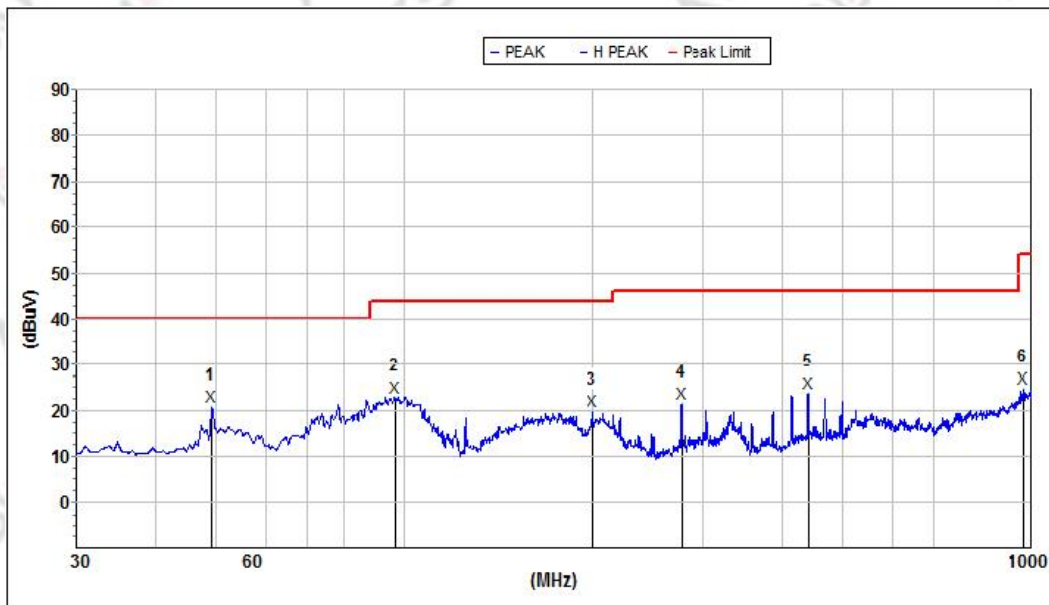


Mk.	Freq.(MHz)	Level (dBuV V/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1228.650000	33.2	74.0	40.8	25.8	60.9	2.3	V
2	2284.350000	35.8	74.0	38.2	27.2	60.0	2.8	V
3	3850.050000	39.5	74.0	34.5	30.6	58.8	3.2	V
4	6986.550000	47.3	74.0	26.7	35.9	58.6	4.3	V
5	10082.250000	52.7	74.0	21.3	38.6	60.4	5.4	V
6	17583.500000	55.3	74.0	18.7	39.8	58.1	6.9	V
Avg								
1	1228.650000	23.9	54.0	30.1	25.8	60.9	2.3	V
2	2284.350000	27.4	54.0	26.6	27.2	60.0	2.8	V
3	3850.050000	31.3	54.0	22.7	30.6	58.8	3.2	V
4	6986.550000	38.8	54.0	15.2	35.9	58.6	4.3	V
5	10082.250000	43.8	54.0	10.2	38.6	60.4	5.4	V
6	17583.500000	47.6	54.0	6.4	39.8	58.1	6.9	V

30MHz - 1000MHz

Temperature:	25.0°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ac20		

2412 Horizontal

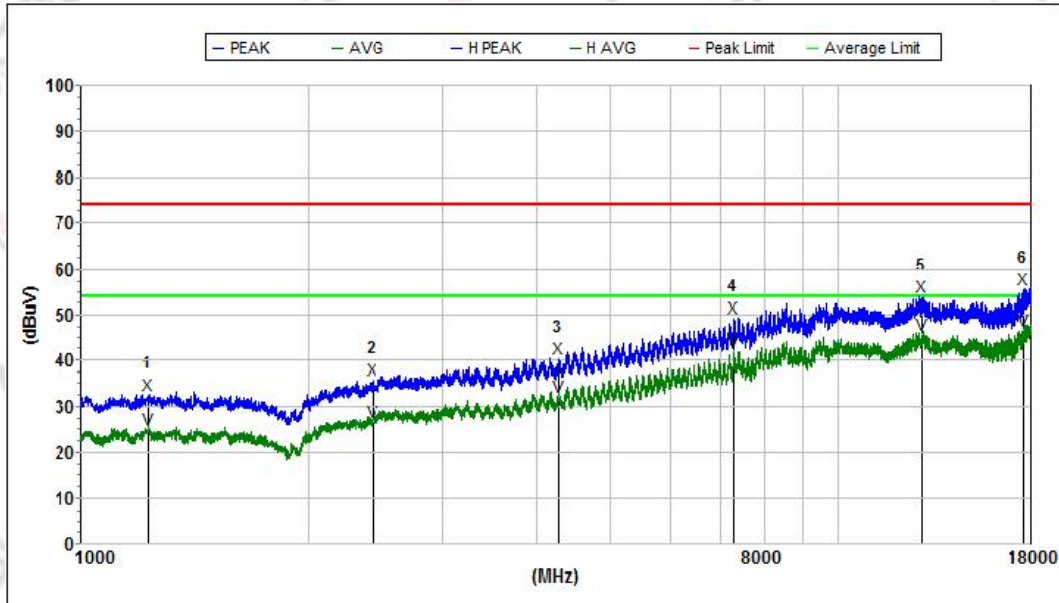


Mk.	Freq.(MHz)	Level(d BuV/m)	Limit(dBu V/m)	Margin(d B)	Ant.F/G.(d B/m)	Amp.G.(dB)	Cbl.L. (dB)	Pol.
Peak								
1	49.359419	21.0	40.0	19.0	13.6	32.6	0.8	H
2	96.774905	23.0	43.5	20.5	9.9	32.9	1.3	H
3	199.985568	19.8	43.5	23.7	9.9	32.8	2.3	H
4	276.123583	21.5	46.0	24.5	12.3	32.7	2.6	H
5	441.742569	24.0	46.0	22.0	14.2	32.4	2.7	H
6	972.337354	24.9	54.0	29.1	20.5	31.1	3.8	H

1GHz~18GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ac20		

2412 Horizontal

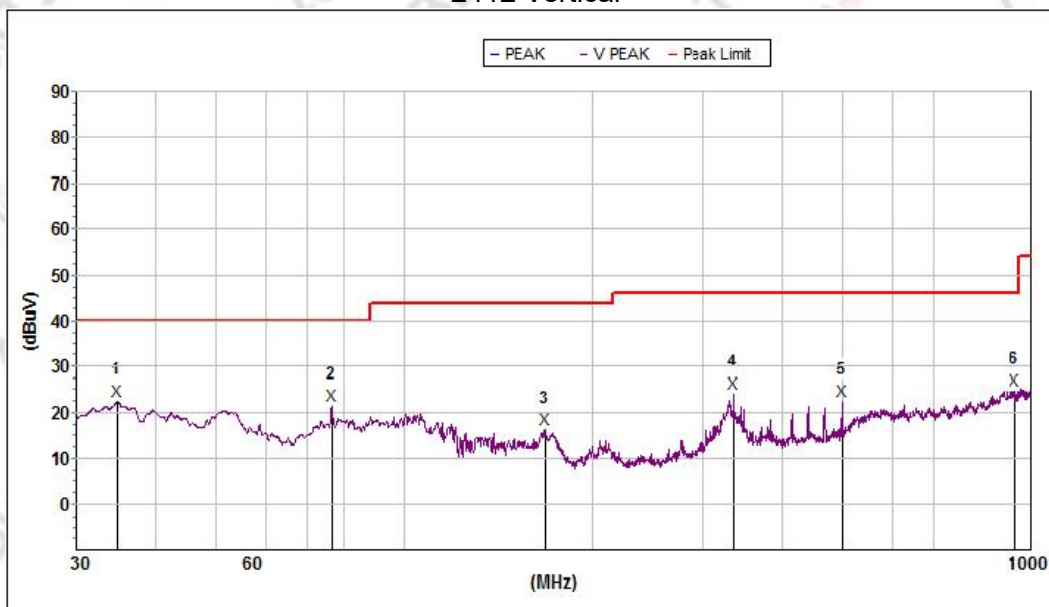


Mk.	Freq.(MHz)	Level (dBUV /m)	Limit (dBUV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1226.100000	32.7	74.0	41.3	25.8	60.9	2.3	H
2	2424.600000	35.7	74.0	38.3	27.4	59.3	2.8	H
3	4264.000000	40.5	74.0	33.5	31.2	58.2	3.4	H
4	7297.650000	49.3	74.0	24.7	36.8	57.6	4.5	H
5	12903.400000	54.0	74.0	20.0	39.7	57.8	6.1	H
6	17570.750000	55.5	74.0	18.5	39.7	58.1	6.9	H
Avg								
1	1226.100000	25.0	54.0	29.0	25.8	60.9	2.3	H
2	2424.600000	26.8	54.0	27.2	27.4	59.3	2.8	H
3	4264.000000	32.3	54.0	21.7	31.2	58.2	3.4	H
4	7297.650000	42.0	54.0	12.0	36.8	57.6	4.5	H
5	12903.400000	45.6	54.0	8.4	39.7	57.8	6.1	H
6	17570.750000	46.8	54.0	7.2	39.7	58.1	6.9	H

30MHz~1GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ac20		

2412 Vertical

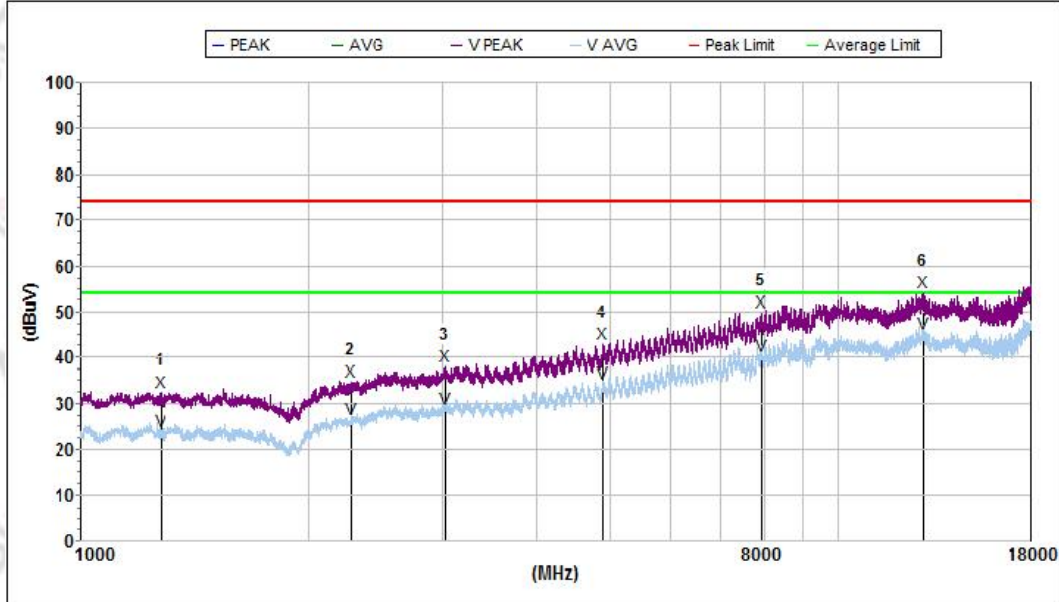


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	34.821189	22.6	40.0	17.4	13.4	32.2	0.8	V
2	76.512057	21.5	40.0	18.5	9.8	32.9	0.9	V
3	167.530266	16.3	43.5	27.2	13.4	32.9	1.7	V
4	335.446505	24.2	46.0	21.8	13.5	32.6	2.7	V
5	499.424690	22.7	46.0	23.3	16.5	32.5	2.8	V
6	942.130495	25.0	46.0	21.0	22.1	31.3	3.7	V

1GHz~18GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ac20		

2412 Vertical

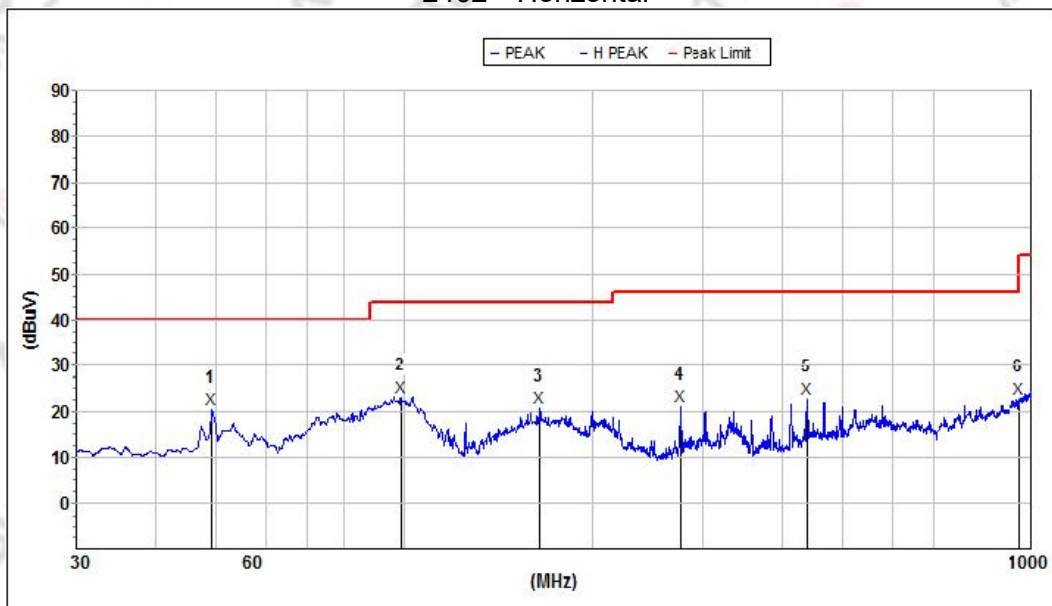


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1272.000000	32.6	74.0	41.4	25.8	61.0	2.3	V
2	2274.150000	34.9	74.0	39.1	27.2	60.1	2.8	V
3	3026.400000	38.3	74.0	35.7	29.5	58.8	3.0	V
4	4904.900000	43.0	74.0	31.0	32.7	57.4	3.6	V
5	7915.600000	50.1	74.0	23.9	37.1	57.4	4.8	V
6	12994.350000	54.2	74.0	19.8	39.8	57.7	6.1	V
Avg								
1	1272.000000	24.1	54.0	29.9	25.8	61.0	2.3	V
2	2274.150000	26.8	54.0	27.2	27.2	60.1	2.8	V
3	3026.400000	29.1	54.0	24.9	29.5	58.8	3.0	V
4	4904.900000	34.6	54.0	19.4	32.7	57.4	3.6	V
5	7915.600000	40.5	54.0	13.5	37.1	57.4	4.8	V
6	12994.350000	45.4	54.0	8.6	39.8	57.7	6.1	V

30MHz~1GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ac20		

2462 Horizontal

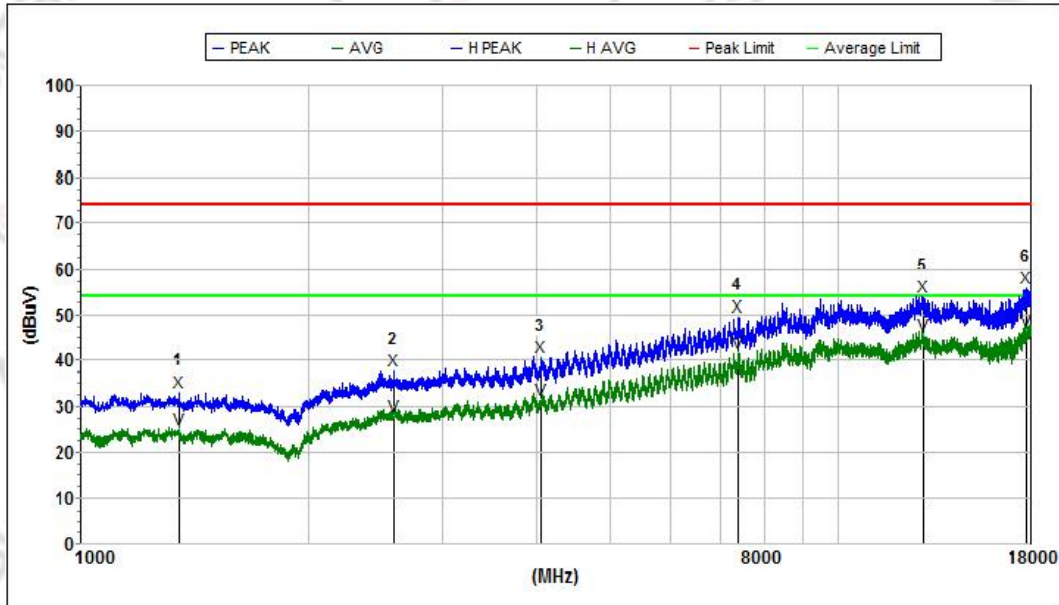


Mk.	Freq.(MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	49.359419	20.5	40.0	19.5	13.6	32.6	0.8	H
2	98.832556	23.2	43.5	20.3	10.1	32.9	1.4	H
3	164.618593	21.0	43.5	22.5	13.7	32.9	1.6	H
4	275.157035	21.2	46.0	24.8	12.2	32.7	2.6	H
5	440.196286	23.0	46.0	23.0	14.2	32.4	2.7	H
6	960.476834	22.8	54.0	31.2	20.4	31.2	3.8	H

1GHz~18GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ac20		

2462 Horizontal

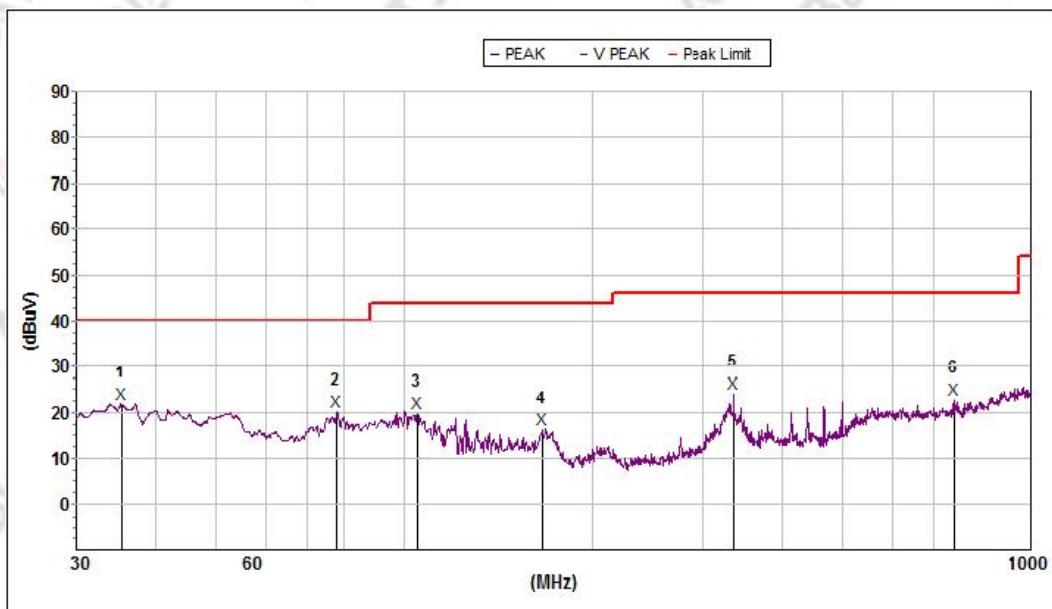


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/ m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1350.200000	33.3	74.0	40.7	25.7	61.2	2.3	H
2	2592.050000	37.8	74.0	36.2	28.0	59.0	2.9	H
3	4052.350000	40.9	74.0	33.1	30.8	58.3	3.3	H
4	7395.400000	49.6	74.0	24.4	36.5	57.5	4.6	H
5	12996.050000	54.1	74.0	19.9	39.8	57.7	6.1	H
6	17801.950000	55.9	74.0	18.1	41.1	57.8	7.0	H
Avg								
1	1350.200000	25.0	54.0	29.0	25.7	61.2	2.3	H
2	2592.050000	27.9	54.0	26.1	28.0	59.0	2.9	H
3	4052.350000	31.7	54.0	22.3	30.8	58.3	3.3	H
4	7395.400000	41.7	54.0	12.3	36.5	57.5	4.6	H
5	12996.050000	45.7	54.0	8.3	39.8	57.7	6.1	H
6	17801.950000	46.8	54.0	7.2	41.1	57.8	7.0	H

30MHz~1GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ac20		

2462 Vertical

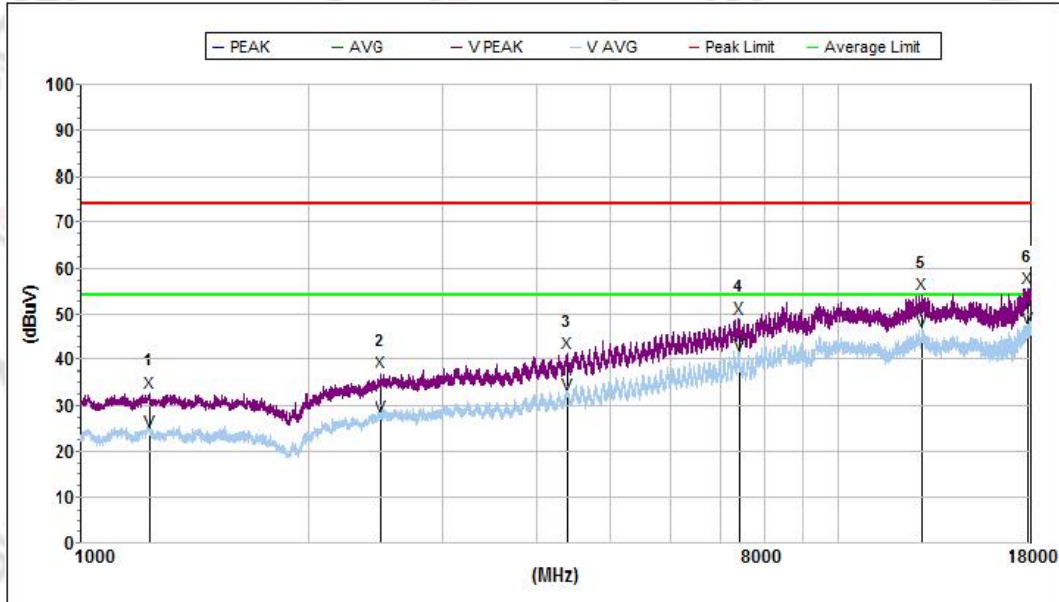


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	35.313041	22.0	40.0	18.0	13.4	32.3	0.8	V
2	78.001995	20.2	40.0	19.8	9.6	32.9	0.9	V
3	105.087342	19.9	43.5	23.6	10.6	32.9	1.4	V
4	166.068049	16.4	43.5	27.1	13.6	32.9	1.7	V
5	335.446505	24.1	46.0	21.9	13.5	32.6	2.7	V
6	755.387337	22.8	46.0	23.2	20.3	32.2	3.6	V

1GHz~18GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ac20		

2462 Vertical

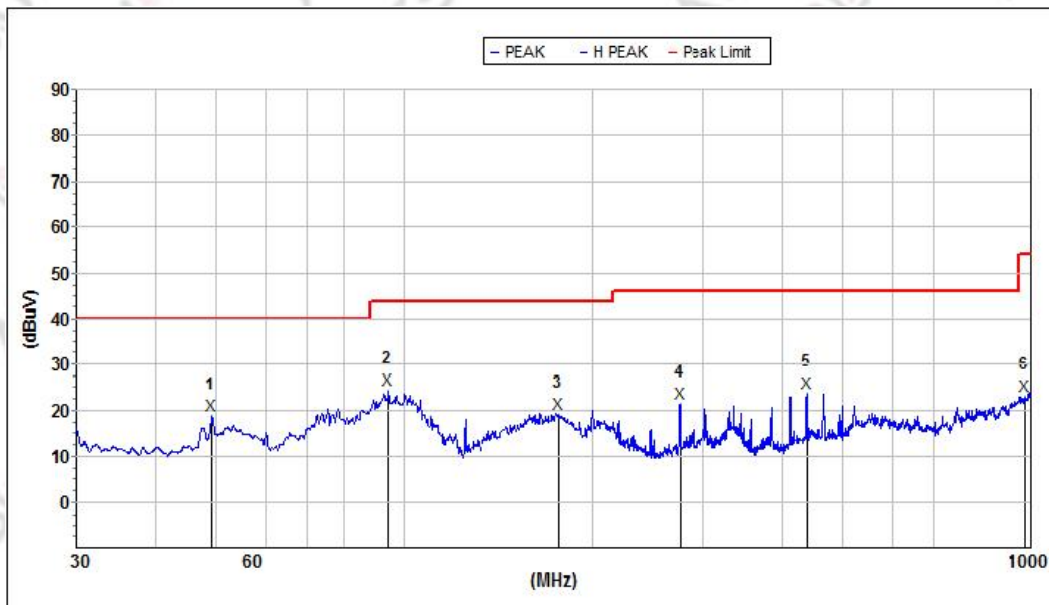


Mk.	Freq.(MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1228.650000	32.9	74.0	41.1	25.8	60.9	2.3	V
2	2496.850000	37.1	74.0	36.9	27.7	58.8	2.8	V
3	4377.050000	41.4	74.0	32.6	31.5	58.1	3.5	V
4	7403.050000	49.1	74.0	24.9	36.5	57.5	4.6	V
5	12918.700000	54.3	74.0	19.7	39.7	57.8	6.1	V
6	17812.150000	55.6	74.0	18.4	41.2	57.8	7.0	V
Avg								
1	1228.650000	24.3	54.0	29.7	25.8	60.9	2.3	V
2	2496.850000	27.7	54.0	26.3	27.7	58.8	2.8	V
3	4377.050000	32.7	54.0	21.3	31.5	58.1	3.5	V
4	7403.050000	41.2	54.0	12.8	36.5	57.5	4.6	V
5	12918.700000	46.3	54.0	7.7	39.7	57.8	6.1	V
6	17812.150000	47.2	54.0	6.8	41.2	57.8	7.0	V

30MHz - 1000MHz

Temperature:	25.0°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ax40		

2422 Horizontal

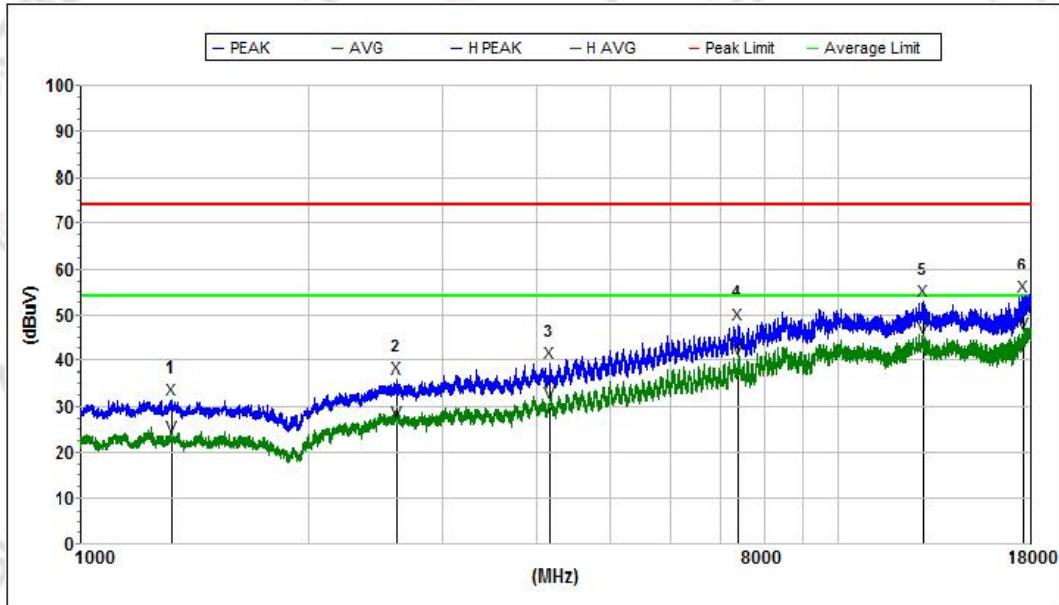


Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F/G.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak								
1	49.359419	19.0	40.0	21.0	13.6	32.6	0.8	H
2	94.428394	24.7	43.5	18.8	9.8	32.9	1.2	H
3	175.959849	19.3	43.5	24.2	12.3	32.8	1.9	H
4	274.675031	21.7	46.0	24.3	12.2	32.7	2.6	H
5	439.425175	24.0	46.0	22.0	14.2	32.4	2.7	H
6	979.180436	23.3	54.0	30.7	20.5	31.1	3.8	H

1GHz~18GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ax40		

2422 Horizontal

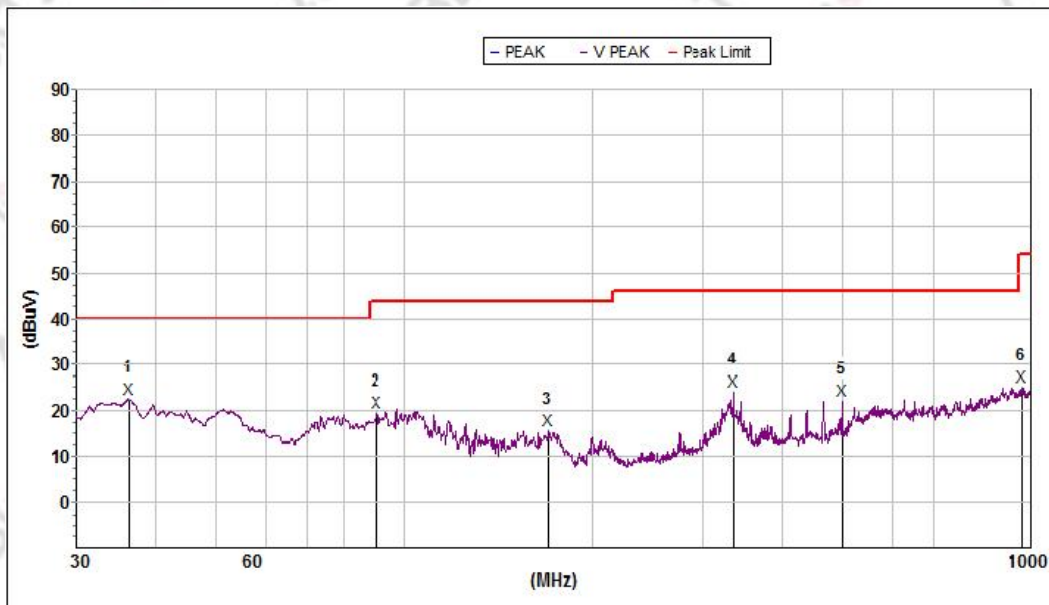


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1317.900000	31.6	74.0	42.4	25.8	61.1	2.3	H
2	2618.400000	36.1	74.0	37.9	28.1	59.1	2.9	H
3	4164.550000	39.5	74.0	34.5	30.9	58.2	3.4	H
4	7390.300000	47.9	74.0	26.1	36.6	57.5	4.6	H
5	13008.800000	53.0	74.0	21.0	39.8	57.8	6.2	H
6	17578.400000	53.9	74.0	20.1	39.7	58.1	6.9	H
Avg								
1	1317.900000	23.2	54.0	30.8	25.8	61.1	2.3	H
2	2618.400000	26.6	54.0	27.4	28.1	59.1	2.9	H
3	4164.550000	30.8	54.0	23.2	30.9	58.2	3.4	H
4	7390.300000	40.6	54.0	13.4	36.6	57.5	4.6	H
5	13008.800000	45.0	54.0	9.0	39.8	57.8	6.2	H
6	17578.400000	46.2	54.0	7.8	39.7	58.1	6.9	H

30MHz~1GHz

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ax40		

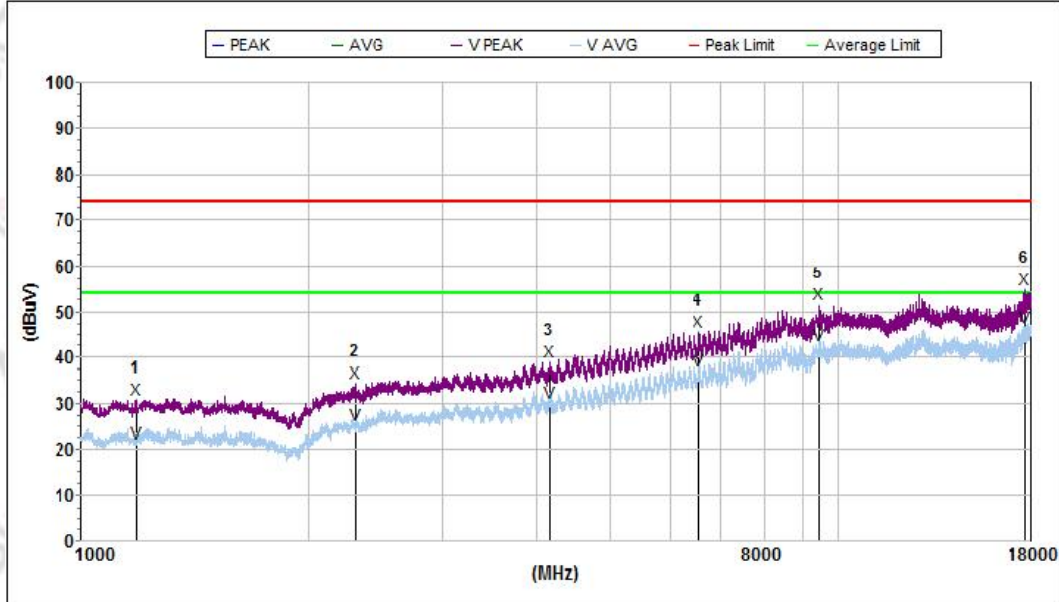
2422 Vertical



Mk.	Freq.(MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	36.254065	22.6	40.0	17.4	13.6	32.3	0.8	V
2	90.537409	19.6	43.5	23.9	9.5	32.9	1.1	V
3	169.896642	15.6	43.5	27.9	13.2	32.9	1.7	V
4	335.446505	24.3	46.0	21.7	13.5	32.6	2.7	V
5	499.424690	22.4	46.0	23.6	16.5	32.5	2.8	V
6	967.236444	25.2	54.0	28.8	22.2	31.2	3.8	V

Temperature:	25.0℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ax40		

2422 Vertical

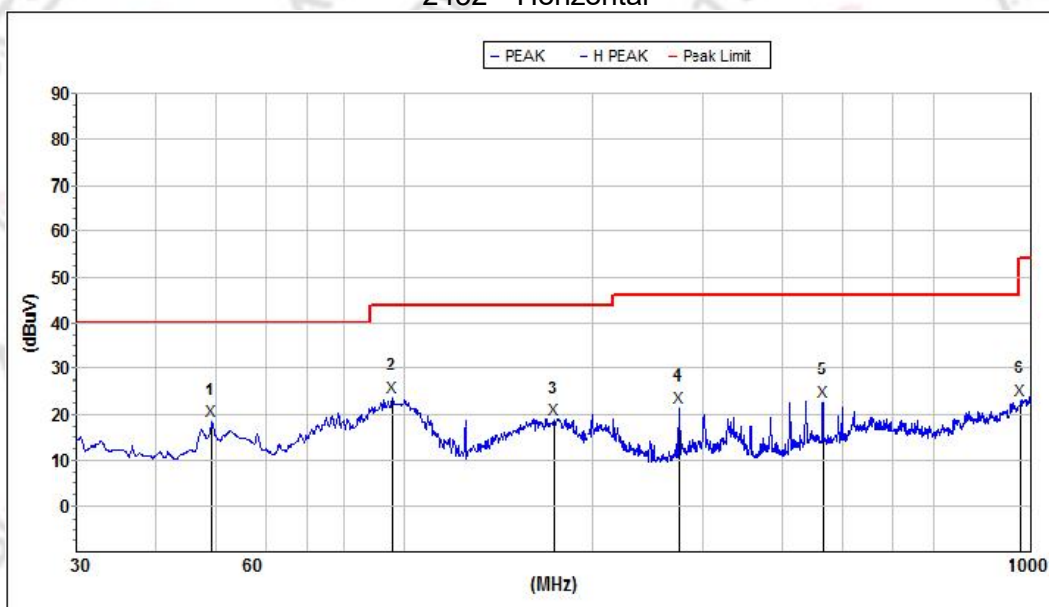


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1180.200000	30.8	74.0	43.2	25.7	60.8	2.2	V
2	2304.750000	34.5	74.0	39.5	27.2	59.9	2.8	V
3	4166.250000	39.0	74.0	35.0	30.9	58.2	3.4	V
4	6564.950000	45.8	74.0	28.2	35.3	58.0	4.2	V
5	9471.100000	51.6	74.0	22.4	38.6	59.7	5.4	V
6	17684.650000	55.0	74.0	19.0	40.4	57.9	6.9	V
Avg								
1	1180.200000	21.4	54.0	32.6	25.7	60.8	2.2	V
2	2304.750000	25.3	54.0	28.7	27.2	59.9	2.8	V
3	4166.250000	30.3	54.0	23.7	30.9	58.2	3.4	V
4	6564.950000	37.2	54.0	16.8	35.3	58.0	4.2	V
5	9471.100000	42.9	54.0	11.1	38.6	59.7	5.4	V
6	17684.650000	46.6	54.0	7.4	40.4	57.9	6.9	V

30MHz~1GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ax40		

2452 Horizontal

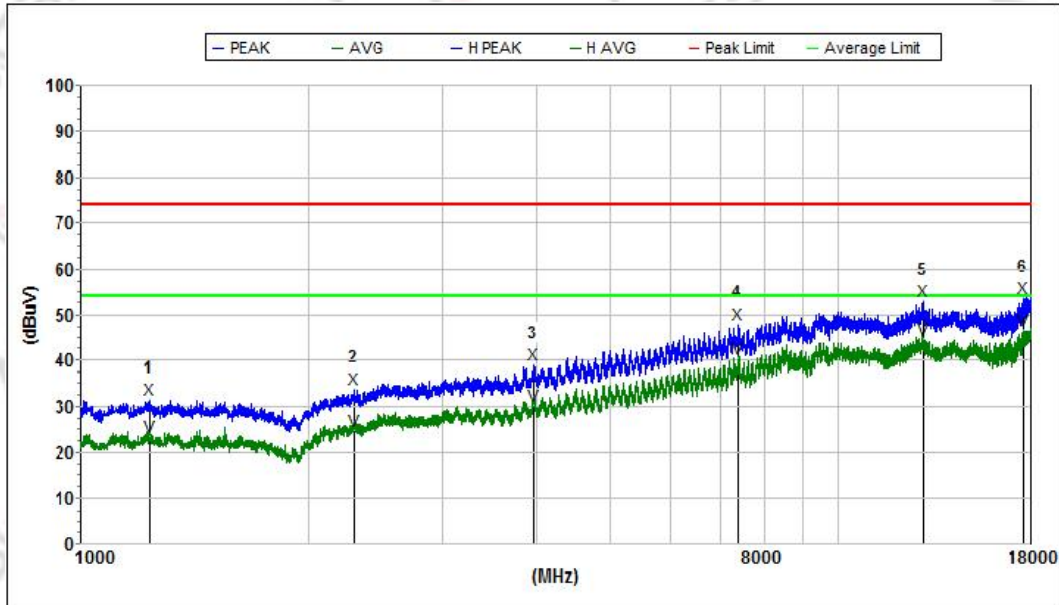


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	49.359419	18.6	40.0	21.4	13.6	32.6	0.8	H
2	95.930246	24.0	43.5	19.5	9.9	32.9	1.3	H
3	173.509024	19.1	43.5	24.4	12.7	32.8	1.8	H
4	273.713554	21.7	46.0	24.3	12.2	32.7	2.6	H
5	466.416465	22.9	46.0	23.1	14.5	32.4	2.8	H
6	965.542095	23.2	54.0	30.8	20.4	31.2	3.8	H

1GHz~18GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Mode:	802.11ax40		

2452 Horizontal

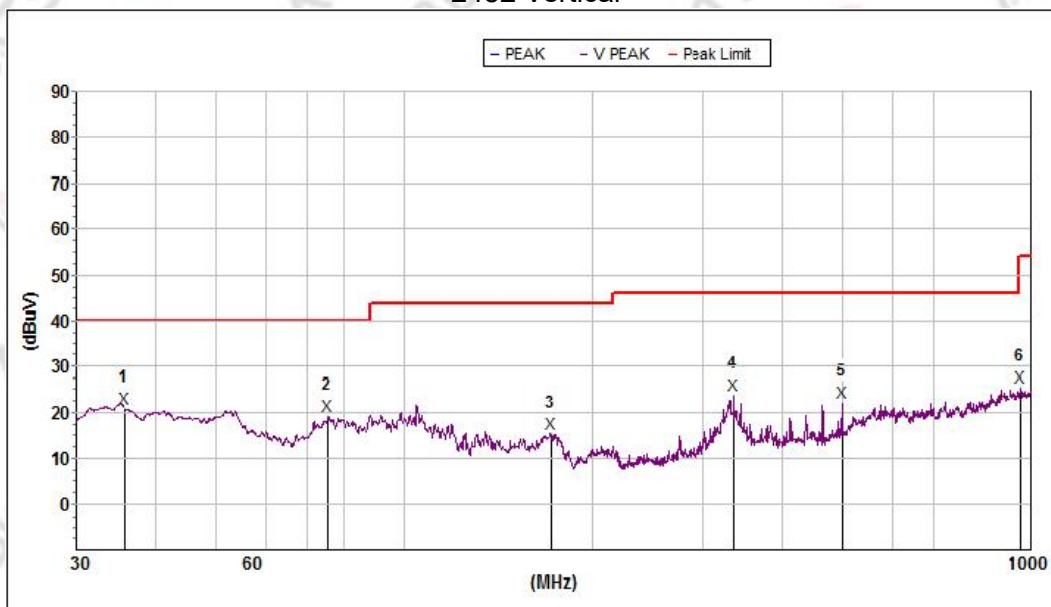


Mk.	Freq.(MHz)	Level (dBuV /m)	Limit (dBuV/ m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1232.050000	31.6	74.0	42.4	25.8	60.9	2.3	H
2	2290.300000	33.8	74.0	40.2	27.2	60.0	2.8	H
3	3958.000000	39.2	74.0	34.8	30.8	58.5	3.2	H
4	7397.100000	48.0	74.0	26.0	36.5	57.5	4.6	H
5	13006.250000	52.8	74.0	21.2	39.8	57.8	6.2	H
6	17578.400000	53.5	74.0	20.5	39.7	58.1	6.9	H
Avg								
1	1232.050000	23.3	54.0	30.7	25.8	60.9	2.3	H
2	2290.300000	24.7	54.0	29.3	27.2	60.0	2.8	H
3	3958.000000	30.3	54.0	23.7	30.8	58.5	3.2	H
4	7397.100000	40.4	54.0	13.6	36.5	57.5	4.6	H
5	13006.250000	44.8	54.0	9.2	39.8	57.8	6.2	H
6	17578.400000	46.6	54.0	7.4	39.7	58.1	6.9	H

30MHz~1GHz

Temperature:	25℃	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ax40		

2452 Vertical

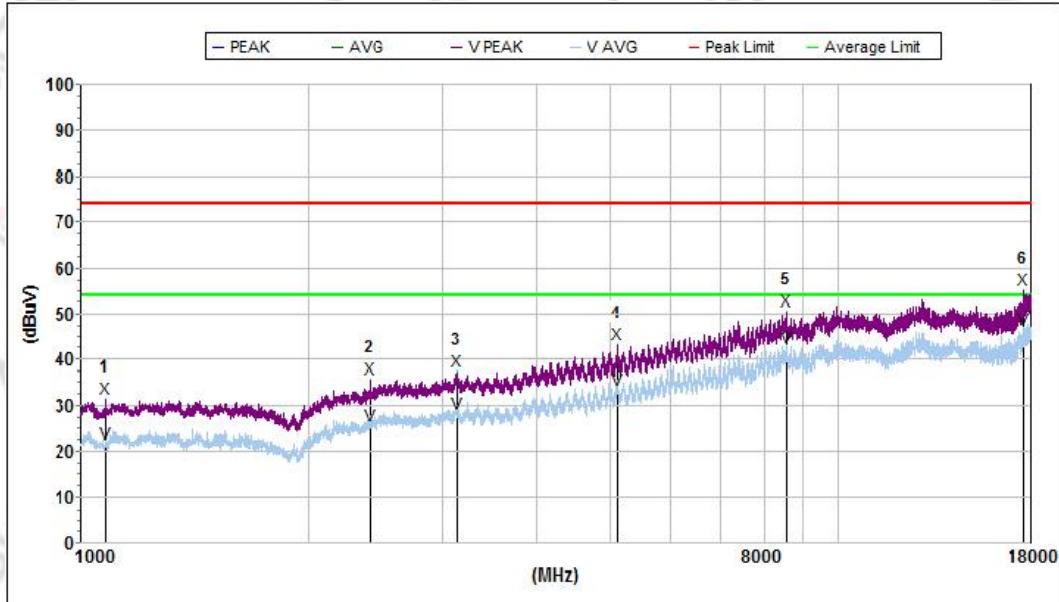


Mk.	Freq.(MHz)	Level (dBuV/ m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	35.686483	21.0	40.0	19.0	13.5	32.3	0.8	V
2	75.578767	19.2	40.0	20.8	10.0	32.9	0.9	V
3	171.092334	15.4	43.5	28.1	13.0	32.9	1.8	V
4	335.446505	24.0	46.0	22.0	13.5	32.6	2.7	V
5	499.424690	22.3	46.0	23.7	16.5	32.5	2.8	V
6	965.542095	25.6	54.0	28.4	22.2	31.2	3.8	V

1GHz~18GHz

Temperature:	25°C	Relative Humidity:	50%RH
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Mode:	802.11ax40		

2452 Vertical

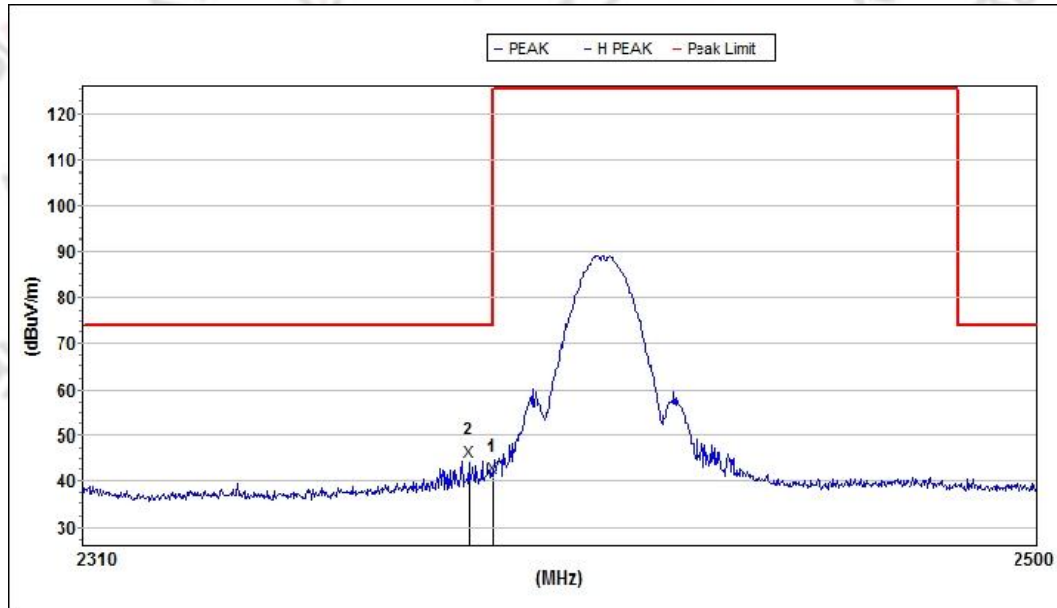


Mk.	Freq.(MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	1077.350000	31.5	74.0	42.5	25.4	60.5	2.2	V
2	2404.200000	35.8	74.0	38.2	27.3	59.5	2.8	V
3	3140.300000	37.4	74.0	36.6	29.7	58.6	3.0	V
4	5108.050000	43.3	74.0	30.7	33.1	57.5	3.7	V
5	8537.800000	50.6	74.0	23.4	37.8	56.2	5.1	V
6	17591.150000	55.2	74.0	18.8	39.8	58.0	6.9	V
Avg								
1	1077.350000	21.6	54.0	32.4	25.4	60.5	2.2	V
2	2404.200000	25.5	54.0	28.5	27.3	59.5	2.8	V
3	3140.300000	28.2	54.0	25.8	29.7	58.6	3.0	V
4	5108.050000	33.5	54.0	20.5	33.1	57.5	3.7	V
5	8537.800000	42.7	54.0	11.3	37.8	56.2	5.1	V
6	17591.150000	46.6	54.0	7.4	39.8	58.0	6.9	V

3.2.6 TEST RESULTS (BAND EDGE REQUIREMENTS)

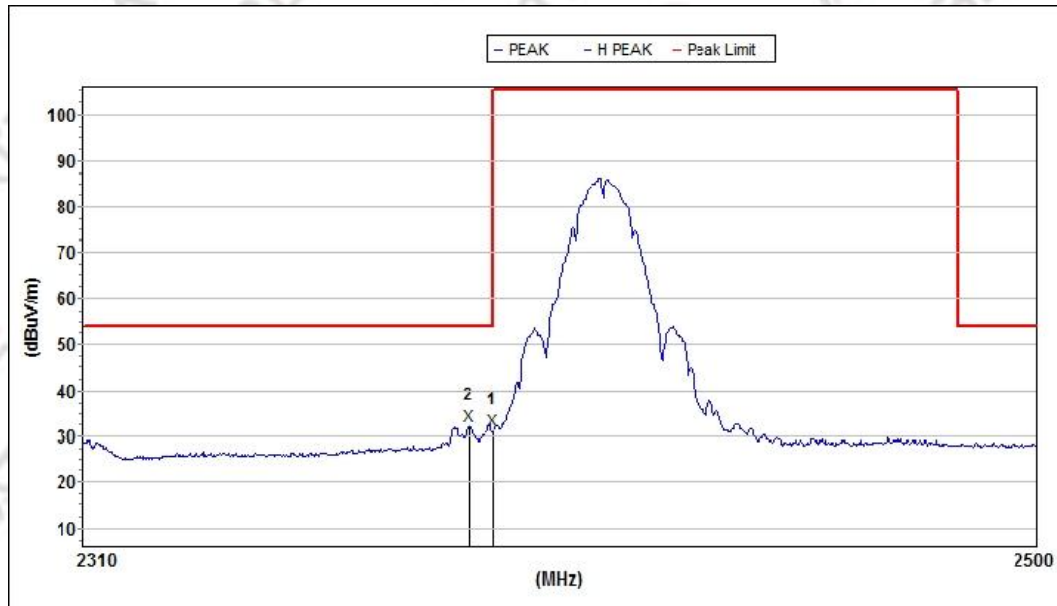
802.11b-Low

Horizontal



Mk.	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak								
1	2390.000000	40.8	74.0	33.2	27.3	59.6	2.8	H
2	2384.956727	44.5	74.0	29.5	27.3	59.6	2.8	H

Horizontal



Mk.	Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG								
1	2390.000000	31.4	54.0	22.6	27.3	59.6	2.8	H
2	2384.956727	32.4	54.0	21.6	27.3	59.6	2.8	H