

TEST REPORT

Report No.: SHATBL2310006W06

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 Part15.407

Date of Test : 2023.02.28-2023.04.01

Report Prepared by :

Jack Suo

(Jack Suo)

Report Approved by :

Ghost Li.

(Ghost Li)

Authorized Signatory :

Terry Yang

(Terry Yang)



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Test Report Certification

Applicant..... SUZHOU XI NENG POWER CO. LTD.

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

Manufacturer's Name..... SUZHOU XI NENG POWER CO. LTD.

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

Product Description

Product Name..... Xnergy Smart Display Module

Brand Name..... N/A

Model Name..... XG-HMI7

Series Model..... N/A

Test Standards..... FCC Part15.407

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/IC 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..... : 2023.10.13

Date (s) of performance of tests..... : 2023.10.20-2023.11.10

Date of Issue..... : 2023.11.13

Test Result..... : Pass

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Revision History

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

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

§ 15.407,KDB789033 D02 General U-NII Test Procedures New Rules v02r01

FCC Part15.407		
FCC standard	Test Item	Results
15.207	AC Conducted Emission	PASS
15.407 (a) /15.407 (e)	26dB/6dB&99% Bandwidth	PASS
15.407(a)	Maximum Conducted Output Power	PASS
15.407(b)/15.205/15.209	Radiated Emission And (Band edge Emissions) Measurement	PASS
15.407(a)	Power Spectral Density	PASS
15.407(c)	Automatically Discontinue Transmission	PASS
15.203	Antenna Requirement	PASS

Remarks:

(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	Xnergy Smart Display Module	
Trade Name	N/A	
Model Name	XG-HMI7	
Series Model	N/A	
Model Difference	N/A	
Product Description	The EUT is a Xnergy Smart Display Module	
	Operation Frequency	U-NII-I:5150MHz - 5250MHz U-NII-III:5725MHz - 5850MHz
	Modulation Type	802.11a/n(OFDM): BPSK,QPSK,16QAM,64QAM
	Channel List	Please refer to note 2.
	Antenna type	External Antenna
	Antenna Gain(Peak):	3 dBi
	More details of EUT technical specification, please refer to the User's Manual.	
Channel List	Please refer to the REMARK 2.	
Battery	N/A	
Adapter	Model:TEKA-TC120150XX Brand:TEKA Input: AC:100~240V 50/60Hz 0.5A MAX Output: DC12V 1.5A 18W	
Hardware version number	R1.01	
Software version number	V1.0.3	
Connecting I/O Port(s)	Please refer to the REMARK 1.	

REMARKS:

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

Channel List for 802.11a/n/ac/ax(20MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240
149	5745	153	5765	157	5785	161	5805
165	5825	--	--	--	--	--	--

Channel List for 802.11n/ac/ax(40MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	151	5755	159	5795

Channel List for 802.11ac/ax(80MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	155	5775	--	--	--	--

Channel List for 802.11ac/ax(160MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
50	5250	--	--	--	--	--	--

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

Channel List for 802.11a/n (20MHz)		
Frequency Band	Channel	Test Frequency (MHz)
Band I	CH 36	5180
Band I	CH 40	5200
Band I	CH 48	5240
Band IV	CH 149	5745
Band IV	CH 157	5785
Band IV	CH 165	5825

Channel List for 802.11 n(40MHz)		
Frequency Band	EUT Channel	Test Frequency (MHz)
Band I	CH 38	5190
Band I	CH 46	5230
Band IV	CH 151	5755
Band IV	CH 159	5795

Ant.	Antenna Type	Connector	Gain (dBi)	REMARK
0	External Antenna	N/A	3	WLAN ANT

2.2. DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11a CH36&CH40&CH48	6 Mbps
Mode 2	TX IEEE 802.11a CH149&CH157&CH165	6 Mbps
Mode 3	TX IEEE 802.11n20 CH36&CH40&CH48	MCS 0
Mode 4	TX IEEE 802.11n20 CH149&CH157&CH165	MCS 0
Mode 5	TX IEEE 802.11n40 CH38&CH46	MCS 0
Mode 6	TX IEEE 802.11n40 CH151&CH159	MCS 0

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
- (3) 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.

AC Conducted Emission

Test Mode	Description
Mode7	Keeping WIFI TX + WLAN Link (RD1202000-C55-154MG)

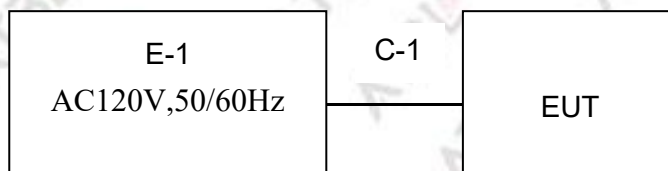
2.3. TEST SOFTWARE AND POWER LEVEL

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

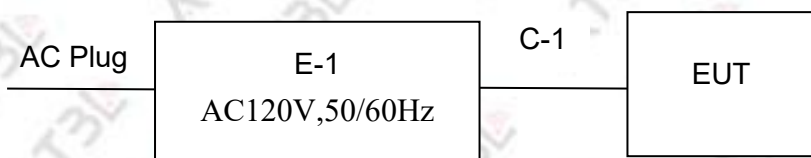
RF Function	Ant No.	Mode Or Modulation type	Ant Gain(dBi)	Power Class	Software For Testing
WIFI(5G)	0	802.11a	3	80	Provided by the customer
		802.11n20			
		802.11n40			

2.4. BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



Conducted Emission Test



2.5. DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

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

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	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) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.6. 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	$\pm 23.20\text{Hz}$
6	Power spectral density	$\pm 0.886\text{dB}$

2.8. EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Management number	Calibrated until
Test Receiver	R&S	ESCI	100469	SHATBL-E003	2024.07.09
Spectrum Analyzer	Agilent	N9020A	MY50200811	SHATBL-E017	2024.07.09
Loop Antenna	Daze	ZN30900C	20077	SHATBL-E042	2024.07.09
Bilog Antenna	SCHWARZBECK	VLUB 9168	01174	SHATBL-E008	2024.07.09
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	SHATBL-E009	2024.07.09
Horn Antenna(18-40G)	COM-POWER	AH-1840	10100008	SHATBL-E043	2024.07.09
Pre-Amplifier (0.1M-3GHz)	JPT	JPA-10M1G35	21010100035001	SHATBL-E005	2024.07.09
Pre-Amplifier (1G-18GHz)	JPT	JPA0118-55-303A	1910001800055000	SHATBL-E006	2024.07.09
Temperature & Humidity	DeLi	DeLi	N/A	SHATBL-E016	2024.07.09
Antenna/Turntable Controller	Brilliant	N/A	N/A	SHATBL-E007	N/A
Test SW	FALA	EMC-RI(Ver.4A2)		SHATBL-E046	N/A

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESPI	101679	SHATBL-E012	2024.05.09
LISN	R&S	ENV216	101300	SHATBL-E013	2024.05.30
LISN	R&S	ENV216	100333	SHATBL-E041	2024.05.09
Temperature & Humidity	DeLi	DeLi	N/A	SHATBL-E015	2024.09.19
Test SW	FALA	EZ-EMC(Ver.EMC-CON3A1.1)		SHATBL-E044	N/A

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	2024.07.09
			RPR6W-20001005	SHATBL-W013	2024.07.09
Signal Analyzer	Agilent	N9020A	MY57300196	SHATBL-W004	2024.07.09
Signal Generator	Agilent	N5182B	MY46240556	SHATBL-W005	2024.07.09
Wireless Communications Test Set	R&S	CMW500	101331	SHATBL-W007	2024.07.09
Temperature & Humidity	Deli	deli	N/A	SHATBL-W011	2024.07.09
Attenuator	Agilent	8494B	DC-18G	SHATBL-W009	2024.07.09
Attenuator	Agilent	8496B	DC-18G	SHATBL-W010	2024.07.09
power splitter	MNK	MPD-DC/6-2S	62315 G51	SHATBL-W015	2024.07.09
			62315 G52	SHATBL-W016	2024.07.09
Filter	Chengdu kangmaiwei	ZBSF-C2400-24 83.5-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

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

0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

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.
- (3)

The following table is the setting of the receiver

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

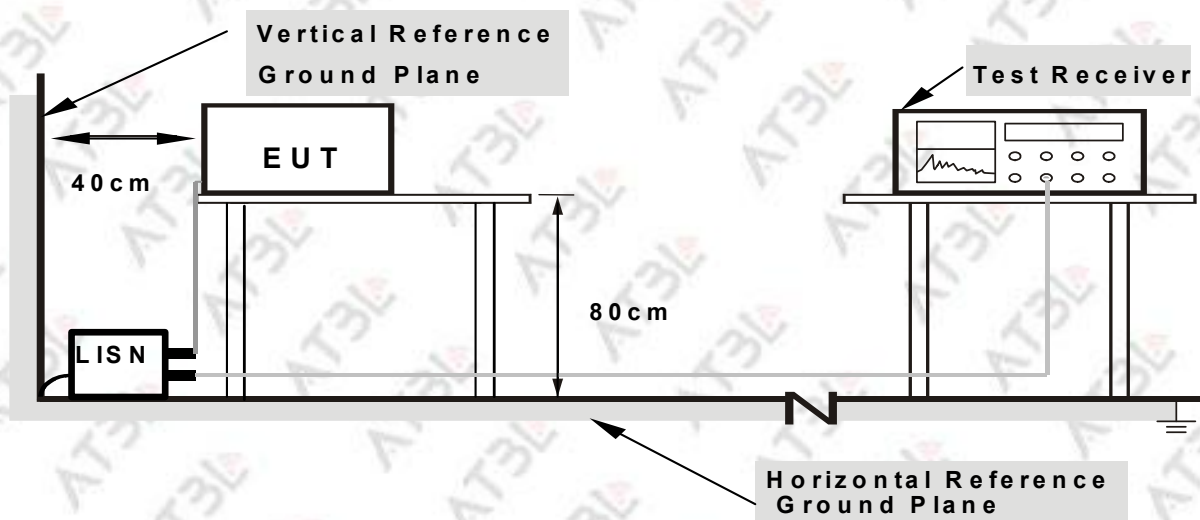
3.1.2. TEST PROCEDURE

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

3.1.3. DEVIATION FROM TESTS TANDARD

No deviation

3.1.4. TEST SETUP



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

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

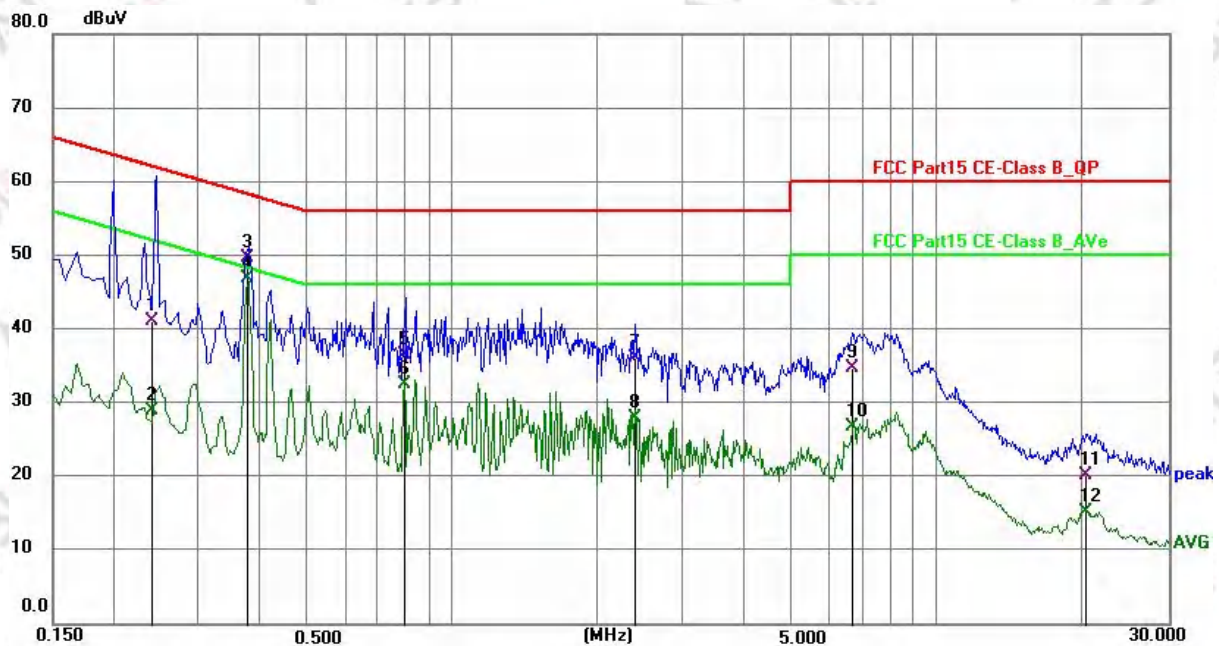
3.1.5. EUT OPERATING CONDITIONS

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.

3.1.6. TEST RESULTS

Temperature:	24.6 °C	Relative Humidity:	54%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode :	Mode 7		

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.2408	31.16	9.84	41.00	62.07	-21.07	QP
2	0.2408	19.02	9.84	28.86	52.07	-23.21	AVG
3	0.3788	39.86	9.83	49.69	58.31	-8.62	QP
4	0.3788	37.00	9.83	46.83	48.31	-1.48	AVG
5	0.7987	26.70	9.88	36.58	56.00	-19.42	QP
6	0.7987	22.60	9.88	32.48	46.00	-13.52	AVG
7	2.3979	26.08	9.99	36.07	56.00	-19.93	QP
8	2.3979	18.01	9.99	28.00	46.00	-18.00	AVG
9	6.7008	24.56	10.11	34.67	60.00	-25.33	QP
10	6.7008	16.68	10.11	26.79	50.00	-23.21	AVG
11	20.2143	9.64	10.53	20.17	60.00	-39.83	QP
12	20.2143	4.79	10.53	15.32	50.00	-34.68	AVG



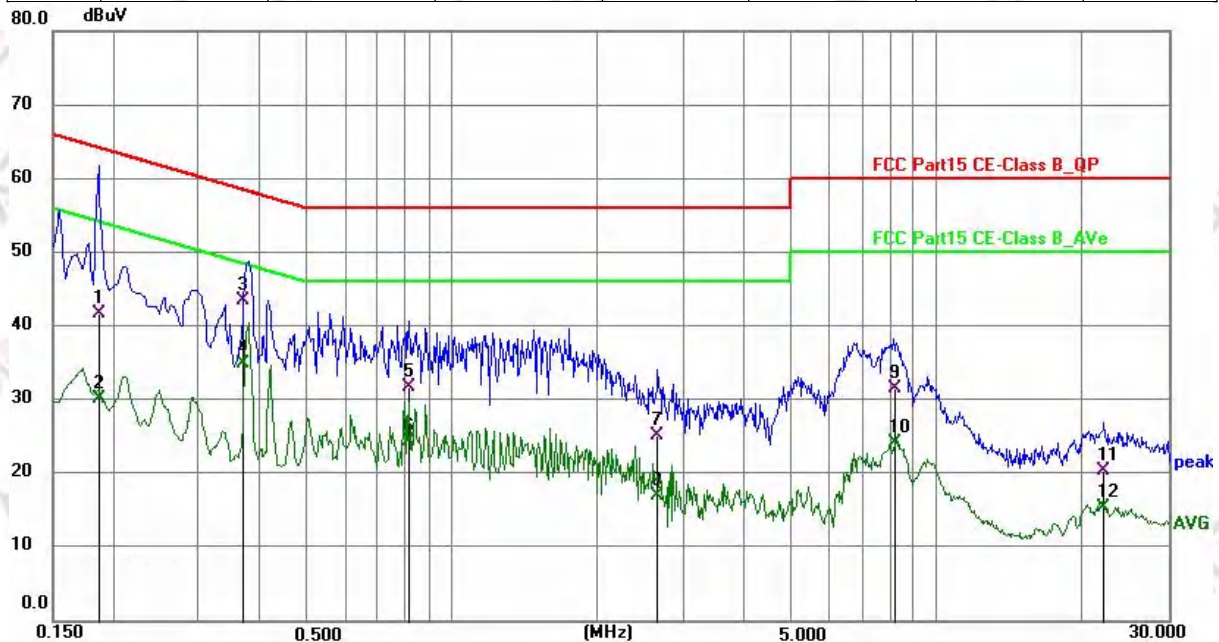
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Temperature:	24.6 °C	Relative Humidity:	54%
Test Voltage	AC 120V/60Hz	Phase:	N
Test Mode	Mode 7		

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1870	31.96	9.82	41.78	64.17	-22.39	QP
2	0.1870	20.39	9.82	30.21	54.17	-23.96	AVG
3	0.3723	33.71	9.77	43.48	58.45	-14.97	QP
4	0.3723	25.24	9.77	35.01	48.45	-13.44	AVG
5	0.8199	21.96	9.78	31.74	56.00	-24.26	QP
6	0.8199	14.69	9.78	24.47	46.00	-21.53	AVG
7	2.6658	15.19	9.96	25.15	56.00	-30.85	QP
8	2.6658	6.98	9.96	16.94	46.00	-29.06	AVG
9	8.1533	21.49	10.01	31.50	60.00	-28.50	QP
10	8.1533	14.16	10.01	24.17	50.00	-25.83	AVG
11	22.0836	9.71	10.61	20.32	60.00	-39.68	QP
12	22.0836	4.77	10.61	15.38	50.00	-34.62	AVG



REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

3.2. RADIATED EMISSION MEASUREMENT

3.2.1. RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.407(b)7& 15.205/209(a), then the (a); limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/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)	Class B (dBμV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	68.2	54

Note:

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

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

For Band edge

Spectrum Parameter	Setting
Detector	Peak
RB / VB (emission in restricted band)	1MHz / 1MHz, AV=1 MHz /3 MHz

Receiver Parameter	Setting
Attenuation	Auto
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

a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.8 meters(above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. 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 polarizations of the antenna are set to make the measurement

d. 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 then Quasi Peak detector mode re-measured.

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

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

Note:

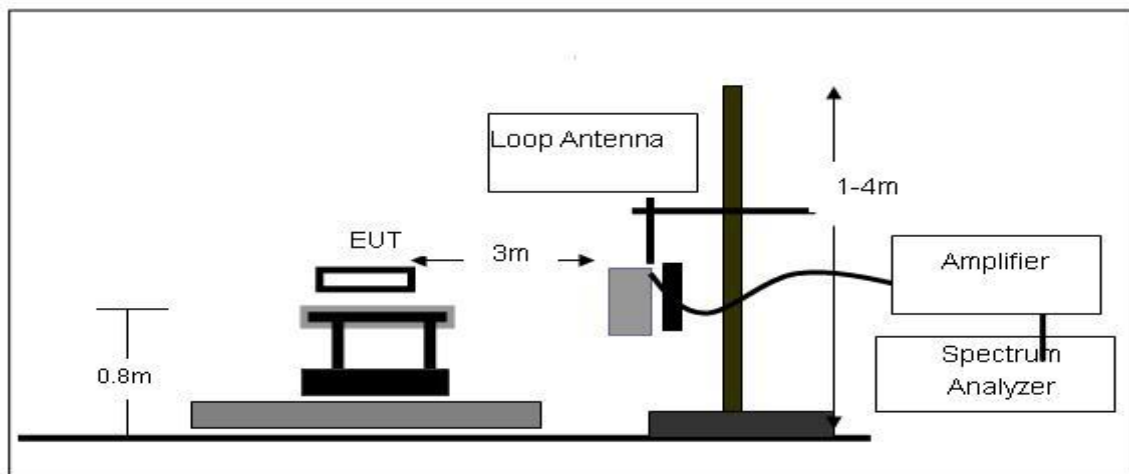
Both horizontal and vertical antenna polarities were tested and performed test to three orthogonal axis. The worst case emissions were reported

3.2.3. DEVIATION FROM TEST STANDARD

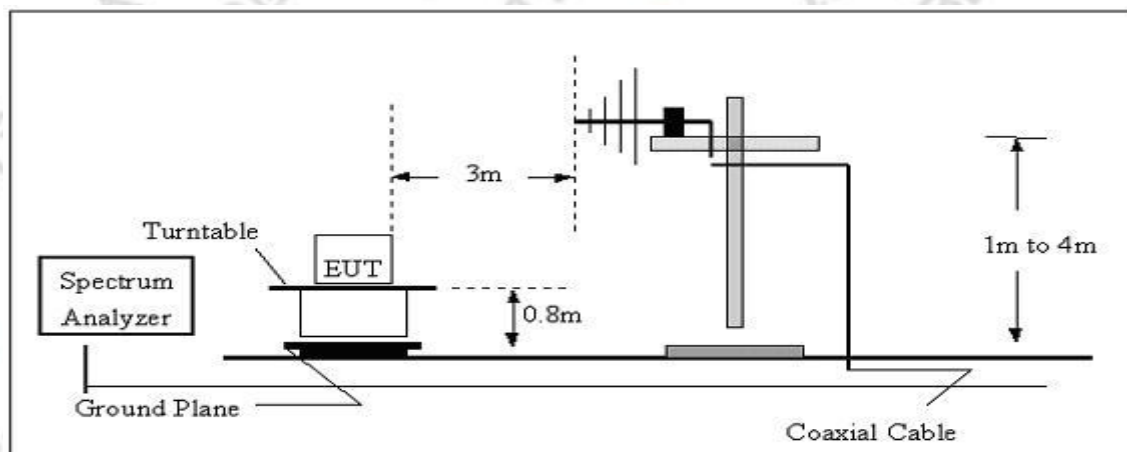
No deviation

3.2.4. TEST SETUP

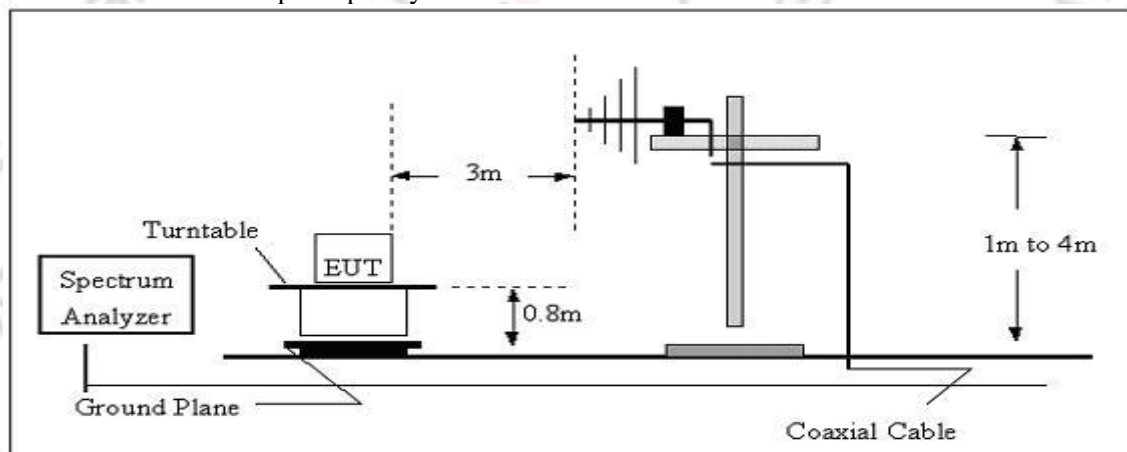
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



3.2.5. EUT OPERATING CONDITIONS

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

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

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

3.2.7. TEST RESULTS**3.2.7.1. FOR RADIATED SPURIOUS EMISSIONS**

For 9kHz~30MHz

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	--
Test Mode:	Test 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 = $40 \log (\text{specific distance}/\text{test distance})$ (dB);

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

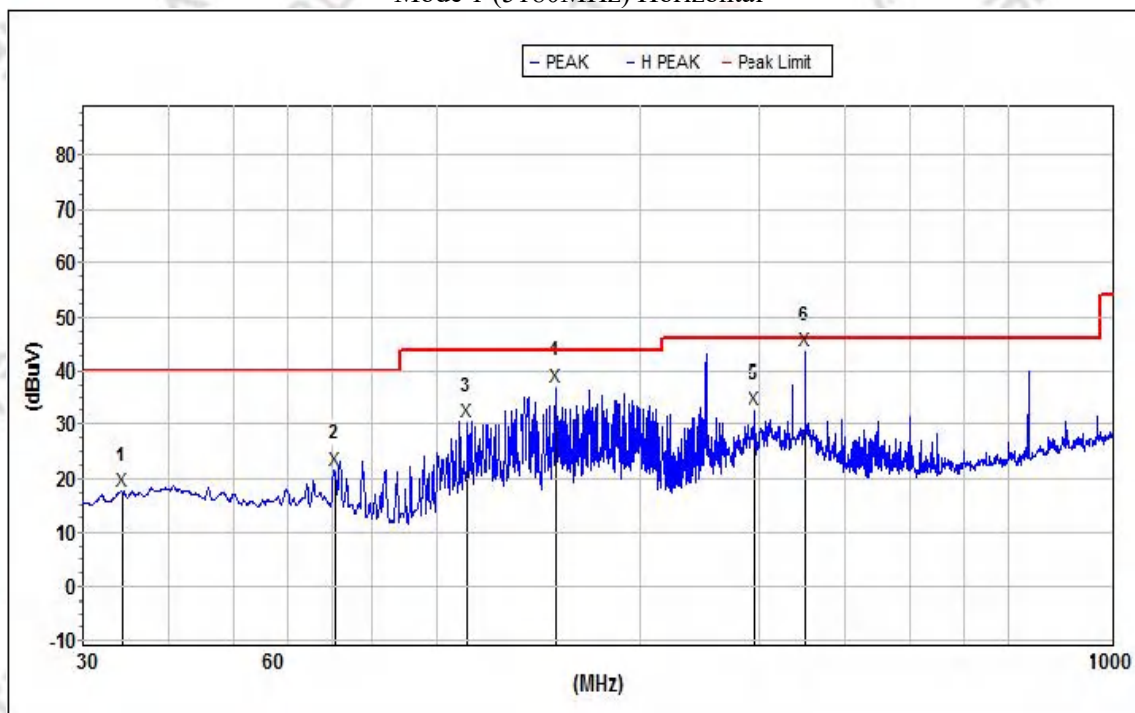
For 30MHz~1000MHz

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Horizontal
Test Mode:	Test mode 1		

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.

Mode 1 (5180MHz) Horizontal



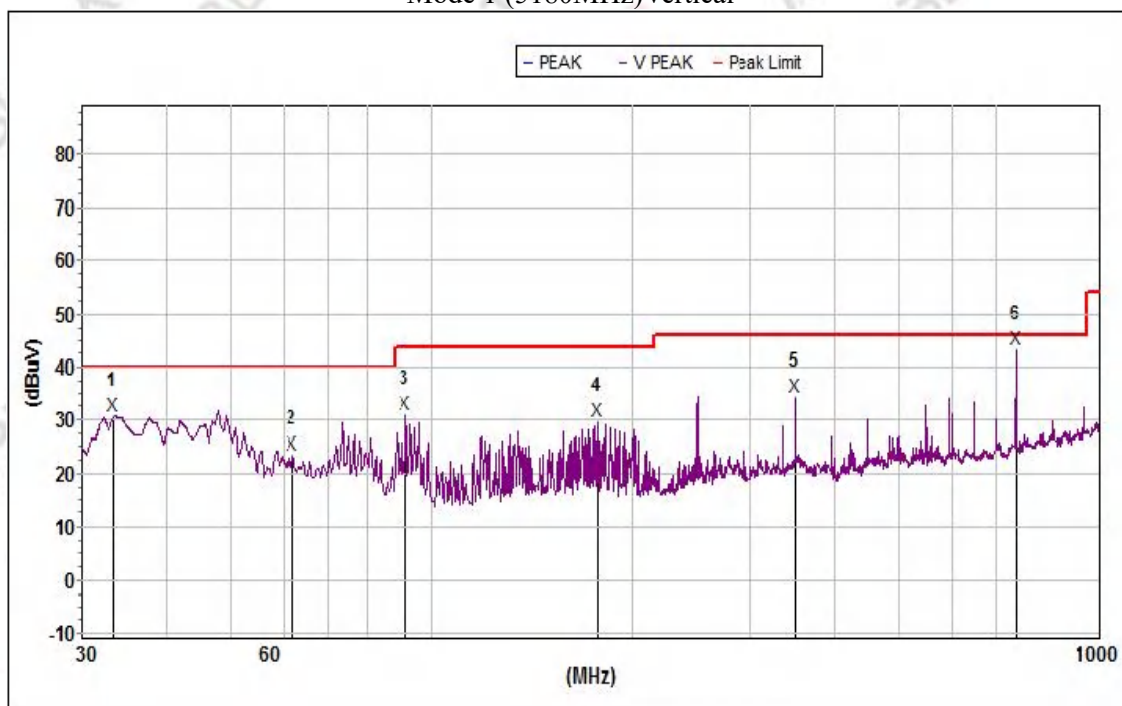
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	34.336189	17.7	40.0	22.3	180	100	15.4	26.8	0.5	H
2	70.707439	21.7	40.0	18.3	160	100	13.1	27.0	0.9	H
3	110.957082	30.5	43.5	13.0	360	100	12.2	27.0	1.1	H
4	149.748044	37.0	43.5	6.5	22	100	14.5	27.0	1.4	H
5	295.146880	32.8	46.0	13.2	241	100	15.4	27.1	2.0	H
6	349.862839	43.7	46.0	2.3	221	100	16.8	27.2	2.3	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 1		

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.

Mode 1 (5180MHz)Vertical



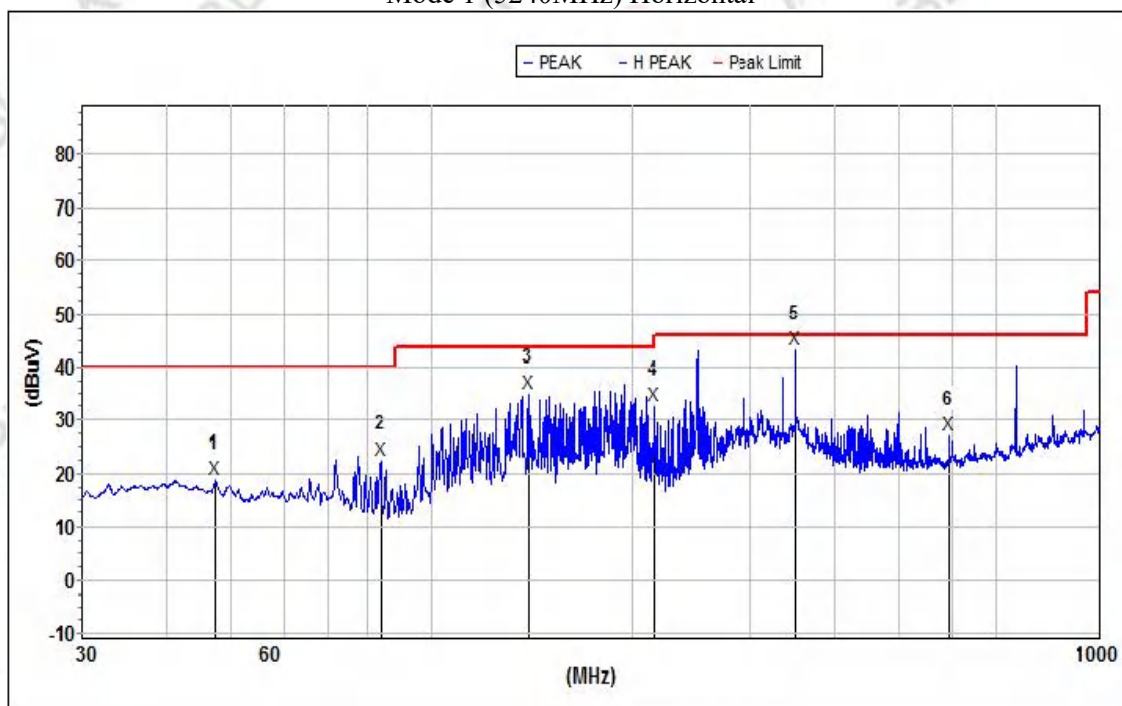
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	30.8	40.0	9.2	316	100	18.3	26.9	0.5	V
2	61.995070	23.4	40.0	16.6	316	100	17.6	26.9	0.8	V
3	91.494860	31.0	43.5	12.5	297	100	13.9	27.0	1.0	V
4	176.887808	29.7	43.5	13.8	316	100	13.6	26.7	1.5	V
5	349.862839	34.5	46.0	11.5	335	100	16.2	27.2	2.3	V
6	750.108251	43.2	46.0	2.8	236	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 1		

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.

Mode 1 (5240MHz) Horizontal



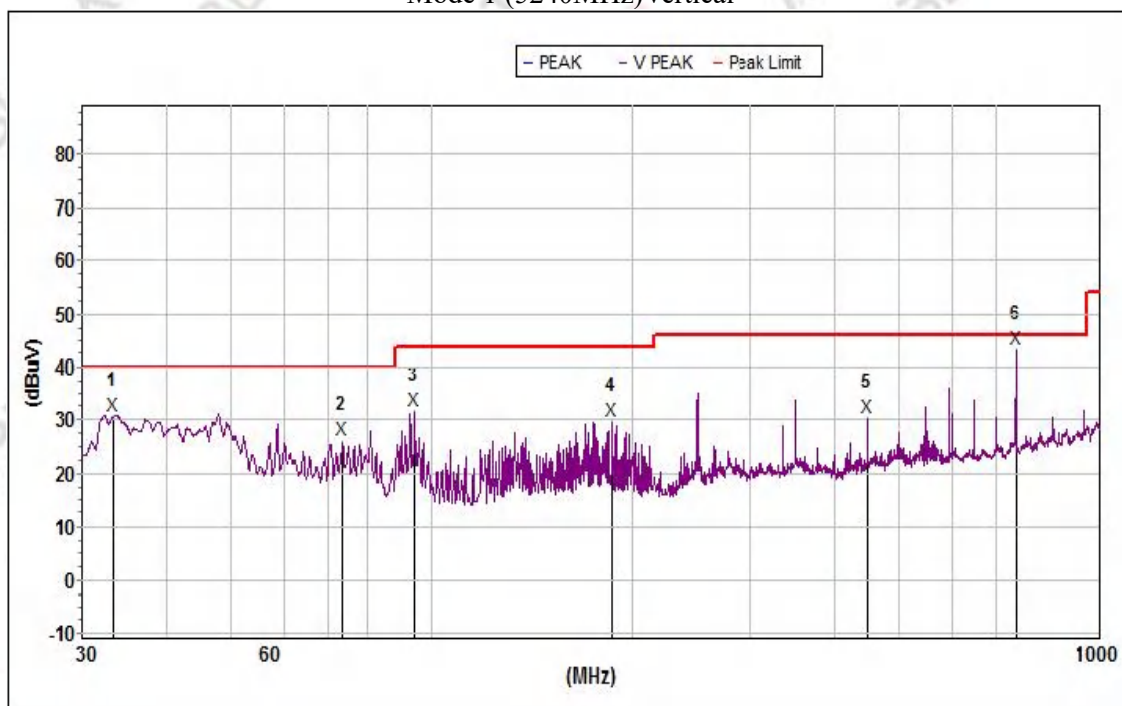
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	47.408578	18.8	40.0	21.2	100	100	15.5	26.8	0.6	H
2	83.815575	22.7	40.0	17.3	41	100	10.7	27.0	1.0	H
3	139.605839	35.2	43.5	8.3	41	100	13.9	27.0	1.3	H
4	215.645574	32.7	43.5	10.8	120	100	12.6	26.7	1.7	H
5	349.862839	43.3	46.0	2.7	220	100	16.8	27.2	2.3	H
6	593.049668	27.2	46.0	18.8	301	100	18.5	26.1	3.1	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 1		

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.

Mode 1 (5240MHz)Vertical



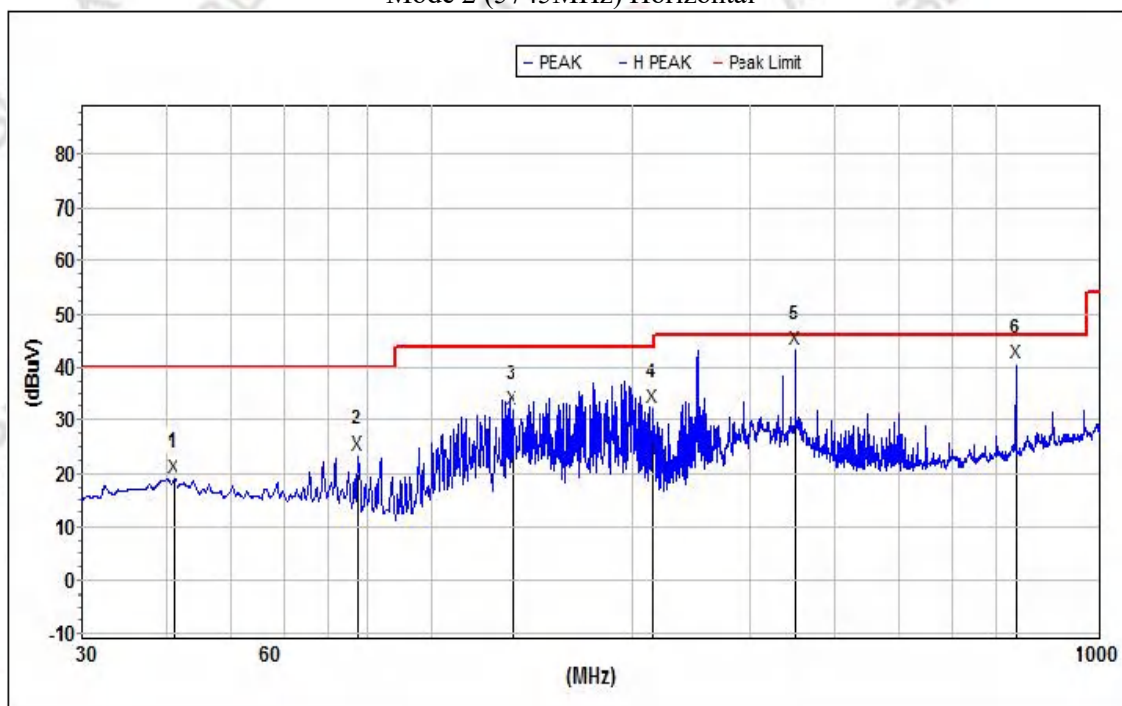
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	30.7	40.0	9.3	319	100	18.3	26.9	0.5	V
2	73.617017	26.2	40.0	13.8	39	100	15.6	27.0	0.9	V
3	94.428394	31.6	43.5	11.9	59	100	13.2	27.0	1.0	V
4	186.114256	29.8	43.5	13.7	338	100	13.2	26.6	1.6	V
5	449.555842	30.4	46.0	15.6	198	100	18.4	26.8	2.6	V
6	750.108251	43.2	46.0	2.8	299	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 2		

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.

Mode 2 (5745MHz) Horizontal



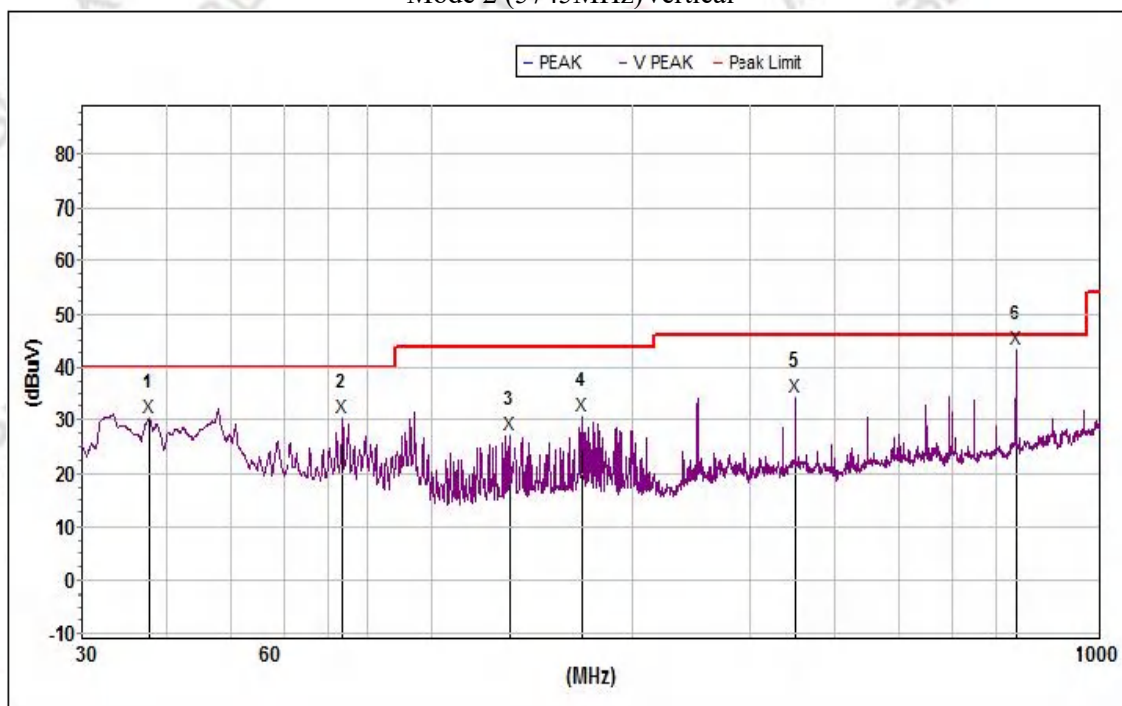
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	41.132049	19.3	40.0	20.7	279	100	16.4	26.5	0.6	H
2	77.456872	23.4	40.0	16.6	22	100	11.2	27.0	0.9	H
3	131.757724	32.2	43.5	11.3	350	100	13.4	27.0	1.3	H
4	214.138517	32.5	43.5	11.0	120	100	12.5	26.6	1.7	H
5	349.862839	43.2	46.0	2.8	240	100	16.8	27.2	2.3	H
6	750.108251	40.5	46.0	5.5	39	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 2		

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.

Mode 2 (5745MHz)Vertical



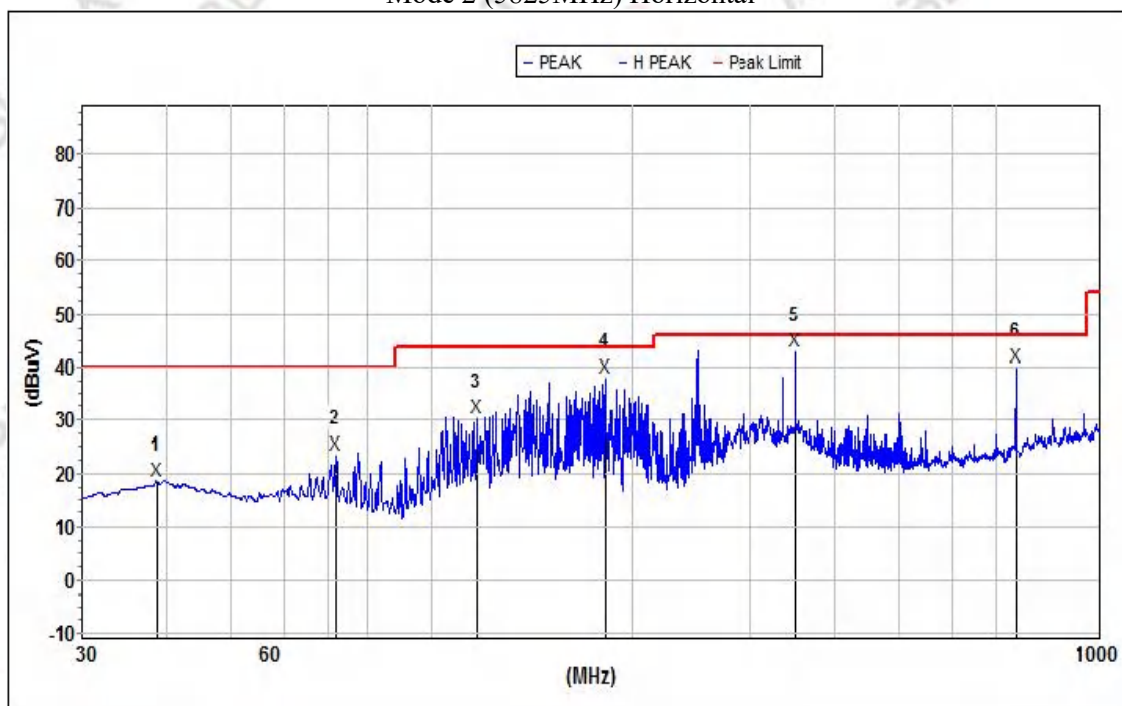
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	37.745902	30.4	40.0	9.6	358	100	19.0	26.6	0.5	V
2	73.617017	30.5	40.0	9.5	41	100	15.6	27.0	0.9	V
3	130.378941	27.1	43.5	16.4	360	100	13.6	27.0	1.3	V
4	168.118752	30.9	43.5	12.6	351	100	13.9	26.8	1.5	V
5	349.862839	34.3	46.0	11.7	323	100	16.2	27.2	2.3	V
6	750.108251	43.3	46.0	2.7	223	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 2		

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.

Mode 2 (5825MHz) Horizontal



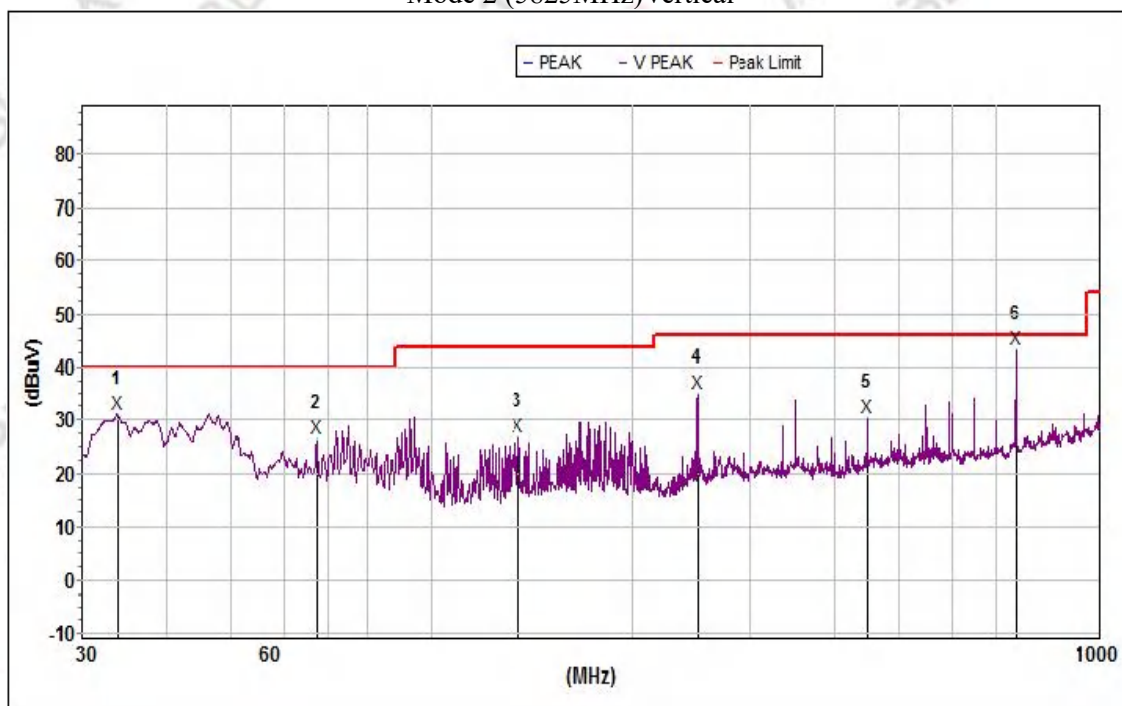
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	38.683874	18.7	40.0	21.3	1	100	16.2	26.6	0.6	H
2	72.084342	23.5	40.0	16.5	157	100	12.7	27.0	0.9	H
3	116.744591	30.4	43.5	13.1	0	100	12.6	27.0	1.2	H
4	181.283406	38.1	43.5	5.4	37	100	12.9	26.7	1.6	H
5	349.862839	43.0	46.0	3.0	238	100	16.8	27.2	2.3	H
6	750.108251	40.1	46.0	5.9	37	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 2		

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.

Mode 2 (5825MHz)Vertical



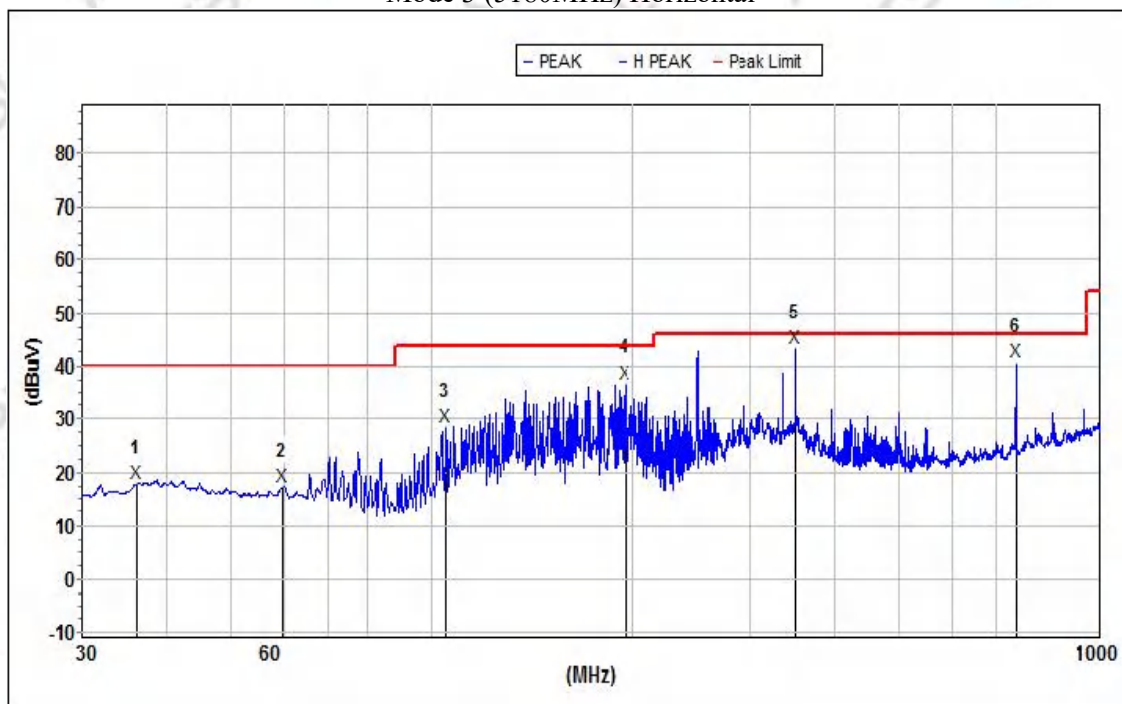
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.857943	31.1	40.0	8.9	360	100	18.4	26.9	0.5	V
2	67.320108	26.5	40.0	13.5	262	100	16.9	27.0	0.8	V
3	135.031856	26.9	43.5	16.6	352	100	13.8	27.0	1.3	V
4	249.862716	35.2	46.0	10.8	142	100	14.7	27.0	1.9	V
5	449.555842	30.6	46.0	15.4	184	100	18.4	26.8	2.6	V
6	750.108251	43.2	46.0	2.8	301	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Horizontal
Test Mode:	Test mode 3		

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.

Mode 3 (5180MHz) Horizontal



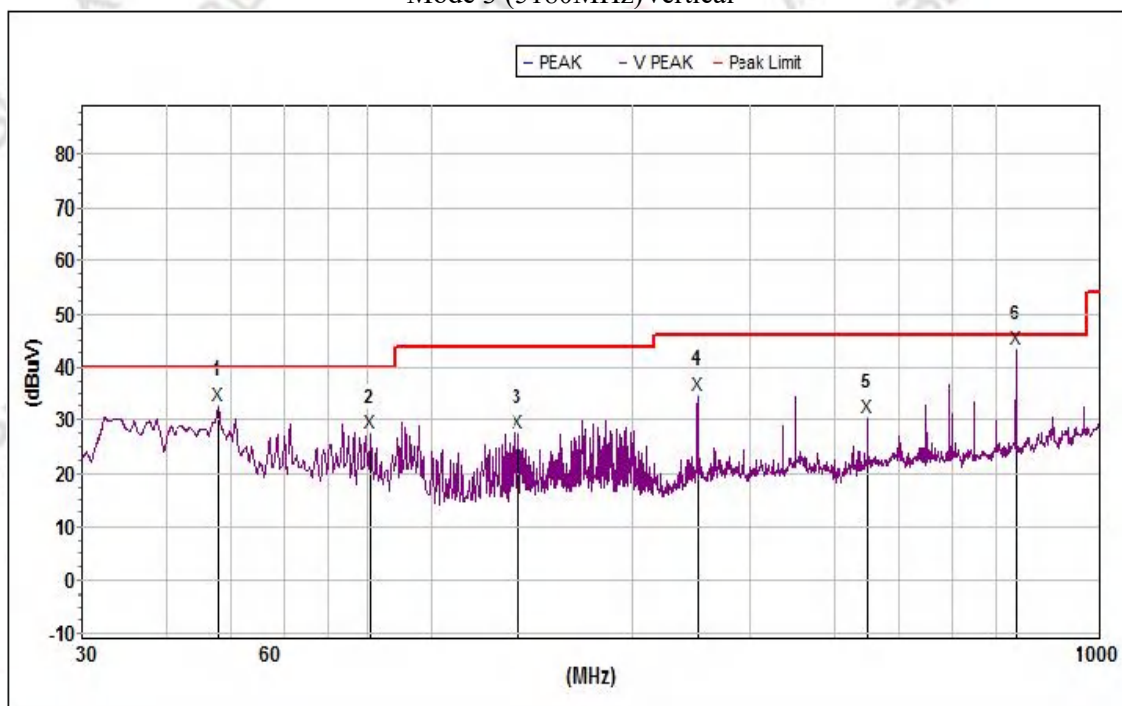
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	36.190557	17.9	40.0	22.1	79	100	15.7	26.7	0.5	H
2	59.649319	17.3	40.0	22.7	99	100	14.7	26.9	0.8	H
3	105.087342	28.6	43.5	14.9	357	100	11.9	27.0	1.1	H
4	194.794668	36.8	43.5	6.7	38	100	12.2	26.5	1.6	H
5	349.862839	43.4	46.0	2.6	258	100	16.8	27.2	2.3	H
6	750.108251	40.5	46.0	5.5	38	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 3		

Remark:

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

Mode 3 (5180MHz)Vertical



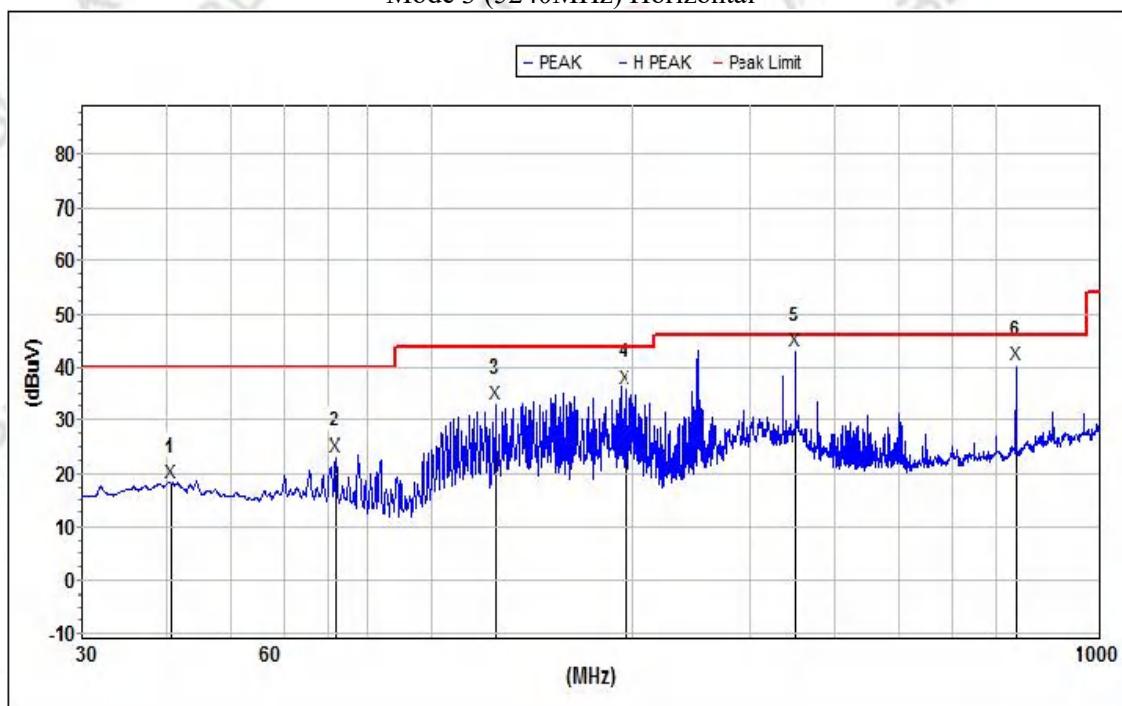
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	47.909933	32.6	40.0	7.4	217	100	18.8	26.8	0.6	V
2	80.785701	27.5	40.0	12.5	98	100	13.7	27.0	0.9	V
3	135.031856	27.6	43.5	15.9	159	100	13.8	27.0	1.3	V
4	249.862716	34.6	46.0	11.4	98	100	14.7	27.0	1.9	V
5	449.555842	30.4	46.0	15.6	178	100	18.4	26.8	2.6	V
6	750.108251	43.3	46.0	2.7	296	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 3		

Remark:

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

Mode 3 (5240MHz) Horizontal



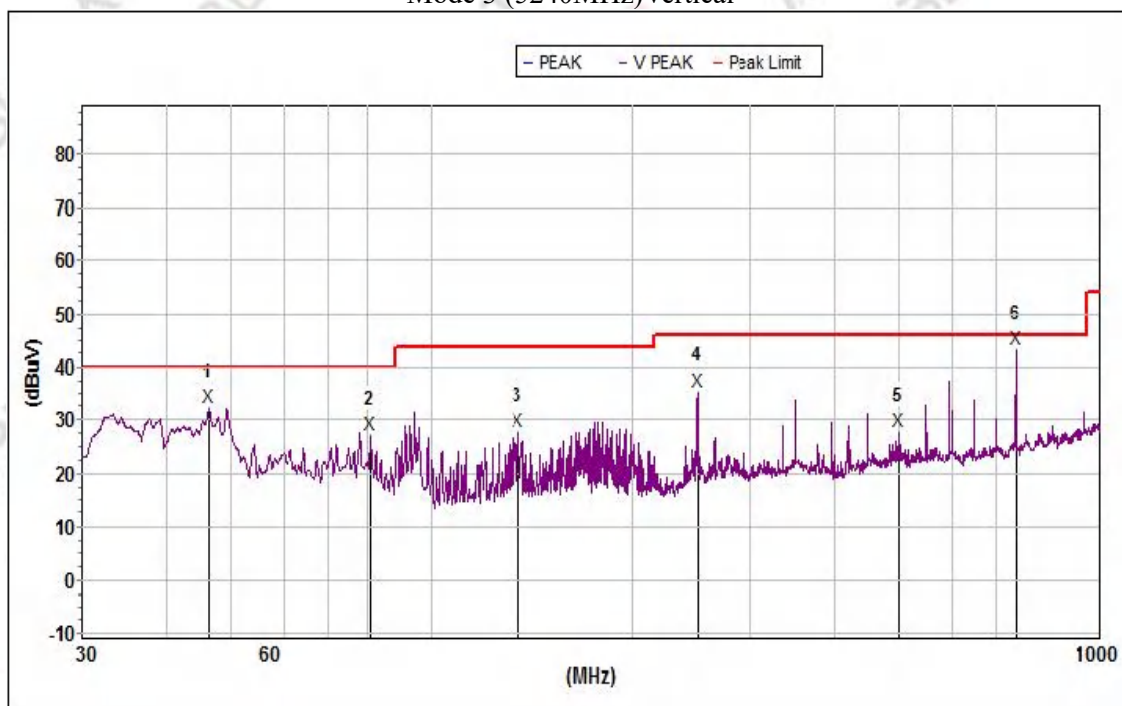
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	40.630322	18.4	40.0	21.6	360	100	16.4	26.5	0.6	H
2	71.706186	23.3	40.0	16.7	60	100	12.8	27.0	0.9	H
3	124.569014	33.2	43.5	10.3	38	100	13.0	27.0	1.2	H
4	194.794668	36.1	43.5	7.4	21	100	12.2	26.5	1.6	H
5	349.862839	43.1	46.0	2.9	239	100	16.8	27.2	2.3	H
6	750.108251	40.2	46.0	5.8	38	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 3		

Remark:

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

Mode 3 (5240MHz)Vertical



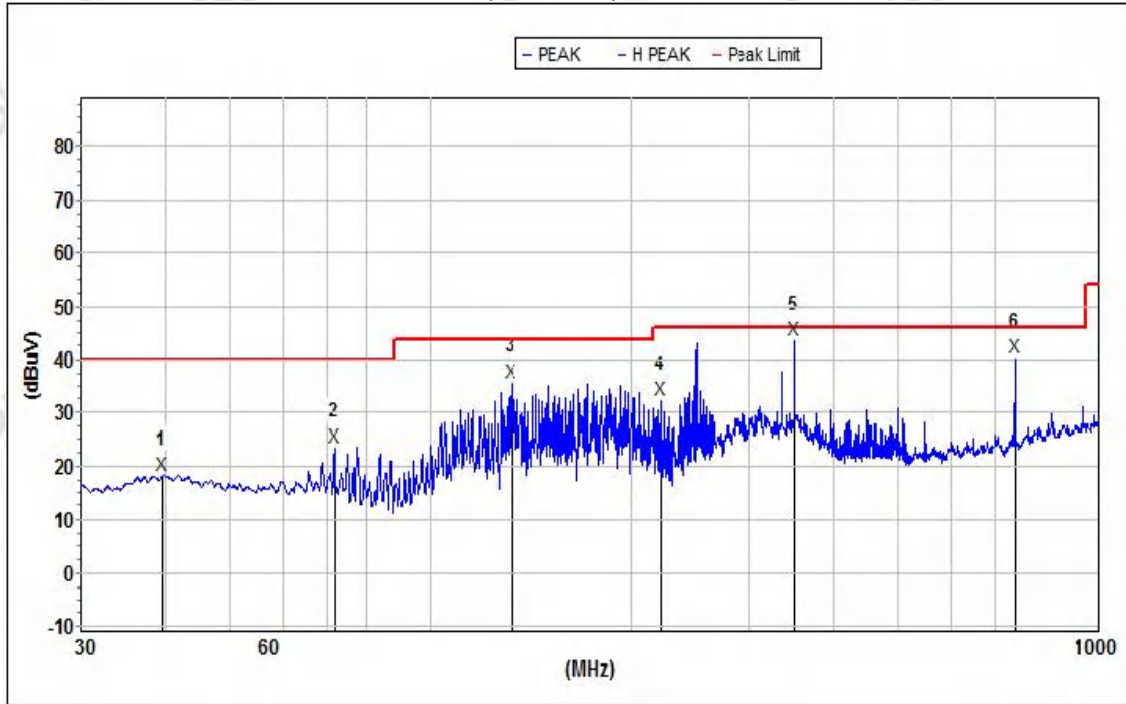
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	46.421552	32.5	40.0	7.5	357	100	19.0	26.8	0.6	V
2	80.785701	27.0	40.0	13.0	159	100	13.7	27.0	0.9	V
3	134.559188	27.7	43.5	15.8	349	100	13.8	27.0	1.3	V
4	249.862716	35.3	46.0	10.7	159	100	14.7	27.0	1.9	V
5	499.424690	27.7	46.0	18.3	159	100	18.3	26.2	2.8	V
6	750.108251	43.3	46.0	2.7	299	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 4		

Remark:

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

Mode 4 (5745MHz) Horizontal



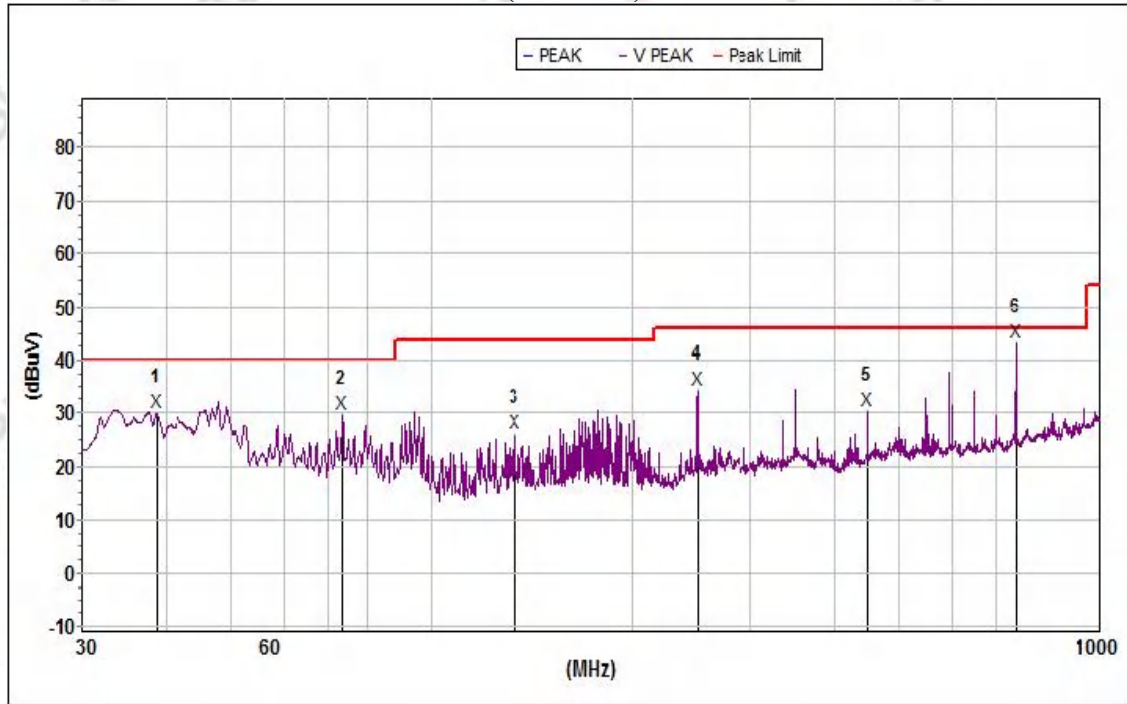
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	39.645155	18.4	40.0	21.6	0	100	16.4	26.5	0.6	H
2	71.706186	23.6	40.0	16.4	40	100	12.8	27.0	0.9	H
3	131.757724	35.8	43.5	7.7	59	100	13.4	27.0	1.3	H
4	221.780613	32.5	46.0	13.5	350	100	12.8	26.7	1.8	H
5	349.862839	43.6	46.0	2.4	241	100	16.8	27.2	2.3	H
6	750.108251	40.2	46.0	5.8	40	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 4		

Remark:

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

Mode 4 (5745MHz)Vertical



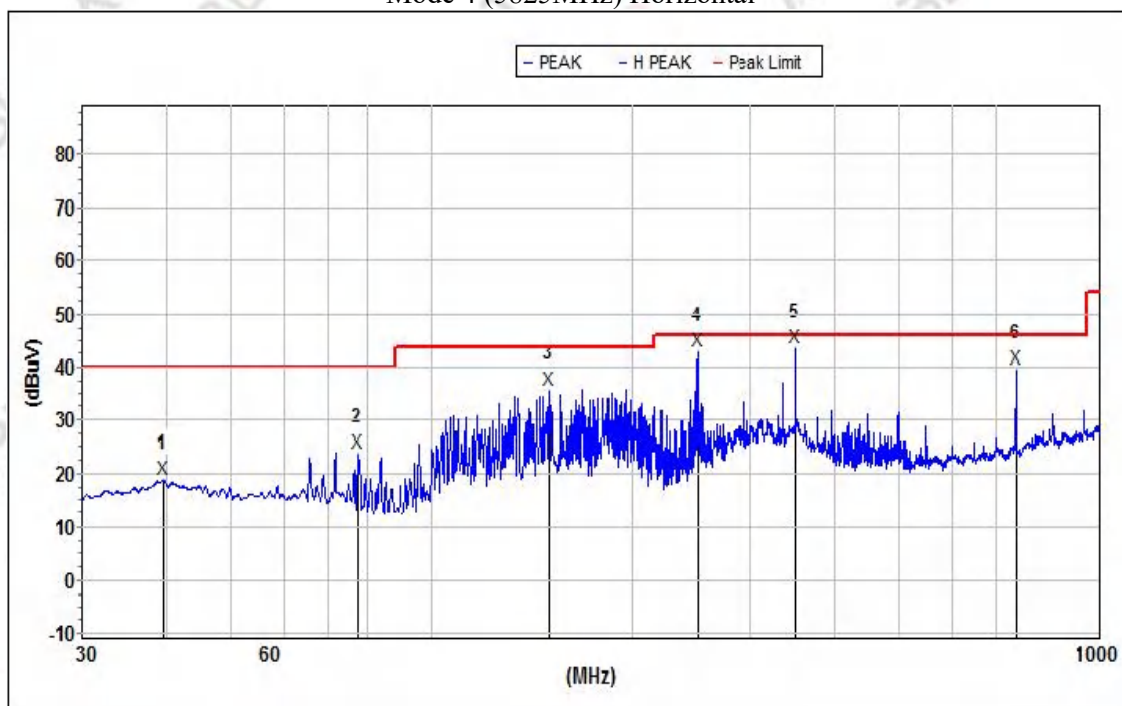
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	38.683874	30.2	40.0	9.8	358	100	19.2	26.6	0.6	V
2	73.617017	29.8	40.0	10.2	0	100	15.6	27.0	0.9	V
3	133.151089	26.2	43.5	17.3	141	100	13.7	27.0	1.3	V
4	249.862716	34.5	46.0	11.5	141	100	14.7	27.0	1.9	V
5	449.555842	30.6	46.0	15.4	182	100	18.4	26.8	2.6	V
6	750.108251	43.3	46.0	2.7	222	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 4		

Remark:

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

Mode 4 (5825MHz) Horizontal



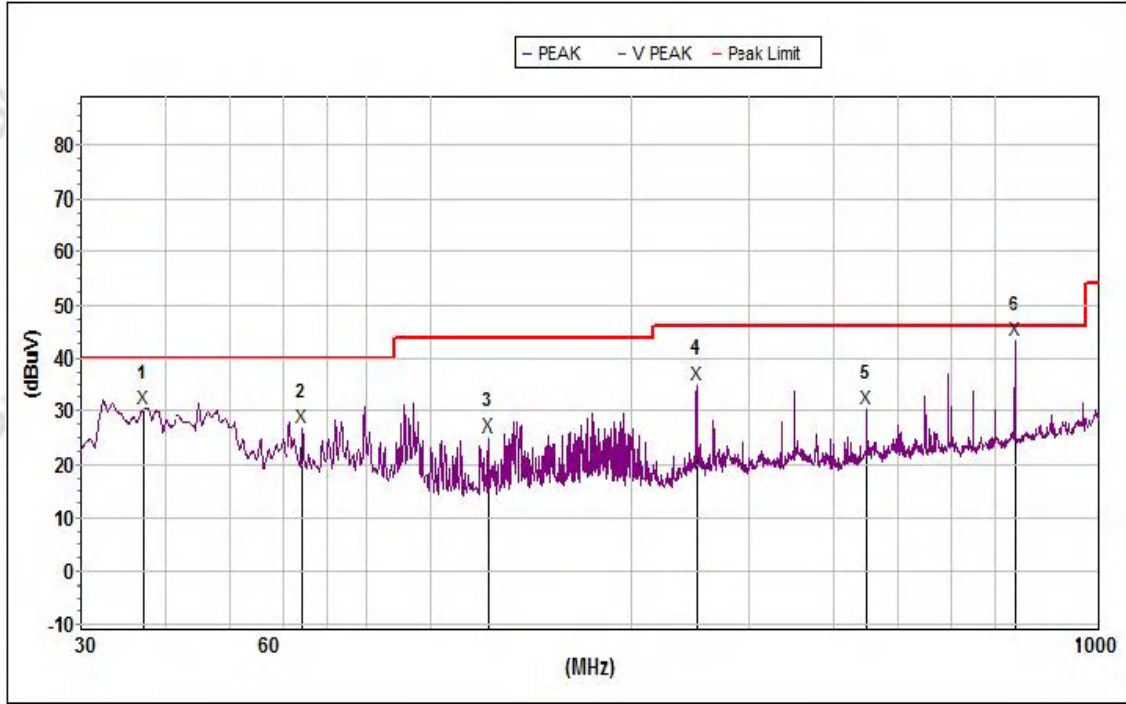
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	39.645155	18.9	40.0	21.1	181	100	16.4	26.5	0.6	H
2	77.456872	24.0	40.0	16.0	41	100	11.2	27.0	0.9	H
3	149.748044	35.8	43.5	7.7	0	100	14.5	27.0	1.4	H
4	249.862716	42.8	46.0	3.2	200	100	14.0	27.0	1.9	H
5	349.862839	43.6	46.0	2.4	239	100	16.8	27.2	2.3	H
6	750.108251	39.8	46.0	6.2	41	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 4		

Remark:

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

Mode 4 (5825MHz)Vertical



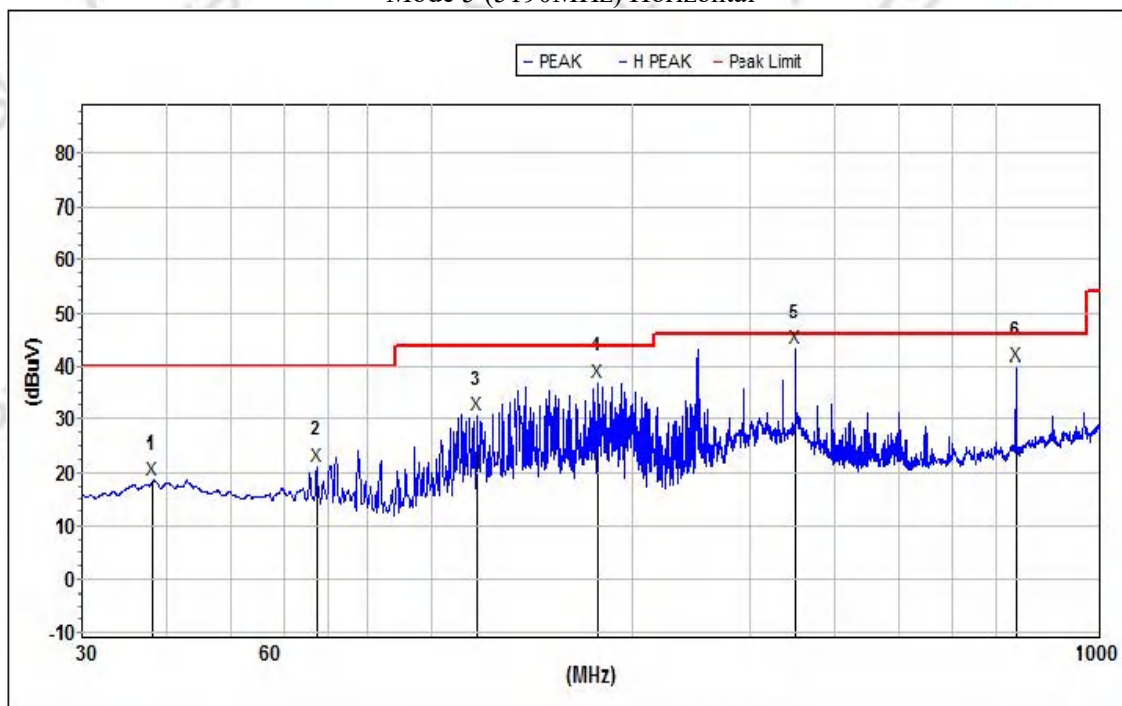
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	37.220165	30.6	40.0	9.4	320	100	19.0	26.7	0.5	V
2	64.433070	26.8	40.0	13.2	300	100	17.3	26.9	0.8	V
3	121.548576	25.1	43.5	18.4	350	100	13.1	27.0	1.2	V
4	249.862716	35.1	46.0	10.9	161	100	14.7	27.0	1.9	V
5	449.555842	30.6	46.0	15.4	180	100	18.4	26.8	2.6	V
6	750.108251	43.4	46.0	2.6	300	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Horizontal
Test Mode:	Test mode 5		

Remark:

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

Mode 5 (5190MHz) Horizontal



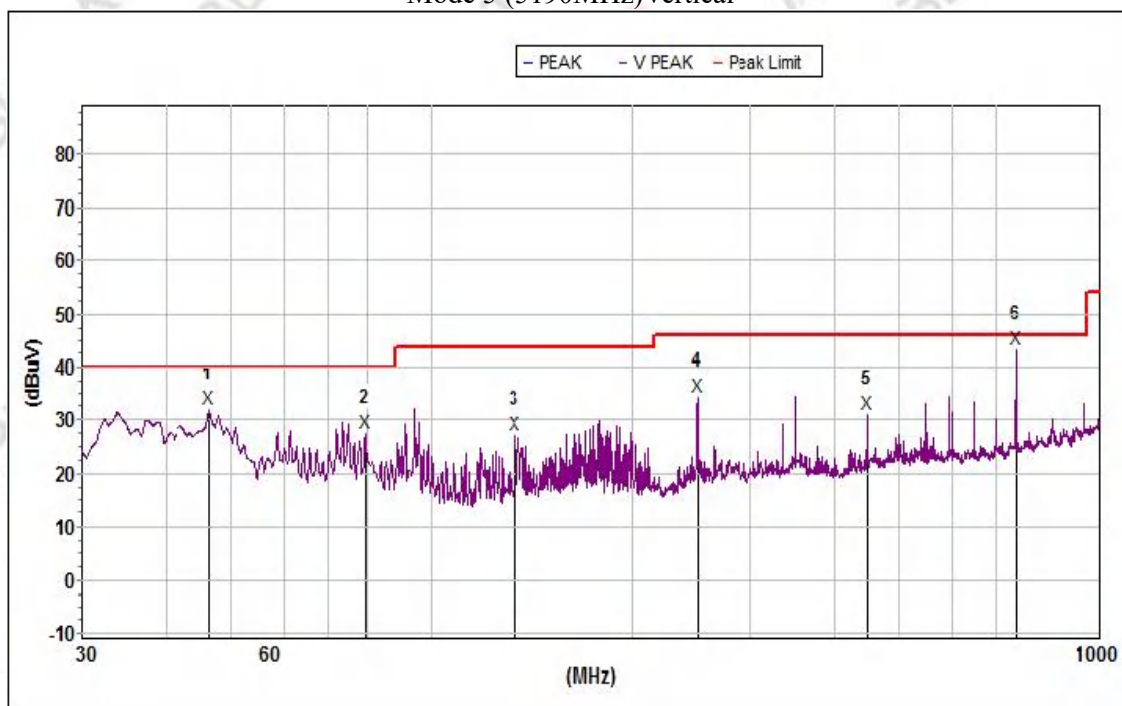
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	38.212010	18.5	40.0	21.5	237	100	16.1	26.6	0.6	H
2	67.320108	21.1	40.0	18.9	157	100	13.7	27.0	0.8	H
3	116.744591	30.7	43.5	12.8	8	100	12.6	27.0	1.2	H
4	176.887808	36.9	43.5	6.6	36	100	13.1	26.7	1.5	H
5	349.862839	43.2	46.0	2.8	237	100	16.8	27.2	2.3	H
6	750.108251	39.9	46.0	6.1	56	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 5		

Remark:

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

Mode 5 (5190MHz)Vertical



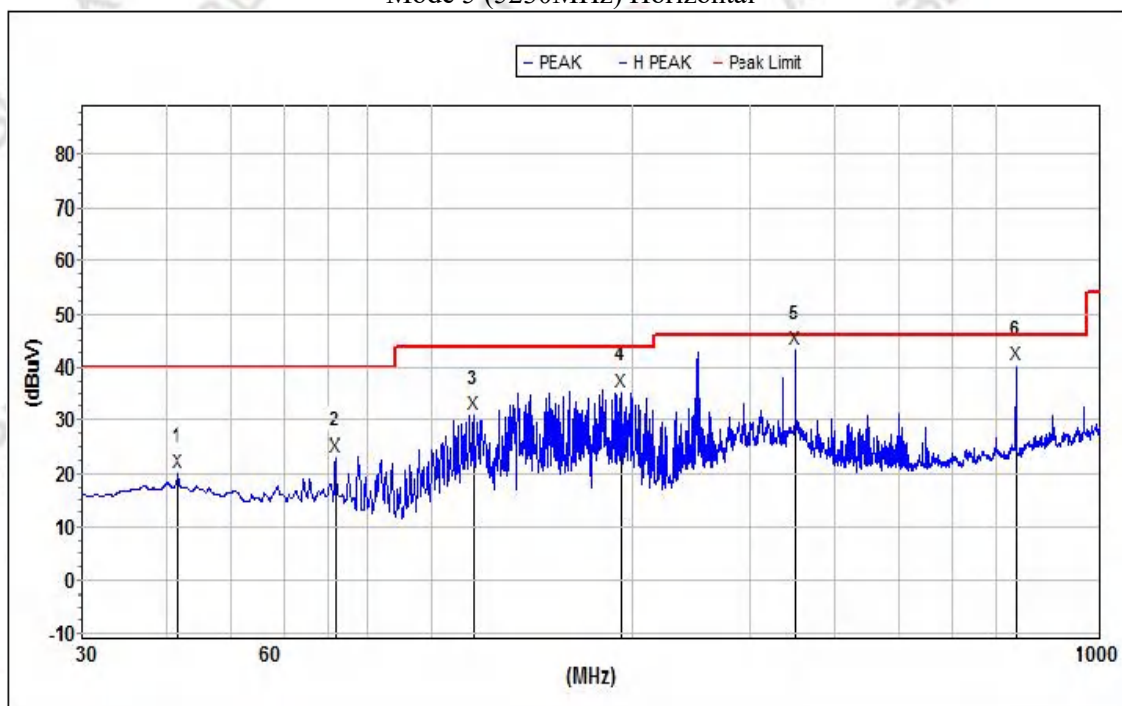
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	46.421552	32.1	40.0	7.9	320	100	19.0	26.8	0.6	V
2	79.381647	27.5	40.0	12.5	10	100	13.9	27.0	0.9	V
3	133.151089	27.1	43.5	16.4	121	100	13.7	27.0	1.3	V
4	249.862716	34.4	46.0	11.6	160	100	14.7	27.0	1.9	V
5	449.555842	31.1	46.0	14.9	180	100	18.4	26.8	2.6	V
6	750.108251	43.2	46.0	2.8	219	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 5		

Remark:

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

Mode 5 (5230MHz) 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	41.639971	20.1	40.0	19.9	119	100	16.3	26.6	0.6	H
2	71.706186	23.3	40.0	16.7	21	100	12.8	27.0	0.9	H
3	115.320547	31.0	43.5	12.5	360	100	12.5	27.0	1.2	H
4	191.745028	35.3	43.5	8.2	80	100	12.3	26.6	1.6	H
5	349.862839	43.2	46.0	2.8	239	100	16.8	27.2	2.3	H
6	750.108251	40.4	46.0	5.6	38	100	19.6	26.3	3.5	H

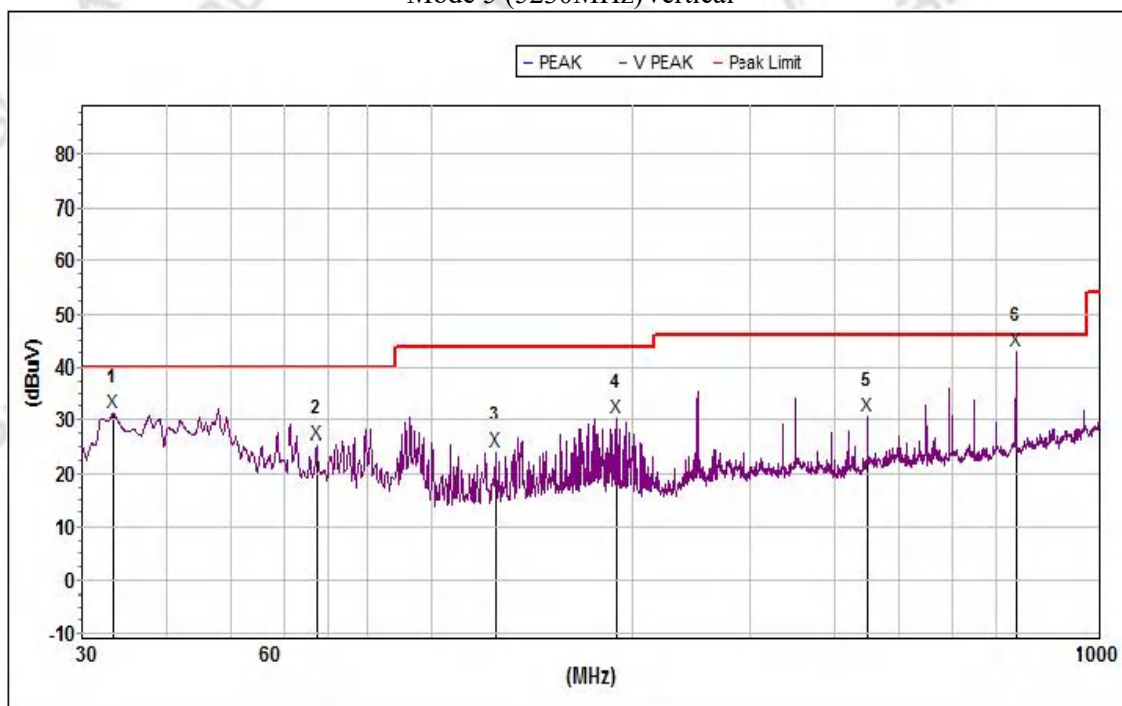
Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 5		

Remark:

15. The all data rate modes had been test, but only worse test data was recorded in the test report.

16. Other 18G-25G Emission detected are more than 20dB below the limit.therefore they are not reported.

Mode 5 (5230MHz)Vertical



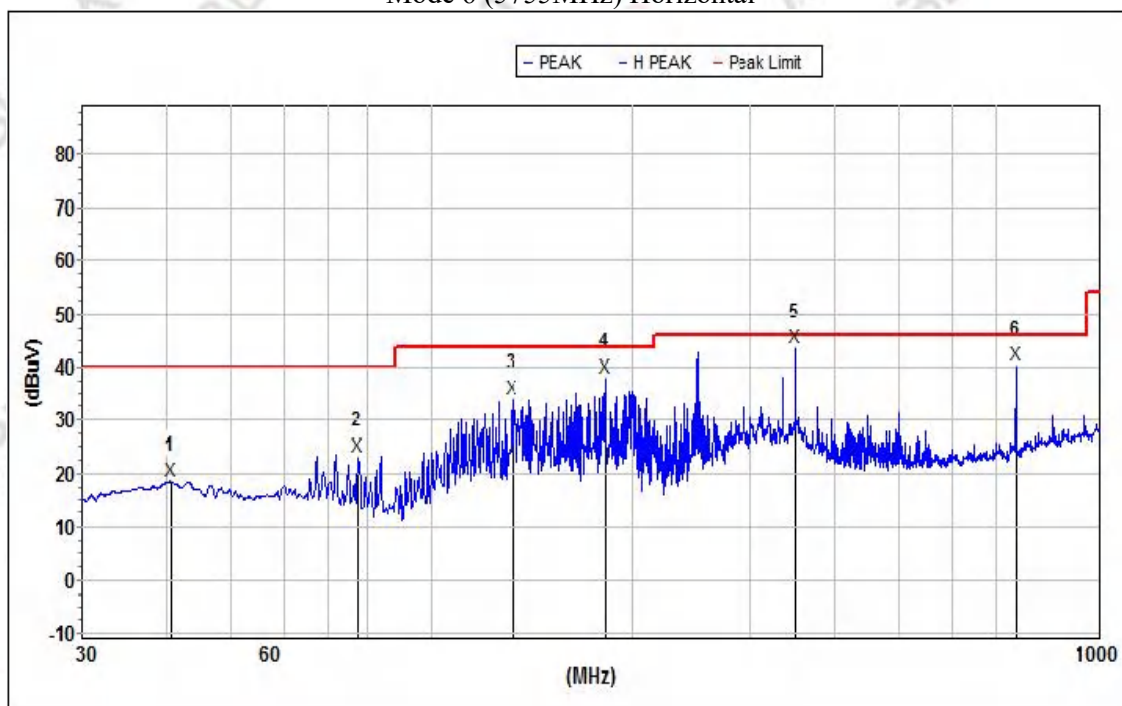
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	33.386359	31.3	40.0	8.7	357	100	18.3	26.9	0.5	V
2	67.320108	25.5	40.0	14.5	349	100	16.9	27.0	0.8	V
3	124.569014	24.3	43.5	19.2	7	100	13.3	27.0	1.2	V
4	189.074341	30.4	43.5	13.1	336	100	13.1	26.6	1.6	V
5	449.555842	30.9	46.0	15.1	196	100	18.4	26.8	2.6	V
6	750.108251	43.1	46.0	2.9	296	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 6		

Remark:

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

Mode 6 (5755MHz) Horizontal



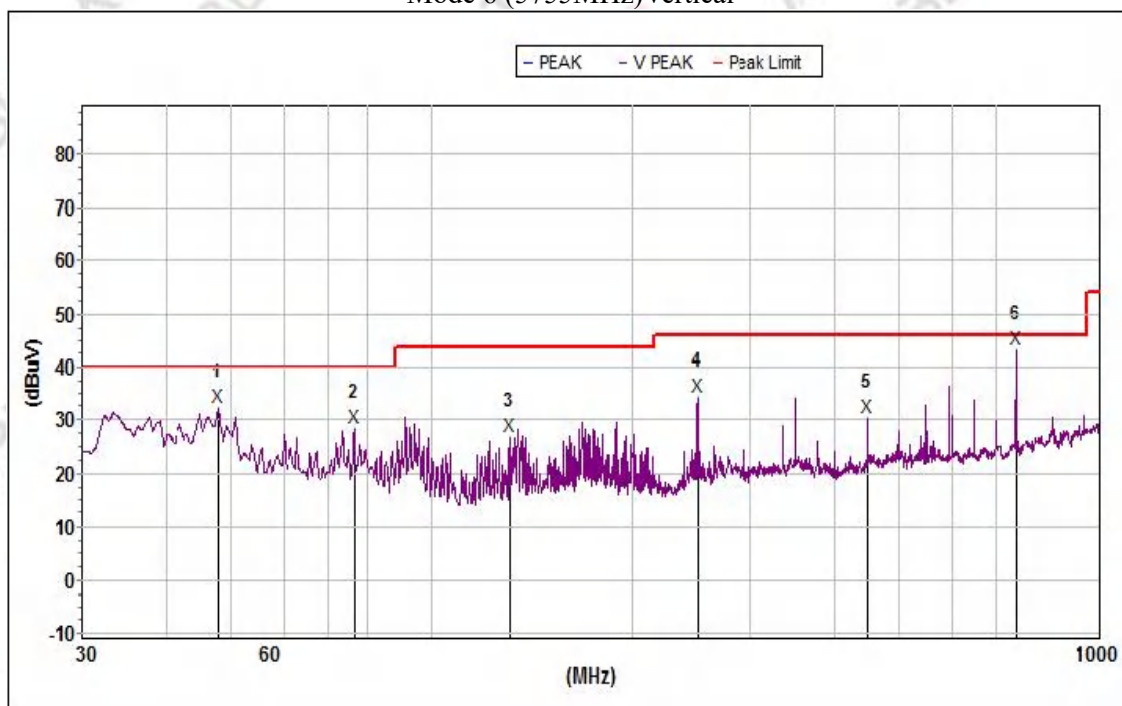
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	40.630322	18.6	40.0	21.4	348	100	16.4	26.5	0.6	H
2	77.456872	23.3	40.0	16.7	35	100	11.2	27.0	0.9	H
3	131.757724	34.0	43.5	9.5	35	100	13.4	27.0	1.3	H
4	181.283406	38.0	43.5	5.5	35	100	12.9	26.7	1.6	H
5	349.862839	43.5	46.0	2.5	256	100	16.8	27.2	2.3	H
6	750.108251	40.3	46.0	5.7	35	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 6		

Remark:

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

Mode 6 (5755MHz)Vertical



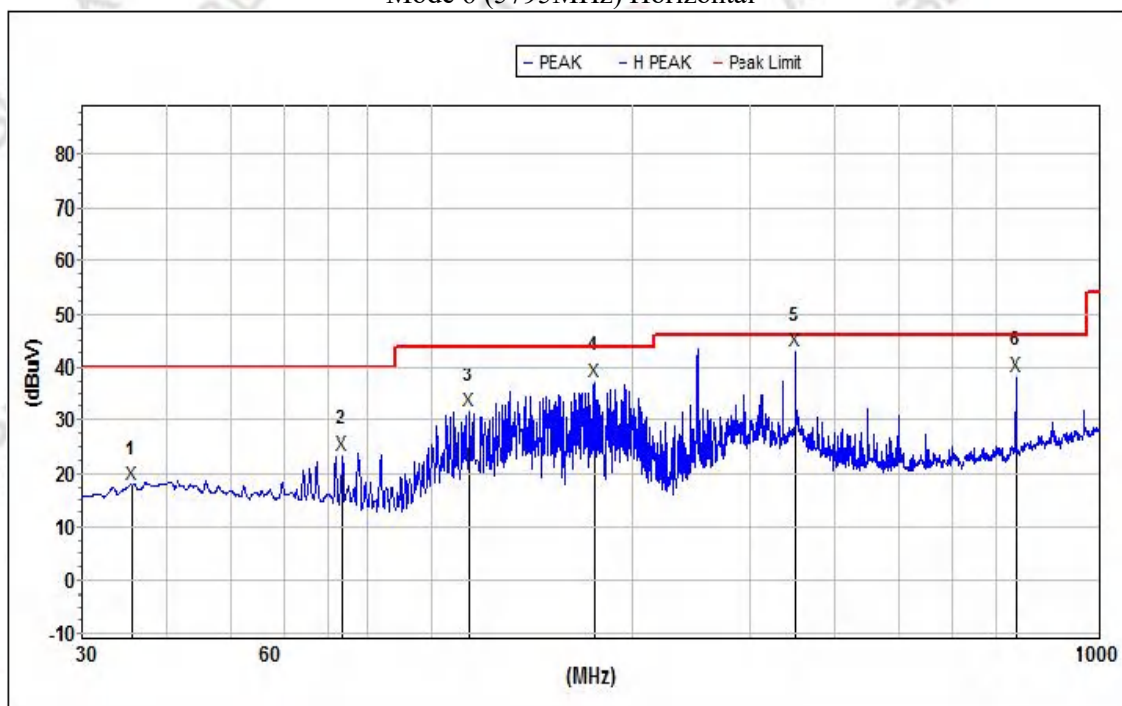
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	47.909933	32.4	40.0	7.6	321	100	18.8	26.8	0.6	V
2	76.512057	28.5	40.0	11.5	42	100	14.7	27.0	0.9	V
3	130.378941	26.8	43.5	16.7	9	100	13.6	27.0	1.3	V
4	249.862716	34.3	46.0	11.7	81	100	14.7	27.0	1.9	V
5	449.555842	30.4	46.0	15.6	182	100	18.4	26.8	2.6	V
6	750.108251	43.3	46.0	2.7	221	100	20.2	26.3	3.5	V

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 6		

Remark:

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

Mode 6 (5795MHz) Horizontal



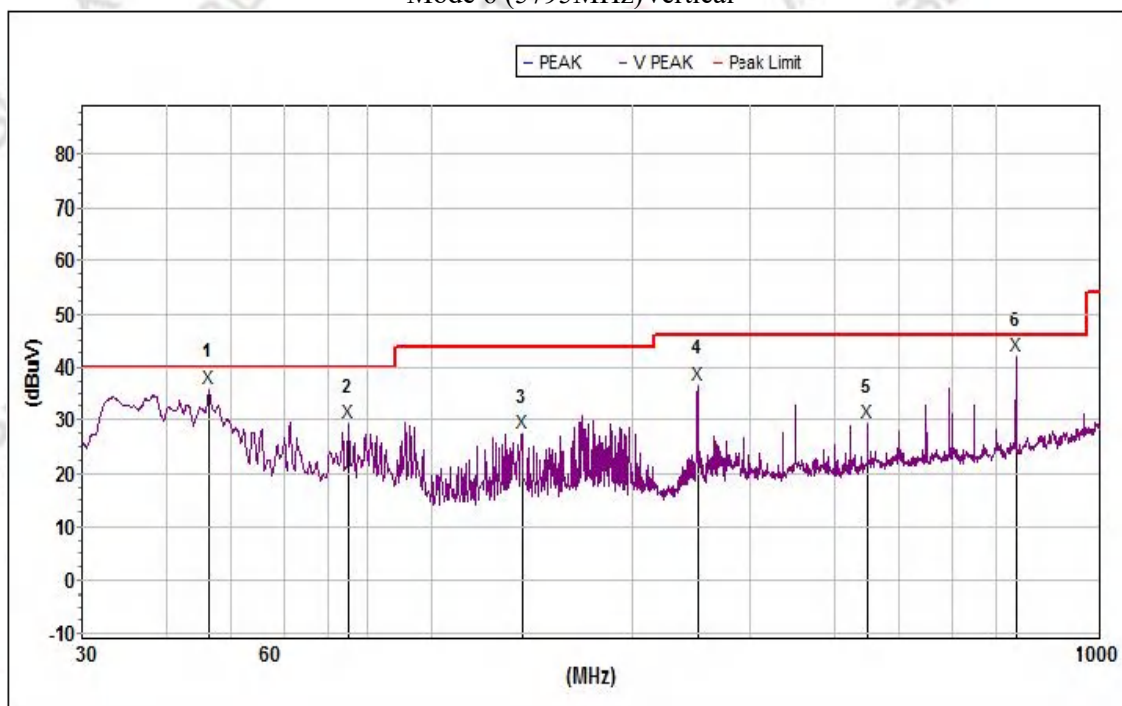
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	35.623970	18.0	40.0	22.0	217	100	15.6	26.8	0.5	H
2	73.617017	23.7	40.0	16.3	139	100	12.3	27.0	0.9	H
3	113.714325	31.6	43.5	11.9	58	100	12.4	27.0	1.2	H
4	175.343917	37.5	43.5	6.0	21	100	13.2	26.7	1.5	H
5	349.862839	43.1	46.0	2.9	239	100	16.8	27.2	2.3	H
6	750.108251	38.5	46.0	7.5	39	100	19.6	26.3	3.5	H

Temperature:	23.0°C	Relative Humidity:	59%RH
Test Voltage:	DC 12V	Phase:	Vertical
Test Mode:	Test mode 6		

Remark:

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

Mode 6 (5795MHz)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	46.421552	35.9	40.0	4.1	321	100	19.0	26.8	0.6	V
2	75.050579	29.3	40.0	10.7	142	100	15.1	27.0	0.9	V
3	136.699307	27.6	43.5	15.9	0	100	13.9	27.0	1.3	V
4	249.862716	36.8	46.0	9.2	122	100	14.7	27.0	1.9	V
5	449.555842	29.6	46.0	16.4	181	100	18.4	26.8	2.6	V
6	750.108251	42.1	46.0	3.9	142	100	20.2	26.3	3.5	V

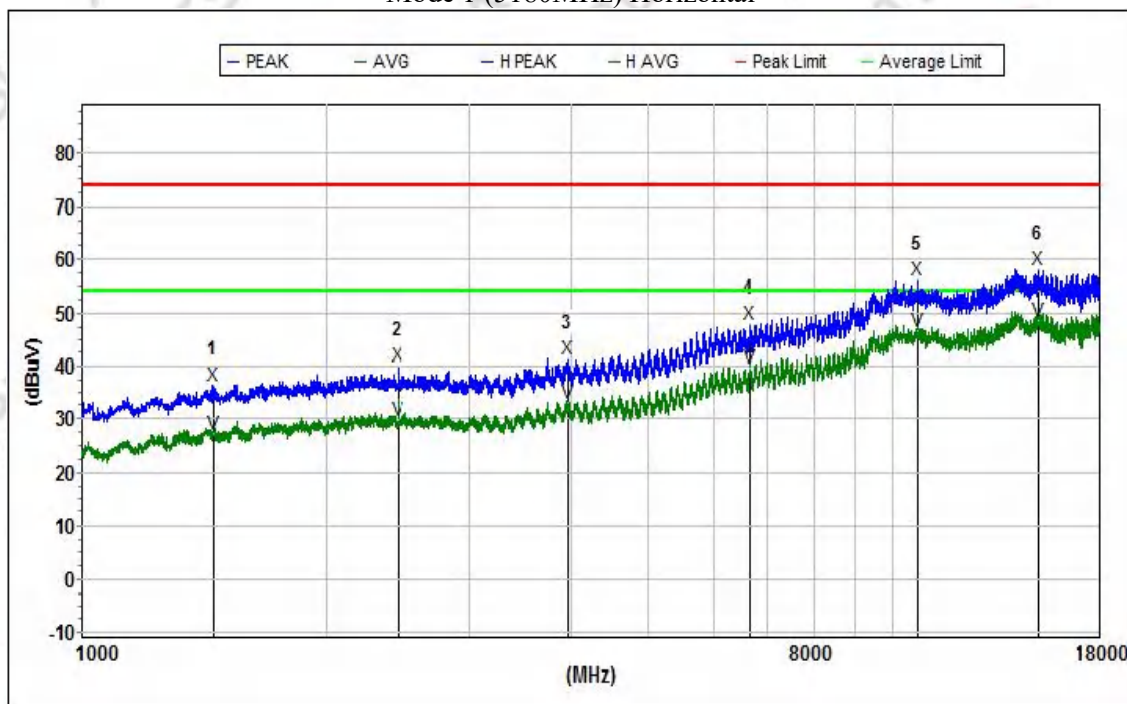
For 1GHz ~ 18 GHz

Temperature:	23.4°C	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 (5180MHz) Horizontal



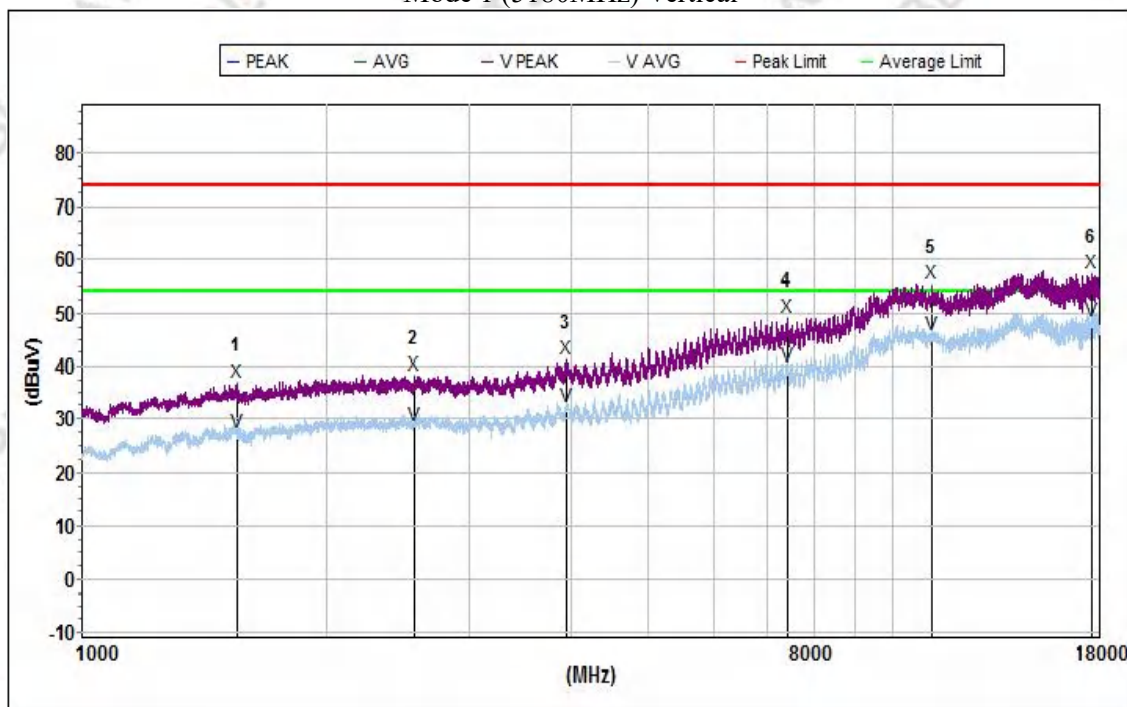
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1455.600000	36.5	74.0	37.5	40	100	25.4	57.8	2.4	H
2	2446.700000	40.0	74.0	34.0	0	100	27.5	57.0	2.8	H
3	3970.750000	41.4	74.0	32.6	360	100	30.5	57.3	3.3	H
4	6665.250000	47.9	74.0	26.1	346	100	35.2	56.9	4.3	H
5	10726.550000	56.1	74.0	17.9	0	100	38.7	56.7	5.6	H
6	15087.900000	58.1	74.0	15.9	40	100	39.0	55.9	6.3	H
Avg										
1	1455.600000	27.0	54.0	27.0	40	100	25.4	57.8	2.4	H
2	2446.700000	29.8	54.0	24.2	0	100	27.5	57.0	2.8	H
3	3970.750000	33.0	54.0	21.0	360	100	30.5	57.3	3.3	H
4	6665.250000	39.7	54.0	14.3	346	100	35.2	56.9	4.3	H
5	10726.550000	46.5	54.0	7.5	0	100	38.7	56.7	5.6	H
6	15087.900000	48.6	54.0	5.4	40	100	39.0	55.9	6.3	H

Temperature:	23.4°C	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 (5180MHz) Vertical



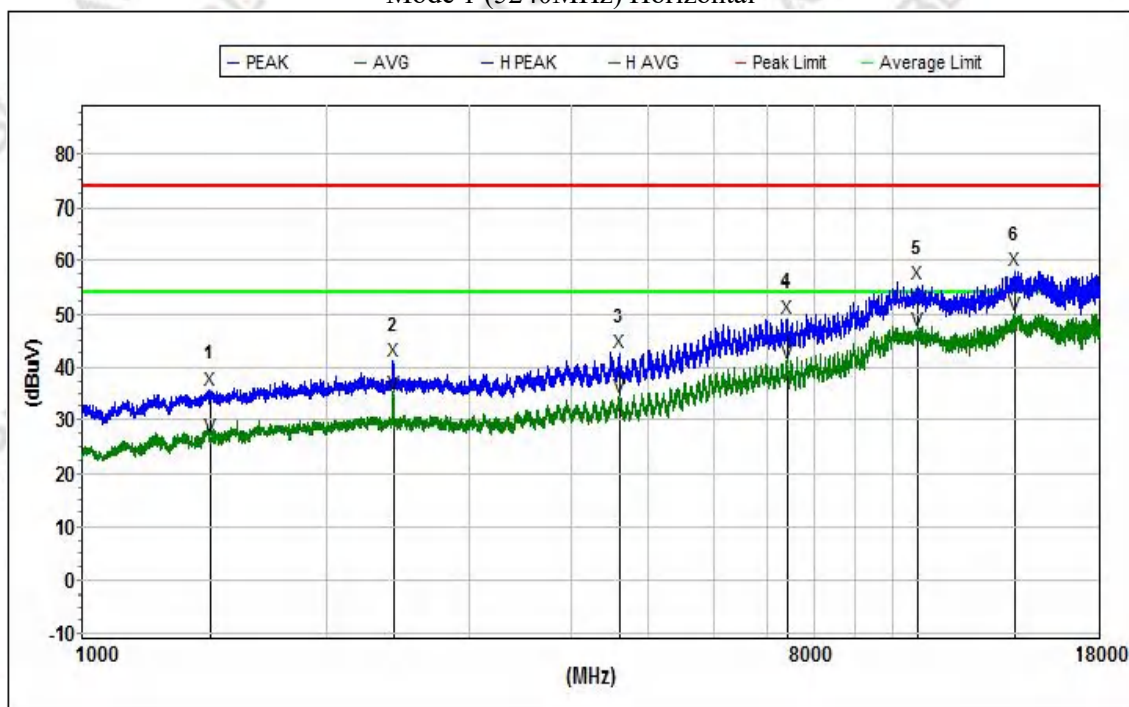
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1549.950000	37.1	74.0	36.9	0	100	25.1	57.4	2.5	V
2	2568.250000	38.5	74.0	35.5	360	100	27.5	57.3	2.9	V
3	3961.400000	41.4	74.0	32.6	347	100	30.4	57.3	3.3	V
4	7411.550000	49.3	74.0	24.7	118	100	36.1	57.0	4.6	V
5	11151.550000	55.6	74.0	18.4	118	100	38.8	56.7	5.7	V
6	17609.000000	57.5	74.0	16.5	0	100	40.6	56.1	6.9	V
Avg										
1	1549.950000	27.6	54.0	26.4	0	100	25.1	57.4	2.5	V
2	2568.250000	28.8	54.0	25.2	360	100	27.5	57.3	2.9	V
3	3961.400000	32.3	54.0	21.7	347	100	30.4	57.3	3.3	V
4	7411.550000	39.9	54.0	14.1	118	100	36.1	57.0	4.6	V
5	11151.550000	45.9	54.0	8.1	118	100	38.8	56.7	5.7	V
6	17609.000000	48.4	54.0	5.6	0	100	40.6	56.1	6.9	V

Temperature:	23.4°C	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 (5240MHz) Horizontal



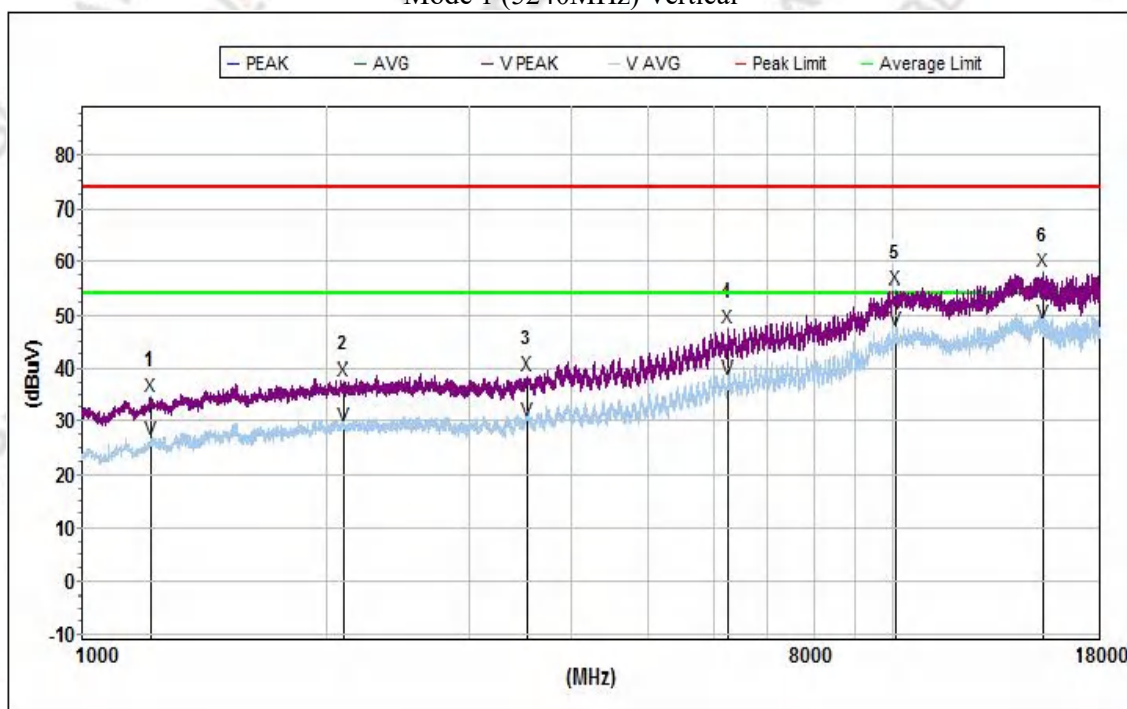
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1440.300000	35.7	74.0	38.3	349	100	25.4	57.9	2.4	H
2	2414.400000	41.1	74.0	32.9	360	100	27.4	56.9	2.8	H
3	4584.450000	42.7	74.0	31.3	349	100	31.5	57.4	3.6	H
4	7403.050000	49.3	74.0	24.7	115	100	36.3	57.0	4.6	H
5	10727.400000	55.3	74.0	18.7	0	100	38.7	56.7	5.6	H
6	14163.950000	58.0	74.0	16.0	349	100	39.8	55.9	6.2	H
Avg										
1	1440.300000	26.9	54.0	27.1	349	100	25.4	57.9	2.4	H
2	2414.400000	34.9	54.0	19.1	360	100	27.4	56.9	2.8	H
3	4584.450000	34.4	54.0	19.6	349	100	31.5	57.4	3.6	H
4	7403.050000	40.6	54.0	13.4	115	100	36.3	57.0	4.6	H
5	10727.400000	46.8	54.0	7.2	0	100	38.7	56.7	5.6	H
6	14163.950000	49.8	54.0	4.2	349	100	39.8	55.9	6.2	H

Temperature:	23.4°C	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 (5240MHz) Vertical



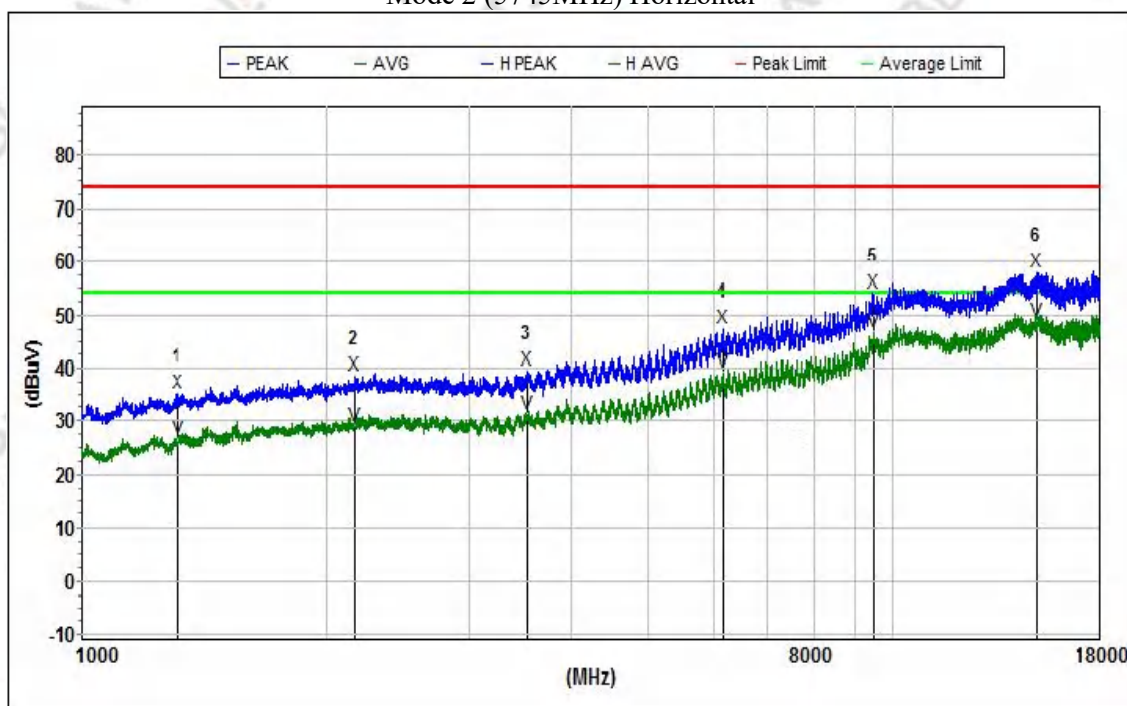
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1210.800000	34.6	74.0	39.4	0	100	25.3	58.8	2.3	V
2	2098.200000	37.6	74.0	36.4	360	100	25.8	56.3	2.7	V
3	3537.250000	38.7	74.0	35.3	162	100	29.2	57.4	3.1	V
4	6253.850000	47.4	74.0	26.6	360	100	34.3	56.9	4.2	V
5	10089.900000	54.9	74.0	19.1	242	100	38.2	56.5	5.4	V
6	15305.500000	58.0	74.0	16.0	0	100	38.4	56.0	6.4	V
Avg										
1	1210.800000	26.4	54.0	27.6	0	100	25.3	58.8	2.3	V
2	2098.200000	29.1	54.0	24.9	360	100	25.8	56.3	2.7	V
3	3537.250000	30.1	54.0	23.9	162	100	29.2	57.4	3.1	V
4	6253.850000	38.0	54.0	16.0	360	100	34.3	56.9	4.2	V
5	10089.900000	47.2	54.0	6.8	242	100	38.2	56.5	5.4	V
6	15305.500000	48.7	54.0	5.3	0	100	38.4	56.0	6.4	V

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 2		

Remark:

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

Mode 2 (5745MHz) Horizontal



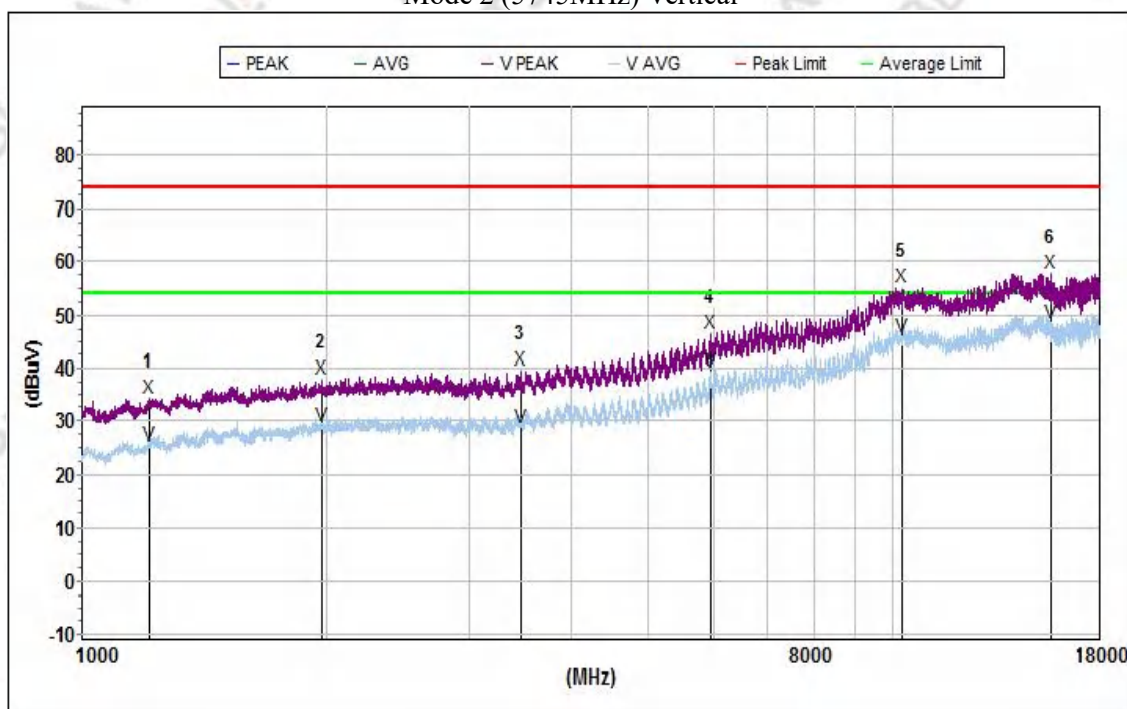
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1313.650000	35.3	74.0	38.7	20	100	25.5	58.4	2.3	H
2	2164.500000	38.7	74.0	35.3	360	100	26.4	56.4	2.7	H
3	3542.350000	39.6	74.0	34.4	92	100	29.4	57.4	3.2	H
4	6154.400000	47.6	74.0	26.4	360	100	34.2	57.0	4.2	H
5	9477.900000	54.2	74.0	19.8	0	100	38.1	56.9	5.4	H
6	15019.900000	58.1	74.0	15.9	322	100	39.1	55.9	6.3	H
Avg										
1	1313.650000	26.5	54.0	27.5	20	100	25.5	58.4	2.3	H
2	2164.500000	29.1	54.0	24.9	360	100	26.4	56.4	2.7	H
3	3542.350000	31.3	54.0	22.7	92	100	29.4	57.4	3.2	H
4	6154.400000	39.2	54.0	14.8	360	100	34.2	57.0	4.2	H
5	9477.900000	46.8	54.0	7.2	0	100	38.1	56.9	5.4	H
6	15019.900000	48.9	54.0	5.1	322	100	39.1	55.9	6.3	H

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 2		

Remark:

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

Mode 2 (5745MHz) Vertical



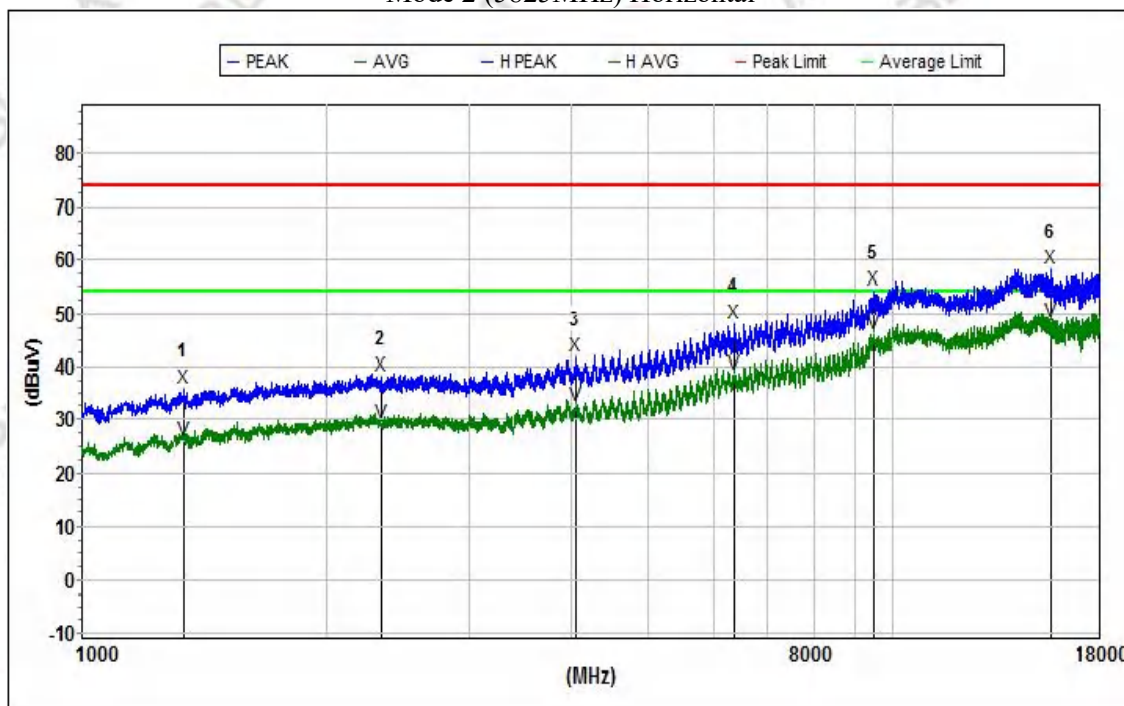
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1209.100000	34.4	74.0	39.6	269	100	25.3	58.8	2.3	V
2	1974.950000	37.9	74.0	36.1	360	100	25.4	56.3	2.7	V
3	3488.800000	39.6	74.0	34.4	342	100	29.1	57.3	3.1	V
4	5944.450000	46.7	74.0	27.3	360	100	33.6	57.0	4.1	V
5	10273.500000	55.2	74.0	18.8	360	100	38.3	56.6	5.5	V
6	15621.700000	57.9	74.0	16.1	192	100	37.9	56.0	6.5	V
Avg										
1	1209.100000	25.6	54.0	28.4	269	100	25.3	58.8	2.3	V
2	1974.950000	29.1	54.0	24.9	360	100	25.4	56.3	2.7	V
3	3488.800000	28.7	54.0	25.3	342	100	29.1	57.3	3.1	V
4	5944.450000	39.2	54.0	14.8	360	100	33.6	57.0	4.1	V
5	10273.500000	45.8	54.0	8.2	360	100	38.3	56.6	5.5	V
6	15621.700000	48.7	54.0	5.3	192	100	37.9	56.0	6.5	V

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 2		

Remark:

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

Mode 2 (5825MHz) Horizontal



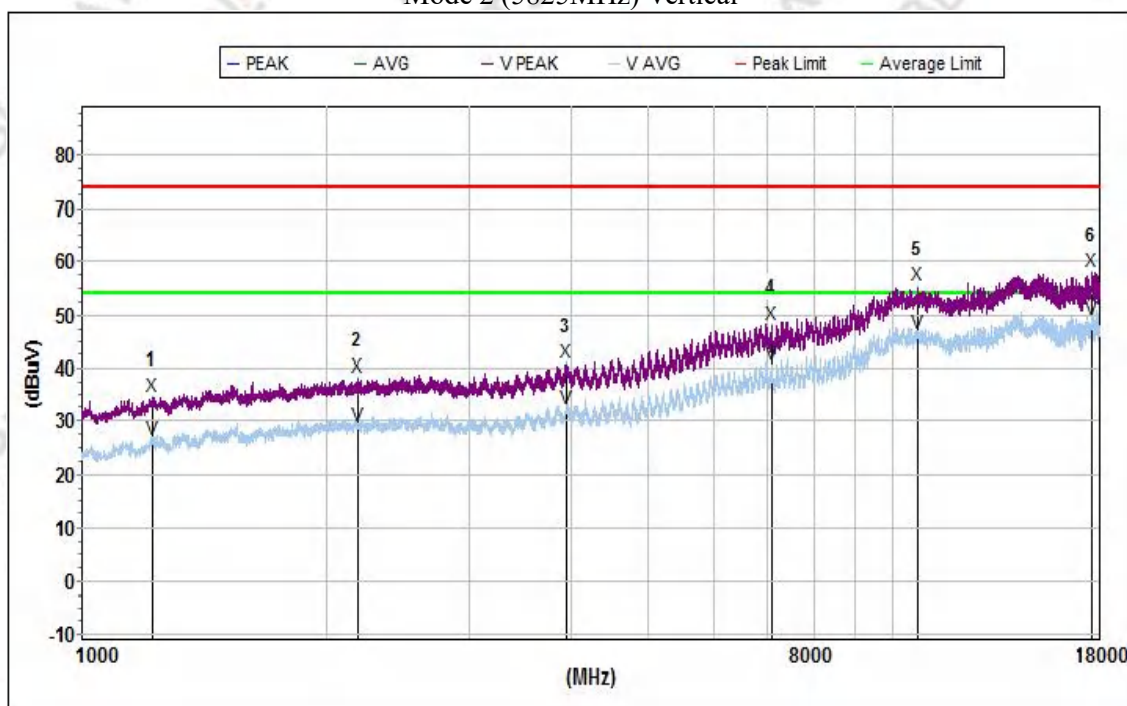
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1335.750000	35.9	74.0	38.1	0	100	25.5	58.4	2.3	H
2	2330.250000	38.3	74.0	35.7	360	100	27.2	56.6	2.8	H
3	4064.250000	41.8	74.0	32.2	360	100	30.7	57.3	3.3	H
4	6347.350000	48.1	74.0	25.9	360	100	34.6	56.9	4.2	H
5	9484.700000	54.5	74.0	19.5	342	100	38.1	56.9	5.4	H
6	15621.700000	58.4	74.0	15.6	0	100	38.1	56.0	6.5	H
Avg										
1	1335.750000	26.1	54.0	27.9	0	100	25.5	58.4	2.3	H
2	2330.250000	29.6	54.0	24.4	360	100	27.2	56.6	2.8	H
3	4064.250000	32.6	54.0	21.4	360	100	30.7	57.3	3.3	H
4	6347.350000	38.6	54.0	15.4	360	100	34.6	56.9	4.2	H
5	9484.700000	46.2	54.0	7.8	342	100	38.1	56.9	5.4	H
6	15621.700000	48.5	54.0	5.5	0	100	38.1	56.0	6.5	H

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 2		

Remark:

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

Mode 2 (5825MHz) Vertical



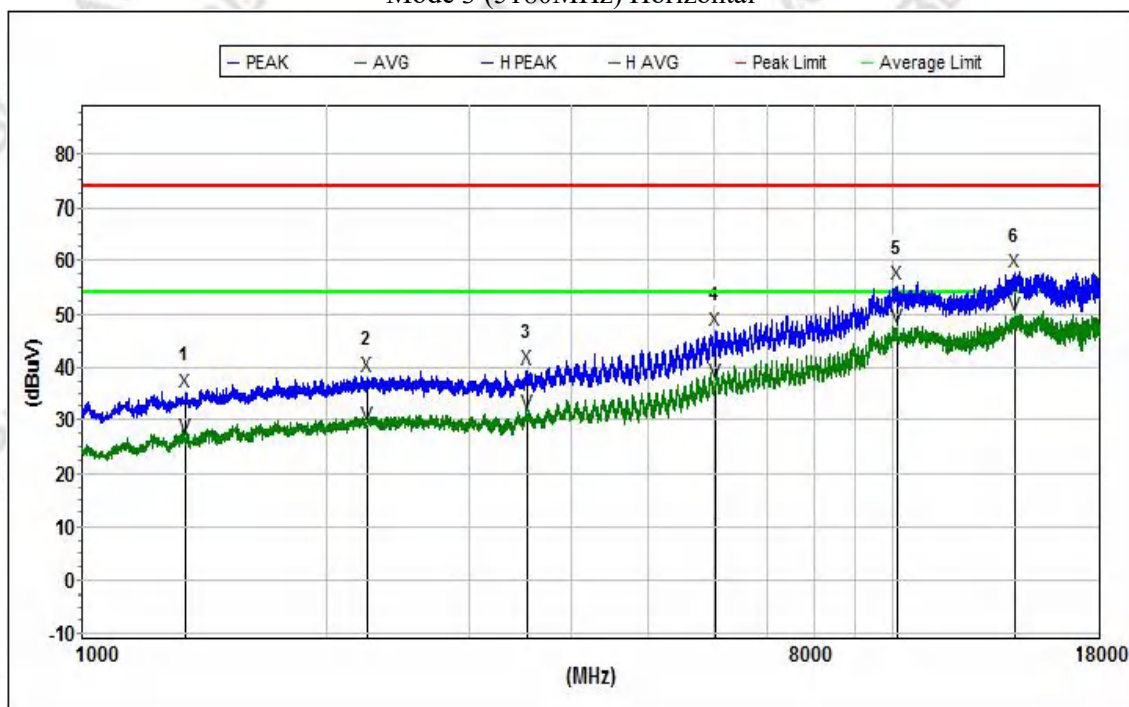
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1217.600000	34.6	74.0	39.4	320	100	25.3	58.7	2.3	V
2	2181.500000	38.3	74.0	35.7	166	100	26.1	56.4	2.7	V
3	3958.000000	41.1	74.0	32.9	91	100	30.4	57.3	3.2	V
4	7086.850000	48.2	74.0	25.8	0	100	35.8	56.9	4.4	V
5	10714.650000	55.3	74.0	18.7	91	100	38.6	56.7	5.6	V
6	17593.700000	58.2	74.0	15.8	360	100	40.6	56.1	6.9	V
Avg										
1	1217.600000	26.5	54.0	27.5	320	100	25.3	58.7	2.3	V
2	2181.500000	29.1	54.0	24.9	166	100	26.1	56.4	2.7	V
3	3958.000000	32.4	54.0	21.6	91	100	30.4	57.3	3.2	V
4	7086.850000	40.5	54.0	13.5	0	100	35.8	56.9	4.4	V
5	10714.650000	46.5	54.0	7.5	91	100	38.6	56.7	5.6	V
6	17593.700000	49.2	54.0	4.8	360	100	40.6	56.1	6.9	V

Temperature:	23.4°C	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 (5180MHz) Horizontal



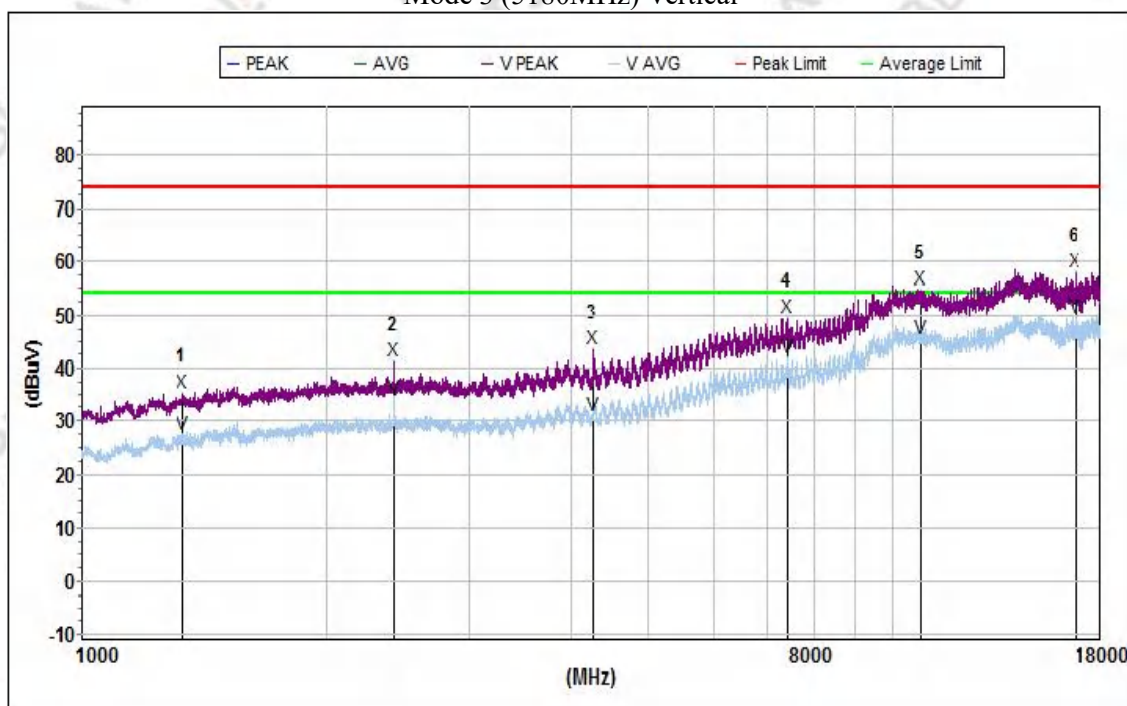
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1345.100000	35.5	74.0	38.5	243	100	25.5	58.3	2.3	H
2	2246.950000	38.5	74.0	35.5	323	100	26.9	56.4	2.8	H
3	3543.200000	39.5	74.0	34.5	323	100	29.4	57.4	3.2	H
4	6033.700000	47.0	74.0	27.0	84	100	34.0	57.0	4.1	H
5	10107.750000	55.4	74.0	18.6	0	100	38.3	56.5	5.4	H
6	14162.250000	57.8	74.0	16.2	11	100	39.8	55.9	6.2	H
Avg										
1	1345.100000	26.7	54.0	27.3	243	100	25.5	58.3	2.3	H
2	2246.950000	29.0	54.0	25.0	323	100	26.9	56.4	2.8	H
3	3543.200000	31.4	54.0	22.6	323	100	29.4	57.4	3.2	H
4	6033.700000	37.5	54.0	16.5	84	100	34.0	57.0	4.1	H
5	10107.750000	47.5	54.0	6.5	0	100	38.3	56.5	5.4	H
6	14162.250000	49.8	54.0	4.2	11	100	39.8	55.9	6.2	H

Temperature:	23.4°C	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 (5180MHz) Vertical



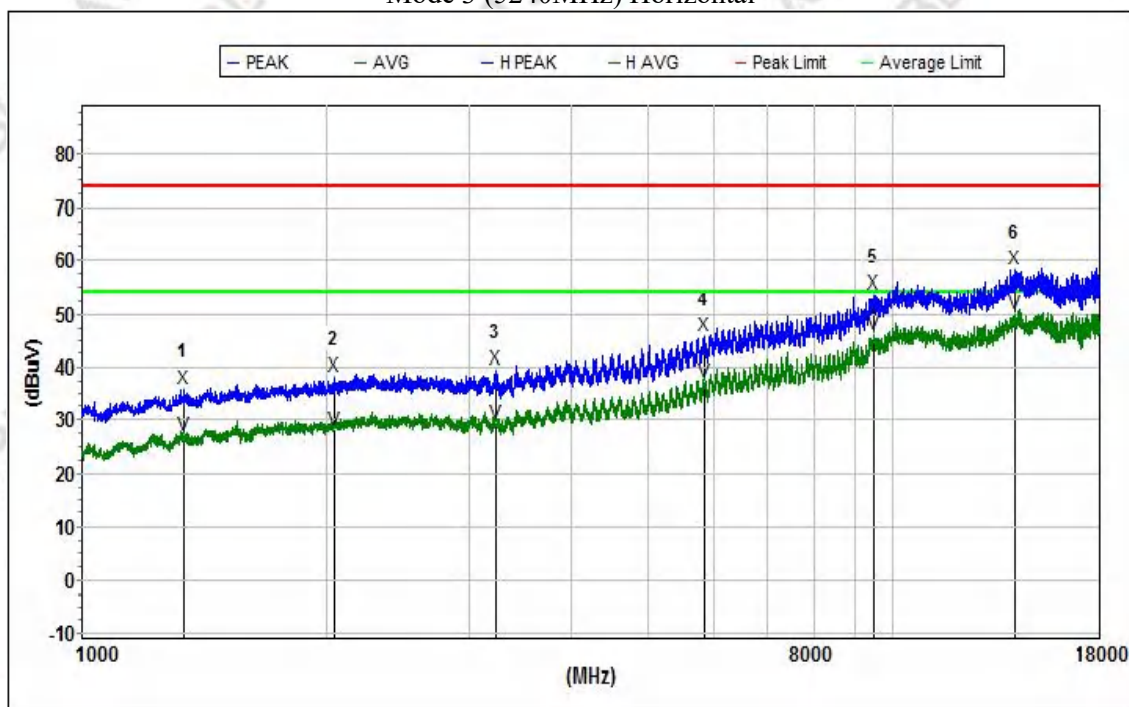
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1332.350000	35.3	74.0	38.7	350	100	25.4	58.4	2.3	V
2	2421.200000	41.4	74.0	32.6	350	100	27.2	56.9	2.8	V
3	4269.950000	43.5	74.0	30.5	0	100	30.5	57.3	3.4	V
4	7415.800000	49.6	74.0	24.4	38	100	36.1	57.0	4.6	V
5	10835.350000	54.8	74.0	19.2	0	100	38.7	56.8	5.6	V
6	16769.200000	58.0	74.0	16.0	277	100	38.0	56.2	6.8	V
Avg										
1	1332.350000	27.4	54.0	26.6	350	100	25.4	58.4	2.3	V
2	2421.200000	34.5	54.0	19.5	350	100	27.2	56.9	2.8	V
3	4269.950000	31.1	54.0	22.9	0	100	30.5	57.3	3.4	V
4	7415.800000	41.9	54.0	12.1	38	100	36.1	57.0	4.6	V
5	10835.350000	45.7	54.0	8.3	0	100	38.7	56.8	5.6	V
6	16769.200000	49.5	54.0	4.5	277	100	38.0	56.2	6.8	V

Temperature:	23.4°C	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 (5240MHz) Horizontal



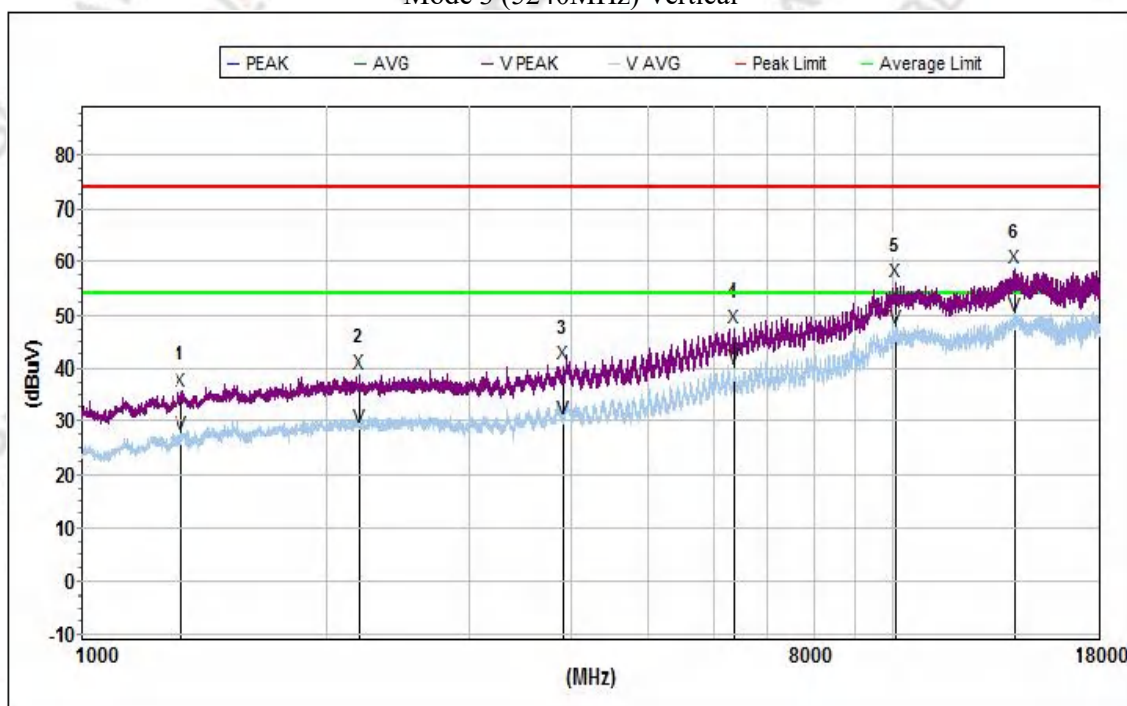
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1334.900000	35.9	74.0	38.1	360	100	25.5	58.4	2.3	H
2	2049.750000	38.5	74.0	35.5	0	100	25.6	56.3	2.7	H
3	3230.400000	39.5	74.0	34.5	36	100	29.1	57.6	3.0	H
4	5838.200000	45.8	74.0	28.2	112	100	33.6	57.1	4.1	H
5	9475.350000	53.8	74.0	20.2	360	100	38.1	56.9	5.4	H
6	14156.300000	58.4	74.0	15.6	360	100	39.8	55.9	6.2	H
Avg										
1	1334.900000	27.1	54.0	26.9	360	100	25.5	58.4	2.3	H
2	2049.750000	28.1	54.0	25.9	0	100	25.6	56.3	2.7	H
3	3230.400000	29.5	54.0	24.5	36	100	29.1	57.6	3.0	H
4	5838.200000	37.5	54.0	16.5	112	100	33.6	57.1	4.1	H
5	9475.350000	46.3	54.0	7.7	360	100	38.1	56.9	5.4	H
6	14156.300000	50.3	54.0	3.7	360	100	39.8	55.9	6.2	H

Temperature:	23.4°C	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 (5240MHz) Vertical



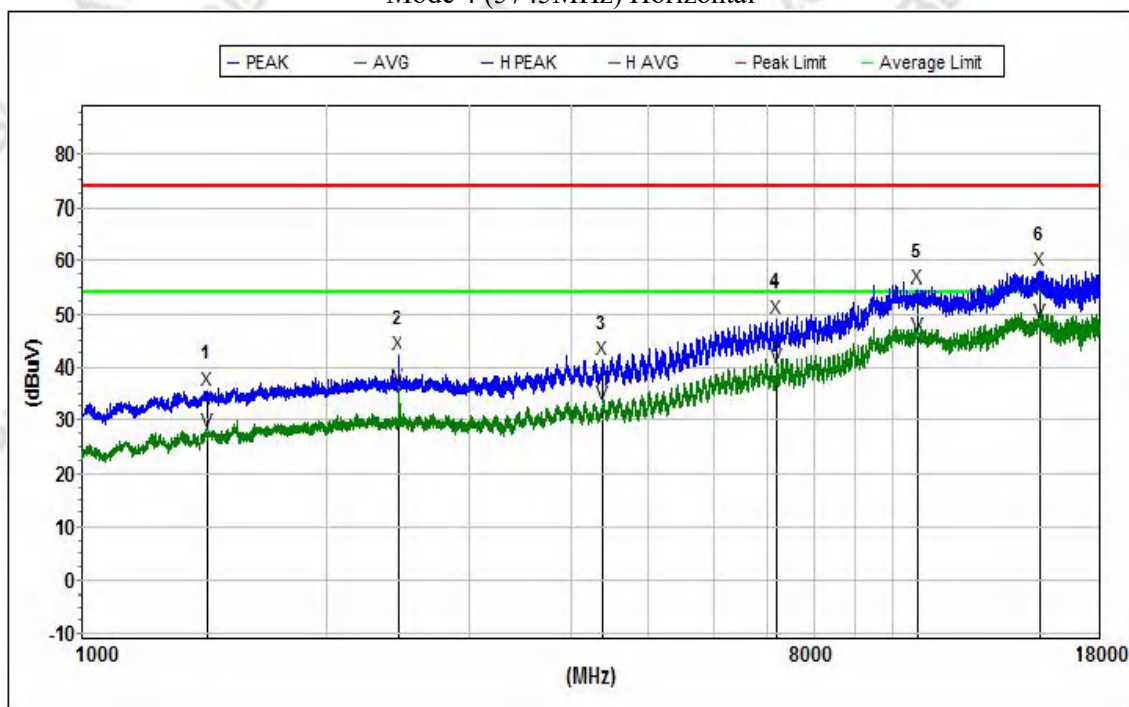
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1326.400000	35.6	74.0	38.4	0	100	25.4	58.4	2.3	V
2	2198.500000	39.0	74.0	35.0	0	100	26.1	56.4	2.7	V
3	3921.450000	40.5	74.0	33.5	0	100	30.3	57.2	3.2	V
4	6356.700000	47.4	74.0	26.6	318	100	34.4	56.9	4.2	V
5	10083.950000	56.2	74.0	17.8	0	100	38.2	56.5	5.4	V
6	14159.700000	58.8	74.0	15.2	238	100	39.7	55.9	6.2	V
Avg										
1	1326.400000	27.5	54.0	26.5	0	100	25.4	58.4	2.3	V
2	2198.500000	28.7	54.0	25.3	0	100	26.1	56.4	2.7	V
3	3921.450000	30.6	54.0	23.4	0	100	30.3	57.2	3.2	V
4	6356.700000	40.0	54.0	14.0	318	100	34.4	56.9	4.2	V
5	10083.950000	47.4	54.0	6.6	0	100	38.2	56.5	5.4	V
6	14159.700000	49.8	54.0	4.2	238	100	39.7	55.9	6.2	V

Temperature:	23.4°C	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 (5745MHz) Horizontal



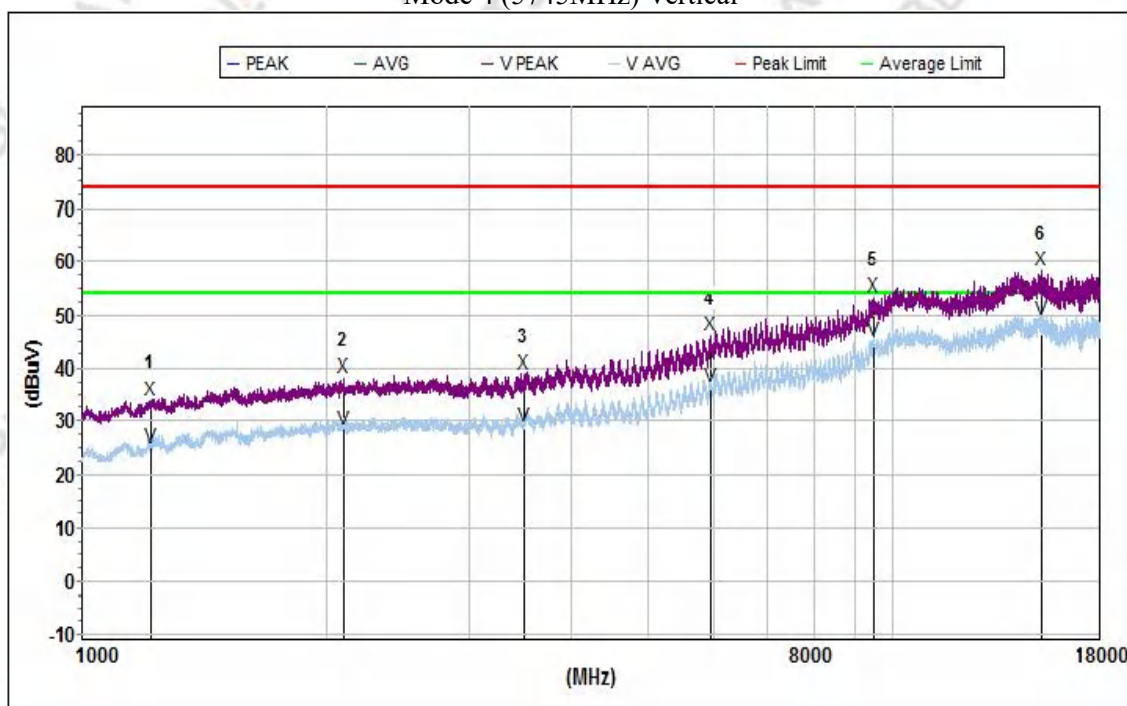
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1427.550000	35.6	74.0	38.4	167	100	25.4	58.0	2.4	H
2	2450.100000	42.3	74.0	31.7	17	100	27.5	57.0	2.8	H
3	4373.650000	41.2	74.0	32.8	17	100	31.1	57.4	3.5	H
4	7192.250000	49.2	74.0	24.8	0	100	36.1	56.9	4.5	H
5	10707.000000	54.9	74.0	19.1	167	100	38.7	56.7	5.6	H
6	15188.200000	58.2	74.0	15.8	17	100	38.8	55.9	6.4	H
Avg										
1	1427.550000	27.7	54.0	26.3	167	100	25.4	58.0	2.4	H
2	2450.100000	36.3	54.0	17.7	17	100	27.5	57.0	2.8	H
3	4373.650000	33.2	54.0	20.8	17	100	31.1	57.4	3.5	H
4	7192.250000	40.0	54.0	14.0	0	100	36.1	56.9	4.5	H
5	10707.000000	45.8	54.0	8.2	167	100	38.7	56.7	5.6	H
6	15188.200000	48.6	54.0	5.4	17	100	38.8	55.9	6.4	H

Temperature:	23.4°C	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 (5745MHz) Vertical



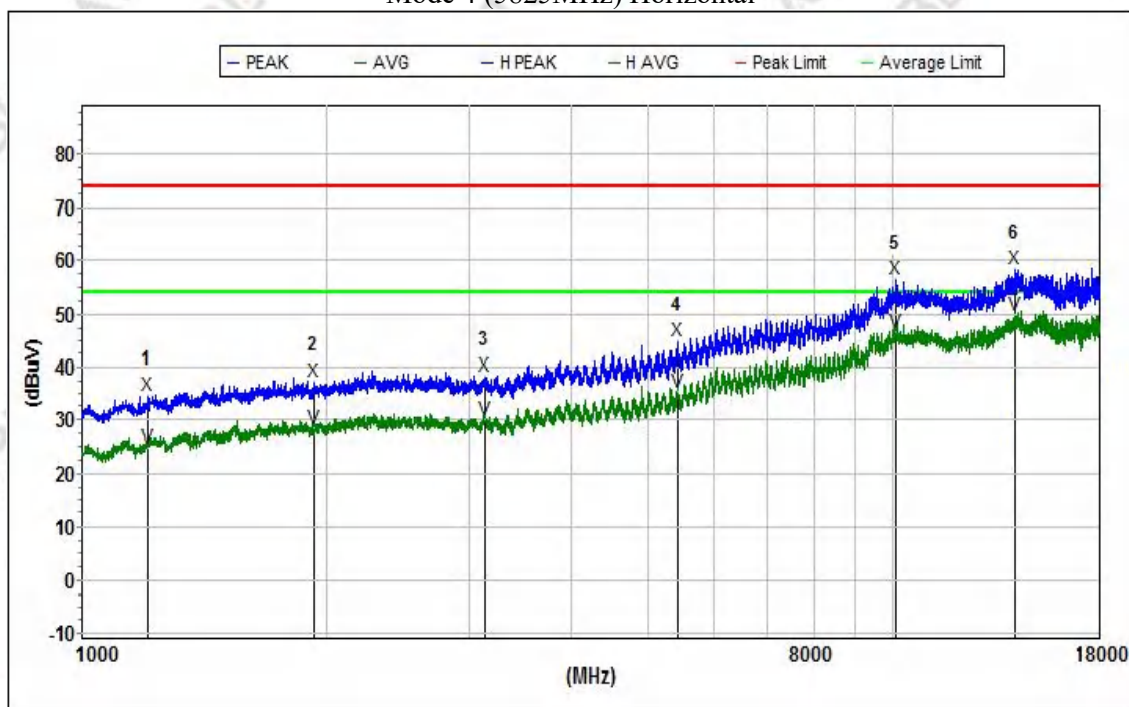
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1213.350000	34.1	74.0	39.9	0	100	25.3	58.8	2.3	V
2	2098.200000	38.2	74.0	35.8	35	100	25.8	56.3	2.7	V
3	3514.300000	39.1	74.0	34.9	0	100	29.1	57.3	3.1	V
4	5941.900000	46.4	74.0	27.6	0	100	33.6	57.0	4.1	V
5	9477.050000	53.4	74.0	20.6	113	100	37.8	56.9	5.4	V
6	15200.950000	58.4	74.0	15.6	0	100	38.6	55.9	6.4	V
Avg										
1	1213.350000	25.2	54.0	28.8	0	100	25.3	58.8	2.3	V
2	2098.200000	28.4	54.0	25.6	35	100	25.8	56.3	2.7	V
3	3514.300000	29.0	54.0	25.0	0	100	29.1	57.3	3.1	V
4	5941.900000	36.7	54.0	17.3	0	100	33.6	57.0	4.1	V
5	9477.050000	45.1	54.0	8.9	113	100	37.8	56.9	5.4	V
6	15200.950000	49.2	54.0	4.8	0	100	38.6	55.9	6.4	V

Temperature:	23.4°C	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 (5825MHz) 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	1202.300000	34.6	74.0	39.4	38	100	25.4	58.8	2.3	H
2	1930.750000	37.5	74.0	36.5	269	100	25.3	56.4	2.6	H
3	3134.350000	38.3	74.0	35.7	360	100	29.0	57.7	3.0	H
4	5415.750000	44.8	74.0	29.2	115	100	32.2	57.3	3.9	H
5	10100.950000	56.3	74.0	17.7	360	100	38.3	56.5	5.4	H
6	14152.050000	58.5	74.0	15.5	115	100	39.8	55.9	6.2	H
Avg										
1	1202.300000	25.0	54.0	29.0	38	100	25.4	58.8	2.3	H
2	1930.750000	28.6	54.0	25.4	269	100	25.3	56.4	2.6	H
3	3134.350000	30.0	54.0	24.0	360	100	29.0	57.7	3.0	H
4	5415.750000	35.4	54.0	18.6	115	100	32.2	57.3	3.9	H
5	10100.950000	46.5	54.0	7.5	360	100	38.3	56.5	5.4	H
6	14152.050000	49.9	54.0	4.1	115	100	39.8	55.9	6.2	H

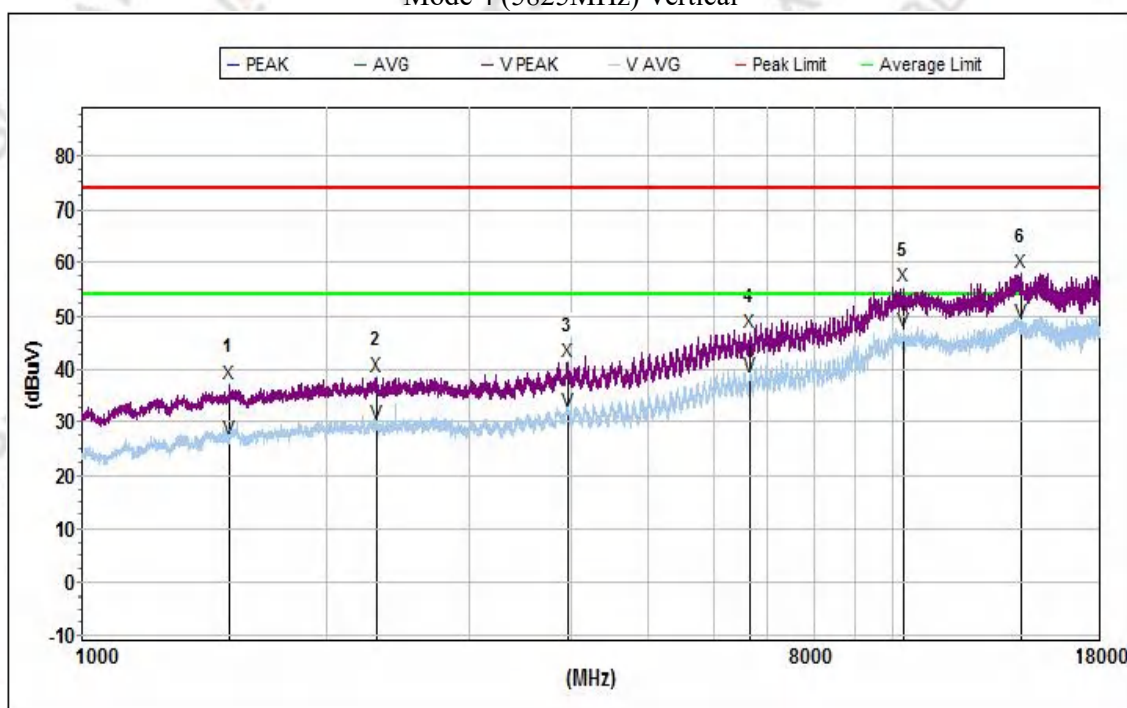
Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 4		

Remark:

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

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

Mode 4 (5825MHz) Vertical



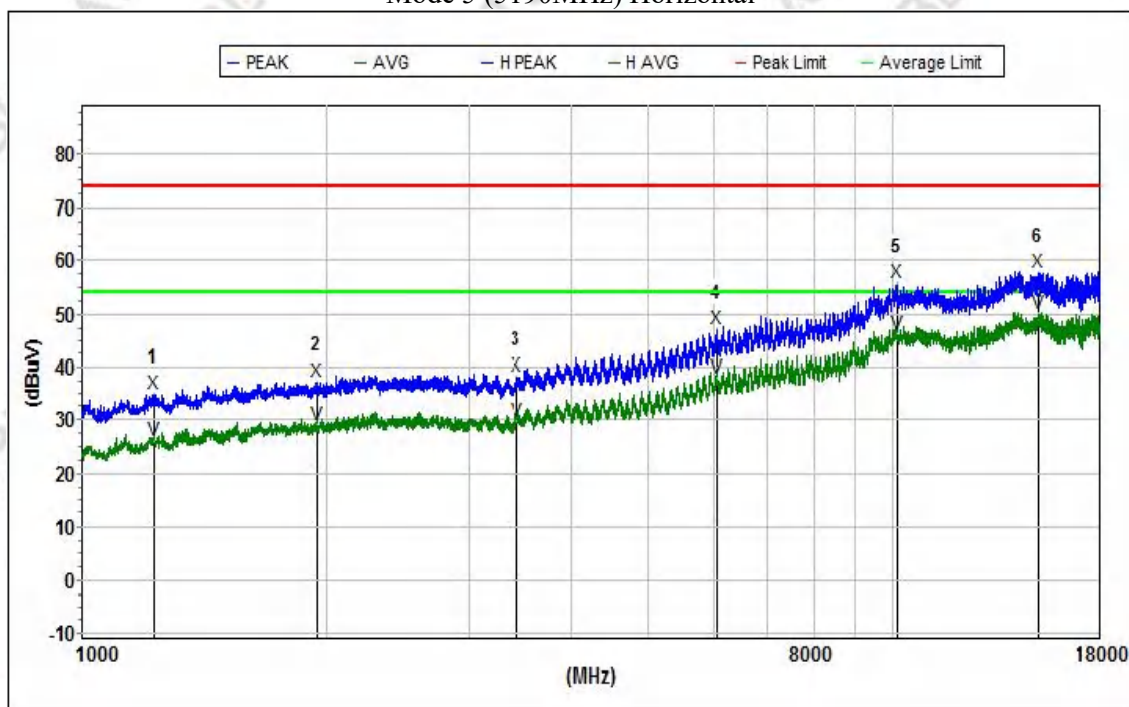
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1518.500000	37.4	74.0	36.6	360	100	25.4	57.5	2.5	V
2	2303.050000	38.7	74.0	35.3	0	100	26.6	56.5	2.8	V
3	3968.200000	41.4	74.0	32.6	166	100	30.4	57.3	3.3	V
4	6668.650000	46.9	74.0	27.1	0	100	35.0	56.9	4.3	V
5	10304.950000	55.5	74.0	18.5	16	100	38.3	56.6	5.5	V
6	14368.800000	58.0	74.0	16.0	166	100	39.5	55.9	6.3	V
Avg										
1	1518.500000	26.7	54.0	27.3	360	100	25.4	57.5	2.5	V
2	2303.050000	29.9	54.0	24.1	0	100	26.6	56.5	2.8	V
3	3968.200000	32.2	54.0	21.8	166	100	30.4	57.3	3.3	V
4	6668.650000	38.7	54.0	15.3	0	100	35.0	56.9	4.3	V
5	10304.950000	47.1	54.0	6.9	16	100	38.3	56.6	5.5	V
6	14368.800000	48.8	54.0	5.2	166	100	39.5	55.9	6.3	V

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 5		

Remark:

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

Mode 5 (5190MHz) Horizontal



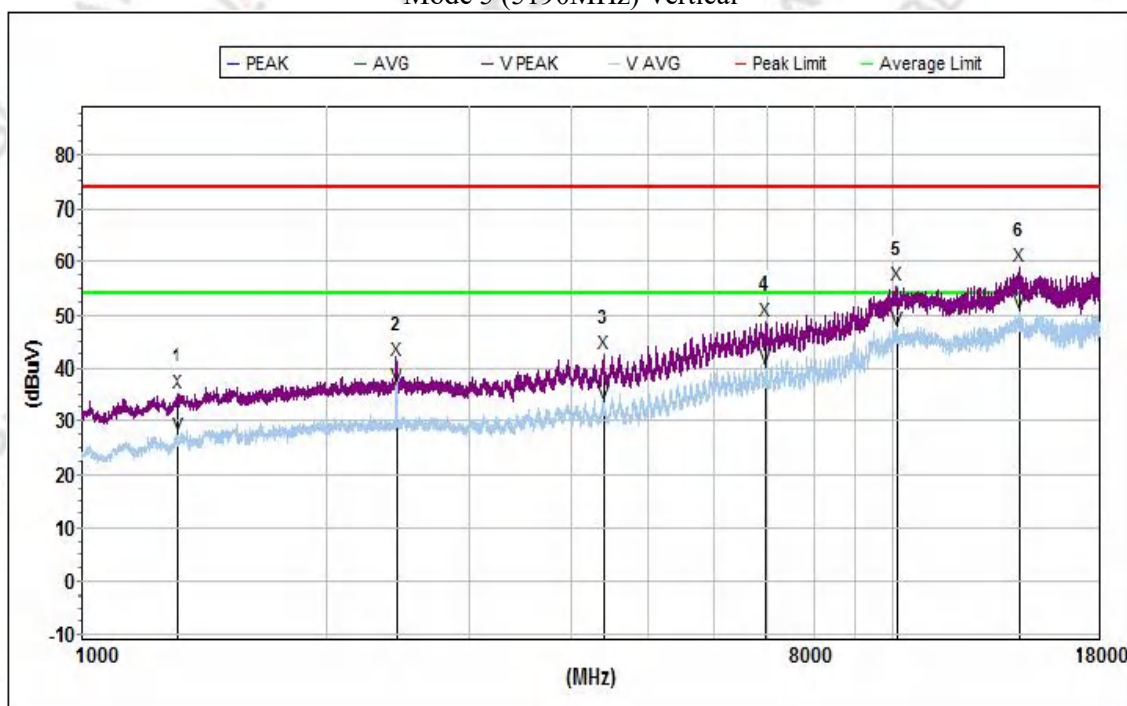
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1224.400000	35.0	74.0	39.0	17	100	25.4	58.7	2.3	H
2	1951.150000	37.5	74.0	36.5	17	100	25.3	56.3	2.7	H
3	3435.250000	38.5	74.0	35.5	245	100	29.3	57.4	3.1	H
4	6049.000000	47.3	74.0	26.7	17	100	34.0	57.0	4.1	H
5	10111.150000	55.9	74.0	18.1	360	100	38.3	56.5	5.4	H
6	15127.000000	57.7	74.0	16.3	0	100	38.9	55.9	6.4	H
Avg										
1	1224.400000	26.3	54.0	27.7	17	100	25.4	58.7	2.3	H
2	1951.150000	29.2	54.0	24.8	17	100	25.3	56.3	2.7	H
3	3435.250000	29.8	54.0	24.2	245	100	29.3	57.4	3.1	H
4	6049.000000	38.0	54.0	16.0	17	100	34.0	57.0	4.1	H
5	10111.150000	46.1	54.0	7.9	360	100	38.3	56.5	5.4	H
6	15127.000000	50.2	54.0	3.8	0	100	38.9	55.9	6.4	H

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 5		

Remark:

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

Mode 5 (5190MHz) Vertical



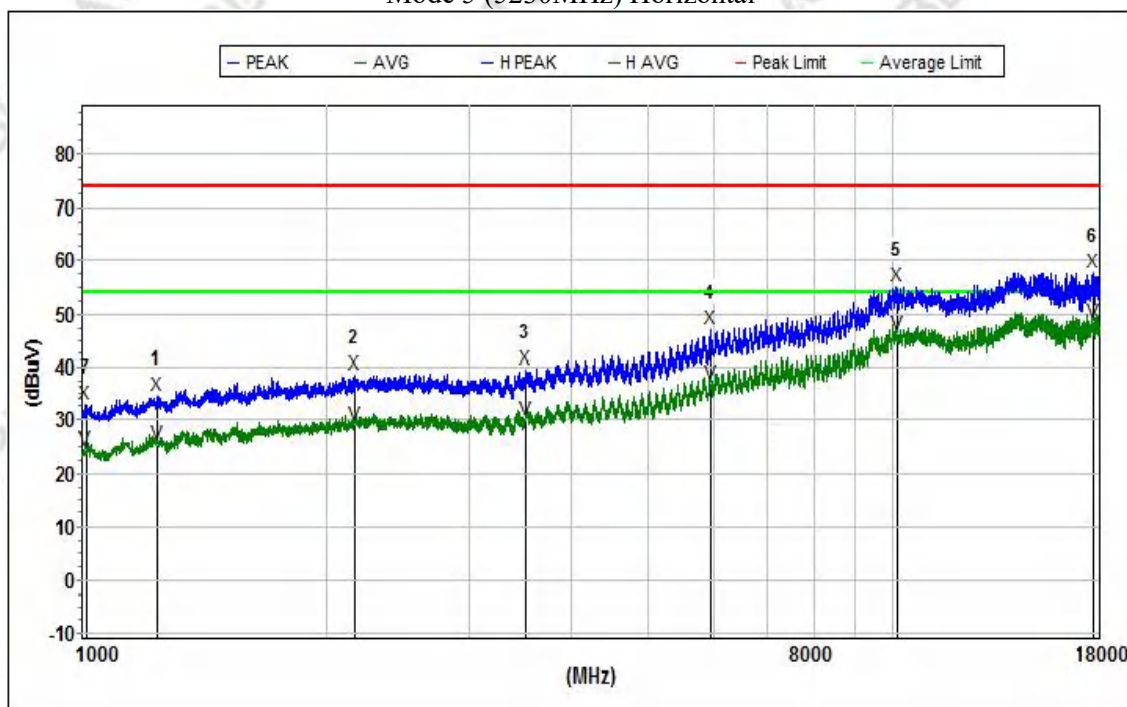
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1311.950000	35.5	74.0	38.5	193	100	25.4	58.5	2.3	V
2	2434.800000	41.4	74.0	32.6	360	100	27.2	57.0	2.8	V
3	4390.650000	42.7	74.0	31.3	0	100	30.7	57.4	3.5	V
4	6982.300000	48.8	74.0	25.2	193	100	35.7	56.9	4.3	V
5	10108.600000	55.4	74.0	18.6	342	100	38.2	56.5	5.4	V
6	14345.000000	59.1	74.0	14.9	342	100	39.5	55.9	6.3	V
Avg										
1	1311.950000	27.0	54.0	27.0	193	100	25.4	58.5	2.3	V
2	2434.800000	36.8	54.0	17.2	360	100	27.2	57.0	2.8	V
3	4390.650000	33.3	54.0	20.7	0	100	30.7	57.4	3.5	V
4	6982.300000	40.0	54.0	14.0	193	100	35.7	56.9	4.3	V
5	10108.600000	47.2	54.0	6.8	342	100	38.2	56.5	5.4	V
6	14345.000000	50.4	54.0	3.6	342	100	39.5	55.9	6.3	V

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 5		

Remark:

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

Mode 5 (5230MHz) Horizontal



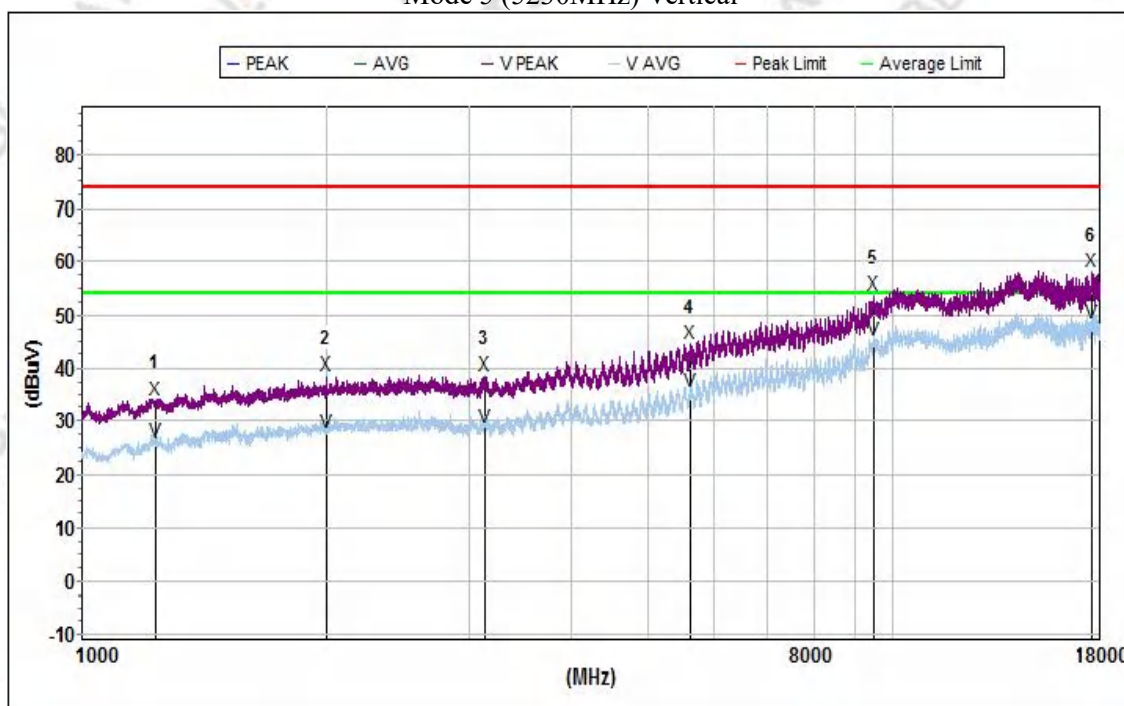
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1237.150000	34.6	74.0	39.4	0	100	25.4	58.7	2.3	H
2	2166.200000	38.6	74.0	35.4	360	100	26.4	56.4	2.7	H
3	3532.150000	39.7	74.0	34.3	360	100	29.4	57.4	3.1	H
4	5954.650000	47.1	74.0	26.9	113	100	33.8	57.0	4.1	H
5	10106.050000	55.2	74.0	18.8	0	100	38.3	56.5	5.4	H
6	17700.800000	57.6	74.0	16.4	266	100	40.9	56.1	6.9	H
Avg	1008.500000	33.1	74.0	40.9	191	100	25.3	59.9	2.1	
1										H
2	1237.150000	25.6	54.0	28.4	0	100	25.4	58.7	2.3	H
3	2166.200000	29.0	54.0	25.0	360	100	26.4	56.4	2.7	H
4	3532.150000	30.2	54.0	23.8	360	100	29.4	57.4	3.1	H
5	5954.650000	37.1	54.0	16.9	113	100	33.8	57.0	4.1	H
6	10106.050000	46.3	54.0	7.7	0	100	38.3	56.5	5.4	H

Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	Horizontal
Test Mode:	TX Mode 5		

Remark:

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

Mode 5 (5230MHz) Vertical



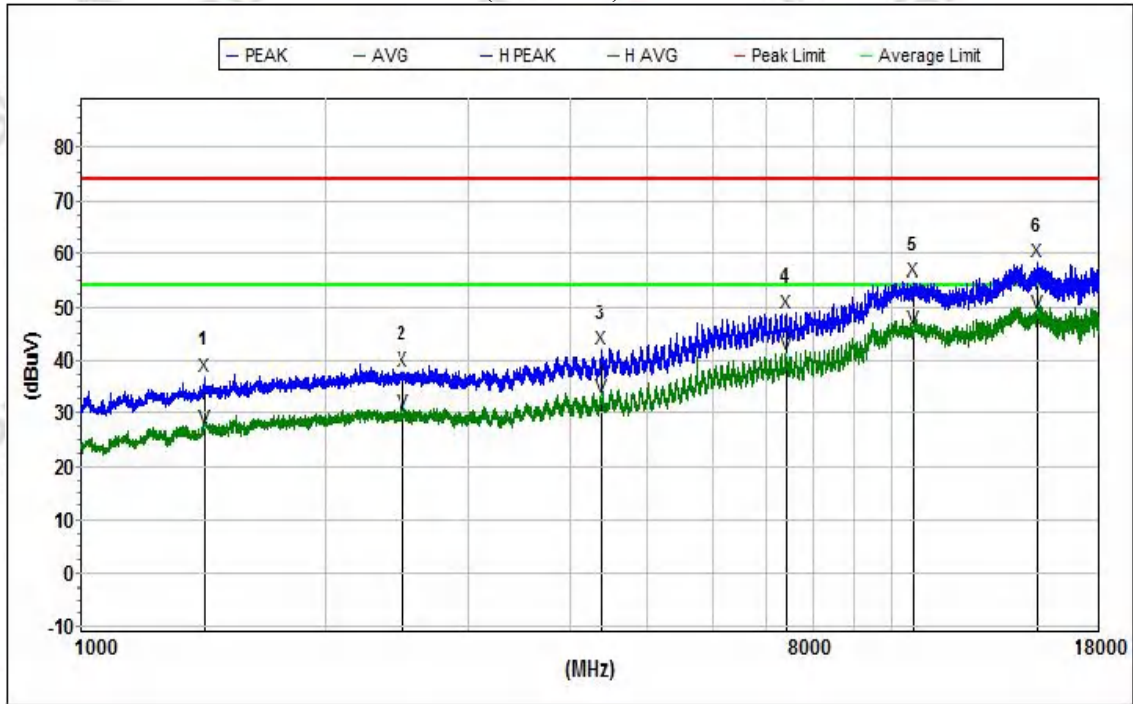
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1227.800000	34.2	74.0	39.8	243	100	25.3	58.7	2.3	V
2	2004.700000	38.6	74.0	35.4	86	100	25.5	56.3	2.7	V
3	3128.400000	38.7	74.0	35.3	360	100	28.8	57.7	3.0	V
4	5626.550000	44.5	74.0	29.5	243	100	32.6	57.2	4.0	V
5	9481.300000	53.8	74.0	20.2	360	100	37.8	56.9	5.4	V
6	17613.250000	58.0	74.0	16.0	360	100	40.7	56.1	6.9	V
Avg										
1	1227.800000	26.1	54.0	27.9	243	100	25.3	58.7	2.3	V
2	2004.700000	27.9	54.0	26.1	86	100	25.5	56.3	2.7	V
3	3128.400000	28.8	54.0	25.2	360	100	28.8	57.7	3.0	V
4	5626.550000	35.8	54.0	18.2	243	100	32.6	57.2	4.0	V
5	9481.300000	45.4	54.0	8.6	360	100	37.8	56.9	5.4	V
6	17613.250000	48.5	54.0	5.5	360	100	40.7	56.1	6.9	V

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

Remark:

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

Mode 6 (5755MHz) Horizontal



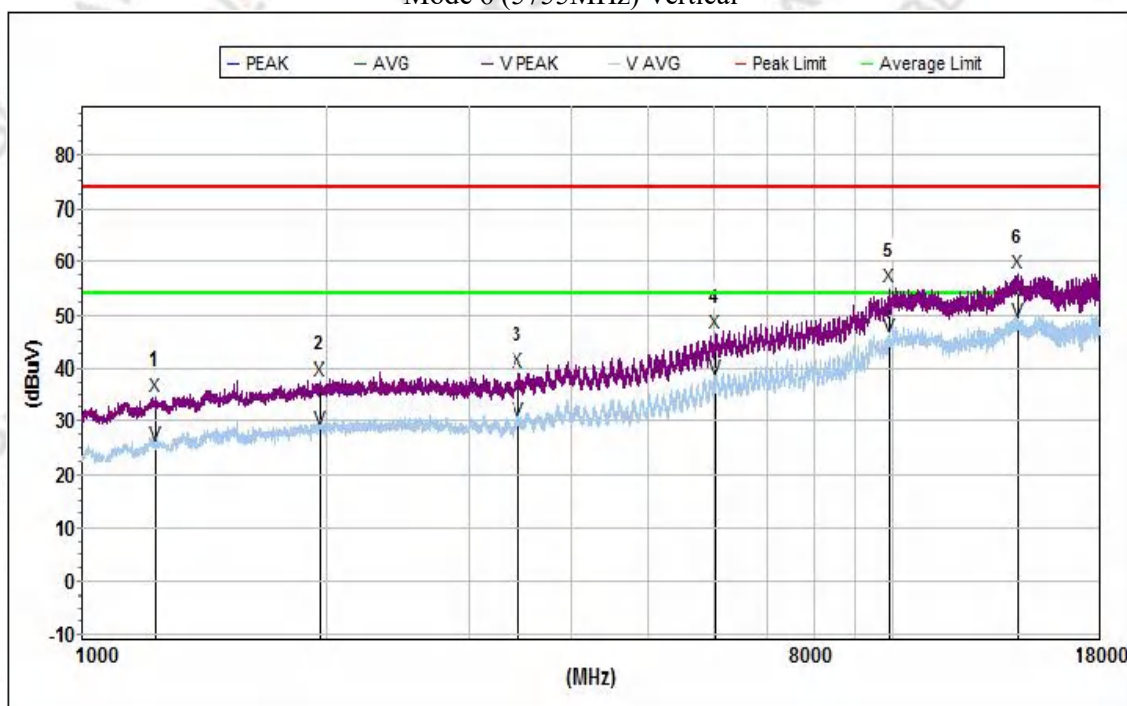
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1419.050000	37.1	74.0	36.9	0	100	25.5	58.0	2.4	H
2	2497.700000	37.9	74.0	36.1	0	100	27.6	57.1	2.8	H
3	4379.600000	41.9	74.0	32.1	360	100	31.2	57.4	3.5	H
4	7403.050000	49.0	74.0	25.0	0	100	36.3	57.0	4.6	H
5	10605.850000	54.9	74.0	19.1	92	100	38.6	56.7	5.6	H
6	15104.900000	58.3	74.0	15.7	170	100	38.9	55.9	6.4	H
Avg										
1	1419.050000	27.1	54.0	26.9	0	100	25.5	58.0	2.4	H
2	2497.700000	30.2	54.0	23.8	0	100	27.6	57.1	2.8	H
3	4379.600000	33.1	54.0	20.9	360	100	31.2	57.4	3.5	H
4	7403.050000	41.1	54.0	12.9	0	100	36.3	57.0	4.6	H
5	10605.850000	45.8	54.0	8.2	92	100	38.6	56.7	5.6	H
6	15104.900000	48.8	54.0	5.2	170	100	38.9	55.9	6.4	H

Temperature:	23.4°C	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 (5755MHz) Vertical



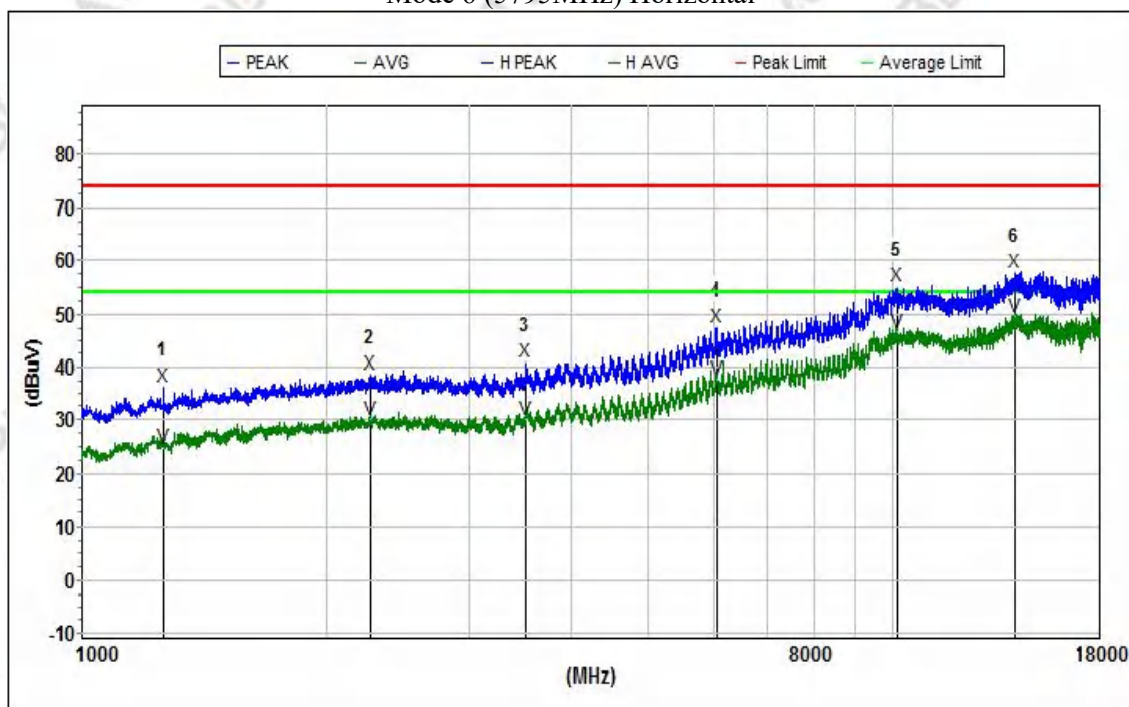
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1229.500000	34.6	74.0	39.4	38	100	25.3	58.7	2.3	V
2	1970.700000	37.6	74.0	36.4	115	100	25.4	56.3	2.7	V
3	3455.650000	39.4	74.0	34.6	360	100	29.1	57.4	3.1	V
4	6038.800000	46.7	74.0	27.3	193	100	33.9	57.0	4.1	V
5	9896.100000	55.0	74.0	19.0	115	100	38.0	56.6	5.4	V
6	14267.650000	57.6	74.0	16.4	38	100	39.6	55.9	6.2	V
Avg										
1	1229.500000	25.4	54.0	28.6	38	100	25.3	58.7	2.3	V
2	1970.700000	28.5	54.0	25.5	115	100	25.4	56.3	2.7	V
3	3455.650000	30.0	54.0	24.0	360	100	29.1	57.4	3.1	V
4	6038.800000	37.9	54.0	16.1	193	100	33.9	57.0	4.1	V
5	9896.100000	45.9	54.0	8.1	115	100	38.0	56.6	5.4	V
6	14267.650000	49.0	54.0	5.0	38	100	39.6	55.9	6.2	V

Temperature:	23.4°C	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 (5795MHz) Horizontal



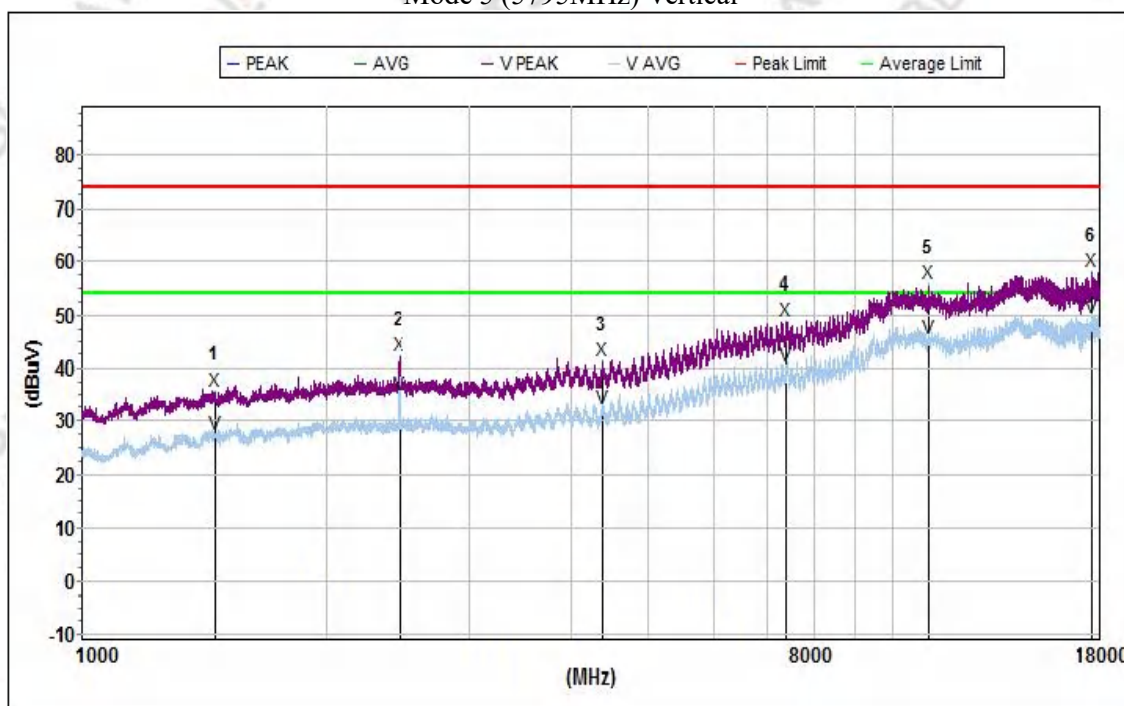
Mk.	Freq. (MHz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	1257.550000	36.5	74.0	37.5	39	100	25.4	58.6	2.3	H
2	2265.650000	38.7	74.0	35.3	193	100	27.0	56.5	2.8	H
3	3533.850000	40.9	74.0	33.1	39	100	29.4	57.4	3.1	H
4	6048.150000	47.4	74.0	26.6	270	100	34.0	57.0	4.1	H
5	10105.200000	55.0	74.0	19.0	270	100	38.3	56.5	5.4	H
6	14152.050000	57.9	74.0	16.1	270	100	39.8	55.9	6.2	H
Avg										
1	1257.550000	24.9	54.0	29.1	39	100	25.4	58.6	2.3	H
2	2265.650000	30.0	54.0	24.0	193	100	27.0	56.5	2.8	H
3	3533.850000	30.2	54.0	23.8	39	100	29.4	57.4	3.1	H
4	6048.150000	37.8	54.0	16.2	270	100	34.0	57.0	4.1	H
5	10105.200000	46.5	54.0	7.5	270	100	38.3	56.5	5.4	H
6	14152.050000	49.4	54.0	4.6	270	100	39.8	55.9	6.2	H

Temperature:	23.4°C	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 5 (5795MHz) 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	1457.300000	35.8	74.0	38.2	0	100	25.5	57.8	2.4	V
2	2457.750000	42.4	74.0	31.6	360	100	27.3	57.0	2.8	V
3	4375.350000	41.2	74.0	32.8	322	100	30.7	57.4	3.5	V
4	7392.850000	49.0	74.0	25.0	18	100	36.1	57.0	4.6	V
5	11058.050000	55.8	74.0	18.2	0	100	38.8	56.8	5.7	V
6	17598.800000	58.2	74.0	15.8	18	100	40.6	56.1	6.9	V
Avg										
1	1457.300000	27.4	54.0	26.6	0	100	25.5	57.8	2.4	V
2	2457.750000	35.1	54.0	18.9	360	100	27.3	57.0	2.8	V
3	4375.350000	32.5	54.0	21.5	322	100	30.7	57.4	3.5	V
4	7392.850000	40.3	54.0	13.7	18	100	36.1	57.0	4.6	V
5	11058.050000	45.7	54.0	8.3	0	100	38.8	56.8	5.7	V
6	17598.800000	49.6	54.0	4.4	18	100	40.6	56.1	6.9	V

For above 18GHz

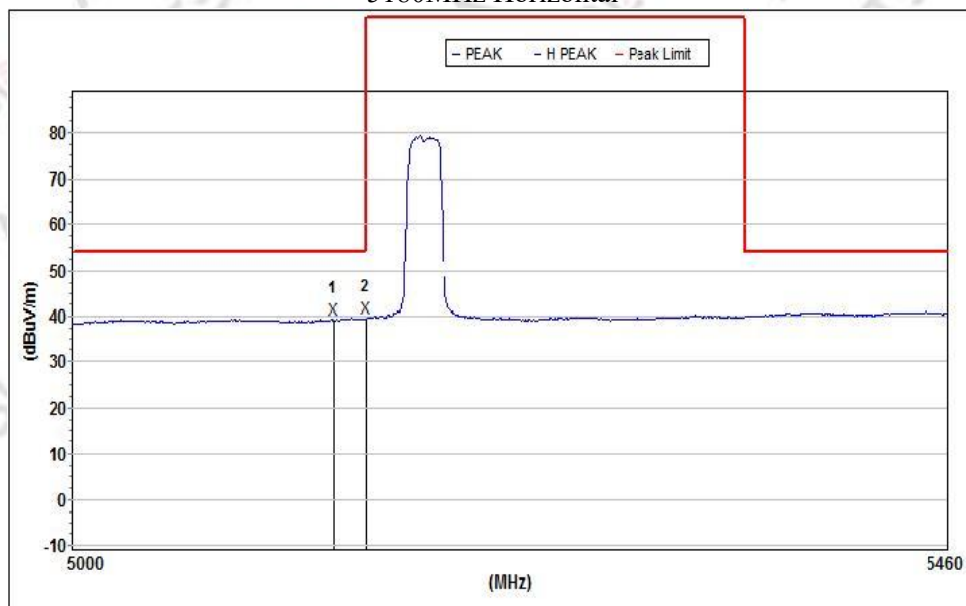
Temperature:	23.4°C	Relative Humidity:	55%RH
Test Voltage:	DC12V	Polarization:	--
Test Mode:	TX Mode		

Note:

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

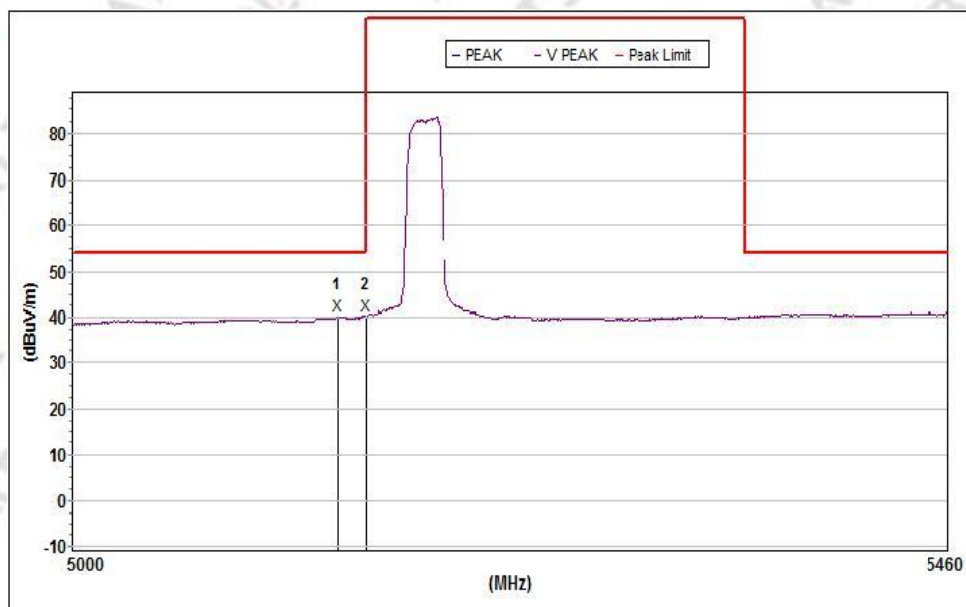
3.2.7.2. FOR RESTRICTED BANDS OF OPERATION

5180MHz Horizontal



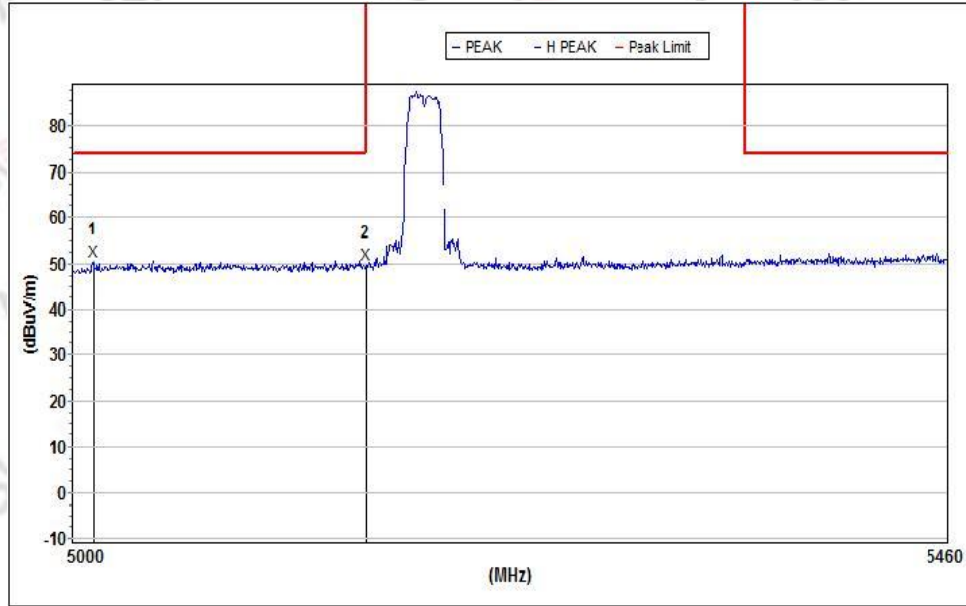
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5132.871011	39.3	54.0	14.7	172	100	32.5	57.5	10.1	H
2	5150.000000	39.6	54.0	14.4	172	100	32.5	57.5	10.1	H

5180MHz Vertical



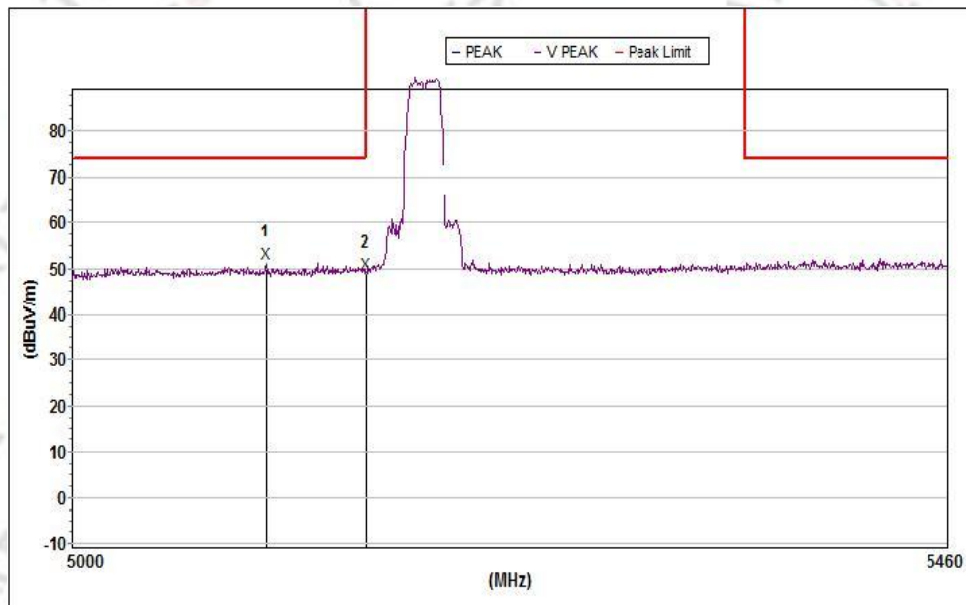
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5135.130250	40.3	54.0	13.7	99	100	32.6	57.5	10.1	V
2	5150.000000	40.3	54.0	13.7	99	100	32.5	57.5	10.1	V

5180MHz Horizontal



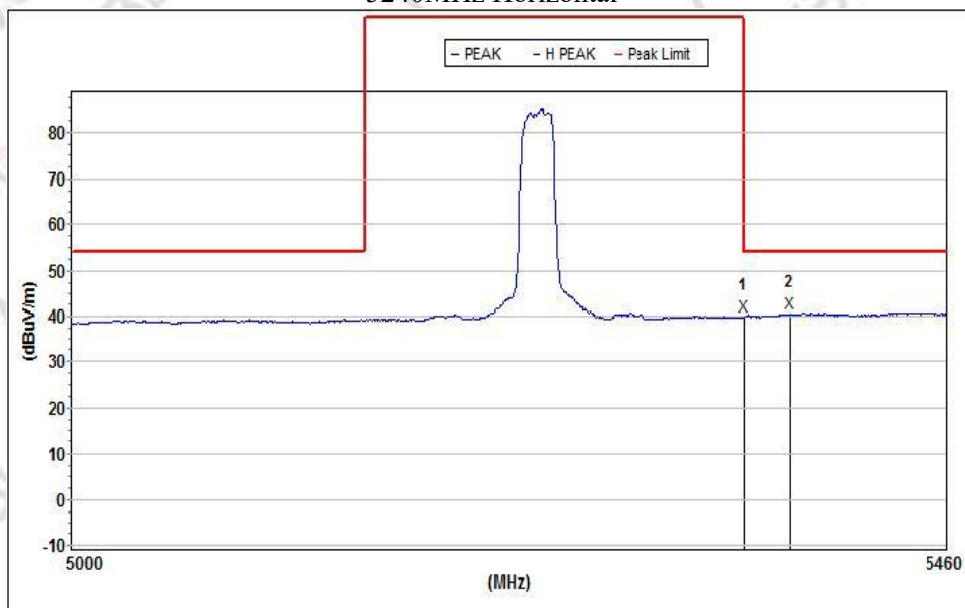
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5010.572467	50.6	74.0	23.4	308	100	32.8	57.5	9.9	H
2	5150.000000	49.8	74.0	24.2	355	100	32.5	57.5	10.1	H

5180MHz Vertical



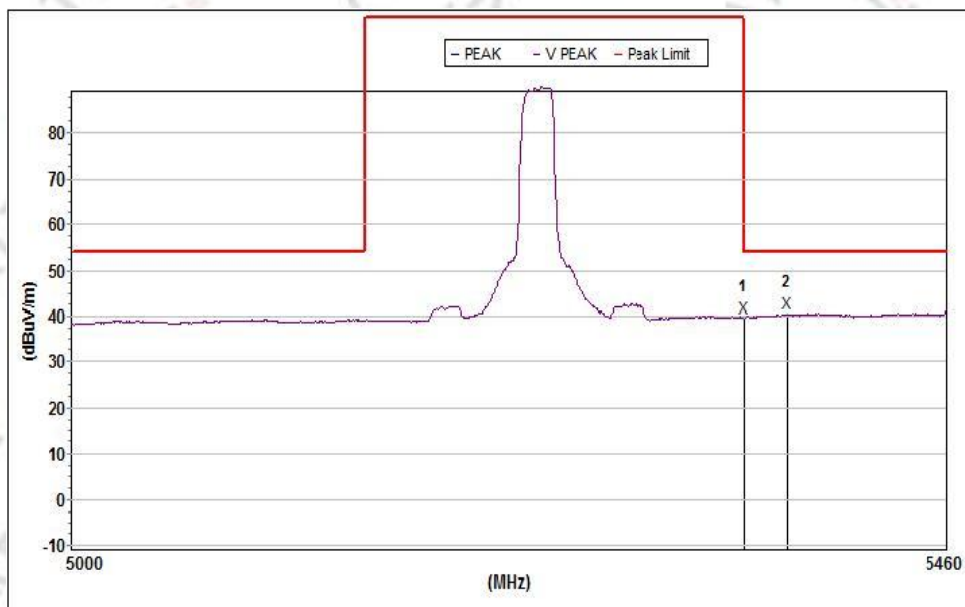
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5098.652694	51.2	74.0	22.8	360	100	32.6	57.5	10.2	V
2	5150.000000	48.9	74.0	25.1	121	100	32.5	57.5	10.1	V

5240MHz Horizontal



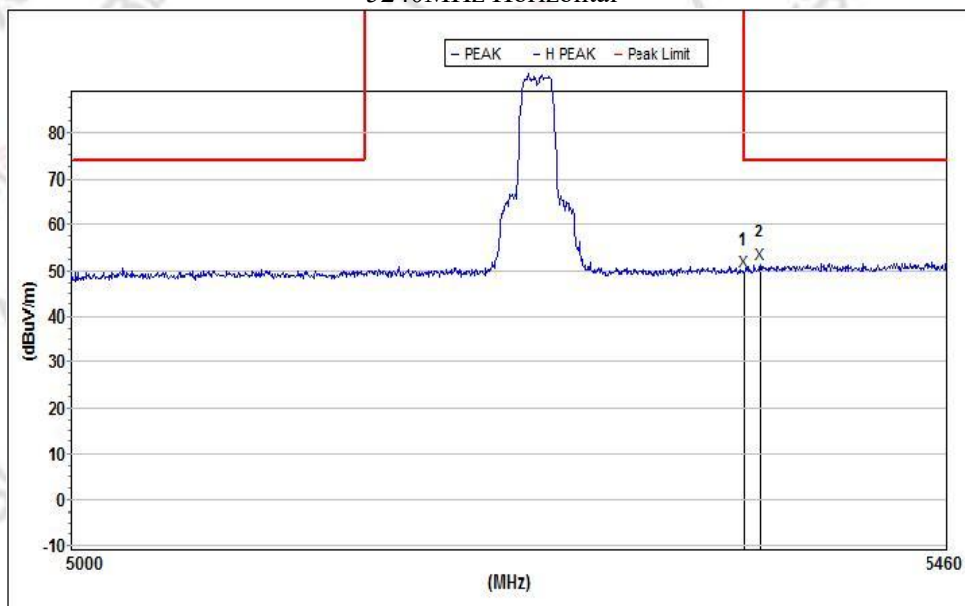
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5350.010000	40.0	54.0	14.0	192	100	32.3	57.3	10.4	H
2	5374.184448	40.5	54.0	13.5	25	100	32.3	57.3	10.4	H

5240MHz Vertical



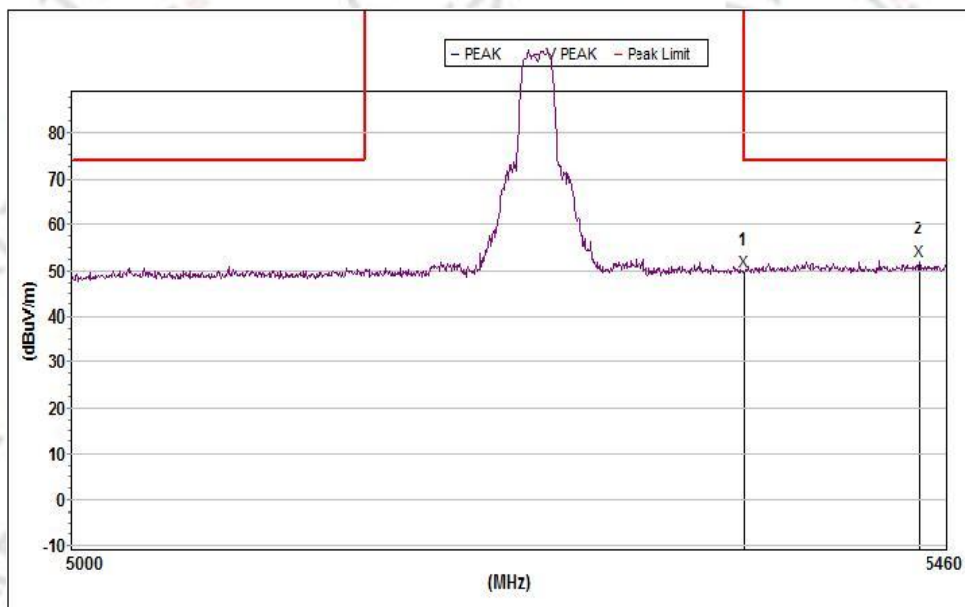
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5350.010000	39.8	54.0	14.2	276	100	32.3	57.3	10.4	V
2	5373.238558	40.5	54.0	13.5	152	100	32.3	57.3	10.4	V

5240MHz Horizontal



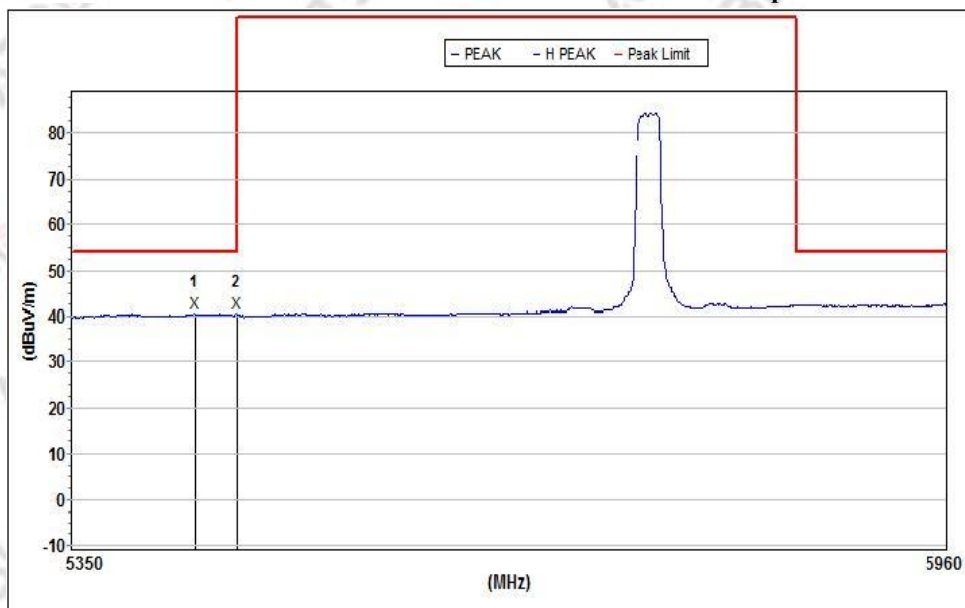
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5350.010000	50.0	74.0	24.0	360	100	32.3	57.3	10.4	H
2	5358.598531	51.6	74.0	22.4	291	100	32.3	57.3	10.4	H

5240MHz Vertical



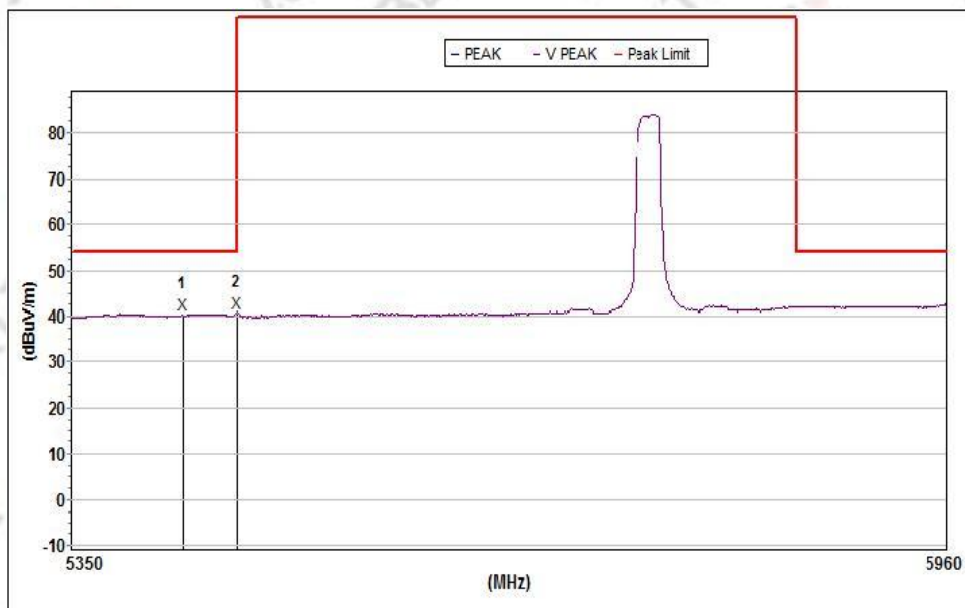
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5350.010000	50.0	74.0	24.0	145	100	32.3	57.3	10.4	V
2	5444.644373	52.2	74.0	21.8	52	100	32.2	57.3	10.5	V

5745MHz Horizontal



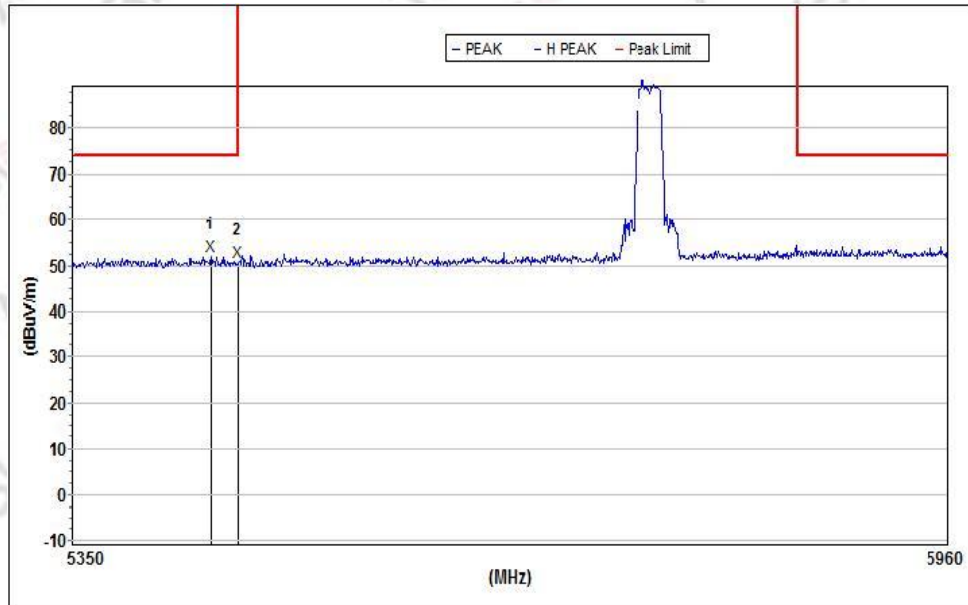
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5432.073297	40.6	54.0	13.4	241	100	32.3	57.3	10.5	H
2	5460.000000	40.6	54.0	13.4	148	100	32.3	57.3	10.5	H

5745MHz Vertical



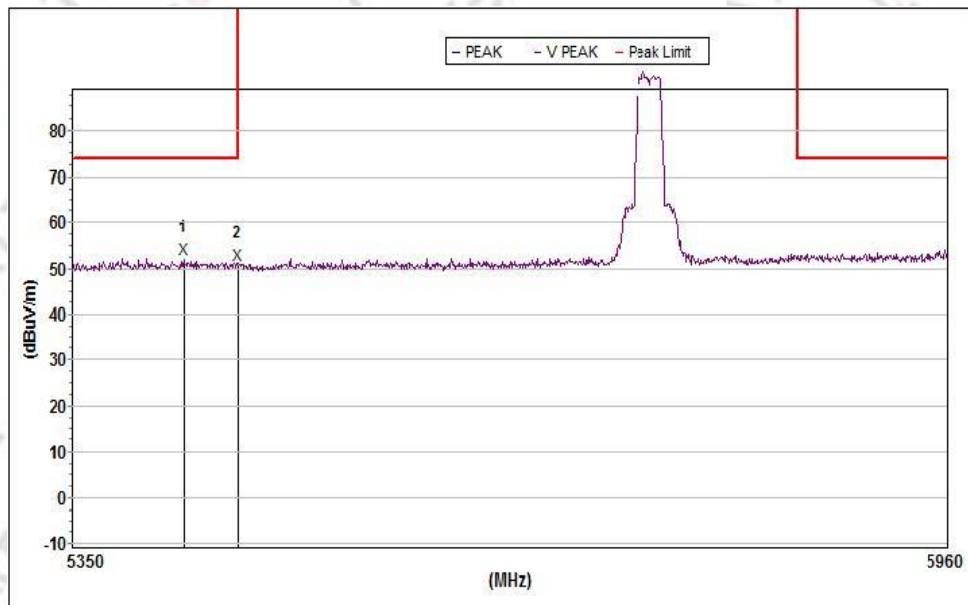
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5423.868188	40.3	54.0	13.7	87	100	32.2	57.3	10.5	V
2	5460.000000	40.6	54.0	13.4	150	100	32.2	57.3	10.5	V

5745MHz Horizontal



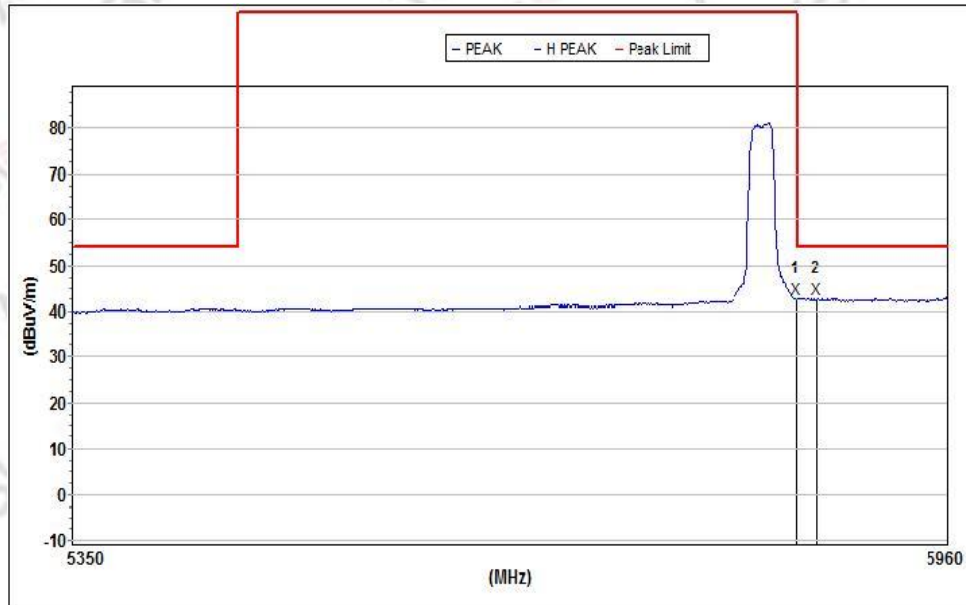
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5442.053332	52.1	74.0	21.9	6	100	32.3	57.3	10.5	H
2	5460.000000	51.0	74.0	23.0	1	100	32.3	57.3	10.5	H

5745MHz Vertical



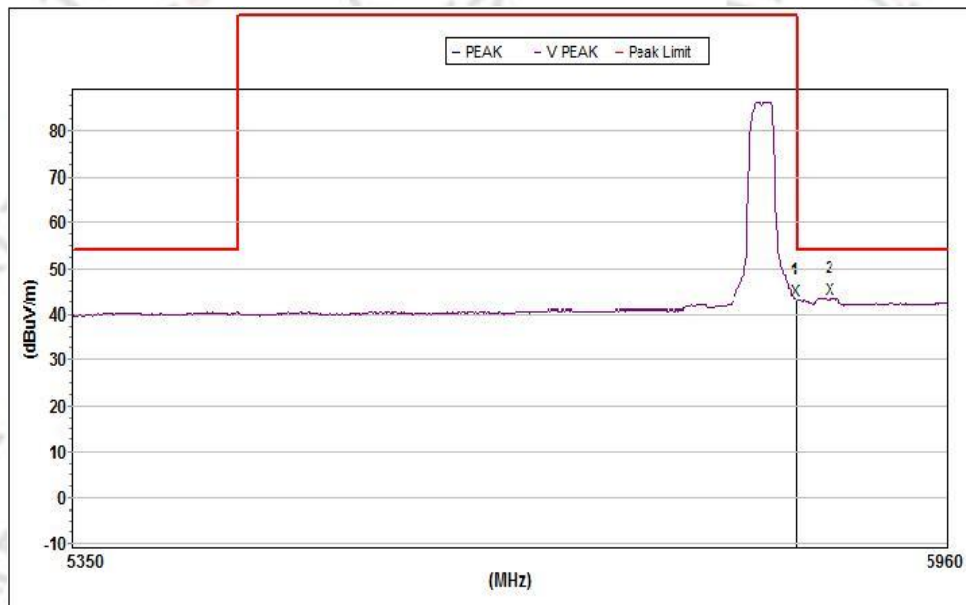
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5423.868188	52.3	74.0	21.7	209	100	32.2	57.3	10.5	V
2	5460.000000	50.7	74.0	23.3	0	100	32.2	57.3	10.5	V

5785MHz Horizontal



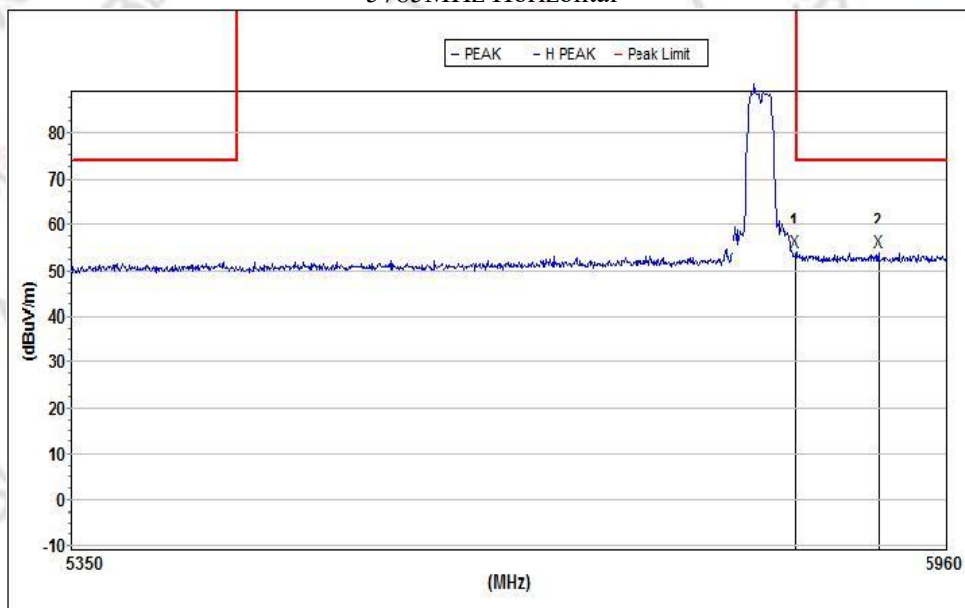
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5850.010000	42.5	54.0	11.5	308	100	33.6	57.0	10.8	H
2	5864.248806	42.7	54.0	11.3	184	100	33.6	57.0	10.8	H

5785MHz Vertical



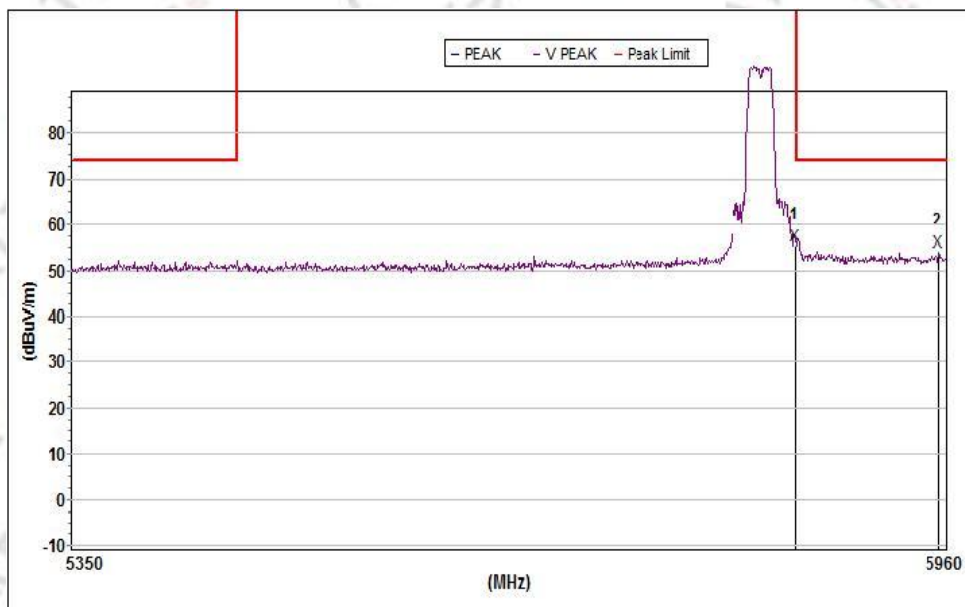
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5850.010000	42.9	54.0	11.1	116	100	33.3	57.0	10.8	V
2	5874.388537	43.4	54.0	10.6	116	100	33.4	57.0	10.8	V

5785MHz Horizontal



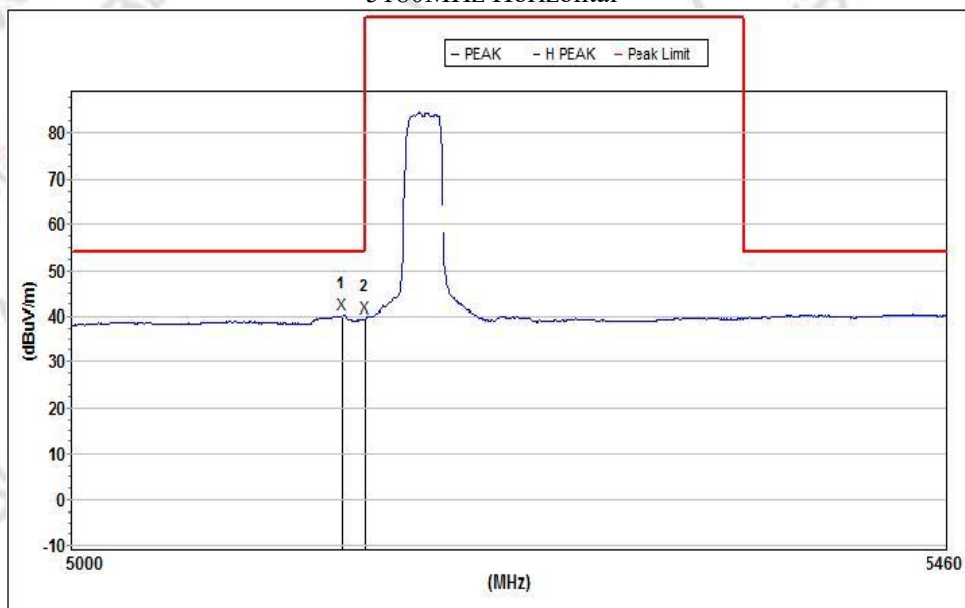
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5850.010000	54.0	74.0	20.0	175	100	33.6	57.0	10.8	H
2	5910.015862	54.0	74.0	20.0	160	100	33.7	57.0	10.8	H

5785MHz Vertical



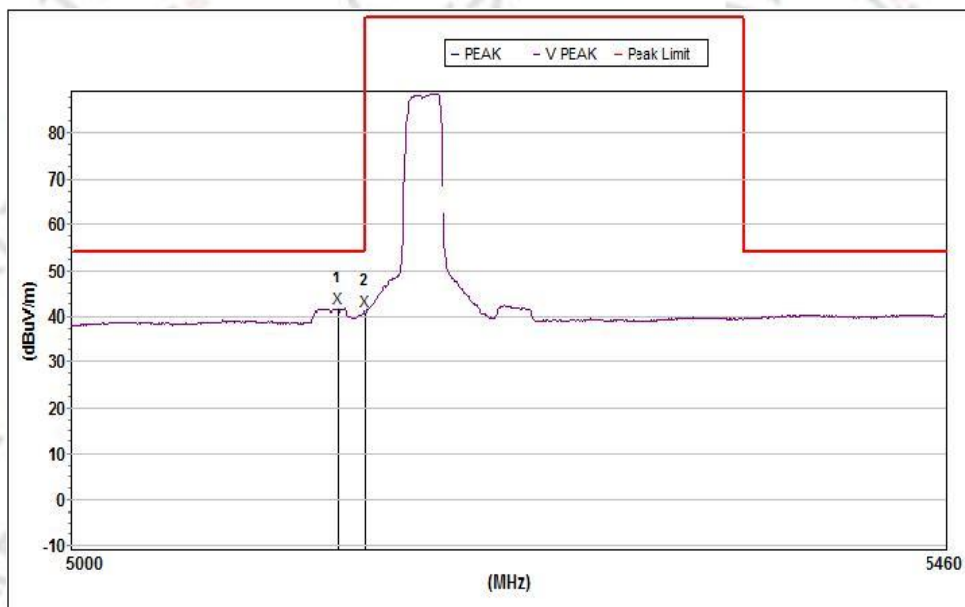
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5850.010000	55.6	74.0	18.4	45	100	33.3	57.0	10.8	V
2	5954.211092	54.1	74.0	19.9	61	100	33.7	57.0	10.8	V

5180MHz Horizontal



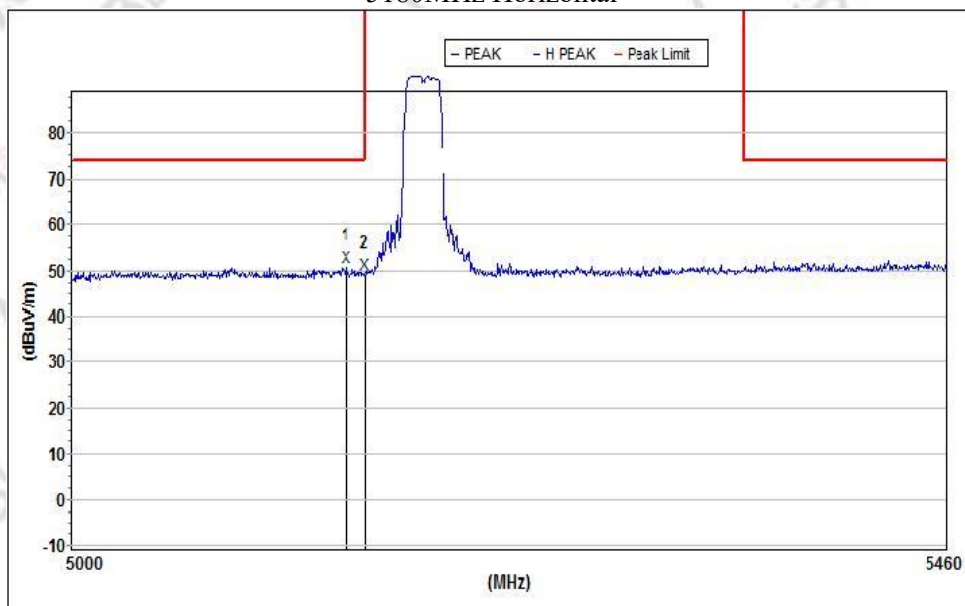
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5137.390484	40.2	54.0	13.8	163	100	32.5	57.5	10.1	H
2	5150.000000	39.8	54.0	14.2	163	100	32.5	57.5	10.1	H

5180MHz Vertical



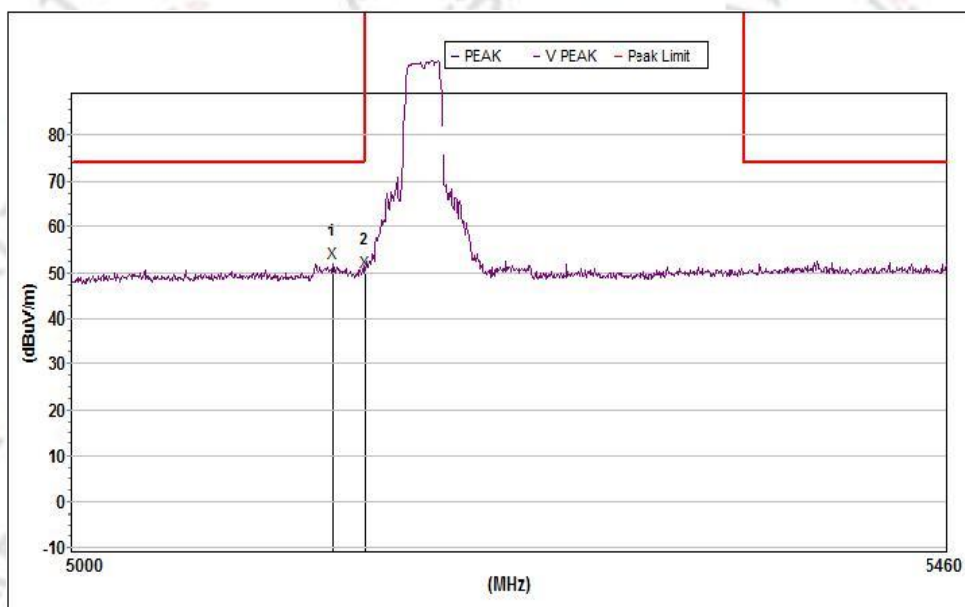
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5135.582218	41.6	54.0	12.4	98	100	32.6	57.5	10.1	V
2	5150.000000	41.1	54.0	12.9	98	100	32.5	57.5	10.1	V

5180MHz Horizontal



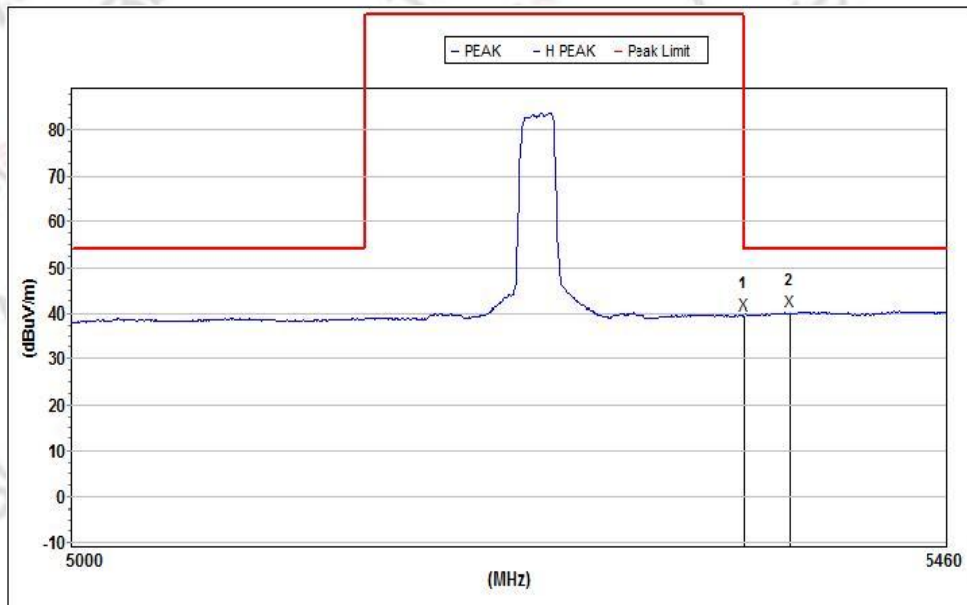
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5140.104078	50.9	74.0	23.1	173	100	32.5	57.5	10.1	H
2	5150.000000	49.3	74.0	24.7	143	100	32.5	57.5	10.1	H

5180MHz Vertical



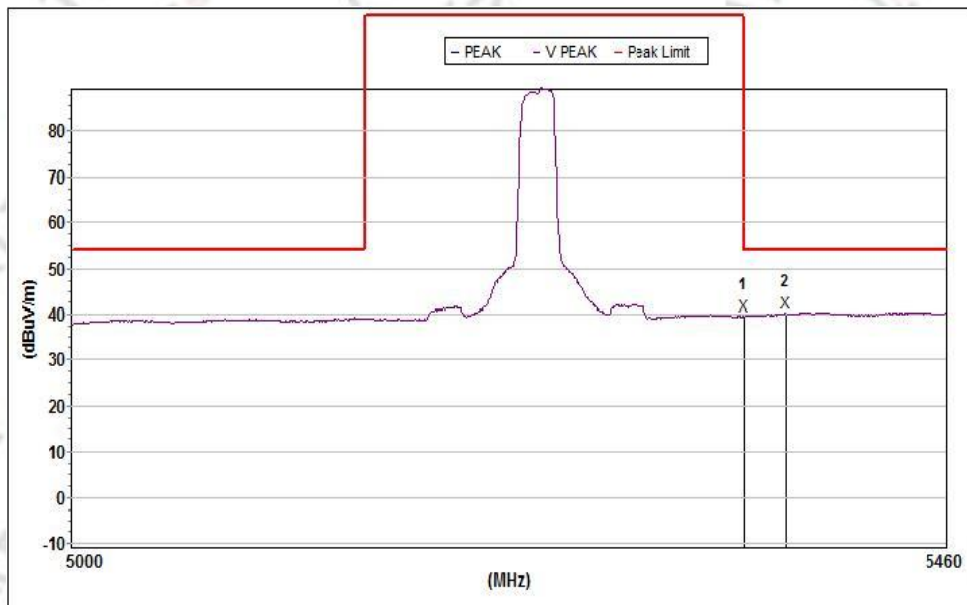
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5132.871011	52.1	74.0	21.9	118	100	32.6	57.5	10.1	V
2	5150.000000	50.3	74.0	23.7	87	100	32.5	57.5	10.1	V

5240MHz Horizontal



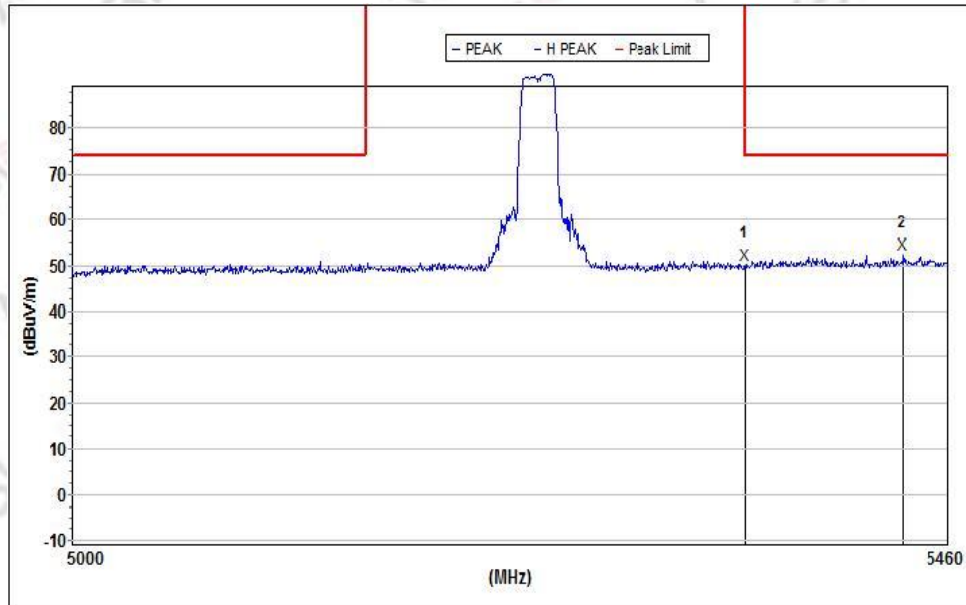
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5350.010000	39.7	54.0	14.3	24	100	32.3	57.3	10.4	H
2	5374.184448	40.3	54.0	13.7	131	100	32.3	57.3	10.4	H

5240MHz Vertical



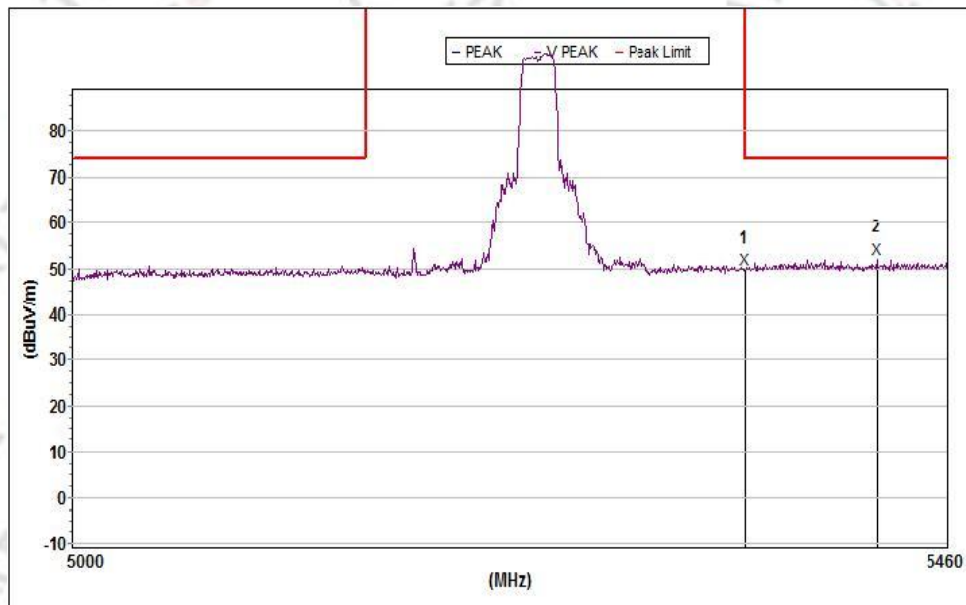
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5350.010000	39.6	54.0	14.4	360	100	32.3	57.3	10.4	V
2	5372.292834	40.3	54.0	13.7	293	100	32.3	57.3	10.4	V

5240MHz Horizontal



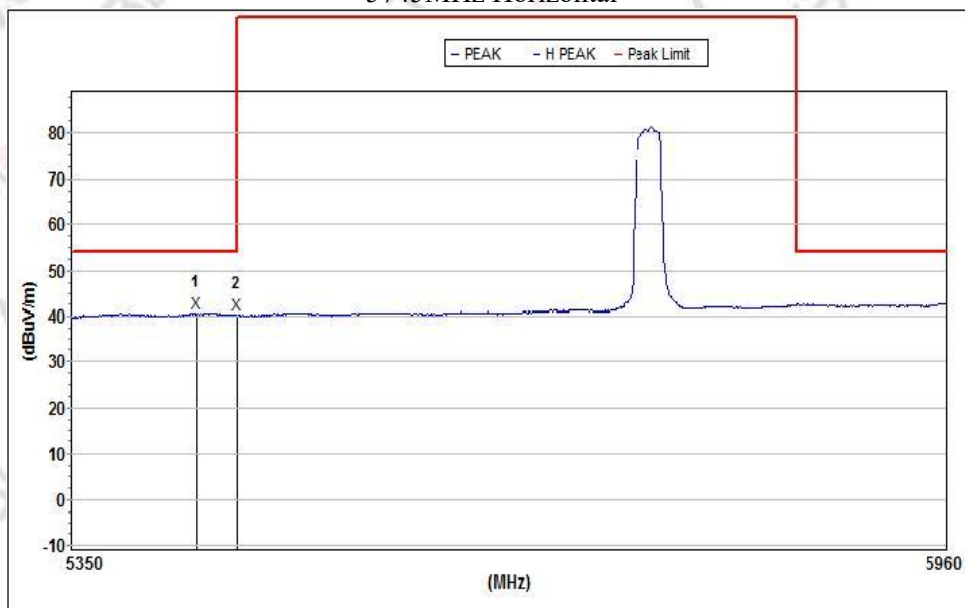
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5350.010000	50.3	74.0	23.7	3	100	32.3	57.3	10.4	H
2	5435.547411	52.5	74.0	21.5	108	100	32.3	57.3	10.5	H

5240MHz Vertical



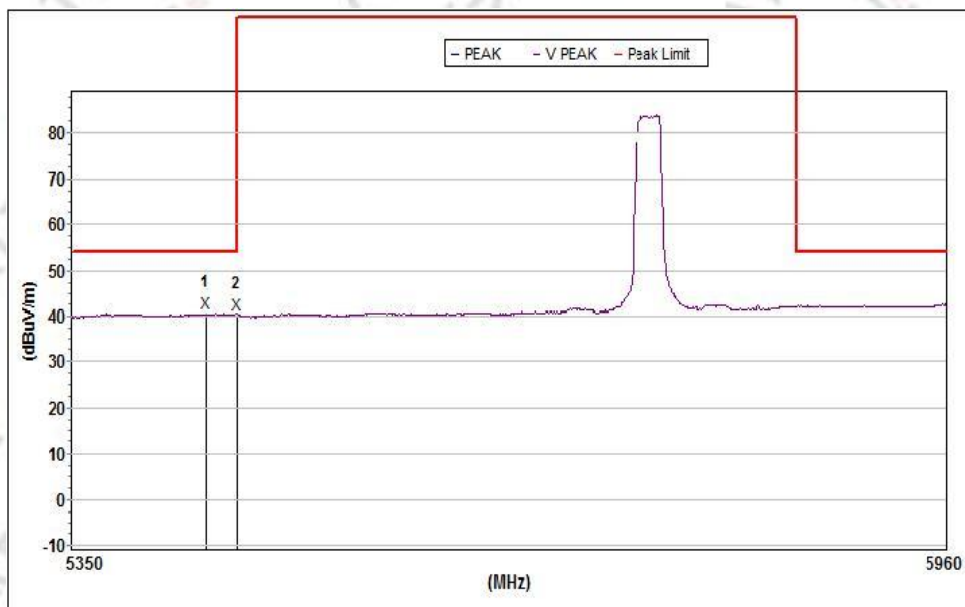
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5350.010000	49.7	74.0	24.3	357	100	32.3	57.3	10.4	V
2	5421.214721	52.0	74.0	22.0	23	100	32.2	57.3	10.5	V

5745MHz Horizontal



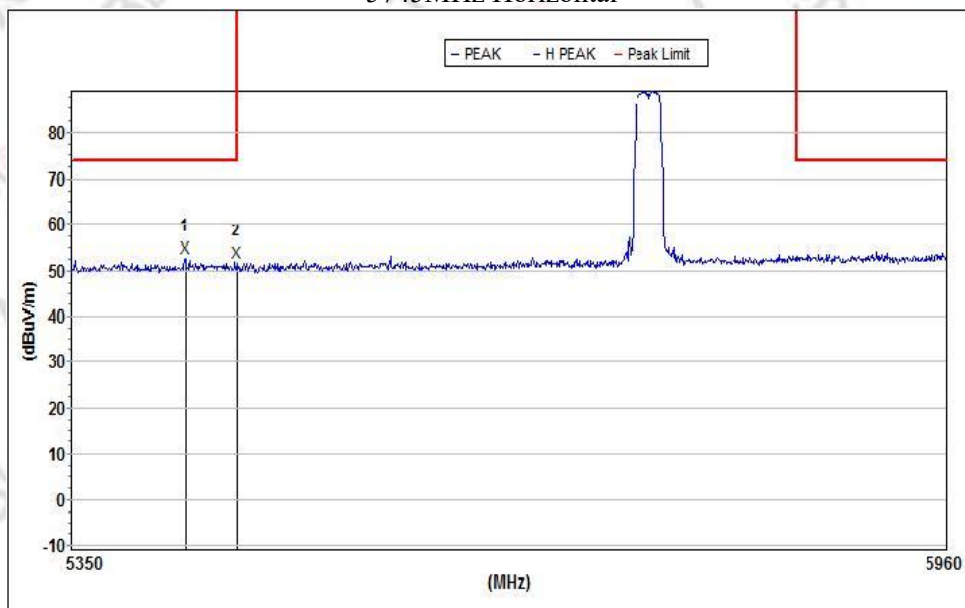
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5433.246468	40.6	54.0	13.4	207	100	32.3	57.3	10.5	H
2	5460.000000	40.2	54.0	13.8	146	100	32.3	57.3	10.5	H

5745MHz Vertical



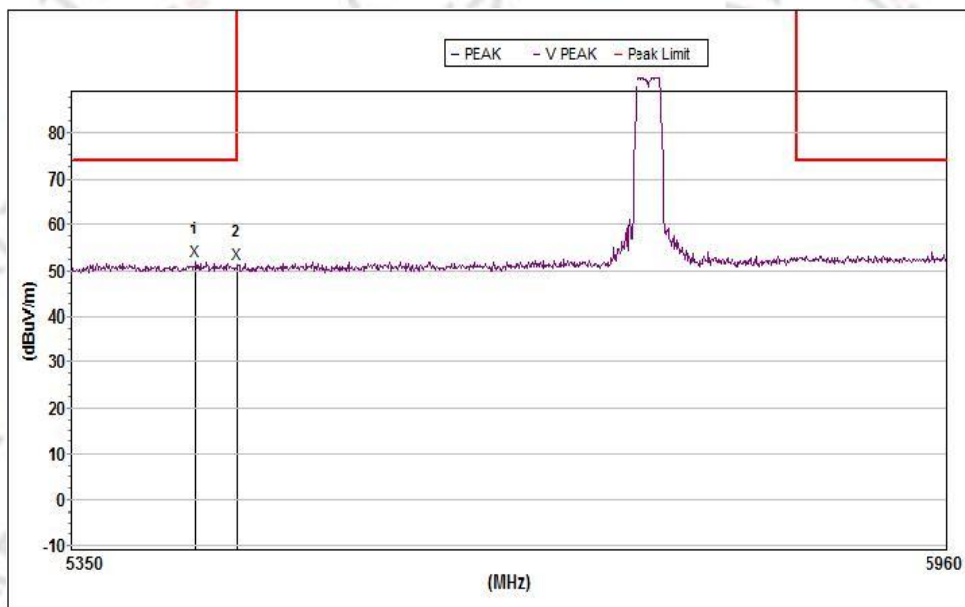
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5439.116125	40.5	54.0	13.5	273	100	32.2	57.3	10.5	V
2	5460.000000	40.4	54.0	13.6	149	100	32.2	57.3	10.5	V

5745MHz Horizontal



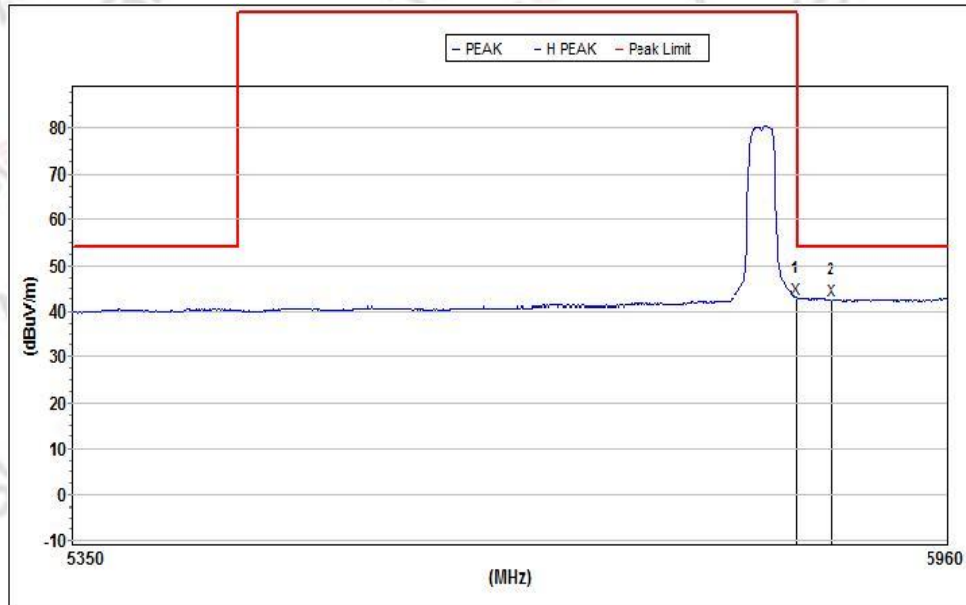
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5425.625382	52.8	74.0	21.2	8	100	32.3	57.3	10.5	H
2	5460.000000	51.7	74.0	22.3	244	100	32.3	57.3	10.5	H

5745MHz Vertical



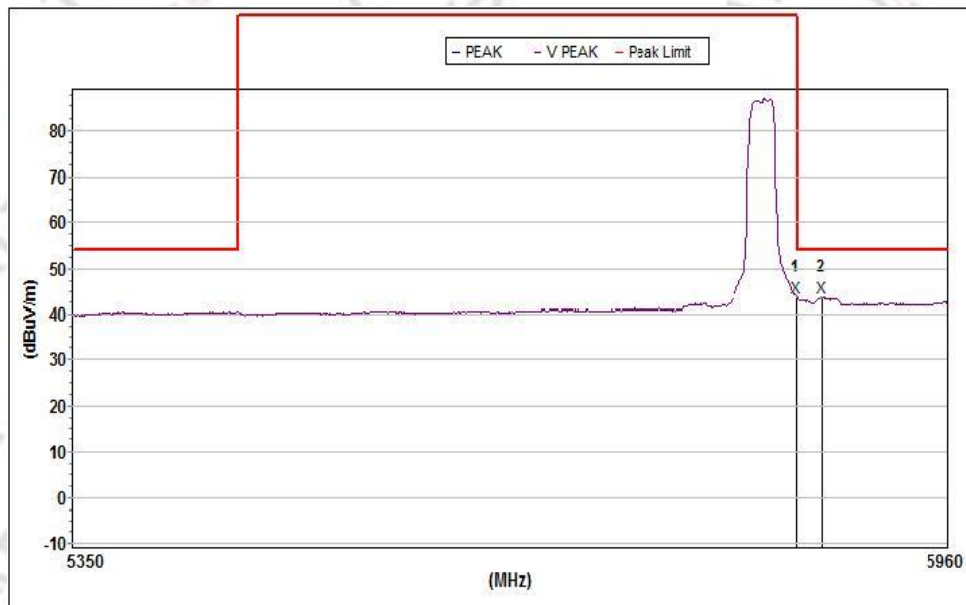
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5432.659851	52.2	74.0	21.8	86	100	32.2	57.3	10.5	V
2	5460.000000	51.5	74.0	22.5	71	100	32.2	57.3	10.5	V

5825MHz Horizontal



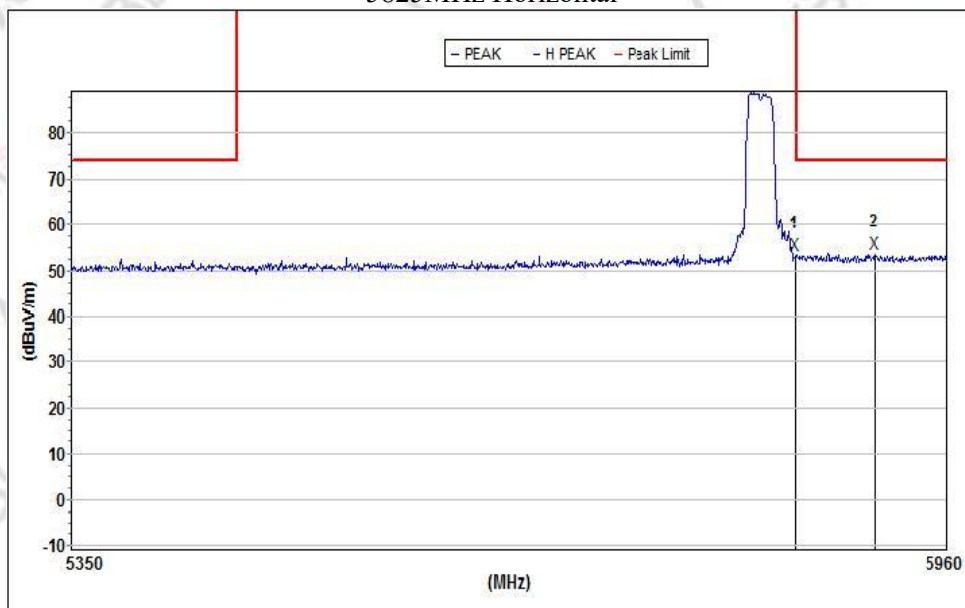
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5850.010000	42.7	54.0	11.3	149	100	33.6	57.0	10.8	H
2	5875.657235	42.4	54.0	11.6	89	100	33.7	57.0	10.8	H

5825MHz Vertical



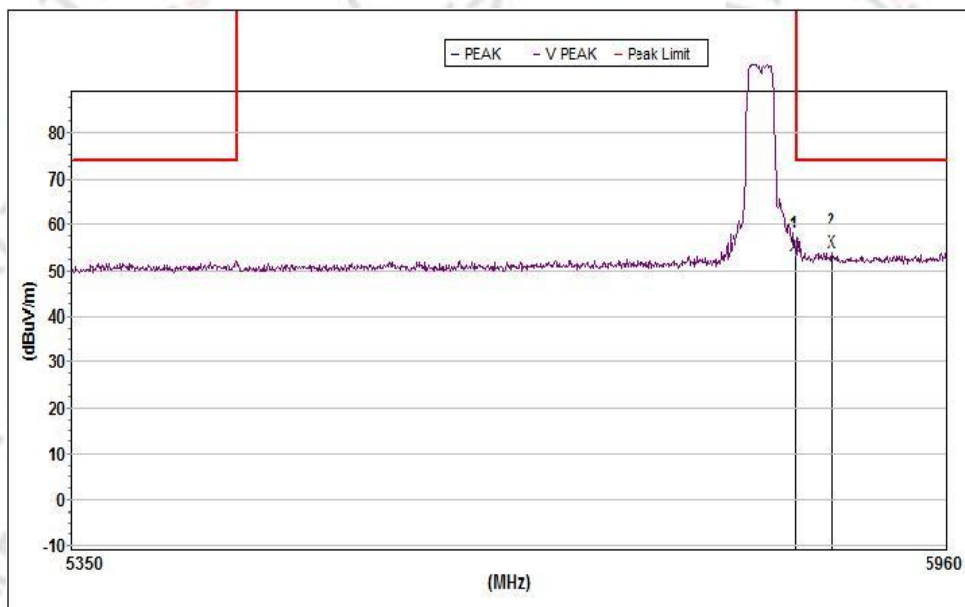
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5850.010000	43.6	54.0	10.4	101	100	33.3	57.0	10.8	V
2	5867.415590	43.6	54.0	10.4	116	100	33.4	57.0	10.8	V

5825MHz Horizontal



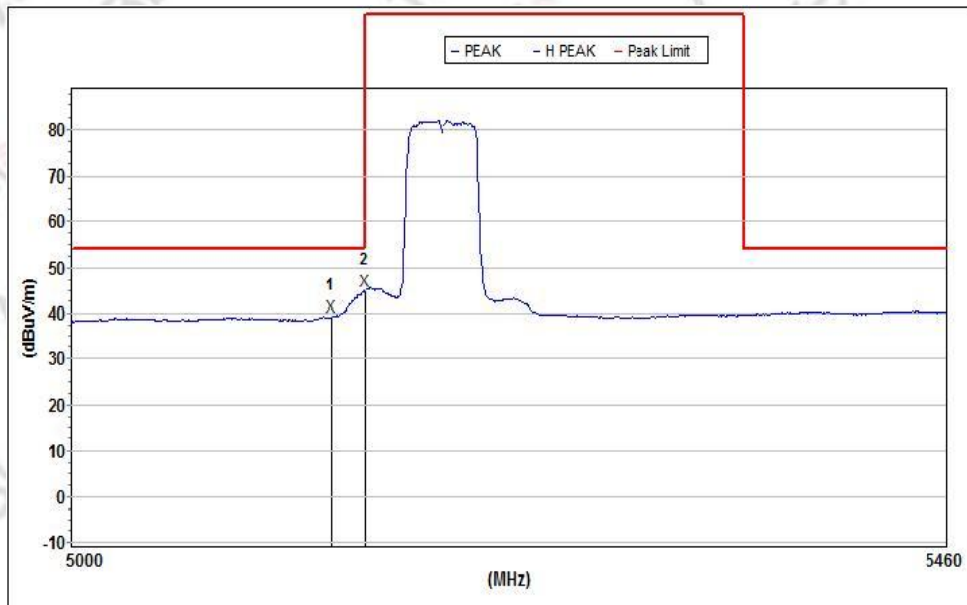
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5850.010000	53.5	74.0	20.5	276	100	33.6	57.0	10.8	H
2	5907.463903	53.9	74.0	20.1	9	100	33.7	57.0	10.8	H

5825MHz Vertical



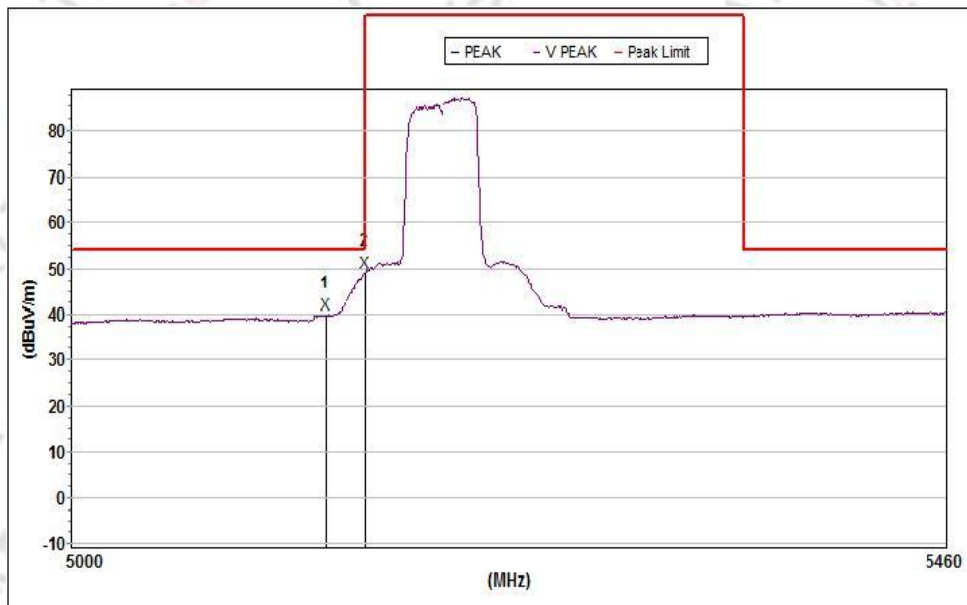
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5850.010000	53.4	74.0	20.6	98	100	33.3	57.0	10.8	V
2	5876.291687	54.2	74.0	19.8	1	100	33.4	57.0	10.8	V

5190MHz Horizontal



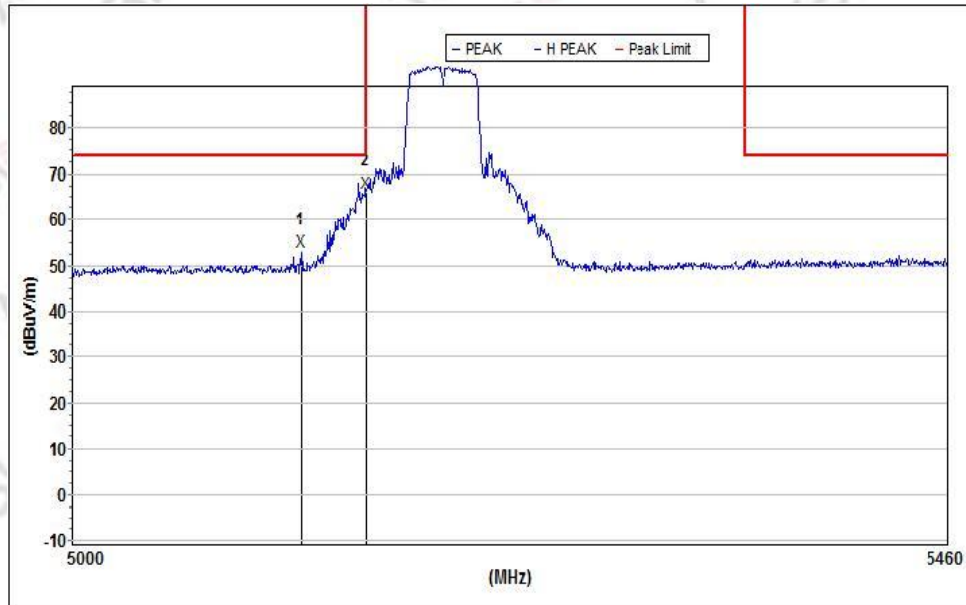
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5132.419282	39.3	54.0	14.7	161	100	32.5	57.5	10.1	H
2	5150.000000	45.0	54.0	9.0	161	100	32.5	57.5	10.1	H

5190MHz Vertical



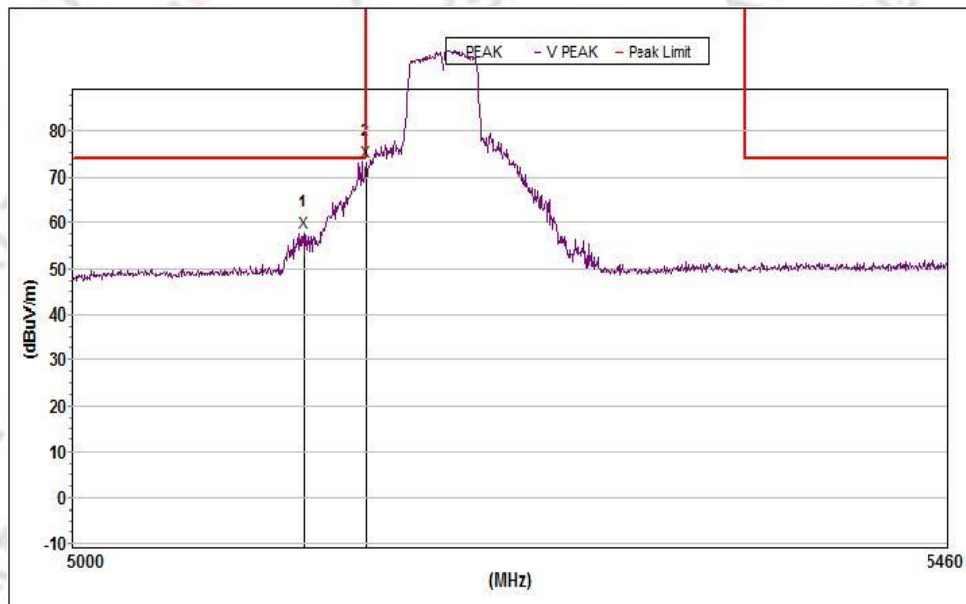
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5129.258295	39.9	54.0	14.1	89	100	32.6	57.5	10.1	V
2	5150.000000	49.1	54.0	4.9	198	100	32.5	57.5	10.1	V

5190MHz Horizontal



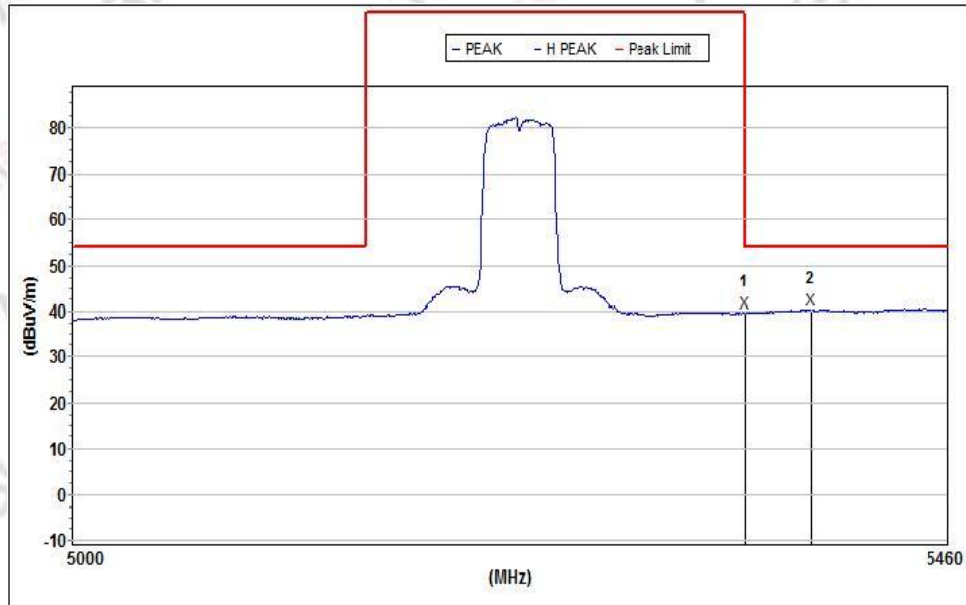
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5116.633802	53.2	74.0	20.8	161	100	32.5	57.5	10.2	H
2	5150.000000	66.1	74.0	7.9	177	100	32.5	57.5	10.1	H

5190MHz Vertical



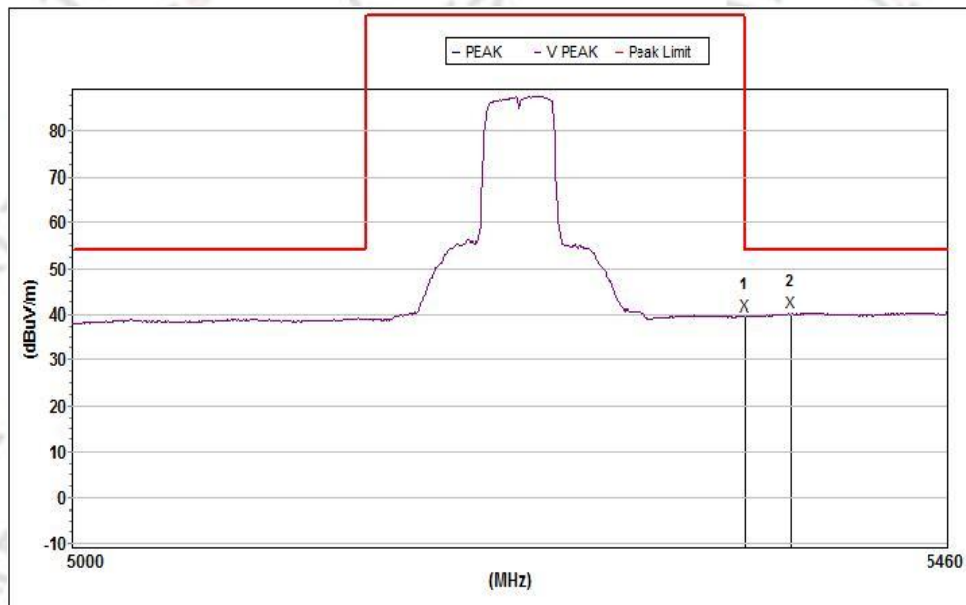
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5117.534520	57.7	74.0	16.3	105	100	32.6	57.5	10.2	V
2	5150.000000	73.2	74.0	0.8	105	100	32.5	57.5	10.1	V

5230MHz Horizontal



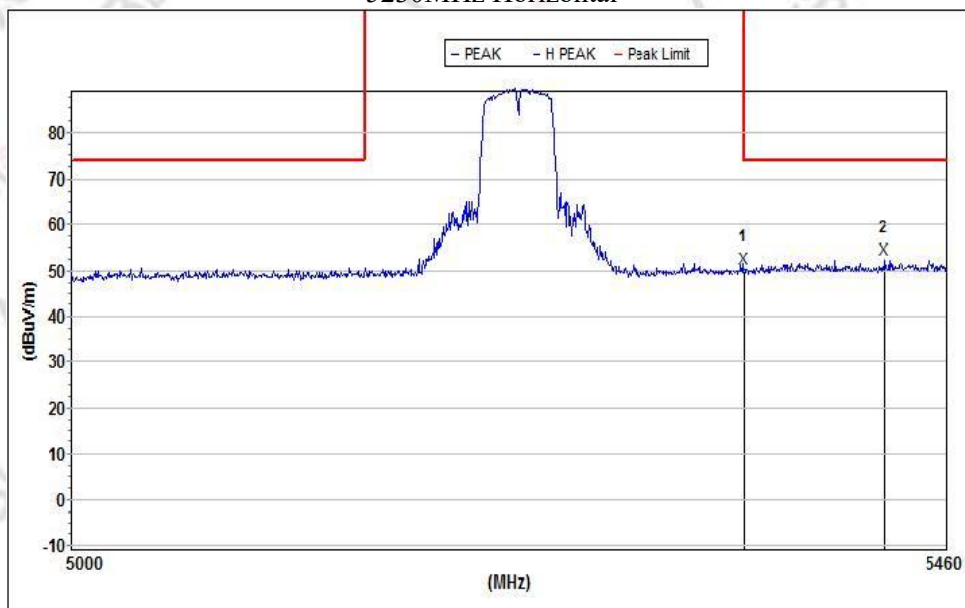
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5350.010000	39.8	54.0	14.2	181	100	32.3	57.3	10.4	H
2	5385.074160	40.4	54.0	13.6	335	100	32.2	57.3	10.5	H

5230MHz Vertical



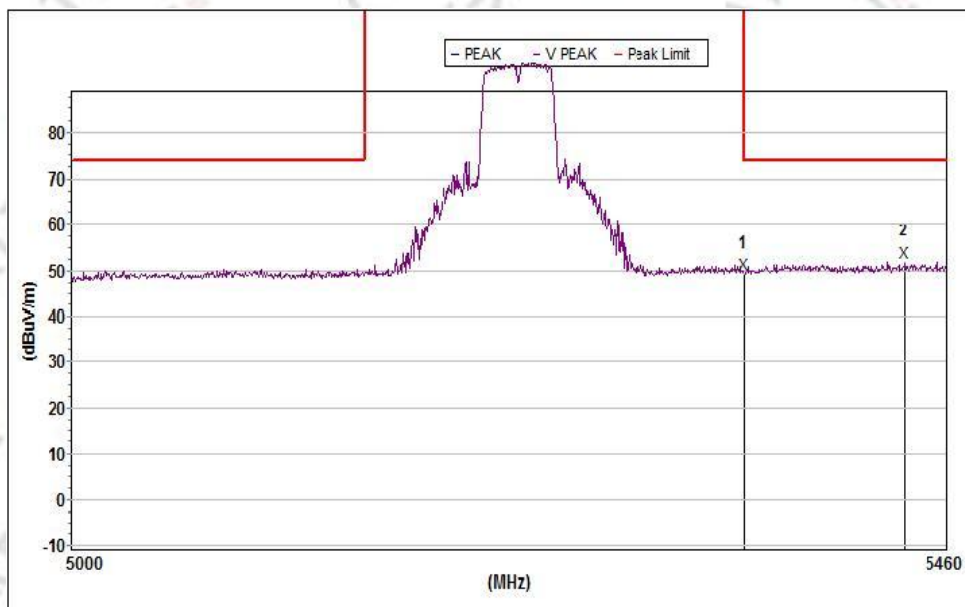
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5350.010000	39.8	54.0	14.2	194	100	32.3	57.3	10.4	V
2	5374.657455	40.3	54.0	13.7	255	100	32.3	57.3	10.4	V

5230MHz Horizontal



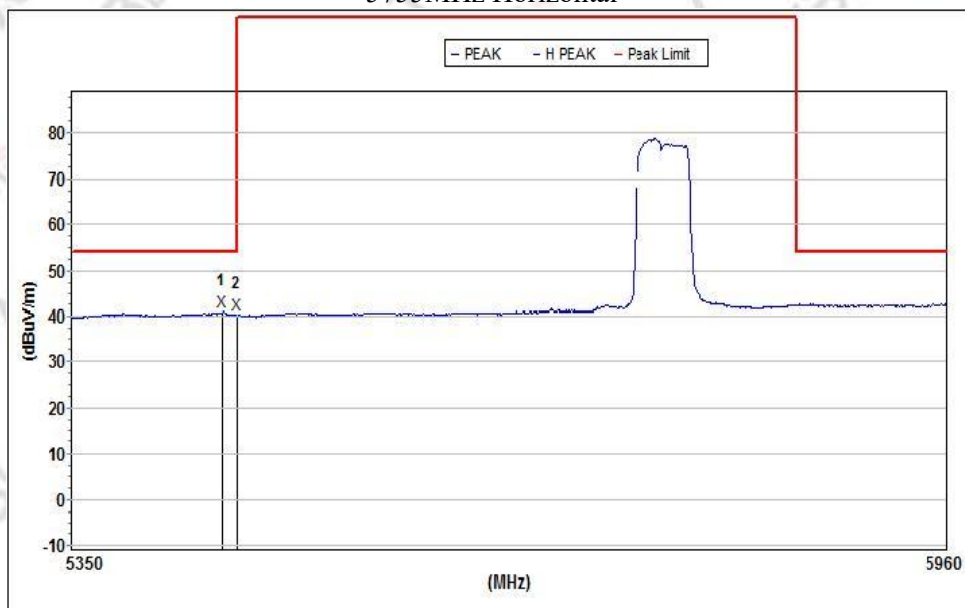
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5350.010000	50.4	74.0	23.6	0	100	32.3	57.3	10.4	H
2	5425.988080	52.5	74.0	21.5	345	100	32.3	57.3	10.5	H

5230MHz Vertical



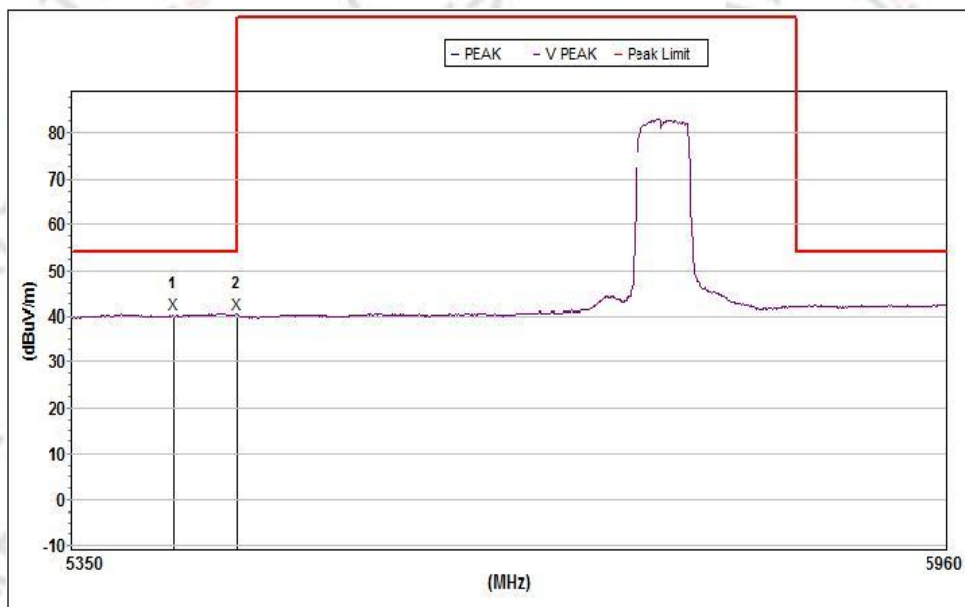
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5350.010000	49.3	74.0	24.7	360	100	32.3	57.3	10.4	V
2	5436.982762	51.9	74.0	22.1	226	100	32.2	57.3	10.5	V

5755MHz Horizontal



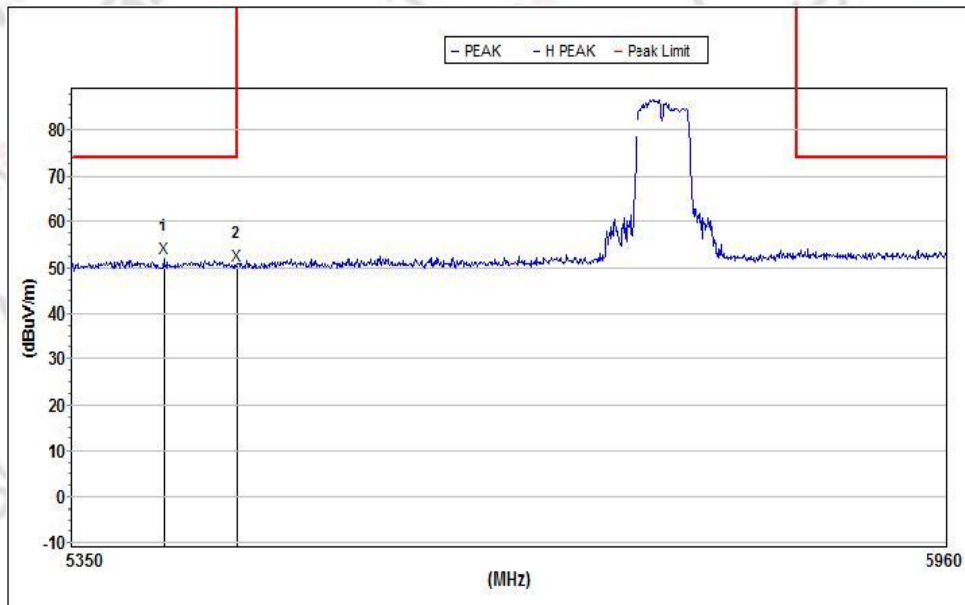
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5449.697493	41.0	54.0	13.0	137	100	32.3	57.3	10.5	H
2	5460.000000	40.2	54.0	13.8	167	100	32.3	57.3	10.5	H

5755MHz Vertical



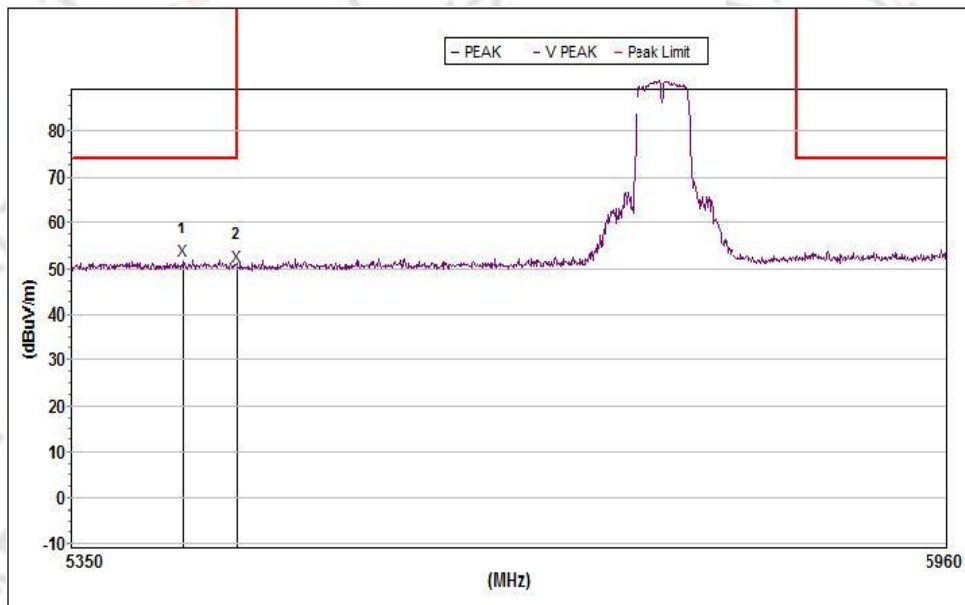
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5448.014986	40.3	54.0	13.7	352	100	32.2	57.3	10.5	V
2	5460.000000	40.4	54.0	13.6	149	100	32.2	57.3	10.5	V

5755MHz Horizontal



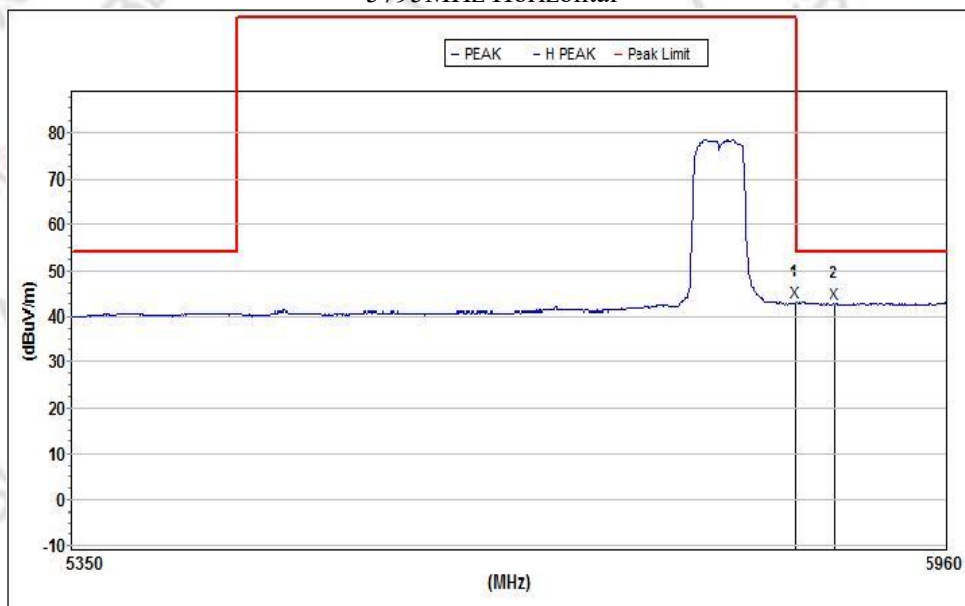
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5411.583758	52.2	74.0	21.8	102	100	32.2	57.3	10.5	H
2	5460.000000	50.4	74.0	23.6	147	100	32.3	57.3	10.5	H

5755MHz Vertical



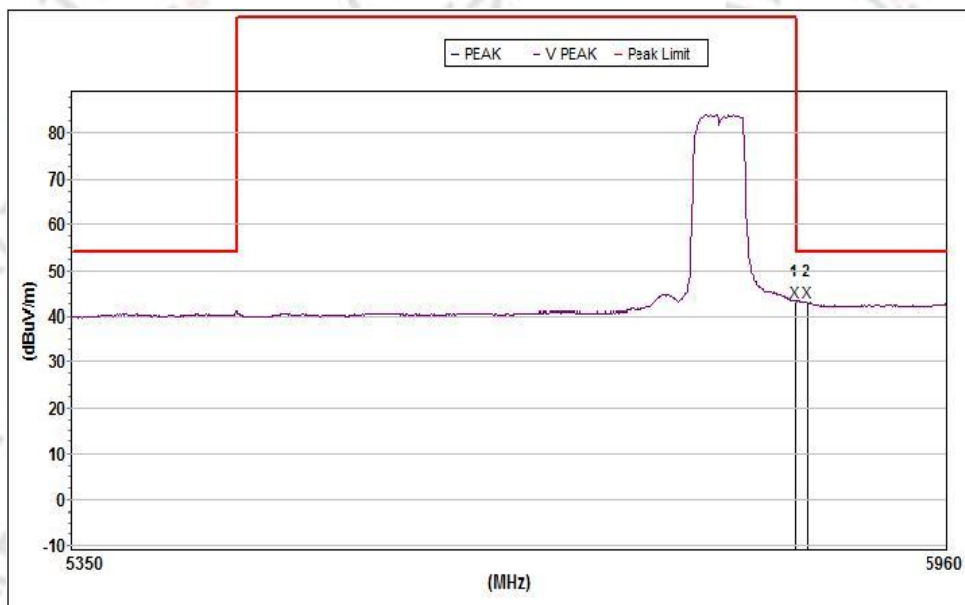
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5424.453856	51.9	74.0	22.1	307	100	32.2	57.3	10.5	V
2	5460.000000	50.6	74.0	23.4	229	100	32.2	57.3	10.5	V

5795MHz Horizontal



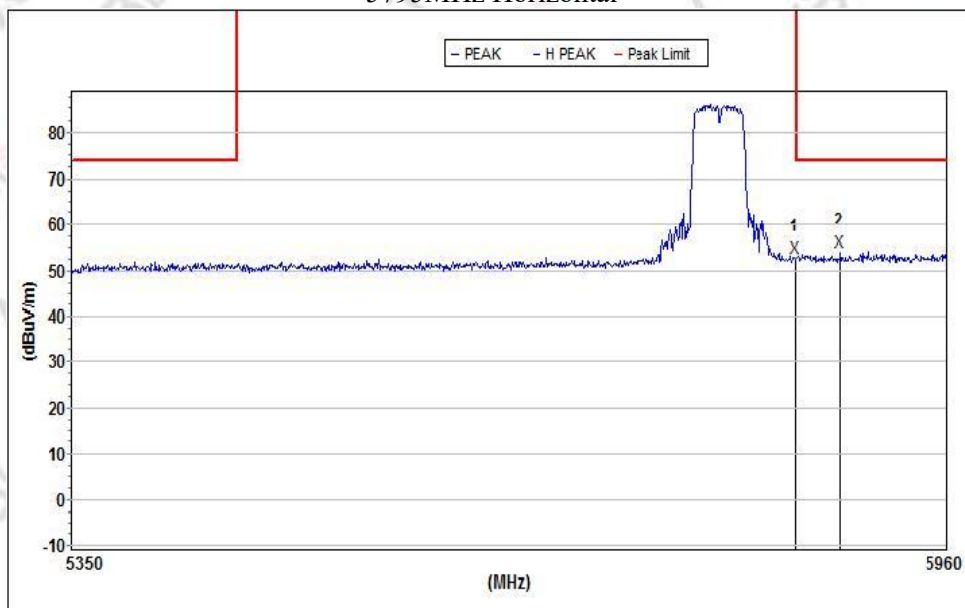
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5850.010000	42.8	54.0	11.2	305	100	33.6	57.0	10.8	H
2	5878.195454	42.6	54.0	11.4	73	100	33.7	57.0	10.8	H

5795MHz Vertical



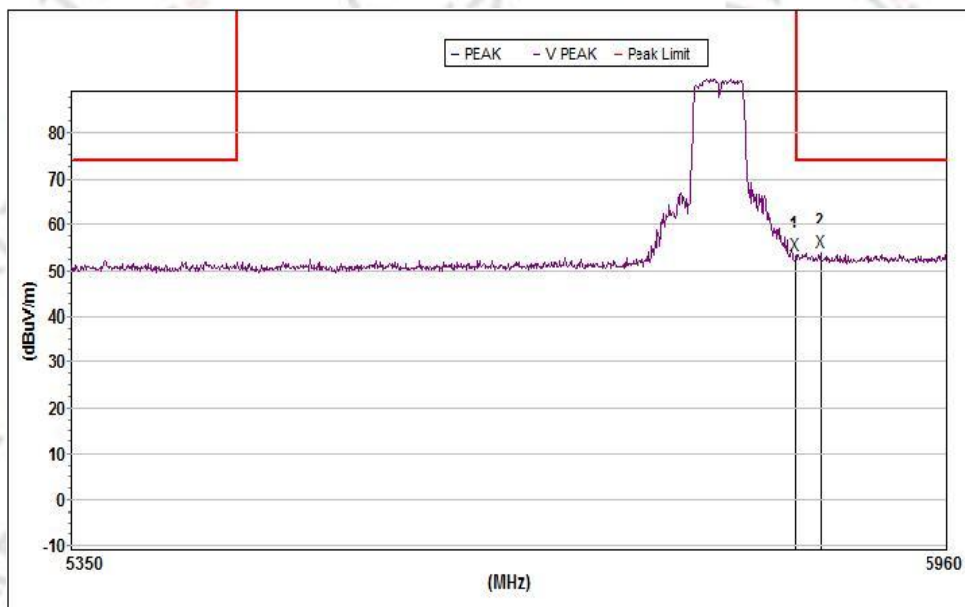
Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
AVG:										
1	5850.010000	43.1	54.0	10.9	115	100	33.3	57.0	10.8	V
2	5857.920364	43.1	54.0	10.9	115	100	33.3	57.0	10.8	V

5795MHz Horizontal



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5850.010000	52.9	74.0	21.1	131	100	33.6	57.0	10.8	H
2	5882.639976	54.0	74.0	20.0	357	100	33.7	57.0	10.8	H

5795MHz Vertical



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. (deg.)	Hi. (cm)	Ant.F/G. (dB/m)	Amp.G. (dB)	Cbl.L. (dB)	Pol.
Peak:										
1	5850.010000	53.4	74.0	20.6	360	100	33.3	57.0	10.8	V
2	5867.415590	54.1	74.0	19.9	197	100	33.4	57.0	10.8	V

4. POWER SPECTRAL DENSITY TEST

4.1. LIMIT

4.1.1 For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.1.2 For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.1.3 For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.2. TEST PROCEDURE

The setting follows Method SA-1 of FCC KDB D02 General UNII Test Procedures New Rules v01r03.

For devices operating in the band, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBW less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (*i.e.*, 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

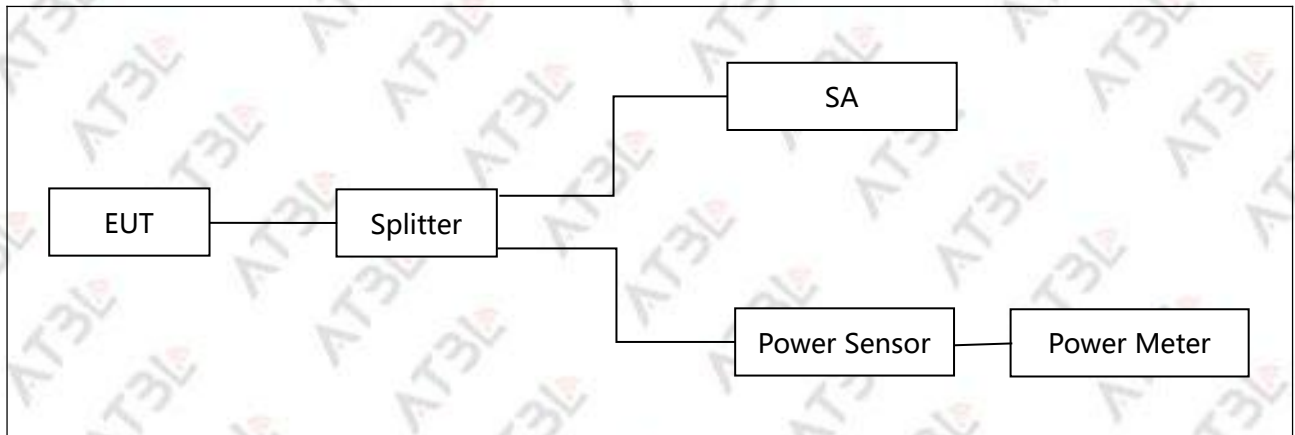
- a) Set $RBW \geq 1/T$, where T is defined in section II.B.1.a).
- b) Set $VBW \geq 3$ RBW.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log (500\text{kHz}/RBW)$ to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log (1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

4.3. DEVIATION FROM STANDARD

No deviation.

4.4. TEST SETUP



4.5. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.

4.6. TEST RESULTS

5150MHz-5250MHz

802.11a

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Duty Factor (dB)	PSD Reading (dBm/MHz)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180	0	3	0.22	13.27	13.49	17	PASS
40	5200	0	3	0.22	12.13	12.35	17	PASS
48	5240	0	3	0.22	11.98	12.20	17	PASS

802.11n20

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Duty Factor (dB)	PSD Reading (dBm/MHz)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
36	5180	0	3	0.07	10.46	10.53	17	PASS
40	5200	0	3	0.07	10.69	10.76	17	PASS
48	5240	0	3	0.07	10.62	10.68	17	PASS

802.11n40

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Duty Factor (dB)	PSD Reading (dBm/MHz)	PSD (dBm/MHz)	Limit (dBm/MHz)	Result
38	5190	0	3	0.16	7.99	8.15	17	PASS
46	5230	0	3	0.16	3.73	3.89	17	PASS

5725MHz-5850MHz

802.11a

CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Duty Factor (dB)	PSD Reading (dBm/500KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	0	3	0.22	-2.27	-2.05	30	PASS
157	5785	0	3	0.22	-2.96	-2.74	30	PASS
165	5825	0	3	0.22	-4.89	-4.67	30	PASS

802.11n20

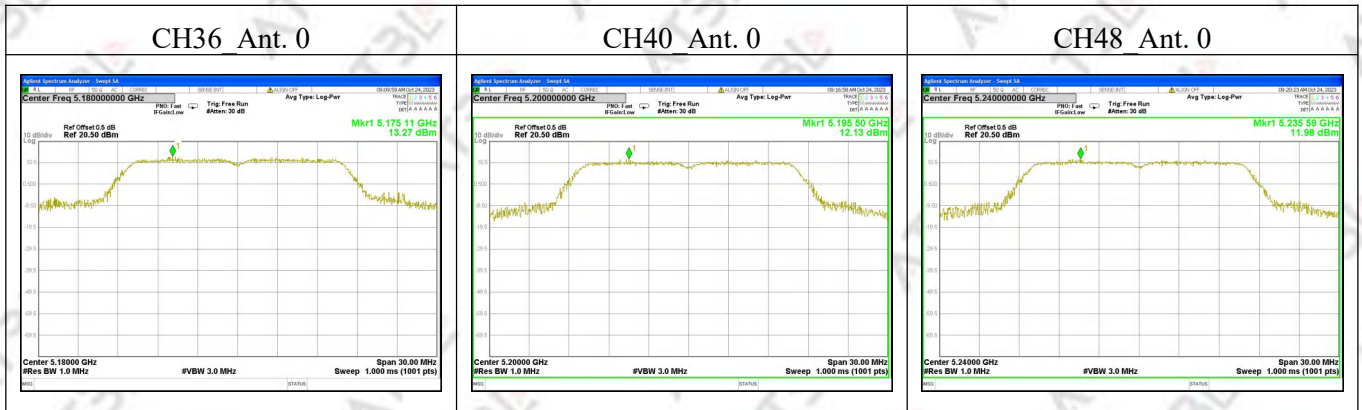
CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Duty Factor (dB)	PSD Reading (dBm/500KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
149	5745	0	3	0.07	-2.59	-2.52	30	PASS
157	5785	0	3	0.07	-3.34	-3.27	30	PASS
165	5825	0	3	0.07	-4.60	-4.53	30	PASS

802.11n40

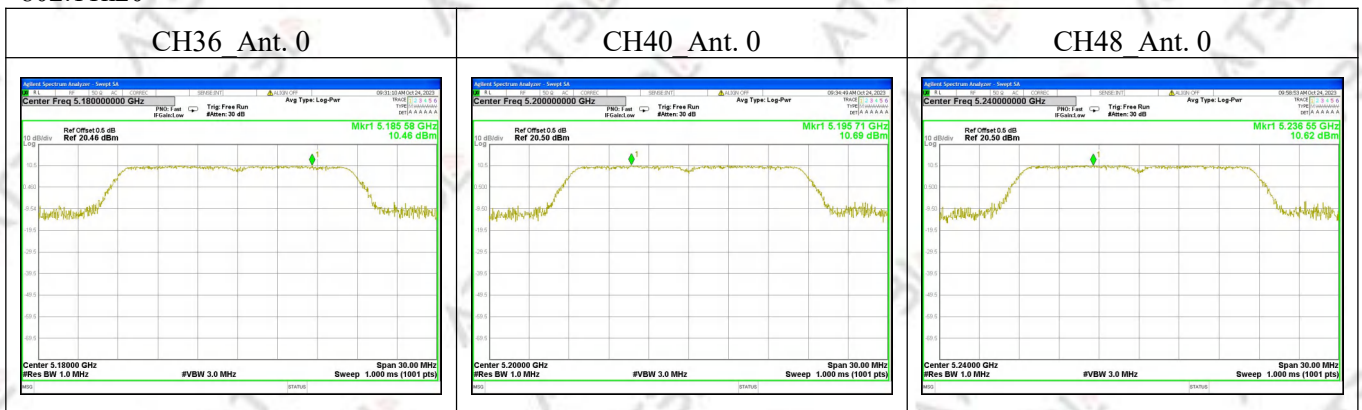
CH.	Freq. MHz	Ant. No.	Ant. Gain (dBi)	Duty Factor (dB)	PSD Reading (dBm/500KHz)	PSD (dBm/500KHz)	Limit (dBm/500KHz)	Result
151	5755	0	3	0.16	-5.08	-4.92	30	PASS
159	5795	0	3	0.16	-5.56	-5.4	30	PASS

5150MHz-5250MHz

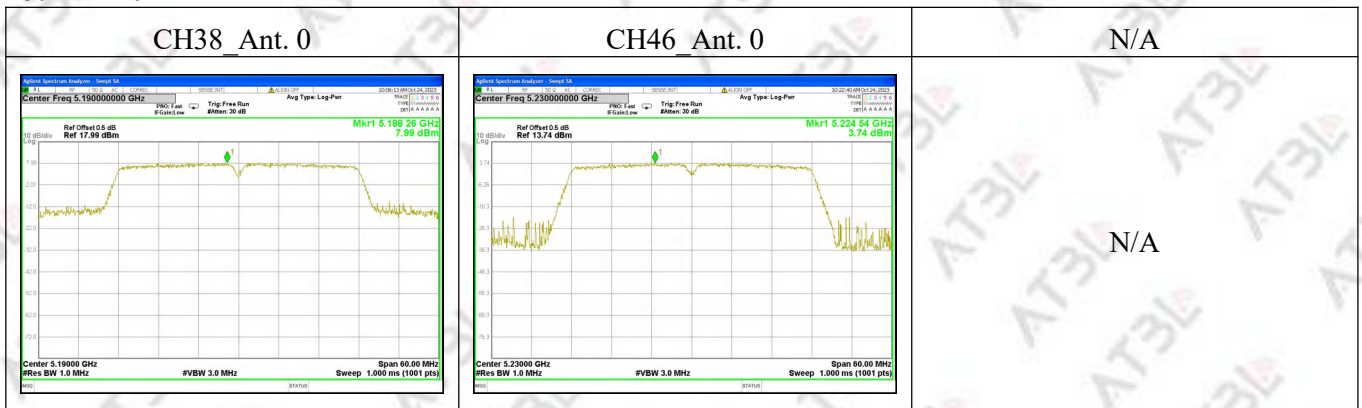
802.11a



802.11n20

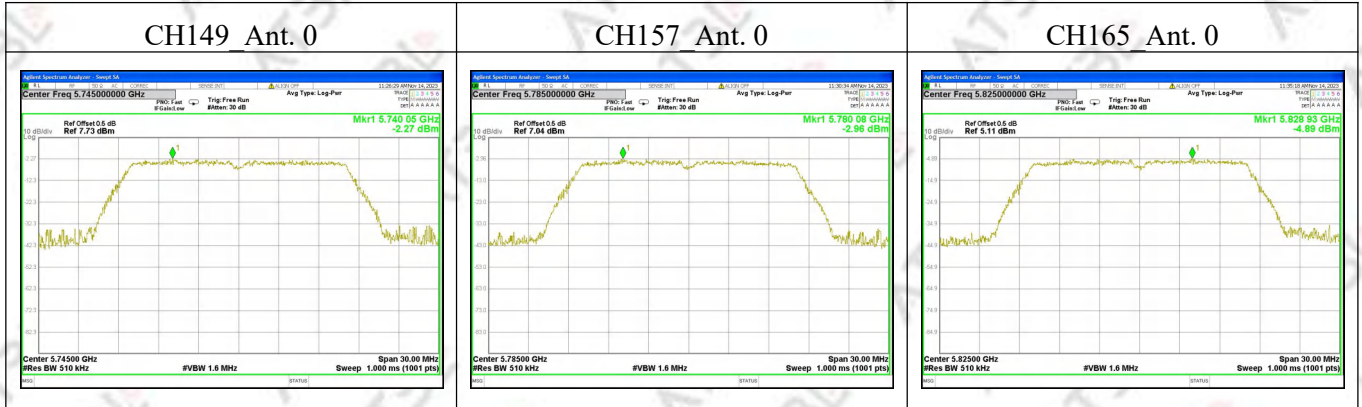


802.11n40

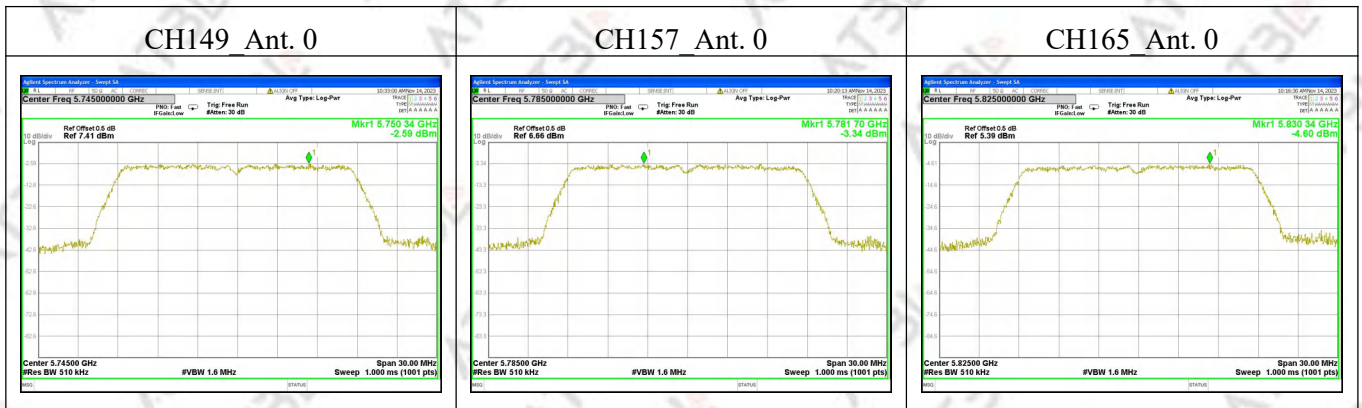


5725MHz-5850MHz

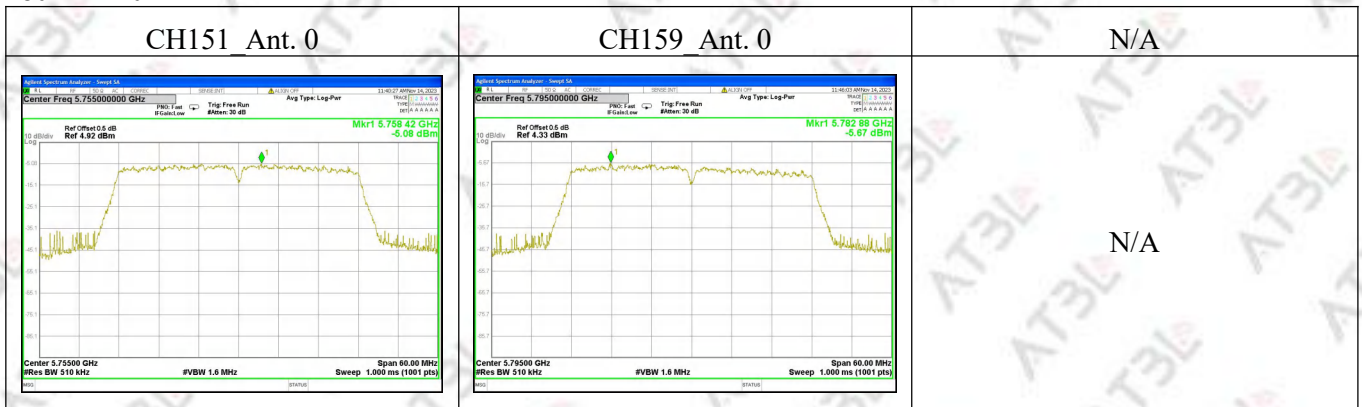
802.11a



802.11n20



802.11n40



5. BANDWIDTH MEASUREMENT

5.1. EMISSION BANDWIDTH (EBW) 26 BANDWIDTH

See list of measuring instruments of this test report.

5.1.1. TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW $\geq$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

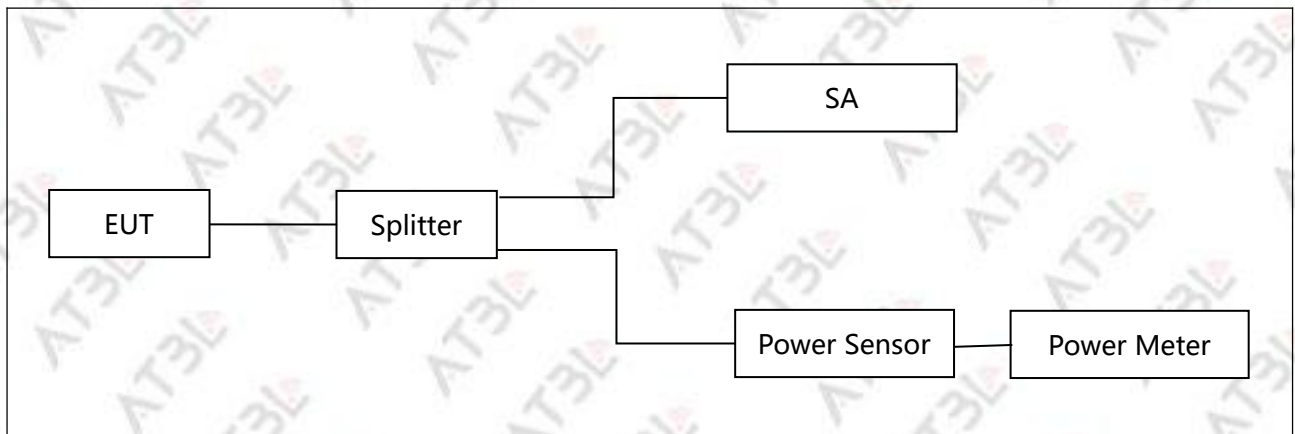
Note:

Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

5.1.2. DEVIATION FROM STANDARD

No deviation.

5.1.3. TEST SETUP



5.1.4. EUT OPERATION CONDITIONS

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

5.1.5. TEST RESULTS

5150MHz-5250MHz(26BW)

Condition	Mode	Frequency (MHz)	26BW (MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11a20	5180	30.00	5150-5250	Pass	Ant0
NVNT	11a20	5200	28.91	5150-5250	Pass	Ant0
NVNT	11a20	5240	29.06	5150-5250	Pass	Ant0

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n20	5180	29.85	5150-5250	Pass	Ant0
NVNT	11n20	5200	29.66	5150-5250	Pass	Ant0
NVNT	11n20	5240	29.62	5150-5250	Pass	Ant0

Condition	Mode	Frequency(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n40	5190	60.00	5150-5250	Pass	Ant0
NVNT	11n40	5230	40.50	5150-5250	Pass	Ant0

5725MHz-5850MHz(6BW&26BW)

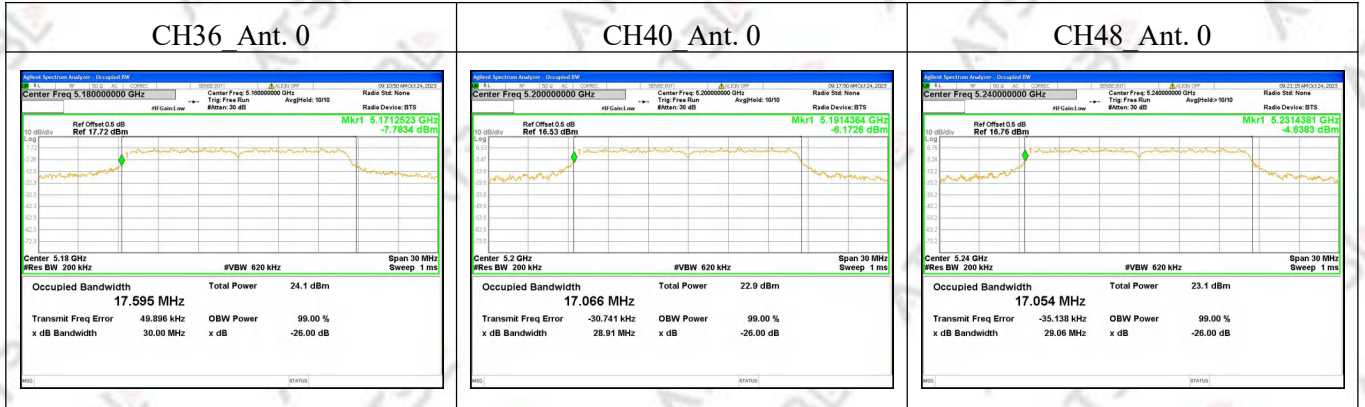
Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11a20	5745	16.41	20.34	5725-5895	Pass	Ant0
11a20	5785	16.41	20.19	5725-5895	Pass	Ant0
11a20	5825	16.41	20.07	5725-5895	Pass	Ant0

Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11n20	5745	17.73	20.61	5725-5895	Pass	Ant0
11n20	5785	17.67	20.58	5725-5895	Pass	Ant0
11n20	5825	17.70	20.49	5725-5895	Pass	Ant0

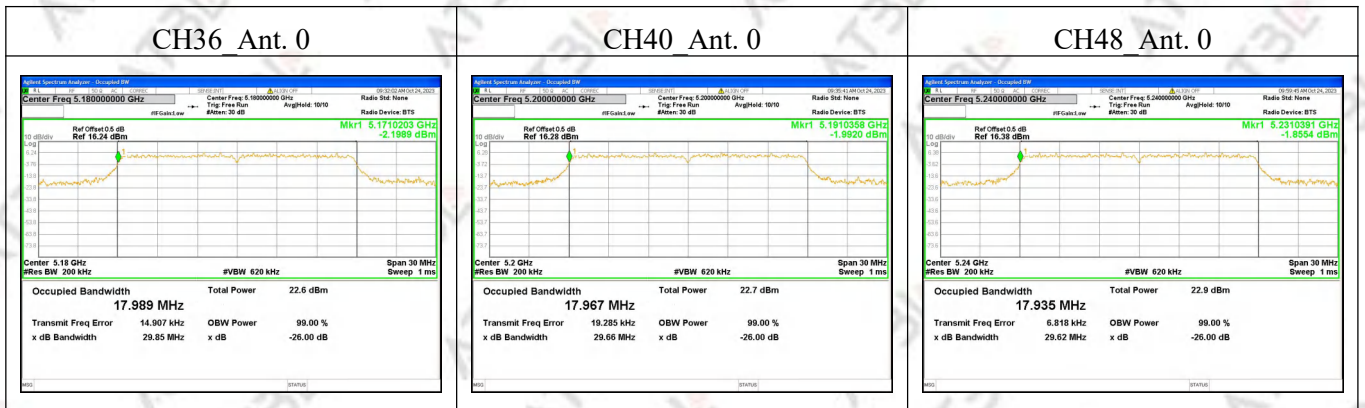
Mode	Frequency(MHz)	6BW(MHz)	26BW(MHz)	Frequency Range(MHz)	Result	Remark
11n40	5755	35.82	20.62	5725-5895	Pass	Ant0
11n40	5795	35.82	40.44	5725-5895	Pass	Ant0

5180MHz-5250MHz(26BW)

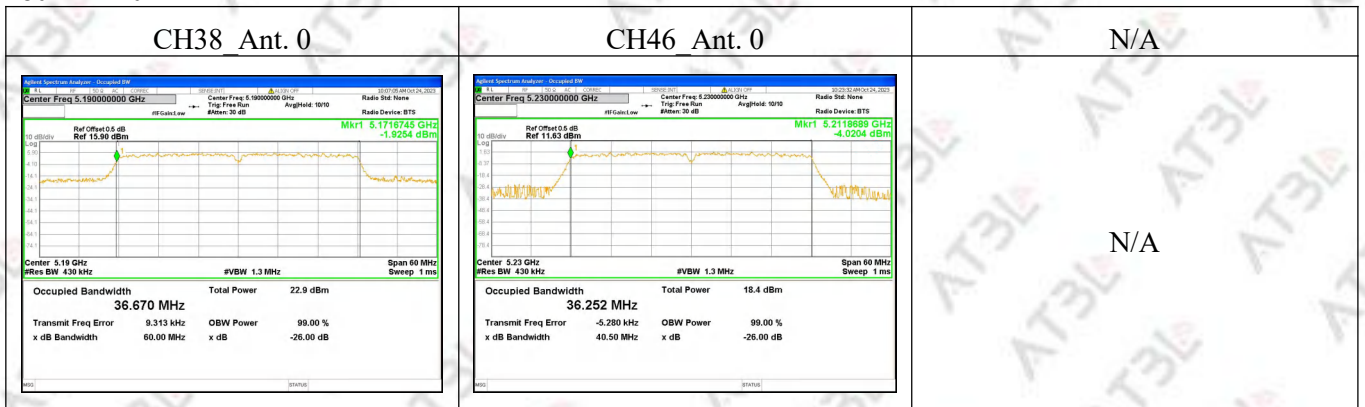
802.11a



802.11n20



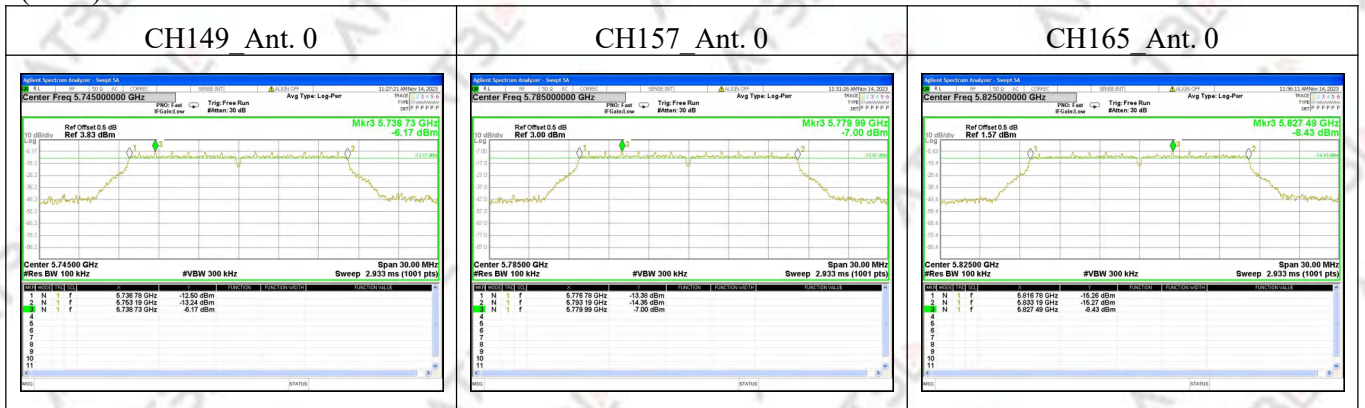
802.11n40



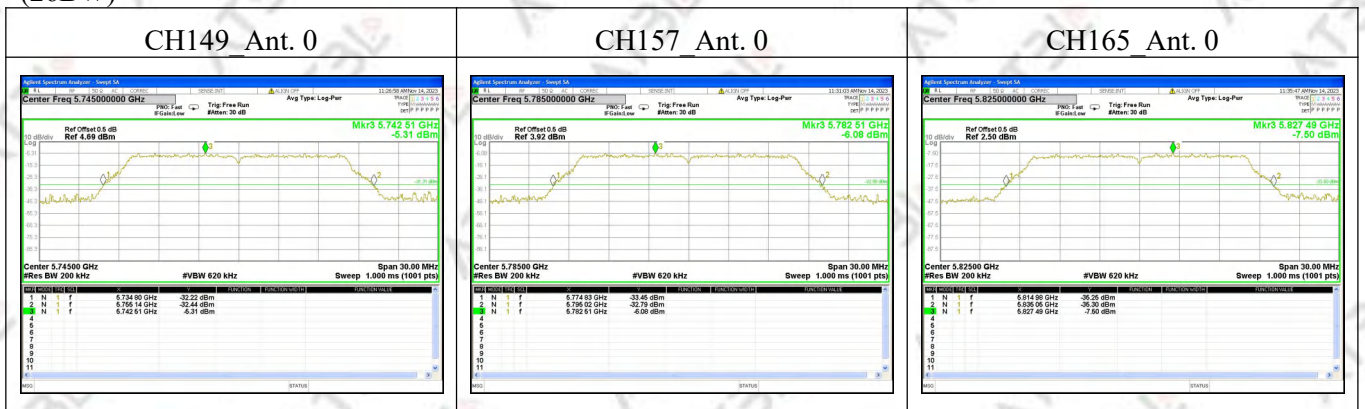
5725MHz-5850MHz(6BW&26BW)

802.11a

(6BW)

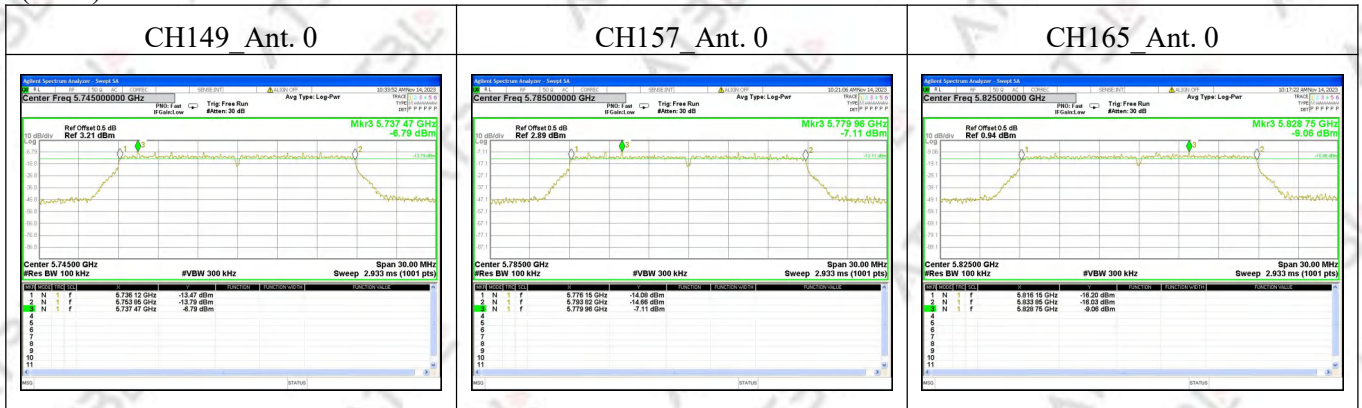


(26BW)

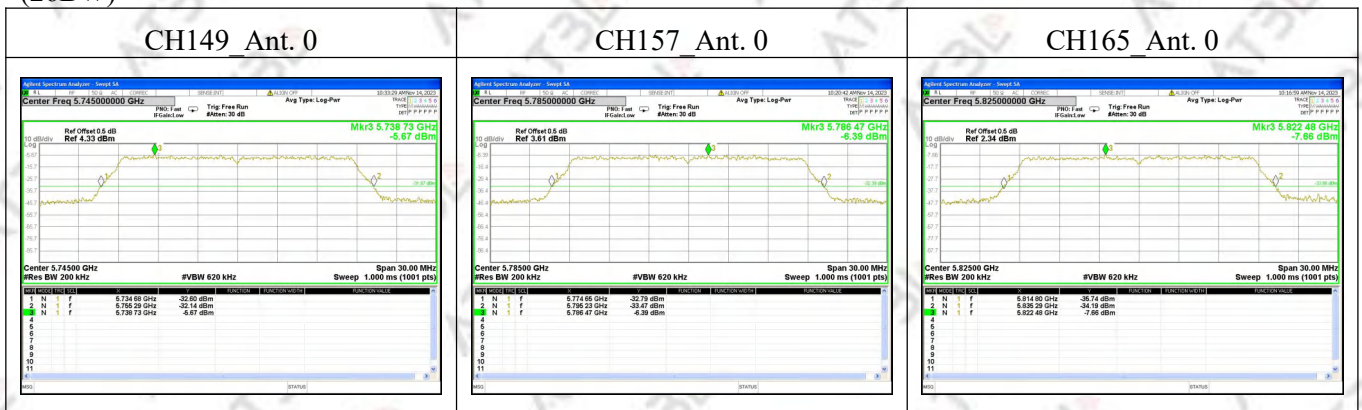


802.11n20

(6BW)

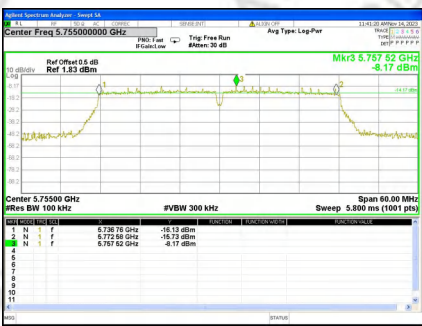
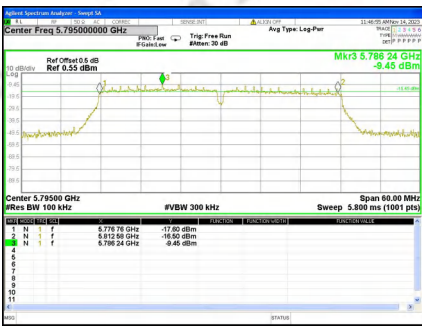


(26BW)

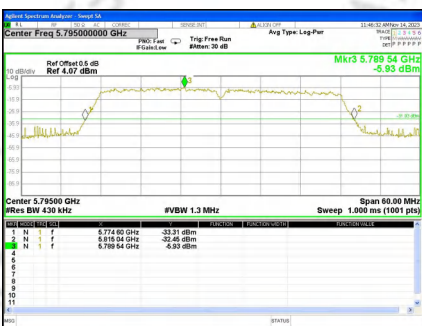


802.11n40

(6BW)

CH151 Ant. 0	CH159 Ant. 0	N/A																								
 Center Freq 5.755000000 GHz Ref Offset 0.5 dB Mkr3 5.75732 GHz -8.17 dBm Center 5.75500 GHz IFBW 300 kHz Span 60.00 MHz IFBW 100 kHz Sweep 5.800 ms (1001 pts) <table border="1"> <thead> <tr> <th>Ch</th> <th>Freq</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.72678 GHz</td> <td>-15.13 dBm</td> </tr> <tr> <td>2</td> <td>5.72758 GHz</td> <td>-15.73 dBm</td> </tr> <tr> <td>3</td> <td>5.73776 GHz</td> <td>-8.17 dBm</td> </tr> </tbody> </table>	Ch	Freq	Level	1	5.72678 GHz	-15.13 dBm	2	5.72758 GHz	-15.73 dBm	3	5.73776 GHz	-8.17 dBm	 Center Freq 5.785000000 GHz Ref Offset 0.5 dB Mkr3 5.78524 GHz -9.45 dBm Center 5.78500 GHz IFBW 300 kHz Span 60.00 MHz IFBW 100 kHz Sweep 5.800 ms (1001 pts) <table border="1"> <thead> <tr> <th>Ch</th> <th>Freq</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.77876 GHz</td> <td>-17.00 dBm</td> </tr> <tr> <td>2</td> <td>5.81256 GHz</td> <td>-16.00 dBm</td> </tr> <tr> <td>3</td> <td>5.78524 GHz</td> <td>-9.45 dBm</td> </tr> </tbody> </table>	Ch	Freq	Level	1	5.77876 GHz	-17.00 dBm	2	5.81256 GHz	-16.00 dBm	3	5.78524 GHz	-9.45 dBm	N/A
Ch	Freq	Level																								
1	5.72678 GHz	-15.13 dBm																								
2	5.72758 GHz	-15.73 dBm																								
3	5.73776 GHz	-8.17 dBm																								
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1	5.77876 GHz	-17.00 dBm																								
2	5.81256 GHz	-16.00 dBm																								
3	5.78524 GHz	-9.45 dBm																								

(26BW)

CH151 Ant. 0	CH159 Ant. 0	N/A																								
 Center Freq 5.755000000 GHz Ref Offset 0.5 dB Mkr3 5.74288 GHz -4.69 dBm Center 5.75500 GHz IFBW 1.3 MHz Span 60.00 MHz IFBW 430 kHz Sweep 1.000 ms (1001 pts) <table border="1"> <thead> <tr> <th>Ch</th> <th>Freq</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.73480 GHz</td> <td>-31.64 dBm</td> </tr> <tr> <td>2</td> <td>5.73520 GHz</td> <td>-31.68 dBm</td> </tr> <tr> <td>3</td> <td>5.74288 GHz</td> <td>-4.69 dBm</td> </tr> </tbody> </table>	Ch	Freq	Level	1	5.73480 GHz	-31.64 dBm	2	5.73520 GHz	-31.68 dBm	3	5.74288 GHz	-4.69 dBm	 Center Freq 5.795000000 GHz Ref Offset 0.5 dB Mkr3 5.78954 GHz -5.93 dBm Center 5.79500 GHz IFBW 1.3 MHz Span 60.00 MHz IFBW 430 kHz Sweep 1.000 ms (1001 pts) <table border="1"> <thead> <tr> <th>Ch</th> <th>Freq</th> <th>Level</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5.77480 GHz</td> <td>-33.31 dBm</td> </tr> <tr> <td>2</td> <td>5.81854 GHz</td> <td>-32.44 dBm</td> </tr> <tr> <td>3</td> <td>5.78954 GHz</td> <td>-5.93 dBm</td> </tr> </tbody> </table>	Ch	Freq	Level	1	5.77480 GHz	-33.31 dBm	2	5.81854 GHz	-32.44 dBm	3	5.78954 GHz	-5.93 dBm	N/A
Ch	Freq	Level																								
1	5.73480 GHz	-31.64 dBm																								
2	5.73520 GHz	-31.68 dBm																								
3	5.74288 GHz	-4.69 dBm																								
Ch	Freq	Level																								
1	5.77480 GHz	-33.31 dBm																								
2	5.81854 GHz	-32.44 dBm																								
3	5.78954 GHz	-5.93 dBm																								

5.2. OCCUPIED BANDWIDTH(99%)

The following procedure shall be used for measuring (99 %) power bandwidth:

5.2.1. TEST PROCEDURE

The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.

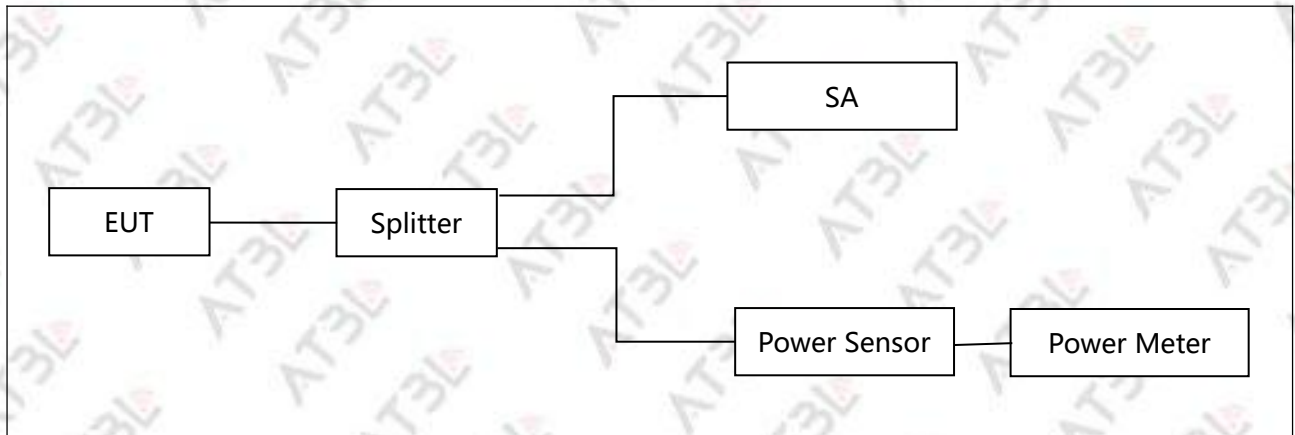
The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

5.2.2. DEVIATION FROM STANDARD

No deviation.

5.2.3. TEST SETUP



5.2.4. EUT OPERATION CONDITIONS

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

5.2.5. TEST RESULTS

5150MHz-5250MHz(OBW)

Condition	Mode	Frequency (MHz)	99%OBW (MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11a20	5180	17.595	5150-5250	Pass	Ant0
NVNT	11a20	5200	17.066	5150-5250	Pass	Ant0
NVNT	11a20	5240	17.054	5150-5250	Pass	Ant0

Condition	Mode	Frequency (MHz)	99%OBW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n20	5180	17.989	5150-5250	Pass	Ant0
NVNT	11n20	5200	17.967	5150-5250	Pass	Ant0
NVNT	11n20	5240	17.935	5150-5250	Pass	Ant0

Condition	Mode	Frequency (MHz)	99%OBW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n40	5190	36.670	5150-5250	Pass	Ant0
NVNT	11n40	5230	36.252	5150-5250	Pass	Ant0

5725MHz-5850MHz(OBW)

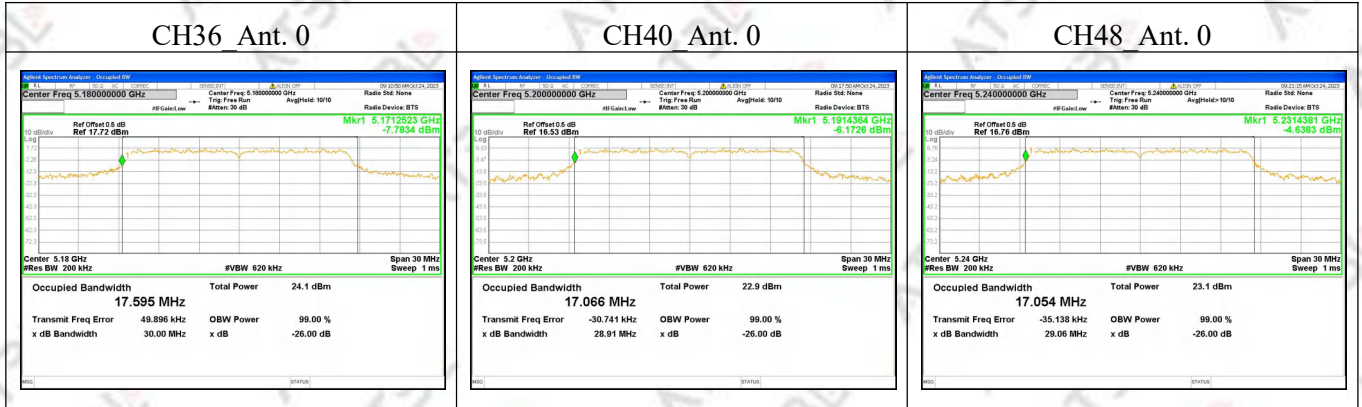
Condition	Mode	Frequency (MHz)	99%OBW (MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11a20	5745	16.735	5725-5850	Pass	Ant0
NVNT	11a20	5785	16.695	5725-5850	Pass	Ant0
NVNT	11a20	5825	16.716	5725-5850	Pass	Ant0

Condition	Mode	Frequency (MHz)	99%OBW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n20	5745	17.813	5725-5850	Pass	Ant0
NVNT	11n20	5785	17.761	5725-5850	Pass	Ant0
NVNT	11n20	5825	17.769	5725-5850	Pass	Ant0

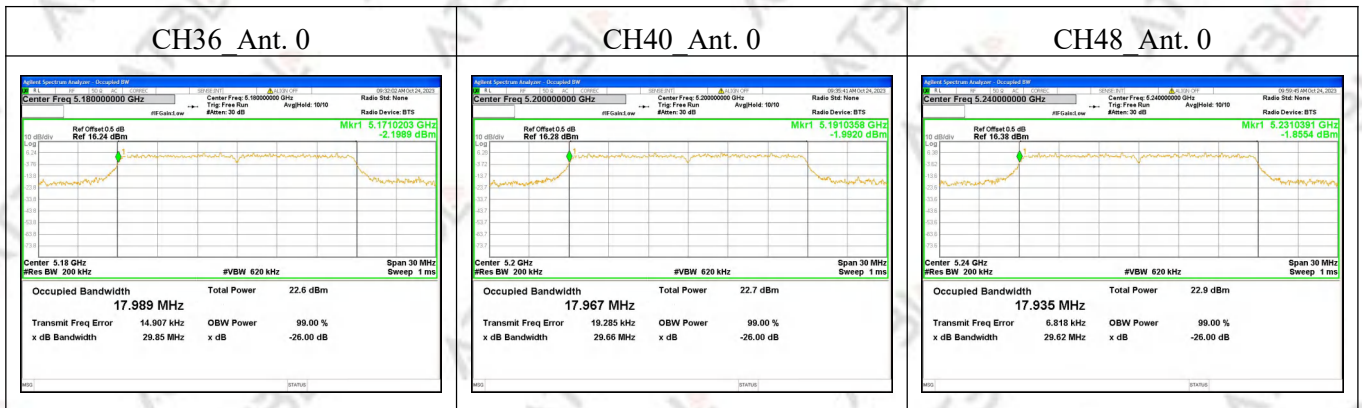
Condition	Mode	Frequency (MHz)	99%OBW(MHz)	Frequency Range(MHz)	Result	Remark
NVNT	11n40	5755	36.237	5725-5850	Pass	Ant0
NVNT	11n40	5795	36.232	5725-5850	Pass	Ant0

5150MHz-5250MHz

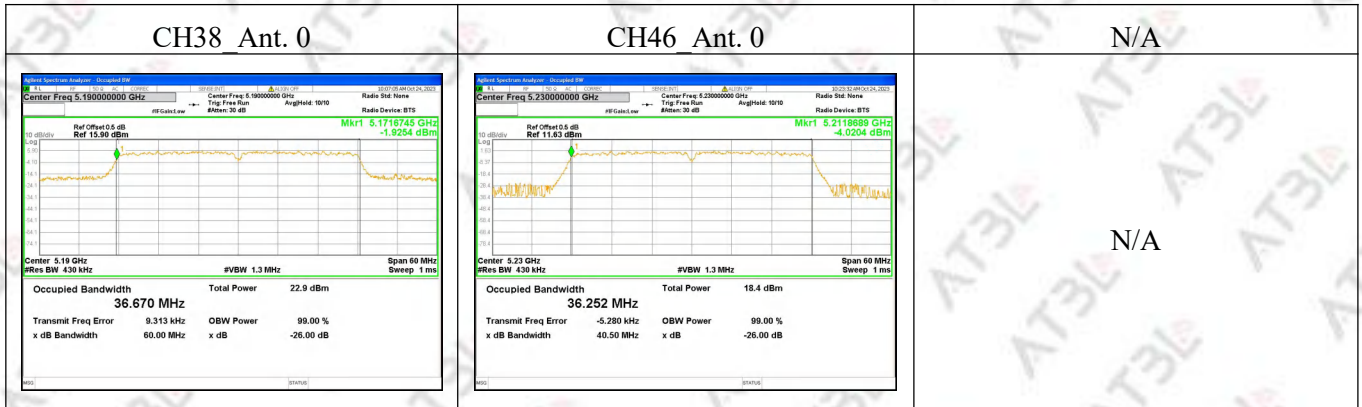
802.11a



802.11n20

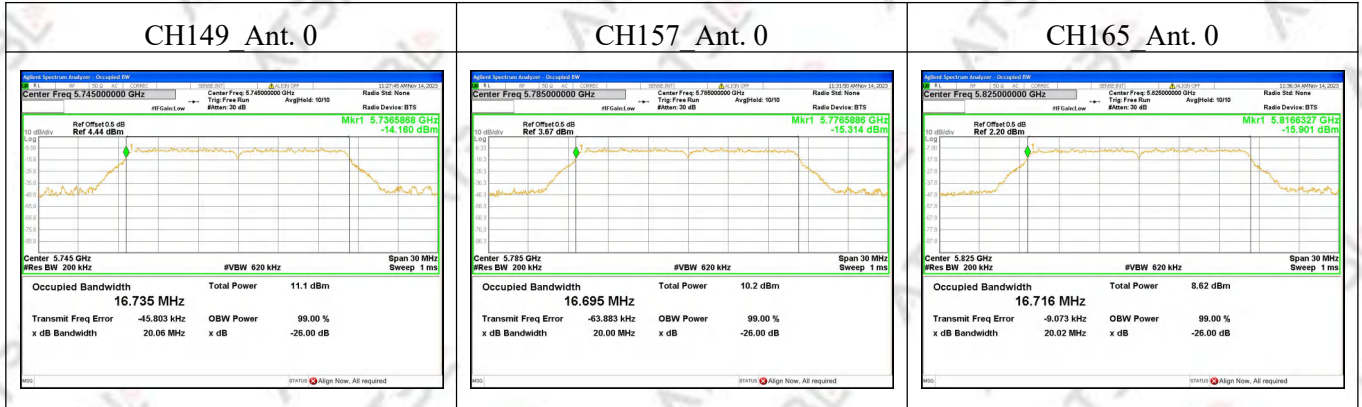


802.11n40

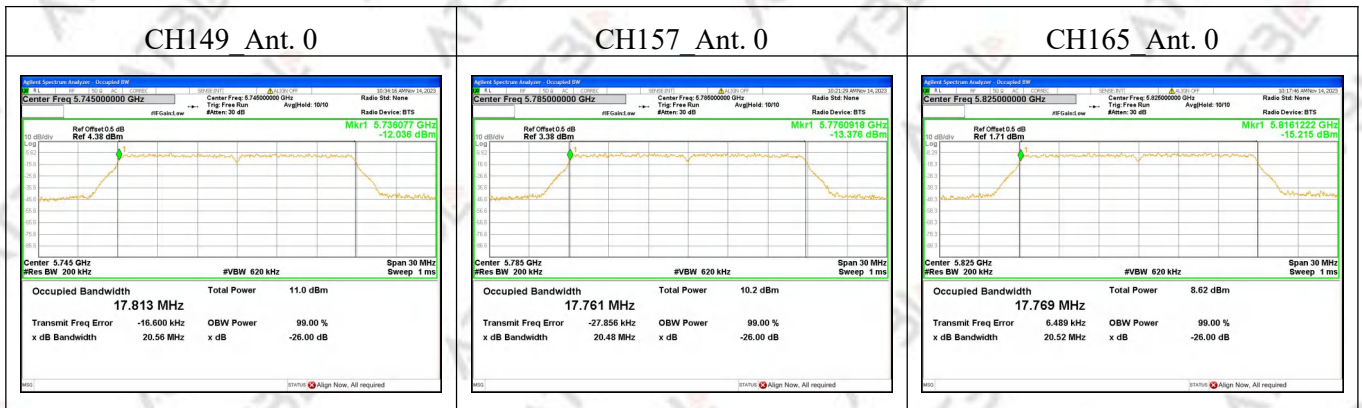


5725MHz-5850MHz

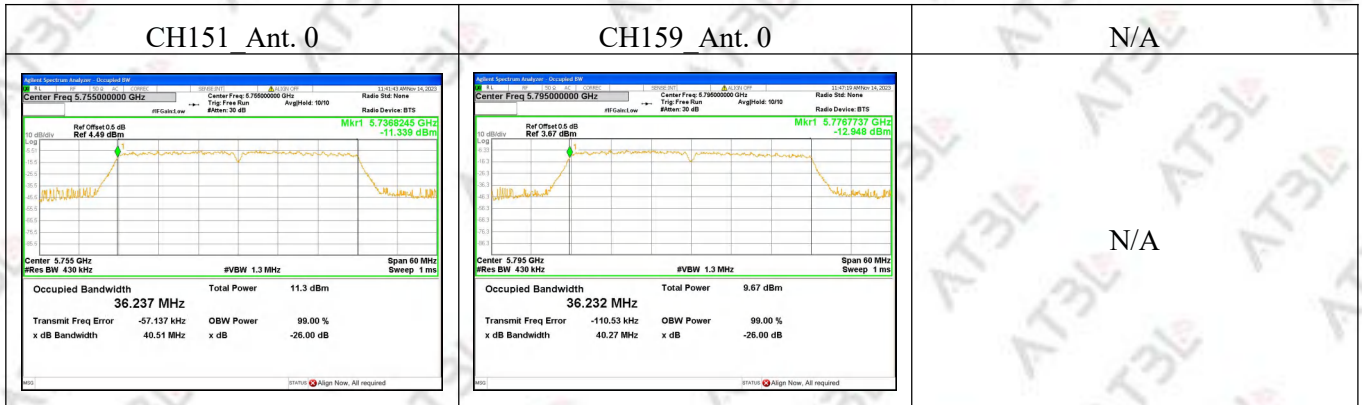
802.11a



802.11n20



802.11n40



6. MAXIMUM CONDUCTED OUTPUT POWER

6.1. LIMIT

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used.

FCC Part15 (15.407) , Subpart E				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.407(a)	Peak Output Power	23.98dBm	5150-5250	PASS
		23.98dBm	5250-5350	
		23.98dBm	5470-5725	
		30dBm	5725-5850	

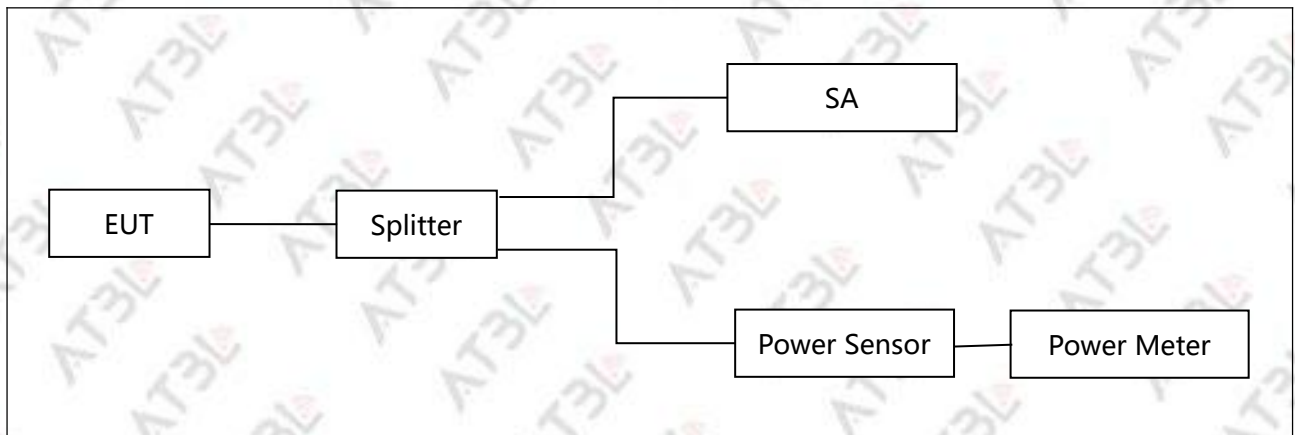
6.2. TEST PROCEDURE

The test was performed in accordance with method of article 12.3.3.1 Method PM from ANSI C63.10-2013 .

6.3. DEVIATION FROM STANDARD

No deviation.

6.4. TEST SETUP



6.5. EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

6.6. TEST RESULTS

5150MHz-5250MHz

802.11a

CH.	Freq. MHz	Ant. Gain (dBi)	Duty Factor (dB)	Power Reading (dBm)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Result
36	5180	3.00	0.22	15.35	16.07	19.07	23.98	PASS
40	5200	3.00	0.22	15.29	16.01	19.01	23.98	PASS
48	5240	3.00	0.22	15.45	16.17	19.17	23.98	PASS

802.11n20

CH.	Freq. MHz	Ant. Gain (dBi)	Duty Factor (dB)	Power Reading (dBm)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Result
36	5180	3.00	0.07	15.33	15.90	18.90	23.98	PASS
40	5200	3.00	0.07	15.43	16.00	19.00	23.98	PASS
48	5240	3.00	0.07	15.51	16.08	19.08	23.98	PASS

802.11n40

CH.	Freq. MHz	Ant. Gain (dBi)	Duty Factor (dB)	Power Reading (dBm)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Result
38	5190	3.00	0.16	15.59	16.25	19.25	23.98	PASS
46	5230	3.00	0.16	15.73	16.39	19.39	23.98	PASS

5725MHz-5850MHz

802.11a

CH.	Freq. MHz	Ant. Gain (dBi)	Duty Factor (dB)	Power Reading (dBm)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Result
149	5745	3.00	0.22	11.69	12.41	15.41	30	PASS
157	5785	3.00	0.22	11.39	12.11	15.11	30	PASS
165	5825	3.00	0.22	10.77	11.49	14.49	30	PASS

802.11n20

CH.	Freq. MHz	Ant. Gain (dBi)	Duty Factor (dB)	Power Reading (dBm)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Result
149	5745	3.00	0.07	11.75	12.32	15.32	30	PASS
157	5785	3.00	0.07	11.48	12.05	15.05	30	PASS
165	5825	3.00	0.07	10.79	11.36	14.36	30	PASS

802.11n40

CH.	Freq. MHz	Ant. Gain (dBi)	Duty Factor (dB)	Power Reading (dBm)	Conducted Power (dBm)	EIRP Power (dBm)	Limit (dBm)	Result
151	5755	3.00	0.16	11.97	12.63	15.63	30	PASS
159	5795	3.00	0.16	11.63	12.29	15.29	30	PASS

7. AUTOMATICALLY DISCONTINUE TRANSMISSION

7.1. LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

7.2. TEST RESULT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

8. ANTENNA REQUIREMENT

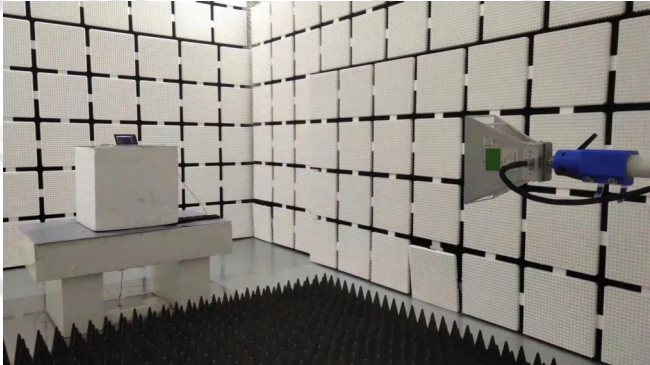
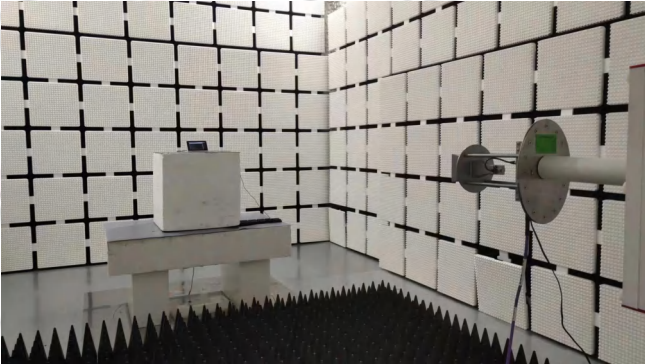
8.1. STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

8.2. EUT ANTENNA

The EUT antenna is External Antenna. It comply with the standard requirement.

APPENDIX- PHOTOS OF TEST SETUP

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

※※※※END OF THE REPORT※※※※