TEST REPORT

Applicant:	Blustream PTY LTD
Address of Applicant:	26 Lionel Rd, Mount Waverley, Melbourne, Victoria, 3149, Australia
Manufacturer/Factory:	Shen Zhen Proitav Technology Co.,Ltd
Address of Manufacturer/Factory:	Floor 3-4, Building 16, Hejing Industrial Zone, Fuyong Town, Baoan District, Shenzhen, China

Equipment Under Test (EUT)

Product Name:	4K60 BYOD Presentation Switcher
Model No.:	AMF41W
Trade Mark:	Blustream
FCC ID:	2AY2P-AMF41W
IC:	27021-AMF41W
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247 RSS-Gen Issue 5 RSS-247 Issue 2
Date of sample receipt:	February 01, 2021
Date of Test:	February 02, 2021-May 13, 2021
Date of report issued:	May 14, 2021
Test Result :	PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Robinson Luo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*May 14, 2021*	*Original*

Prepared By: ***Date:*** *May 14, 2021*

Project Engineer

Check By: ***Date:*** *May 14, 2021*

Reviewer

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4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203/15.247 (c) RSS-Gen Section 8.3	Pass
AC Power Line Conducted Emission	FCC part 15.207 RSS-Gen Section 8.8	Pass
Conducted Peak Output Power	FCC part 15.247 (b)(3) RSS-247 Section 5.4(d)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2) RSS-247 Section 5.2(a) & 6.7	Pass
Power Spectral Density	FCC part 15.247 (e) RSS-247 Section 5.2(b)	Pass
Band Edge	FCC part 15.247(d) RSS-247 Section 5.5	Pass
Spurious Emission	FCC part 15.205/15.209 RSS-Gen Section 3.3 & 8.9 & 8.10	Pass
Frequency stability	RSS-Gen Section 6.11& Section 8.11	Pass

Remark: Test according to ANSI C63.10:2013 and RSS-Gen

Pass: The EUT complies with the essential requirements in the standard.

Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz	3.9679dB	(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
Radiated Emission	18GHz-40GHz	3.30dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	3.44dB	(1)
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.			

5 General Information

5.1 General Description of EUT

Product Name:	4K60 BYOD Presentation Switcher
Model No.:	AMF41W
Serial No.:	BA020210719XXXX
Hardware version:	V0.3
Software version:	v2.4.7
Test sample(s) ID:	GTS202102000020-1
Sample(s) Status	Engineer sample
Operation Frequency:	802.11n(HT20): 2412MHz~2462MHz
Channel numbers:	802.11n(HT20): 11
Channel separation:	5MHz
Modulation technology:	802.11n(HT20) : Orthogonal Frequency Division Multiplexing (OFDM)
Antenna Type:	Integral Antenna
Antenna gain:	ANT 1: 2dBi ANT 2: 2dBi
Power supply:	Adapter : Model: NBS24J120200D5 Input: AC 100-240V, 50/60Hz, 0.6A Output: DC 12.0V, 2.0A, 24.0W

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

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:

Test channel	Frequency (MHz)
	802.11n(HT20)
Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode

We have verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

Pre-scan all kind of data rate in lowest channel, and found the follow list which it was worst case.

Mode	802.11n(HT20)
Data rate	6.5Mbps

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
Lenovo	Notebook PC	E40-80	N/A

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.: 381383**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

● **IC —Registration No.: 9079A**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

● **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.7 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102
Tel: 0755-27798480
Fax: 0755-27798960

6 Test Instruments list

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 02 2020	July. 01 2025
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 25 2020	June. 24 2021
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 25 2020	June. 24 2021
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 25 2020	June. 24 2021
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 25 2020	June. 24 2021
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 25 2020	June. 24 2021
9	Coaxial Cable	GTS	N/A	GTS211	June. 25 2020	June. 24 2021
10	Coaxial cable	GTS	N/A	GTS210	June. 25 2020	June. 24 2021
11	Coaxial Cable	GTS	N/A	GTS212	June. 25 2020	June. 24 2021
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 25 2020	June. 24 2021
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 25 2020	June. 24 2021
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 25 2020	June. 24 2021
15	Band filter	Amindeon	82346	GTS219	June. 25 2020	June. 24 2021
16	Power Meter	Anritsu	ML2495A	GTS540	June. 25 2020	June. 24 2021
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 25 2020	June. 24 2021
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 25 2020	June. 24 2021
19	Splitter	Agilent	11636B	GTS237	June. 25 2020	June. 24 2021
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 25 2020	June. 24 2021
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 18 2020	Oct. 17 2021
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 18 2020	Oct. 17 2021
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 18 2020	Oct. 17 2021
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 25 2020	June. 24 2021

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.15 2019	May.14 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 25 2020	June. 24 2021
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 25 2020	June. 24 2021
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Thermo meter	KTJ	TA328	GTS233	June. 25 2020	June. 24 2021
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 25 2020	June. 24 2021
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	June. 25 2020	June. 24 2021

RF Conducted Test:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Serial No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 25 2020	June. 24 2021
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 25 2020	June. 24 2021
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 25 2020	June. 24 2021
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 25 2020	June. 24 2021
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 25 2020	June. 24 2021
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 25 2020	June. 24 2021
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 25 2020	June. 24 2021

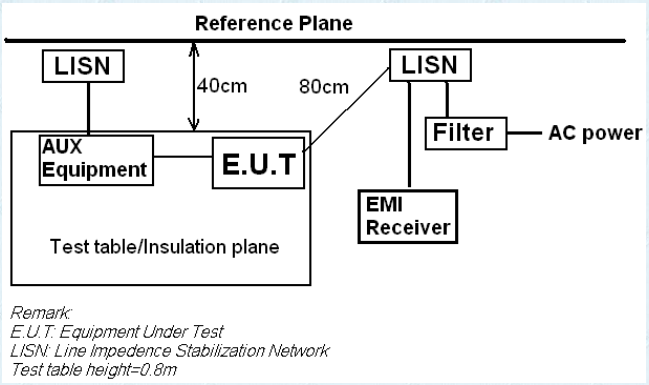
General used equipment:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 25 2020	June. 24 2021
2	Barometer	ChangChun	DYM3	GTS255	June. 25 2020	June. 24 2021

7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)
15.203 requirement: 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. **15.247(c) (1)(i) requirement:** (i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.	
Standard requirement:	RSS-Gen Section 8.3
A transmitter can only be sold or operated with antennas with which it was approved. When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on measurement or on data from the antenna manufacturer. For transmitters of RF output power of 10 milliwatts or less, only the portion of the antenna gain that is in excess of 6 dBi (6 dB above isotropic gain) shall be added to the measured RF output power to demonstrate compliance with the radiated power limits specified in the applicable standard. For transmitters of output power greater than 10 milliwatts, the total antenna gain shall be added to the measured RF output power to demonstrate compliance to the specified radiated power	
EUT Antenna:	
The antenna is Integral antenna, the best case gain of the antenna is 2dBi, reference to the appendix II for details	

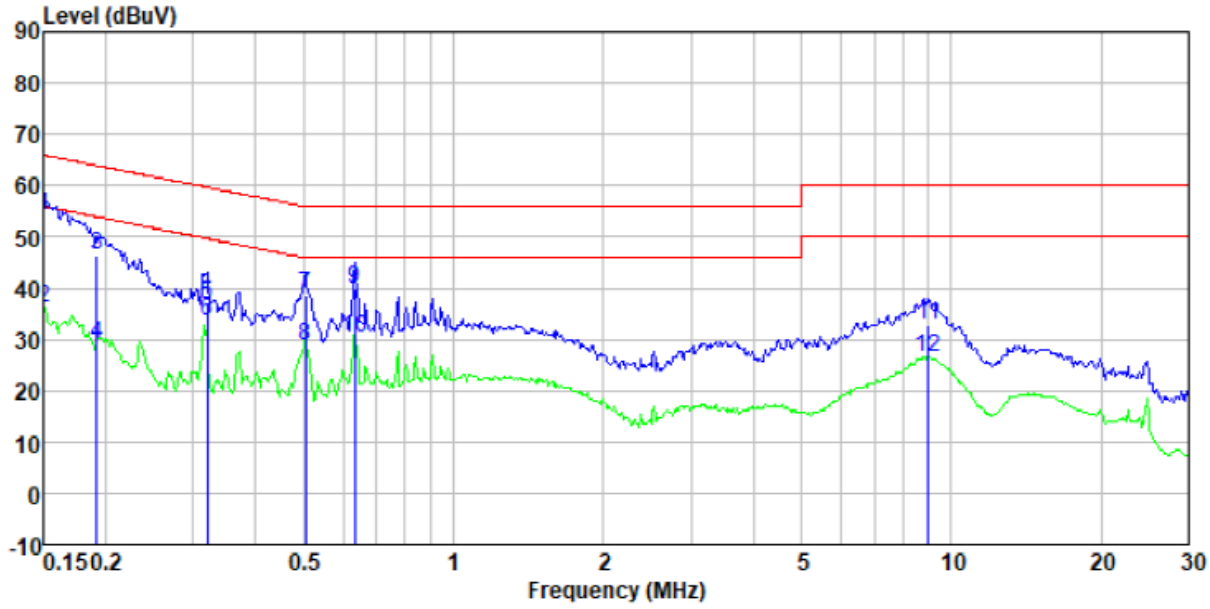
7.2 Conducted Emissions

<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part15 C Section 15.207
RSS-Gen Section 8.8</td></tr>
<tr><td>Test Method:</td><td colspan="5">ANSI C63.10:2013</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">150KHz to 30MHz</td></tr>
<tr><td>Receiver setup:</td><td colspan="5">RBW=9KHz, VBW=30KHz, Sweep time=auto</td></tr>
<tr><td>Limit:</td><td colspan="5">
<table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>
* Decreases with the logarithm of the frequency.
</td></tr>
<tr><td>Test setup:</td><td colspan="5"> 

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test procedure:</td><td colspan="5">1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.
2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).
3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.</td></tr>
<tr><td>Test Instruments:</td><td colspan="5">Refer to section 6.0 for details</td></tr>
<tr><td>Test mode:</td><td colspan="5">Refer to section 5.2 for details</td></tr>
<tr><td>Test environment:</td><td>Temp.:</td><td>25 °C</td><td>Humid.:</td><td>52%</td><td>Press.:</td><td>1012mbar</td></tr>
<tr><td>Test voltage:</td><td colspan="5">AC 120V, 60Hz</td></tr>
<tr><td>Test results:</td><td colspan="5">Pass</td></tr>
</table>

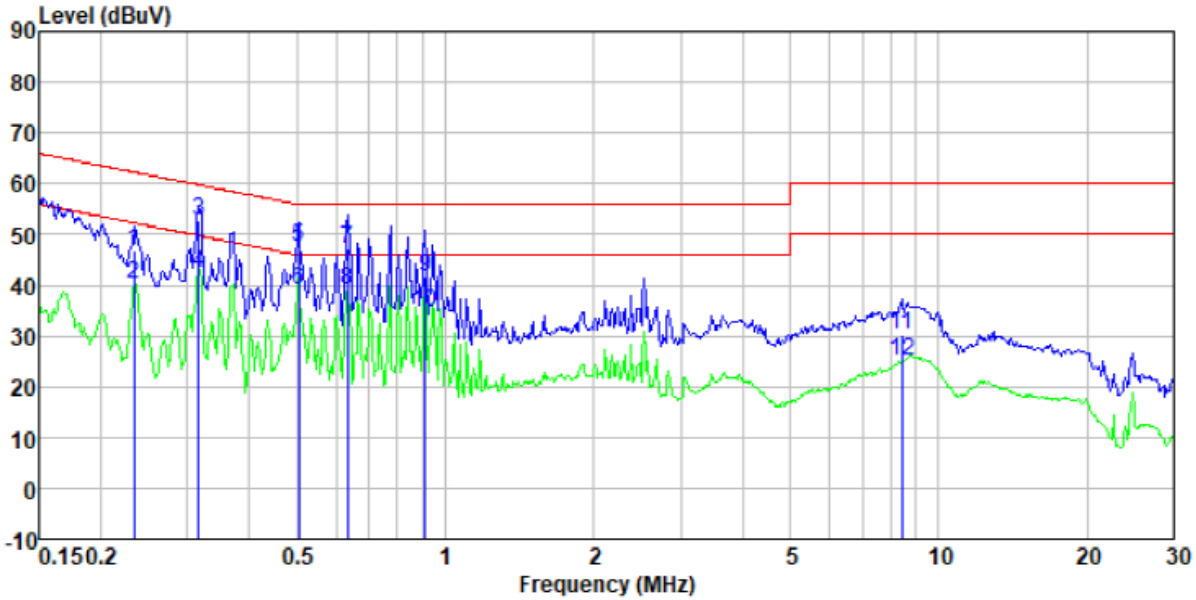
Remark: Both high and low voltages have been tested to show only the worst low voltage test data.

Measurement data
Line:



Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.15	33.79	20.40	0.07	54.26	66.00	-11.74	QP
0.15	15.65	20.40	0.07	36.12	56.00	-19.88	Average
0.19	25.78	20.40	0.11	46.29	63.93	-17.64	QP
0.19	8.60	20.40	0.11	29.11	53.93	-24.82	Average
0.32	16.49	20.39	0.10	36.98	59.71	-22.73	QP
0.32	12.90	20.39	0.10	33.39	49.71	-16.32	Average
0.50	18.30	20.31	0.11	38.72	56.00	-17.28	QP
0.50	8.25	20.31	0.11	28.67	46.00	-17.33	Average
0.63	19.35	20.28	0.12	39.75	56.00	-16.25	QP
0.63	9.93	20.28	0.12	30.33	46.00	-15.67	Average
9.01	12.41	20.20	0.20	32.81	60.00	-27.19	QP
9.01	6.18	20.20	0.20	26.58	50.00	-23.42	Average

Neutral:

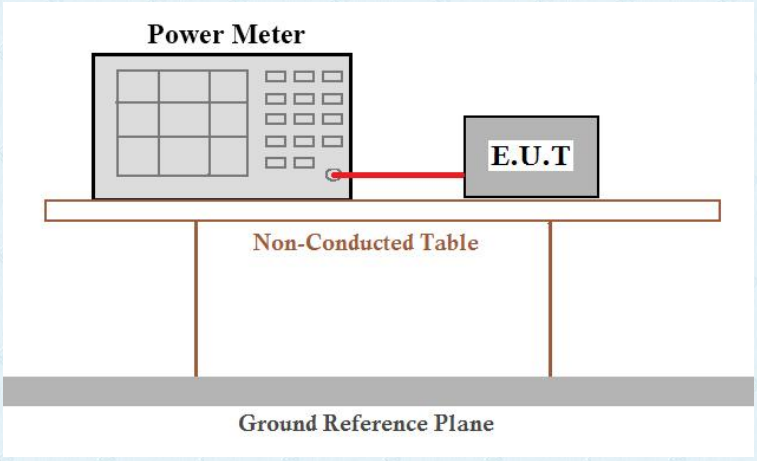


Freq MHz	Reading level dBuV	LISN/ISN factor dB/m	Cable loss dB	Level dBuV	Limit level dBuV	Over limit dB	Remark
0.23	26.30	20.40	0.11	46.81	62.30	-15.49	QP
0.23	19.76	20.40	0.11	40.27	52.30	-12.03	Average
0.32	32.26	20.39	0.10	52.75	59.80	-7.05	QP
0.32	22.05	20.39	0.10	42.54	49.80	-7.26	Average
0.50	27.27	20.31	0.11	47.69	56.00	-8.31	QP
0.50	18.50	20.31	0.11	38.92	46.00	-7.08	Average
0.63	26.76	20.28	0.12	47.16	56.00	-8.84	QP
0.63	18.58	20.28	0.12	38.98	46.00	-7.02	Average
0.91	21.25	20.22	0.14	41.61	56.00	-14.39	QP
0.91	14.14	20.22	0.14	34.50	46.00	-11.50	Average
8.41	9.71	20.20	0.19	30.10	60.00	-29.90	QP
8.41	4.60	20.20	0.19	24.99	50.00	-25.01	Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level =Receiver Read level + LISN Factor + Cable Loss
4. *If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.*

7.3 Conducted Peak Output Power

Test Requirement :	FCC Part15 C Section 15.247 (b)(3) RSS-247 Section 5.4(d)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 and RSS-Gen
Limit:	30dBm 36dBm(4W for e.i.r.p)
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

Test CH	Peak Output Power (dBm)		Limit(dBm)	Result
	802.11n(HT20)			
	ANT 1	ANT 2		
Lowest	16.36	13.83	30.00	Pass
Middle	16.62	14.03		
Highest	12.88	13.22		

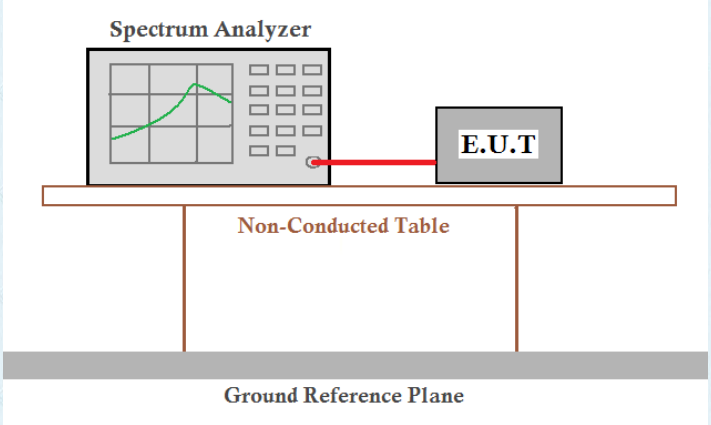
Test CH	e.i.r.p (dBm)		Limit(dBm)	Result
	802.11n(HT20)			
	ANT 1	ANT 2		
Lowest	18.36	15.83	36.00	Pass
Middle	18.62	16.03		
Highest	14.88	15.22		

MIM0:

Modulation	Test CH	Peak Output Power (dBm)		Sum Output Power (dBm)	Limit (dBm)	Result
802.11n(HT20)	Lowest	ANT 1	16.36	19.11	30	Pass
		ANT 2	15.83			
	Middle	ANT 1	16.62	19.25		
		ANT 2	15.83			
	Highest	ANT 1	12.88	17.61		
		ANT 2	15.83			

Note: transmit signals are completely un*correlated*,
Directional gain=10 x log [($10^{2/10}$ + $10^{2/10}$)/2]=2dBi

7.4 Channel Bandwidth & 99% Occupy Bandwidth

Test Requirement :	FCC Part15 C Section 15.247 (a)(2) RSS-Gen Section 6.7 & RSS-247 Section 5.2(a)
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 and RSS-Gen
Limit:	>500KHz
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

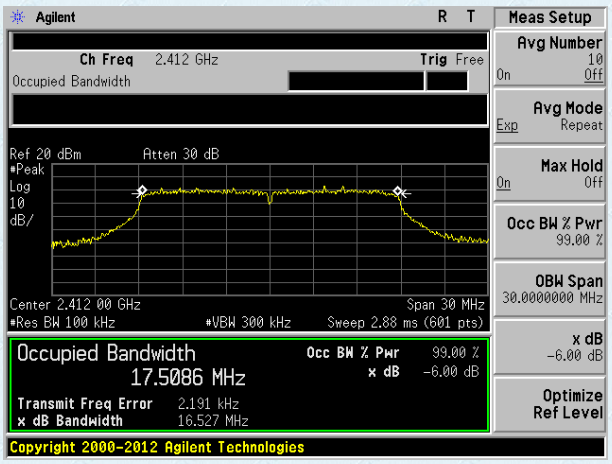
Test CH	Channel Bandwidth (MHz)		Limit(KHz)	Result
	802.11n(HT20)			
	ANT 1	ANT 2		
Lowest	16.527	16.423	>500	Pass
Middle	16.076	17.014		
Highest	15.933	16.671		

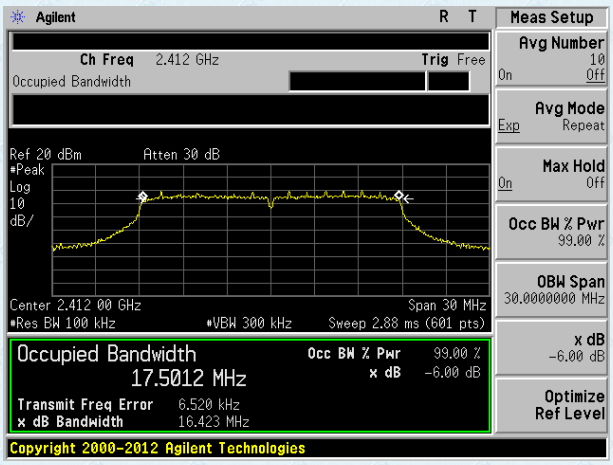
Test CH	99% Occupy Bandwidth (MHz)		Result
	802.11n(HT20)		
	ANT 1	ANT 2	
Lowest	17.5165	17.5107	Pass
Middle	17.5183	17.5159	
Highest	17.5330	17.5334	

Test plot as follows:

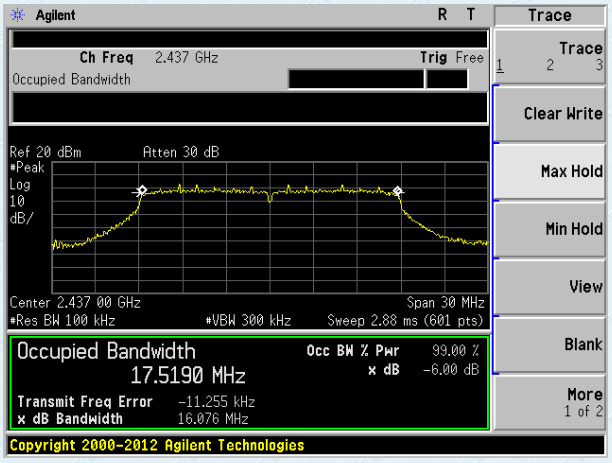
-6dB BW:

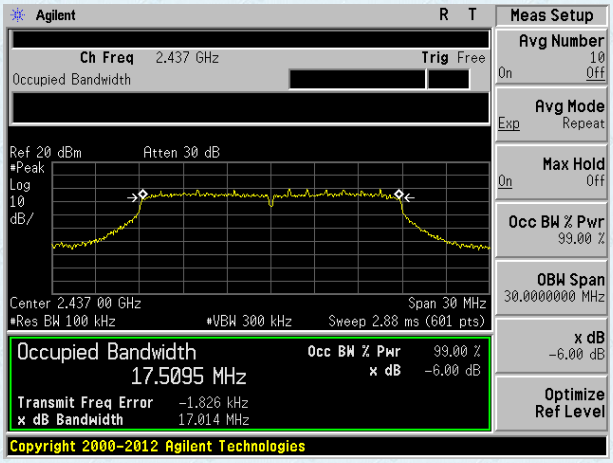
Test mode:802.11n(HT20)	
ANT 1	ANT 2



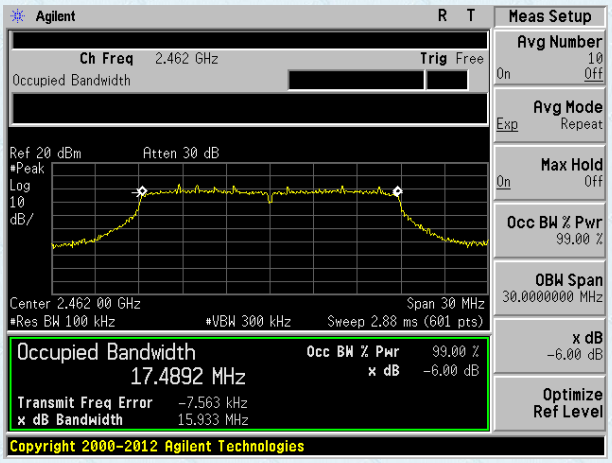


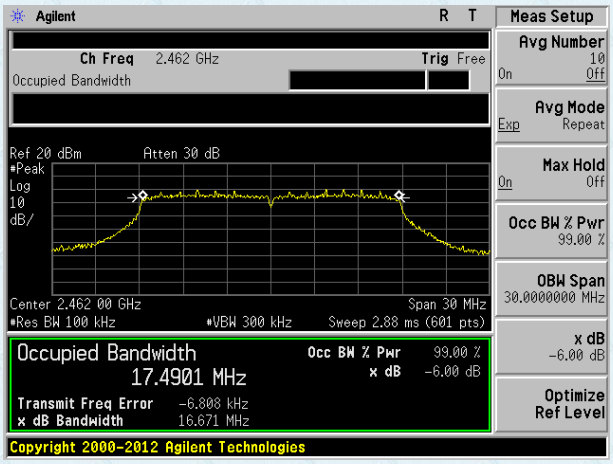
Lowest channel





Middle channel

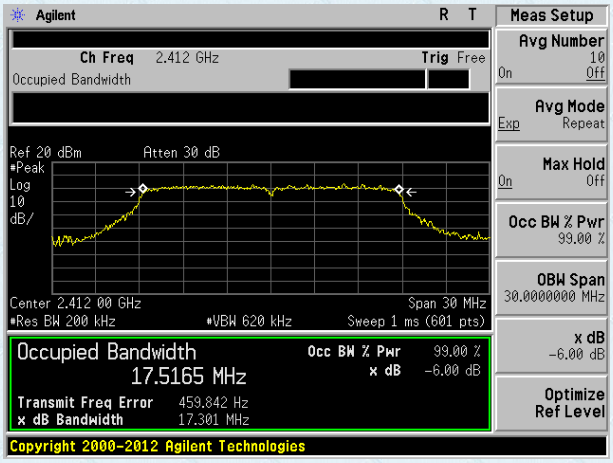


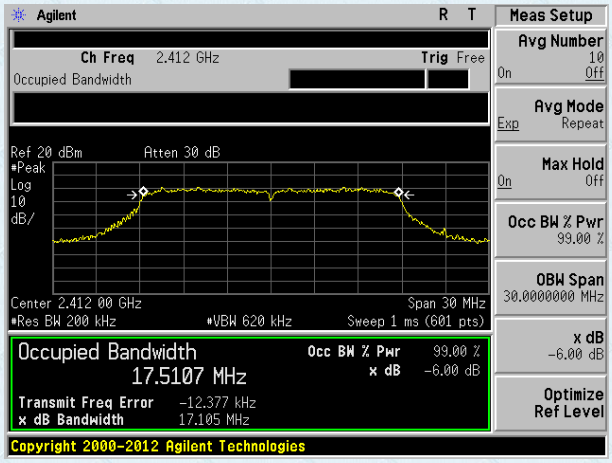


Highest channel

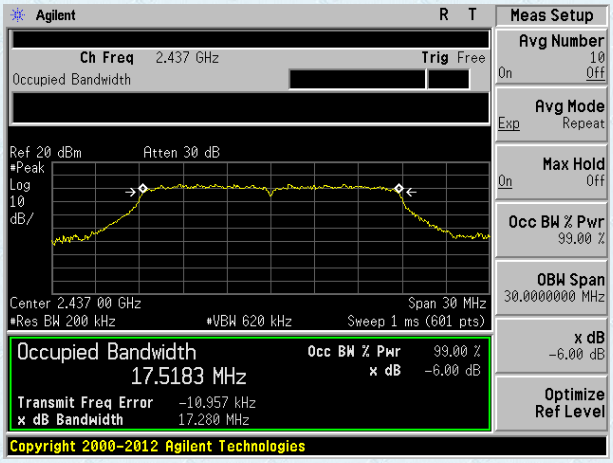
99% BW:

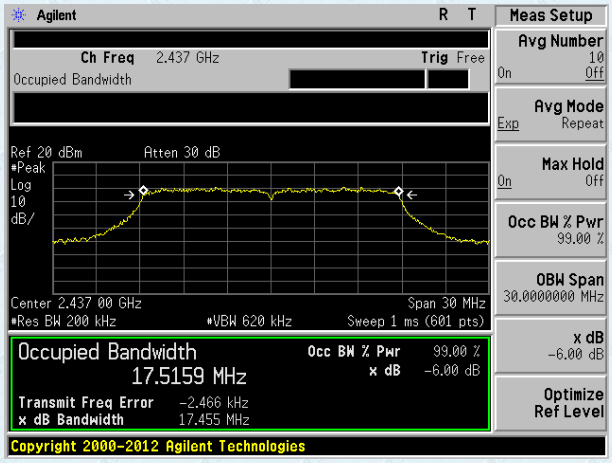
Test mode:802.11n(HT20)	
ANT 1	ANT 2



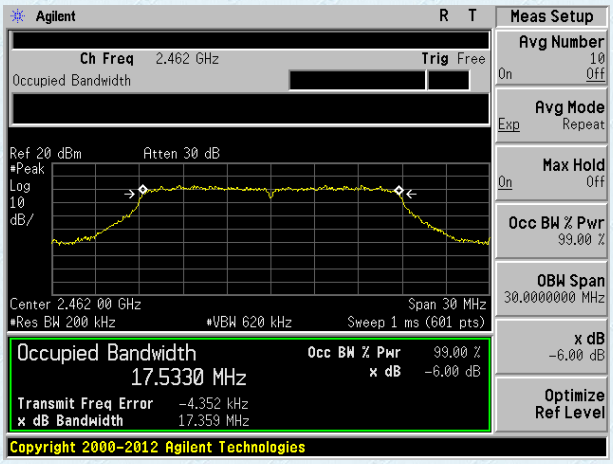


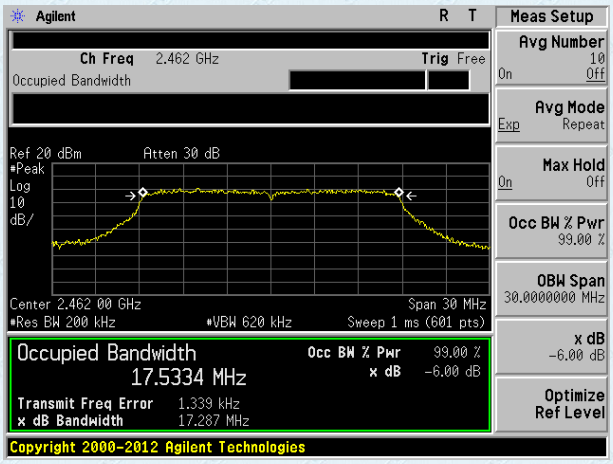
Lowest channel





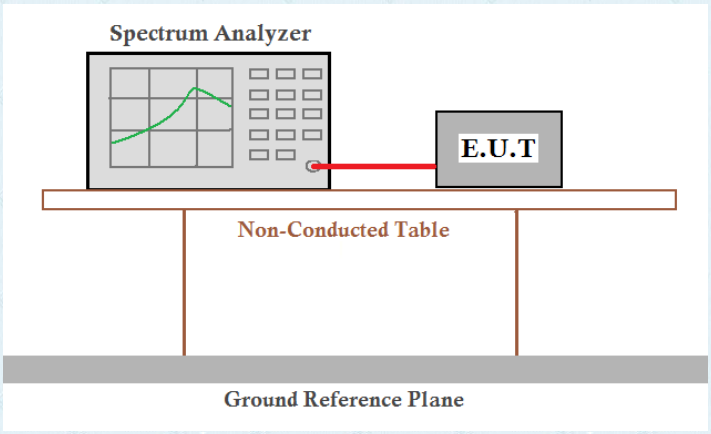
Middle channel





Highest channel

7.5 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e) RSS-247 Section 5.2(b)
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 and RSS-Gen
Limit:	8dBm/3kHz
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

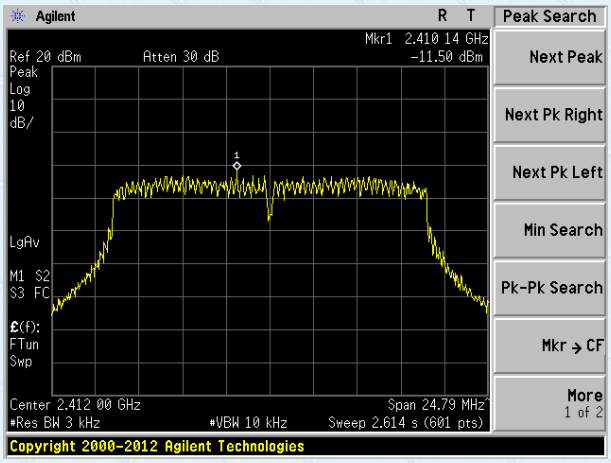
Test CH	Power Spectral Density (dBm/3kHz)		Limit (dBm/3kHz)	Result
	802.11n(HT20)			
	ANT 1	ANT 2		
Lowest	-11.50	-15.02	8.00	Pass
Middle	-12.81	-14.25		
Highest	-12.13	-15.03		

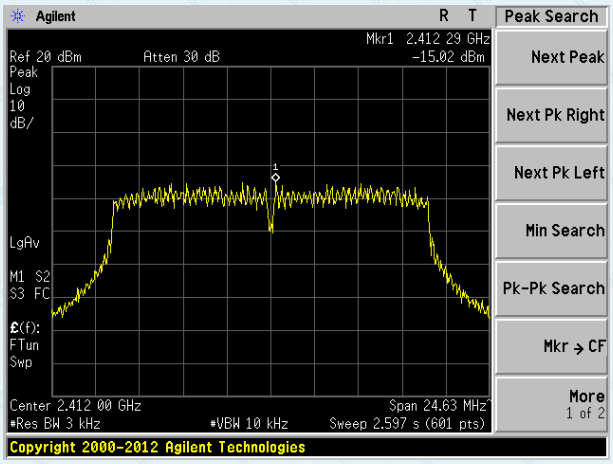
MIM0:

Modulation	Test CH	Power Spectral Density (dBm/3kHz)		Sum Output Power(dBm)	Limit (dBm/3kHz)	Result
802.11n(HT20)	Lowest	ANT 1	-11.50	-9.90	8	Pass
		ANT 2	-15.02			
	Middle	ANT 1	-12.81	-10.46		
		ANT 2	-14.25			
	Highest	ANT 1	-12.13	-10.33		
		ANT 2	-15.03			

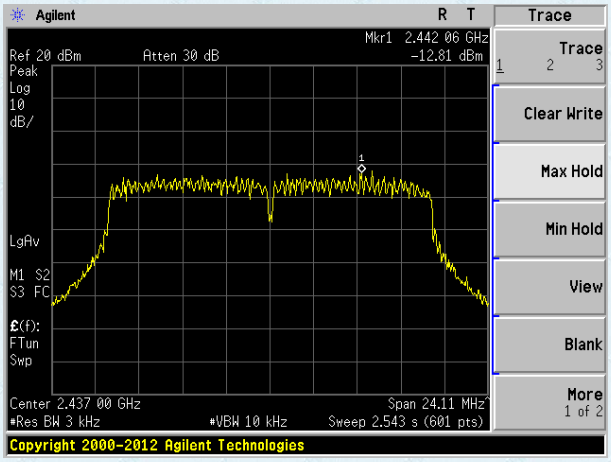
Test plot as follows:

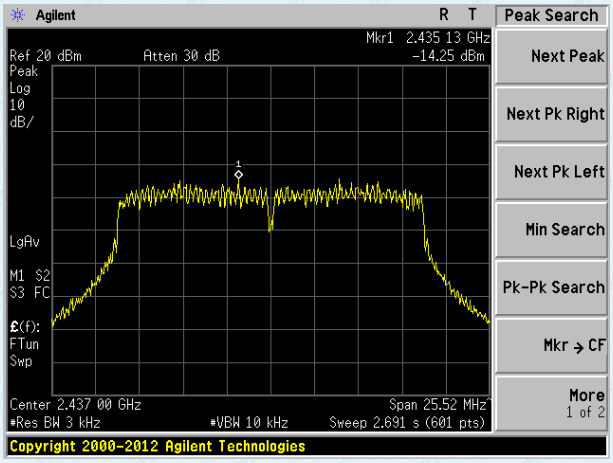
Test mode:802.11n(HT20)	
ANT 1	ANT 2



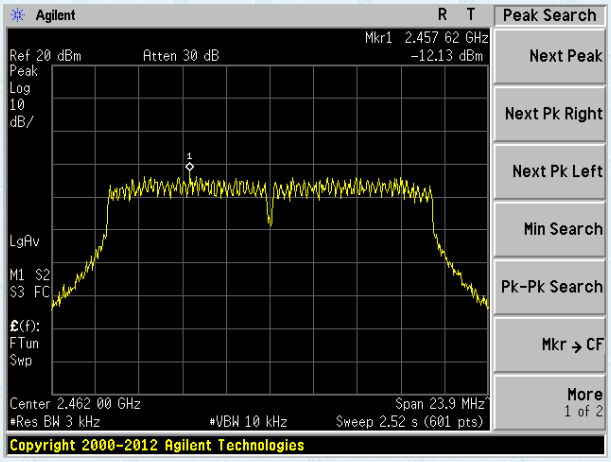


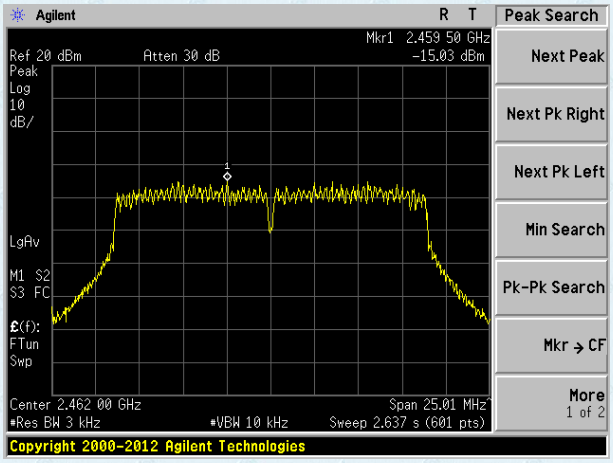
Lowest channel





Middle channel

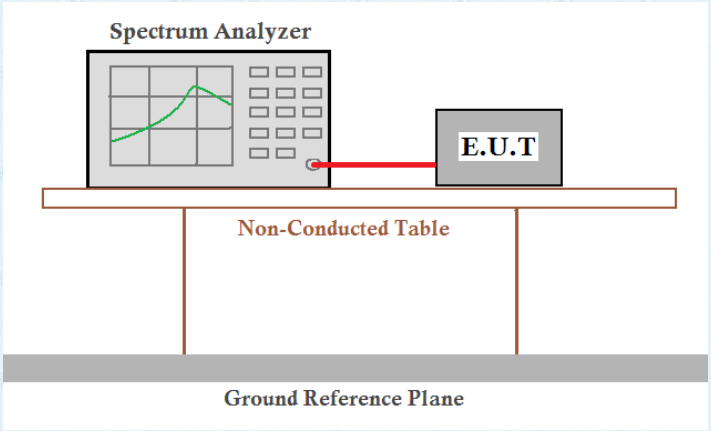




Highest channel

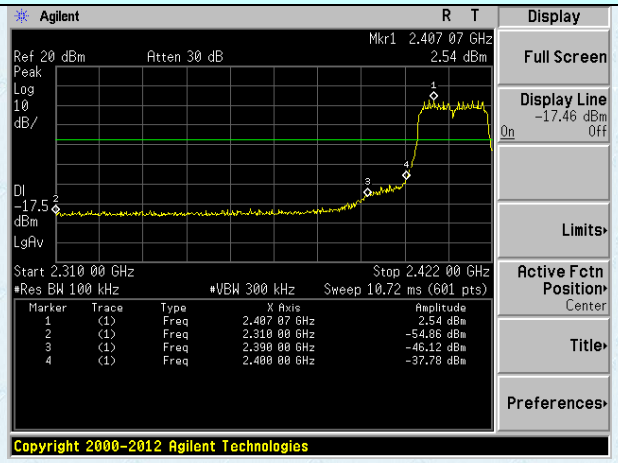
7.6 Band edges

7.6.1 Conducted Emission Method

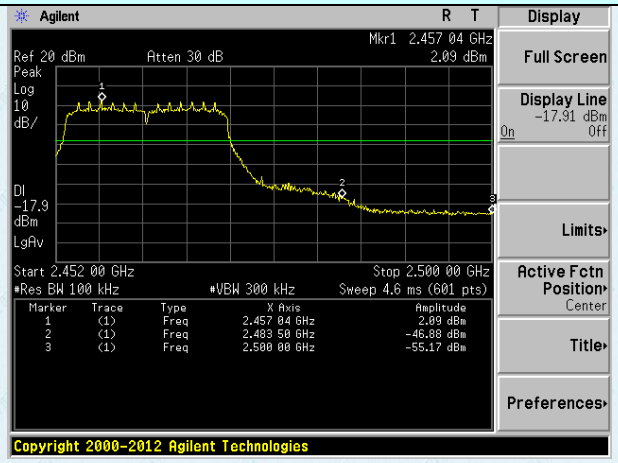
Test Requirement:	FCC Part15 C Section 15.247 (d) RSS-247 Section 5.5
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 & RSS-Gen
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Test plot as follows:

ANT 1	
Test mode:	802.11n(HT20)

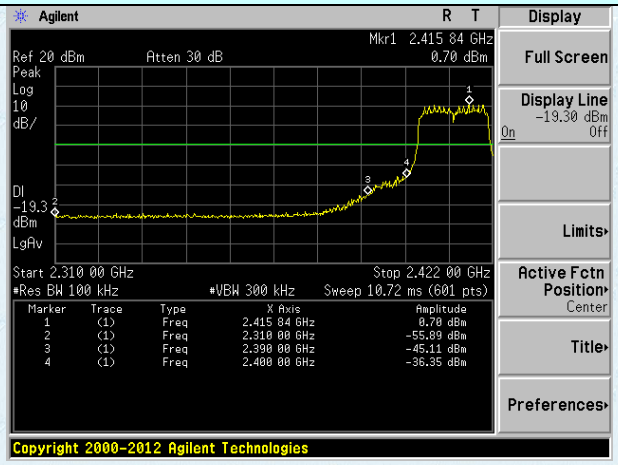


Lowest channel

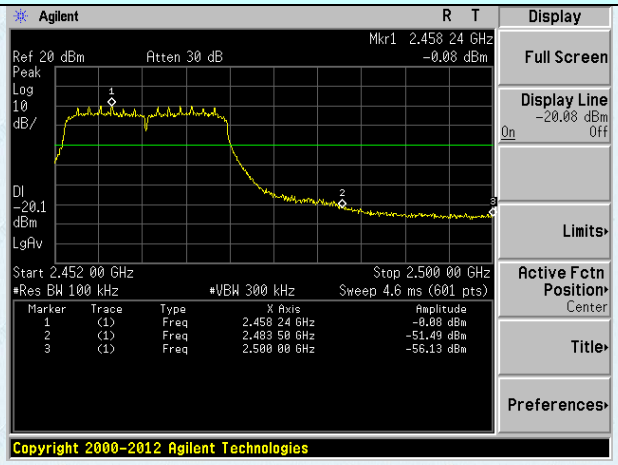


Highest channel

ANT 2	
Test mode:	802.11n(HT20)

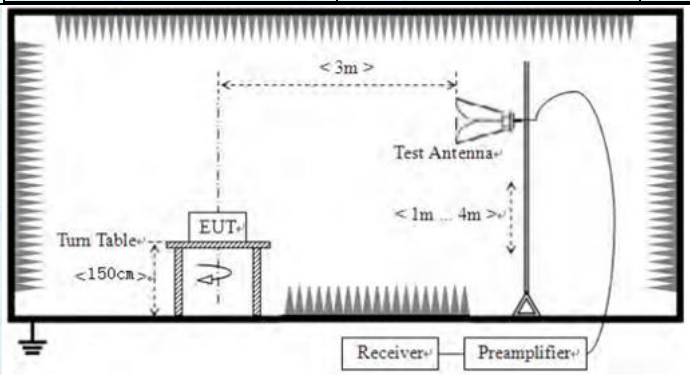


Lowest channel



Highest channel

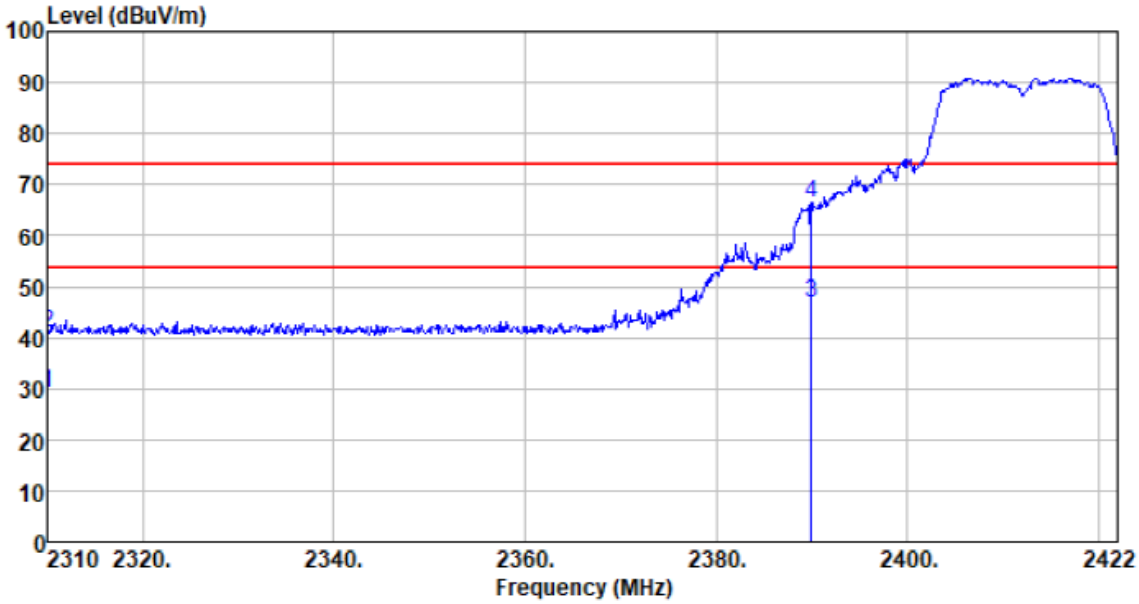
7.6.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209 and 15.205
RSS-247 3.3 & RSS-Gen Section 8.9</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10: 2013 & RSS-Gen</td></tr>
<tr><td>Test Frequency Range:</td><td>All of the restrict bands were tested, only the worst band's (2310MHz to 2500MHz) data was showed.</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr>
<tr><td>Average</td><td>1MHz</td><td>3MHz</td><td>Average</td></tr>
</table>
</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td>Frequency</td><td>Limit (dBuV/m @3m)</td><td>Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.00</td><td>Average</td></tr>
<tr><td>74.00</td><td>Peak</td></tr>
</table>
</td></tr>
<tr><td>Test setup:</td><td> 
</td></tr>
<tr><td>Test Procedure:</td><td>1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
7. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which it is worse case, only the test worst case mode is recorded in the report.</td></tr>
<tr><td>Test Instruments:</td><td>Refer to section 6.0 for details</td></tr>
<tr><td>Test mode:</td><td>Refer to section 5.2 for details</td></tr>
<tr><td>Test results:</td><td>Pass</td></tr>
</table>

Measurement data:

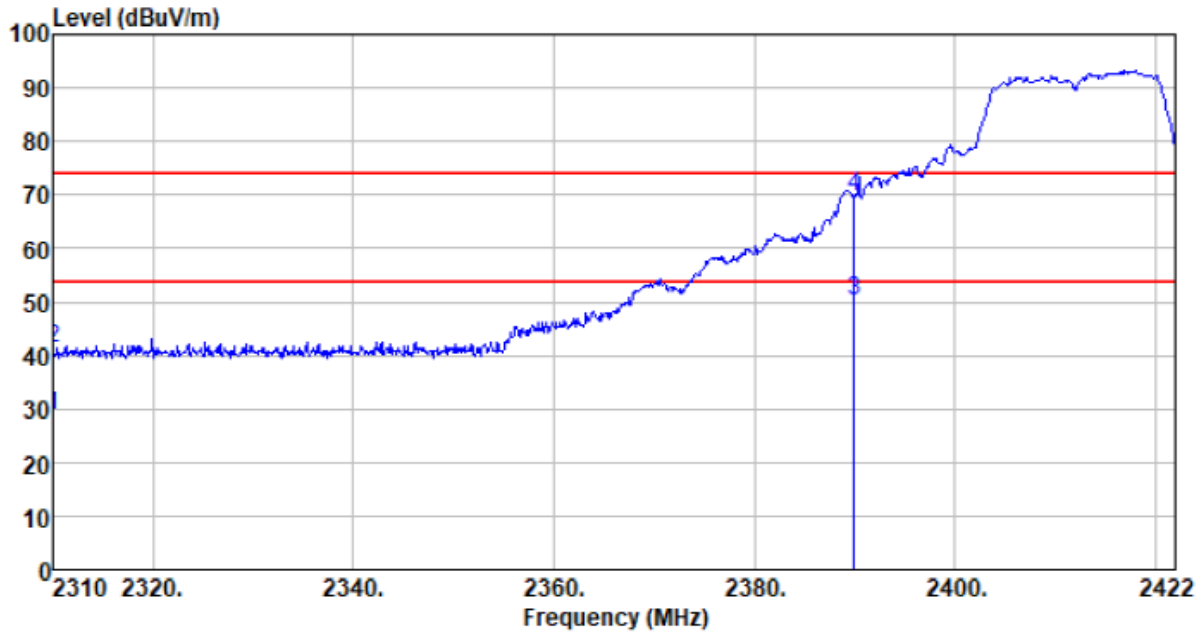
ANT 1:

Test channel:	Lowest	Polarziation:	Horizontal



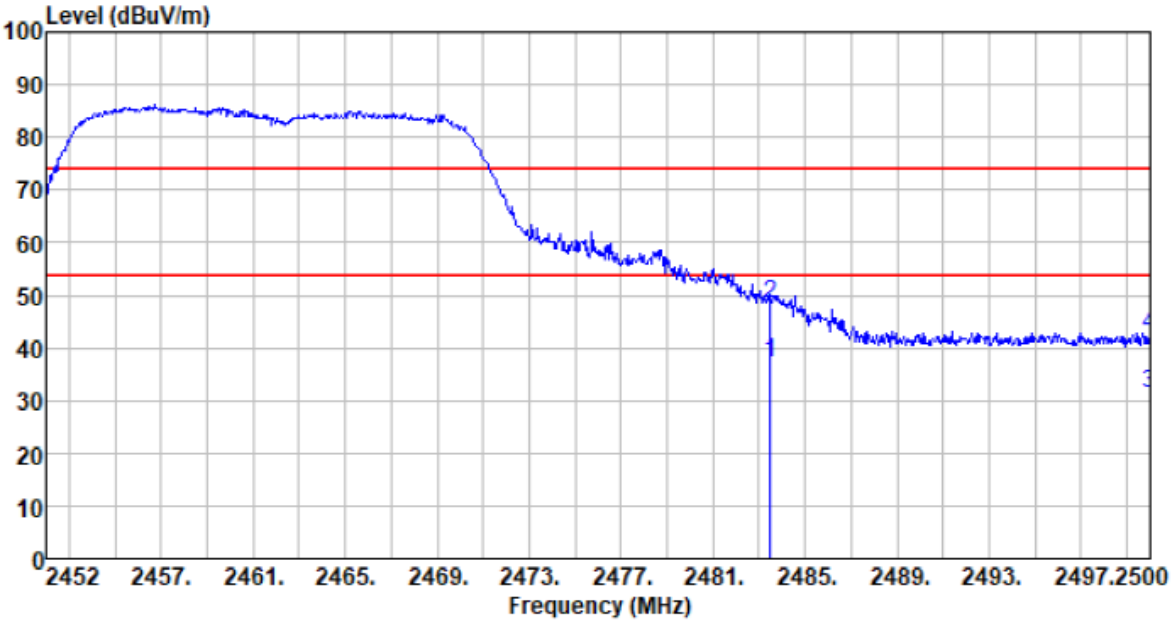
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	50.50	27.14	2.81	51.47	28.98	54.00	-25.02	Average
2310.000	62.65	27.14	2.81	51.47	41.13	74.00	-32.87	Peak
2390.000	67.87	27.37	2.91	51.35	46.80	54.00	-7.20	Average
2390.000	87.37	27.37	2.91	51.35	66.30	74.00	-7.70	Peak

Test channel:	Lowest	Polarziation:	Vertical



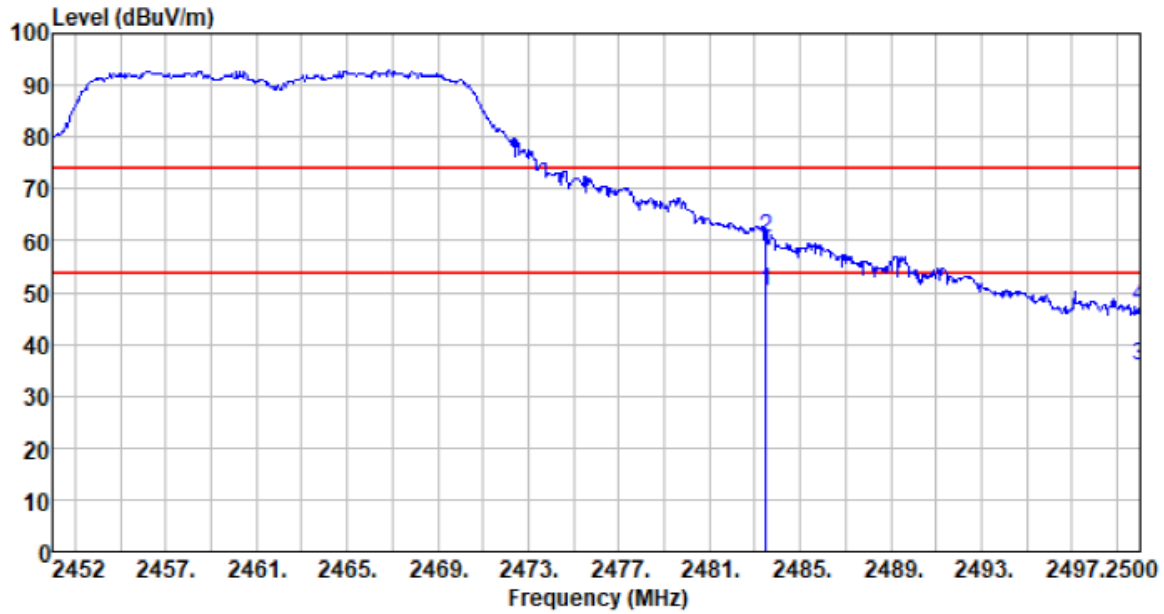
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2310.000	50.13	27.14	2.81	51.47	28.61	54.00	-25.39	Average
2310.000	62.80	27.14	2.81	51.47	41.28	74.00	-32.72	Peak
2390.000	71.14	27.37	2.91	51.35	50.07	54.00	-3.93	Average
2390.000	90.70	27.37	2.91	51.35	69.63	74.00	-4.37	Peak

Test channel:	Highest	Polarziation:	Horizontal



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2483.500	57.66	27.66	2.99	51.22	37.09	54.00	-16.91	Average
2483.500	69.05	27.66	2.99	51.22	48.48	74.00	-25.52	Peak
2500.000	51.96	27.70	3.01	51.19	31.48	54.00	-22.52	Average
2500.000	63.10	27.70	3.01	51.19	42.62	74.00	-31.38	Peak

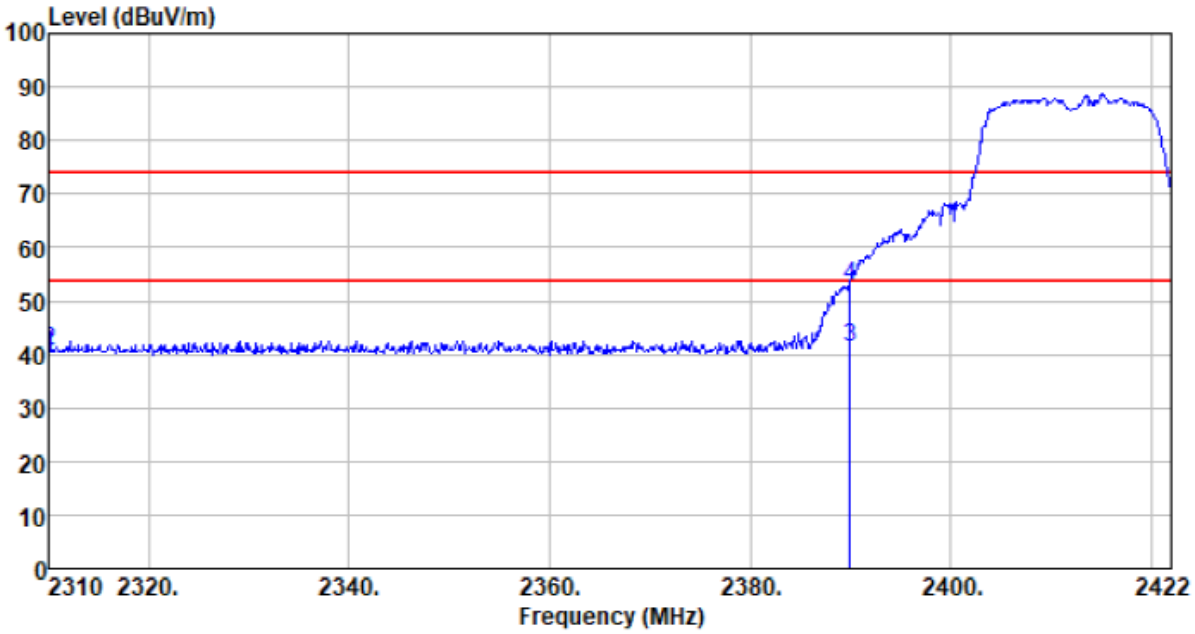
Test channel:	Highest	Polarziation:	Vertical



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2483.500	70.66	27.66	2.99	51.22	50.09	54.00	-3.91	Average
2483.500	81.11	27.66	2.99	51.22	60.54	74.00	-13.46	Peak
2500.000	56.14	27.70	3.01	51.19	35.66	54.00	-18.34	Average
2500.000	67.88	27.70	3.01	51.19	47.40	74.00	-26.60	Peak

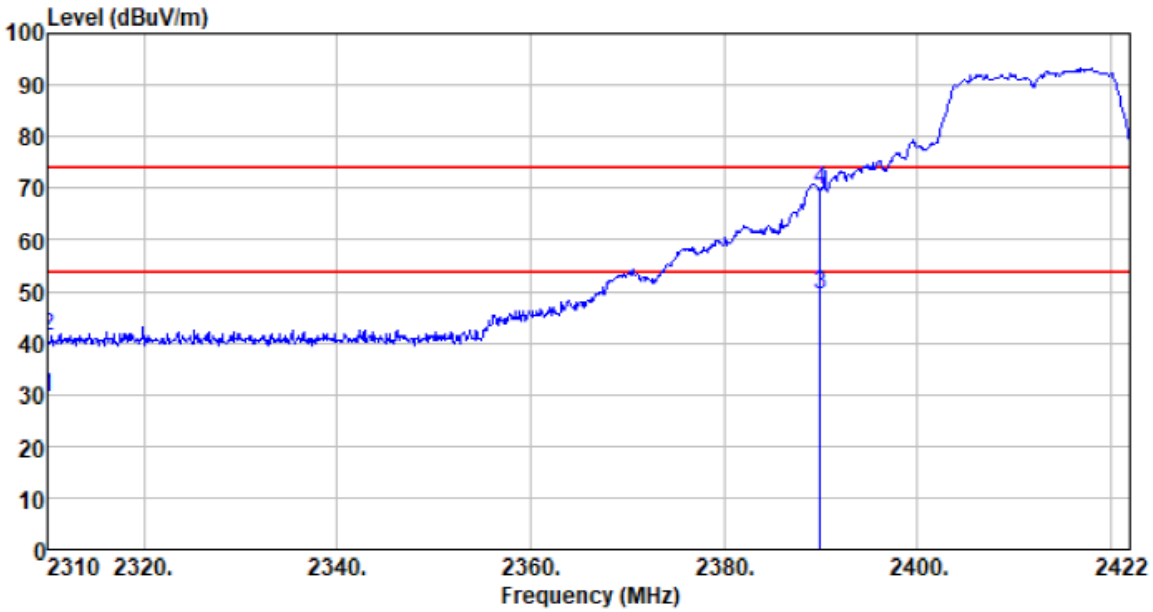
ANT 2:

Test channel:	Lowest	Polarziation:	Horizontal



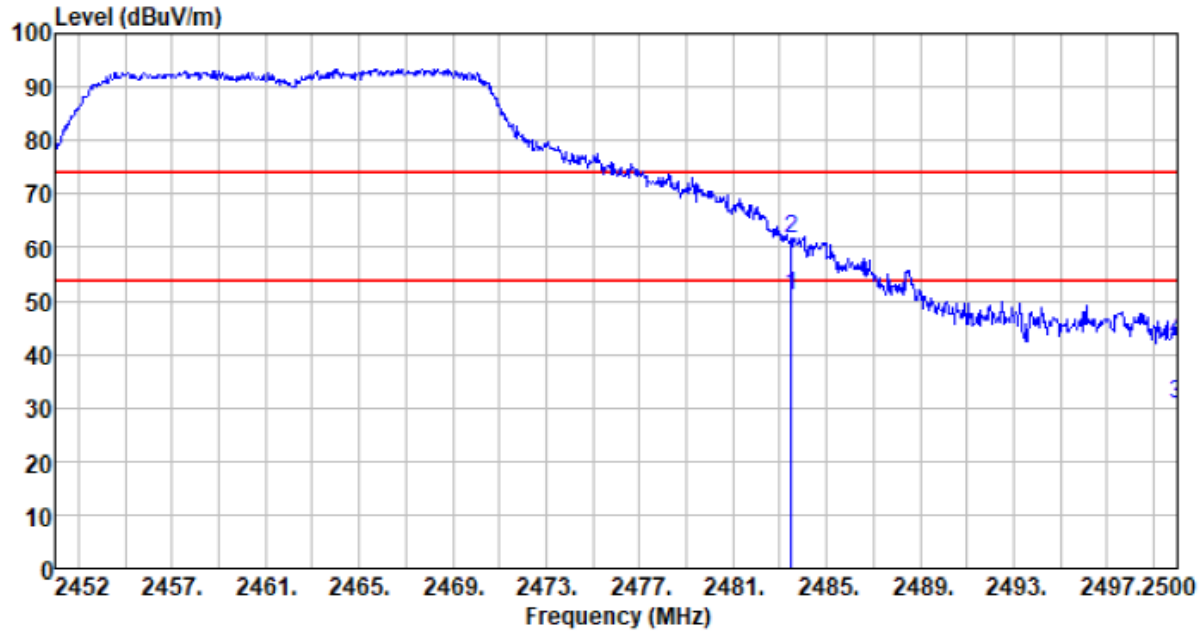
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	61.32	27.14	2.81	51.47	39.80	54.00	-14.20	Average
2310.000	62.25	27.14	2.81	51.47	40.73	74.00	-33.27	Peak
2390.000	62.32	27.37	2.91	51.35	41.25	54.00	-12.75	Average
2390.000	73.91	27.37	2.91	51.35	52.84	74.00	-21.16	Peak

Test channel:	Lowest	Polarziation:	Vertical



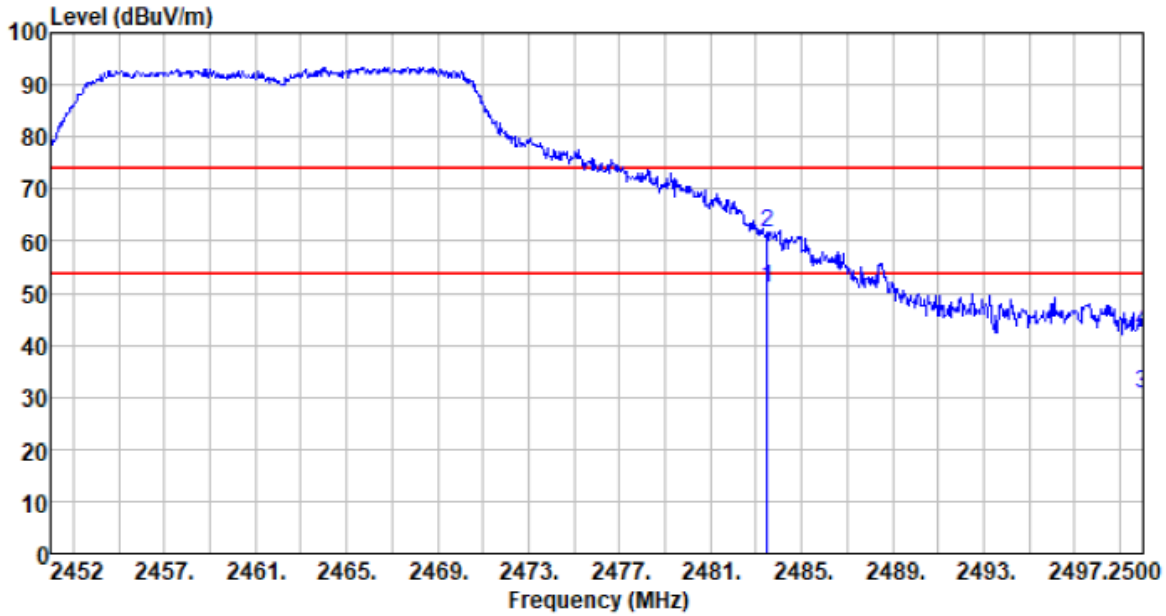
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2310.000	51.21	27.14	2.81	51.47	29.69	54.00	-24.31	Average
2310.000	62.80	27.14	2.81	51.47	41.28	74.00	-32.72	Peak
2390.000	70.69	27.37	2.91	51.35	49.62	54.00	-4.38	Average
2390.000	90.70	27.37	2.91	51.35	69.63	74.00	-4.37	Peak

Test channel:	Highest	Polarziation:	Horizontal



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	71.33	27.66	2.99	51.22	50.76	54.00	-3.24	Average
2483.500	82.31	27.66	2.99	51.22	61.74	74.00	-12.26	Peak
2500.000	51.25	27.70	3.01	51.19	30.77	54.00	-23.23	Average
2500.000	62.88	27.70	3.01	51.19	42.40	74.00	-31.60	Peak

Test channel:	Highest	Polarziation:	Vertical



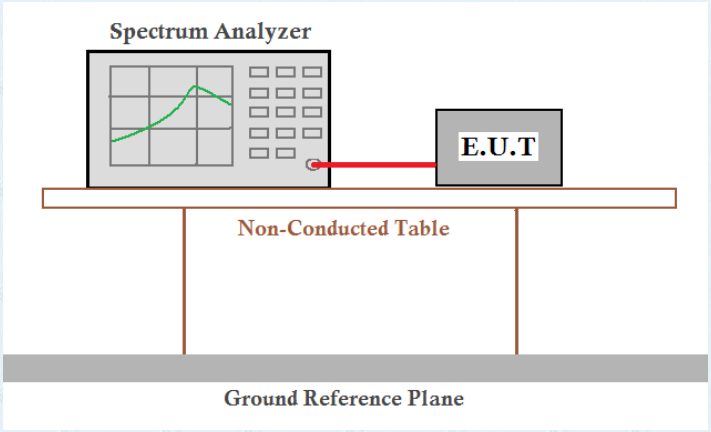
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2483.500	71.33	27.66	2.99	51.22	50.76	54.00	-3.24	Average
2483.500	82.31	27.66	2.99	51.22	61.74	74.00	-12.26	Peak
2500.000	51.25	27.70	3.01	51.19	30.77	54.00	-23.23	Average
2500.000	62.88	27.70	3.01	51.19	42.40	74.00	-31.60	Peak

Remarks:

1. *Only the worst case Main Antenna test data.*
2. *The pre-test were performed on lowest, middle and highest frequencies, only the worst case's (lowest and highest frequencies) data was showed.*
3. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
4. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

7.7 Spurious Emission

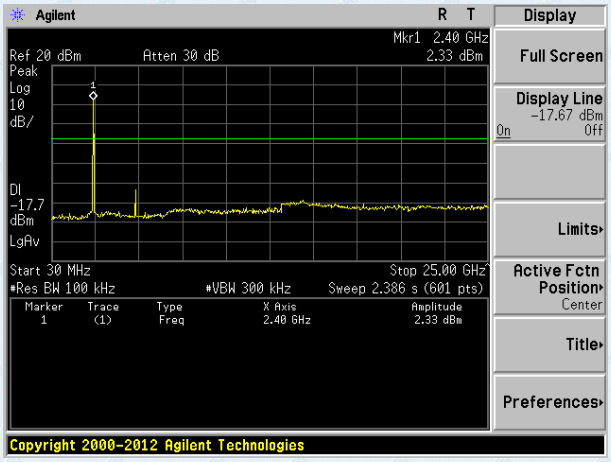
7.7.1 Conducted Emission Method

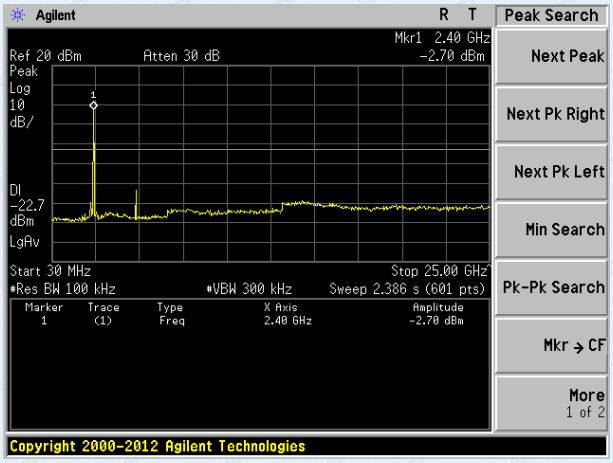
Test Requirement:	FCC Part15 C Section 15.247 (d) RSS-247 Section 5.5
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02 ANSI C63.10:2013 & RSS-Gen
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Test plot as follows:

Test mode: 802.11n(HT20)	
ANT 1	ANT 2

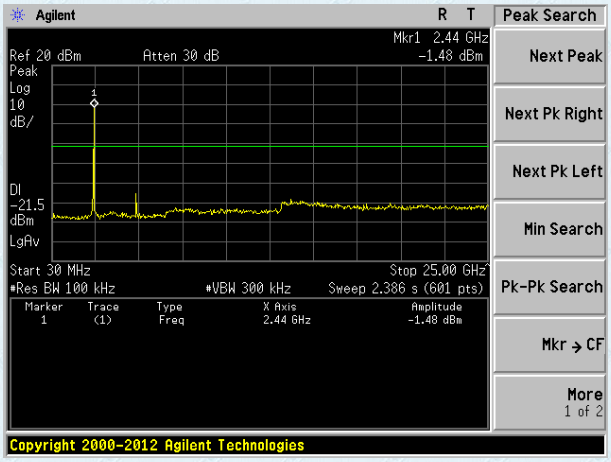
Lowest channel

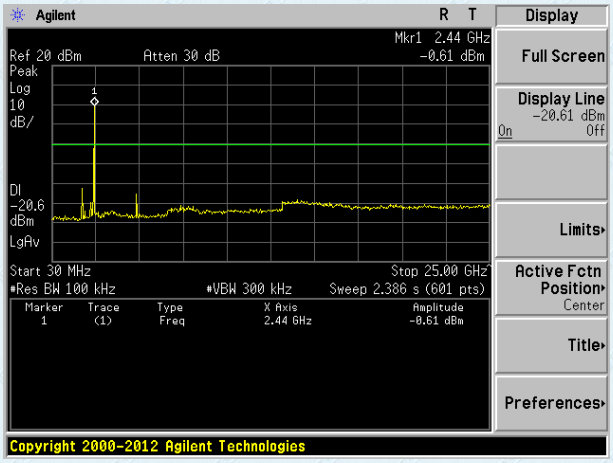




30MHz~25GHz

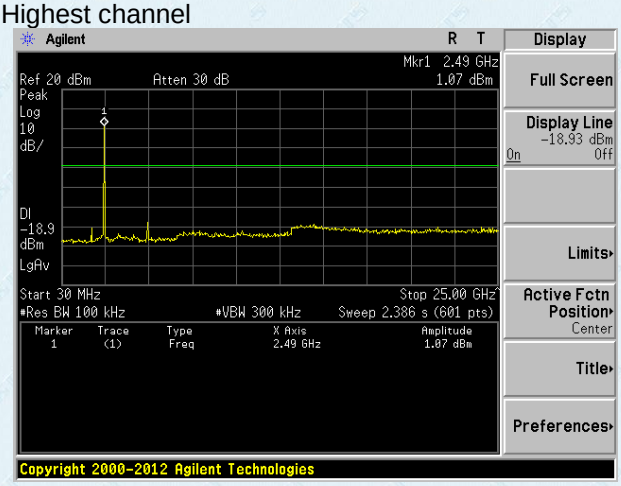
Middle channel

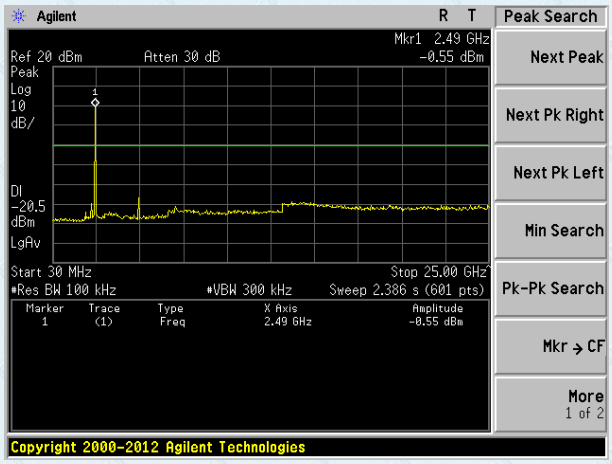




30MHz~25GHz

Highest channel



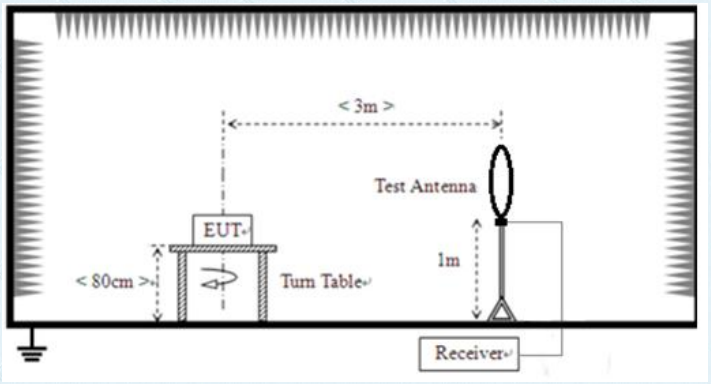


30MHz~25GHz

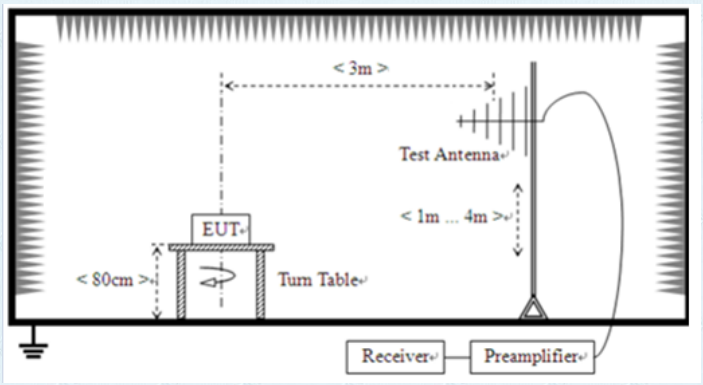
7.7.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209
RSS-247 Section 3.3 & RSS-Gen Section 8.9</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10: 2013 & RSS-Gen</td></tr>
<tr><td>Test Frequency Range:</td><td>9kHz to 25GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Value</th></tr>
<tr><td>9KHz-150KHz</td><td>Quasi-peak</td><td>200Hz</td><td>600Hz</td><td>Quasi-peak</td></tr>
<tr><td>150KHz-30MHz</td><td>Quasi-peak</td><td>9KHz</td><td>30KHz</td><td>Quasi-peak</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average</td></tr>
</table>
</td></tr>
<tr><td>FCC Limit:</td><td>
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr>
<tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr>
<tr><td>1.705-30.0</td><td>30</td><td>30</td></tr>
<tr><td>30-88</td><td>100**</td><td>3</td></tr>
<tr><td>88-216</td><td>150**</td><td>3</td></tr>
<tr><td>216-960</td><td>200**</td><td>3</td></tr>
<tr><td>Above 960</td><td>500</td><td>3</td></tr>
</table>

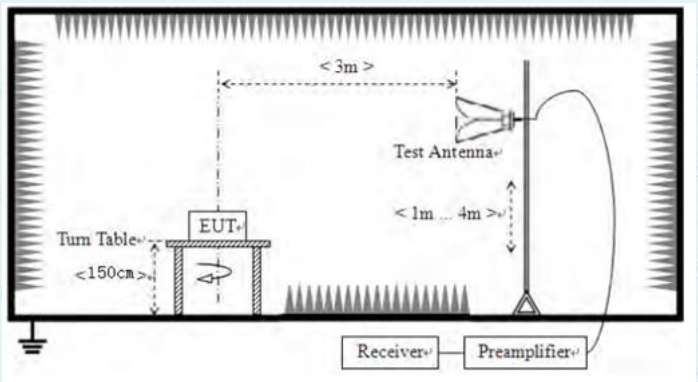
The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
</td></tr>
<tr><td>IC Limit:</td><td>
Table 5 – General field strength limits at frequencies above 30 MHz
<table>
<tr><th>Frequency
(MHz)</th><th>Field strength
(µV/m at 3 m)</th></tr>
<tr><td>30 – 88</td><td>100</td></tr>
<tr><td>88 – 216</td><td>150</td></tr>
<tr><td>216 – 960</td><td>200</td></tr>
<tr><td>Above 960</td><td>500</td></tr>
</table>
Table 6 – General field strength limits at frequencies below 30 MHz
<table>
<tr><th>Frequency</th><th>Magnetic field strength (H-Field)
(µA/m)</th><th>Measurement distance
(m)</th></tr>
<tr><td>9 - 490 kHz [1]</td><td>6.37/F (F in kHz)</td><td>300</td></tr>
<tr><td>490 - 1705 kHz</td><td>63.7/F (F in kHz)</td><td>30</td></tr>
<tr><td>1.705 - 30 MHz</td><td>0.08</td><td>30</td></tr>
</table>
Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.
</td></tr>
<tr><td>Test setup:</td><td>For radiated emissions from 9kHz to 30MHz</td></tr>
</table>



For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.					
Test Instruments:	Refer to section 6.0 for details					
Test mode:	Refer to section 5.2 for details					
Test voltage:	AC120V 60Hz					
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

Remarks:

1. *Only the worst case Main Antenna test data.*
2. *Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.*

Measurement data:

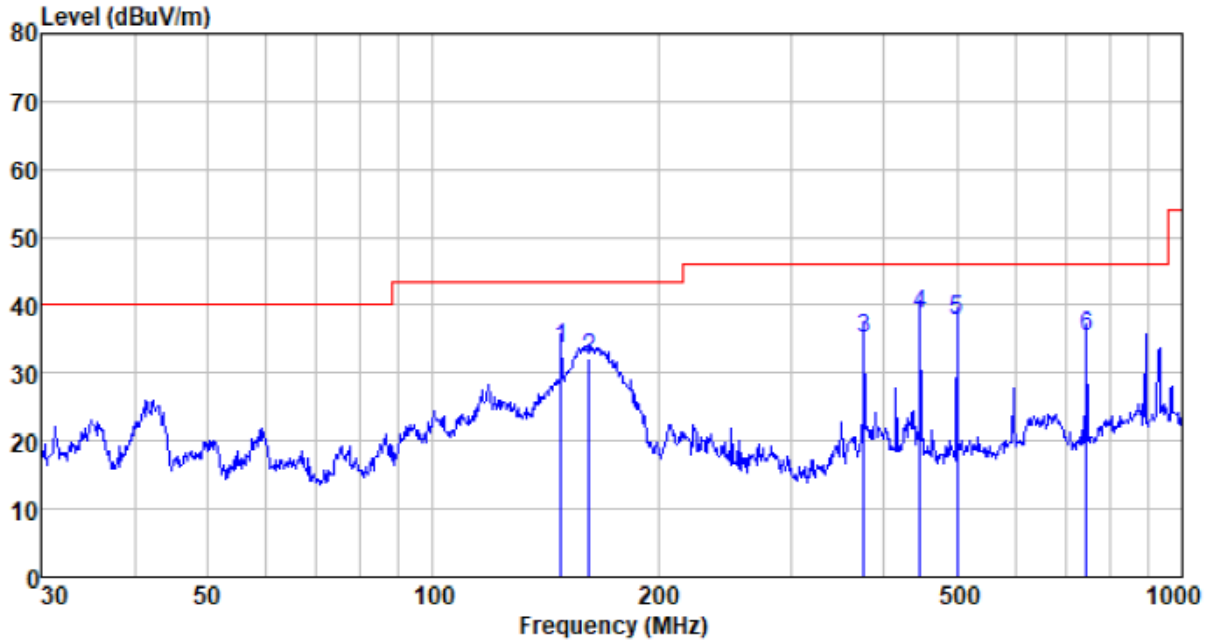
■ **9kHz~30MHz**

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

All antennas have test, only the worst case ANT 1 report.

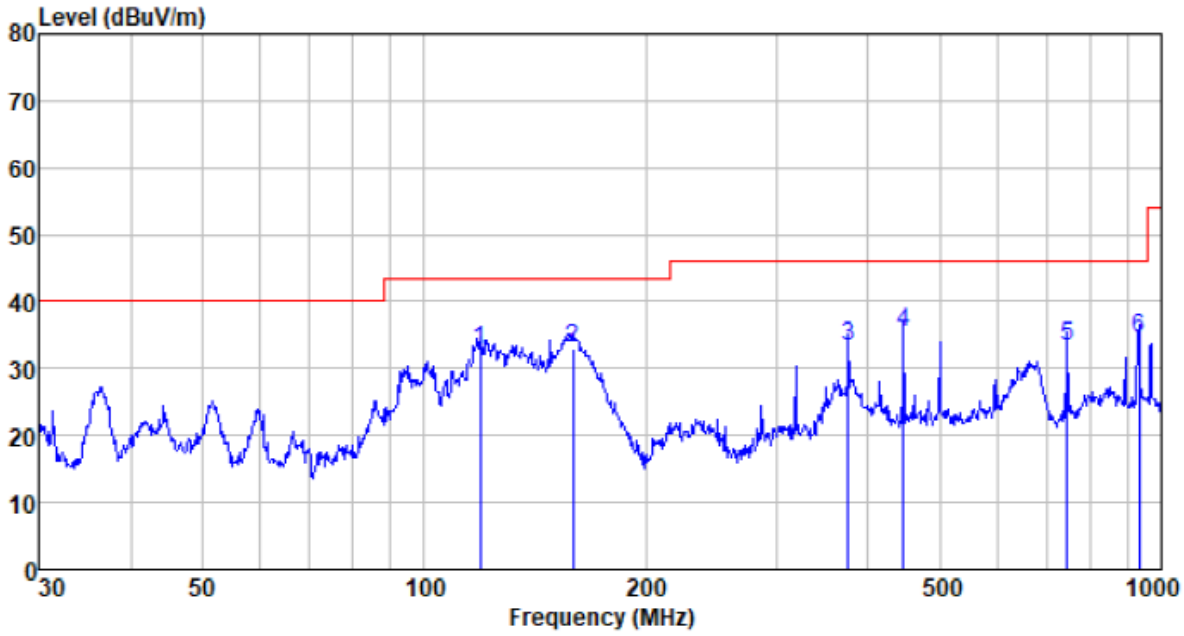
■ **Below 1GHz**

Test channel:	Lowest	Polarziation:	Horizontal



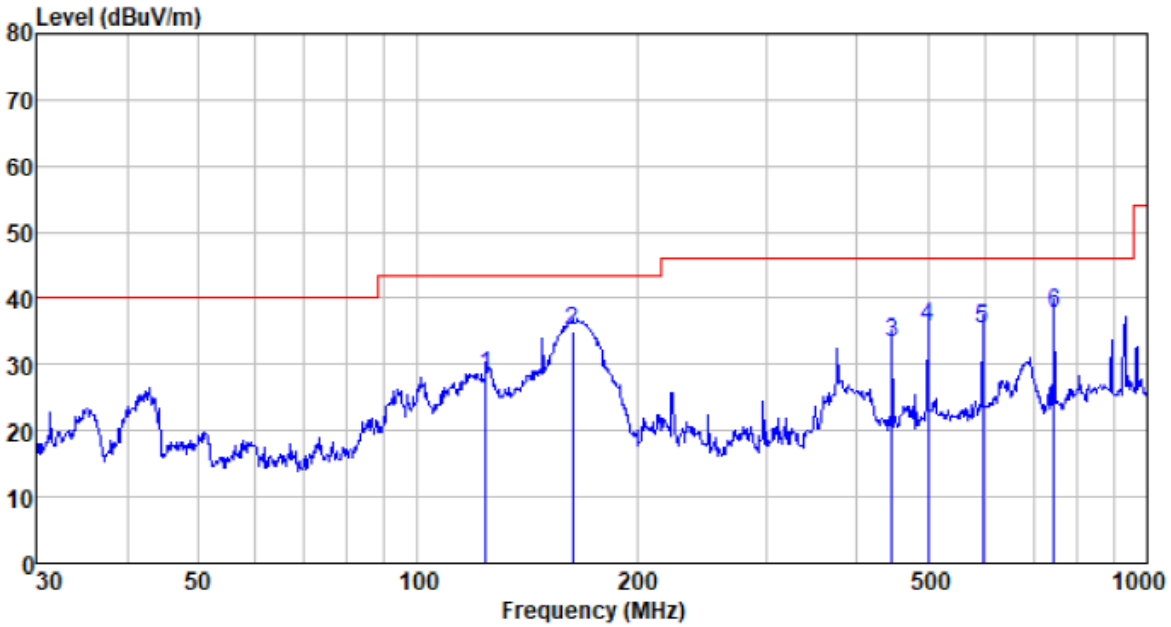
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
148.441	61.57	7.57	1.56	37.07	33.63	43.50	-9.87	QP
161.474	59.48	8.33	1.64	37.14	32.31	43.50	-11.19	QP
375.939	54.93	14.94	2.75	37.50	35.12	46.00	-10.88	QP
446.414	56.78	16.28	3.07	37.52	38.61	46.00	-7.39	QP
501.179	54.59	17.30	3.31	37.51	37.69	46.00	-8.31	QP
744.866	48.25	20.41	4.26	37.63	35.29	46.00	-10.71	QP

Test channel:	Lowest	Polarziation:	Vertical



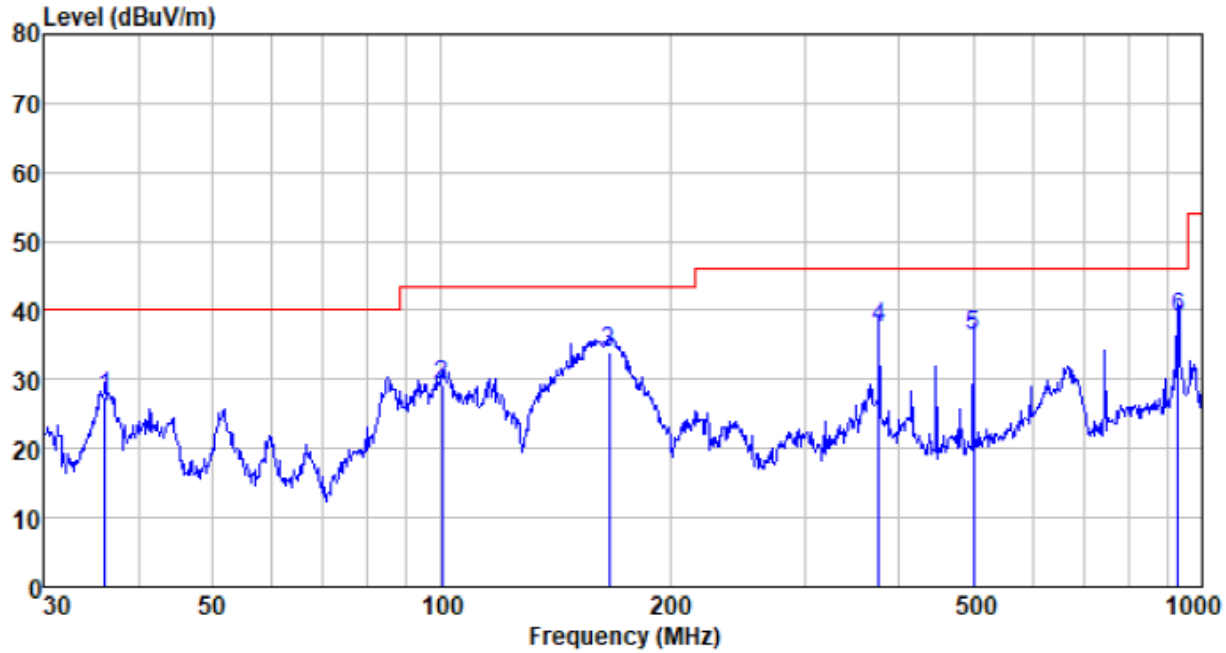
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
119.018	58.76	9.67	1.35	36.87	32.91	43.50	-10.59	QP
159.225	60.46	8.25	1.62	37.13	33.20	43.50	-10.30	QP
375.939	53.04	14.94	2.75	37.50	33.23	46.00	-12.77	QP
446.414	53.51	16.28	3.07	37.52	35.34	46.00	-10.66	QP
744.866	46.28	20.41	4.26	37.63	33.32	46.00	-12.68	QP
932.272	44.69	22.43	4.98	37.57	34.53	46.00	-11.47	QP

Test channel:	Middle	Polarziation:	Horizontal



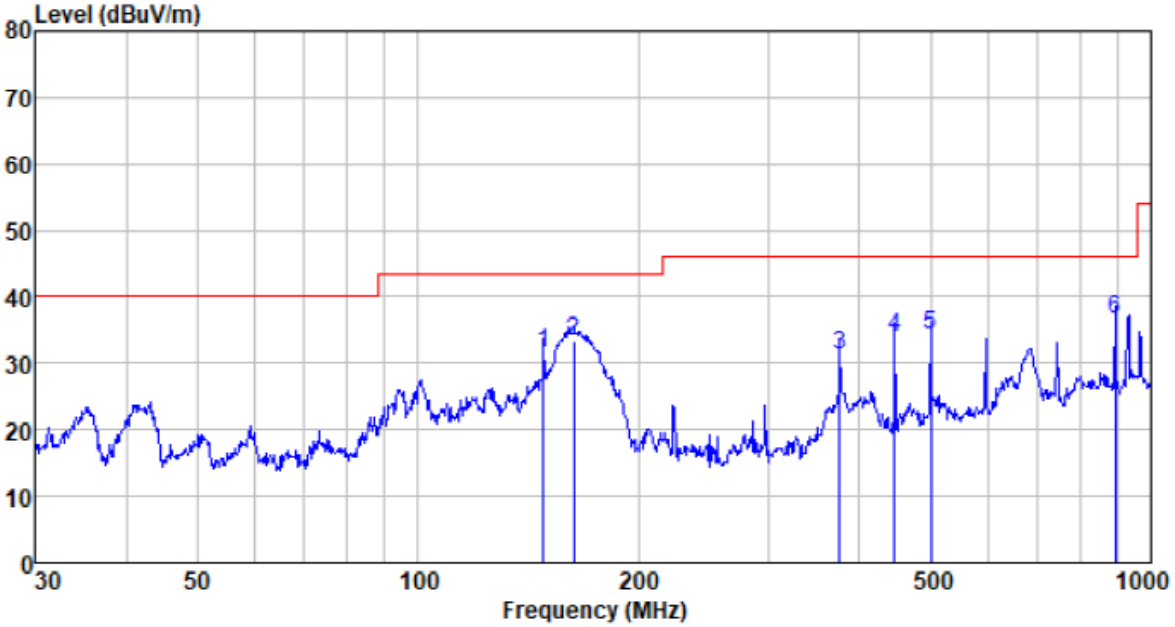
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
124.133	55.03	8.96	1.39	36.91	28.47	43.50	-15.03	QP
163.182	62.13	8.37	1.65	37.15	35.00	43.50	-8.50	QP
446.414	51.44	16.28	3.07	37.52	33.27	46.00	-12.73	QP
501.179	52.73	17.30	3.31	37.51	35.83	46.00	-10.17	QP
595.133	49.86	19.39	3.70	37.54	35.41	46.00	-10.59	QP
744.866	50.87	20.41	4.26	37.63	37.91	46.00	-8.09	QP

Test channel:	Middle	Polarziation:	Vertical



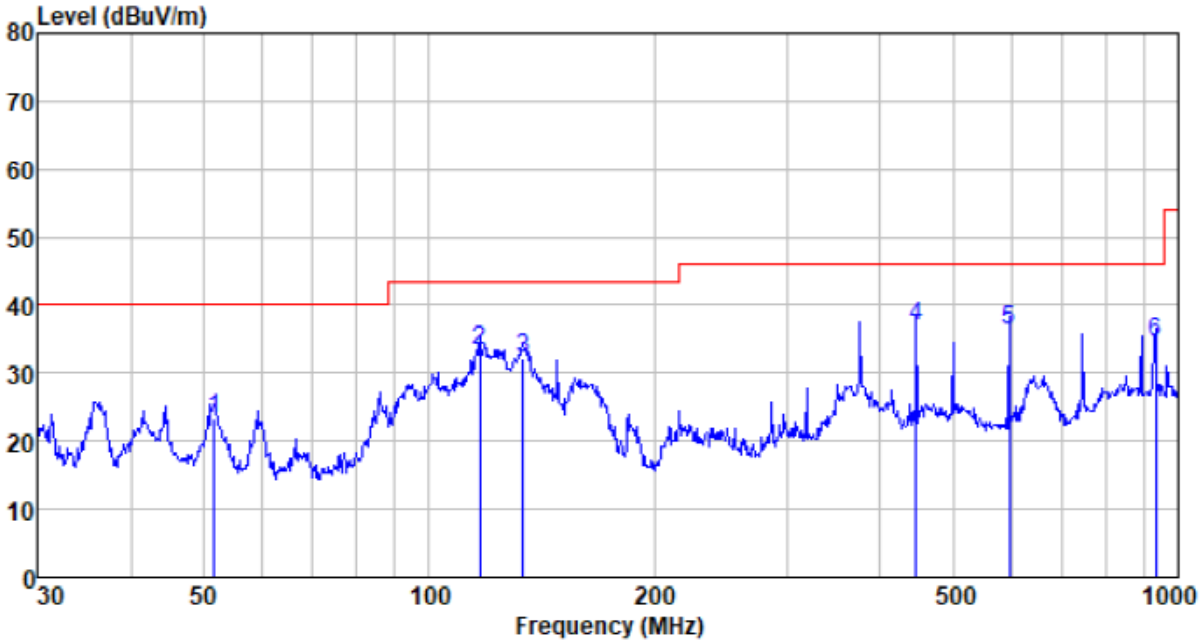
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
36.127	50.68	11.52	0.62	35.43	27.39	40.00	-12.61	QP
100.229	52.60	12.15	1.19	36.72	29.22	43.50	-14.28	QP
166.068	61.05	8.43	1.66	37.17	33.97	43.50	-9.53	QP
375.939	57.16	14.94	2.75	37.50	37.35	46.00	-8.65	QP
501.179	53.09	17.30	3.31	37.51	36.19	46.00	-9.81	QP
929.008	49.16	22.41	4.96	37.57	38.96	46.00	-7.04	QP

Test channel:	Highest	Polarziation:	Horizontal



Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
148.441	59.52	7.57	1.56	37.07	31.58	43.50	-11.92	QP
163.182	60.56	8.37	1.65	37.15	33.43	43.50	-10.07	QP
375.939	51.11	14.94	2.75	37.50	31.30	46.00	-14.70	QP
446.414	52.25	16.28	3.07	37.52	34.08	46.00	-11.92	QP
501.179	51.24	17.30	3.31	37.51	34.34	46.00	-11.66	QP
893.857	47.23	22.23	4.83	37.60	36.69	46.00	-9.31	QP

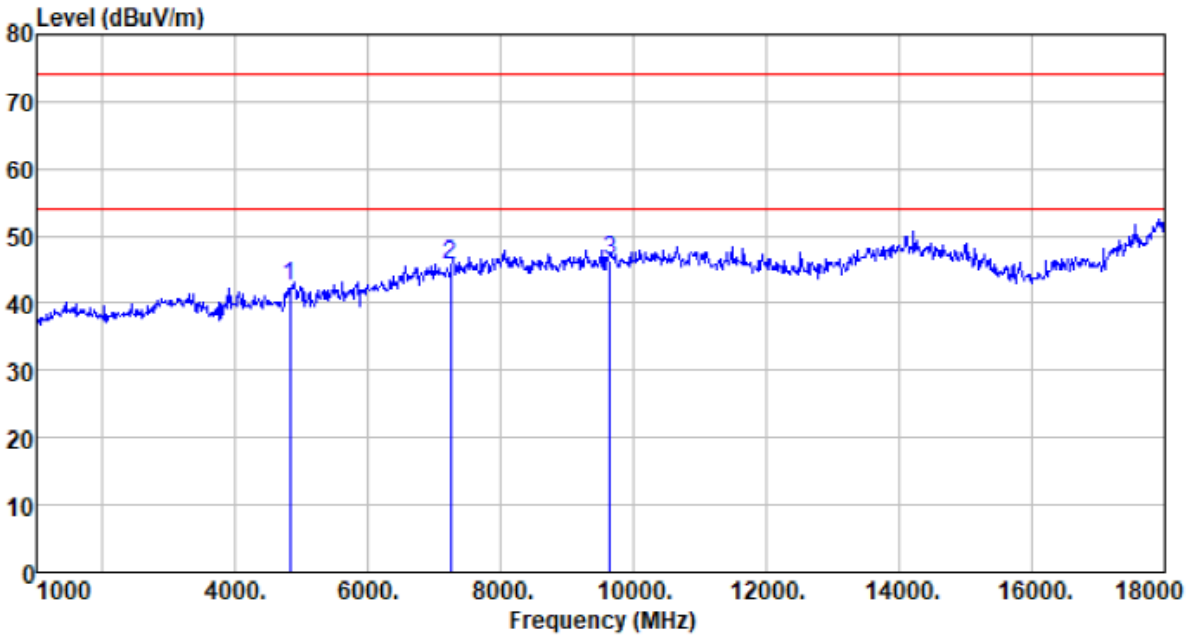
Test channel:	Highest	Polarziation:	Vertical



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
51.662	46.71	12.12	0.79	36.21	23.41	40.00	-16.59	QP
116.950	58.81	10.01	1.34	36.86	33.30	43.50	-10.20	QP
133.619	59.90	7.92	1.46	36.98	32.30	43.50	-11.20	QP
446.414	54.99	16.28	3.07	37.52	36.82	46.00	-9.18	QP
595.133	50.87	19.39	3.70	37.54	36.42	46.00	-9.58	QP
932.272	44.62	22.43	4.98	37.57	34.46	46.00	-11.54	QP

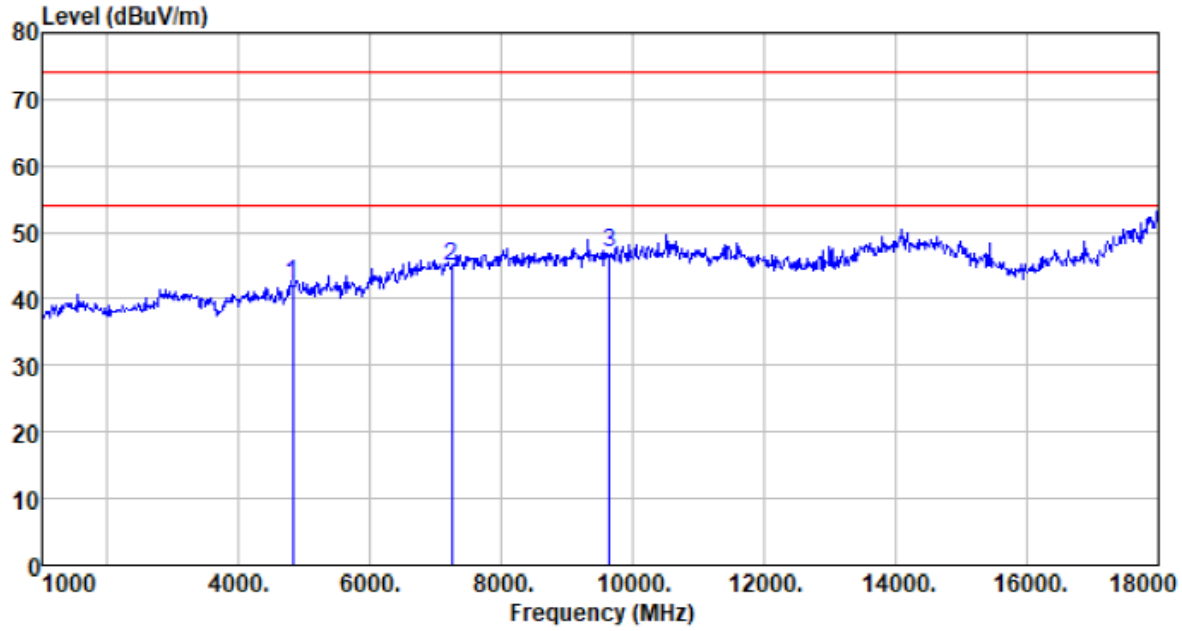
■ **Above 1GHz**

Test channel:	Lowest	Polarziation:	Horizontal



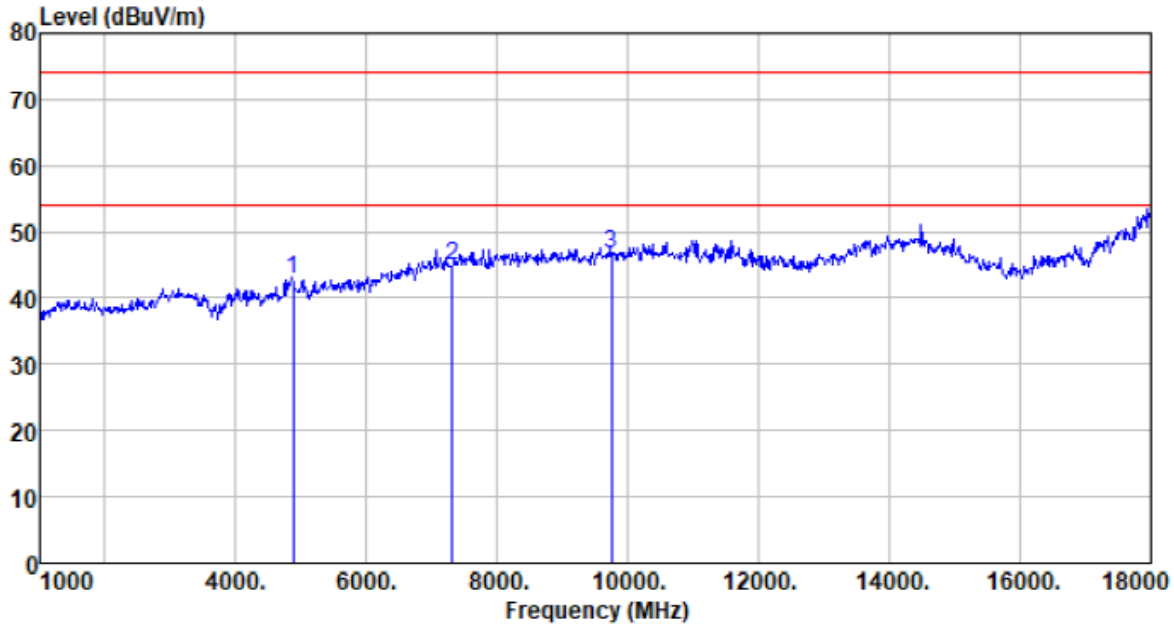
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4824.000	57.54	31.22	4.63	50.78	42.61	74.00	-31.39	Peak
7236.000	53.04	36.25	6.52	50.09	45.72	74.00	-28.28	Peak
9648.000	51.32	37.97	7.99	50.89	46.39	74.00	-27.61	Peak

Test channel:	Lowest	Polarziation:	Vertical



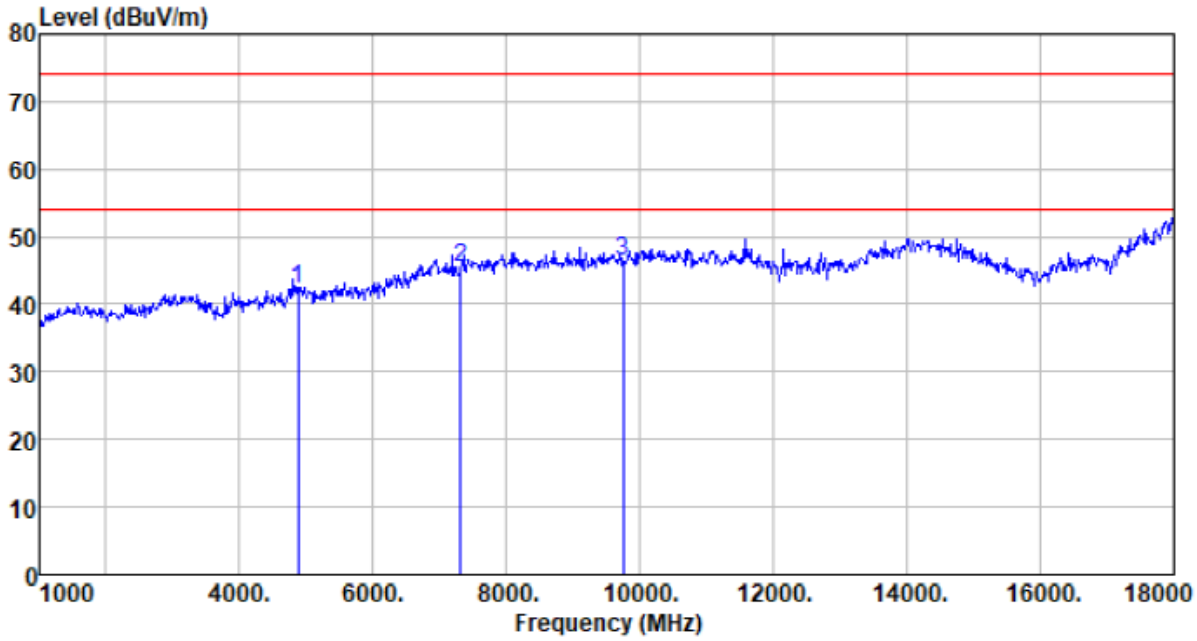
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4824.000	57.00	31.22	4.63	50.78	42.07	74.00	-31.93	Peak
7236.000	52.12	36.25	6.52	50.09	44.80	74.00	-29.20	Peak
9648.000	51.87	37.97	7.99	50.89	46.94	74.00	-27.06	Peak

Test channel:	Middle	Polarziation:	Horizontal



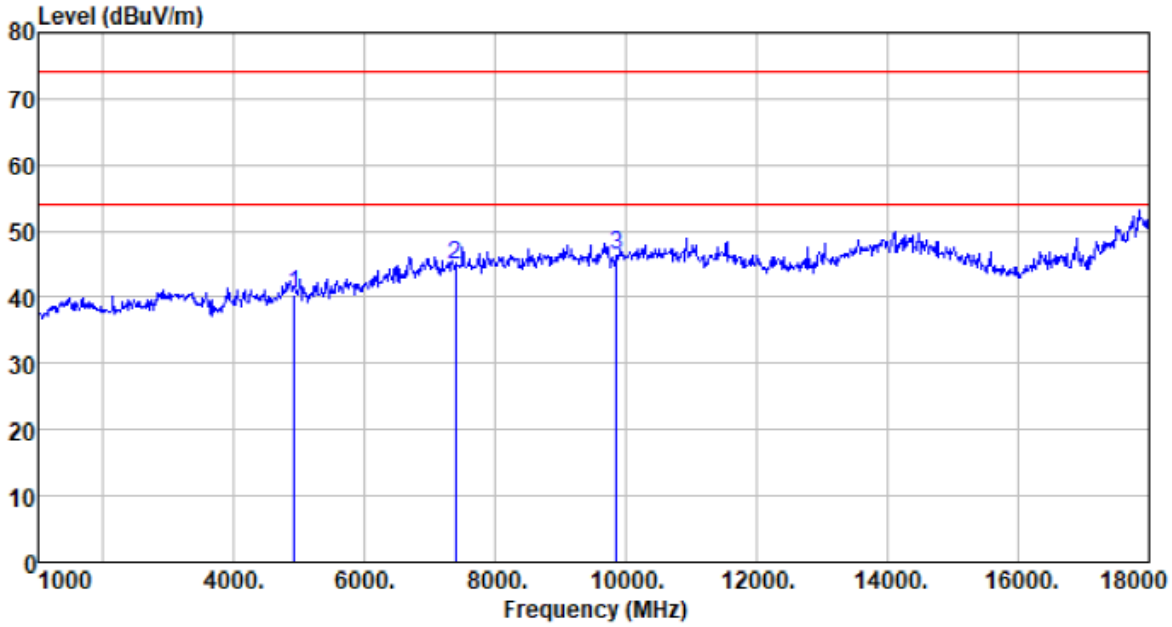
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4874.000	57.55	31.31	4.69	50.75	42.80	74.00	-31.20	Peak
7311.000	51.92	36.39	6.61	50.06	44.86	74.00	-29.14	Peak
9748.000	51.45	38.10	8.03	50.97	46.61	74.00	-27.39	Peak

Test channel:	Middle	Polarziation:	Vertical



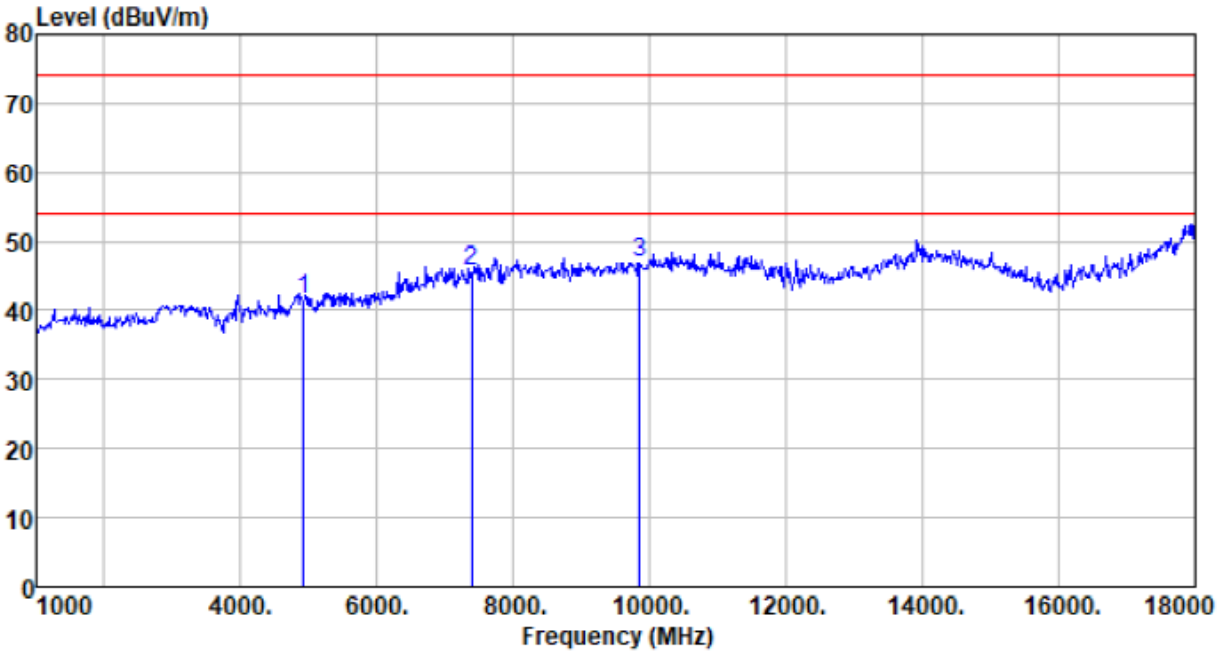
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4874.000	56.85	31.31	4.69	50.75	42.10	74.00	-31.90	Peak
7311.000	52.67	36.39	6.61	50.06	45.61	74.00	-28.39	Peak
9748.000	51.16	38.10	8.03	50.97	46.32	74.00	-27.68	Peak

Test channel:	Highest	Polarziation:	Horizontal



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4924.000	55.01	31.39	4.75	50.73	40.42	74.00	-33.58	Peak
7386.000	51.51	36.57	6.71	50.02	44.77	74.00	-29.23	Peak
9848.000	51.20	38.20	8.06	51.05	46.41	74.00	-27.59	Peak

Test channel:	Highest	Polarziation:	Vertical



Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4924.000	56.21	31.39	4.75	50.73	41.62	74.00	-32.38	Peak
7386.000	52.42	36.57	6.71	50.02	45.68	74.00	-28.32	Peak
9848.000	51.66	38.20	8.06	51.05	46.87	74.00	-27.13	Peak

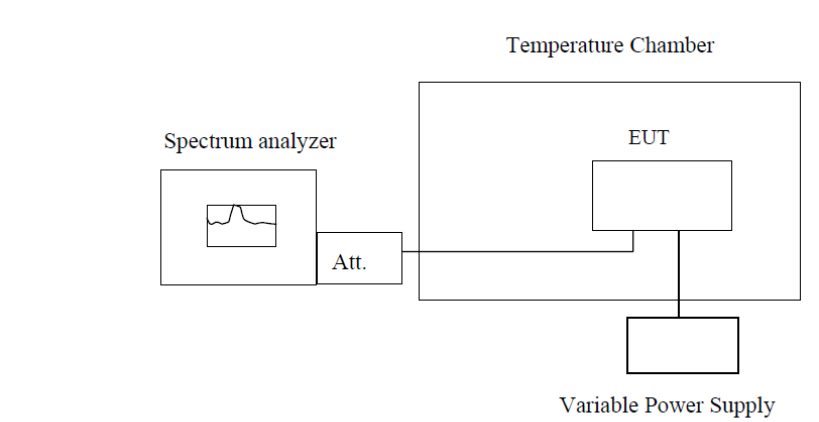
Remark:

1 Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

2 "", means this data is the too weak instrument of signal is unable to test.*

3. The emission levels of other frequencies are very lower than the limit and not show in test report.

7.8 Frequency stability

Test Requirement:	RSS-Gen Section 6.11& Section 8.11
Test Method:	ANSI C63.10: 2013 & RSS-Gen
Limit:	Manufactures of devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified
Test Procedure:	The EUT was setup to ANSI C63.10, 2013; tested to 2.1055 for compliance to RSS-Gen requirements.
Test setup:	 **Note :** Measurement setup for testing on Antenna connector
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Remark: Set the EUT transmits at un-modulation mode to test frequency stability.

Measurement data:

Frequency stability versus Temp.						
Power Supply: AC 120V						
Temp. (°C)	Operating Frequency (MHz)	0 minute Measured Frequency (MHz)	2 minute Measured Frequency (MHz)	5 minute Measured Frequency (MHz)	10 minute Measured Frequency (MHz)	Pass /Fail
-30	2412	2412.0021	2412.0093	2412.0069	2412.0045	Pass
	2437	2437.0023	2437.0097	2437.0121	2437.0048	Pass
	2462	2462.0026	2462.0100	2462.0125	2462.0051	Pass
-20	2412	2412.0023	2412.0096	2412.0120	2412.0047	Pass
	2437	2437.0030	2437.0104	2437.0128	2437.0055	Pass
	2462	2462.0027	2462.0101	2462.0125	2462.0051	Pass
-10	2412	2412.0031	2412.0103	2412.0128	2412.0055	Pass
	2437	2437.0033	2437.0106	2437.0130	2437.0057	Pass
	2462	2462.0026	2462.0100	2462.0125	2462.0051	Pass
0	2412	2412.0023	2412.0095	2412.0119	2412.0047	Pass
	2437	2437.0023	2437.0097	2437.0121	2437.0048	Pass
	2462	2462.0025	2462.0099	2462.0123	2462.0049	Pass
10	2412	2412.0024	2412.0096	2412.0120	2412.0048	Pass
	2437	2437.0027	2437.0100	2437.0125	2437.0051	Pass
	2462	2462.0026	2462.0100	2462.0125	2462.0051	Pass
20	2412	2412.0023	2412.0096	2412.0120	2412.0047	Pass
	2437	2437.0029	2437.0102	2437.0127	2437.0054	Pass
	2462	2462.0022	2462.0096	2462.0120	2462.0046	Pass
30	2412	2412.0019	2412.0092	2412.0116	2412.0043	Pass
	2437	2437.0022	2437.0096	2437.0120	2437.0047	Pass
	2462	2462.0027	2462.0101	2462.0126	2462.0052	Pass
40	2412	2412.0028	2412.0100	2412.0124	2412.0052	Pass
	2437	2437.0017	2437.0090	2437.0114	2437.0041	Pass
	2462	2462.0017	2462.0091	2462.0116	2462.0042	Pass
50	2412	2412.0017	2412.0089	2412.0113	2412.0041	Pass
	2437	2437.0017	2437.0090	2437.0114	2437.0041	Pass
	2462	2462.0017	2462.0091	2462.0115	2462.0041	Pass

Frequency stability versus Voltage						
Temperature: 25°C						
Power Supply (VAC)	Operating Frequency (MHz)	0 minute	2 minute	5 minute	10 minute	Pass /Fail
		Measured Frequency (MHz)	Measured Frequency (MHz)	Measured Frequency (MHz)	Measured Frequency (MHz)	
100	2412	2412.0024	2412.0096	2412.0072	2412.0048	Pass
	2437	2437.0021	2437.0094	2437.0070	2437.0045	Pass
	2462	2462.0023	2462.0097	2462.0072	2462.0048	Pass
120	2412	2412.0023	2412.0096	2412.0072	2412.0048	Pass
	2437	2437.0020	2437.0094	2437.0069	2437.0045	Pass
	2462	2462.0022	2462.0096	2462.0071	2462.0046	Pass
132	2412	2412.0021	2412.0094	2412.0069	2412.0045	Pass
	2437	2437.0020	2437.0093	2437.0068	2437.0044	Pass
	2462	2462.0022	2462.0096	2462.0071	2462.0047	Pass

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

------End------