TEST REPORT

Applicant:	ShenZhen FLYSKY Technology Co.,Ltd
Address of Applicant:	16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China
Manufacturer:	ShenZhen FLYSKY Technology Co.,Ltd
Address of Manufacturer:	16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China
Factory:	Dongguan Flysky RC Model technology Co.,Ltd
Address of Factory:	West building 3, HuangjinyuanInd Park, Qiaoli North Gate, Changping Town, Dongguan, China

Equipment Under Test (EUT)

Product Name:	8-CHANNEL RECEIVER
Model No.:	FS-SR8C
Trade Mark:	FLYSKY
FCC ID:	2A2UNSR8C00
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	April 11, 2022
Date of Test:	April 12-26, 2022
Date of report issued:	April 26, 2022
Test Result :	PASS *

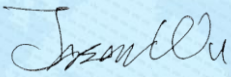
* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

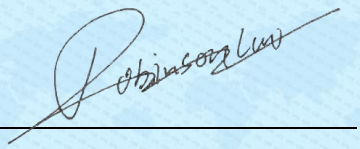
Robinson Luo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*April 26, 2022*	*Original*

Prepared By:  ***Date:*** *April 26, 2022*

Project Engineer

Check By:  ***Date:*** *April 26, 2022*

Reviewer

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4 Test Summary

Test Item	Section	Result
Antenna Requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(1)	Pass
20dB Occupied Bandwidth	15.247 (a)(1)	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Pass
Hopping Channel Number	15.247 (a)(1)(iii)	Pass
Dwell Time	15.247 (a)(1)(iii)	Pass
Radiated Emission	15.205/15.209	Pass
Band Edge	15.247(d)	Pass

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

Remark： Test according to ANSI C63.10:2013.

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz-30MHz	3.1dB	(1)
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:	8-CHANNEL RECEIVER
Model No.:	FS-SR8C
Serial No.:	N/A
Hardware version:	FS-SRBC-V1.2
Software version:	FS-SR8C 1.0.1
Test sample(s) ID:	GTS202204000116-1
Sample(s) Status	Engineer sample
Operation Frequency:	2406MHz~2472MHz
Channel numbers:	133
Modulation method:	FHSS
Modulation technology:	GMSK
Antenna Type:	ANT 1&2: Integral Antenna
Antenna gain:	ANT 1&2: -1dBi
Power supply:	DC 3.5-9.0V

Remark: All two antennas transmitters were work in asynchronous status, MIMO mode is not supported .

The system works in the frequency range of 2406MHz to 2472MHz. This band has been divided to 133independent channels. Each radio system uses 20 different channels; the minimum channel separation is ≥3MHz. By using various switch-on times, hopping scheme and channel frequencies, the system can guarantee a jamming free radio transmission. Pre-testing all radio systems, this radio system recorded in the report is the worst mode.The channel list is below.

The test frequencies are below:

Channel	Frequency
The lowest channel	2406MHz
The middle channel	2440MHz
The Highest channel	2472MHz

Operation Frequency each of channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2406.0	35	2423.0	69	2440.0	103	2457.0
2	2406.5	36	2423.5	70	2440.5	104	2457.5
3	2407.0	37	2424.0	71	2441.0	105	2458.0
4	2407.5	38	2424.5	72	2441.5	106	2458.5
5	2408.0	39	2425.0	73	2442.0	107	2459.0
6	2408.5	40	2425.5	74	2442.5	108	2459.5
7	2409.0	41	2426.0	75	2443.0	109	2460.0
8	2409.5	42	2426.5	76	2443.5	110	2460.5
9	2410.0	43	2427.0	77	2444.0	111	2461.0
10	2410.5	44	2427.5	78	2444.5	112	2461.5
11	2411.0	45	2428.0	79	2445.0	113	2462.0
12	2411.5	46	2428.5	80	2445.5	114	2462.5
13	2412.0	47	2429.0	81	2446.0	115	2463.0
14	2412.5	48	2429.5	82	2446.5	116	2463.5
15	2413.0	49	2430.0	83	2447.0	117	2464.0
16	2413.5	50	2430.5	84	2447.5	118	2464.5
17	2414.0	51	2431.0	85	2448.0	119	2465.0
18	2414.5	52	2431.5	86	2448.5	120	2465.5
19	2415.0	53	2432.0	87	2449.0	121	2466.0
20	2415.5	54	2432.5	88	2449.5	122	2466.5
21	2416.0	55	2433.0	89	2450.0	123	2467.0
22	2416.5	56	2433.5	90	2450.5	124	2467.5
23	2417.0	57	2434.0	91	2451.0	125	2468.0
24	2417.5	58	2434.5	92	2451.5	126	2468.5
25	2418.0	59	2435.0	93	2452.0	127	2469.0
26	2418.5	60	2435.5	94	2452.5	128	2469.5
27	2419.0	61	2436.0	95	2453.0	129	2470.0
28	2419.5	62	2436.5	96	2453.5	130	2470.5
29	2420.0	63	2437.0	97	2454.0	131	2471.0
30	2420.5	64	2437.5	98	2454.5	132	2471.5
31	2421.0	65	2438.0	99	2455.0	133	2472.0
32	2421.5	66	2438.5	100	2455.5		
33	2422.0	67	2439.0	101	2456.0		
34	2422.5	68	2439.5	102	2456.5		

5.2 Test mode

Transmitting mode	Keep the EUT in transmitting mode.
Remark: During the test, the duty cycle >98%, the test voltage is adjusted from DC3.5V to DC9.0V, and found that the worst case was DC9.0V. So the report just shows that condition's data.	

5.3 Test Facility

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

● **FCC —Registration No.: 381383**

Designation Number: CN5029

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.

● **IC —Registration No.: 9079A**

CAB identifier: CN0091

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.

● **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.4 Test Location

All other 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

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number
ShenZhen FLYSKY Technology Co.,Ltd	Remote control	FS-ST8	N/A
GW	DC POWER SUPPLY	GPR-6030D	EF924756

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Additional Instructions

Software (Used for test) from client

Built-in by manufacturer, power set default.

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. 24 2021	June. 23 2022
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 24 2021	June. 23 2022
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 24 2021	June. 23 2022
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 24 2021	June. 23 2022
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	June. 24 2021	June. 23 2022
9	Coaxial Cable	GTS	N/A	GTS211	June. 24 2021	June. 23 2022
10	Coaxial cable	GTS	N/A	GTS210	June. 24 2021	June. 23 2022
11	Coaxial Cable	GTS	N/A	GTS212	June. 24 2021	June. 23 2022
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 24 2021	June. 23 2022
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 24 2021	June. 23 2022
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 24 2021	June. 23 2022
15	Band filter	Amindeon	82346	GTS219	June. 24 2021	June. 23 2022
16	Power Meter	Anritsu	ML2495A	GTS540	June. 24 2021	June. 23 2022
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 24 2021	June. 23 2022
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 24 2021	June. 23 2022
19	Splitter	Agilent	11636B	GTS237	June. 24 2021	June. 23 2022
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 24 2021	June. 23 2022
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 17 2021	Oct. 16 2022
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 17 2021	Oct. 16 2022
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 17 2021	Oct. 16 2022
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 24 2021	June. 23 2022

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. 24 2021	June. 23 2022
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 24 2021	June. 23 2022
4	ENV216 2-L-V-NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 24 2021	June. 23 2022
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. 24 2021	June. 23 2022
8	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	June. 24 2021	June. 23 2022
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	June. 24 2021	June. 23 2022
10	High voltage probe	SCHWARZBECK	TK9420	GTS537	July. 09 2021	July. 08 2022

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. 24 2021	June. 23 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 24 2021	June. 23 2022
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 24 2021	June. 23 2022
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 24 2021	June. 23 2022
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 24 2021	June. 23 2022
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 24 2021	June. 23 2022
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 24 2021	June. 23 2022

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. 24 2021	June. 23 2022
2	Barometer	ChangChun	DYM3	GTS255	June. 24 2021	June. 23 2022

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.

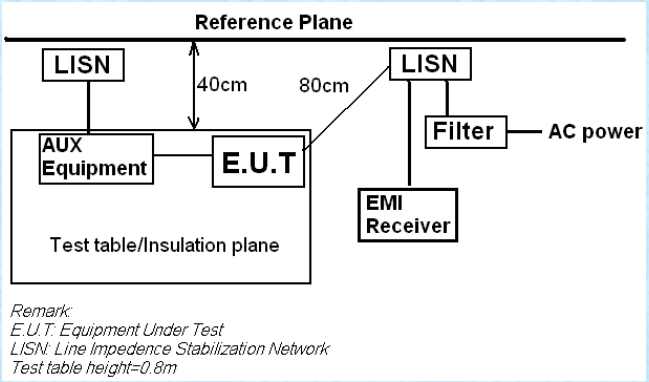
15.247(c) (1)(i) requirement:

(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.

EUT Antenna:

The antenna is integral antenna, the best case gain of the antenna is -1dBi, reference to the appendix II for details.

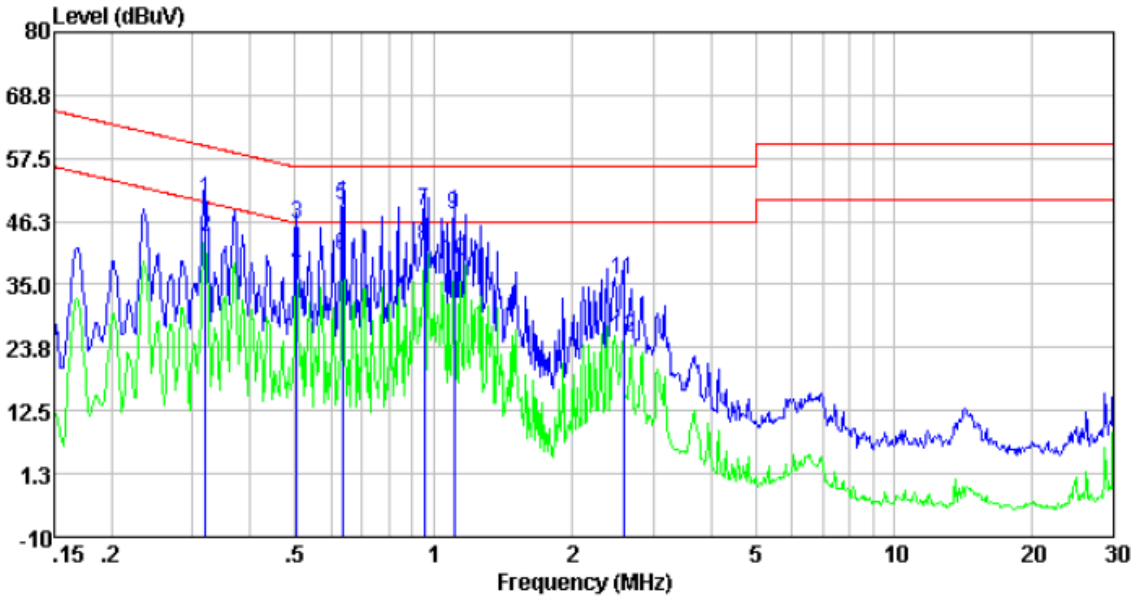
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto
Limit:	Frequency range (MHz) / Limit (dBuV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 * Decreases with the logarithm of the frequency.
Test setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
Test procedure:	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 C63.10:2009 on conducted measurement.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test environment:	Temp.: 25 °C / Humid.: 52% / Press.: 1012mbar
Test results:	Pass

Measurement data

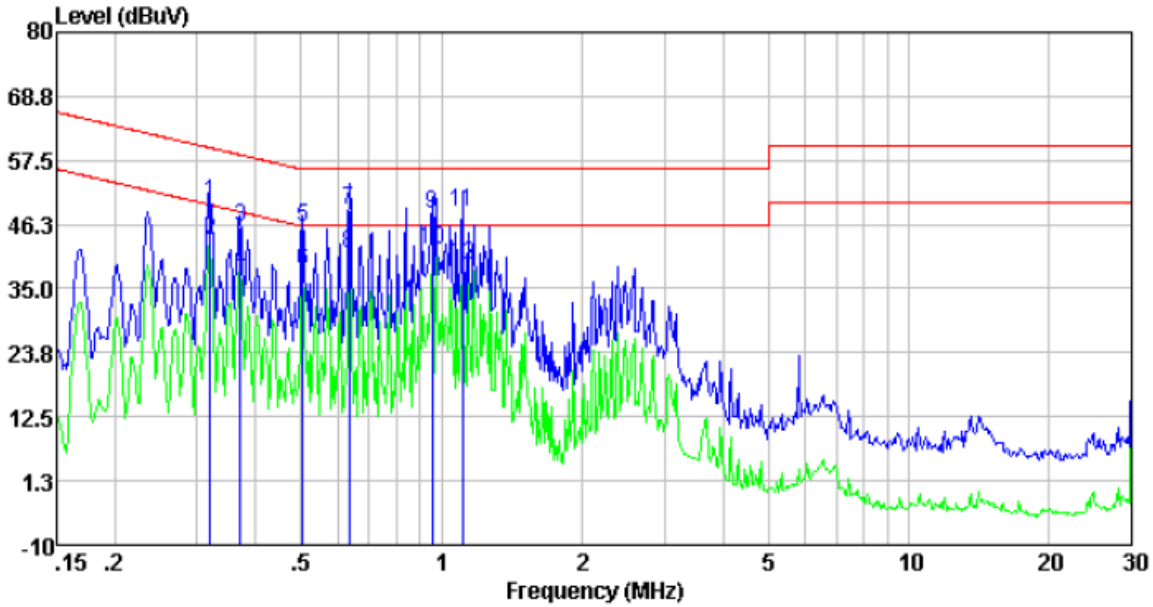
Pre-scan all test modes, found worst case at 2440MHz@ Ant 1, and so only show the test result of 2440MHz@ Ant 1

Line:



Freq	Reading level	LISN/ISN factor	Cable loss	Level	Limit level	Over limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.32	39.76	10.39	0.01	50.16	59.71	-9.55	QP
0.32	33.23	10.39	0.01	43.63	49.71	-6.08	Average
0.50	35.42	10.31	0.01	45.74	56.00	-10.26	QP
0.50	27.96	10.31	0.01	38.28	46.00	-7.72	Average
0.63	38.72	10.28	0.02	49.02	56.00	-6.98	QP
0.63	29.77	10.28	0.02	40.07	46.00	-5.93	Average
0.95	37.84	10.21	0.03	48.08	56.00	-7.92	QP
0.95	31.60	10.21	0.03	41.84	46.00	-4.16	Average
1.11	37.12	10.20	0.03	47.35	56.00	-8.65	QP
1.11	29.05	10.20	0.03	39.28	46.00	-6.72	Average
2.58	25.52	10.20	0.05	35.77	56.00	-20.23	QP
2.58	15.37	10.20	0.05	25.62	46.00	-20.38	Average

Neutral:

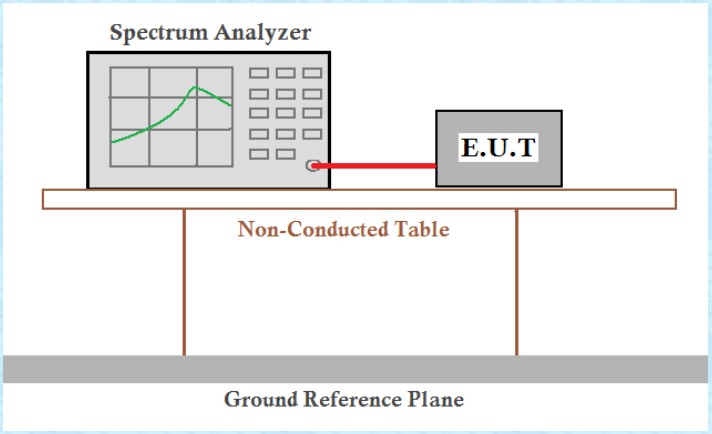


Freq	Reading level	LISN/ISN factor	Cable loss	Level	Limit level	Over limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.32	39.71	10.39	0.01	50.11	59.71	-9.60	QP
0.32	33.22	10.39	0.01	43.62	49.71	-6.09	Average
0.37	35.41	10.36	0.01	45.78	58.47	-12.69	QP
0.37	27.94	10.36	0.01	38.31	48.47	-10.16	Average
0.50	35.40	10.31	0.01	45.72	56.00	-10.28	QP
0.50	27.96	10.31	0.01	38.28	46.00	-7.72	Average
0.63	38.64	10.28	0.02	48.94	56.00	-7.06	QP
0.63	30.75	10.28	0.02	41.05	46.00	-4.95	Average
0.95	37.88	10.21	0.03	48.12	56.00	-7.88	QP
0.95	31.64	10.21	0.03	41.88	46.00	-4.12	Average
1.11	38.10	10.20	0.03	48.33	56.00	-7.67	QP
1.11	29.02	10.20	0.03	39.25	46.00	-6.75	Average

Notes:

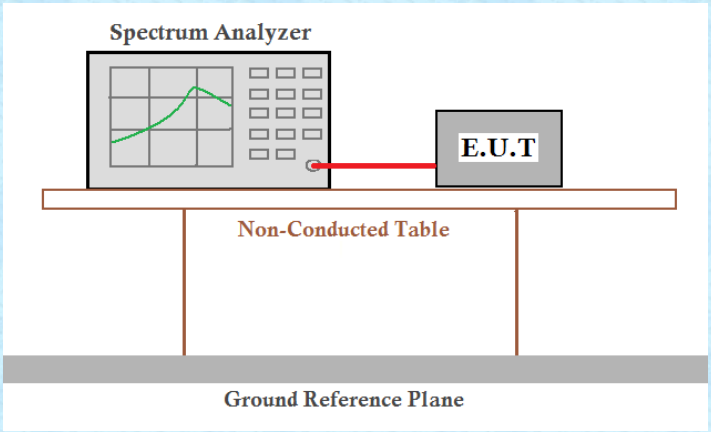
1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss*
4. *If the average limit is met when using 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(a)(1)
Test Method:	ANSI C63.10:2013
Limit:	20.97dBm
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

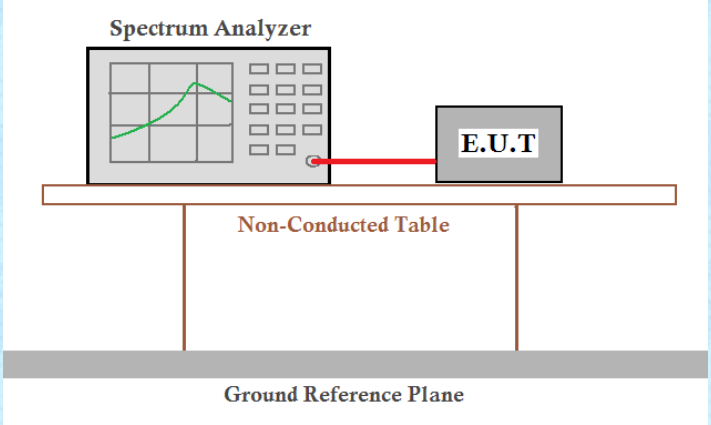
Measurement Data: The detailed test data see Appendix for 2.4G.

7.4 20dB Emission Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Limit:	N/A
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

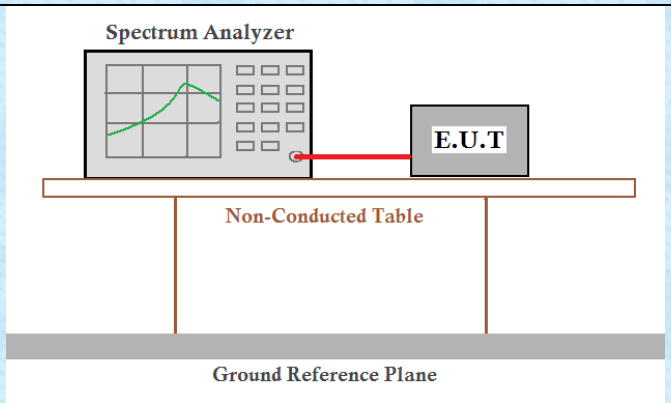
Measurement Data: The detailed test data see Appendix for 2.4G.

7.5 Carrier Frequencies Separation

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100KHz, VBW=300KHz, detector=Peak
Limit:	0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater)
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

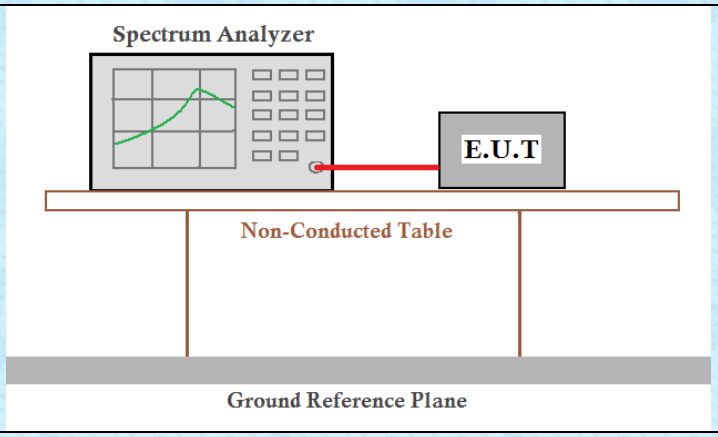
Measurement Data: The detailed test data see Appendix for 2.4G.

7.6 Hopping Channel Number

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak
Limit:	15 channels
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: The detailed test data see Appendix for 2.4G.

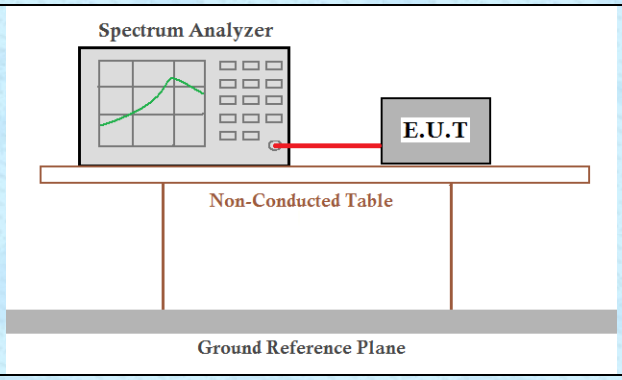
7.7 Dwell Time

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak
Limit:	0.4 Second
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: The detailed test data see Appendix for 2.4G.

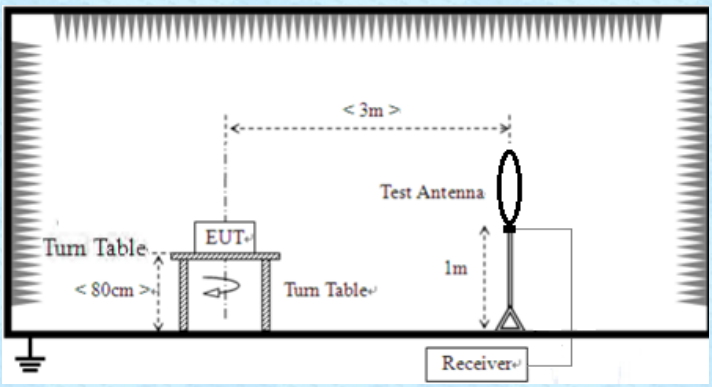
7.8 Spurious Emission in Non-restricted & restricted Bands

7.8.1 Conducted Emission Method

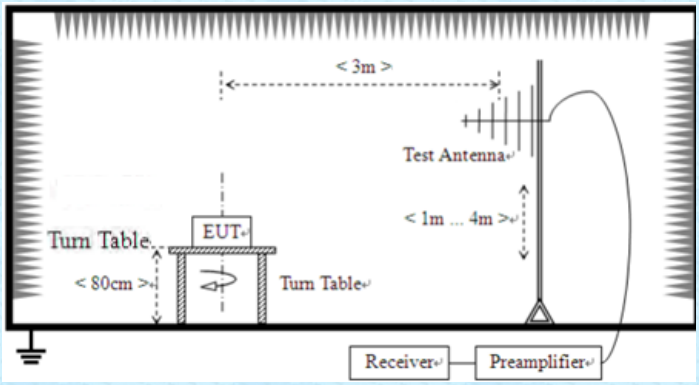
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100kHz, VBW=300kHz, Detector=Peak
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by 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 section6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

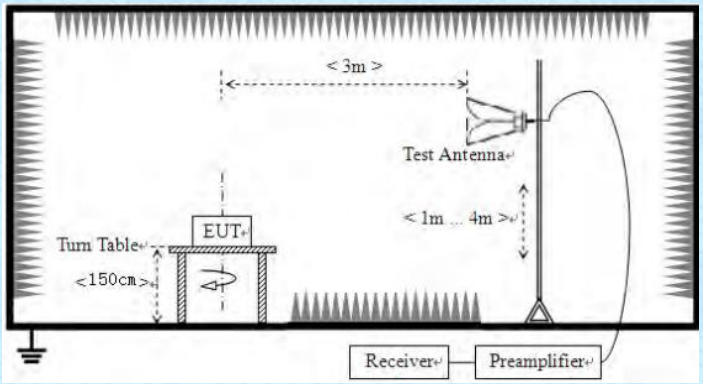
Measurement Data: The detailed test data see Appendix for 2.4G.

7.8.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10:2013</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>Limit:
(Spurious Emissions)</td><td>
<table>
<tr><th>Frequency</th><th>Limit (uV/m)</th><th>Value</th><th>Measurement Distance</th></tr>
<tr><td>0.009MHz-0.490MHz</td><td>2400/F(KHz)</td><td>QP</td><td>300m</td></tr>
<tr><td>0.490MHz-1.705MHz</td><td>24000/F(KHz)</td><td>QP</td><td>300m</td></tr>
<tr><td>1.705MHz-30MHz</td><td>30</td><td>QP</td><td>30m</td></tr>
<tr><td>30MHz-88MHz</td><td>100</td><td>QP</td><td rowspan="6">3m</td></tr>
<tr><td>88MHz-216MHz</td><td>150</td><td>QP</td></tr>
<tr><td>216MHz-960MHz</td><td>200</td><td>QP</td></tr>
<tr><td>960MHz-1GHz</td><td>500</td><td>QP</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>500</td><td>Average</td></tr>
<tr><td>5000</td><td>Peak</td></tr>
</table>
</td></tr>
<tr><td>Test setup:</td><td>Below 30MHz
 

Below 1GHz</td></tr>
</table>

<table>
<tr><td></td><td>


Above 1GHz


</td></tr>
<tr><td>Test Procedure:</td><td>1. The EUT was placed on the top of a rotating table (0.8 meters for below 1GHz and 1.5meters for above 1GHz) 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.</td></tr>
<tr><td>Test Instruments:</td><td colspan="6">Refer to section 5.8 for details</td></tr>
<tr><td>Test mode:</td><td colspan="6">Refer to section 5.2 for details</td></tr>
<tr><td>Temp. / Hum.</td><td>Temp.:</td><td>25 °C</td><td>Humid.:</td><td>52%</td><td>Press.:</td><td>1 012mbar</td></tr>
</table>

Test results:	Pass

Remark:

1. 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:

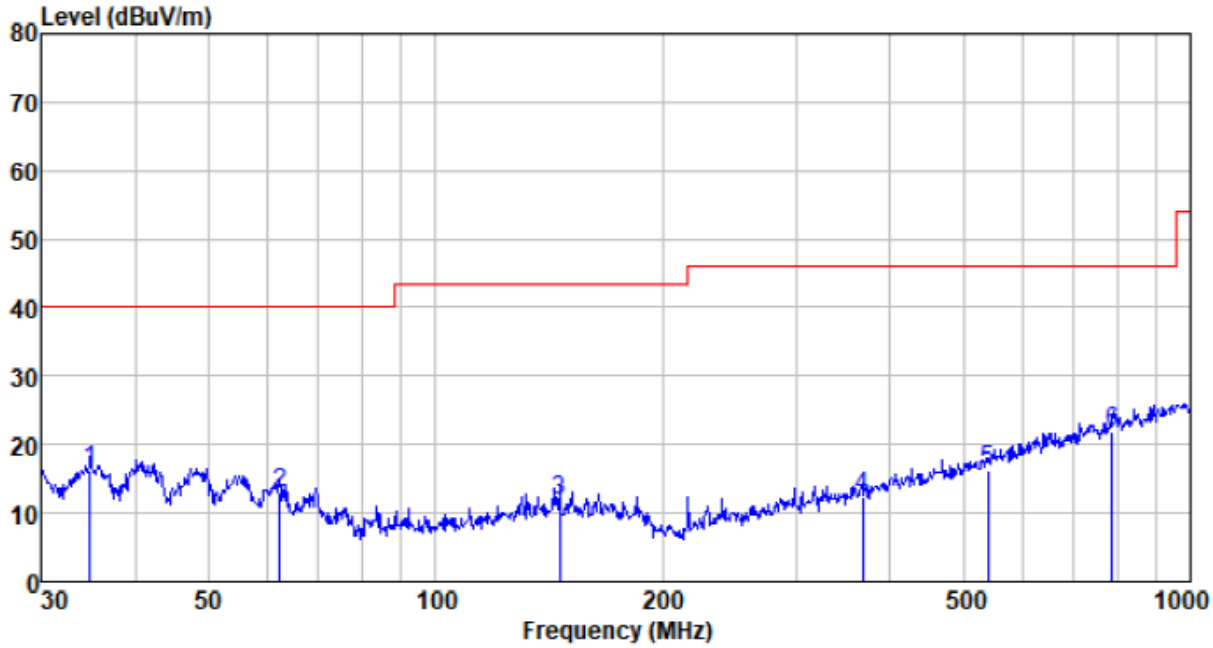
■ **Below 30MHz**

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

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

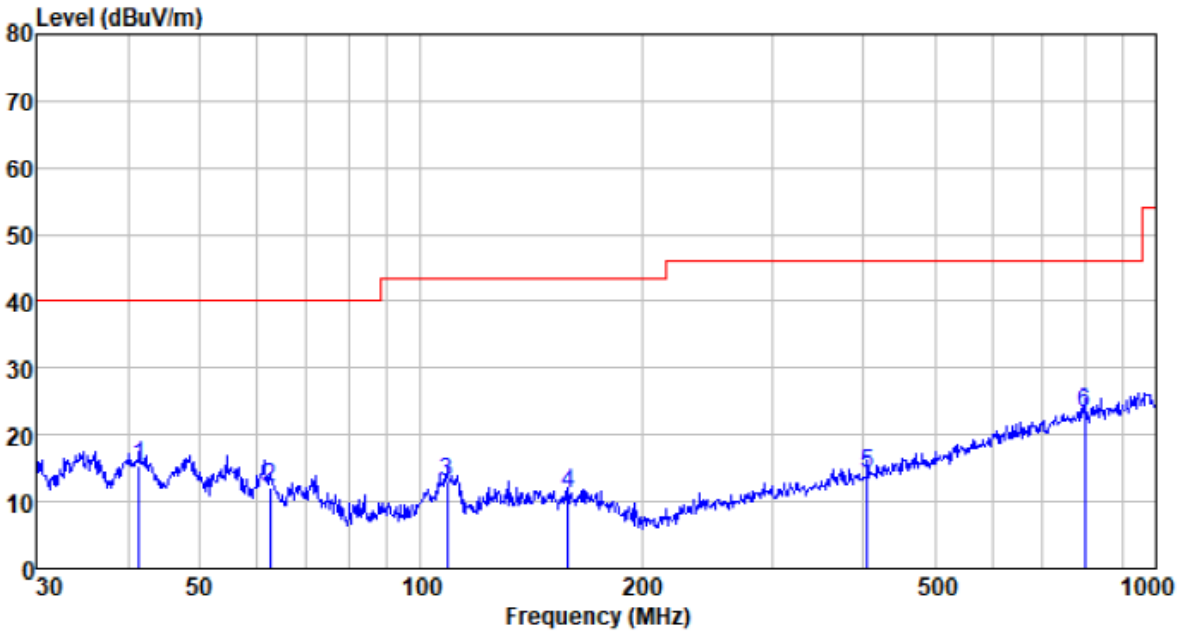
■ **30MHz ~ 1GHz**

Test channel:	Lowest	Polarization:	Horizontal



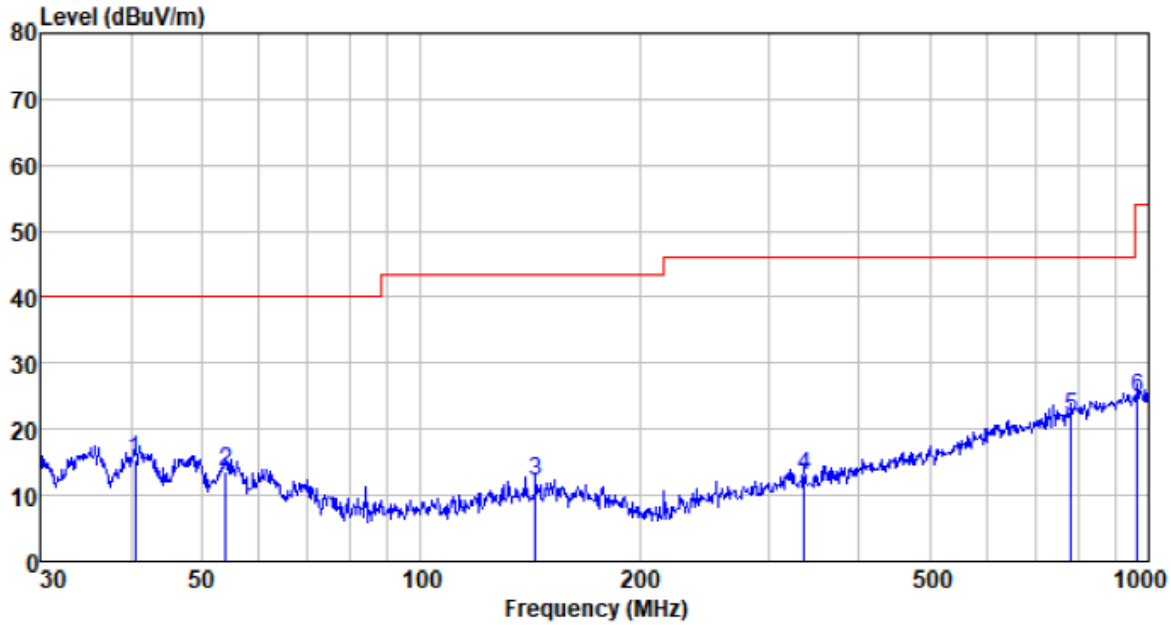
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
34.882	38.53	12.49	0.61	35.35	16.28	40.00	-23.72	QP
62.213	36.40	11.93	0.88	36.35	12.86	40.00	-27.14	QP
145.861	34.91	12.48	1.54	37.05	11.88	43.50	-31.62	QP
368.112	33.20	14.01	2.71	37.49	12.43	46.00	-33.57	QP
539.478	32.51	17.62	3.48	37.52	16.09	46.00	-29.91	QP
787.851	33.05	22.07	4.41	37.62	21.91	46.00	-24.09	QP

Test channel:	Lowest	Polarization:	Vertical



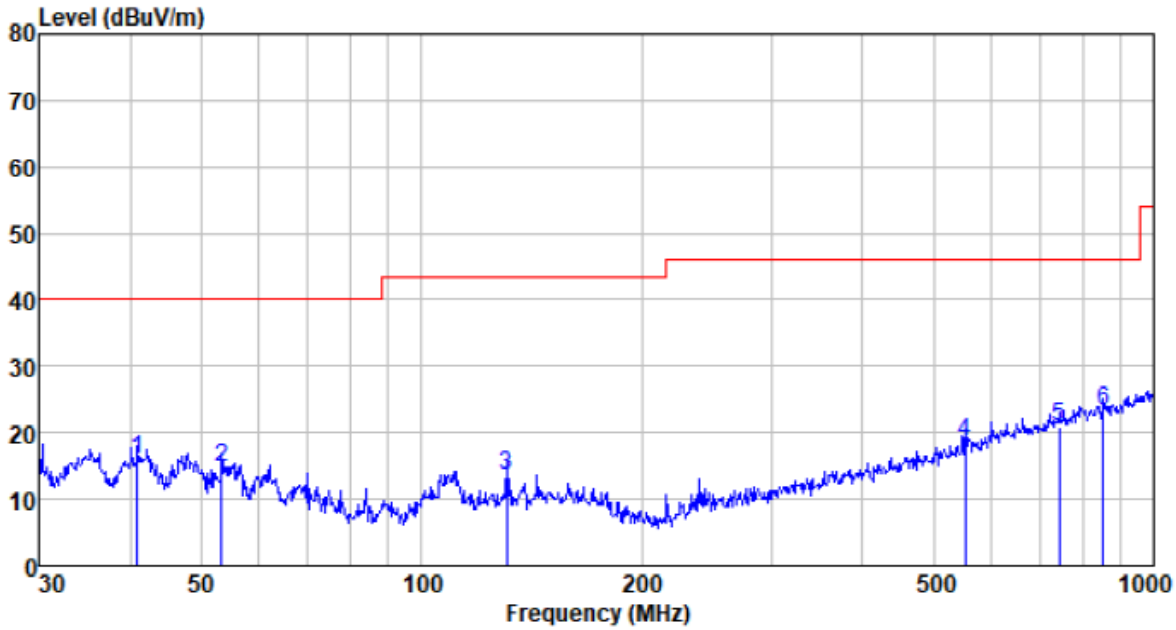
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
41.422	37.28	13.17	0.68	35.75	15.38	40.00	-24.62	QP
62.431	35.77	11.89	0.88	36.35	12.19	40.00	-27.81	QP
108.647	38.66	9.86	1.27	36.79	13.00	43.50	-30.50	QP
158.668	33.90	12.77	1.62	37.13	11.16	43.50	-32.34	QP
404.667	34.03	14.82	2.88	37.52	14.21	46.00	-31.79	QP
798.980	34.36	22.23	4.45	37.62	23.42	46.00	-22.58	QP

Test channel:	Middle	Polarization:	Horizontal



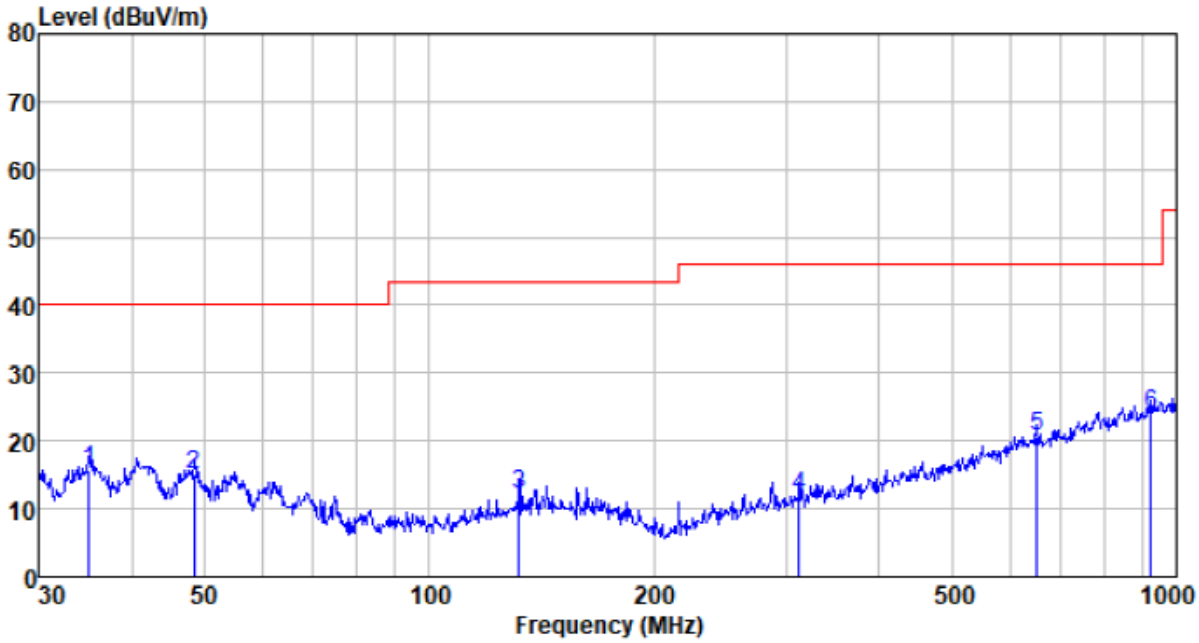
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
40.559	37.18	13.23	0.67	35.70	15.38	40.00	-24.62	QP
53.882	36.37	12.66	0.81	36.24	13.60	40.00	-26.40	QP
143.830	35.22	12.32	1.53	37.04	12.03	43.50	-31.47	QP
336.035	34.49	13.30	2.55	37.46	12.88	46.00	-33.12	QP
782.345	33.07	22.00	4.40	37.62	21.85	46.00	-24.15	QP
965.542	33.36	23.99	5.09	37.54	24.90	54.00	-29.10	QP

Test channel:	Middle	Polarization:	Vertical



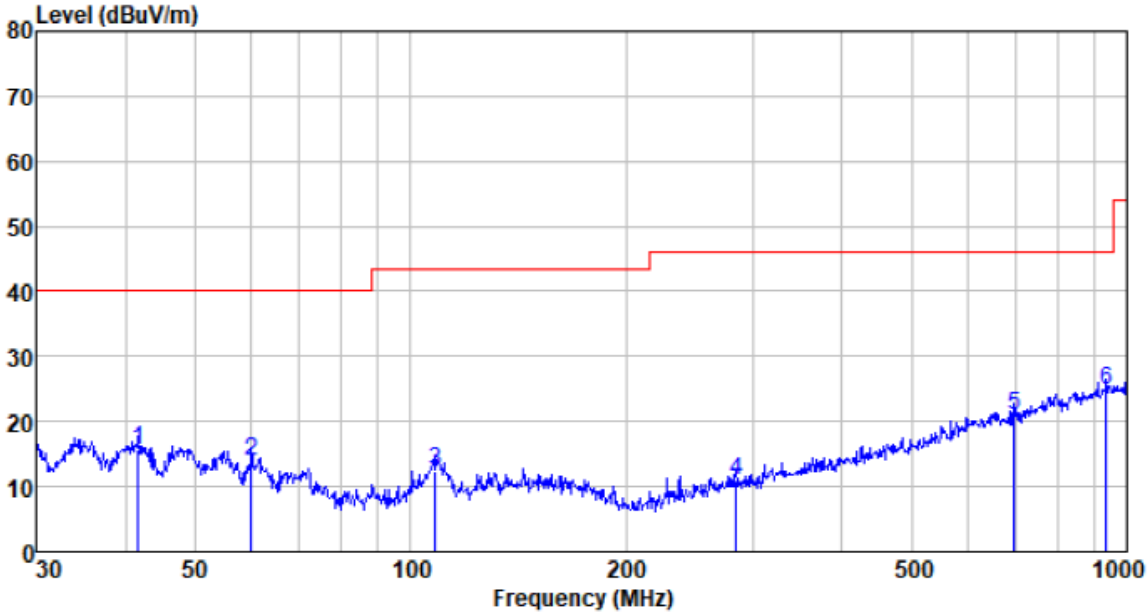
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
40.845	37.77	13.21	0.67	35.71	15.94	40.00	-24.06	QP
53.318	37.43	12.71	0.80	36.23	14.71	40.00	-25.29	QP
130.837	37.52	11.66	1.44	36.96	13.66	43.50	-29.84	QP
552.883	34.67	18.00	3.53	37.53	18.67	46.00	-27.33	QP
742.259	32.94	21.37	4.24	37.63	20.92	46.00	-25.08	QP
854.025	33.52	22.62	4.68	37.61	23.21	46.00	-22.79	QP

Test channel:	Highest	Polarization:	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	
35.005	37.99	12.50	0.61	35.36	15.74	40.00	-24.26	QP
48.502	37.34	13.02	0.76	36.11	15.01	40.00	-24.99	QP
131.758	35.87	11.70	1.45	36.96	12.06	43.50	-31.44	QP
312.179	34.09	12.75	2.42	37.43	11.83	46.00	-34.17	QP
649.660	34.28	19.93	3.91	37.59	20.53	46.00	-25.47	QP
925.756	33.08	23.48	4.95	37.58	23.93	46.00	-22.07	QP

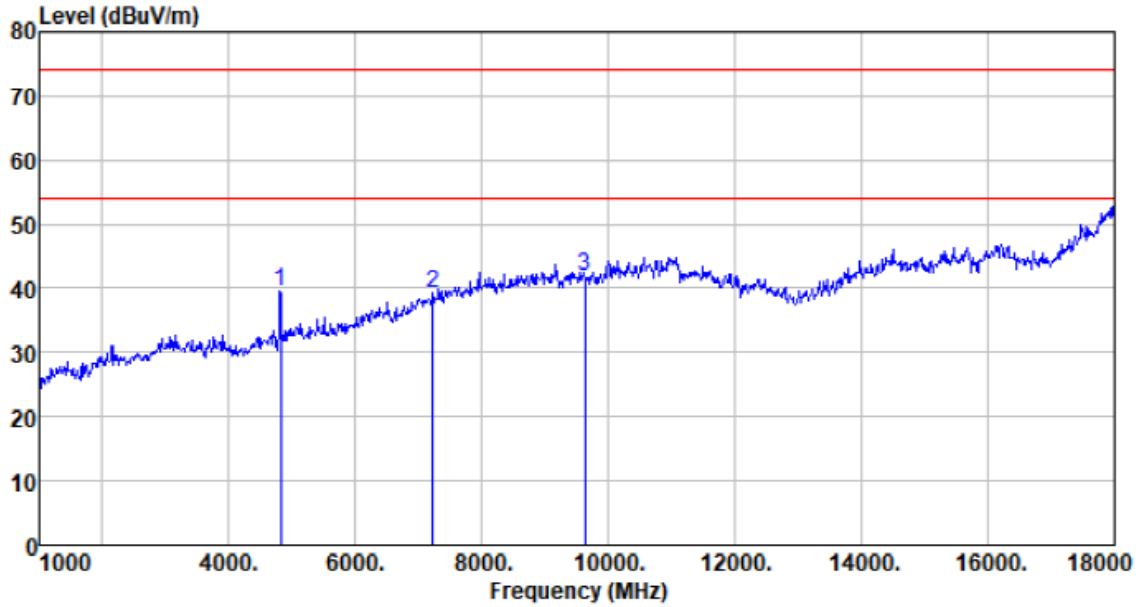
Test channel:	Highest	Polarization:	Vertical



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	
41.713	37.70	13.16	0.68	35.76	15.78	40.00	-24.22	QP
59.859	36.96	12.32	0.86	36.32	13.82	40.00	-26.18	QP
108.267	38.03	9.83	1.26	36.79	12.33	43.50	-31.17	QP
284.977	33.95	11.97	2.29	37.41	10.80	46.00	-35.20	QP
696.857	34.04	20.35	4.08	37.63	20.84	46.00	-25.16	QP
935.546	33.58	23.68	4.99	37.57	24.68	46.00	-21.32	QP

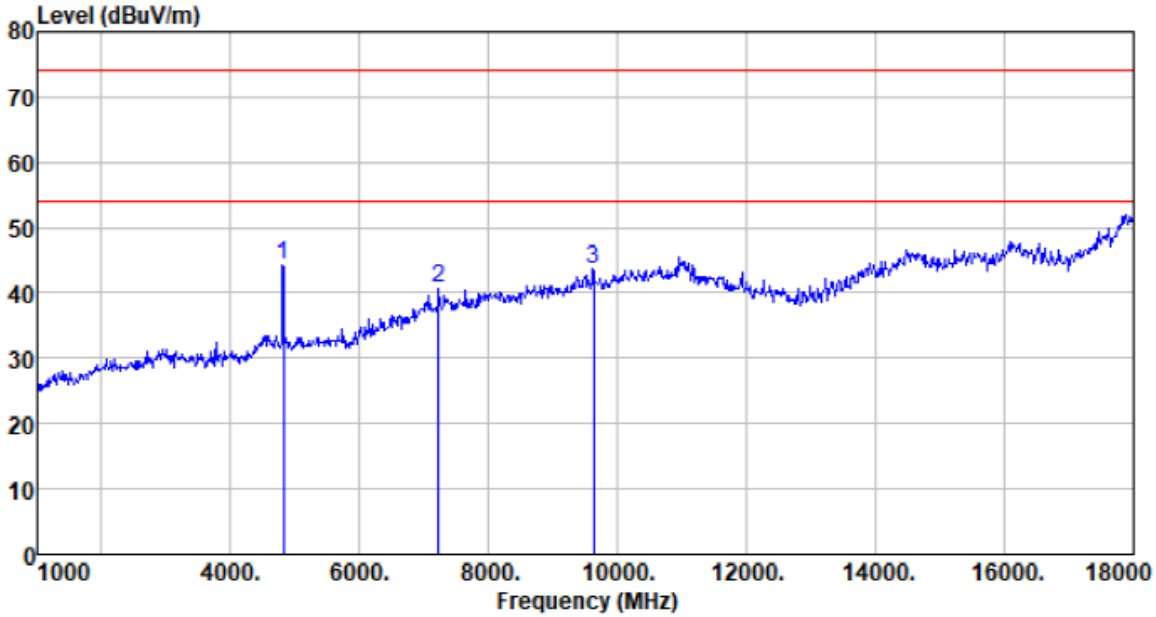
- **Unwanted Emissions in Restricted Frequency Bands**
- **Above 1GHz**

Test channel:	Lowest	Polarization:	Horizontal



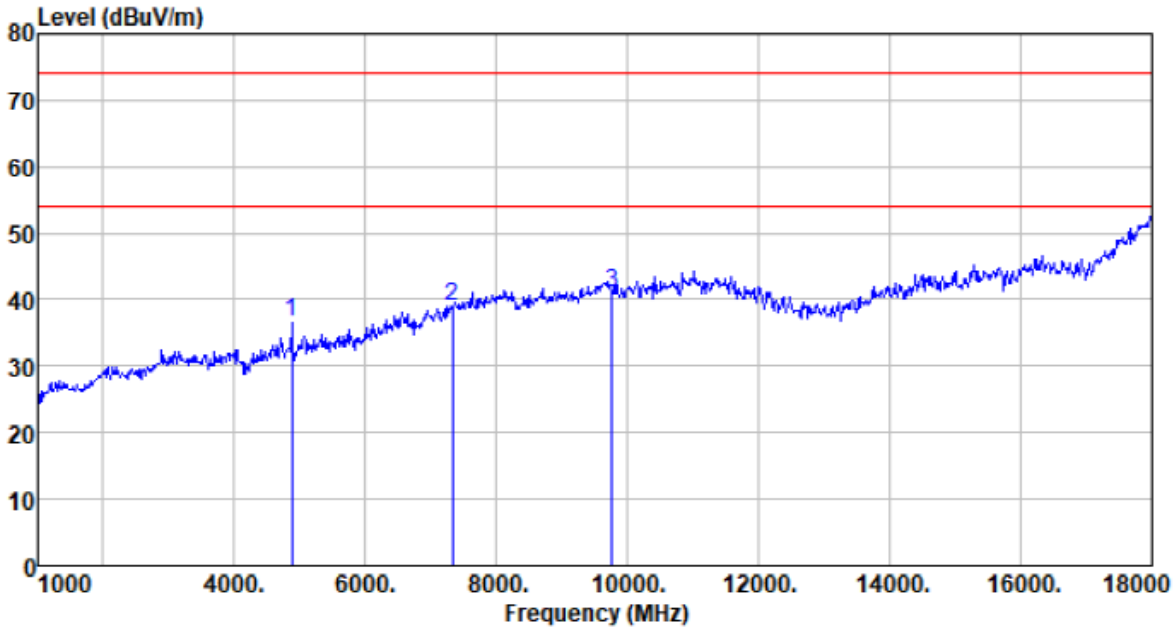
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4812.000	41.48	31.22	4.61	37.69	39.62	74.00	-34.38	Peak
7218.000	34.37	36.20	6.50	37.81	39.26	74.00	-34.74	Peak
9624.000	33.94	37.93	7.98	37.92	41.93	74.00	-32.07	Peak

Test channel:	Lowest	Polarization:	Vertical



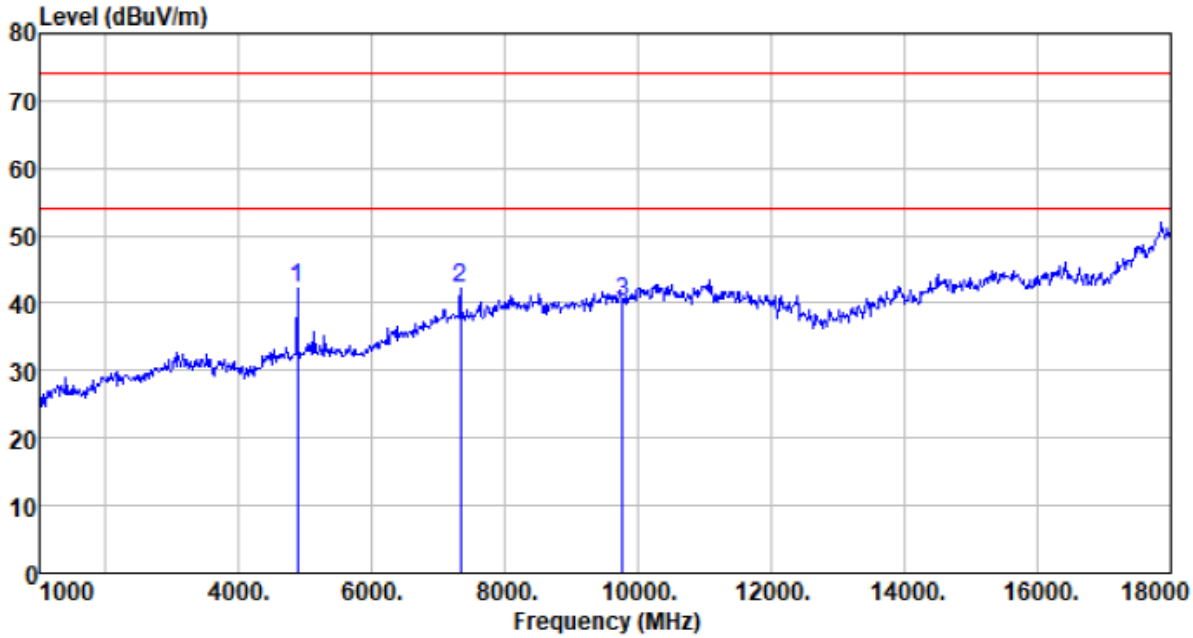
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4812.000	46.28	31.22	4.61	37.69	44.42	74.00	-29.58	Peak
7218.000	35.76	36.20	6.50	37.81	40.65	74.00	-33.35	Peak
9624.000	35.66	37.93	7.98	37.92	43.65	74.00	-30.35	Peak

Test channel:	Middle	Polarization:	Horizontal



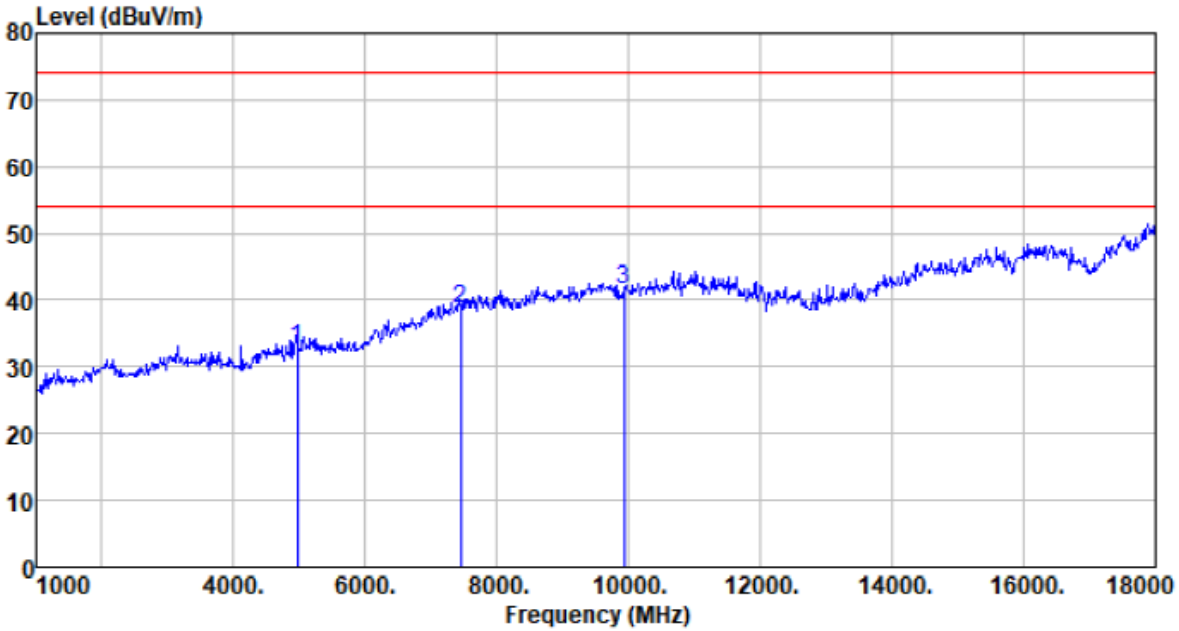
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4880.000	38.12	31.31	4.69	37.62	36.50	74.00	-37.50	Peak
7320.000	33.72	36.43	6.63	37.77	39.01	74.00	-34.99	Peak
9760.000	32.81	38.10	8.03	37.95	40.99	74.00	-33.01	Peak

Test channel:	Middle	Polarization:	Vertical



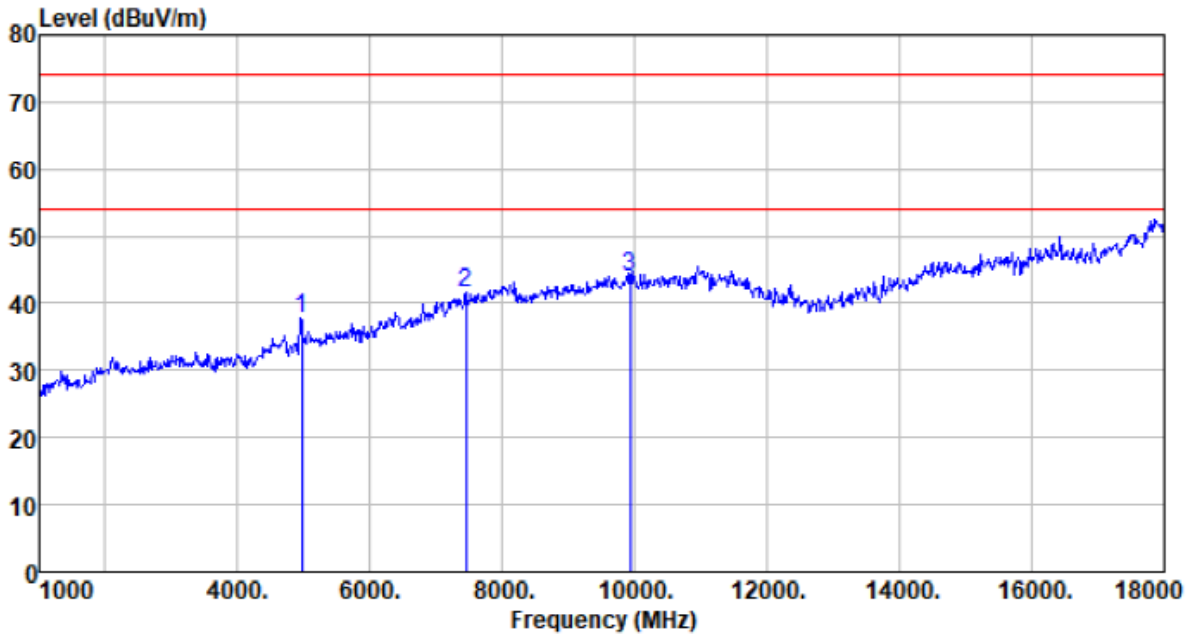
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
4880.000	43.71	31.31	4.69	37.62	42.09	74.00	-31.91	Peak
7320.000	36.82	36.43	6.63	37.77	42.11	74.00	-31.89	Peak
9760.000	31.99	38.10	8.03	37.95	40.17	74.00	-33.83	Peak

Test channel:	Highest	Polarization:	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	
4960.000	34.03	31.44	4.79	37.54	32.72	74.00	-41.28	Peak
7440.000	33.05	36.66	6.77	37.72	38.76	74.00	-35.24	Peak
9920.000	33.13	38.30	8.09	37.98	41.54	74.00	-32.46	Peak

Test channel:	Highest	Polarization:	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	
4960.000	38.96	31.44	4.79	37.54	37.65	74.00	-36.35	Peak
7440.000	36.05	36.66	6.77	37.72	41.76	74.00	-32.24	Peak
9920.000	35.52	38.30	8.09	37.98	43.93	74.00	-30.07	Peak

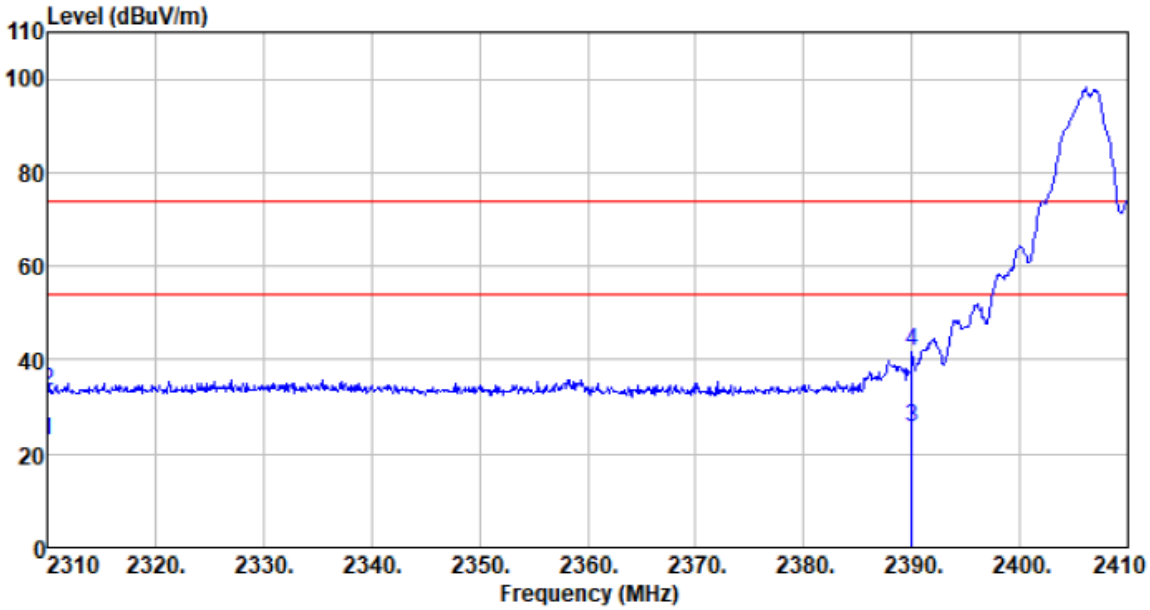
Remark:

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.*
4. *For above 18GHz，no emission found.*

Unwanted Emissions in Non-restricted Frequency Bands

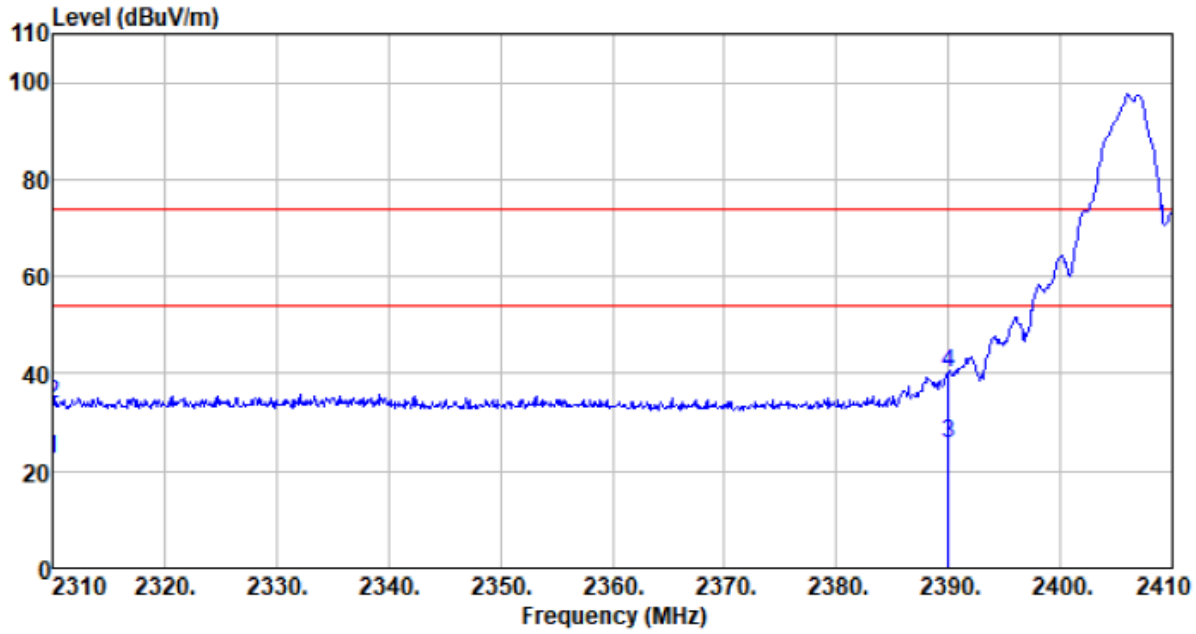
ANT 1:

Test channel:	Lowest	Polarization:	Horizontal



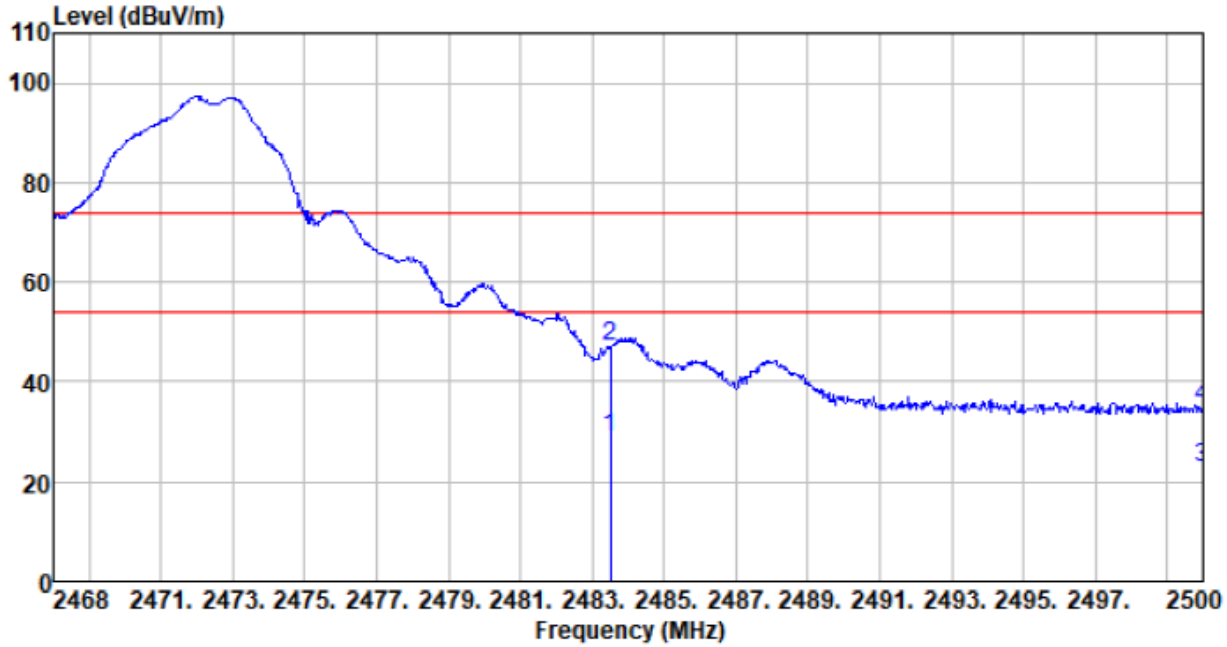
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2310.000	31.25	27.14	2.81	38.64	22.56	54.00	-31.44	Average
2310.000	41.88	27.14	2.81	38.64	33.19	74.00	-40.81	Peak
2390.000	34.05	27.37	2.91	38.84	25.49	54.00	-28.51	Average
2390.000	50.29	27.37	2.91	38.84	41.73	74.00	-32.27	Peak

Test channel:	Lowest	Polarization:	Vertical



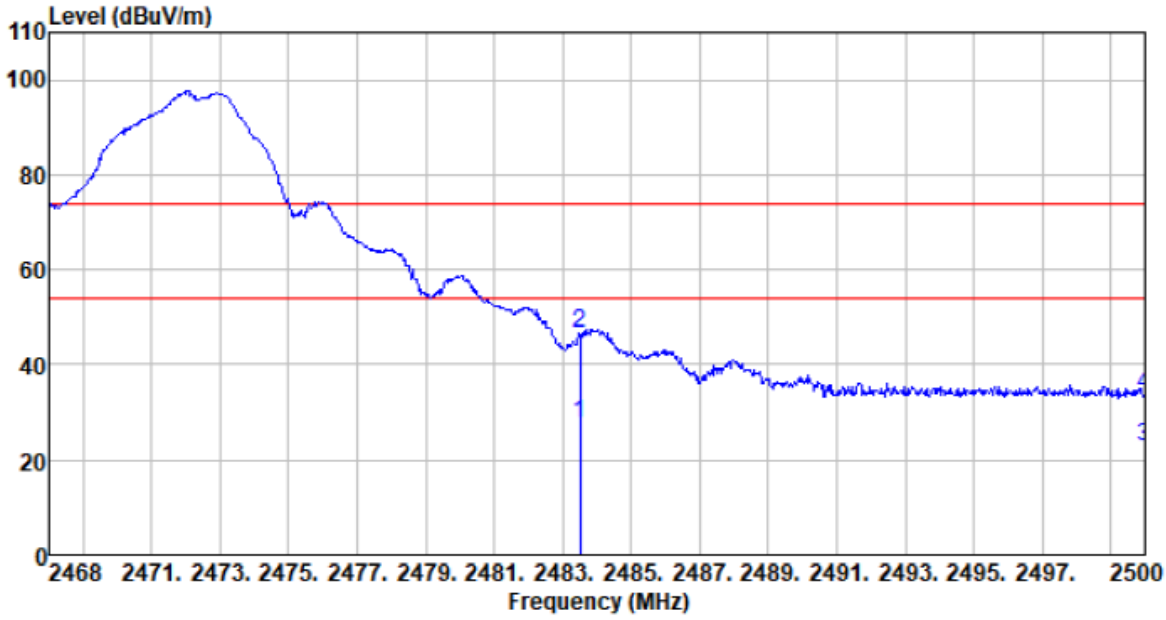
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2310.000	31.08	27.14	2.81	38.64	22.39	54.00	-31.61	Average
2310.000	42.35	27.14	2.81	38.64	33.66	74.00	-40.34	Peak
2390.000	33.94	27.37	2.91	38.84	25.38	54.00	-28.62	Average
2390.000	48.86	27.37	2.91	38.84	40.30	74.00	-33.70	Peak

Test channel:	Highest	Polarization:	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	37.26	27.66	2.99	39.06	28.85	54.00	-25.15	Average
2483.500	55.29	27.66	2.99	39.06	46.88	74.00	-27.12	Peak
2500.000	31.14	27.70	3.01	39.10	22.75	54.00	-31.25	Average
2500.000	43.25	27.70	3.01	39.10	34.86	74.00	-39.14	Peak

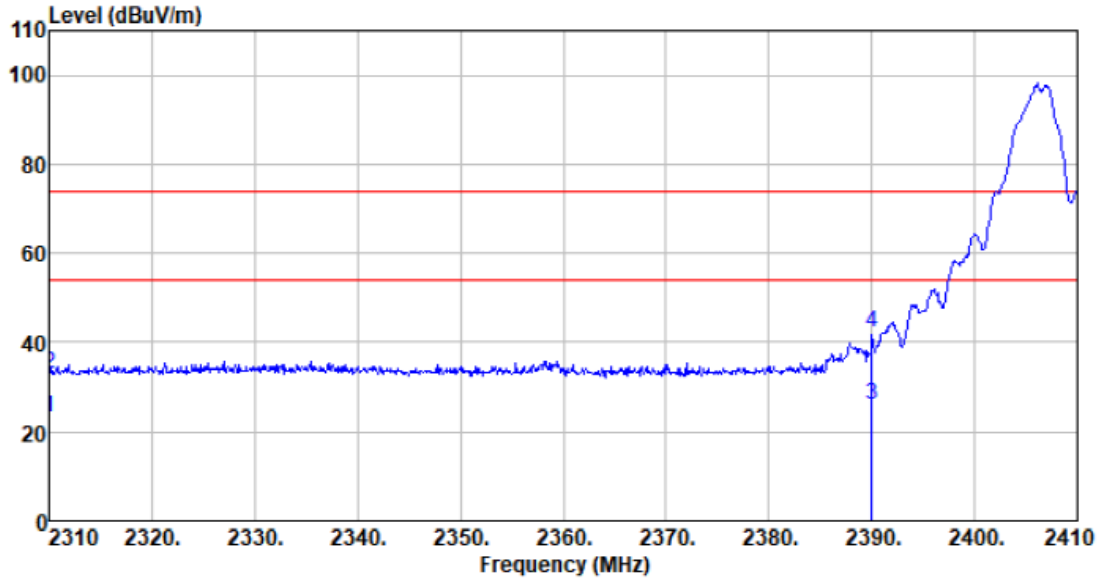
Test channel:	Highest	Polarziation:	Vertical



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	35.92	27.66	2.99	39.06	27.51	54.00	-26.49	Average
2483.500	55.04	27.66	2.99	39.06	46.63	74.00	-27.37	Peak
2500.000	31.05	27.70	3.01	39.10	22.66	54.00	-31.34	Average
2500.000	42.27	27.70	3.01	39.10	33.88	74.00	-40.12	Peak

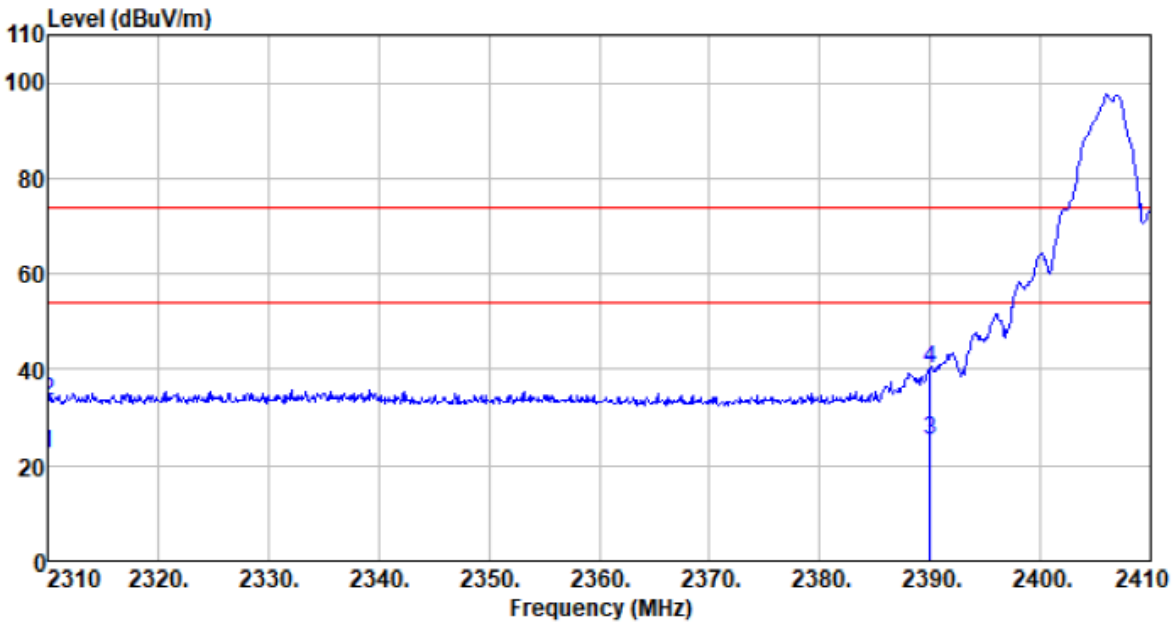
ANT 2:

Test channel:	Lowest	Polarization:	Horizontal



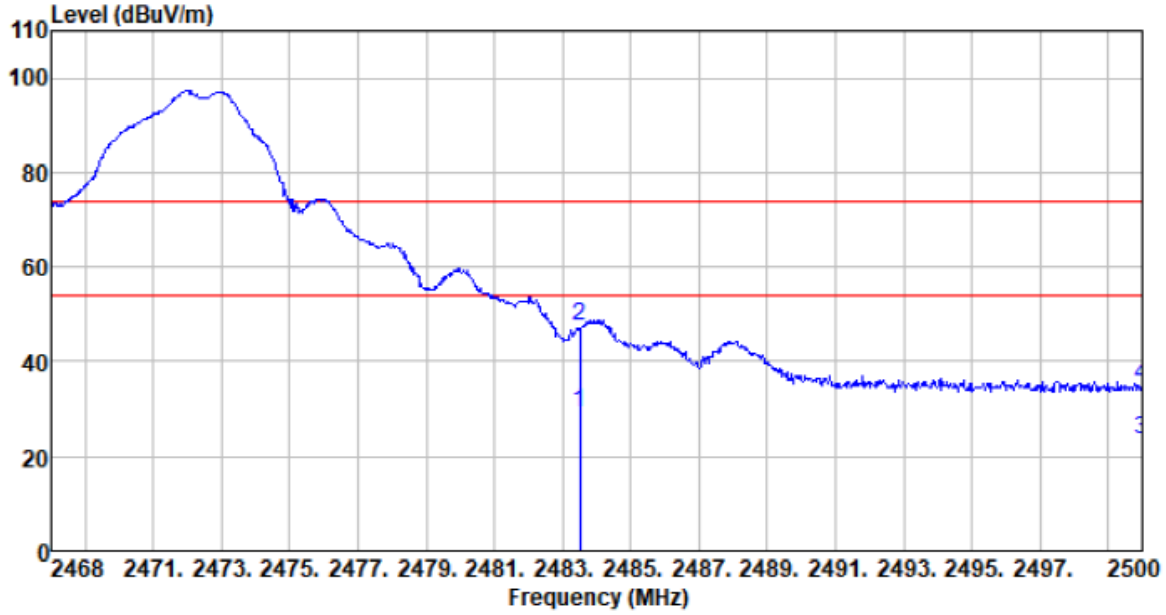
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.73	27.14	2.81	38.64	23.04	54.00	-30.96	Average
2310.000	41.58	27.14	2.81	38.64	32.89	74.00	-41.11	Peak
2390.000	34.45	27.37	2.91	38.84	25.89	54.00	-28.11	Average
2390.000	50.64	27.37	2.91	38.84	42.08	74.00	-31.92	Peak

Test channel:	Lowest	Polarization:	Vertical



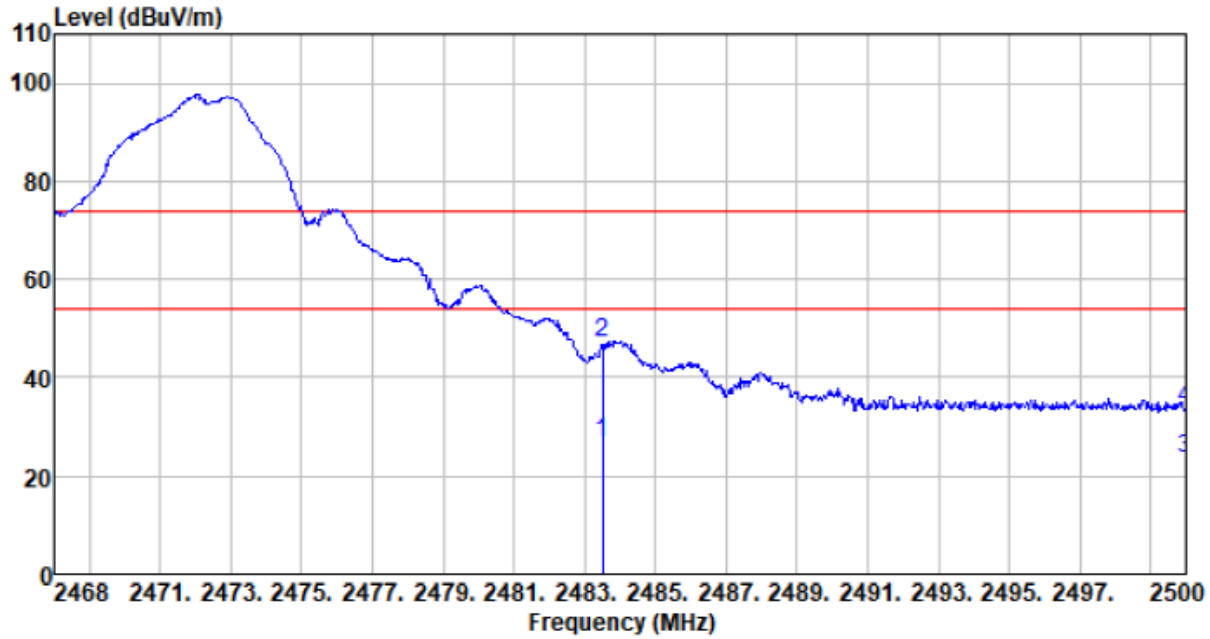
Freq	Reading level	Antenna factor	Cable loss	Preamp factor	level	Limit level	Over limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
2310.000	31.18	27.14	2.81	38.64	22.49	54.00	-31.51	Average
2310.000	42.14	27.14	2.81	38.64	33.45	74.00	-40.55	Peak
2390.000	33.54	27.37	2.91	38.84	24.98	54.00	-29.02	Average
2390.000	48.55	27.37	2.91	38.84	39.99	74.00	-34.01	Peak

Test channel:	Highest	Polarization:	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	37.53	27.66	2.99	39.06	29.12	54.00	-24.88	Average
2483.500	55.92	27.66	2.99	39.06	47.51	74.00	-26.49	Peak
2500.000	31.78	27.70	3.01	39.10	23.39	54.00	-30.61	Average
2500.000	43.18	27.70	3.01	39.10	34.79	74.00	-39.21	Peak

Test channel:	Highest	Polarziation:	Vertical



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	35.03	27.66	2.99	39.06	26.62	54.00	-27.38	Average
2483.500	55.47	27.66	2.99	39.06	47.06	74.00	-26.94	Peak
2500.000	31.75	27.70	3.01	39.10	23.36	54.00	-30.64	Average
2500.000	42.08	27.70	3.01	39.10	33.69	74.00	-40.31	Peak

Remarks:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

8 Test Setup Photo

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

9 EUT Constructional Details

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

---End---