

TEST REPORT

Applicant: Shantou Xintuo Intelligent Technology Co., Ltd.

Address of Applicant: Fengxiang Street, Donghu Qiaohong Road, Chenghai District, Shantou, China

Manufacturer/Factory: Shantou Xintuo Intelligent Technology Co., Ltd.

Address of Manufacturer/Factory: Fengxiang Street, Donghu Qiaohong Road, Chenghai District, Shantou, China

Equipment Under Test (EUT)

Product Name: Quadcopters

Model No.: C68, X80, X28, X29, X30, X31, X33, X50, X60, X61, X62, X65, X66, X80, X69, X81, X82, X83, X85, X86, X87, X88, X89, X90, X39, L6082, X38, X39, HK22, HK33, HK66, HK55, HK88, HK99, DI1, DI2, DI3, DI5, DI6, DI8, DI9, DI99, DI98, PK01, PK02, PK03, PK05, PK06, G110, G120, G130, G150, G160, G170, G180, G190, P100, P200, P300, P500, P600, P800, P900

FCC ID: 2BF7B-XT-K-DC

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.249

Date of sample receipt: September 01, 2025

Date of Test: September 02-05, 2025

Date of report issued: September 05, 2025

Test Result : PASS *

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

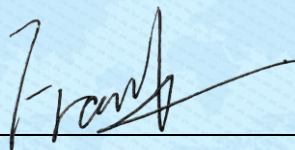
Authorized Signature:

Robinson Luo
Laboratory Manager

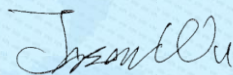
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2 Version

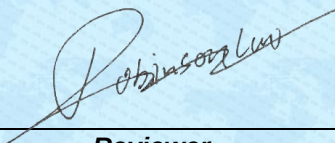
Version No.	Date	Description
00	September 05, 2025	Original

Tested By:**Test Engineer****Date:**

September 05, 2025

Prepared By:**Project Engineer****Date:**

September 05, 2025

Check By:**Reviewer****Date:**

September 05, 2025

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	N/A
Field strength of the fundamental signal	15.249 (a)	Pass
Spurious emissions	15.249 (a) (d)/15.209	Pass
Band edge	15.249 (d)/15.205	Pass
20dB Occupied Bandwidth	15.215 (c)	Pass

Remarks:

1. Test according to ANSI C63.10:2013.
2. Pass: The EUT complies with the essential requirements in the standard.
3. N/A: not applicable

4.1 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 3\text{dB}$
6	Conducted Spurious emissions	$\pm 2.58\text{dB}$
7	AC Power Line Conducted Emission	$\pm 3.44\text{dB}$ (0.15MHz ~ 30MHz)
8	Radiated Spurious emission test	$\pm 3.1\text{dB}$ (9kHz-30MHz)
		$\pm 3.8039\text{dB}$ (30MHz-200MHz)
		$\pm 3.9679\text{dB}$ (200MHz-1GHz)
		$\pm 4.29\text{dB}$ (1GHz-18GHz)
		$\pm 3.30\text{dB}$ (18GHz-40GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Time	$\pm 3\%$

5 General Information

5.1 General Description of EUT

Product Name:	Quadcopters
Model No.:	C68, X80, X28, X29, X30, X31, X33, X50, X60, X61, X62, X65, X66, X80, X69, X81, X82, X83, X85, X86, X87, X88, X89, X90, X39, L6082, X38, X39, HK22, HK33, HK66, HK55, HK88, HK99, DI1, DI2, DI3, DI5, DI6, DI8, DI9, DI99, DI98, PK01, PK02, PK03, PK05, PK06, G110, G120, G130, G150, G160, G170, G180, G190, P100, P200, P300, P500, P600, P800, P900
Test Model No.:	C68
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The differences are appearance color, packing and model name for commercial purpose.	
Serial No.:	N/A
Test sample(s) ID:	GTS2025090017-1
Sample(s) Status	Engineered sample
Operation Frequency:	2410MHz~2470MHz
Channel Numbers:	61
Modulation Type:	GFSK
Antenna Type:	Wire Antenna
Antenna gain:	0.17dBi(declare by applicant)
Power supply:	DC 4.5V(3*1.5V Size“AAA” Battery)

Disclaimer statement:

1. Antenna gain information provided by the customer, and the laboratory is not responsible for its authenticity.
2. The information in this section is provided by the applicant or manufacturer, GTS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Operation Frequency each of channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2410	16	2426	32	2442	48	2458
1	2411	17	2427	33	2443	49	2459
2	2412	18	2428	34	2444	50	2460
3	2413	19	2429	35	2445	51	2461
4	2414	20	2430	36	2446	52	2462
5	2415	21	2431	37	2447	53	2463
6	2416	22	2432	38	2448	54	2464
7	2417	23	2433	39	2449	55	2465
8	2418	24	2434	40	2450	56	2466
9	2419	25	2435	41	2451	57	2467
10	2420	26	2436	42	2452	58	2468
11	2421	27	2437	43	2453	59	2469
12	2422	28	2438	44	2454	60	2470
13	2423	29	2439	45	2455		
14	2424	30	2440	46	2456		
15	2425	31	2441	47	2457		

The test frequencies are below:

Channel	Frequency
The lowest channel	2410MHz
The middle channel	2440MHz
The Highest channel	2470MHz

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode.
Remark: New battery is used during all test.	

Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report (Only show the worst case:Y axis) and defined as follows:

Axis	X	Y	Z
Field Strength(dBuV/m)	89.30	90.70	88.57

5.3 Description of Support Units

None.

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**

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.

- **ISED—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 ISED 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).

5.7 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

5.8 Additional Instructions

Test Software	Special test command provided by manufacturer
Power level setup	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	Apr. 11, 2025	Apr. 10, 2026
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	Apr. 12, 2025	Apr. 11, 2026
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Apr. 12, 2025	Apr. 11, 2026
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 11, 2025	Apr. 10, 2026
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Jul. 01, 2025	Jun. 30, 2026
7	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov.16, 2024	Nov.15, 2025
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 11, 2025	Apr. 10, 2026
9	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 11, 2025	Apr. 10, 2026
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	GTS691	Apr. 11, 2025	Apr. 10, 2026
11	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	Mar. 11, 2025	Mar. 10, 2026
12	Amplifier	/	LNA-1000-30S	GTS650	Apr. 11, 2025	Apr. 10, 2026
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 13, 2024	Nov. 12, 2025
14	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 11, 2025	Apr. 10, 2026
15	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 15, 2025	Apr. 14, 2026
16	RE cable 1	GTS	N/A	GTS675	Jul. 11, 2025	Jul. 10, 2026
17	RE cable 2	GTS	N/A	GTS676	Jul. 11, 2025	Jul. 10, 2026
18	RE cable 3	GTS	N/A	GTS677	Jul. 11, 2025	Jul. 10, 2026
19	RE cable 4	GTS	N/A	GTS678	Jul. 11, 2025	Jul. 10, 2026
20	RE cable 5	GTS	N/A	GTS679	Jul. 11, 2025	Jul. 10, 2026
21	RE cable 6	GTS	N/A	GTS680	Jul. 11, 2025	Jul. 10, 2026
22	RE cable 7	GTS	N/A	GTS681	Jul. 11, 2025	Jul. 10, 2026
23	RE cable 8	GTS	N/A	GTS682	Jul. 11, 2025	Jul. 10, 2026
24	EMI Test Software	AUDIX	E3-6.100614a	GTS725	N/A	N/A

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	Apr. 11, 2025	Apr. 10, 2026
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Apr. 12, 2025	Apr. 11, 2026
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	Apr. 11, 2025	Apr. 10, 2026
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	Apr. 11, 2025	Apr. 10, 2026
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 11, 2025	Apr. 10, 2026
6	Wideband Power Meter	Keysight	N1924A	GTS673	Apr. 11, 2025	Apr. 10, 2026
7	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 11, 2025	Apr. 10, 2026
8	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 11, 2025	Apr. 10, 2026
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 11, 2025	Apr. 10, 2026
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 15, 2025	Apr. 14, 2026

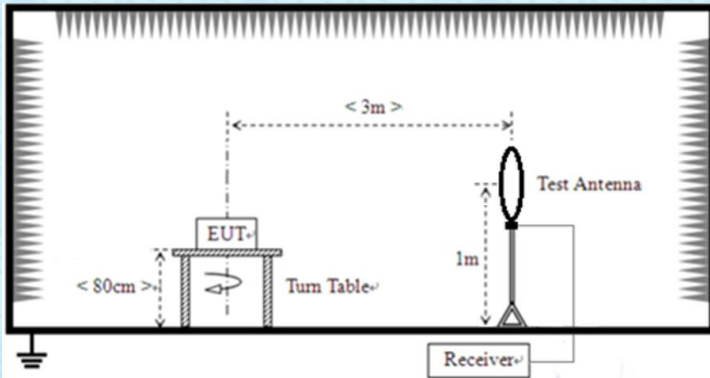
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 16, 2025	Jul. 15, 2026

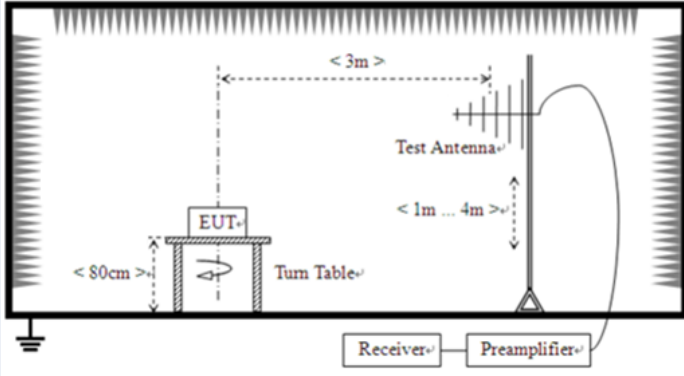
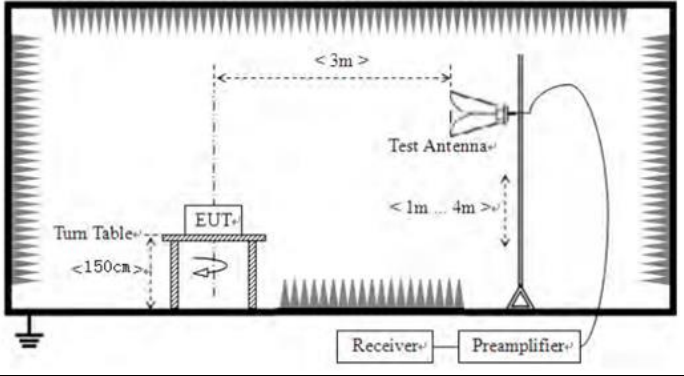
7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203
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 wire antenna, reference to the appendix II for details.	

7.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz-150kHz	Quasi-peak	200Hz	300Hz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	10kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit: (Field strength of the fundamental signal)	Frequency		Limit (dBuV/m @3m)		Remark
	2400MHz-2483.5MHz		94.00		Average Value
			114.00		Peak Value
Limit: (Spurious Emissions)	Frequency		Limit (uV/m)		Remark
	0.009MHz-0.490MHz		2400/F(kHz) @300m		Quasi-peak Value
	0.490MHz-1.705MHz		24000/F(kHz) @30m		Quasi-peak Value
	1.705MHz-30.0MHz		30 @30m		Quasi-peak Value
	30MHz-88MHz		100 @3m		Quasi-peak Value
	88MHz-216MHz		150 @3m		Quasi-peak Value
	216MHz-960MHz		200 @3m		Quasi-peak Value
	960MHz-1GHz		500 @3m		Quasi-peak Value
	Above 1GHz		500 @3m		Average Value
5000 @3m			Peak Value		
Limit: (band edge)	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.				
Test setup:	For radiated emissions from 9kHz to 30MHz				
					
	For radiated emissions from 30MHz to1GHz				

	 For radiated emissions above 1GHz 
Test Procedure:	

Measurement data:

7.2.1 Field Strength of The Fundamental Signal

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Final Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2410.00	93.54	27.14	4.16	39.40	85.44	114.00	-28.56	Vertical
2410.00	95.36	27.14	4.16	39.40	87.26	114.00	-26.74	Horizontal
2440.00	98.05	27.18	4.13	39.46	89.90	114.00	-24.10	Vertical
2440.00	98.85	27.18	4.13	39.46	90.70	114.00	-23.30	Horizontal
2470.00	97.68	27.22	4.11	39.51	89.50	114.00	-24.50	Vertical
2470.00	98.65	27.22	4.11	39.51	90.47	114.00	-23.53	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Final Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2410.00	83.19	27.14	4.16	39.40	75.09	94.00	-18.91	Vertical
2410.00	85.01	27.14	4.16	39.40	76.91	94.00	-17.09	Horizontal
2440.00	87.70	27.18	4.13	39.46	79.55	94.00	-14.45	Vertical
2440.00	88.50	27.18	4.13	39.46	80.35	94.00	-13.65	Horizontal
2470.00	87.33	27.22	4.11	39.51	79.15	94.00	-14.85	Vertical
2470.00	88.30	27.22	4.11	39.51	80.12	94.00	-13.88	Horizontal

Note:

1. For fundamental frequency , RBW>20dB BW, VBW>=RBW, PK detector for PK value, RMS detector for AV value
2. Final Level(dBuV/m)=Reading level(dBuV)+Antenna Factor(dB/m)+Cable Loss(dB)–Preamplifier Factor(dB)

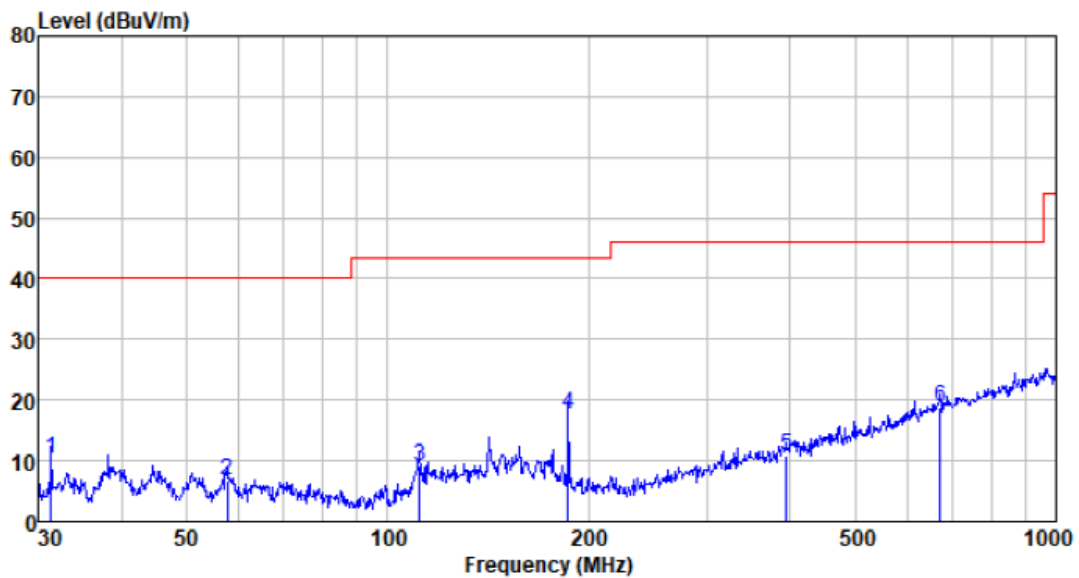
7.2.2 Spurious emissions

■ Below 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), the test result no need to reported.

■ Below 1GHz

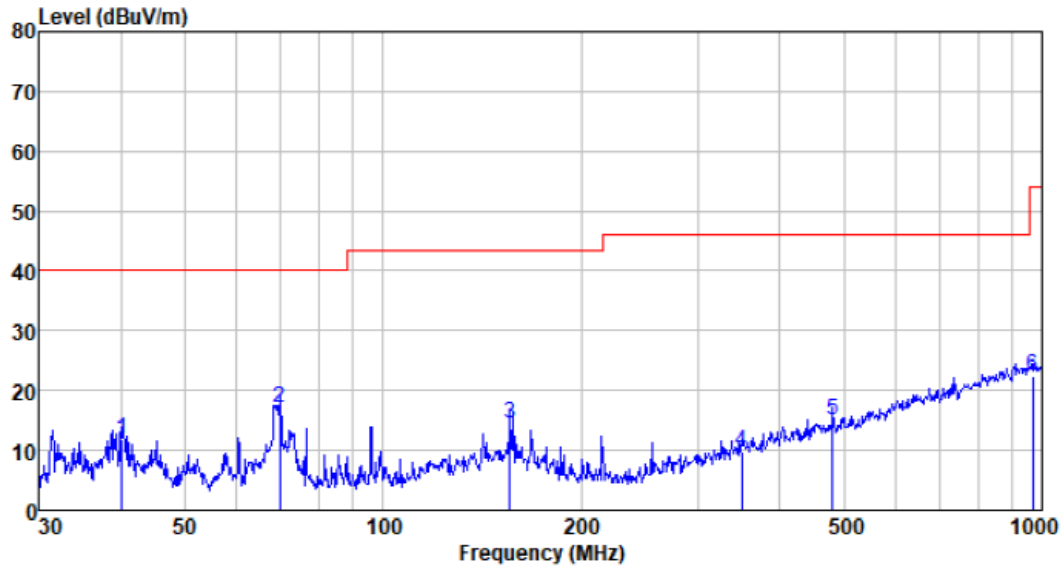
Pre-scan all test modes, found worst case at 2410MHz, and so only show the test result of it
Horizontal



Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Vertical



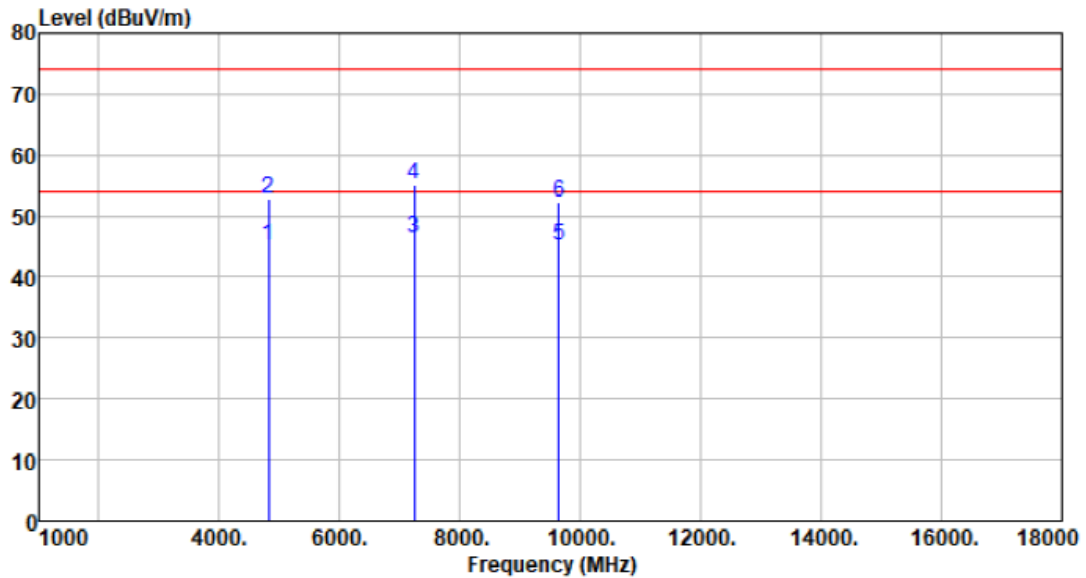
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
40.135	29.78	14.33	1.29	33.54	11.86	40.00	-28.14	QP
69.600	38.08	10.94	1.73	33.55	17.20	40.00	-22.80	QP
155.910	30.76	14.81	2.49	33.47	14.59	43.50	-28.91	QP
350.477	25.21	13.71	3.87	33.11	9.68	46.00	-36.32	QP
480.528	27.04	16.50	4.50	32.92	15.12	46.00	-30.88	QP
968.934	23.43	23.76	6.55	31.26	22.48	54.00	-31.52	QP

Remarks:

$$\text{Final level (dBuV/m)} = \text{Reading level (dBuV)} + \text{Antenna factor (dB/m)} + \text{Cable loss (dB)} - \text{Preamp Factor (dB)}$$

■ Above 1GHz

Test channel:	Lowest	Polarization:	Horizontal
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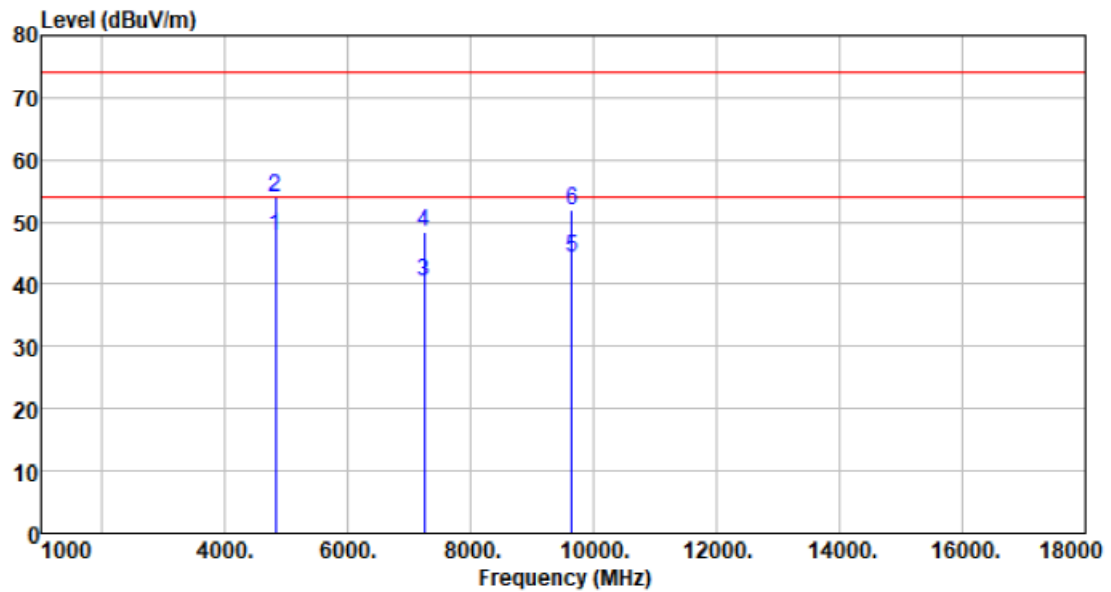


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4820.000	39.23	38.22	5.58	38.01	45.02	54.00	-8.98	Average
4820.000	47.13	38.22	5.58	38.01	52.92	74.00	-21.08	Peak
7230.000	34.26	42.86	7.19	37.98	46.33	54.00	-7.67	Average
7230.000	43.13	42.86	7.19	37.98	55.20	74.00	-18.80	Peak
9640.000	36.74	38.60	9.09	39.19	45.24	54.00	-8.76	Average
9640.000	43.67	38.60	9.09	39.19	52.17	74.00	-21.83	Peak

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Test channel:	Lowest	Polarization:	Vertical
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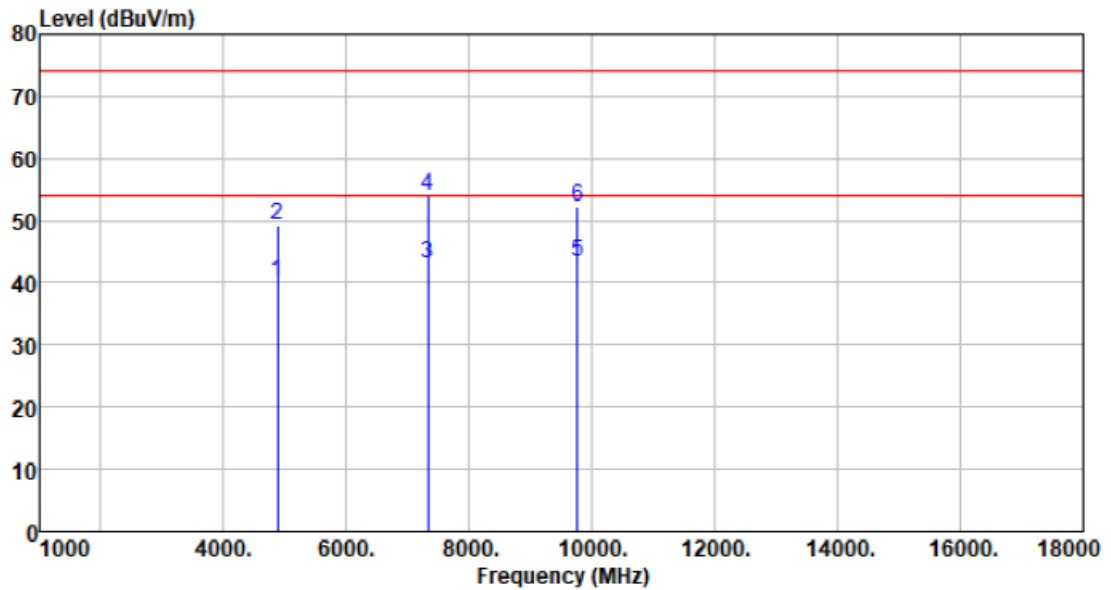


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4820.000	44.26	35.90	5.58	38.01	47.73	54.00	-6.27	Average
4820.000	50.42	35.90	5.58	38.01	53.89	74.00	-20.11	Peak
7230.000	34.67	36.54	7.19	37.98	40.42	54.00	-13.58	Average
7230.000	42.76	36.54	7.19	37.98	48.51	74.00	-25.49	Peak
9640.000	36.13	38.20	9.09	39.19	44.23	54.00	-9.77	Average
9640.000	44.00	38.20	9.09	39.19	52.10	74.00	-21.90	Peak

Remarks:

$$\text{Final level (dBuV/m)} = \text{Reading level (dBuV)} + \text{Antenna factor (dB/m)} + \text{Cable loss (dB)} - \text{Preamp Factor (dB)}$$

Test channel:	Middle	Polarization:	Horizontal
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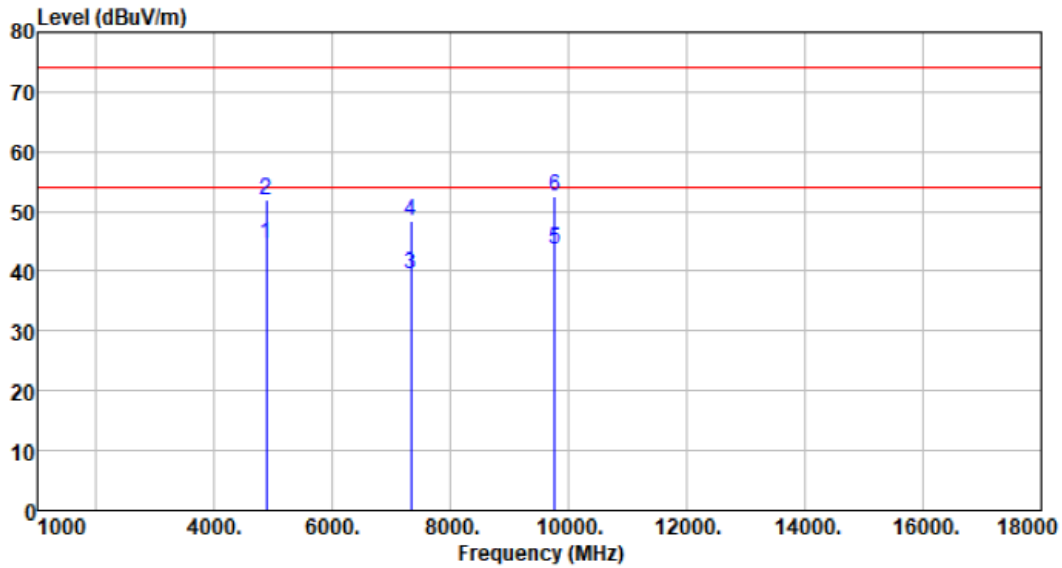


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4880.000	33.85	38.56	5.66	37.97	40.10	54.00	-13.90	Average
4880.000	42.96	38.56	5.66	37.97	49.21	74.00	-24.79	Peak
7320.000	31.61	42.42	7.26	38.06	43.23	54.00	-10.77	Average
7320.000	42.49	42.42	7.26	38.06	54.11	74.00	-19.89	Peak
9760.000	35.29	38.30	9.17	39.23	43.53	54.00	-10.47	Average
9760.000	44.15	38.30	9.17	39.23	52.39	74.00	-21.61	Peak

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Test channel:	Middle	Polarization:	Vertical
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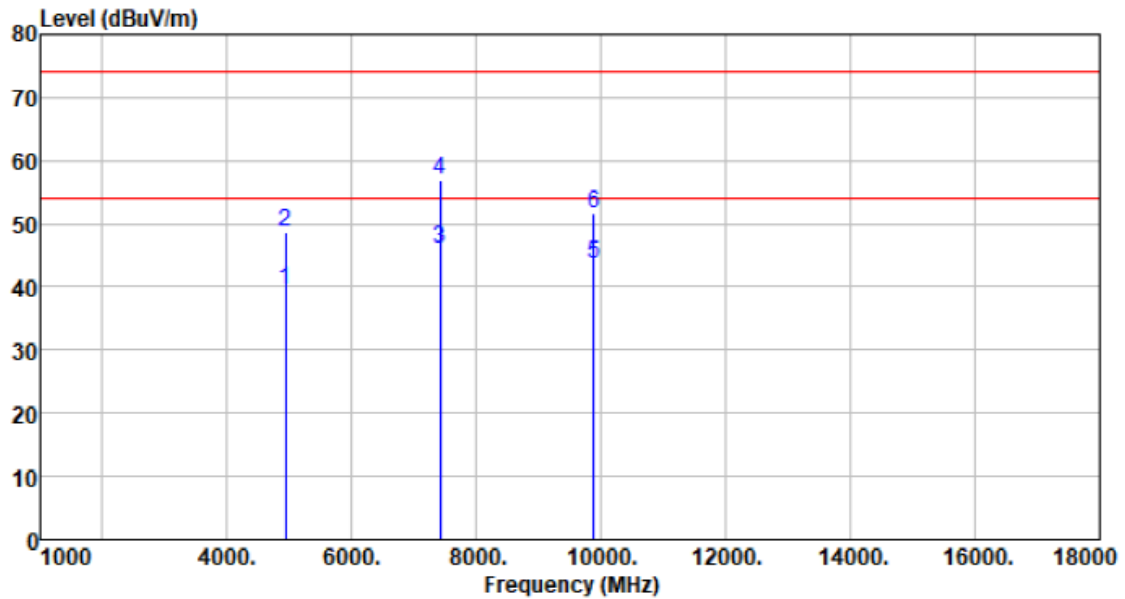


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4880.000	42.27	34.67	5.66	37.97	44.63	54.00	-9.37	Average
4880.000	49.49	34.67	5.66	37.97	51.85	74.00	-22.15	Peak
7320.000	34.30	36.02	7.26	38.06	39.52	54.00	-14.48	Average
7320.000	43.14	36.02	7.26	38.06	48.36	74.00	-25.64	Peak
9760.000	35.37	38.30	9.17	39.23	43.61	54.00	-10.39	Average
9760.000	44.41	38.30	9.17	39.23	52.65	74.00	-21.35	Peak

Remarks:

$$\text{Final level (dBuV/m)} = \text{Reading level (dBuV)} + \text{Antenna factor (dB/m)} + \text{Cable loss (dB)} - \text{Preamp Factor (dB)}$$

Test channel:	Highest	Polarization:	Horizontal
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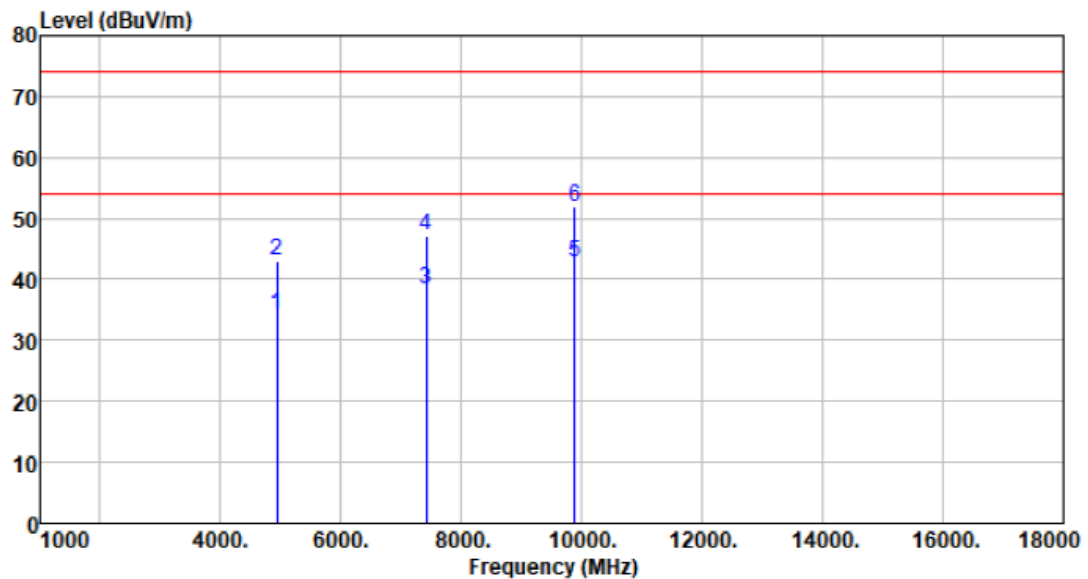


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4940.000	33.86	37.88	5.75	37.94	39.55	54.00	-14.45	Average
4940.000	42.94	37.88	5.75	37.94	48.63	74.00	-25.37	Peak
7410.000	31.66	45.25	7.33	38.13	46.11	54.00	-7.89	Average
7410.000	42.63	45.25	7.33	38.13	57.08	74.00	-16.92	Peak
9880.000	35.17	38.40	9.23	39.26	43.54	54.00	-10.46	Average
9880.000	43.27	38.40	9.23	39.26	51.64	74.00	-22.36	Peak

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Test channel:	Highest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4940.000	33.46	32.98	5.75	37.94	34.25	54.00	-19.75	Average
4940.000	42.30	32.98	5.75	37.94	43.09	74.00	-30.91	Peak
7410.000	33.22	36.00	7.33	38.13	38.42	54.00	-15.58	Average
7410.000	42.17	36.00	7.33	38.13	47.37	74.00	-26.63	Peak
9880.000	34.42	38.40	9.23	39.26	42.79	54.00	-11.21	Average
9880.000	43.50	38.40	9.23	39.26	51.87	74.00	-22.13	Peak

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

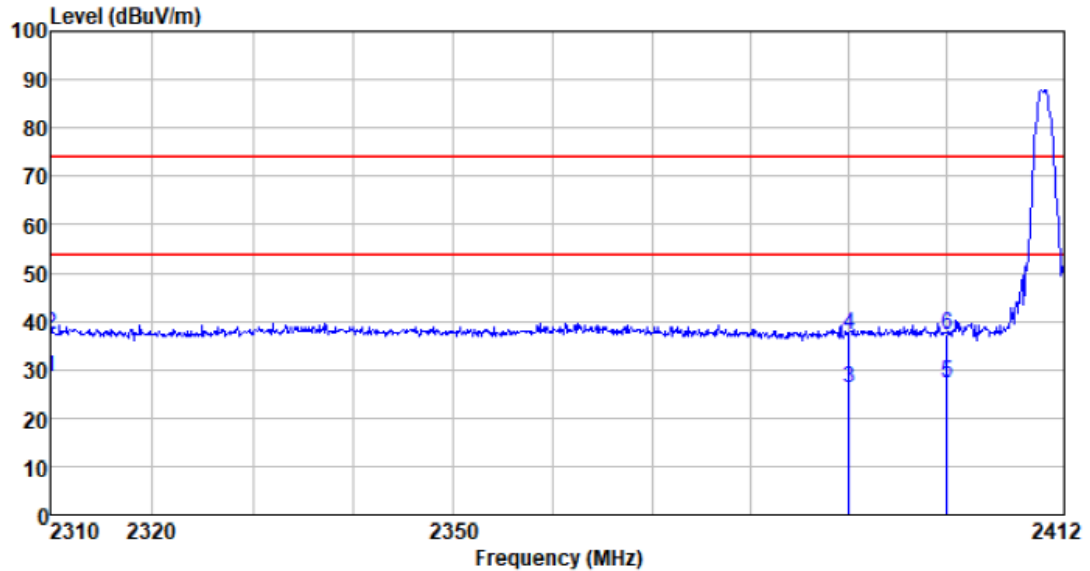
Note:

- The emission levels of other frequencies are very lower than the limit and not show in test report.
- For above 18GHz, no emission found.
- If the average limit is met when using a Peak detector, the EUT shall be deemed to meet both peak and average limits. And measurement with the average detector is unnecessary.

7.2.3 Bandedge emissions

All of the restriction bands were tested, and only the data of worst case was exhibited.

Test channel:	Lowest	Polarization:	Horizontal
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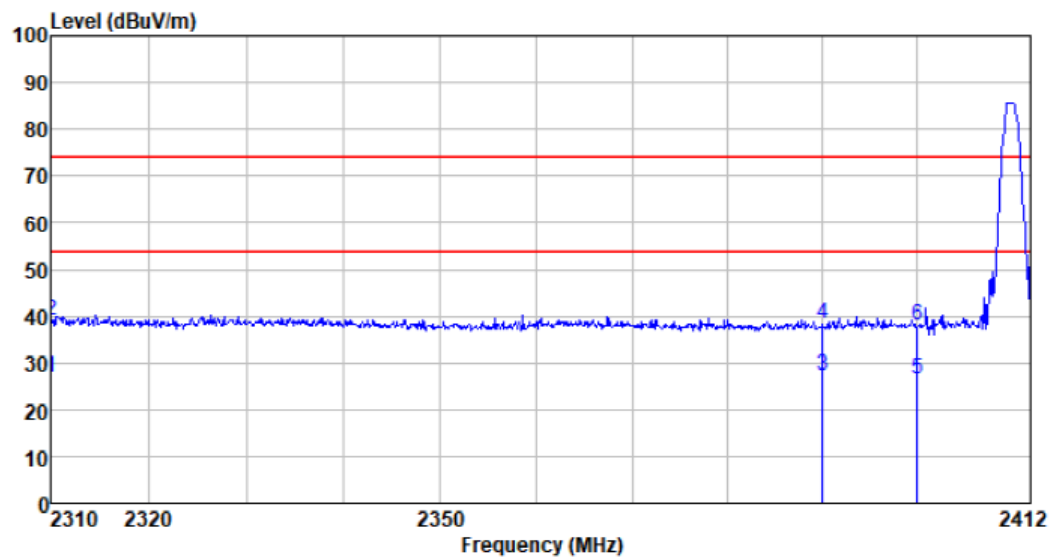


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	36.38	26.66	4.09	38.86	28.27	54.00	-25.73	Average
2310.000	45.46	26.66	4.09	38.86	37.35	74.00	-36.65	Peak
2390.006	34.49	26.62	4.11	38.88	26.34	54.00	-27.66	Average
2390.006	45.54	26.62	4.11	38.88	37.39	74.00	-36.61	Peak
2400.000	35.64	26.43	4.11	38.88	27.30	54.00	-26.70	Average
2400.000	45.73	26.43	4.11	38.88	37.39	74.00	-36.61	Peak

Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Test channel:	Lowest	Polarization:	Vertical
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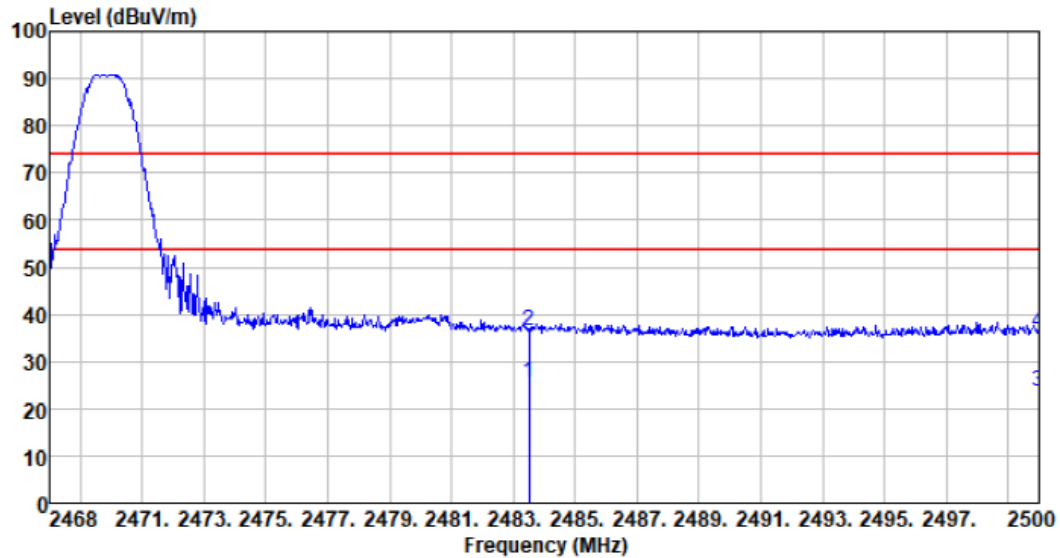


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	33.66	28.05	4.09	38.86	26.94	54.00	-27.06	Average
2310.000	45.82	28.05	4.09	38.86	39.10	74.00	-34.90	Peak
2390.000	35.11	27.03	4.11	38.88	27.37	54.00	-26.63	Average
2390.000	46.18	27.03	4.11	38.88	38.44	74.00	-35.56	Peak
2400.000	34.54	26.94	4.11	38.88	26.71	54.00	-27.29	Average
2400.000	45.71	26.94	4.11	38.88	37.88	74.00	-36.12	Peak

Remarks:

$$\text{Final level (dBuV/m)} = \text{Reading level (dBuV)} + \text{Antenna factor (dB/m)} + \text{Cable loss (dB)} - \text{Preamp Factor (dB)}$$

Test channel:	Highest	Polarization:	Horizontal
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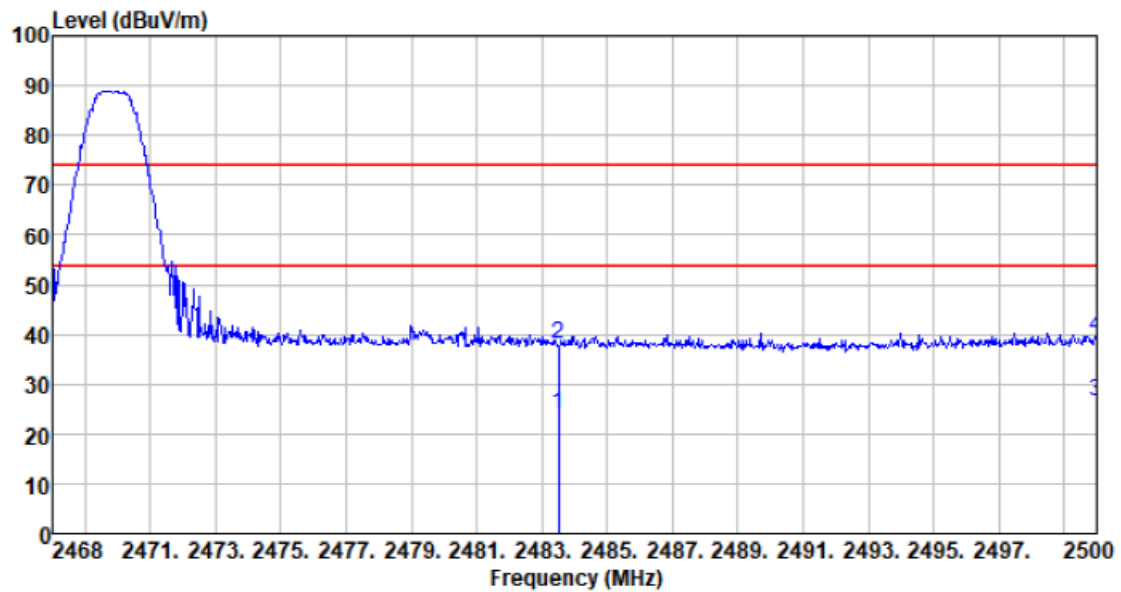


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	33.52	26.78	4.13	38.90	25.53	54.00	-28.47	Average
2483.500	44.43	26.78	4.13	38.90	36.44	74.00	-37.56	Peak
2500.000	31.75	26.48	4.14	38.90	23.47	54.00	-30.53	Average
2500.000	44.56	26.48	4.14	38.90	36.28	74.00	-37.72	Peak

Remarks:

$$\text{Final level (dBuV/m)} = \text{Reading level (dBuV)} + \text{Antenna factor (dB/m)} + \text{Cable loss (dB)} - \text{Preamp Factor (dB)}$$

Test channel:	Highest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	30.45	28.22	4.13	38.90	23.90	54.00	-30.10	Average
2483.500	44.61	28.22	4.13	38.90	38.06	74.00	-35.94	Peak
2500.000	32.68	28.63	4.14	38.90	26.55	54.00	-27.45	Average
2500.000	45.53	28.63	4.14	38.90	39.40	74.00	-34.60	Peak

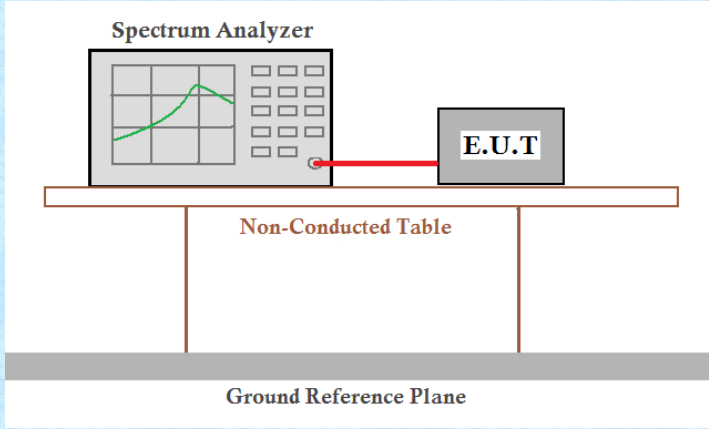
Remarks:

Final level(dBuV/m) = Reading level(dBuV) + Antenna factor(dB/m) + Cable loss(dB) - Preamp Factor(dB)

Note:

- For above 18GHz, no emission found

7.3 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.10:2013
Limit:	Operation Frequency range 2400MHz~2483.5MHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

Measurement Data

Test channel	20dB bandwidth(MHz)	Result
Lowest	1.161	Pass
Middle	1.156	Pass
Highest	1.155	Pass

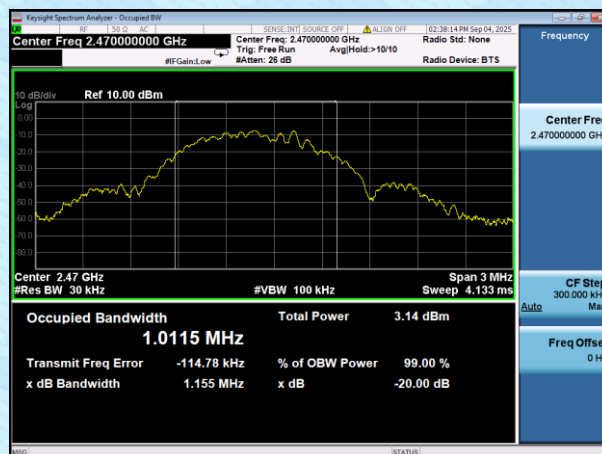
Test plot as follows:



Lowest channel



Middle channel



Highest channel

8 Test Setup Photo

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

9 EUT Constructional Details

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

-----End-----