

TEST REPORT

Applicant: Shantou Yile Technology Co., Ltd.

Address of Applicant: No.5YongxiangRoad,LingtingVillage,
ChenghaiDistrict,ShantouCity,Guangdong Province, China

Manufacturer: Shantou Yile Technology Co., Ltd.

Address of Manufacturer: No.5YongxiangRoad,LingtingVillage,
ChenghaiDistrict,ShantouCity,Guangdong Province, China

Equipment Under Test (EUT)

Product Name: R/C CAR

Model No.: C67, C57, C37, C59, C15, C25, C35, C55, C69, C76, C78,
C79, C81, C83, C85, C86, C87, C89, C90, C91, C93, C95,
C97, C98, C1, C2, C5

Trade Mark: YLRC

FCC ID: 2A5OM-C57

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

Date of sample receipt: July 08, 2026

Date of Test: July 09, 2026-August 28, 2026

Date of report issued: August 28, 2026

Test Result : PASS *

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



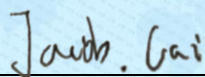
Robinson Luo

Laboratory Manager

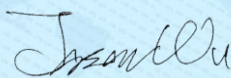
This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

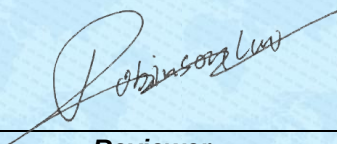
Version No.	Date	Description
00	August 28, 2026	Original

Tested By:**Date:**

August 28, 2026

Test Engineer**Prepared By:****Date:**

August 28, 2026

Project Engineer**Check By:****Date:**

August 28, 2026

Reviewer

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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 C63.10:2020.
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:	R/C CAR
Model No.:	C67, C57, C37, C59, C15, C25, C35, C55, C69, C76, C78, C79, C81, C83, C85, C86, C87, C89, C90, C91, C93, C95, C97, C98, C1, C2, C5
Test Model No.:	C57
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. There are discrepancies in product appearance, color, silk printing/laser engraving, housing and other aspects.	
Serial No.:	N/A
Test sample(s) ID:	GTS2026070141-1
Sample(s) Status	Engineered sample
Operation Frequency:	2420MHz~2470MHz
Channel Numbers:	51
Modulation Type:	GFSK
Antenna Type:	Internal Antenna
Antenna gain:	0.17dBi(declare by applicant)
Power supply:	DC 3V(2*1.5V Size“AA” 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)
1	2420	14	2433	27	2446	40	2459
2	2421	15	2434	28	2447	41	2460
3	2422	16	2435	29	2448	42	2461
4	2423	17	2436	30	2449	43	2462
5	2424	18	2437	31	2450	44	2463
6	2425	19	2438	32	2451	45	2464
7	2426	20	2439	33	2452	46	2465
8	2427	21	2440	34	2453	47	2466
9	2428	22	2441	35	2454	48	2467
10	2429	23	2442	36	2455	49	2468
11	2430	24	2443	37	2456	50	2469
12	2431	25	2444	38	2457	51	2470
13	2432	26	2445	39	2458		

The test frequencies are below:

Channel	Frequency
The lowest channel	2420MHz
The middle channel	2445MHz
The Highest channel	2470MHz

5.2 Test mode

Transmitting mode	Keep the EUT in continuously transmitting mode.
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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)	80.25	80.40	79.98

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
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. 10, 2026	Apr. 09, 2031
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. 10, 2026	Apr. 09, 2027
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Apr. 11, 2026	Apr. 10, 2027
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 11, 2026	Apr. 10, 2027
6	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Jul 17, 2026	Jul 16, 2027
7	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov.22, 2025	Nov.21, 2026
8	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 10, 2026	Apr. 09, 2027
9	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 10, 2026	Apr. 09, 2027
10	Horn Antenna (18GH-40GHz)	Schwarzbeck	BBHA 9170	GTS691	Apr. 11, 2026	Apr. 10, 2027
11	Spectrum analyzer (9kHz-40GHz)	Rohde & Schwarz	FSV40-N	GTS666	Mar. 10, 2026	Mar. 09, 2027
12	Amplifier	/	LNA-1000-30S	GTS650	Apr. 10, 2026	Apr. 09, 2027
13	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 24, 2025	Nov. 23, 2026
14	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 10, 2026	Apr. 09, 2027
15	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 13, 2026	Apr. 12, 2027
16	RE cable 1	GTS	N/A	GTS675	Jul. 17, 2026	Jul. 16, 2027
17	RE cable 2	GTS	N/A	GTS676	Jul. 17, 2026	Jul. 16, 2027
18	RE cable 3	GTS	N/A	GTS677	Jul. 17, 2026	Jul. 16, 2027
19	RE cable 4	GTS	N/A	GTS678	Jul. 17, 2026	Jul. 16, 2027
20	RE cable 5	GTS	N/A	GTS679	Jul. 17, 2026	Jul. 16, 2027
21	RE cable 6	GTS	N/A	GTS680	Jul. 17, 2026	Jul. 16, 2027
22	RE cable 7	GTS	N/A	GTS681	Jul. 22, 2026	Jul. 21, 2027
23	RE cable 8	GTS	N/A	GTS682	Jul. 22, 2026	Jul. 21, 2027
24	CE cable 9	GTS	N/A	GTS683	Jul. 23, 2026	Jul. 22, 2027
25	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	Wireless Connectivity Test Set	Anritsu	MT8862A	SN6272327180	2026-08-25	2027-08-24
2	Bluetooth Test Set	Anritsu	MT8852B	SN6262097212	2026-08-25	2027-08-24
3	EXA Signal Analyzer	Keysight	N9010B	MY60241168	2026-08-25	2027-08-24
4	Vector Signal Generator	Keysight	N5182B	MY61250192	2026-04-16	2027-04-15
5	Analog Signal Generator	Keysight	N5171B	MY61252573	2026-08-25	2027-08-24
6	RF Control Unit and Power Test Unit	Tonscend	JS0806-2	SN21F8060437	2026-04-16	2027-04-15
7	Power Control Unit	Tonscend	JS0806-4ADC	SN21C8060386	N/A	N/A
8	Wideband Radio Communication Tester	R&S	CWM500	GTS569	2026-08-25	2027-08-24
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	2026-04-10	2027-04-09
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	2026-04-14	2027-04-13
11	Test Software	Tonscend	JS1120-3 V3.5.39	N/A	N/A	N/A

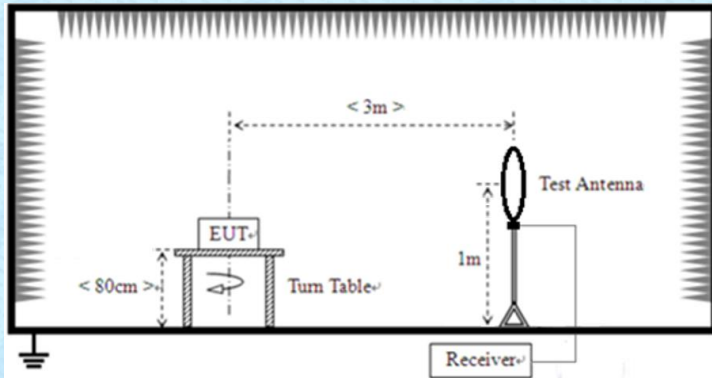
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 21, 2026	Jul. 20, 2027

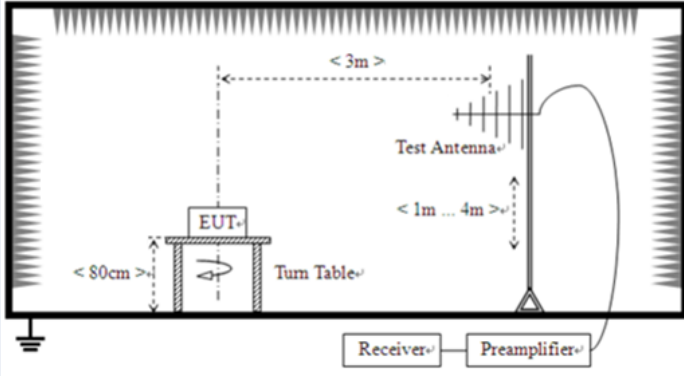
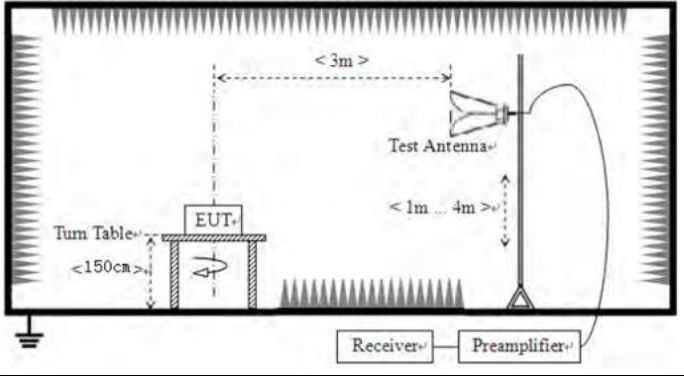
7 Test results and Measurement Data

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 internal antenna, reference to the appendix II for details.	

7.2 Radiated Emission Method

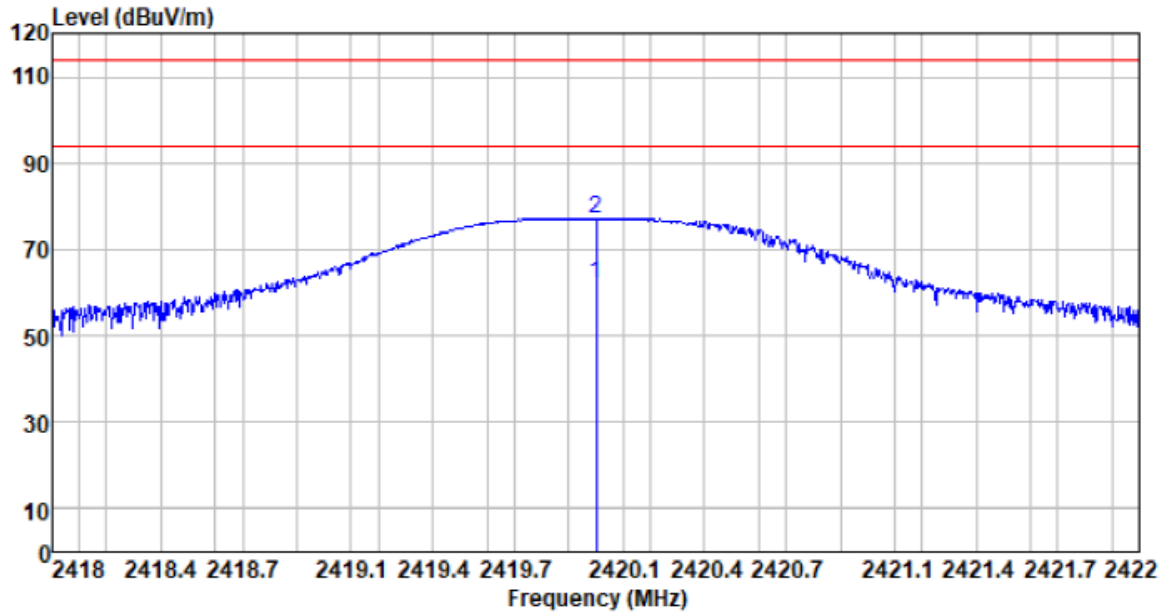
Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2020				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz-150kHz	Quasi-peak	200Hz	300Hz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	10kHz	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

Test channel:	Lowest	Polarization:	Vertical
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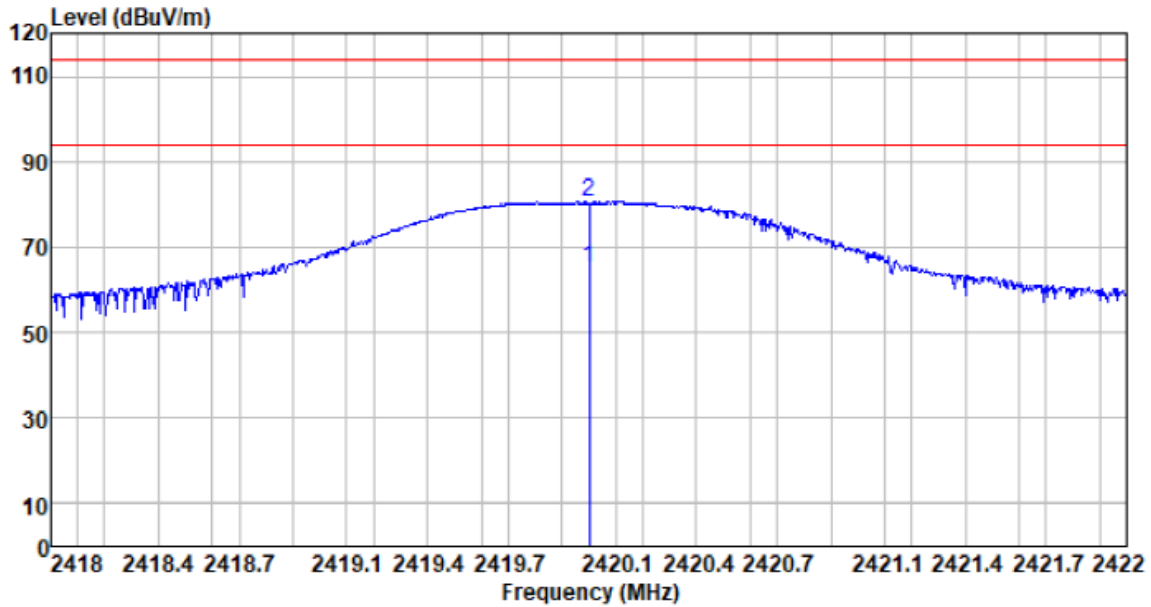


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2420.000	69.83	27.12	4.12	38.88	62.19	94.00	-31.81	Average
2420.000	84.76	27.12	4.12	38.88	77.12	114.00	-36.88	Peak

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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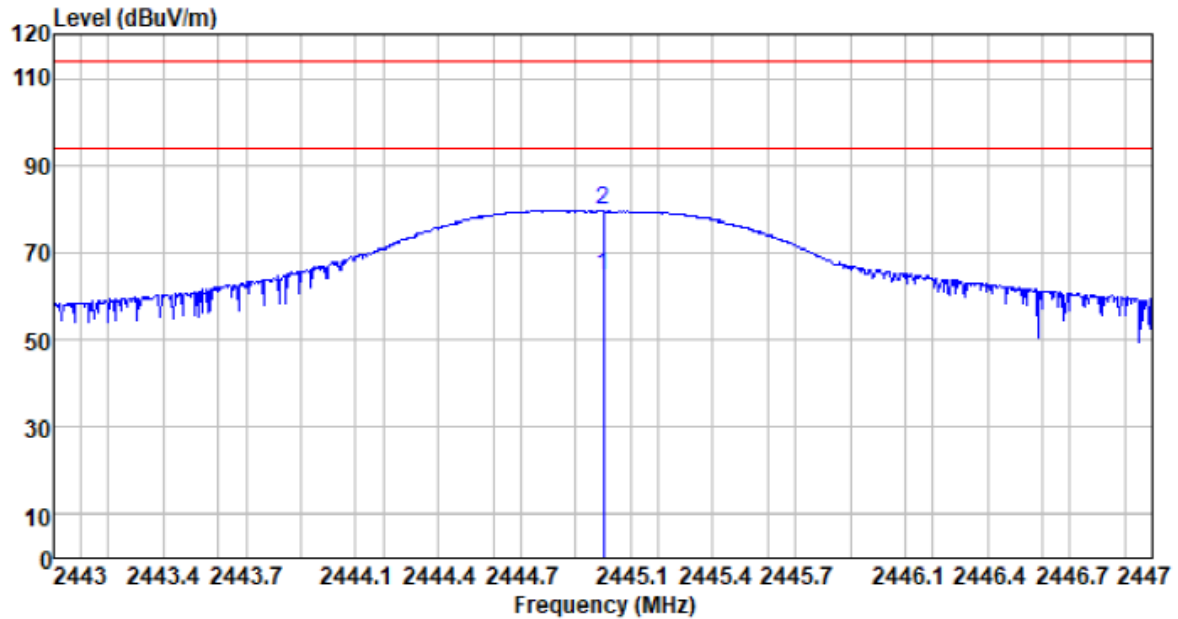


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2420.000	73.15	26.82	4.12	38.88	65.21	94.00	-28.79	Average
2420.000	88.34	26.82	4.12	38.88	80.40	114.00	-33.60	Peak

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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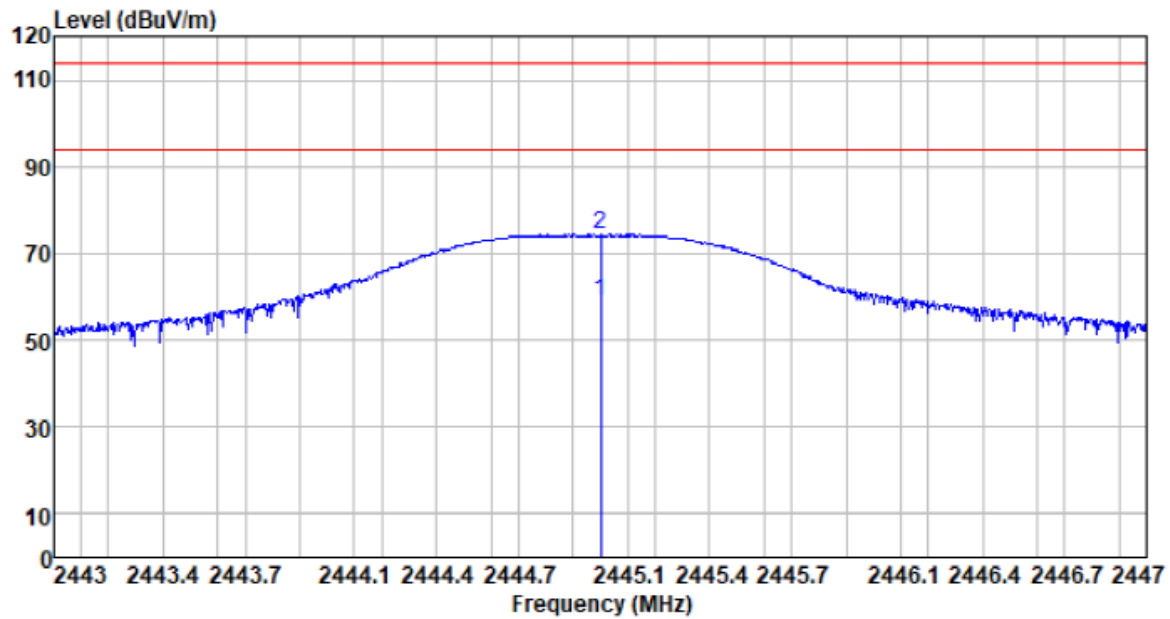


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2445.000	72.06	27.30	4.12	38.89	64.59	94.00	-29.41	Average
2445.000	87.11	27.30	4.12	38.89	79.64	114.00	-34.36	Peak

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:	Vertical
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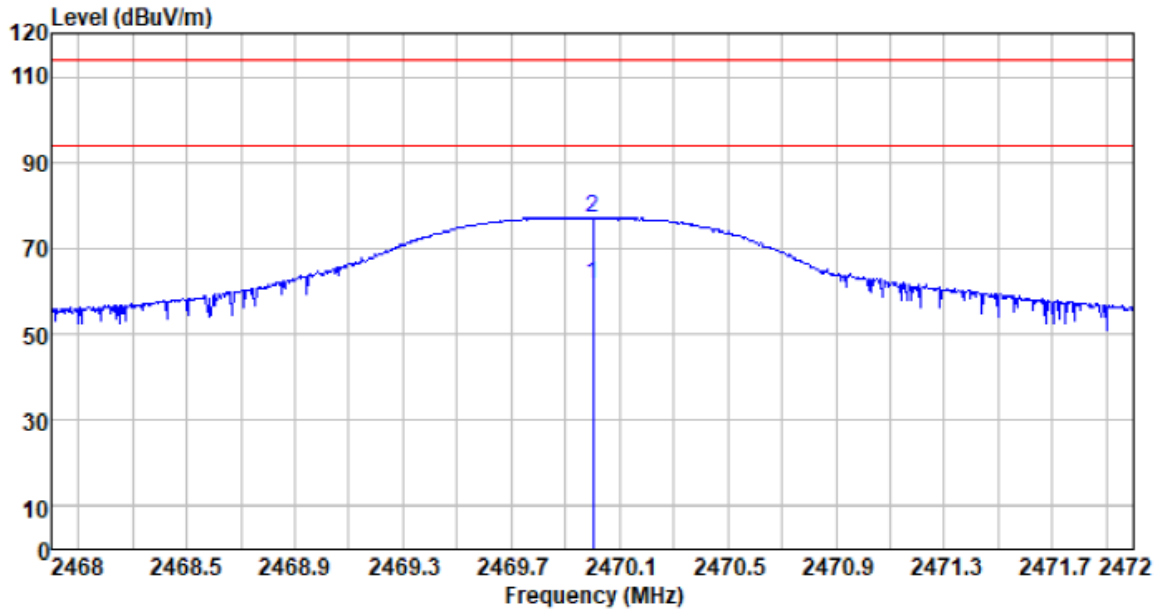


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2445.000	66.49	27.35	4.12	38.89	59.07	94.00	-34.93	Average
2445.000	81.65	27.35	4.12	38.89	74.23	114.00	-39.77	Peak

Remarks:

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

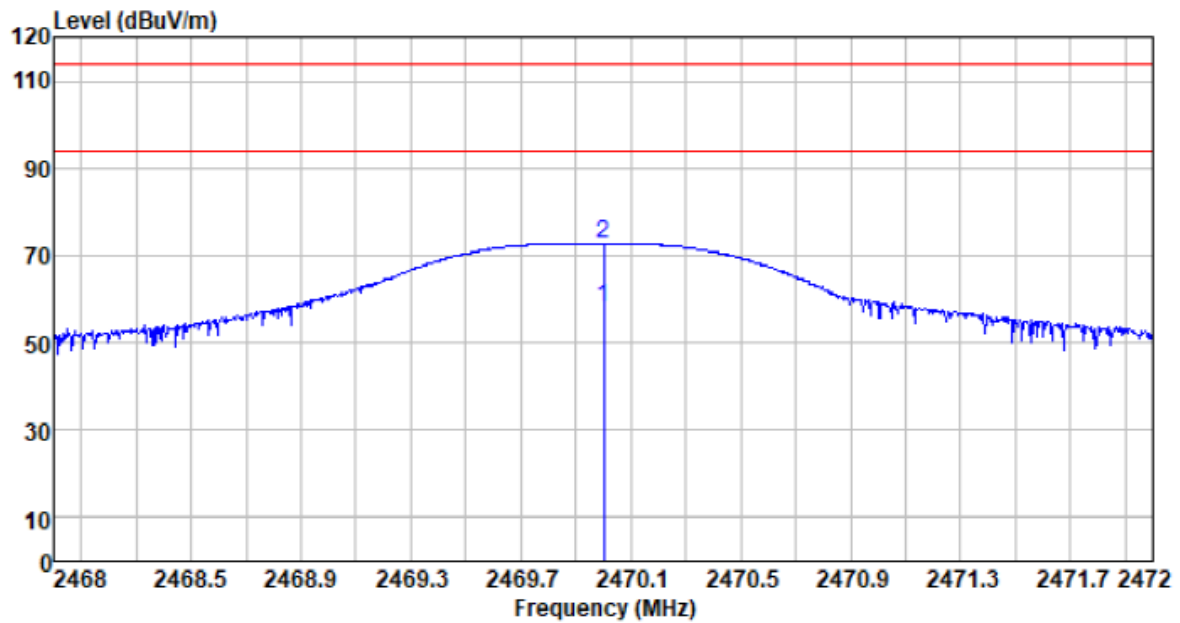
Test channel:	Highest	Polarization:	Vertical
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Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2470.000	69.46	27.03	4.13	38.89	61.73	94.00	-32.27	Average
2470.000	84.73	27.03	4.13	38.89	77.00	114.00	-37.00	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
2470.000	64.70	27.89	4.13	38.89	57.83	94.00	-36.17	Average
2470.000	79.57	27.89	4.13	38.89	72.70	114.00	-41.30	Peak

Remarks:

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

Note:

1. For fundamental frequency , RBW>20dB BW, VBW>=RBW, PK detector for PK value, RMS detector for AV value

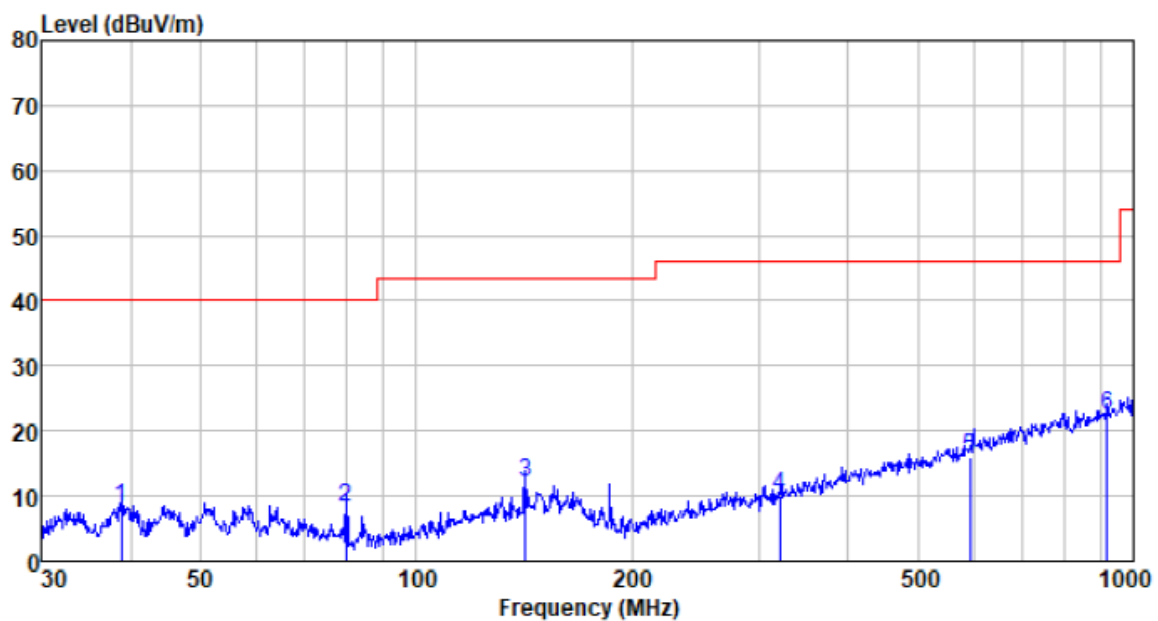
7.2.2 Spurious emissions

■ 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 2479.75MHz, and so only show the test result of it
Horizontal

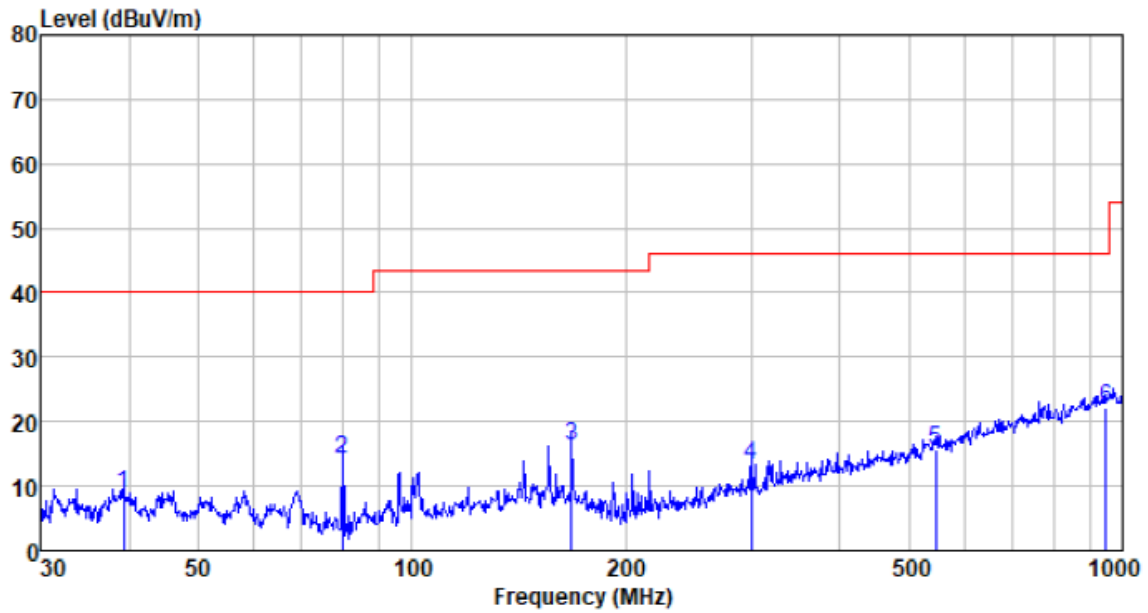


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
38.752	26.90	13.50	1.28	33.40	8.28	40.00	-31.72	QP
79.800	30.74	9.00	1.80	33.33	8.21	40.00	-31.79	QP
141.826	29.51	13.27	2.38	33.20	11.96	43.50	-31.54	QP
321.061	25.41	13.66	3.69	32.87	9.89	46.00	-36.11	QP
590.974	24.32	18.90	5.04	32.45	15.81	46.00	-30.19	QP
919.287	24.37	22.90	6.31	31.25	22.33	46.00	-23.67	QP

Remarks:

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

Vertical



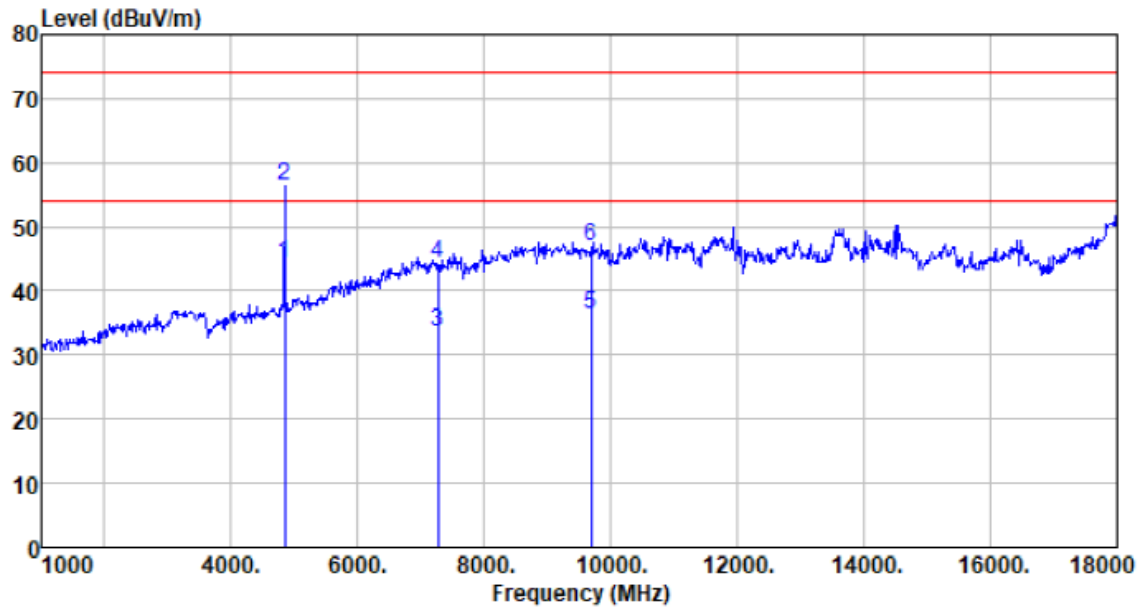
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
39.299	27.34	13.59	1.29	33.40	8.82	40.00	-31.18	QP
79.800	36.66	9.00	1.80	33.33	14.13	40.00	-25.87	QP
167.824	33.99	12.92	2.58	33.15	16.34	43.50	-27.16	QP
300.367	29.40	13.12	3.55	32.90	13.17	46.00	-32.83	QP
545.183	25.36	18.01	4.82	32.57	15.62	46.00	-30.38	QP
948.761	23.65	23.25	6.45	31.08	22.27	46.00	-23.73	QP

Remarks:

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

■ Above 1GHz

Test channel:	Lowest	Polarization:	Horizontal
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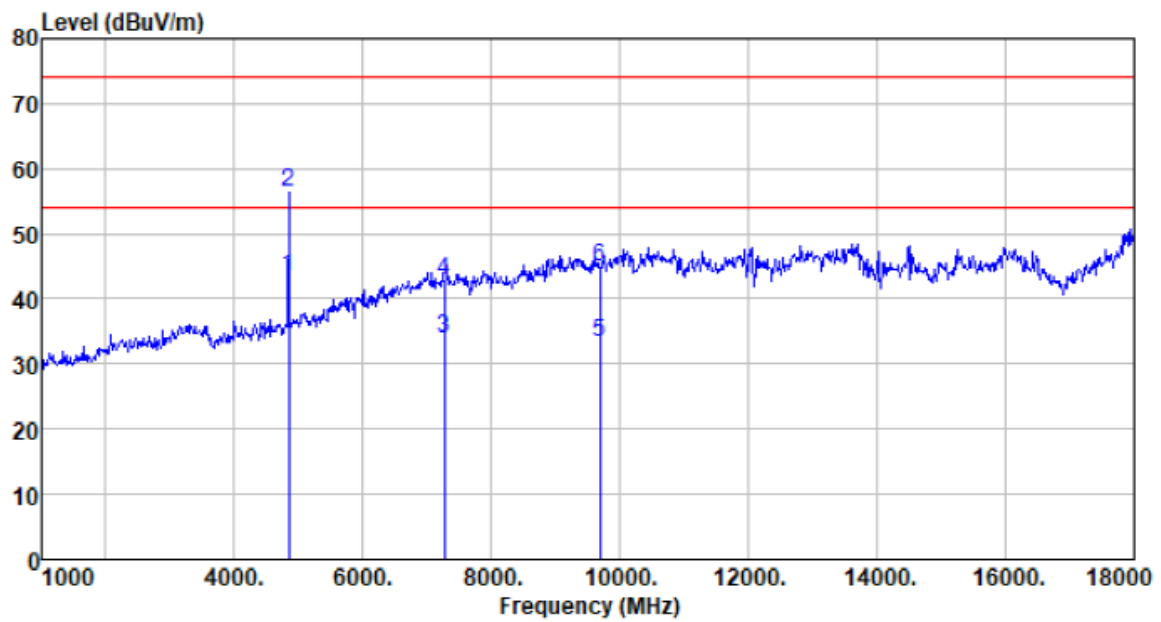


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4840.000	44.16	32.44	5.61	38.00	44.21	54.00	-9.79	Average
4840.000	56.25	32.44	5.61	38.00	56.30	74.00	-17.70	Peak
7260.000	27.79	36.52	7.21	38.01	33.51	54.00	-20.49	Average
7260.000	38.53	36.52	7.21	38.01	44.25	74.00	-29.75	Peak
9680.000	28.10	38.20	9.12	39.20	36.22	54.00	-17.78	Average
9680.000	38.76	38.20	9.12	39.20	46.88	74.00	-27.12	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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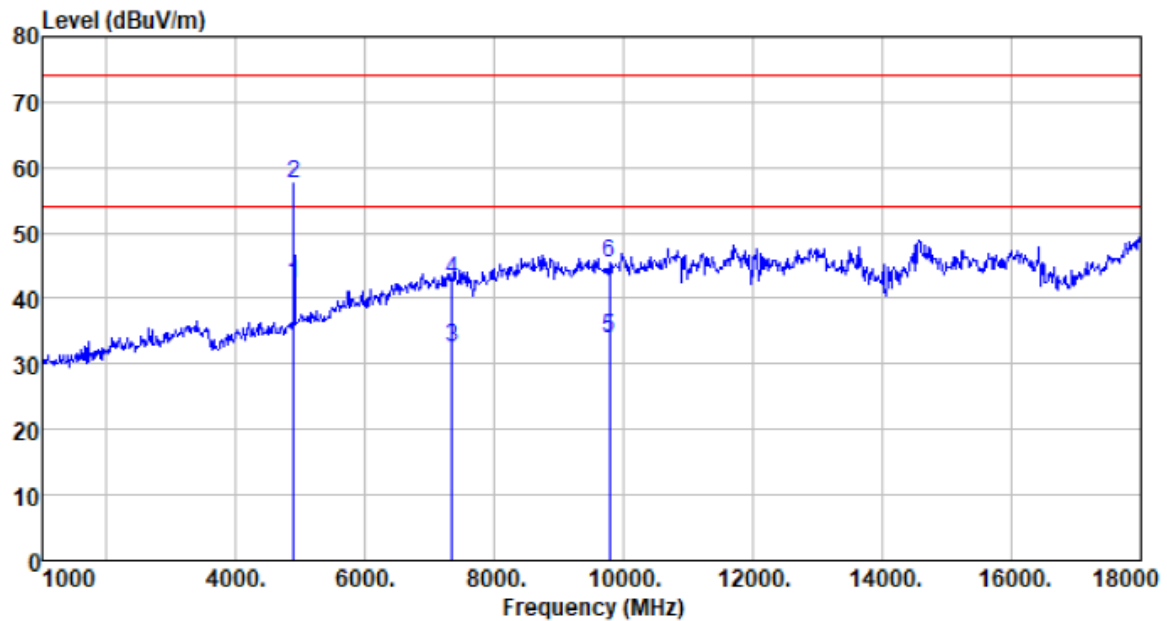


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4840.000	43.46	32.44	5.61	38.00	43.51	54.00	-10.49	Average
4840.000	56.46	32.44	5.61	38.00	56.51	74.00	-17.49	Peak
7260.000	28.32	36.52	7.21	38.01	34.04	54.00	-19.96	Average
7260.000	37.00	36.52	7.21	38.01	42.72	74.00	-31.28	Peak
9680.000	25.31	38.20	9.12	39.20	33.43	54.00	-20.57	Average
9680.000	36.61	38.20	9.12	39.20	44.73	74.00	-29.27	Peak

Remarks:

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

Test channel:	Middle	Polarization:	Horizontal
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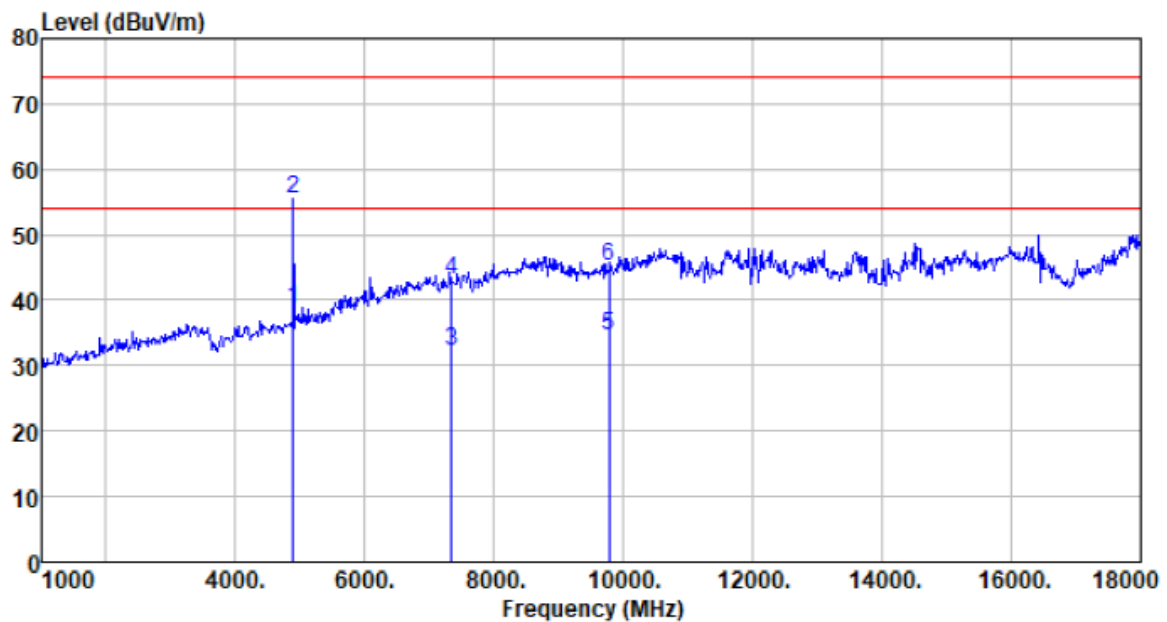


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4890.000	41.95	32.58	5.68	37.97	42.24	54.00	-11.76	Average
4890.000	57.26	32.58	5.68	37.97	57.55	74.00	-16.45	Peak
7335.000	26.56	36.67	7.27	38.07	32.43	54.00	-21.57	Average
7335.000	36.88	36.67	7.27	38.07	42.75	74.00	-31.25	Peak
9780.000	25.75	38.30	9.19	39.23	34.01	54.00	-19.99	Average
9780.000	37.28	38.30	9.19	39.23	45.54	74.00	-28.46	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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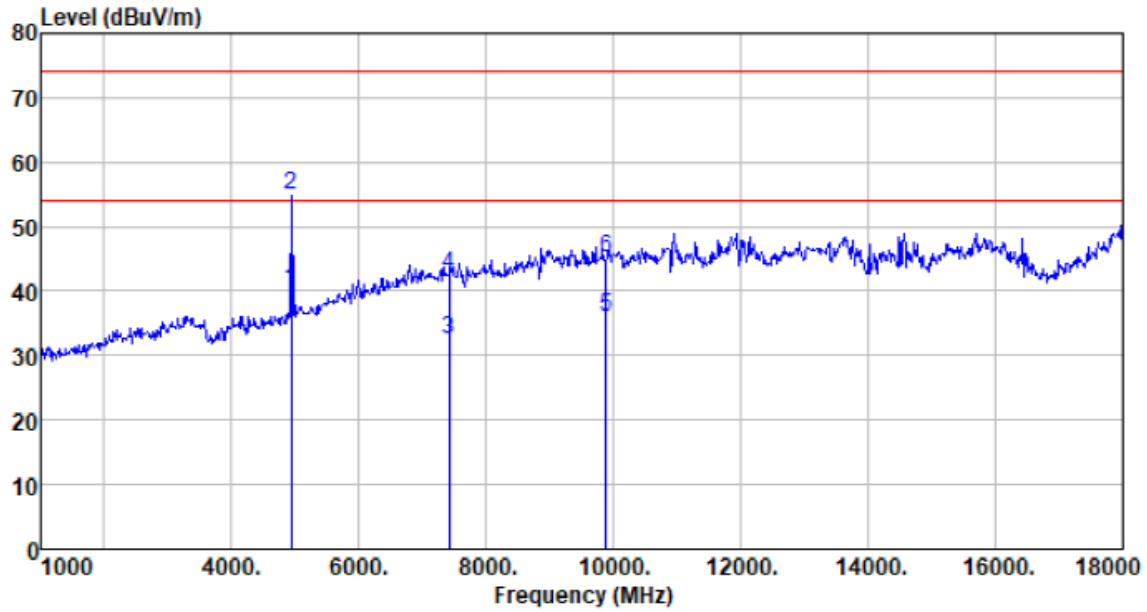


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4890.000	38.43	32.58	5.68	37.97	38.72	54.00	-15.28	Average
4890.000	55.28	32.58	5.68	37.97	55.57	74.00	-18.43	Peak
7335.000	26.25	36.67	7.27	38.07	32.12	54.00	-21.88	Average
7335.000	37.10	36.67	7.27	38.07	42.97	74.00	-31.03	Peak
9780.000	26.18	38.30	9.19	39.23	34.44	54.00	-19.56	Average
9780.000	37.01	38.30	9.19	39.23	45.27	74.00	-28.73	Peak

Remarks:

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

Test channel:	Highest	Polarization:	Horizontal
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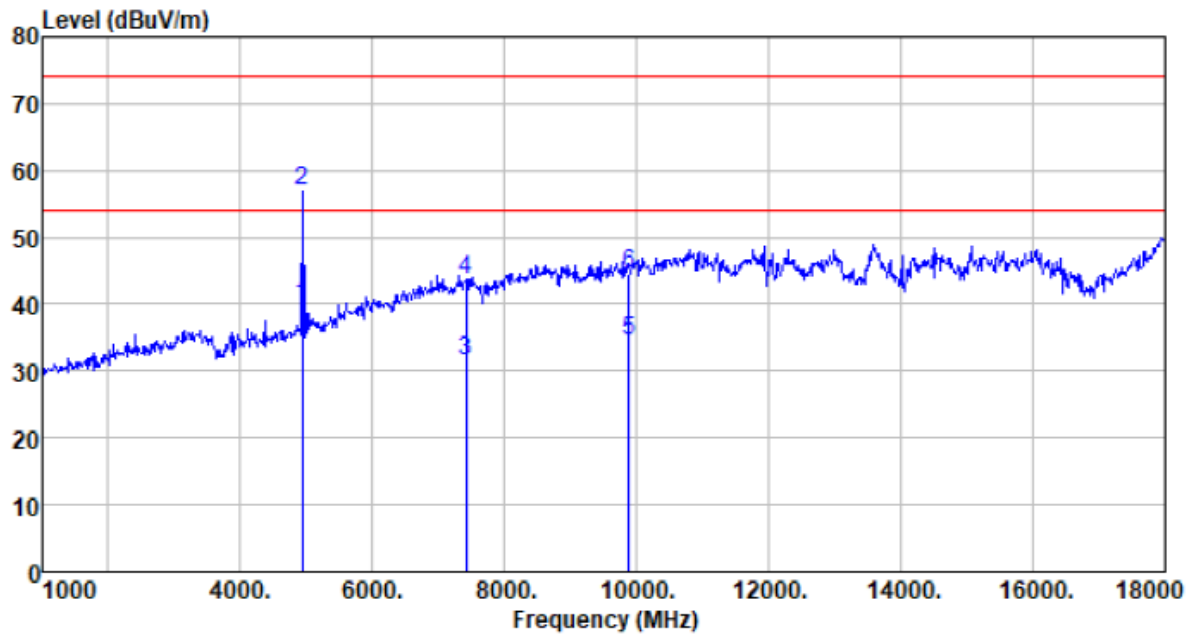


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4940.000	39.67	32.68	5.75	37.94	40.16	54.00	-13.84	Average
4940.000	54.52	32.68	5.75	37.94	55.01	74.00	-18.99	Peak
7410.000	26.55	36.62	7.33	38.13	32.37	54.00	-21.63	Average
7410.000	36.68	36.62	7.33	38.13	42.50	74.00	-31.50	Peak
9888.000	27.66	38.40	9.23	39.27	36.02	54.00	-17.98	Average
9888.000	36.81	38.40	9.23	39.27	45.17	74.00	-28.83	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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Remarks:

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

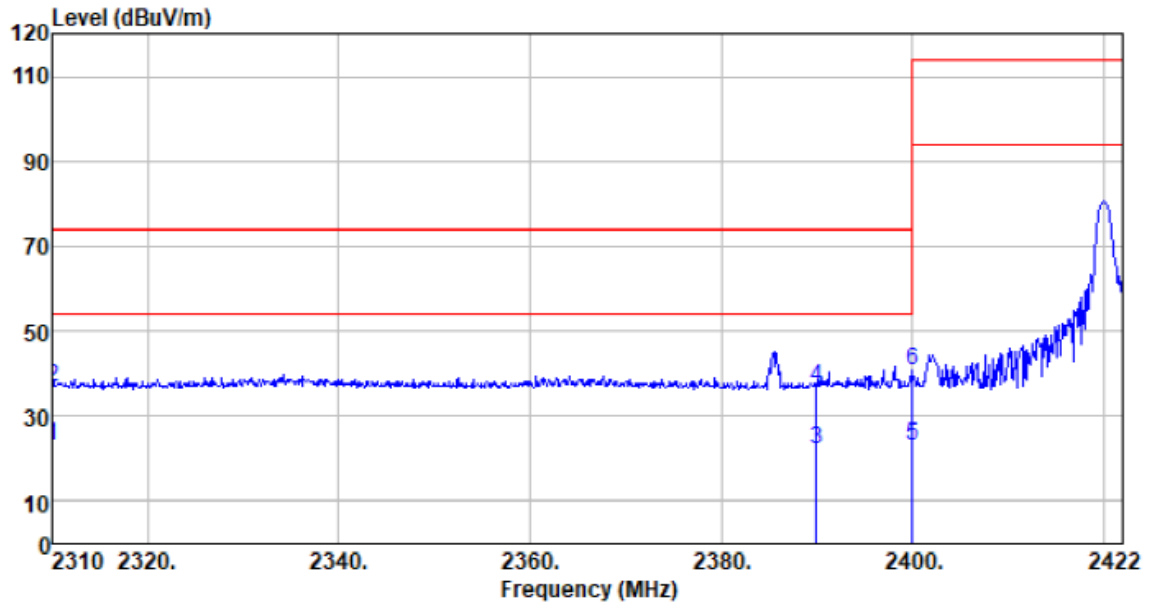
Note:

- 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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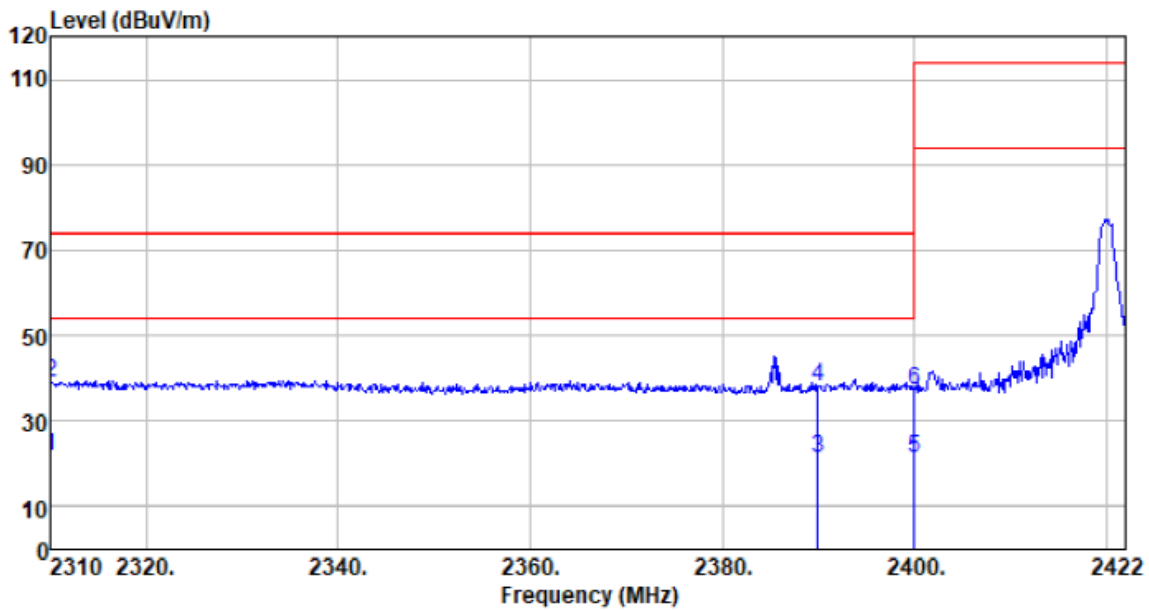


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.06	26.66	4.09	38.86	22.95	54.00	-31.05	Average
2310.000	45.08	26.66	4.09	38.86	36.97	74.00	-37.03	Peak
2390.000	30.16	26.62	4.11	38.88	22.01	54.00	-31.99	Average
2390.000	45.08	26.62	4.11	38.88	36.93	74.00	-37.07	Peak
2400.000	31.23	26.43	4.11	38.88	22.89	54.00	-31.11	Average
2400.000	49.19	26.43	4.11	38.88	40.85	74.00	-33.15	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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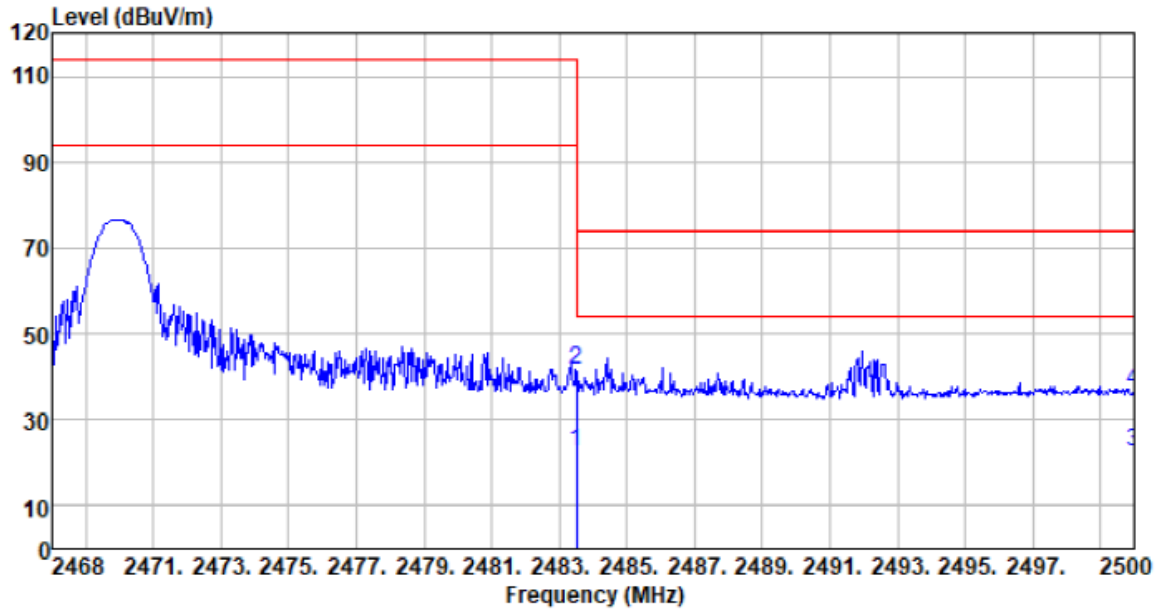


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	29.75	26.66	4.09	38.86	21.64	54.00	-32.36	Average
2310.000	46.95	26.66	4.09	38.86	38.84	74.00	-35.16	Peak
2390.000	29.39	26.62	4.11	38.88	21.24	54.00	-32.76	Average
2390.000	46.32	26.62	4.11	38.88	38.17	74.00	-35.83	Peak
2400.000	29.42	26.43	4.11	38.88	21.08	54.00	-32.92	Average
2400.000	45.73	26.43	4.11	38.88	37.39	74.00	-36.61	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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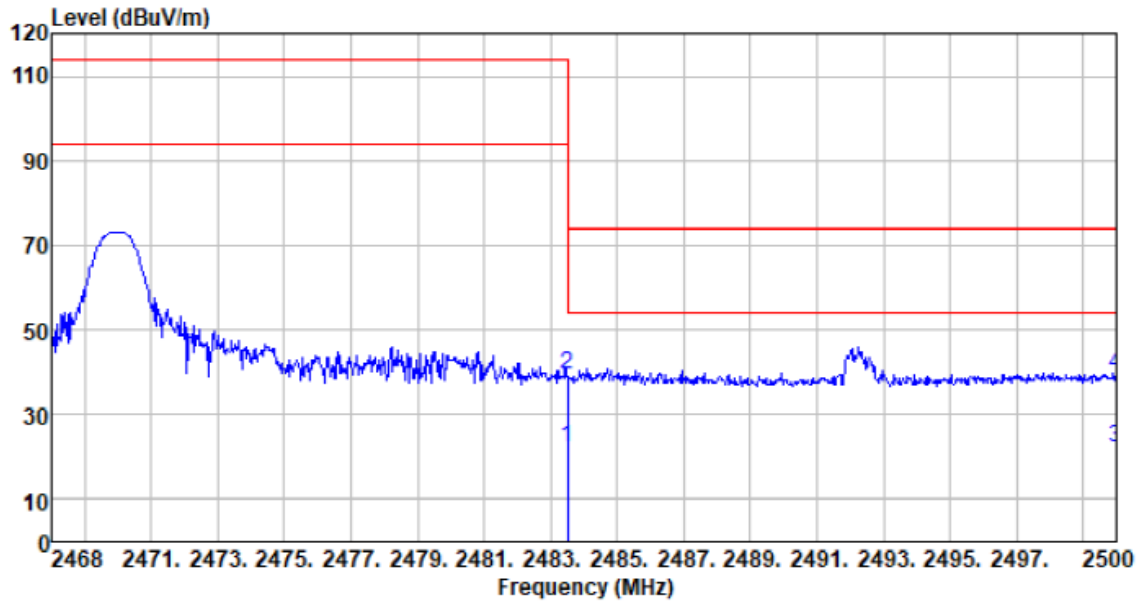


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	30.39	26.78	4.13	38.90	22.40	54.00	-31.60	Average
2483.500	49.65	26.78	4.13	38.90	41.66	74.00	-32.34	Peak
2500.000	30.72	26.48	4.14	38.90	22.44	54.00	-31.56	Average
2500.000	44.87	26.48	4.14	38.90	36.59	74.00	-37.41	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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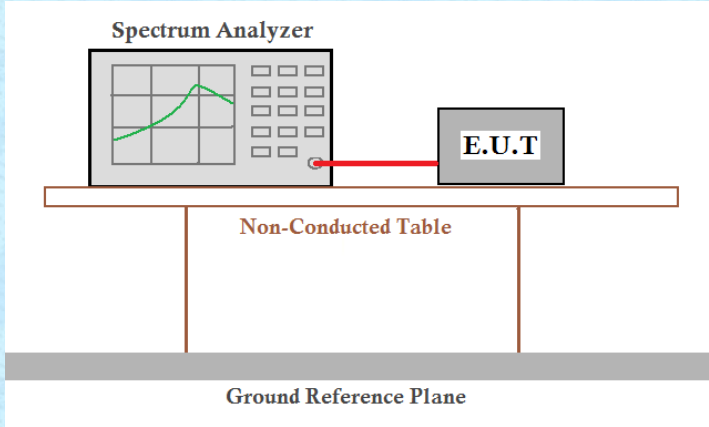


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	28.82	28.22	4.13	38.90	22.27	54.00	-31.73	Average
2483.500	45.80	28.22	4.13	38.90	39.25	74.00	-34.75	Peak
2500.000	28.27	28.63	4.14	38.90	22.14	54.00	-31.86	Average
2500.000	45.39	28.63	4.14	38.90	39.26	74.00	-34.74	Peak

Remarks:

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

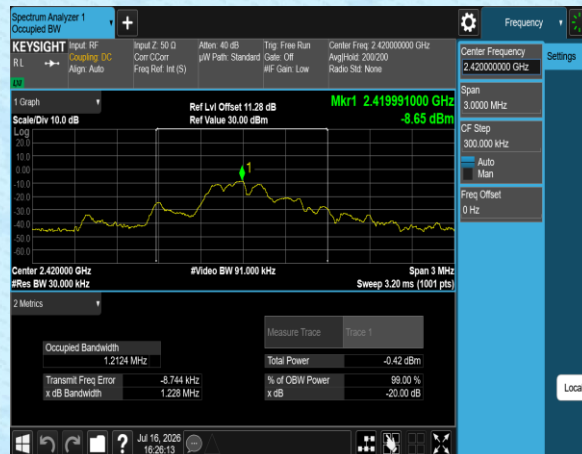
7.3 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.10:2020
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

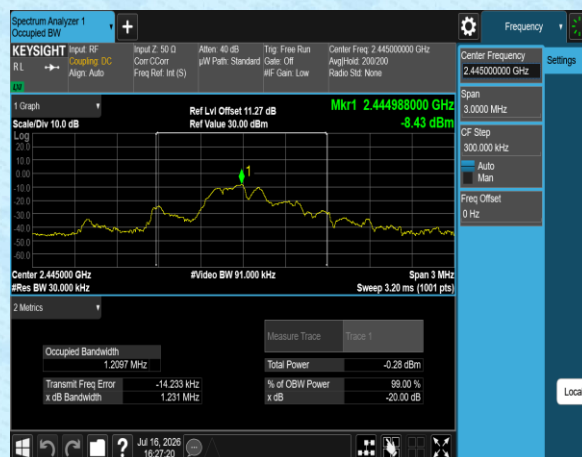
Measurement Data

Test channel	20dB bandwidth(MHz)	Result
Lowest	1.228	Pass
Middle	1.231	Pass
Highest	1.222	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-----