

TEST REPORT

Applicant: HANSHOW TECHNOLOGY CO.,LTD.

Address of Applicant: Building 1(IF podium building and 4F) and Building 5 (7F) in Jiaxing Photovolta High-tech Park, No.1288 Kanghe Rd., Xiuzhou District, Jiaxing, Zhejiang, China

Manufacturer: HANSHOW TECHNOLOGY CO.,LTD.

Address of Manufacturer: Building 1(IF podium building and 4F) and Building 5 (7F) in Jiaxing Photovolta High-tech Park, No.1288 Kanghe Rd., Xiuzhou District, Jiaxing, Zhejiang, China

Equipment Under Test (EUT)

Product Name: electronic shelf label

Model No.: Polaris-260Q-N

FCC ID: 2AYMH-P0260

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

Date of sample receipt: August 17, 2026

Date of Test: August 17-20, 2026

Date of report issued: August 20, 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 20, 2026	Original

Tested By:

Josh. Gai

Date:

August 20, 2026

Test Engineer

Prepared By:

Jessie Lu

Date:

August 20, 2026

Project Engineer

Check By:

Robinson Lu

Date:

August 20, 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:	electronic shelf label
Model No.:	Polaris-260Q-N
Serial No.:	N/A
Test sample(s) ID:	GTS2026080316-1
Sample(s) Status	Engineered sample
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	157
Modulation Type:	GFSK
Antenna Type:	PCB Antenna
Antenna gain:	-1.5dBi(declare by applicant)
Power supply:	DC 3V(1*3V Size“CR2450” Lithium 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.

The test frequencies are below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2441MHz
The Highest channel	2480MHz

Operation Frequency each of channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
4	2402.0	44	2422.0	84	2442.0	124	2462.0
5	2402.5	45	2422.5	85	2442.5	125	2462.5
6	2403.0	46	2423.0	86	2443.0	126	2463.0
7	2403.5	47	2423.5	87	2443.5	127	2463.5
8	2404.0	48	2424.0	88	2444.0	128	2464.0
9	2404.5	49	2424.5	89	2444.5	129	2464.5
10	2405.0	50	2425.0	90	2445.0	130	2465.0
11	2405.5	51	2425.5	91	2445.5	131	2465.5
12	2406.0	52	2426.0	92	2446.0	132	2466.0
13	2406.5	53	2426.5	93	2446.5	133	2466.5
14	2407.0	54	2427.0	94	2447.0	134	2467.0
15	2407.5	55	2427.5	95	2447.5	135	2467.5
16	2408.0	56	2428.0	96	2448.0	136	2468.0
17	2408.5	57	2428.5	97	2448.5	137	2468.5
18	2409.0	58	2429.0	98	2449.0	138	2469.0
19	2409.5	59	2429.5	99	2449.5	139	2469.5
20	2410.0	60	2430.0	100	2450.0	140	2470.0
21	2410.5	61	2430.5	101	2450.5	141	2470.5
22	2411.0	62	2431.0	102	2451.0	142	2471.0
23	2411.5	63	2431.5	103	2451.5	143	2471.5
24	2412.0	64	2432.0	104	2452.0	144	2472.0
25	2412.5	65	2432.5	105	2452.5	145	2472.5
26	2413.0	66	2433.0	106	2453.0	146	2473.0
27	2413.5	67	2433.5	107	2453.5	147	2473.5
28	2414.0	68	2434.0	108	2454.0	148	2474.0
29	2414.5	69	2434.5	109	2454.5	149	2474.5
30	2415.0	70	2435.0	110	2455.0	150	2475.0
31	2415.5	71	2435.5	111	2455.5	151	2475.5
32	2416.0	72	2436.0	112	2456.0	152	2476.0
33	2416.5	73	2436.5	113	2456.5	153	2476.5
34	2417.0	74	2437.0	114	2457.0	154	2477.0
35	2417.5	75	2437.5	115	2457.5	155	2477.5
36	2418.0	76	2438.0	116	2458.0	156	2478.0
37	2418.5	77	2438.5	117	2458.5	157	2478.5
38	2419.0	78	2439.0	118	2459.0	158	2479.0
39	2419.5	79	2439.5	119	2459.5	159	2479.5
40	2420.0	80	2440.0	120	2460.0	160	2480.0
41	2420.5	81	2440.5	121	2460.5		
42	2421.0	82	2441.0	122	2461.0		
43	2421.5	83	2441.5	123	2461.5		

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)	86.56	87.36	85.14

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. 10, 2026	Apr. 09, 2027
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	MXA Signal Analyzer	Agilent	N9020A	GTS566	Apr. 10, 2026	Apr. 09, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Jun. 03, 2026	Jun. 02, 2027
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	Apr. 10, 2026	Apr. 09, 2027
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	Apr. 10, 2026	Apr. 09, 2027
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 10, 2026	Apr. 09, 2027
6	Wideband Power Meter	Keysight	N1924A	GTS673	Apr. 10, 2026	Apr. 09, 2027
7	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 10, 2026	Apr. 09, 2027
8	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 10, 2026	Apr. 09, 2027
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 10, 2026	Apr. 09, 2027
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 14, 2026	Apr. 13, 2027
11	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 01, 2025	Oct. 31, 2026

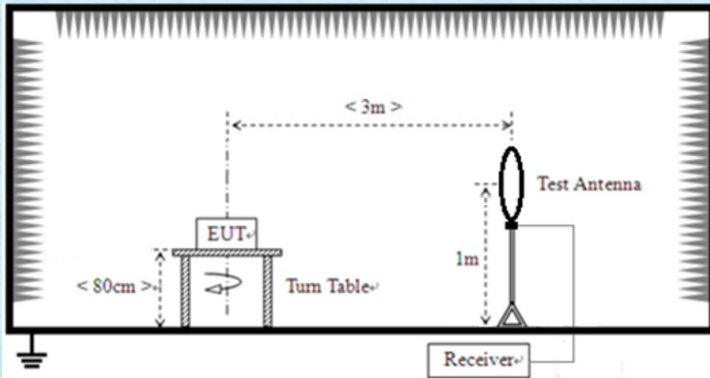
General used equipment:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Barometer	KUMAO	SF132	GTS647	Jul. 21, 2026	Jul. 20, 2027

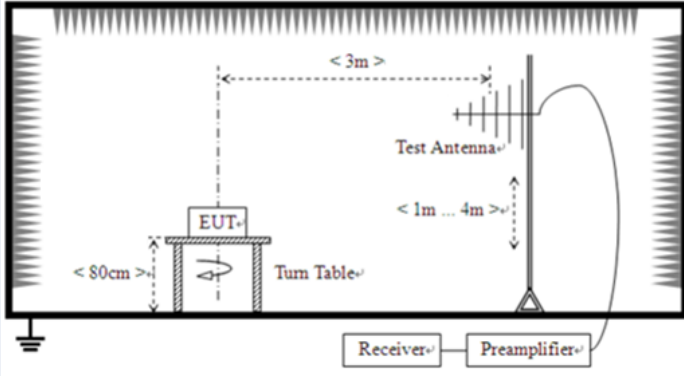
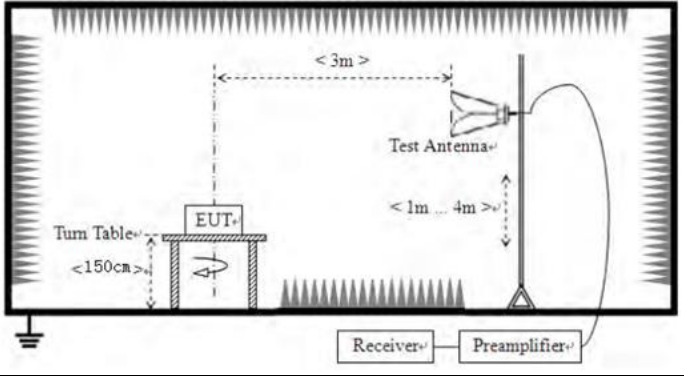
7 Test results and Measurement Data

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.	
EUT Antenna:	
The antenna is PCB antenna, reference to the appendix II for details.	

7.2 Radiated Emission Method

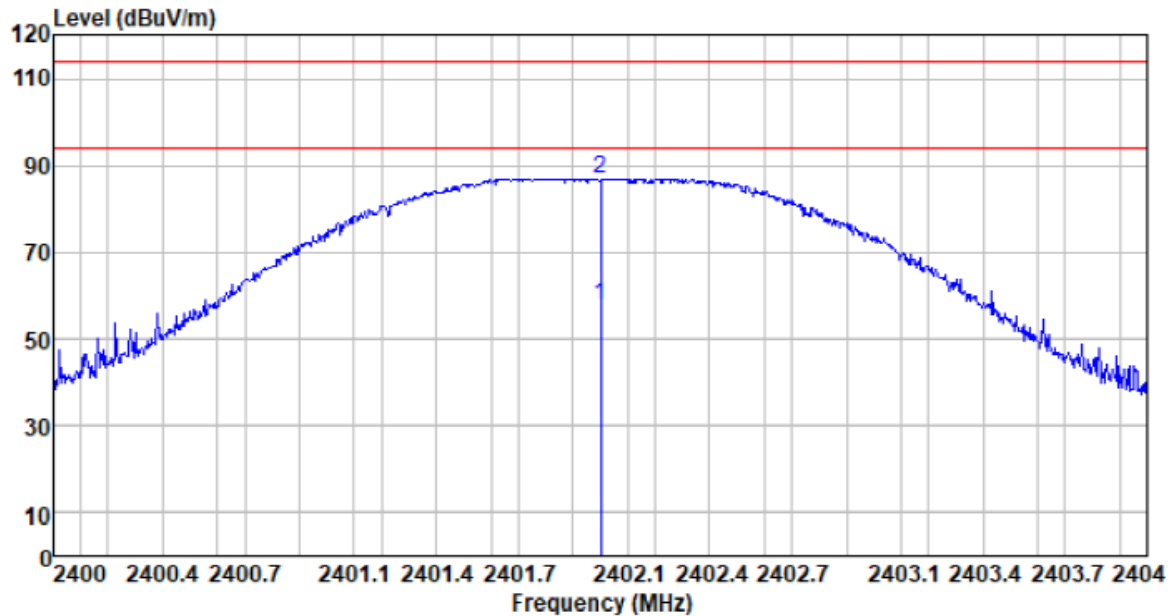
Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2020				
Test Frequency Range:	9kHz to 25GHz				
Test site:	Measurement Distance: 3m				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz-150kHz	Quasi-peak	200Hz	300Hz	Quasi-peak Value
	150kHz-30MHz	Quasi-peak	9kHz	10kHz	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 5000 @3m		Average Value 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

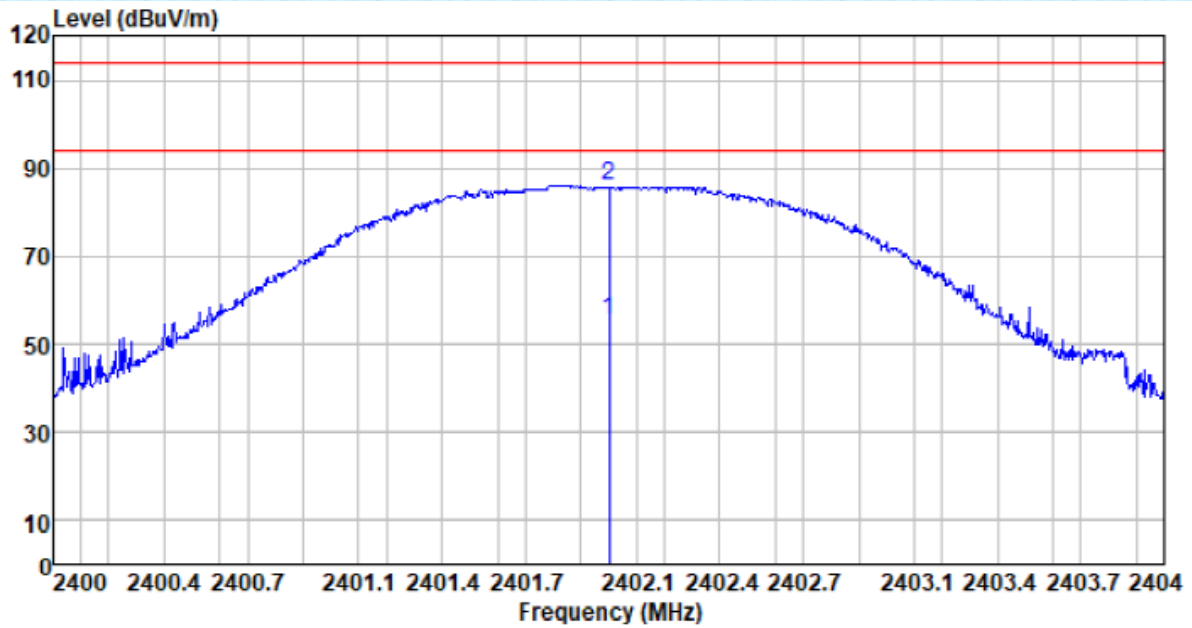
Test channel:	Lowest	polarization	Horizontal
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Remarks:

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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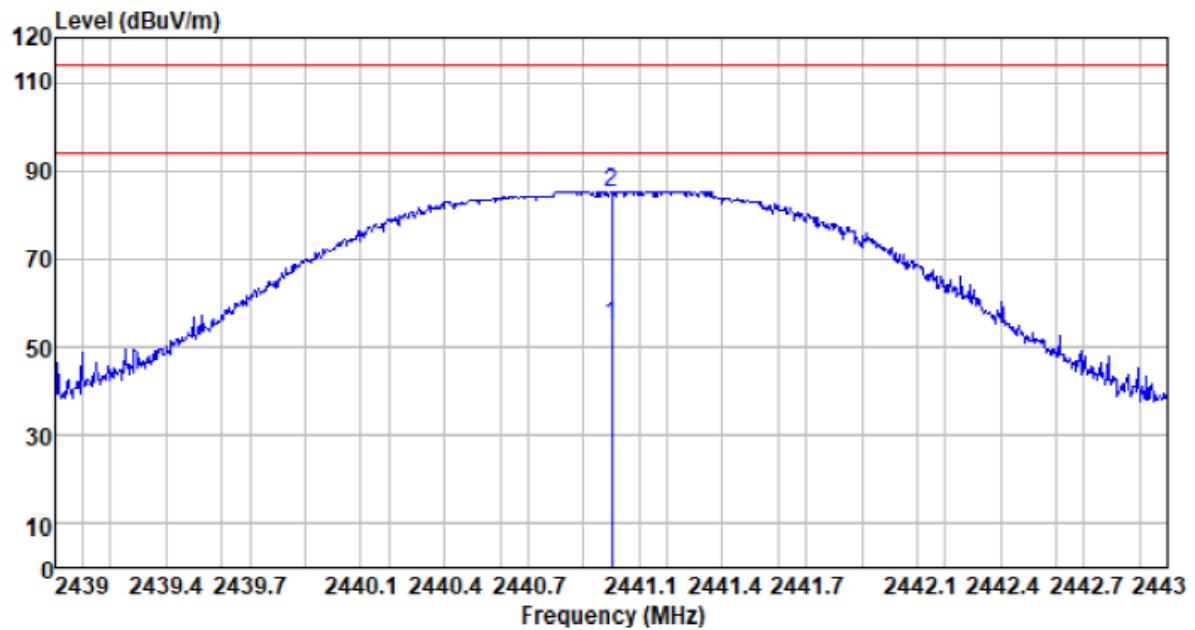


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2402.000	63.23	26.96	4.11	38.88	55.42	94.00	-38.58	Average
2402.000	93.68	26.96	4.11	38.88	85.87	114.00	-28.13	Peak

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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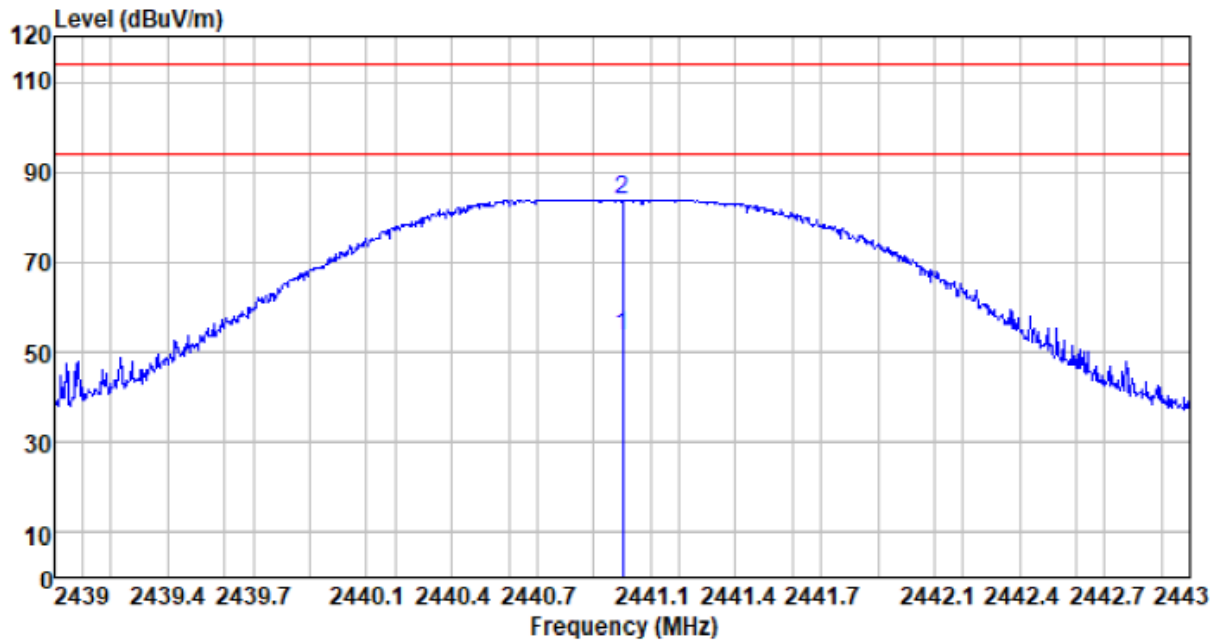


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2441.000	62.66	27.23	4.12	38.89	55.12	94.00	-38.88	Average
2441.000	92.71	27.23	4.12	38.89	85.17	114.00	-28.83	Peak

Remarks:

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

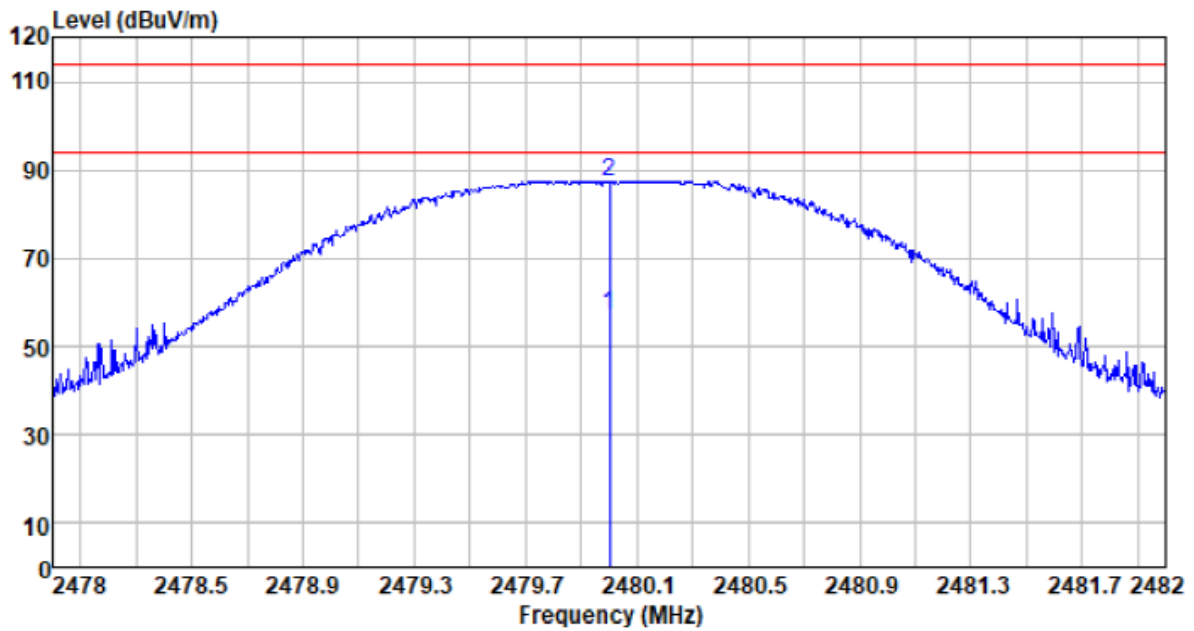
Test channel:	Middle	polarization	Vertical
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Remarks:

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

Test channel:	Highest	polarization	Horizontal
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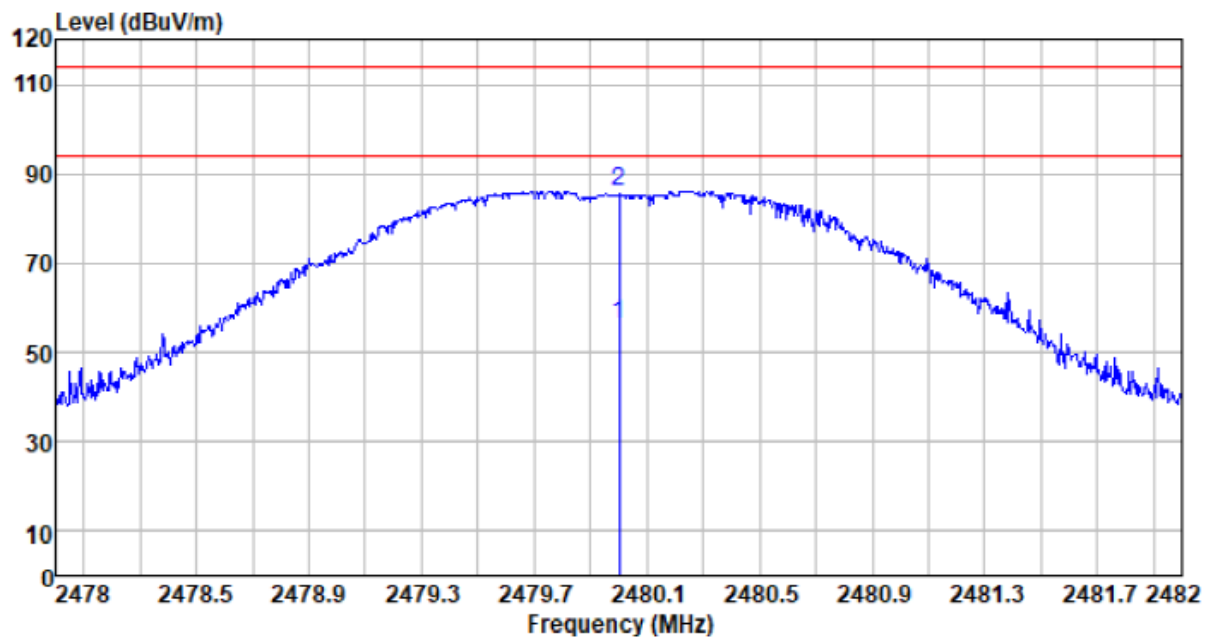


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2480.000	65.11	26.85	4.13	38.90	57.19	94.00	-36.81	Average
2480.000	95.28	26.85	4.13	38.90	87.36	114.00	-26.64	Peak

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
2480.000	62.98	28.14	4.13	38.90	56.35	94.00	-37.65	Average
2480.000	92.51	28.14	4.13	38.90	85.88	114.00	-28.12	Peak

Remarks:

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

Note: RBW>20dB BW, VBW> RBW, PK detector is for PK value, AV detector is for AV value .

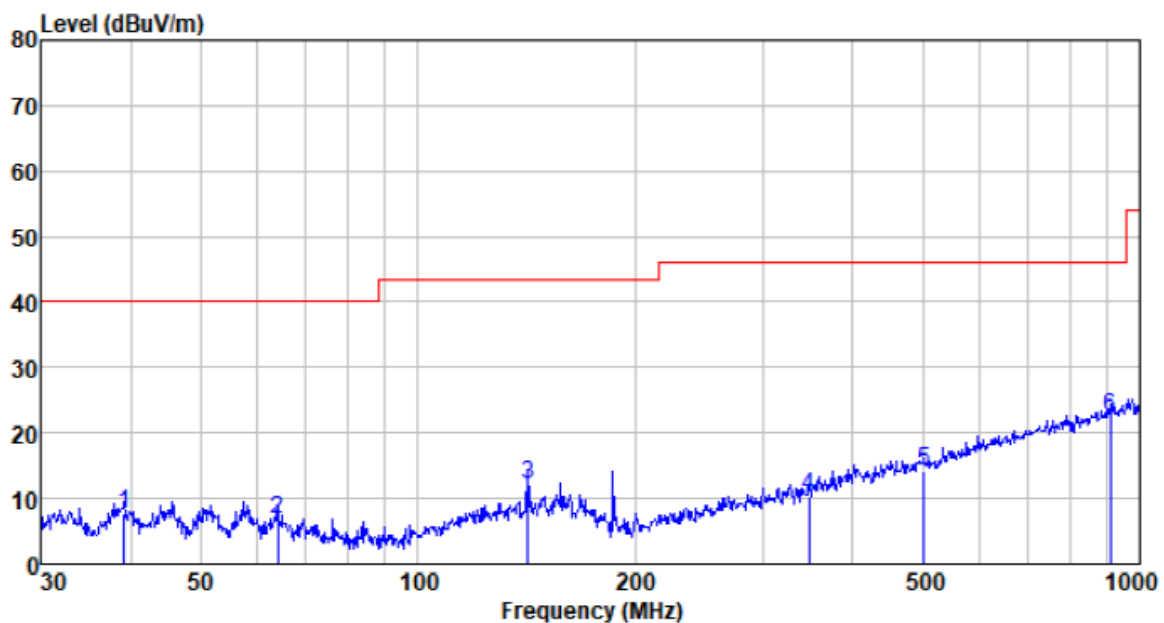
7.2.2 Spurious emissions

■ 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 2402MHz, and so only show the test result of it
Horizontal

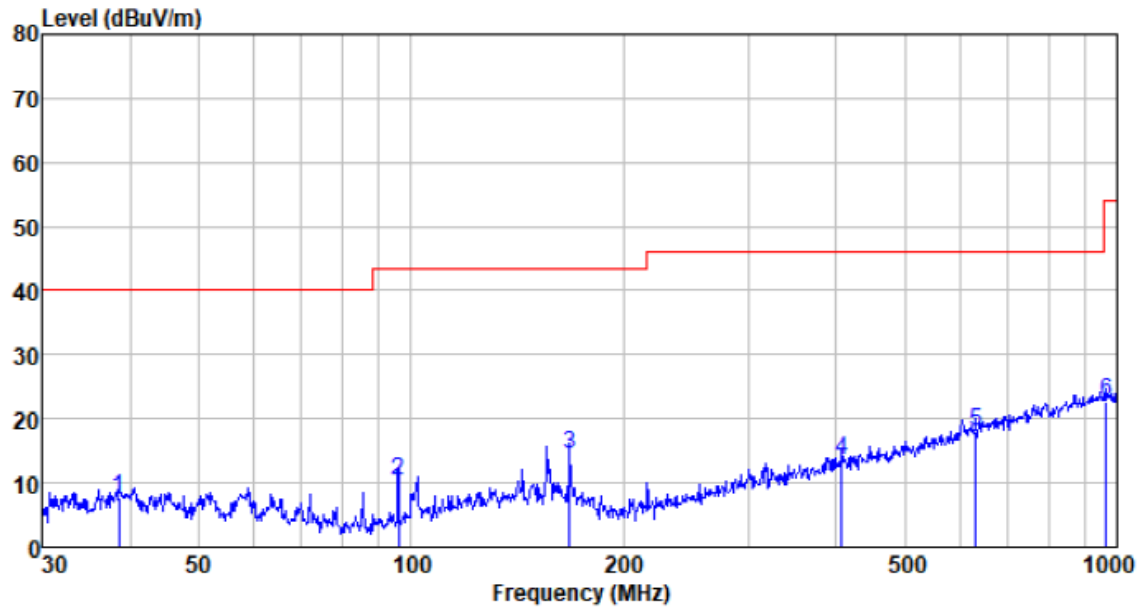


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
39.162	26.14	13.55	1.30	33.40	7.59	40.00	-32.41	QP
63.983	26.84	11.70	1.61	33.36	6.79	40.00	-33.21	QP
141.826	29.66	13.27	2.33	33.20	12.06	43.50	-31.44	QP
348.027	25.10	14.26	3.84	32.84	10.36	46.00	-35.64	QP
502.940	25.00	17.20	4.70	32.69	14.21	46.00	-31.79	QP
909.667	24.75	22.60	6.35	31.31	22.39	46.00	-23.61	QP

Remarks:

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

Vertical



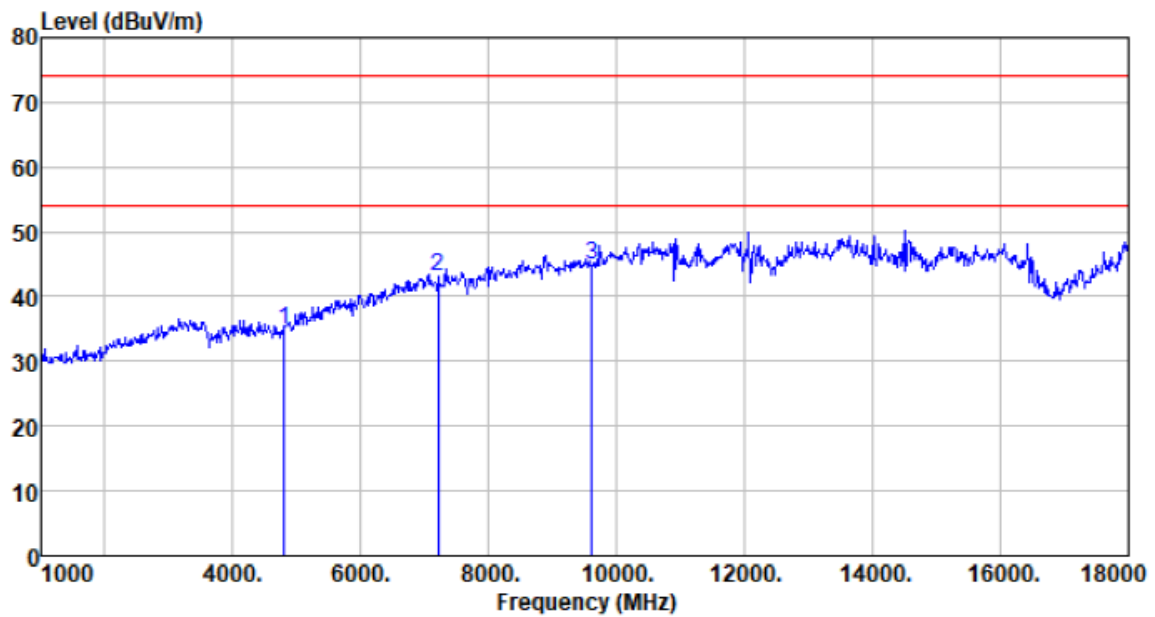
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
38.616	26.17	13.50	1.29	33.40	7.56	40.00	-32.44	QP
96.099	32.45	9.32	1.98	33.31	10.44	43.50	-33.06	QP
167.824	32.13	12.92	2.47	33.15	14.37	43.50	-29.13	QP
407.515	26.46	15.65	4.15	32.78	13.48	46.00	-32.52	QP
631.688	25.30	19.67	5.31	32.35	17.93	46.00	-28.07	QP
965.542	23.87	23.21	6.58	30.99	22.67	54.00	-31.33	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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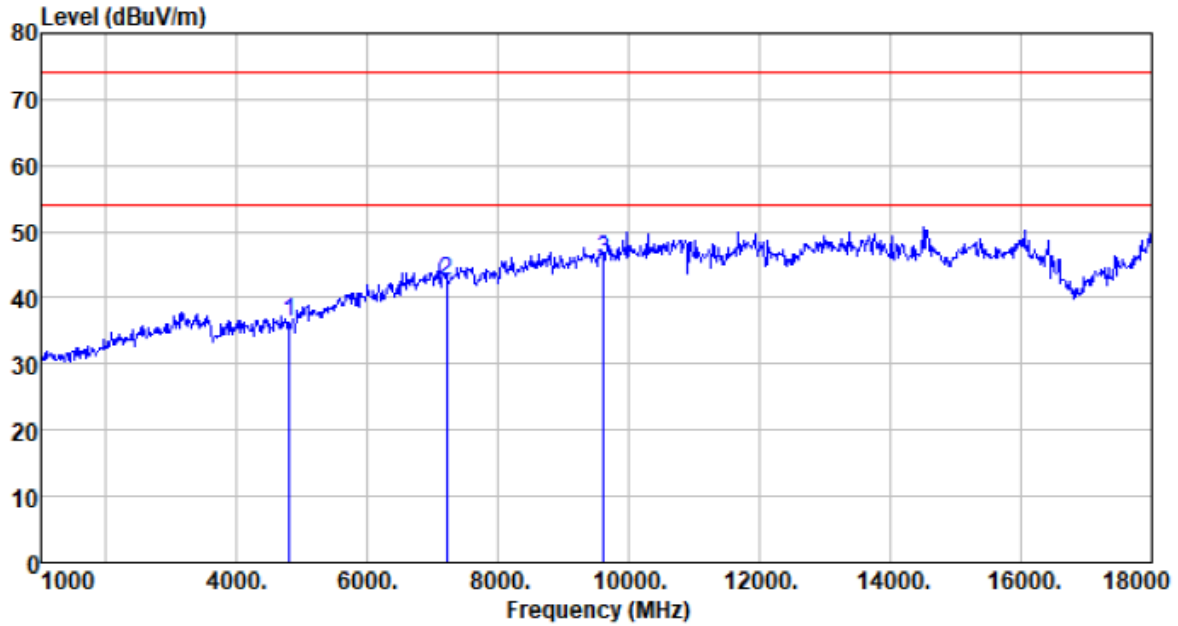


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4804.000	35.20	32.22	5.56	38.02	34.96	74.00	-39.04	Peak
7206.000	37.36	36.41	7.17	37.96	42.98	74.00	-31.02	Peak
9608.000	36.79	38.20	9.07	39.18	44.88	74.00	-29.12	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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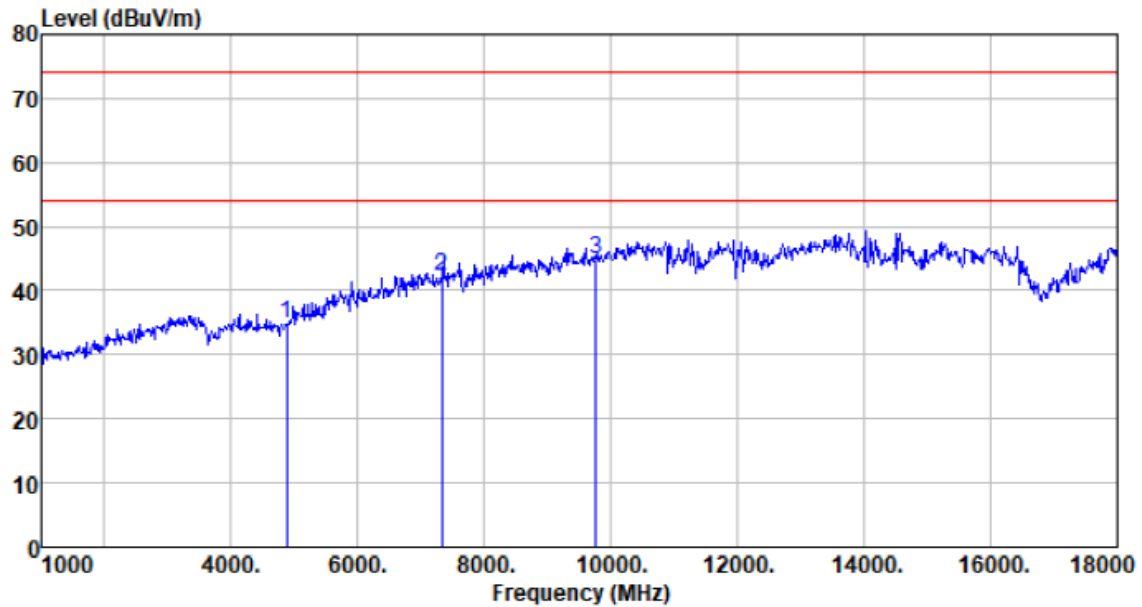


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4804.000	36.43	32.22	5.56	38.02	36.19	74.00	-37.81	Peak
7206.000	36.95	36.41	7.17	37.96	42.57	74.00	-31.43	Peak
9608.000	37.56	38.20	9.07	39.18	45.65	74.00	-28.35	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:	Middle	polarization	Horizontal
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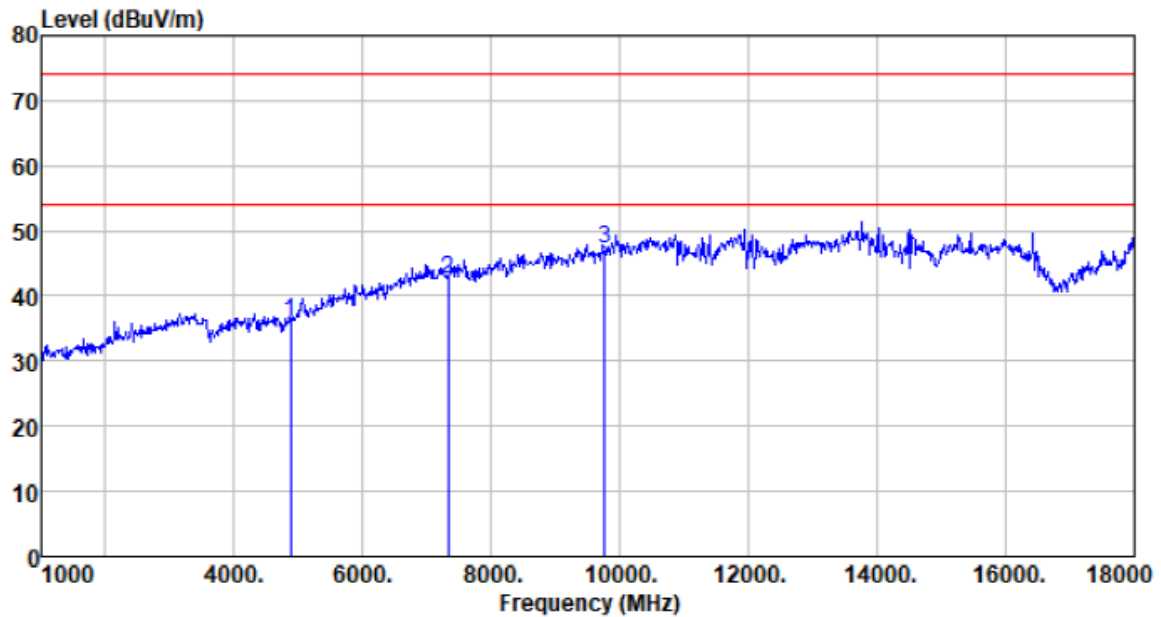


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4882.000	34.59	32.56	5.66	37.97	34.84	74.00	-39.16	Peak
7323.000	36.26	36.65	7.26	38.06	42.11	74.00	-31.89	Peak
9764.000	36.71	38.30	9.17	39.23	44.95	74.00	-29.05	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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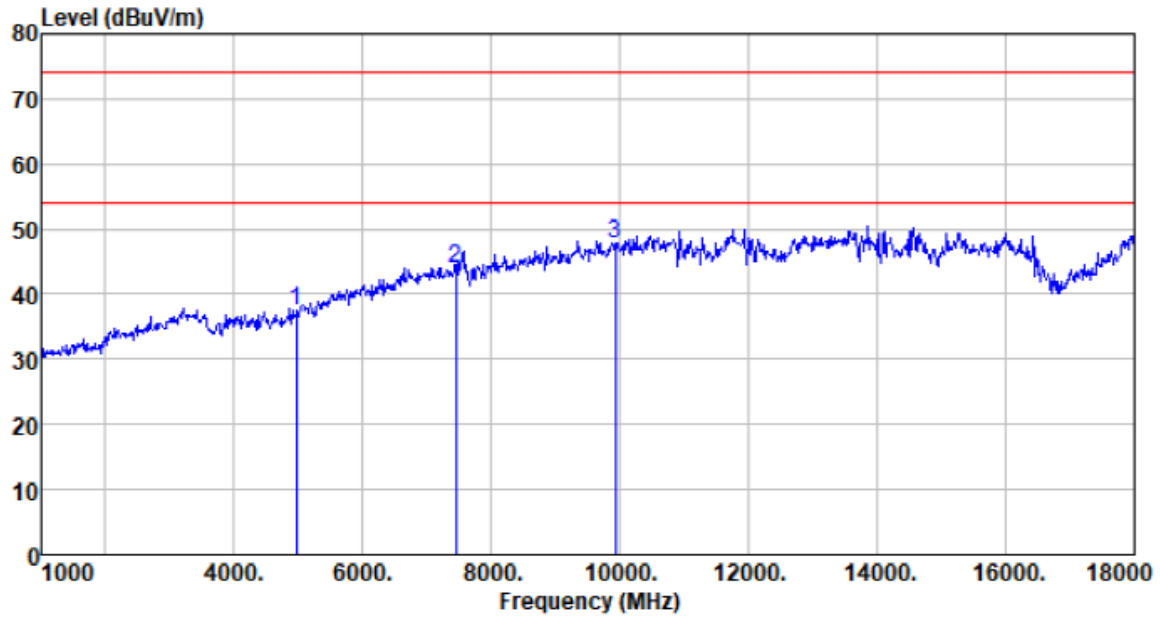


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4882.000	35.70	32.56	5.66	37.97	35.95	74.00	-38.05	Peak
7323.000	36.79	36.65	7.26	38.06	42.64	74.00	-31.36	Peak
9764.000	38.96	38.30	9.17	39.23	47.20	74.00	-26.80	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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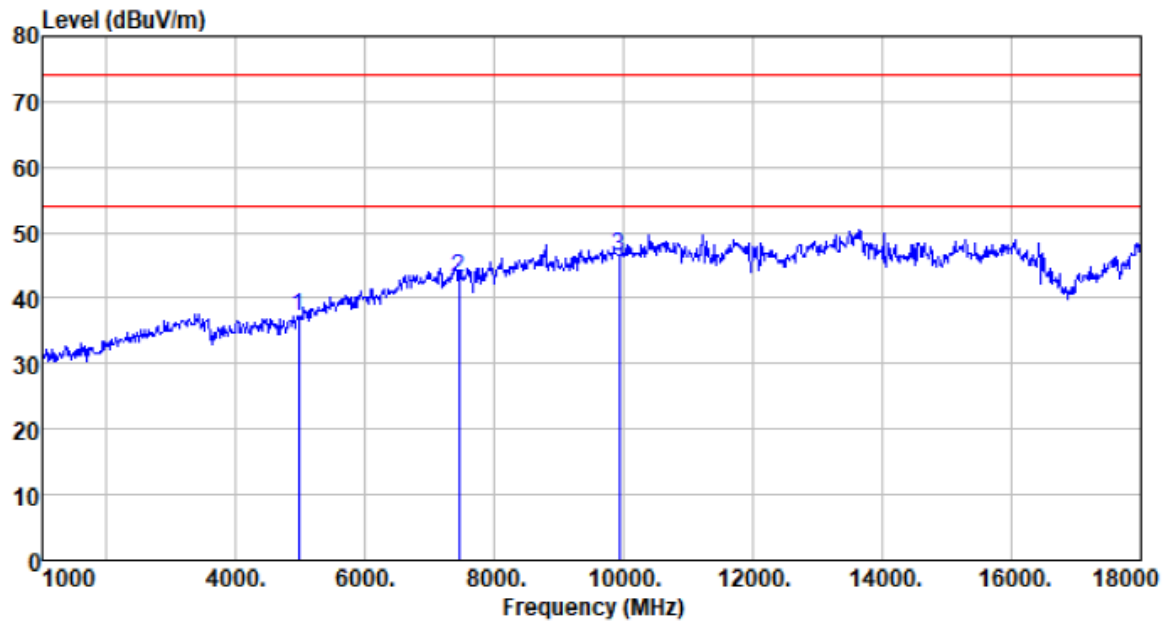


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
4960.000	36.78	32.74	5.77	37.92	37.37	74.00	-36.63	Peak
7440.000	38.24	36.68	7.33	38.15	44.10	74.00	-29.90	Peak
9920.000	39.59	38.40	9.24	39.28	47.95	74.00	-26.05	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
4960.000	36.73	32.74	5.77	37.92	37.32	74.00	-36.68	Peak
7440.000	37.30	36.68	7.33	38.15	43.16	74.00	-30.84	Peak
9920.000	38.10	38.40	9.24	39.28	46.46	74.00	-27.54	Peak

Remarks:

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

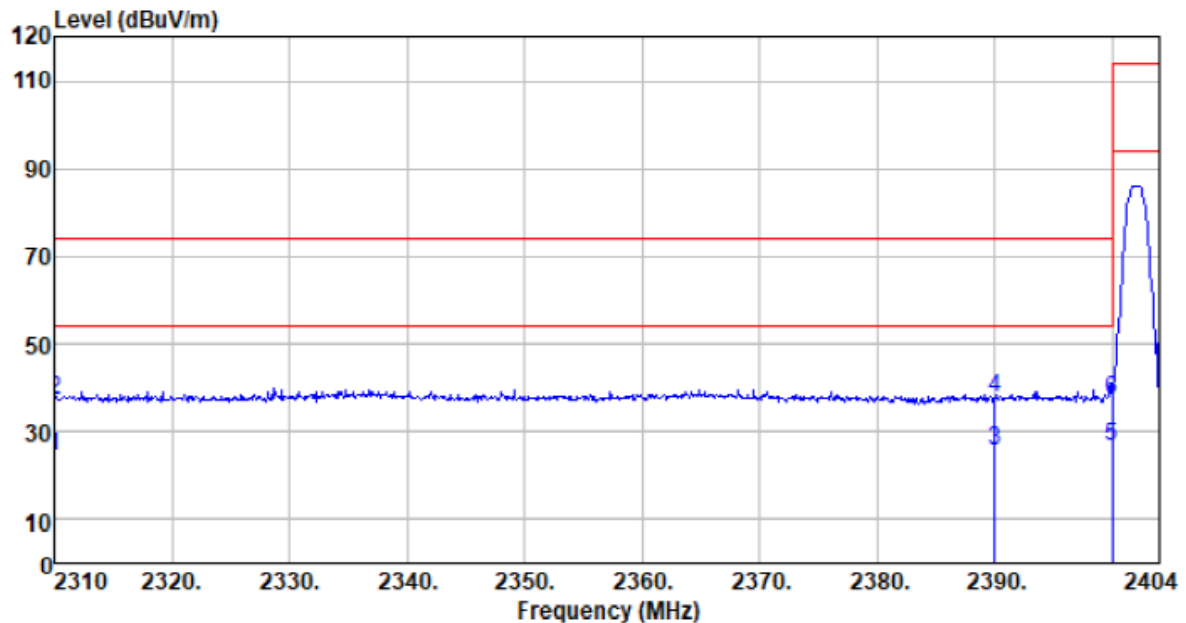
Remarks:

1. Final Level(dBuV/m)=Reading level(dBuV)+Antenna Factor(dB/m)+Cable Loss(dB)-Preamp Factor(dB)
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. For above 18GHz, no emission found.
4. 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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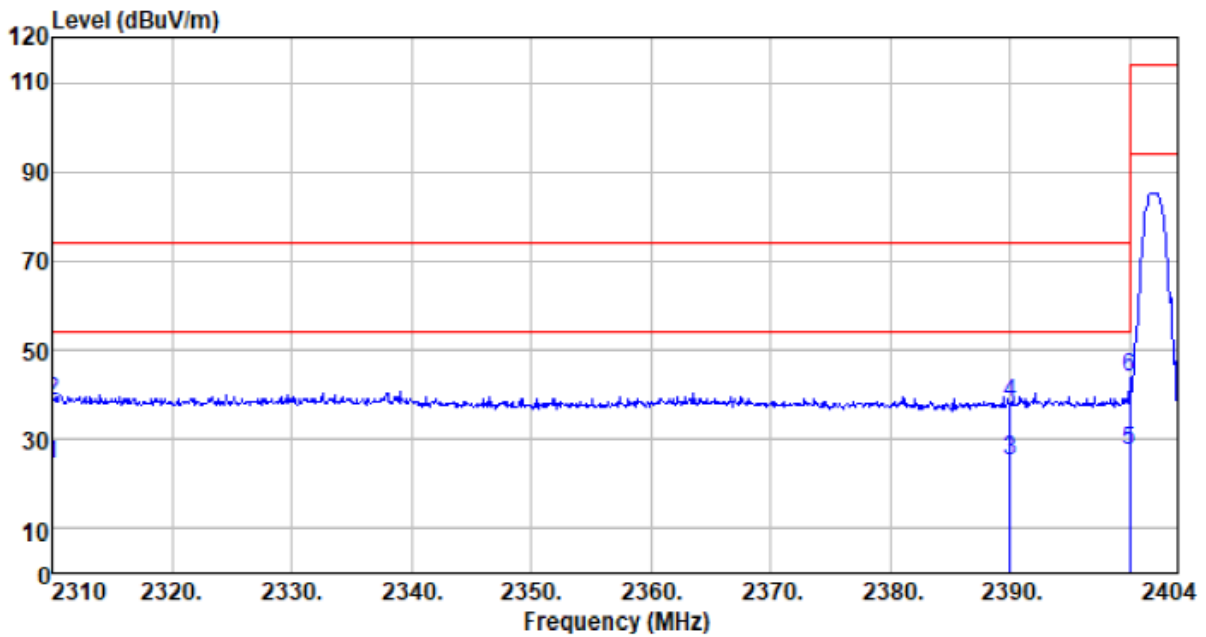


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	32.26	26.66	4.09	38.86	24.15	54.00	-29.85	Average
2310.000	45.45	26.66	4.09	38.86	37.34	74.00	-36.66	Peak
2390.000	33.82	26.62	4.11	38.88	25.67	54.00	-28.33	Average
2390.000	45.92	26.62	4.11	38.88	37.77	74.00	-36.23	Peak
2400.000	34.79	26.43	4.11	38.88	26.45	54.00	-27.55	Average
2400.000	45.69	26.43	4.11	38.88	37.35	74.00	-36.65	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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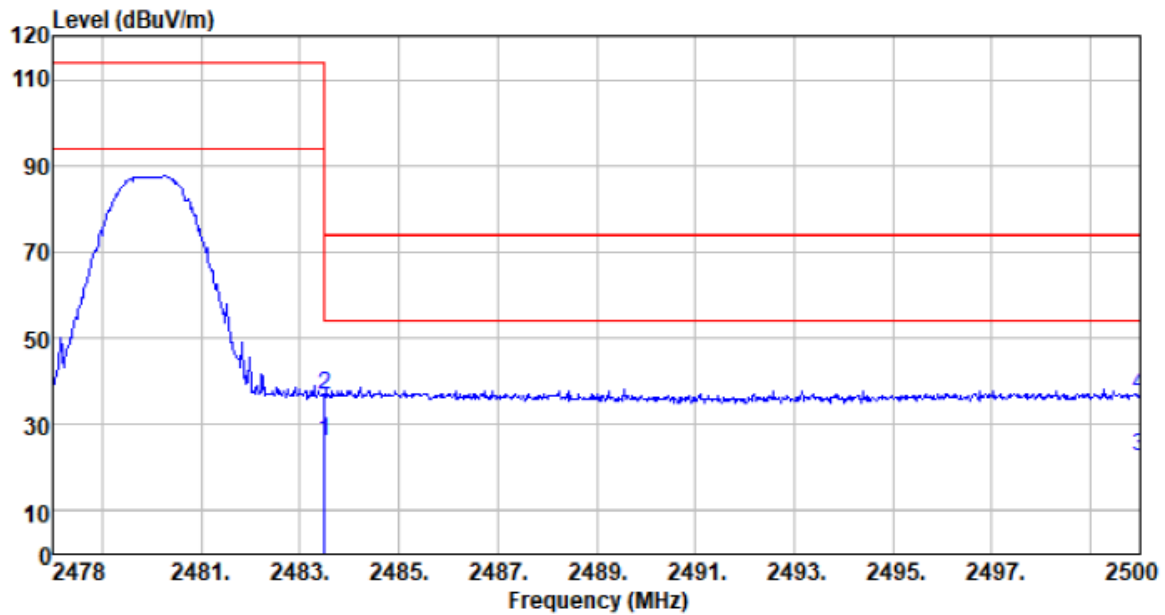


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2310.000	31.24	28.05	4.09	38.86	24.52	54.00	-29.48	Average
2310.000	45.14	28.05	4.09	38.86	38.42	74.00	-35.58	Peak
2389.994	32.79	27.03	4.11	38.88	25.05	54.00	-28.95	Average
2389.994	45.67	27.03	4.11	38.88	37.93	74.00	-36.07	Peak
2400.000	35.42	26.94	4.11	38.88	27.59	54.00	-26.41	Average
2400.000	51.55	26.94	4.11	38.88	43.72	74.00	-30.28	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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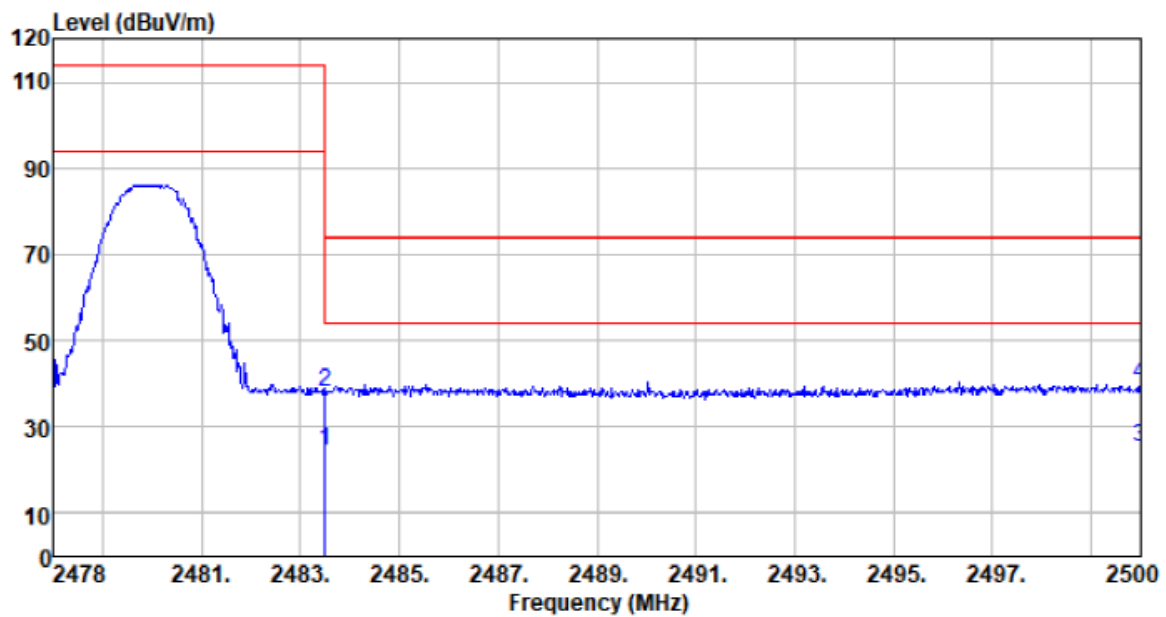


Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	Final level dBuV/m	Limit level dBuV/m	Over limit dB	Remark
2483.500	33.95	26.78	4.13	38.90	25.96	54.00	-28.04	Average
2483.500	44.87	26.78	4.13	38.90	36.88	74.00	-37.12	Peak
2500.000	31.05	26.48	4.14	38.90	22.77	54.00	-31.23	Average
2500.000	44.99	26.48	4.14	38.90	36.71	74.00	-37.29	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
2483.500	30.92	28.22	4.13	38.90	24.37	54.00	-29.63	Average
2483.500	44.76	28.22	4.13	38.90	38.21	74.00	-35.79	Peak
2500.000	31.48	28.63	4.14	38.90	25.35	54.00	-28.65	Average
2500.000	45.82	28.63	4.14	38.90	39.69	74.00	-34.31	Peak

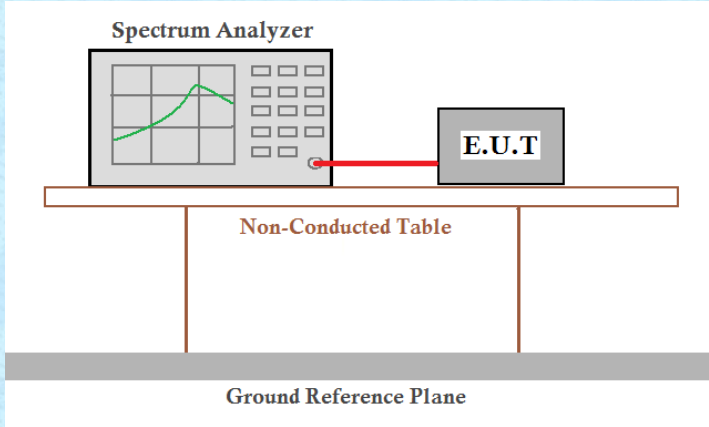
Remarks:

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

Remark:

- Final Level(dBuV/m)=Reading level(dBuV)+Antenna Factor(dB/m)+Cable Loss(dB)-Preamp Factor(dB)
- For above 18GHz, no emission found

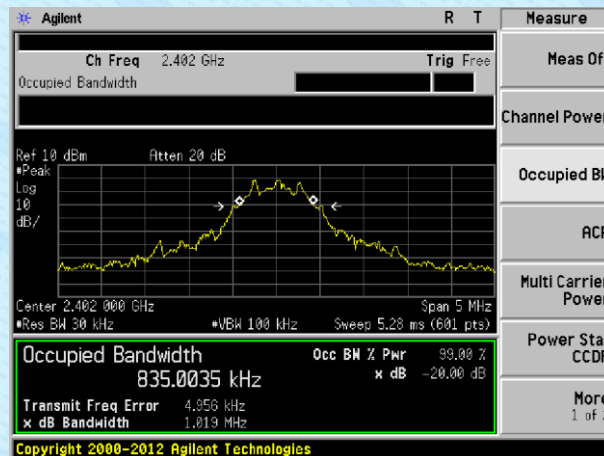
7.3 20dB Occupy Bandwidth

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

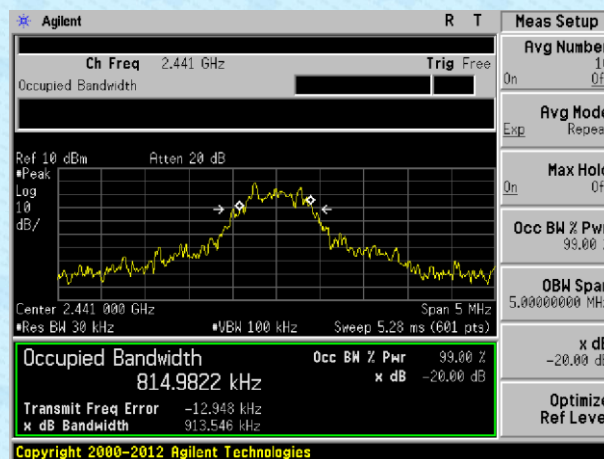
Measurement Data

Test channel	20dB bandwidth(MHz)	Result
Lowest	1.019	Pass
Middle	0.914	Pass
Highest	1.019	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-----