

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: ESL Controller

Model No.: HS_C09961

FCC ID: 2AYMH-P9961

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

Date of sample receipt: September 25, 2024

Date of Test: September 25, 2024-October 24, 2024

Date of report issued: October 25, 2024

Test Result : PASS *

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

Authorized Signature:



Robinson Luo

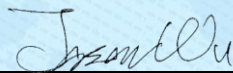
Laboratory Manager

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	October 25, 2024	Original

Prepared By:

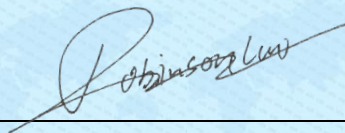


Date:

October 25, 2024

Project Engineer

Check By:



Date:

October 25, 2024

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	Pass
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.

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:	ESL Controller
Model No.:	HS_C09961
S/N:	927430061594116723
Test sample(s) ID:	GTS2024090177-1
Sample(s) Status	Engineered sample
Operation Frequency:	2402MHz~2480MHz
Channel Numbers:	157
Channel Separation:	0.5MHz
Modulation Type:	GFSK
Antenna Type:	Internal Antenna
Antenna gain:	ANT1:4.07dBi ANT2:4.27dBi ANT3:3.91dBi ANT4:4.17dBi ANT5:4.25dBi
Power supply:	DC 12.0V by Adapter Or DC 36V~57V by POE

Remark:

1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.
3. All 5 antennas transmitters were work in asynchronous status.
4. Both two power supply modes were tested and only reported the worst case adapter.

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

The test frequencies are below:

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

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 and defined as follows:

Axis	X	Y	Z
Field Strength(dBuV/m)	78.58	78.90	78.01

5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number
GTS	Adapter	K651-1205000D	N/A

5.4 Deviation from Standards

None.

5.5 Abnormalities from Standard Conditions

None.

5.6 Test Facility

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

- **FCC—Registration No.: 381383**

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	Jun. 22, 2024	Jun. 21, 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. 11, 2024	Apr. 10, 2025
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Mar. 19, 2023	Mar. 18, 2025
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 17, 2023	Apr. 16, 2025
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Apr. 11, 2024	Apr. 10, 2025
8	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 13, 2023	Nov.12, 2024
9	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 11, 2024	Apr. 10, 2025
10	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 11, 2024	Apr. 10, 2025
11	Horn Antenna (18-26.5GHz)	/	UG-598A/U	GTS664	Oct. 29, 2023	Oct. 28, 2024
12	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 29, 2023	Oct. 28, 2024
13	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	Mar. 12, 2024	Mar. 11, 2025
14	Amplifier	/	LNA-1000-30S	GTS650	Apr. 11, 2024	Apr. 10, 2025
15	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 08, 2023	Nov. 07, 2024
16	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 11, 2024	Apr. 10, 2025
17	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 18, 2024	Apr. 17, 2025
18	RE cable 1	GTS	N/A	GTS675	Jul. 02, 2024	Jul. 01, 2025
19	RE cable 2	GTS	N/A	GTS676	Jul. 02, 2024	Jul. 01, 2025
20	RE cable 3	GTS	N/A	GTS677	Jul. 02, 2024	Jul. 01, 2025
21	RE cable 4	GTS	N/A	GTS678	Jul. 02, 2024	Jul. 01, 2025
22	RE cable 5	GTS	N/A	GTS679	Jul. 02, 2024	Jul. 01, 2025
23	RE cable 6	GTS	N/A	GTS680	Jul. 02, 2024	Jul. 01, 2025
24	RE cable 7	GTS	N/A	GTS681	Jul. 05, 2024	Jul. 04, 2025
25	RE cable 8	GTS	N/A	GTS682	Jul. 05, 2024	Jul. 04, 2025

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	Jul. 12, 2022	Jul. 11, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Apr. 11, 2024	Apr. 10, 2025
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	Apr. 11, 2024	Apr. 10, 2025
4	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
6	Thermo meter	JINCHUANG	GSP-8A	GTS642	Apr. 18, 2024	Apr. 17, 2025
7	Absorbing clamp	Elektronik-Feinmechanik	MDS21	GTS229	Apr. 11, 2024	Apr. 10, 2025
8	ISN	SCHWARZBECK	NTFM 8158	GTS565	Apr. 11, 2024	Apr. 10, 2025
9	High voltage probe	SCHWARZBECK	TK9420	GTS537	Apr. 11, 2024	Apr. 10, 2025
10	Antenna end assembly	Weinschel	1870A	GTS560	Apr. 11, 2024	Apr. 10, 2025

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. 13, 2024	Apr. 12, 2025
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Apr. 13, 2024	Apr. 12, 2025
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	Apr. 13, 2024	Apr. 12, 2025
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	Apr. 13, 2024	Apr. 12, 2025
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 13, 2024	Apr. 12, 2025
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 13, 2024	Apr. 12, 2025
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 13, 2024	Apr. 12, 2025
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 13, 2024	Apr. 12, 2025
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 18, 2024	Apr. 17, 2025
10	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 03, 2023	Nov. 02, 2024

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	Apr. 18, 2024	Apr. 17, 2025

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.	

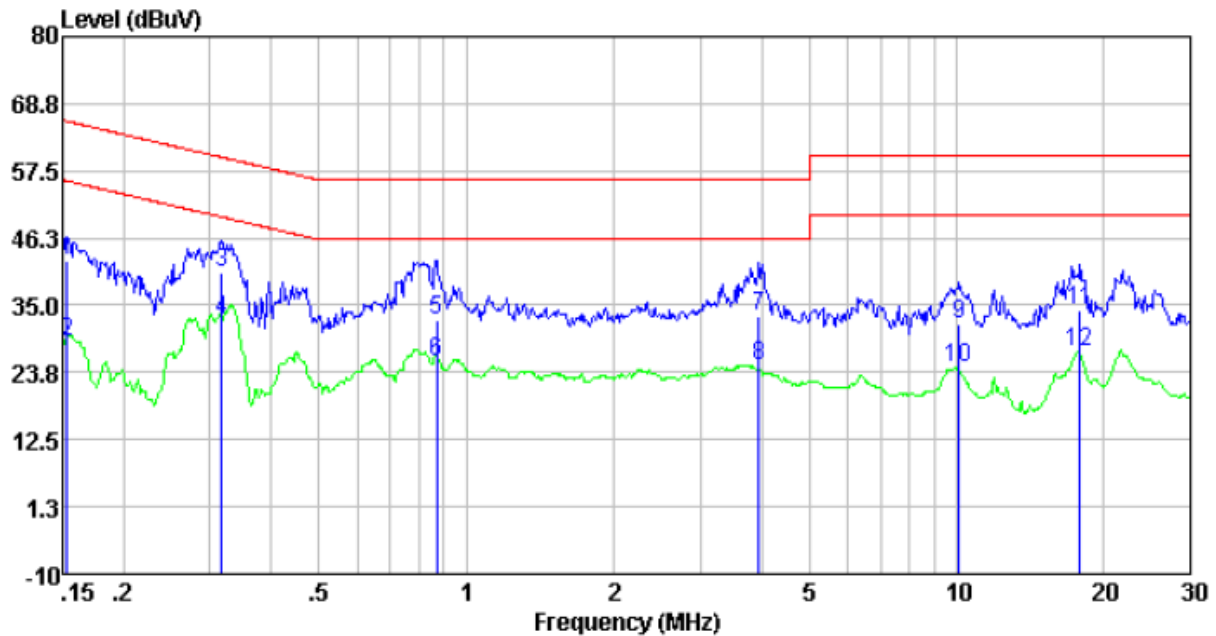
7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	150KHz to 30MHz						
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:	Reference Plane <i>Remark</i> E.U.T: Equipment Under Test LISN: Line Impedance 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 C63.10:2013 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 voltage:	AC 120V, 60Hz						
Test results:	Pass						

Measurement data:

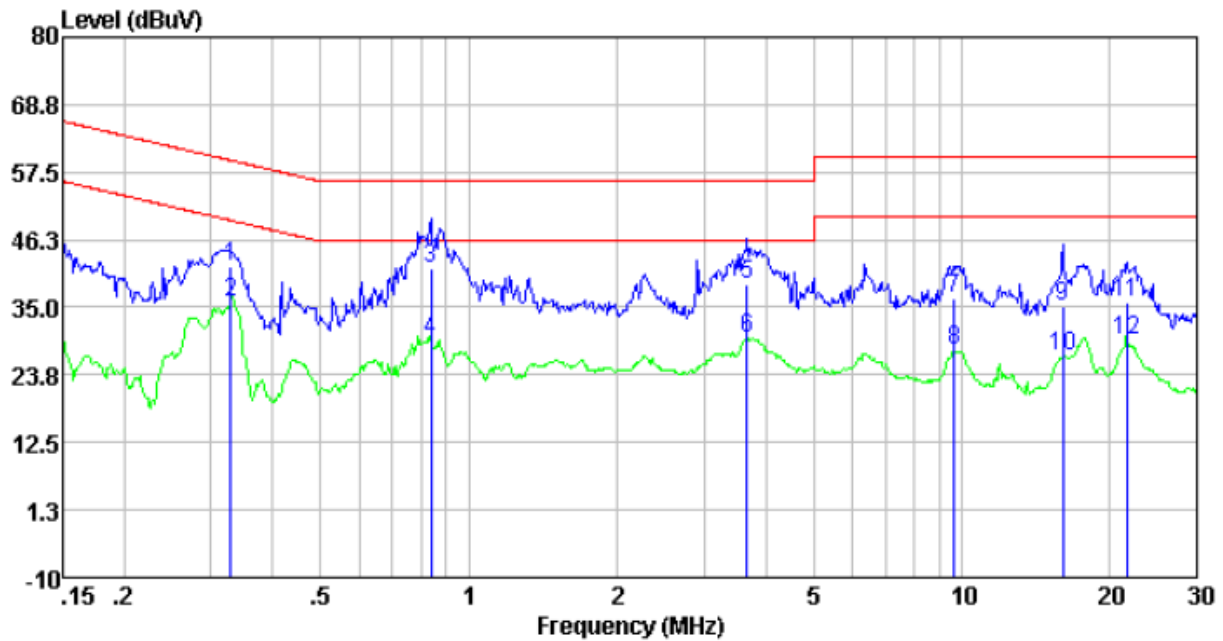
Pre-scan all test modes, found worst case at 2402MHz@ ANT 1, and so only show the test result of it.

Line:



Freq	Reading	LISN/ISN	Cable		Limit	Over	
	level	factor	loss	Level	level	limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.15	32.59	10.02	0.01	42.62	65.82	-23.20	QP
0.15	18.81	10.02	0.01	28.84	55.82	-26.98	Average
0.32	30.70	9.65	0.01	40.36	59.80	-19.44	QP
0.32	22.93	9.65	0.01	32.59	49.80	-17.21	Average
0.87	22.70	9.72	0.03	32.45	56.00	-23.55	QP
0.87	15.83	9.72	0.03	25.58	46.00	-20.42	Average
3.94	23.67	9.39	0.06	33.12	56.00	-22.88	QP
3.94	15.28	9.39	0.06	24.73	46.00	-21.27	Average
10.13	22.02	9.78	0.11	31.91	60.00	-28.09	QP
10.13	14.67	9.78	0.11	24.56	50.00	-25.44	Average
17.85	24.20	9.70	0.18	34.08	60.00	-25.92	QP
17.85	17.29	9.70	0.18	27.17	50.00	-22.83	Average

Neutral:



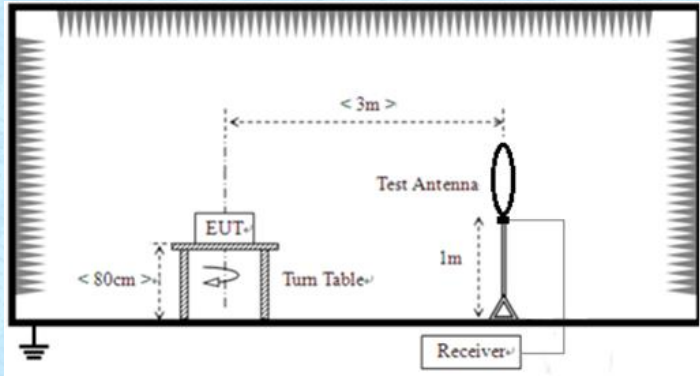
Freq	Reading level	LISN/ISN factor	Cable loss	Level	Limit level	Over limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
0.33	31.95	9.82	0.01	41.78	59.49	-17.71	QP
0.33	25.87	9.82	0.01	35.70	49.49	-13.79	Average
0.84	31.72	9.89	0.03	41.64	56.00	-14.36	QP
0.84	19.48	9.89	0.03	29.40	46.00	-16.60	Average
3.66	29.06	9.75	0.06	38.87	56.00	-17.13	QP
3.66	20.05	9.75	0.06	29.86	46.00	-16.14	Average
9.65	26.82	9.55	0.11	36.48	60.00	-23.52	QP
9.65	18.28	9.55	0.11	27.94	50.00	-22.06	Average
16.05	24.91	10.02	0.17	35.10	60.00	-24.90	QP
16.05	16.72	10.02	0.17	26.91	50.00	-23.09	Average
21.60	25.83	9.85	0.19	35.87	60.00	-24.13	QP
21.60	19.60	9.85	0.19	29.64	50.00	-20.36	Average

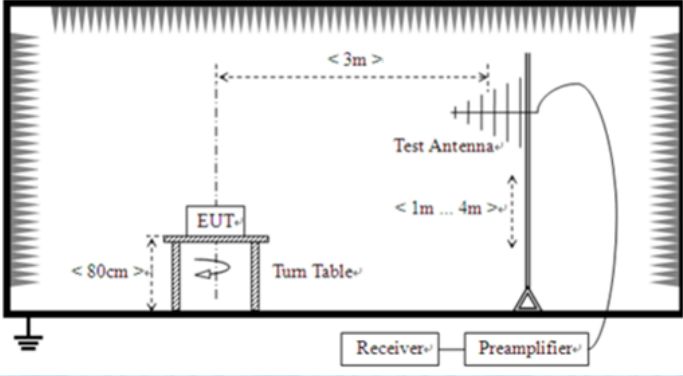
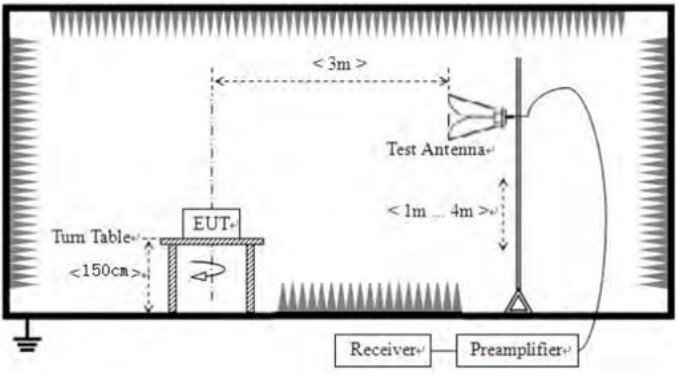
Notes:

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.

Final Level = Receiver Read level + LISN Factor + Cable Loss

7.3 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:	1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters 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.
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 voltage:	AC 120V, 60Hz
Test results:	Pass

Measurement data:**7.3.1 Field Strength of The Fundamental Signal****ANT1****Peak value:**

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	84.05	27.43	2.93	38.88	75.53	114.00	-38.47	Vertical
2402.00	81.40	27.43	2.93	38.88	72.88	114.00	-41.12	Horizontal
2441.00	87.37	27.55	2.96	38.98	78.90	114.00	-35.10	Vertical
2441.00	81.91	27.55	2.96	38.98	73.44	114.00	-40.56	Horizontal
2480.00	86.24	27.64	2.99	39.05	77.82	114.00	-36.18	Vertical
2480.00	78.91	27.64	2.99	39.05	70.49	114.00	-43.51	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	71.63	27.43	2.93	38.88	63.11	94.00	-30.89	Vertical
2402.00	69.63	27.43	2.93	38.88	61.11	94.00	-32.89	Horizontal
2441.00	73.07	27.55	2.96	38.98	64.60	94.00	-29.40	Vertical
2441.00	69.98	27.55	2.96	38.98	61.51	94.00	-32.49	Horizontal
2480.00	71.99	27.64	2.99	39.05	63.57	94.00	-30.43	Vertical
2480.00	70.93	27.64	2.99	39.05	62.51	94.00	-31.49	Horizontal

ANT2**Peak value:**

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	84.01	27.43	2.93	38.88	75.49	114.00	-38.51	Vertical
2402.00	81.37	27.43	2.93	38.88	72.85	114.00	-41.15	Horizontal
2441.00	87.33	27.55	2.96	38.98	78.86	114.00	-35.14	Vertical
2441.00	81.87	27.55	2.96	38.98	73.40	114.00	-40.60	Horizontal
2480.00	86.21	27.64	2.99	39.05	77.79	114.00	-36.21	Vertical
2480.00	78.88	27.64	2.99	39.05	70.46	114.00	-43.54	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	71.60	27.43	2.93	38.88	63.08	94.00	-30.92	Vertical
2402.00	69.60	27.43	2.93	38.88	61.08	94.00	-32.92	Horizontal
2441.00	73.03	27.55	2.96	38.98	64.56	94.00	-29.44	Vertical
2441.00	69.94	27.55	2.96	38.98	61.47	94.00	-32.53	Horizontal
2480.00	71.95	27.64	2.99	39.05	63.53	94.00	-30.47	Vertical
2480.00	70.93	27.64	2.99	39.05	62.51	94.00	-31.49	Horizontal

ANT3**Peak value:**

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	83.82	27.43	2.93	38.88	75.30	114.00	-38.70	Vertical
2402.00	81.24	27.43	2.93	38.88	72.72	114.00	-41.28	Horizontal
2441.00	87.15	27.55	2.96	38.98	78.68	114.00	-35.32	Vertical
2441.00	81.71	27.55	2.96	38.98	73.24	114.00	-40.76	Horizontal
2480.00	86.07	27.64	2.99	39.05	77.65	114.00	-36.35	Vertical
2480.00	78.76	27.64	2.99	39.05	70.34	114.00	-43.66	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	71.44	27.43	2.93	38.88	62.92	94.00	-31.08	Vertical
2402.00	69.46	27.43	2.93	38.88	60.94	94.00	-33.06	Horizontal
2441.00	72.84	27.55	2.96	38.98	64.37	94.00	-29.63	Vertical
2441.00	69.77	27.55	2.96	38.98	61.30	94.00	-32.70	Horizontal
2480.00	71.75	27.64	2.99	39.05	63.33	94.00	-30.67	Vertical
2480.00	70.71	27.64	2.99	39.05	62.29	94.00	-31.71	Horizontal

ANT4**Peak value:**

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	83.80	27.43	2.93	38.88	75.28	114.00	-38.72	Vertical
2402.00	81.23	27.43	2.93	38.88	72.71	114.00	-41.29	Horizontal
2441.00	87.14	27.55	2.96	38.98	78.67	114.00	-35.33	Vertical
2441.00	81.70	27.55	2.96	38.98	73.23	114.00	-40.77	Horizontal
2480.00	86.06	27.64	2.99	39.05	77.64	114.00	-36.36	Vertical
2480.00	78.75	27.64	2.99	39.05	70.33	114.00	-43.67	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	71.43	27.43	2.93	38.88	62.91	94.00	-31.09	Vertical
2402.00	69.44	27.43	2.93	38.88	60.92	94.00	-33.08	Horizontal
2441.00	72.83	27.55	2.96	38.98	64.36	94.00	-29.64	Vertical
2441.00	69.76	27.55	2.96	38.98	61.29	94.00	-32.71	Horizontal
2480.00	71.74	27.64	2.99	39.05	63.32	94.00	-30.68	Vertical
2480.00	70.70	27.64	2.99	39.05	62.28	94.00	-31.72	Horizontal

ANT5

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	83.56	27.43	2.93	38.88	75.04	114.00	-38.96	Vertical
2402.00	81.07	27.43	2.93	38.88	72.55	114.00	-41.45	Horizontal
2441.00	86.92	27.55	2.96	38.98	78.45	114.00	-35.55	Vertical
2441.00	81.49	27.55	2.96	38.98	73.02	114.00	-40.98	Horizontal
2480.00	85.89	27.64	2.99	39.05	77.47	114.00	-36.53	Vertical
2480.00	78.59	27.64	2.99	39.05	70.17	114.00	-43.83	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
2402.00	71.23	27.43	2.93	38.88	62.71	94.00	-31.29	Vertical
2402.00	69.27	27.43	2.93	38.88	60.75	94.00	-33.25	Horizontal
2441.00	72.59	27.55	2.96	38.98	64.12	94.00	-29.88	Vertical
2441.00	69.55	27.55	2.96	38.98	61.08	94.00	-32.92	Horizontal
2480.00	71.49	27.64	2.99	39.05	63.07	94.00	-30.93	Vertical
2480.00	70.47	27.64	2.99	39.05	62.05	94.00	-31.95	Horizontal

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

7.3.2 Spurious emissions

■ Below 30MHz

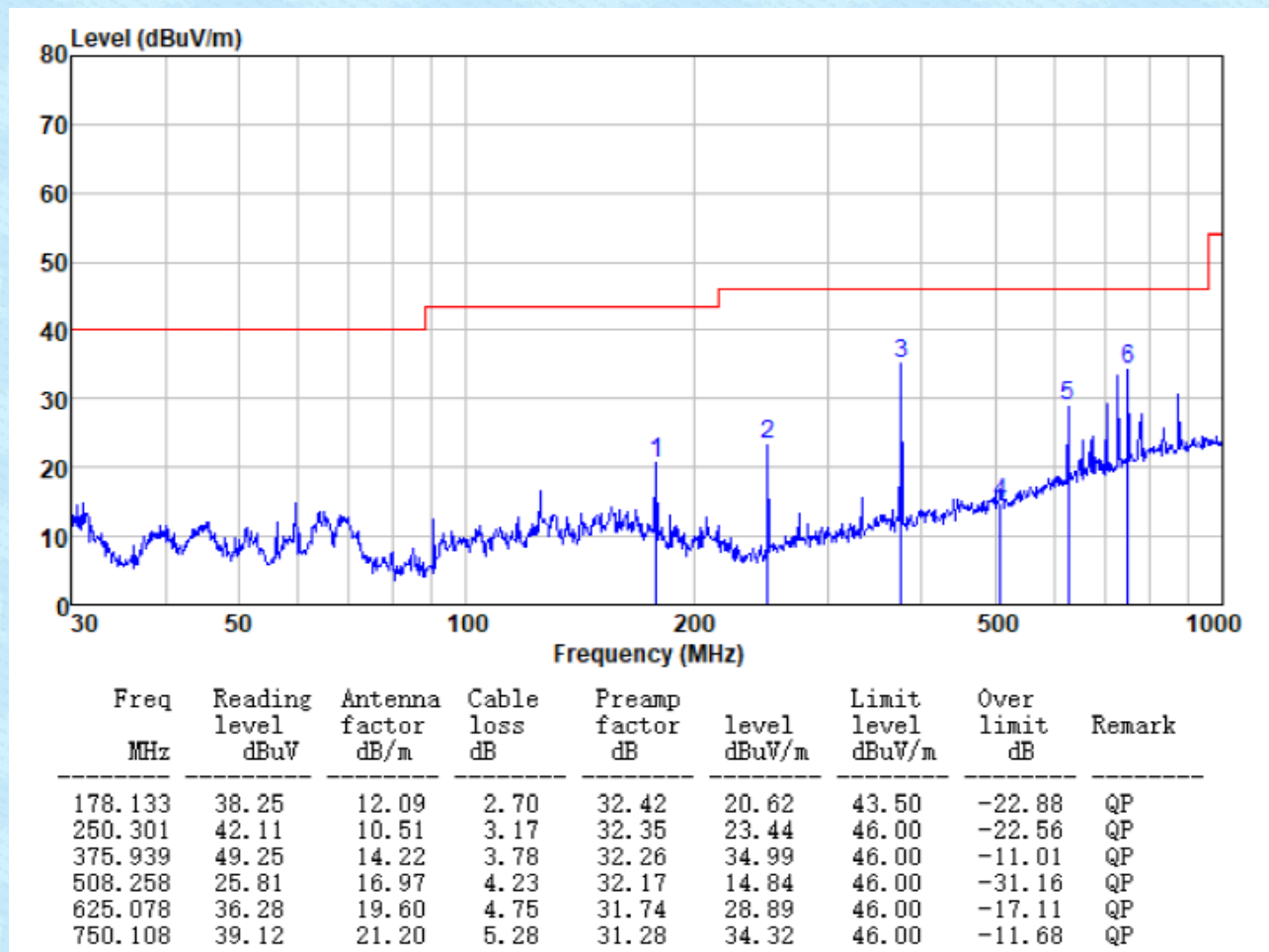
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.

■ Below 1GHz

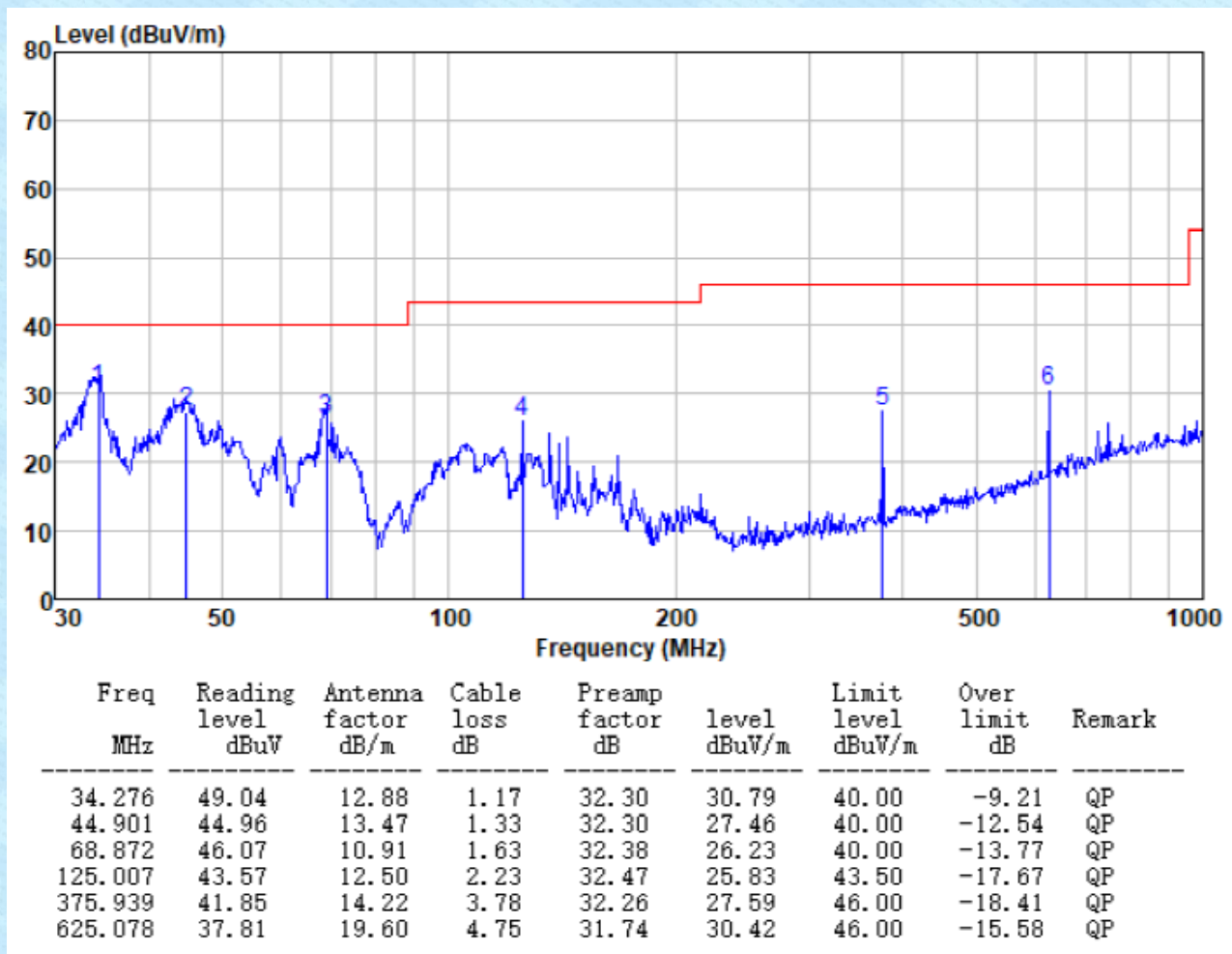
Pre-scan all test modes, found worst case at 2402MHz, and so only show the test result of it

ANT 1:

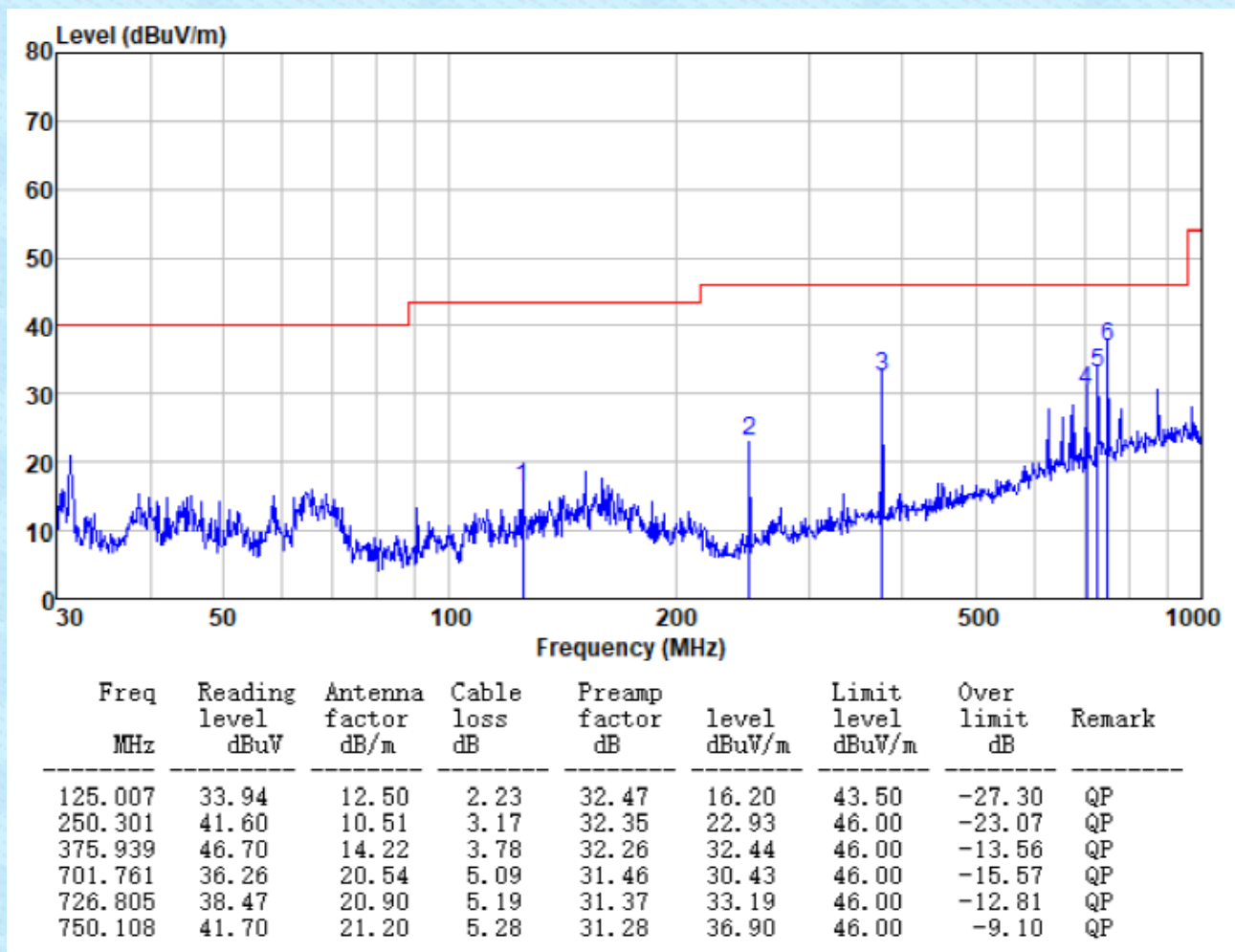
Horizontal



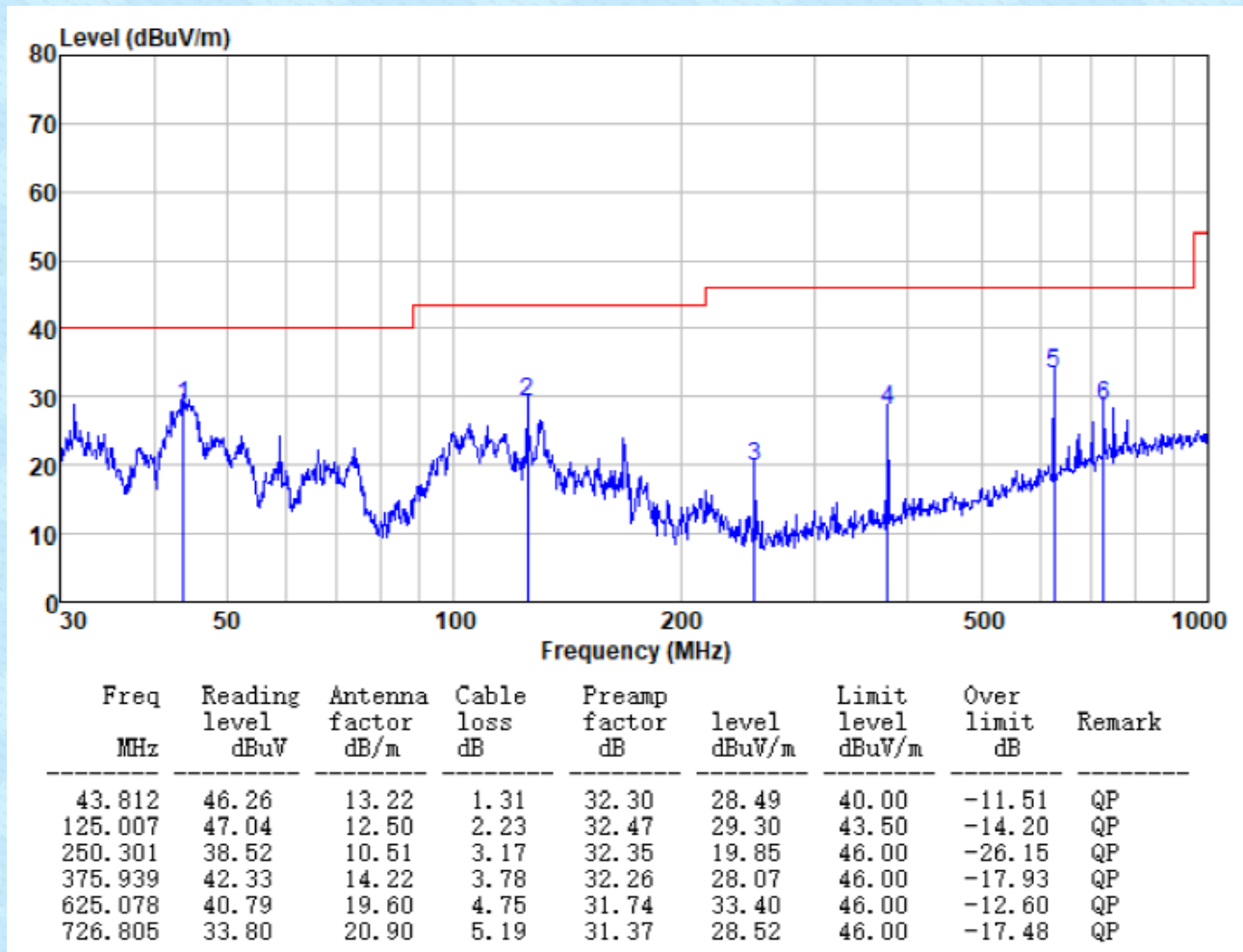
Vertical



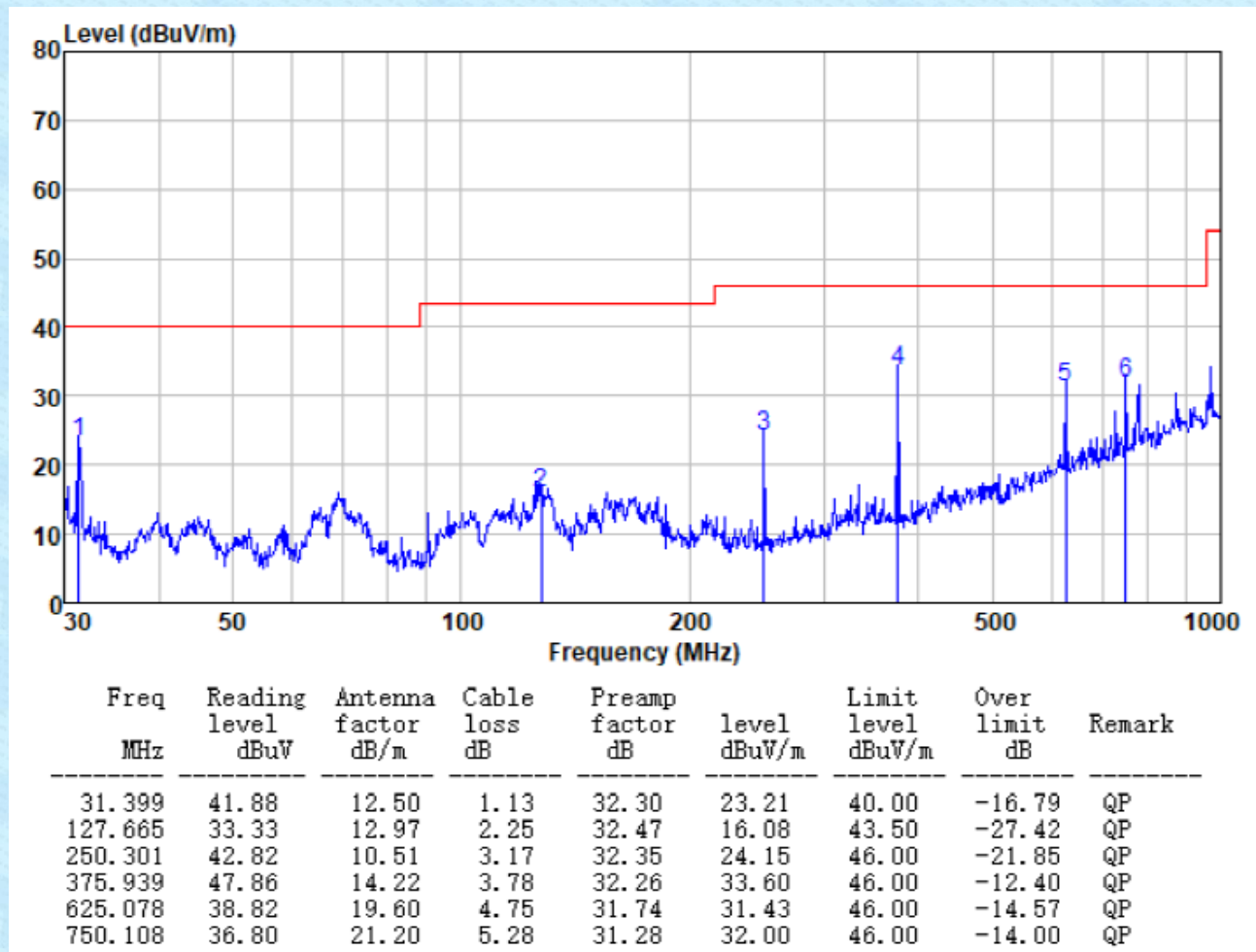
ANT 2:
Horizontal



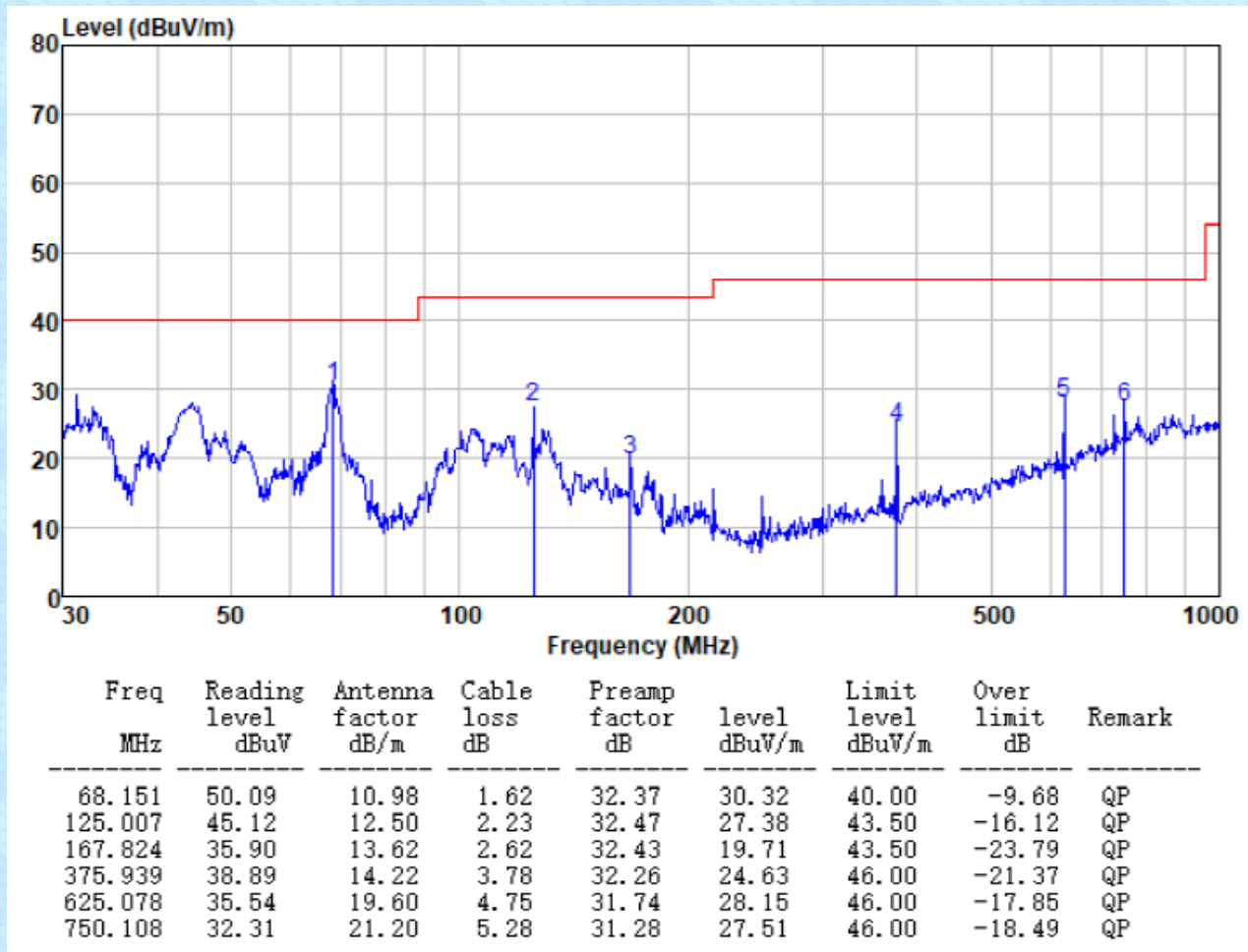
Vertical



ANT 3:
Horizontal

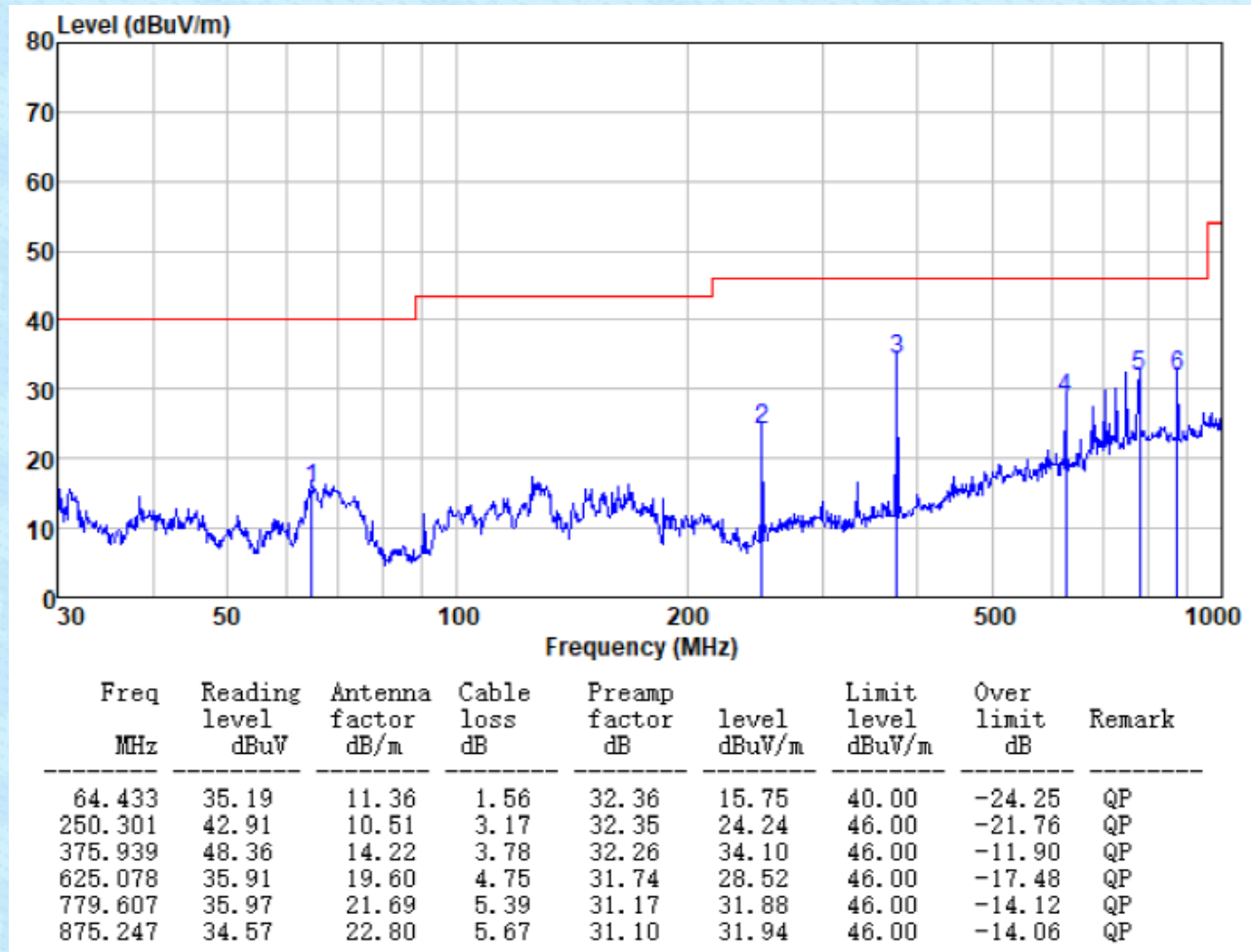


Vertical

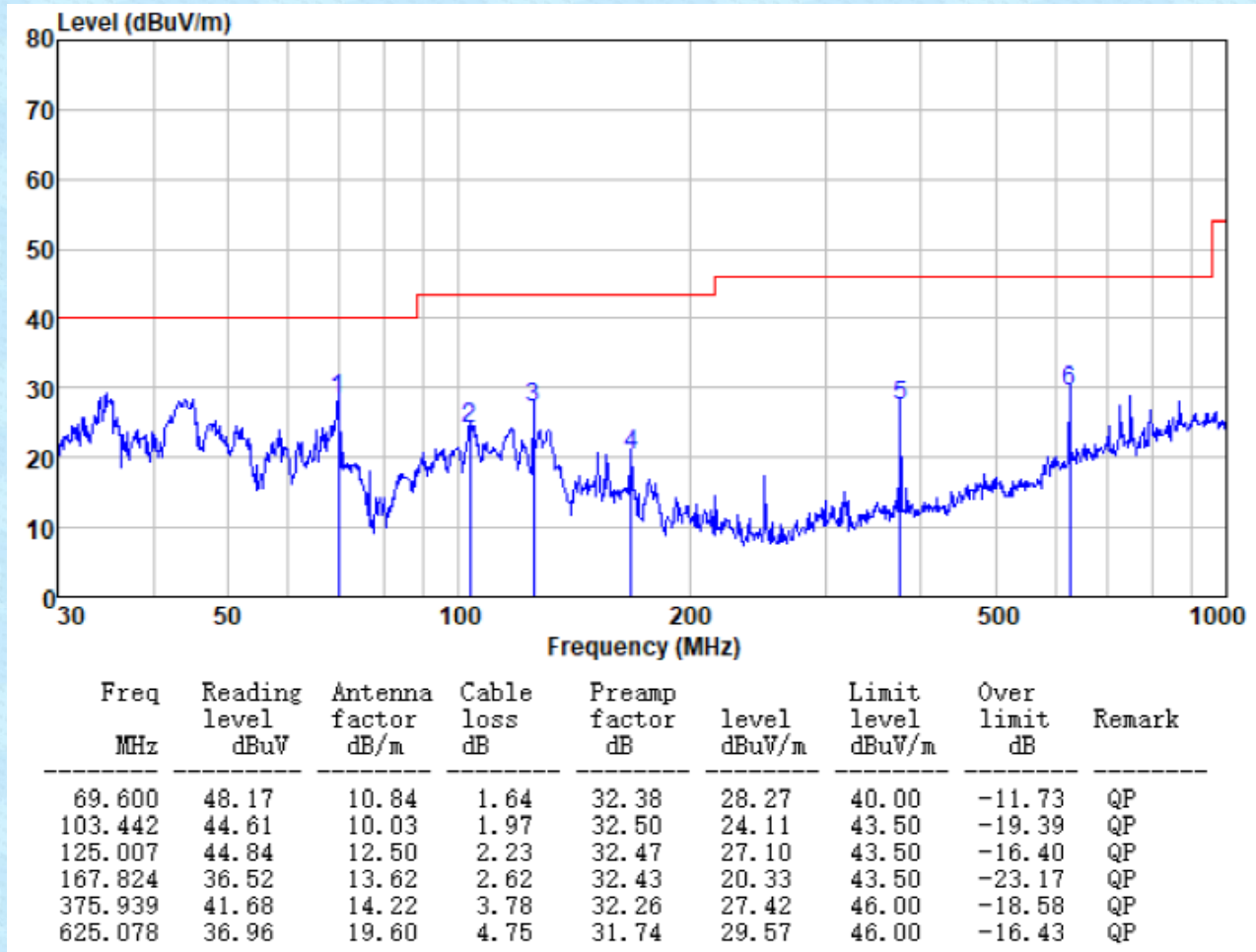


ANT 4:

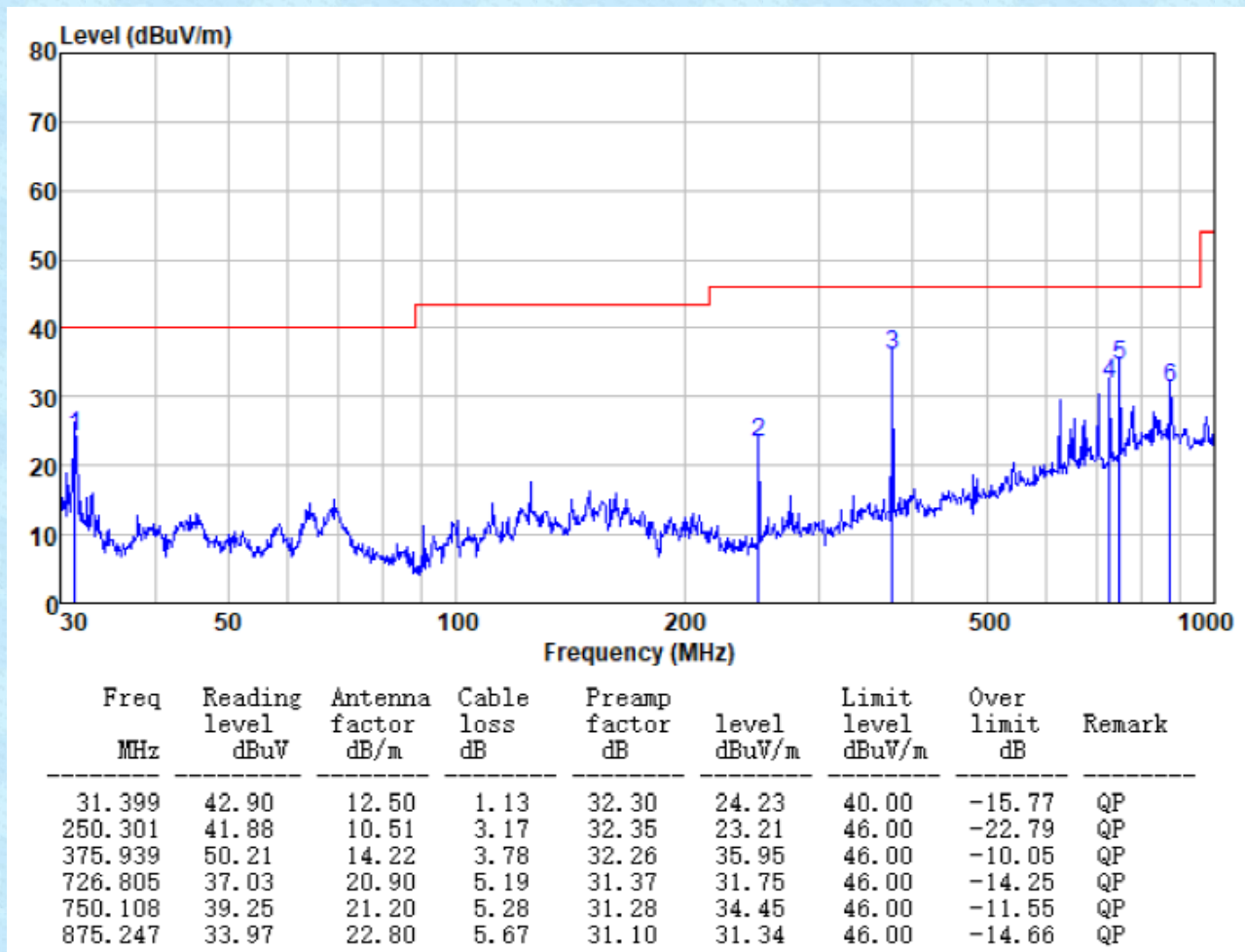
Horizontal



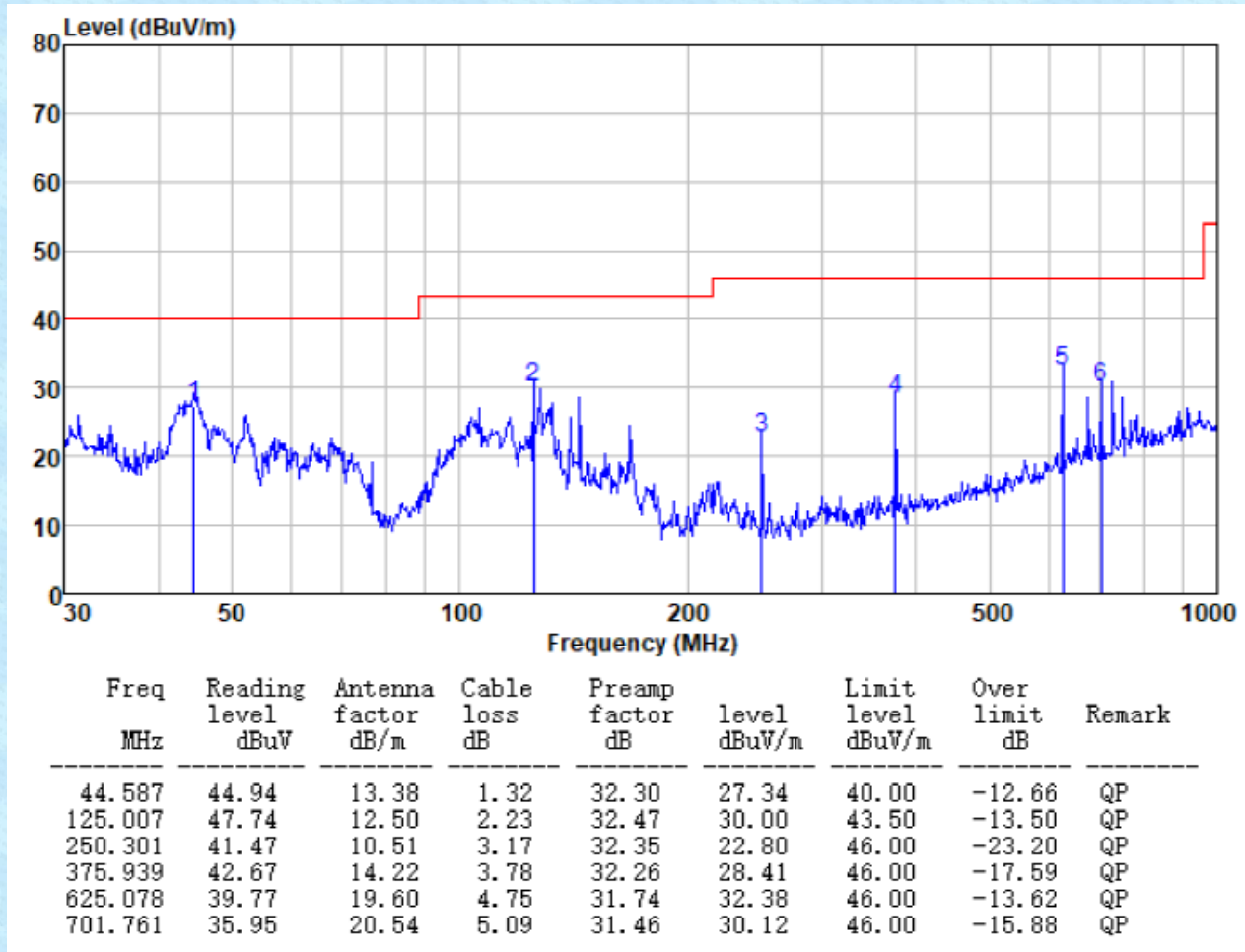
Vertical



ANT 5:
Horizontal



Vertical



■ Above 1GHz

ANT 1

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	37.85	31.22	4.63	37.68	36.02	74.00	-37.98	Vertical
7206.00	32.19	36.25	6.52	37.81	37.15	74.00	-36.85	Vertical
9608.00	31.79	37.97	7.98	37.93	39.81	74.00	-34.19	Vertical
4804.00	42.24	31.22	4.63	37.68	40.41	74.00	-33.59	Horizontal
7206.00	33.99	36.25	6.52	37.81	38.95	74.00	-35.05	Horizontal
9608.00	31.26	37.97	7.98	37.93	39.28	74.00	-34.72	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	26.56	31.22	4.63	37.68	24.73	54.00	-29.27	Vertical
7206.00	20.81	36.25	6.52	37.81	25.77	54.00	-28.23	Vertical
9608.00	19.86	37.97	7.98	37.93	27.88	54.00	-26.12	Vertical
4804.00	30.85	31.22	4.63	37.68	29.02	54.00	-24.98	Horizontal
7206.00	23.02	36.25	6.52	37.81	27.98	54.00	-26.02	Horizontal
9608.00	19.63	37.97	7.98	37.93	27.65	54.00	-26.35	Horizontal

Test channel:	Middle channel
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Peak value:

Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4882.00	38.69	31.33	4.69	37.62	37.09	74.00	-36.91	Vertical
7323.00	32.75	36.43	6.63	37.77	38.04	74.00	-35.96	Vertical
9764.00	32.29	38.10	8.03	37.95	40.47	74.00	-33.53	Vertical
4882.00	43.26	31.33	4.69	37.62	41.66	74.00	-32.34	Horizontal
7323.00	34.63	36.43	6.63	37.77	39.92	74.00	-34.08	Horizontal
9764.00	31.84	38.10	8.03	37.95	40.02	74.00	-33.98	Horizontal

Average value:

Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4882.00	27.26	31.33	4.69	37.62	25.66	54.00	-28.34	Vertical
7323.00	21.29	36.43	6.63	37.77	26.58	54.00	-27.42	Vertical
9764.00	20.28	38.10	8.03	37.95	28.46	54.00	-25.54	Vertical
4882.00	31.65	31.33	4.69	37.62	30.05	54.00	-23.95	Horizontal
7323.00	23.56	36.43	6.63	37.77	28.85	54.00	-25.15	Horizontal
9764.00	20.13	38.10	8.03	37.95	28.31	54.00	-25.69	Horizontal

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	38.96	31.41	4.77	37.56	37.58	74.00	-36.42	Vertical
7440.00	32.93	36.62	6.73	37.73	38.55	74.00	-35.45	Vertical
9920.00	32.45	38.27	8.08	37.98	40.82	74.00	-33.18	Vertical
4960.00	43.58	31.41	4.77	37.56	42.20	74.00	-31.80	Horizontal
7440.00	34.83	36.62	6.73	37.73	40.45	74.00	-33.55	Horizontal
9920.00	32.03	38.27	8.08	37.98	40.40	74.00	-33.60	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.60	31.41	4.77	37.56	26.22	54.00	-27.78	Vertical
7440.00	21.52	36.62	6.73	37.73	27.14	54.00	-26.86	Vertical
9920.00	20.49	38.27	8.08	37.98	28.86	54.00	-25.14	Vertical
4960.00	32.03	31.41	4.77	37.56	30.65	54.00	-23.35	Horizontal
7440.00	23.82	36.62	6.73	37.73	29.44	54.00	-24.56	Horizontal
9920.00	20.37	38.27	8.08	37.98	28.74	54.00	-25.26	Horizontal

ANT 2

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	37.52	31.22	4.63	37.68	35.69	74.00	-38.31	Vertical
7206.00	31.98	36.25	6.52	37.81	36.94	74.00	-37.06	Vertical
9608.00	31.60	37.97	7.98	37.93	39.62	74.00	-34.38	Vertical
4804.00	41.85	31.22	4.63	37.68	40.02	74.00	-33.98	Horizontal
7206.00	33.75	36.25	6.52	37.81	38.71	74.00	-35.29	Horizontal
9608.00	31.04	37.97	7.98	37.93	39.06	74.00	-34.94	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	26.30	31.22	4.63	37.68	24.47	54.00	-29.53	Vertical
7206.00	20.64	36.25	6.52	37.81	25.60	54.00	-28.40	Vertical
9608.00	19.70	37.97	7.98	37.93	27.72	54.00	-26.28	Vertical
4804.00	30.55	31.22	4.63	37.68	28.72	54.00	-25.28	Horizontal
7206.00	22.82	36.25	6.52	37.81	27.78	54.00	-26.22	Horizontal
9608.00	19.45	37.97	7.98	37.93	27.47	54.00	-26.53	Horizontal

Test channel:	Middle channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	38.50	31.33	4.69	37.62	36.90	74.00	-37.10	Vertical
7323.00	32.62	36.43	6.63	37.77	37.91	74.00	-36.09	Vertical
9764.00	32.18	38.10	8.03	37.95	40.36	74.00	-33.64	Vertical
4882.00	43.03	31.33	4.69	37.62	41.43	74.00	-32.57	Horizontal
7323.00	34.49	36.43	6.63	37.77	39.78	74.00	-34.22	Horizontal
9764.00	31.71	38.10	8.03	37.95	39.89	74.00	-34.11	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	27.11	31.33	4.69	37.62	25.51	54.00	-28.49	Vertical
7323.00	21.19	36.43	6.63	37.77	26.48	54.00	-27.52	Vertical
9764.00	20.19	38.10	8.03	37.95	28.37	54.00	-25.63	Vertical
4882.00	31.47	31.33	4.69	37.62	29.87	54.00	-24.13	Horizontal
7323.00	23.44	36.43	6.63	37.77	28.73	54.00	-25.27	Horizontal
9764.00	20.02	38.10	8.03	37.95	28.20	54.00	-25.80	Horizontal

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	38.83	31.41	4.77	37.56	37.45	74.00	-36.55	Vertical
7440.00	32.84	36.62	6.73	37.73	38.46	74.00	-35.54	Vertical
9920.00	32.37	38.27	8.08	37.98	40.74	74.00	-33.26	Vertical
4960.00	43.43	31.41	4.77	37.56	42.05	74.00	-31.95	Horizontal
7440.00	34.73	36.62	6.73	37.73	40.35	74.00	-33.65	Horizontal
9920.00	31.94	38.27	8.08	37.98	40.31	74.00	-33.69	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.49	31.41	4.77	37.56	26.11	54.00	-27.89	Vertical
7440.00	21.45	36.62	6.73	37.73	27.07	54.00	-26.93	Vertical
9920.00	20.42	38.27	8.08	37.98	28.79	54.00	-25.21	Vertical
4960.00	31.91	31.41	4.77	37.56	30.53	54.00	-23.47	Horizontal
7440.00	23.73	36.62	6.73	37.73	29.35	54.00	-24.65	Horizontal
9920.00	20.29	38.27	8.08	37.98	28.66	54.00	-25.34	Horizontal

ANT 3

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	37.57	31.22	4.63	37.68	35.74	74.00	-38.26	Vertical
7206.00	32.00	36.25	6.52	37.81	36.96	74.00	-37.04	Vertical
9608.00	31.62	37.97	7.98	37.93	39.64	74.00	-34.36	Vertical
4804.00	41.90	31.22	4.63	37.68	40.07	74.00	-33.93	Horizontal
7206.00	33.78	36.25	6.52	37.81	38.74	74.00	-35.26	Horizontal
9608.00	31.07	37.97	7.98	37.93	39.09	74.00	-34.91	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	26.33	31.22	4.63	37.68	24.50	54.00	-29.50	Vertical
7206.00	20.66	36.25	6.52	37.81	25.62	54.00	-28.38	Vertical
9608.00	19.72	37.97	7.98	37.93	27.74	54.00	-26.26	Vertical
4804.00	30.59	31.22	4.63	37.68	28.76	54.00	-25.24	Horizontal
7206.00	22.85	36.25	6.52	37.81	27.81	54.00	-26.19	Horizontal
9608.00	19.47	37.97	7.98	37.93	27.49	54.00	-26.51	Horizontal

Test channel:	Middle channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	39.26	31.33	4.69	37.62	37.66	74.00	-36.34	Vertical
7323.00	33.13	36.43	6.63	37.77	38.42	74.00	-35.58	Vertical
9764.00	32.63	38.10	8.03	37.95	40.81	74.00	-33.19	Vertical
4882.00	43.95	31.33	4.69	37.62	42.35	74.00	-31.65	Horizontal
7323.00	35.06	36.43	6.63	37.77	40.35	74.00	-33.65	Horizontal
9764.00	32.23	38.10	8.03	37.95	40.41	74.00	-33.59	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	27.73	31.33	4.69	37.62	26.13	54.00	-27.87	Vertical
7323.00	21.61	36.43	6.63	37.77	26.90	54.00	-27.10	Vertical
9764.00	20.56	38.10	8.03	37.95	28.74	54.00	-25.26	Vertical
4882.00	32.18	31.33	4.69	37.62	30.58	54.00	-23.42	Horizontal
7323.00	23.91	36.43	6.63	37.77	29.20	54.00	-24.80	Horizontal
9764.00	20.46	38.10	8.03	37.95	28.64	54.00	-25.36	Horizontal

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	38.83	31.41	4.77	37.56	37.45	74.00	-36.55	Vertical
7440.00	32.84	36.62	6.73	37.73	38.46	74.00	-35.54	Vertical
9920.00	32.37	38.27	8.08	37.98	40.74	74.00	-33.26	Vertical
4960.00	43.43	31.41	4.77	37.56	42.05	74.00	-31.95	Horizontal
7440.00	34.73	36.62	6.73	37.73	40.35	74.00	-33.65	Horizontal
9920.00	31.94	38.27	8.08	37.98	40.31	74.00	-33.69	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.49	31.41	4.77	37.56	26.11	54.00	-27.89	Vertical
7440.00	21.45	36.62	6.73	37.73	27.07	54.00	-26.93	Vertical
9920.00	20.42	38.27	8.08	37.98	28.79	54.00	-25.21	Vertical
4960.00	31.91	31.41	4.77	37.56	30.53	54.00	-23.47	Horizontal
7440.00	23.73	36.62	6.73	37.73	29.35	54.00	-24.65	Horizontal
9920.00	20.29	38.27	8.08	37.98	28.66	54.00	-25.34	Horizontal

ANT 4

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	37.82	31.22	4.63	37.68	35.99	74.00	-38.01	Vertical
7206.00	32.17	36.25	6.52	37.81	37.13	74.00	-36.87	Vertical
9608.00	31.77	37.97	7.98	37.93	39.79	74.00	-34.21	Vertical
4804.00	42.21	31.22	4.63	37.68	40.38	74.00	-33.62	Horizontal
7206.00	33.97	36.25	6.52	37.81	38.93	74.00	-35.07	Horizontal
9608.00	31.24	37.97	7.98	37.93	39.26	74.00	-34.74	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	26.54	31.22	4.63	37.68	24.71	54.00	-29.29	Vertical
7206.00	20.80	36.25	6.52	37.81	25.76	54.00	-28.24	Vertical
9608.00	19.85	37.97	7.98	37.93	27.87	54.00	-26.13	Vertical
4804.00	30.82	31.22	4.63	37.68	28.99	54.00	-25.01	Horizontal
7206.00	23.01	36.25	6.52	37.81	27.97	54.00	-26.03	Horizontal
9608.00	19.62	37.97	7.98	37.93	27.64	54.00	-26.36	Horizontal

Test channel:	Middle channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	38.44	31.33	4.69	37.62	36.84	74.00	-37.16	Vertical
7323.00	32.58	36.43	6.63	37.77	37.87	74.00	-36.13	Vertical
9764.00	32.14	38.10	8.03	37.95	40.32	74.00	-33.68	Vertical
4882.00	42.96	31.33	4.69	37.62	41.36	74.00	-32.64	Horizontal
7323.00	34.44	36.43	6.63	37.77	39.73	74.00	-34.27	Horizontal
9764.00	31.67	38.10	8.03	37.95	39.85	74.00	-34.15	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	27.06	31.33	4.69	37.62	25.46	54.00	-28.54	Vertical
7323.00	21.15	36.43	6.63	37.77	26.44	54.00	-27.56	Vertical
9764.00	20.16	38.10	8.03	37.95	28.34	54.00	-25.66	Vertical
4882.00	31.42	31.33	4.69	37.62	29.82	54.00	-24.18	Horizontal
7323.00	23.40	36.43	6.63	37.77	28.69	54.00	-25.31	Horizontal
9764.00	19.98	38.10	8.03	37.95	28.16	54.00	-25.84	Horizontal

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	38.72	31.41	4.77	37.56	37.34	74.00	-36.66	Vertical
7440.00	32.77	36.62	6.73	37.73	38.39	74.00	-35.61	Vertical
9920.00	32.31	38.27	8.08	37.98	40.68	74.00	-33.32	Vertical
4960.00	43.30	31.41	4.77	37.56	41.92	74.00	-32.08	Horizontal
7440.00	34.65	36.62	6.73	37.73	40.27	74.00	-33.73	Horizontal
9920.00	31.86	38.27	8.08	37.98	40.23	74.00	-33.77	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.40	31.41	4.77	37.56	26.02	54.00	-27.98	Vertical
7440.00	21.39	36.62	6.73	37.73	27.01	54.00	-26.99	Vertical
9920.00	20.37	38.27	8.08	37.98	28.74	54.00	-25.26	Vertical
4960.00	31.81	31.41	4.77	37.56	30.43	54.00	-23.57	Horizontal
7440.00	23.67	36.62	6.73	37.73	29.29	54.00	-24.71	Horizontal
9920.00	20.23	38.27	8.08	37.98	28.60	54.00	-25.40	Horizontal

ANT 5

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	37.63	31.22	4.63	37.68	35.80	74.00	-38.20	Vertical
7206.00	32.05	36.25	6.52	37.81	37.01	74.00	-36.99	Vertical
9608.00	31.66	37.97	7.98	37.93	39.68	74.00	-34.32	Vertical
4804.00	41.98	31.22	4.63	37.68	40.15	74.00	-33.85	Horizontal
7206.00	33.83	36.25	6.52	37.81	38.79	74.00	-35.21	Horizontal
9608.00	31.11	37.97	7.98	37.93	39.13	74.00	-34.87	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4804.00	26.38	31.22	4.63	37.68	24.55	54.00	-29.45	Vertical
7206.00	20.70	36.25	6.52	37.81	25.66	54.00	-28.34	Vertical
9608.00	19.75	37.97	7.98	37.93	27.77	54.00	-26.23	Vertical
4804.00	30.65	31.22	4.63	37.68	28.82	54.00	-25.18	Horizontal
7206.00	22.89	36.25	6.52	37.81	27.85	54.00	-26.15	Horizontal
9608.00	19.51	37.97	7.98	37.93	27.53	54.00	-26.47	Horizontal

Test channel:	Middle channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	38.51	31.33	4.69	37.62	36.91	74.00	-37.09	Vertical
7323.00	32.63	36.43	6.63	37.77	37.92	74.00	-36.08	Vertical
9764.00	32.18	38.10	8.03	37.95	40.36	74.00	-33.64	Vertical
4882.00	43.04	31.33	4.69	37.62	41.44	74.00	-32.56	Horizontal
7323.00	34.49	36.43	6.63	37.77	39.78	74.00	-34.22	Horizontal
9764.00	31.72	38.10	8.03	37.95	39.90	74.00	-34.10	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4882.00	27.11	31.33	4.69	37.62	25.51	54.00	-28.49	Vertical
7323.00	21.19	36.43	6.63	37.77	26.48	54.00	-27.52	Vertical
9764.00	20.19	38.10	8.03	37.95	28.37	54.00	-25.63	Vertical
4882.00	31.48	31.33	4.69	37.62	29.88	54.00	-24.12	Horizontal
7323.00	23.45	36.43	6.63	37.77	28.74	54.00	-25.26	Horizontal
9764.00	20.02	38.10	8.03	37.95	28.20	54.00	-25.80	Horizontal

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	38.49	31.41	4.77	37.56	37.11	74.00	-36.89	Vertical
7440.00	32.62	36.62	6.73	37.73	38.24	74.00	-35.76	Vertical
9920.00	32.17	38.27	8.08	37.98	40.54	74.00	-33.46	Vertical
4960.00	43.02	31.41	4.77	37.56	41.64	74.00	-32.36	Horizontal
7440.00	34.48	36.62	6.73	37.73	40.10	74.00	-33.90	Horizontal
9920.00	31.70	38.27	8.08	37.98	40.07	74.00	-33.93	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4960.00	27.20	31.41	4.77	37.56	25.82	54.00	-28.18	Vertical
7440.00	21.25	36.62	6.73	37.73	26.87	54.00	-27.13	Vertical
9920.00	20.25	38.27	8.08	37.98	28.62	54.00	-25.38	Vertical
4960.00	31.58	31.41	4.77	37.56	30.20	54.00	-23.80	Horizontal
7440.00	23.51	36.62	6.73	37.73	29.13	54.00	-24.87	Horizontal
9920.00	20.09	38.27	8.08	37.98	28.46	54.00	-25.54	Horizontal

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.

7.3.3 Bandedge emissions

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

ANT 1

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	51.97	27.14	2.81	38.64	43.28	74.00	-30.72	Horizontal
2390.00	57.06	27.37	2.91	38.84	48.50	74.00	-25.50	Horizontal
2400.00	58.87	27.41	2.92	38.86	50.34	74.00	-23.66	Horizontal
2310.00	53.39	27.14	2.81	38.64	44.70	74.00	-29.30	Vertical
2390.00	59.07	27.37	2.91	38.84	50.51	74.00	-23.49	Vertical
2400.00	61.09	27.41	2.92	38.86	52.56	74.00	-21.44	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.46	27.14	2.81	38.64	31.77	54.00	-22.23	Horizontal
2390.00	42.24	27.37	2.91	38.84	33.68	54.00	-20.32	Horizontal
2400.00	44.72	27.41	2.92	38.86	36.19	54.00	-17.81	Horizontal
2310.00	41.06	27.14	2.81	38.64	32.37	54.00	-21.63	Vertical
2390.00	43.76	27.37	2.91	38.84	35.20	54.00	-18.80	Vertical
2400.00	44.48	27.41	2.92	38.86	35.95	54.00	-18.05	Vertical

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	55.16	27.82	2.99	39.05	46.92	74.00	-27.08	Horizontal
2500.00	52.60	27.70	3.01	39.10	44.21	74.00	-29.79	Horizontal
2483.50	57.51	27.82	2.99	39.05	49.27	74.00	-24.73	Vertical
2500.00	54.46	27.70	3.01	39.10	46.07	74.00	-27.93	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	41.40	27.82	2.99	39.05	33.16	54.00	-20.84	Horizontal
2500.00	40.10	27.70	3.01	39.10	31.71	54.00	-22.29	Horizontal
2483.50	39.60	27.82	2.99	39.05	31.36	54.00	-22.64	Vertical
2500.00	40.78	27.70	3.01	39.10	32.39	54.00	-21.61	Vertical

Remark:

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

ANT 2

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	52.63	27.14	2.81	38.64	43.94	74.00	-30.06	Horizontal
2390.00	57.81	27.37	2.91	38.84	49.25	74.00	-24.75	Horizontal
2400.00	59.63	27.41	2.92	38.86	51.10	74.00	-22.90	Horizontal
2310.00	54.10	27.14	2.81	38.64	45.41	74.00	-28.59	Vertical
2390.00	59.89	27.37	2.91	38.84	51.33	74.00	-22.67	Vertical
2400.00	61.96	27.41	2.92	38.86	53.43	74.00	-20.57	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.97	27.14	2.81	38.64	32.28	54.00	-21.72	Horizontal
2390.00	42.79	27.37	2.91	38.84	34.23	54.00	-19.77	Horizontal
2400.00	45.38	27.41	2.92	38.86	36.85	54.00	-17.15	Horizontal
2310.00	41.61	27.14	2.81	38.64	32.92	54.00	-21.08	Vertical
2390.00	44.37	27.37	2.91	38.84	35.81	54.00	-18.19	Vertical
2400.00	45.06	27.41	2.92	38.86	36.53	54.00	-17.47	Vertical

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	55.89	27.82	2.99	39.05	47.65	74.00	-26.35	Horizontal
2500.00	53.21	27.70	3.01	39.10	44.82	74.00	-29.18	Horizontal
2483.50	58.36	27.82	2.99	39.05	50.12	74.00	-23.88	Vertical
2500.00	55.13	27.70	3.01	39.10	46.74	74.00	-27.26	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	41.91	27.82	2.99	39.05	33.67	54.00	-20.33	Horizontal
2500.00	40.52	27.70	3.01	39.10	32.13	54.00	-21.87	Horizontal
2483.50	39.94	27.82	2.99	39.05	31.70	54.00	-22.30	Vertical
2500.00	41.26	27.70	3.01	39.10	32.87	54.00	-21.13	Vertical

Remark:

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

ANT 3

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	50.63	27.14	2.81	38.64	41.94	74.00	-32.06	Horizontal
2390.00	55.52	27.37	2.91	38.84	46.96	74.00	-27.04	Horizontal
2400.00	57.32	27.41	2.92	38.86	48.79	74.00	-25.21	Horizontal
2310.00	51.91	27.14	2.81	38.64	43.22	74.00	-30.78	Vertical
2390.00	57.39	27.37	2.91	38.84	48.83	74.00	-25.17	Vertical
2400.00	59.32	27.41	2.92	38.86	50.79	74.00	-23.21	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	39.42	27.14	2.81	38.64	30.73	54.00	-23.27	Horizontal
2390.00	41.12	27.37	2.91	38.84	32.56	54.00	-21.44	Horizontal
2400.00	43.36	27.41	2.92	38.86	34.83	54.00	-19.17	Horizontal
2310.00	39.92	27.14	2.81	38.64	31.23	54.00	-22.77	Vertical
2390.00	42.51	27.37	2.91	38.84	33.95	54.00	-20.05	Vertical
2400.00	43.30	27.41	2.92	38.86	34.77	54.00	-19.23	Vertical

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	53.65	27.82	2.99	39.05	45.41	74.00	-28.59	Horizontal
2500.00	51.35	27.70	3.01	39.10	42.96	74.00	-31.04	Horizontal
2483.50	55.79	27.82	2.99	39.05	47.55	74.00	-26.45	Vertical
2500.00	53.09	27.70	3.01	39.10	44.70	74.00	-29.30	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	40.34	27.82	2.99	39.05	32.10	54.00	-21.90	Horizontal
2500.00	39.24	27.70	3.01	39.10	30.85	54.00	-23.15	Horizontal
2483.50	38.91	27.82	2.99	39.05	30.67	54.00	-23.33	Vertical
2500.00	39.81	27.70	3.01	39.10	31.42	54.00	-22.58	Vertical

Remark:

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

ANT 4

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	51.61	27.14	2.81	38.64	42.92	74.00	-31.08	Horizontal
2390.00	56.64	27.37	2.91	38.84	48.08	74.00	-25.92	Horizontal
2400.00	58.46	27.41	2.92	38.86	49.93	74.00	-24.07	Horizontal
2310.00	52.99	27.14	2.81	38.64	44.30	74.00	-29.70	Vertical
2390.00	58.62	27.37	2.91	38.84	50.06	74.00	-23.94	Vertical
2400.00	60.61	27.41	2.92	38.86	52.08	74.00	-21.92	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.18	27.14	2.81	38.64	31.49	54.00	-22.51	Horizontal
2390.00	41.94	27.37	2.91	38.84	33.38	54.00	-20.62	Horizontal
2400.00	44.35	27.41	2.92	38.86	35.82	54.00	-18.18	Horizontal
2310.00	40.75	27.14	2.81	38.64	32.06	54.00	-21.94	Vertical
2390.00	43.42	27.37	2.91	38.84	34.86	54.00	-19.14	Vertical
2400.00	44.17	27.41	2.92	38.86	35.64	54.00	-18.36	Vertical

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	54.75	27.82	2.99	39.05	46.51	74.00	-27.49	Horizontal
2500.00	52.26	27.70	3.01	39.10	43.87	74.00	-30.13	Horizontal
2483.50	57.05	27.82	2.99	39.05	48.81	74.00	-25.19	Vertical
2500.00	54.09	27.70	3.01	39.10	45.70	74.00	-28.30	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	41.12	27.82	2.99	39.05	32.88	54.00	-21.12	Horizontal
2500.00	39.87	27.70	3.01	39.10	31.48	54.00	-22.52	Horizontal
2483.50	39.42	27.82	2.99	39.05	31.18	54.00	-22.82	Vertical
2500.00	40.52	27.70	3.01	39.10	32.13	54.00	-21.87	Vertical

Remark:

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

ANT 5

Test channel:	Lowest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	52.28	27.14	2.81	38.64	43.59	74.00	-30.41	Horizontal
2390.00	57.41	27.37	2.91	38.84	48.85	74.00	-25.15	Horizontal
2400.00	59.23	27.41	2.92	38.86	50.70	74.00	-23.30	Horizontal
2310.00	53.73	27.14	2.81	38.64	45.04	74.00	-28.96	Vertical
2390.00	59.46	27.37	2.91	38.84	50.90	74.00	-23.10	Vertical
2400.00	61.50	27.41	2.92	38.86	52.97	74.00	-21.03	Vertical

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310.00	40.70	27.14	2.81	38.64	32.01	54.00	-21.99	Horizontal
2390.00	42.50	27.37	2.91	38.84	33.94	54.00	-20.06	Horizontal
2400.00	45.03	27.41	2.92	38.86	36.50	54.00	-17.50	Horizontal
2310.00	41.32	27.14	2.81	38.64	32.63	54.00	-21.37	Vertical
2390.00	44.05	27.37	2.91	38.84	35.49	54.00	-18.51	Vertical
2400.00	44.76	27.41	2.92	38.86	36.23	54.00	-17.77	Vertical

Test channel:	Highest channel
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Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	55.50	27.82	2.99	39.05	47.26	74.00	-26.74	Horizontal
2500.00	52.89	27.70	3.01	39.10	44.50	74.00	-29.50	Horizontal
2483.50	57.91	27.82	2.99	39.05	49.67	74.00	-24.33	Vertical
2500.00	54.78	27.70	3.01	39.10	46.39	74.00	-27.61	Vertical

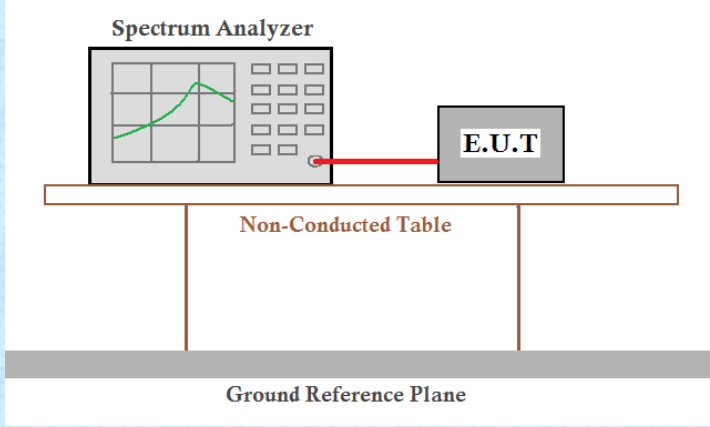
Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.50	41.64	27.82	2.99	39.05	33.40	54.00	-20.60	Horizontal
2500.00	40.30	27.70	3.01	39.10	31.91	54.00	-22.09	Horizontal
2483.50	39.76	27.82	2.99	39.05	31.52	54.00	-22.48	Vertical
2500.00	41.01	27.70	3.01	39.10	32.62	54.00	-21.38	Vertical

Remark:

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

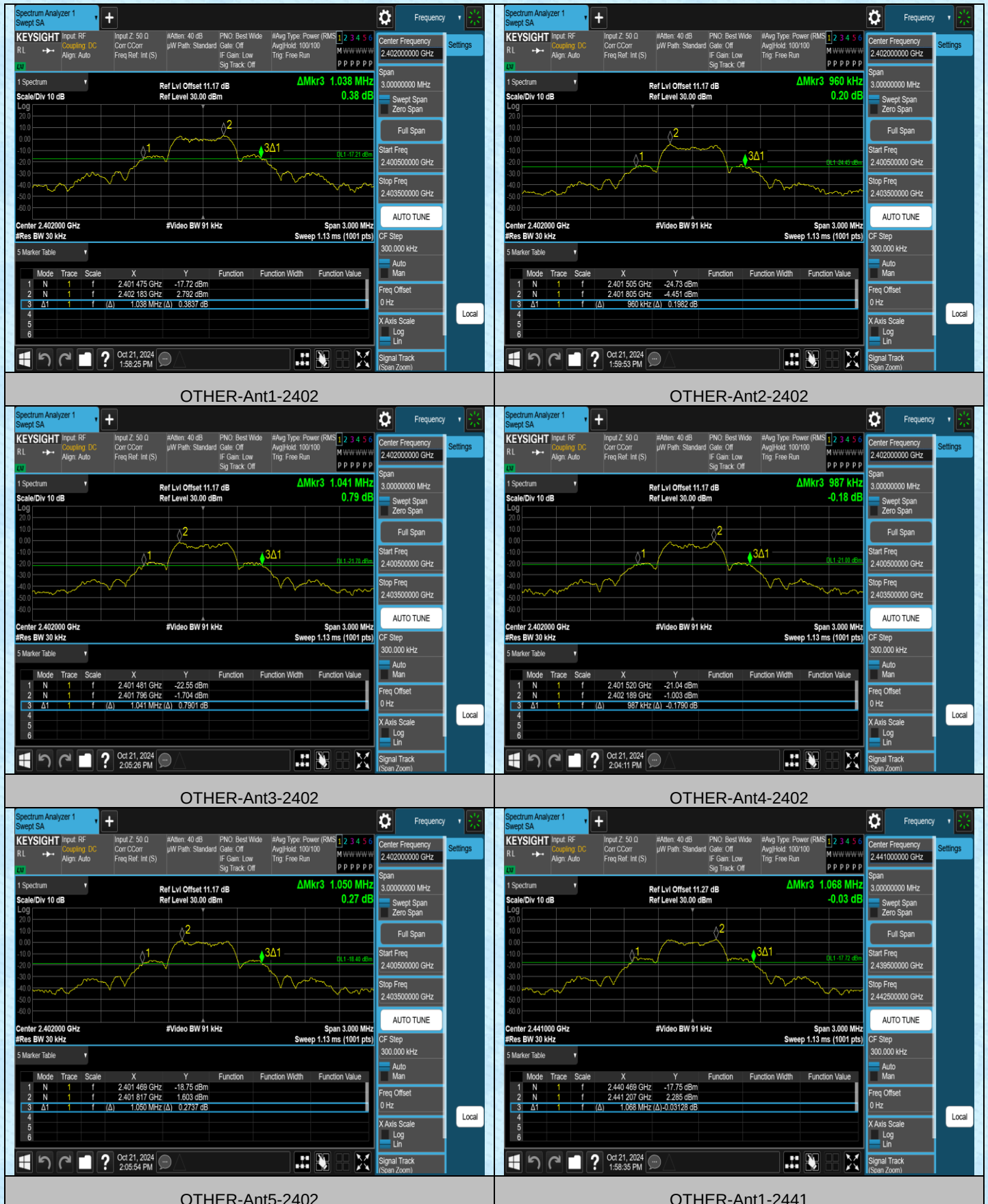
7.4 20dB Occupy Bandwidth

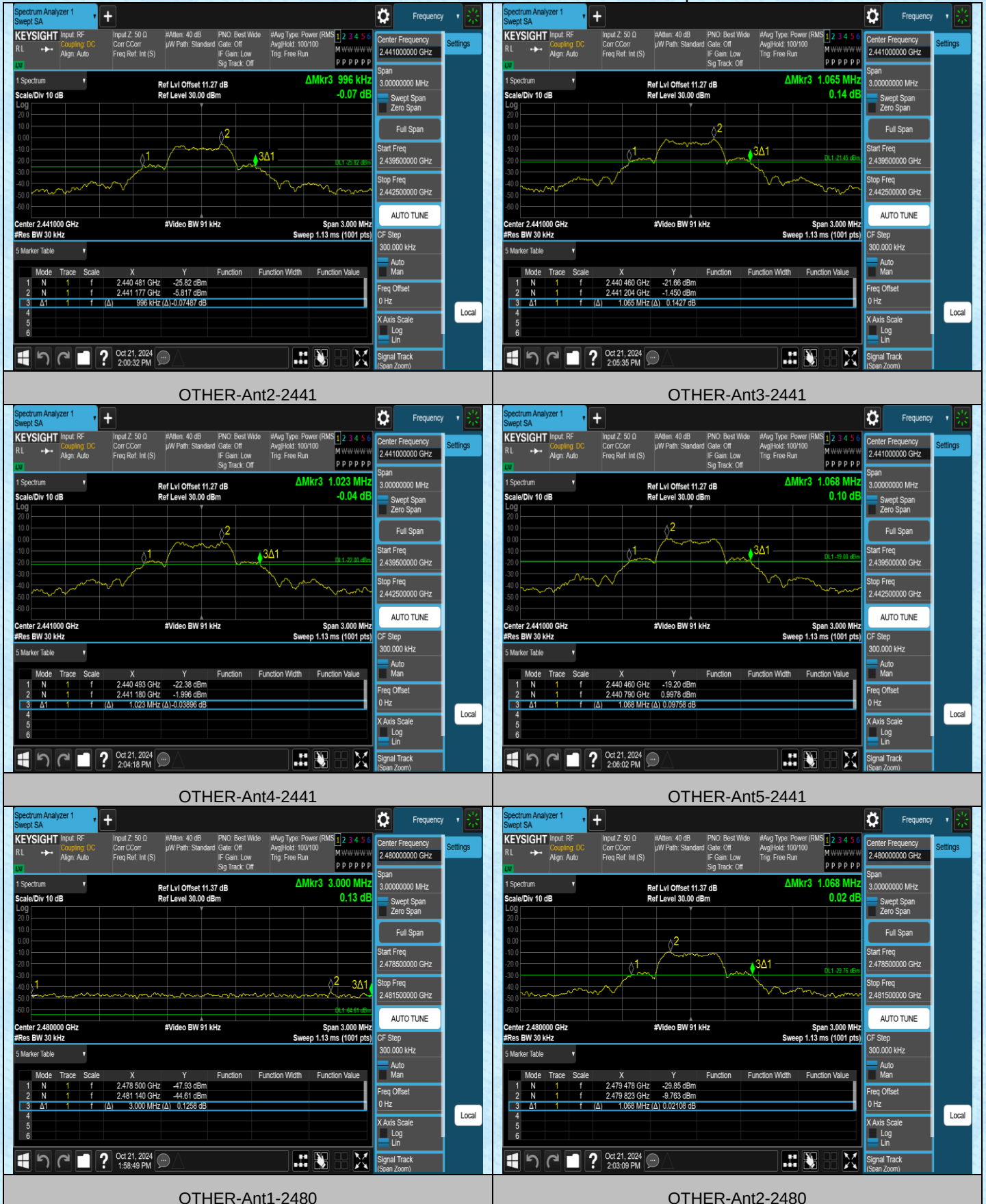
Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.10:2013
Limit:	Operation Frequency range 2400MHz~2483.5MHz
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.2 for details
Test results:	Pass

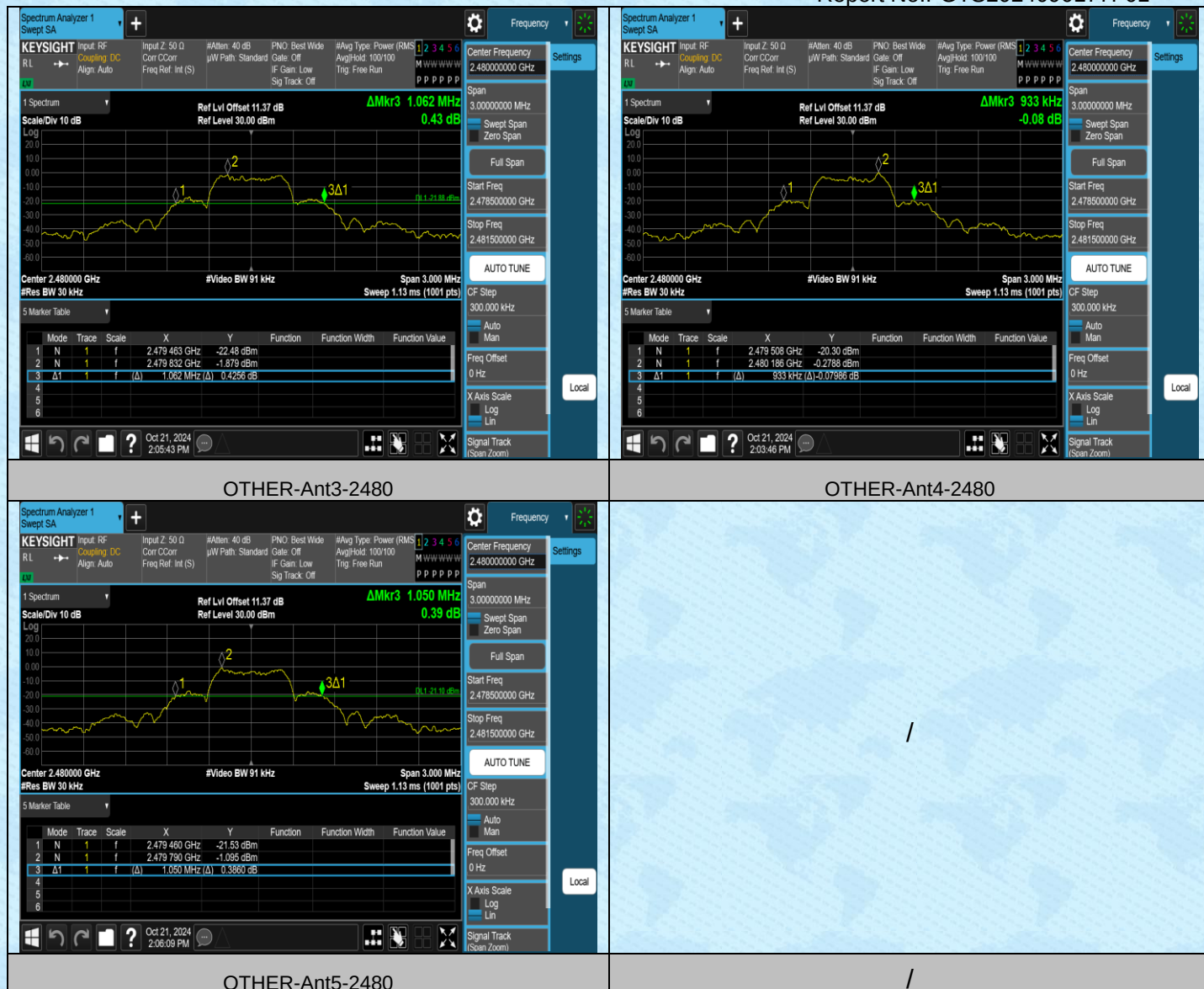
Measurement Data

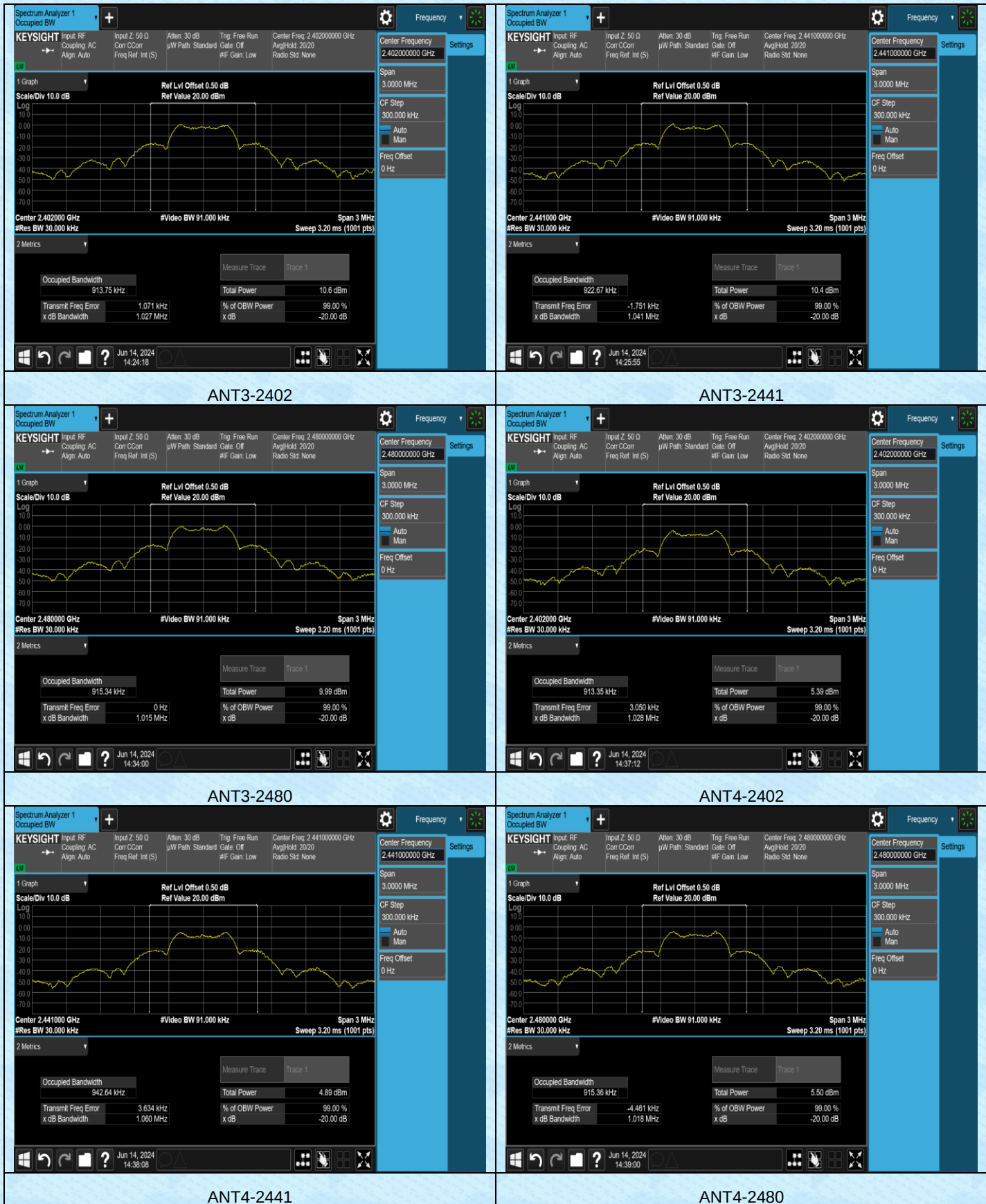
Antenna	Frequency[MHz]	20dB bandwidth(KHz)	Result
Ant1	2402	1.038	Pass
Ant2	2402	0.960	Pass
Ant3	2402	1.041	Pass
Ant4	2402	0.987	Pass
Ant5	2402	1.050	Pass
Ant1	2441	1.068	Pass
Ant2	2441	0.996	Pass
Ant3	2441	1.065	Pass
Ant4	2441	1.023	Pass
Ant5	2441	1.068	Pass
Ant1	2480	3.000	Pass
Ant2	2480	1.068	Pass
Ant3	2480	1.062	Pass
Ant4	2480	0.933	Pass
Ant5	2480	1.050	Pass

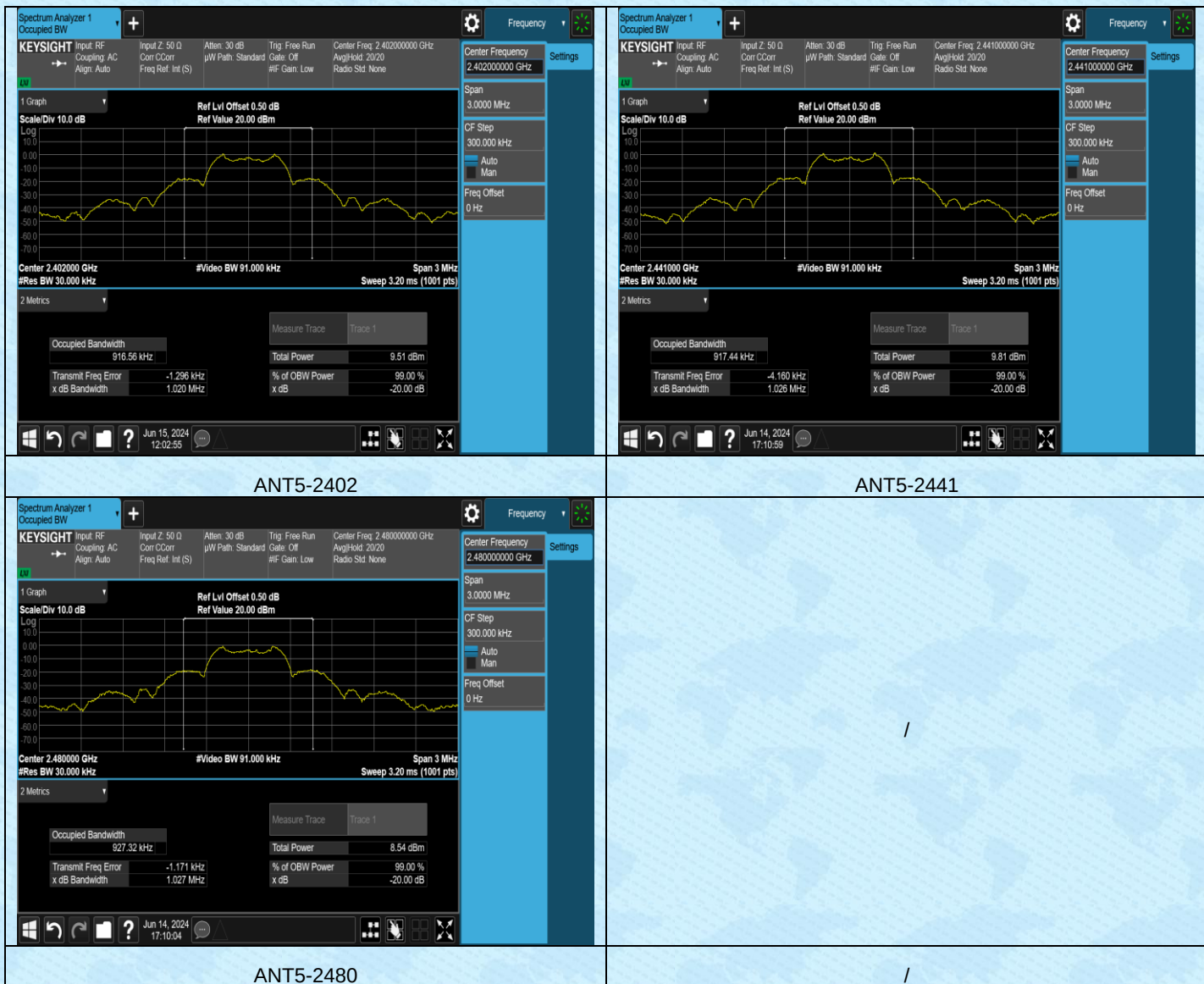
Test plot as follows:











8 Test Setup Photo

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

9 EUT Constructional Details

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

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