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Test Report

Report No.: CQASZ20250701547E-01
Applicant: Shenzhen AOEOO Technology Co.,Ltd
Address of Applicant: Room 301, Building A, Shunxing Industrial Zone, No. 10 Zhongxing Road, Ma'antang Community, Bantian Street, Longgang District, Shenzhen, CHINA

Equipment Under Test (EUT):

EUT Name: 2.4G Wireless Audio Transmitter
Model No.: AYW09
Test Model No.: AYW09
Brand Name: N/A
FCC ID: 2BPTP-AYW09-TX
Standards: 47 CFR Part 15, Subpart C
KDB558074 D01 15.247 Meas Guidance v05r02
Date of Receipt: 2025-07-13
Date of Test: 2025-07-13 to 2025-07-25
Date of Issue: 2025-08-05
Test Result: **PASS***

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

Tested By: Lewis Zhou
(Lewis Zhou)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250701547E-01	Rev.01	Initial report	2025-08-05

2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203	ANSI C63.10 (2013)	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 (2013)	PASS
Field Strength of the Fundamental Signal	47 CFR Part 15, Subpart C Section 15.249 (a)	ANSI C63.10 (2013)	PASS
Spurious Emissions	47 CFR Part 15, Subpart C Section 15.249 (a)/15.209	ANSI C63.10 (2013)	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.249(a)/15.205	ANSI C63.10 (2013)	PASS
20dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.215 (c)	ANSI C63.10 (2013)	PASS

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4 General Information

4.1 Client Information

Applicant:	Shenzhen AOEYOO Technology Co.,Ltd
Address of Applicant:	Room 301, Building A, Shunxing Industrial Zone, No. 10 Zhongxing Road, Ma'antang Community, Bantian Street, Longgang District, Shenzhen, CHINA
Manufacturer:	Shenzhen AOEYOO Technology Co.,Ltd
Address of Manufacturer:	Room 301, Building A, Shunxing Industrial Zone, No. 10 Zhongxing Road, Ma'antang Community, Bantian Street, Longgang District, Shenzhen, CHINA
Factory:	Shenzhen AOEYOO Technology Co.,Ltd
Address of Factory:	Room 301, Building A, Shunxing Industrial Zone, No. 10 Zhongxing Road, Ma'antang Community, Bantian Street, Longgang District, Shenzhen, CHINA

4.2 General Description of EUT

EUT Name:	2.4G Wireless Audio Transmitter
Model No.:	AYW09
Test Model No.:	AYW09
Trade Mark:	N/A
Software Version:	V1.0
Hardware Version:	20250214-VER1.0(L)
Frequency Range:	2403MHz~2478MHz
Modulation Type:	GFSK
Number of Channels:	26
Sample Type:	☒ Mobile ☐ Portable ☐ Fix Location
Test Software of EUT:	Keep EUT
Antenna Type:	Rubber rod antenna
Antenna Gain:	2.35dBi
Power Supply:	Powered by DC 5V for adapter

Operation Frequency each of channel					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2403	10	2430	19	2457
2	2406	11	2433	20	2460
3	2409	12	2436	21	2463
4	2412	13	2439	22	2466
5	2415	14	2442	23	2469
6	2418	15	2445	24	2472
7	2421	16	2448	25	2475
8	2424	17	2451	26	2478
9	2427	18	2454		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel(CH1)	2403MHz
The Middle channel(CH13)	2439MHz
The Highest channel(CH26)	2478MHz

4.3 Test Environment and Mode

Operating Environment:	
Radiated Emissions:	
Temperature:	27 °C
Humidity:	59 % RH
Atmospheric Pressure:	1009mbar
Temperature:	26 °C
Humidity:	59 % RH
Atmospheric Pressure:	1009mbar
Radio conducted item test (RF Conducted test room):	
Temperature:	25.3 °C
Humidity:	55 % RH
Atmospheric Pressure:	1009mbar
Test mode:	
Transmitting mode:	Use test software (RF test) to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Adapter	MI	/	/	CQA

2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/

4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd.** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for **CQA** laboratory is reported:

Test	Range	Uncertainty	Notes
Radiated Emission	Below 1GHz	5.12dB	(1)
Radiated Emission	Above 1GHz	4.60dB	(1)
Conducted Disturbance	0.15~30MHz	3.34dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

4.6 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

4.7 Test Facility

- **A2LA (Certificate No. 4742.01)**

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

- **FCC Registration No.: 522263**

Shenzhen Huaxia Testing Technology 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 our files. Registration No.:522263

4.8 Deviation from Standards

None.

4.9 Abnormalities from Standard Conditions

None.

4.10 Other Information Requested by the Customer

None.

4.11 Equipment List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU26	CQA-038	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU40	CQA-075	2024/9/2	2025/9/1
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2024/9/2	2025/9/1
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2024/9/2	2025/9/1
Preamplifier	EMCI	EMC184055SE	CQA-089	2024/9/2	2025/9/1
Loop antenna	Schwarzbeck	FMZB1516	CQA-060	2023/9/8	2026/9/7
Bilog Antenna	R&S	HL562	CQA-011	2023/11/01	2026/10/31
Horn Antenna	R&S	HF906	CQA-012	2023/11/01	2026/10/31
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2023/9/7	2026/9/6
Coaxial Cable (Above 1GHz)	CQA	N/A	C007	2024/9/2	2025/9/1
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2024/9/2	2025/9/1
Antenna Connector	CQA	RFC-01	CQA-080	2024/9/2	2025/9/1
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2024/9/2	2025/9/1
Power meter	R&S	NRVD	CQA-029	2024/9/2	2025/9/1
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2024/9/2	2025/9/1
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
LISN	R&S	ENV216	CQA-003	2024/9/2	2025/9/1
Coaxial cable	CQA	N/A	CQA-C009	2024/9/2	2025/9/1
DC power	KEYSIGHT	E3631A	CQA-028	2024/9/2	2025/9/1

Test software:

	Manufacturer	Software brand	Software version
Radiated Emissions test software	Tonscend	JS1120-3	Version:8
Conducted Emissions test software	Audix	e3	Version:9
RF Conducted test software	Audix	e3	V3.5.39

Note:

The temporary antenna connector is soldered on the pcb board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

5 Test results and Measurement Data

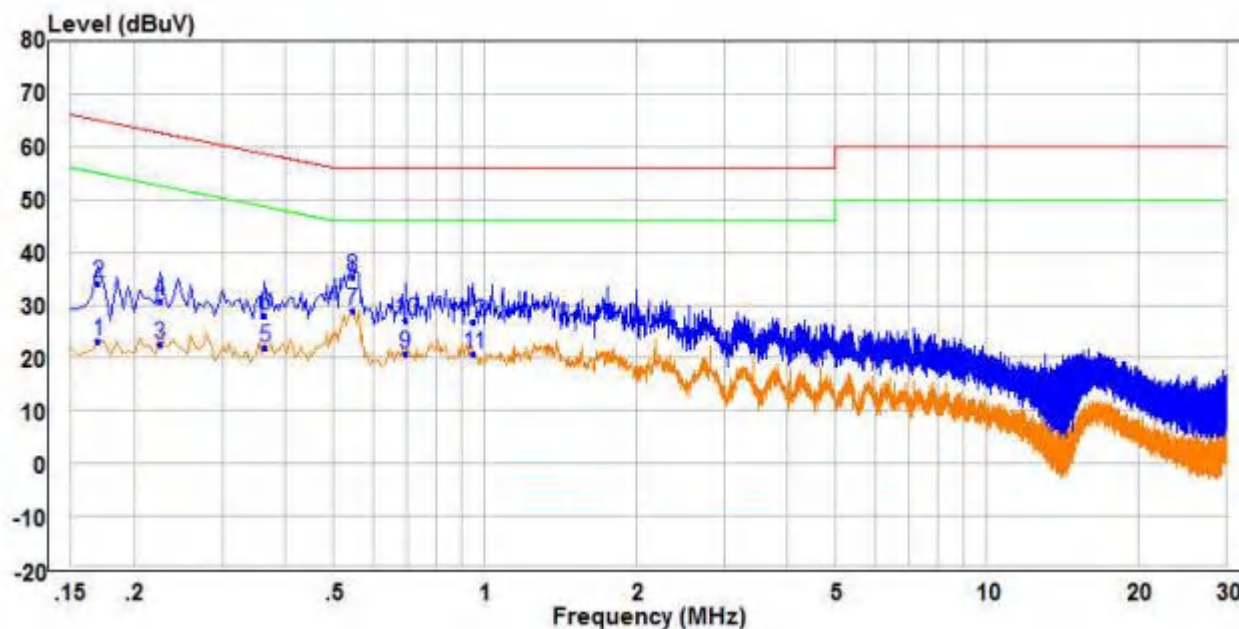
5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C 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 Rubber rod antenna. The best case gain of the antenna is 2.35dBi.	

Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type at the lowest, middle, high channel.
Final Test Mode:	Transmission mode
Test Results:	Pass

Measurement Data:

Live line:

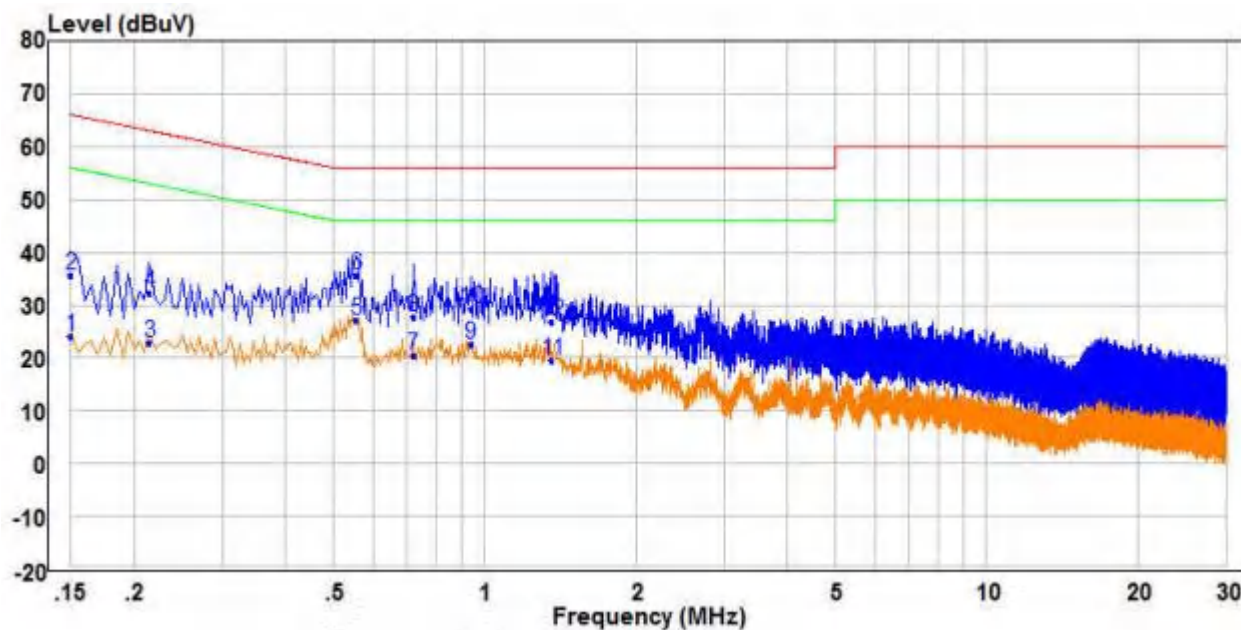


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.170	13.57	9.66	23.23	54.96	-31.73	Average	Line
2	0.170	24.48	9.66	34.14	64.96	-30.82	QP	Line
3	0.225	12.84	9.58	22.42	52.63	-30.21	Average	Line
4	0.225	21.23	9.58	30.81	62.63	-31.82	QP	Line
5	0.365	12.49	9.57	22.06	48.61	-26.55	Average	Line
6	0.365	18.55	9.57	28.12	58.61	-30.49	QP	Line
7 PP	0.545	19.16	9.75	28.91	46.00	-17.09	Average	Line
8 QP	0.545	25.49	9.75	35.24	56.00	-20.76	QP	Line
9	0.695	10.94	9.90	20.84	46.00	-25.16	Average	Line
10	0.695	17.27	9.90	27.17	56.00	-28.83	QP	Line
11	0.950	11.07	9.73	20.80	46.00	-25.20	Average	Line
12	0.950	17.11	9.73	26.84	56.00	-29.16	QP	Line

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

Neutral line:



	Read Freq	Level	Factor	Limit Level	Over Line	Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.150	14.27	9.70	23.97	56.00	-32.03	Average	Neutral
2	0.150	25.89	9.70	35.59	66.00	-30.41	QP	Neutral
3	0.215	13.30	9.59	22.89	53.01	-30.12	Average	Neutral
4	0.215	22.76	9.59	32.35	63.01	-30.66	QP	Neutral
5 PP	0.555	17.22	9.76	26.98	46.00	-19.02	Average	Neutral
6 QP	0.555	25.93	9.76	35.69	56.00	-20.31	QP	Neutral
7	0.720	10.56	9.89	20.45	46.00	-25.55	Average	Neutral
8	0.720	17.94	9.89	27.83	56.00	-28.17	QP	Neutral
9	0.940	12.85	9.74	22.59	46.00	-23.41	Average	Neutral
10	0.940	19.66	9.74	29.40	56.00	-26.60	QP	Neutral
11	1.360	9.70	9.72	19.42	46.00	-26.58	Average	Neutral
12	1.360	17.20	9.72	26.92	56.00	-29.08	QP	Neutral

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
3. If the Peak value under Average limit, the Average value is not recorded in the report.

5.3 Radiated Emission

Test Requirement:	47 CFR Part 15C Section 15.249 and 15.209 and 15.205				
Test Method:	ANSI C63.10: 2013				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30KHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30KHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30KHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300KHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Note: For fundamental frequency, RBW=5MHz, VBW=5MHz, Peak detector is for PK value, RMS detector is for Average value.					
Limit: (Spurious Emissions and band edge)	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 1) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device. 2) 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.				
Limit: (Field strength of the fundamental signal)	Frequency	Limit (dBuV/m @3m)		Remark	
	2400MHz-2483.5MHz	94.0		Average Value	
		114.0		Peak Value	

Test Setup:

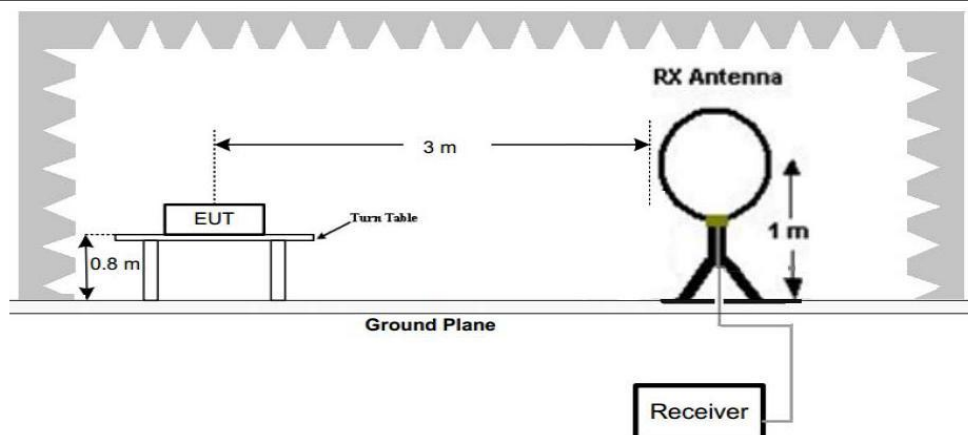


Figure 1. Below 30MHz

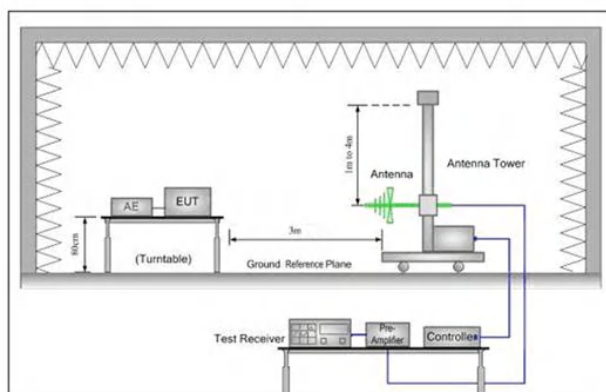


Figure 2. 30MHz to 1GHz

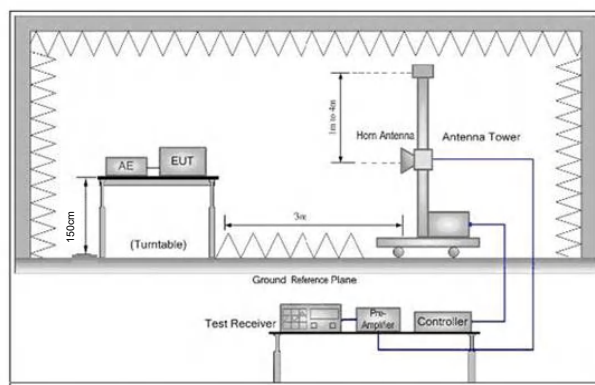


Figure 3. Above 1 GHz

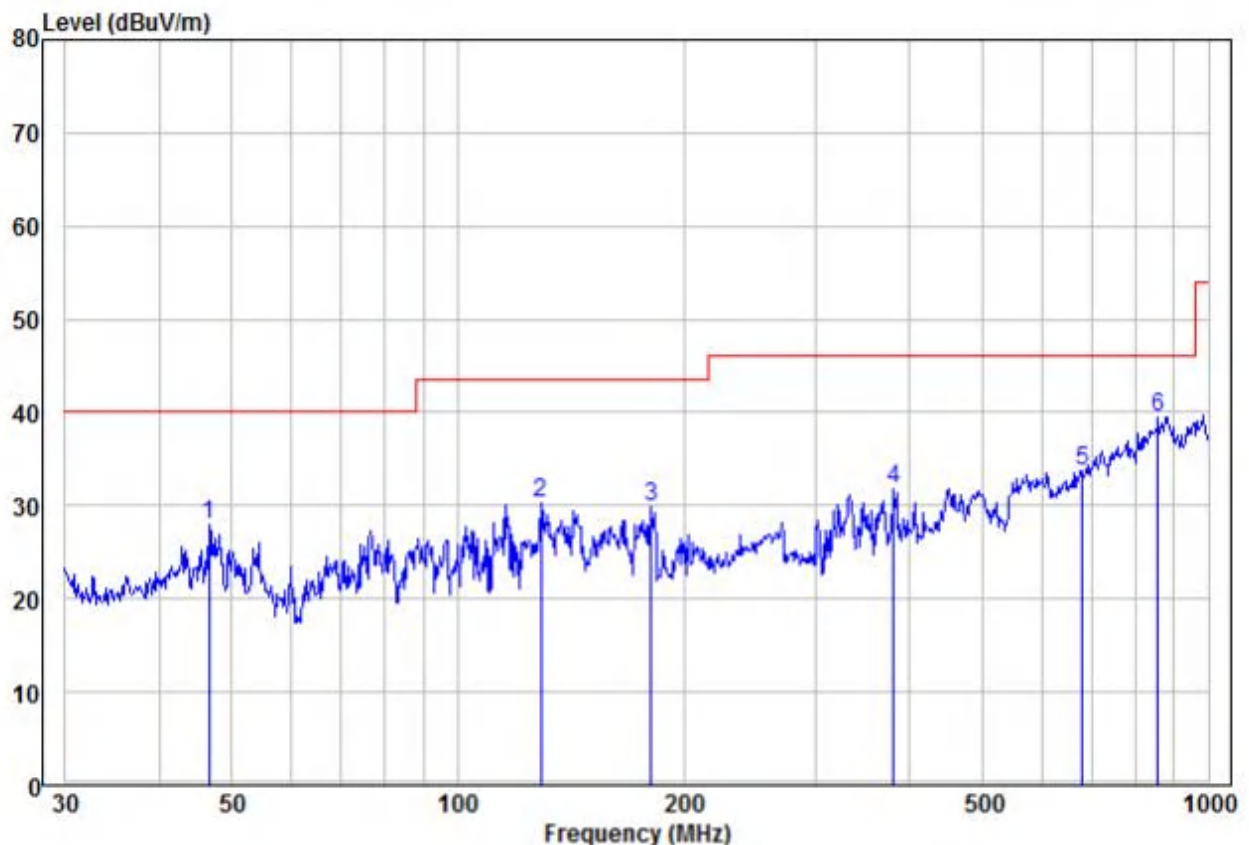
Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- Note: For the radiated emission test above 1GHz:
Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 - c. 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.
 - d. 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table

	was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. 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. g. Test the EUT in the lowest channel,the middle channel,the Highest channel h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type Transmitting mode
Final Test Mode:	Transmission mode
Test Results:	Pass

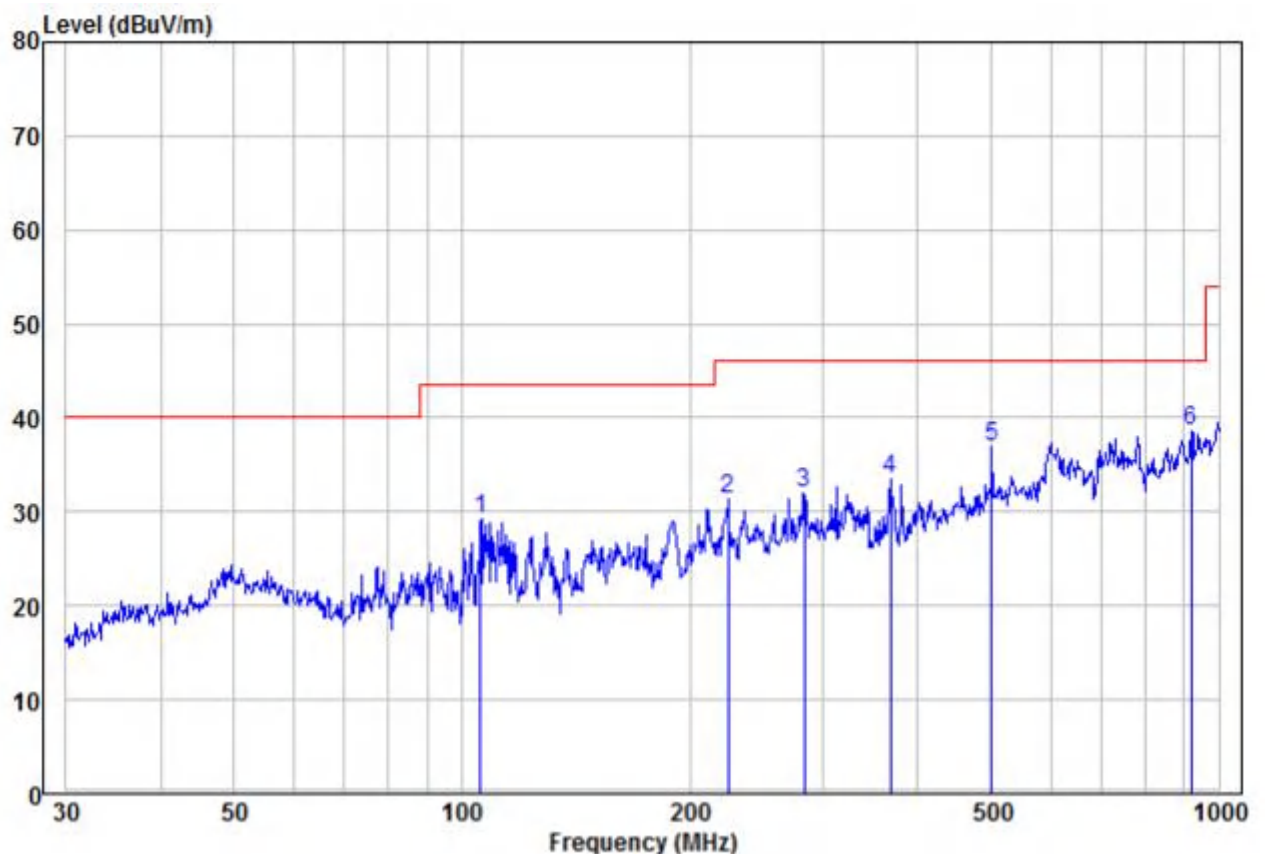
Measurement Data

30MHz~1GHz		
Test mode:	Transmitting	Vertical



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	46.67	14.81	13.20	28.01	40.00	-11.99	Peak	VERTICAL	100	42
2	129.01	20.22	10.11	30.33	43.50	-13.17	Peak	VERTICAL	100	84
3	181.28	18.30	11.53	29.83	43.50	-13.67	Peak	VERTICAL	100	128
4	381.25	13.08	18.74	31.82	46.00	-14.18	Peak	VERTICAL	100	256
5	679.96	10.09	23.66	33.75	46.00	-12.25	Peak	VERTICAL	100	54
6 pp	857.02	10.41	29.16	39.57	46.00	-6.43	Peak	VERTICAL	100	107

Test mode:	Transmitting	Horizontal
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	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	106.01	16.41	12.84	29.25	43.50	-14.25	Peak	HORIZONTAL	100	77
2	224.52	17.19	14.13	31.32	46.00	-14.68	Peak	HORIZONTAL	100	183
3	282.99	14.72	17.29	32.01	46.00	-13.99	Peak	HORIZONTAL	100	206
4	368.11	13.99	19.42	33.41	46.00	-12.59	Peak	HORIZONTAL	100	150
5	501.18	15.13	21.84	36.97	46.00	-9.03	Peak	HORIZONTAL	100	203
6 pp	919.29	10.14	28.45	38.59	46.00	-7.41	Peak	HORIZONTAL	100	55

Above 1GHz									
Test mode:		Transmitting		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant Pol	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2390	61.88	-9.2	52.68	74	-21.32	Peak	H	1.5	175
2390	45.08	-9.2	35.88	54	-18.12	AVG	H	1.5	174
2400	44.22	-9.39	34.83	74	-39.17	Peak	H	1.5	235
2400	44.27	-9.39	34.88	54	-19.12	AVG	H	1.5	32
2403	99.71	-9.33	90.38	114	-23.62	peak	H	1.5	48
2403	95.67	-9.33	86.34	94	-7.66	AVG	H	1.5	154
4806	57.46	-4.28	53.18	74	-20.82	peak	H	1.5	213
4806	43.22	-4.28	38.94	54	-15.06	AVG	H	1.5	198
7209	51.77	1.13	52.90	74	-21.10	peak	H	1.5	177
7209	35.82	1.13	36.95	54	-17.05	AVG	H	1.5	354
2390	59.91	-9.2	50.71	74	-23.29	peak	V	1.5	189
2390	46.20	-9.2	37.00	54	-17.00	AVG	V	1.5	321
2400	62.59	-9.39	53.20	74	-20.80	peak	V	1.5	183
2400	45.37	-9.39	35.98	54	-18.02	AVG	V	1.5	355
2403	95.15	-9.33	85.82	114	-28.18	peak	V	1.5	333
2403	92.90	-9.33	83.57	94	-10.43	AVG	V	1.5	198
4806	56.95	-4.28	52.67	74	-21.33	peak	V	1.5	328
4806	41.38	-4.28	37.10	54	-16.90	AVG	V	1.5	134
7209	52.30	1.13	53.43	74	-20.57	peak	V	1.5	25
7209	35.90	1.13	37.03	54	-16.97	AVG	V	1.5	312

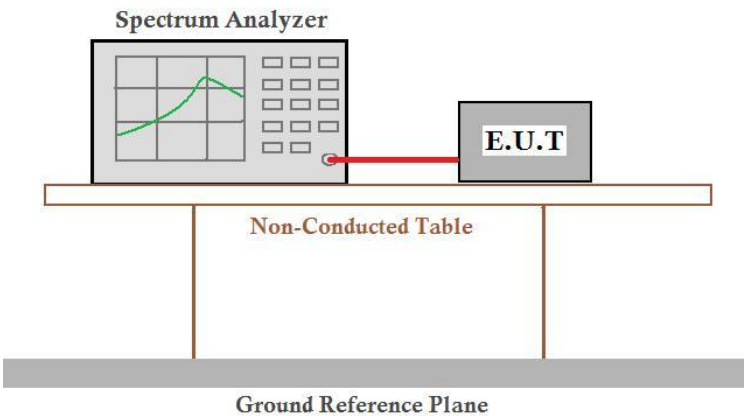
Test mode:		Transmitting		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant . Pol.	Antenna Height	Table Angle
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)		H/V	(m)	(Degree)
2439	97.57	-9.37	88.20	114	-25.80	peak	H	1.5	131
2439	96.19	-9.37	86.82	94	-7.18	AVG	H	1.5	69
4878	55.78	-4.14	51.64	74	-22.36	peak	H	1.5	202
4878	41.70	-4.14	37.56	54	-16.44	AVG	H	1.5	167
7317	51.85	0.56	52.41	74	-21.59	peak	H	1.5	351
7317	37.19	0.56	37.75	54	-16.25	AVG	H	1.5	97
2439	95.14	-9.36	85.78	114	-28.22	peak	V	1.5	115
2439	95.27	-9.36	85.91	94	-8.09	AVG	V	1.5	33
4878	57.18	-4.14	53.04	74	-20.96	peak	V	1.5	62
4878	43.49	-4.14	39.35	54	-14.65	AVG	V	1.5	345
7317	50.83	0.56	51.39	74	-22.61	peak	V	1.5	10
7317	38.40	0.56	38.96	54	-15.04	AVG	V	1.5	282

Test mode:		Transmitting		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant Pol	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2478	99.51	-9.23	90.28	114	-23.72	peak	H	1.5	28
2478	97.88	-9.23	88.65	94	-5.35	AVG	H	1.5	213
2483.5	61.01	-9.29	51.72	74	-22.28	Peak	H	1.5	340
2483.5	43.71	-9.29	34.42	54	-19.58	AVG	H	1.5	276
4956	56.38	-4.03	52.35	74	-21.65	peak	H	1.5	178
4956	41.62	-4.03	37.59	54	-16.41	AVG	H	1.5	151
7434	53.19	1.68	54.87	74	-19.13	peak	H	1.5	33
7434	35.82	1.68	37.50	54	-16.50	AVG	H	1.5	271
2470	95.52	-9.23	86.29	114	-27.71	peak	V	1.5	134
2470	95.07	-9.23	85.84	94	-8.16	AVG	V	1.5	284
2483.5	60.16	-9.29	50.87	74	-23.13	peak	V	1.5	315
2483.5	43.47	-9.29	34.18	54	-19.82	AVG	V	1.5	19
4956	56.39	-4.03	52.36	74	-21.64	peak	V	1.5	38
4956	41.27	-4.03	37.24	54	-16.76	AVG	V	1.5	316
7434	52.05	1.68	53.73	74	-20.27	peak	V	1.5	142
7434	36.22	1.68	37.90	54	-16.10	AVG	V	1.5	290

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 2) Scan from 9kHz to 25GHz,The disturbance above 10GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .

5.4 20dB Bandwidth

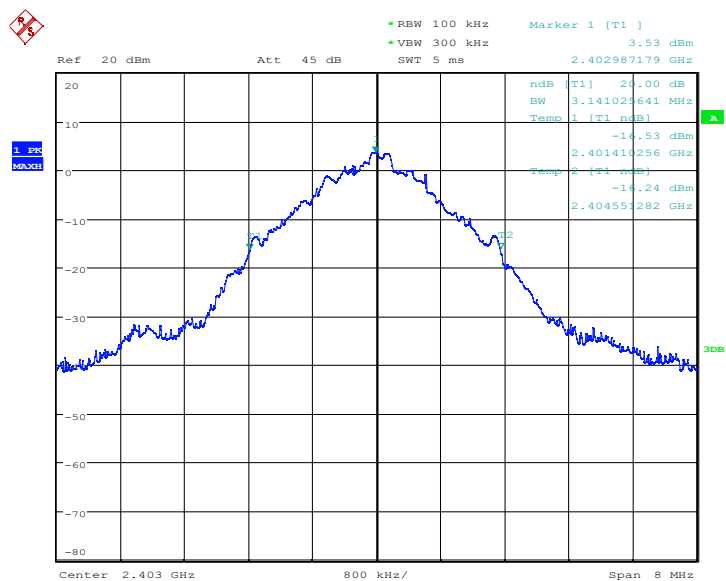
Test Requirement:	47 CFR Part 15C Section 15.215
Test Method:	ANSI C63.10:2013
Test Setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.
Test Mode:	Transmitting with OFDM modulation.
Limit:	N/A
Test Results:	Pass

Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	3.141	Pass
Middle	3.179	Pass
Highest	3.179	Pass

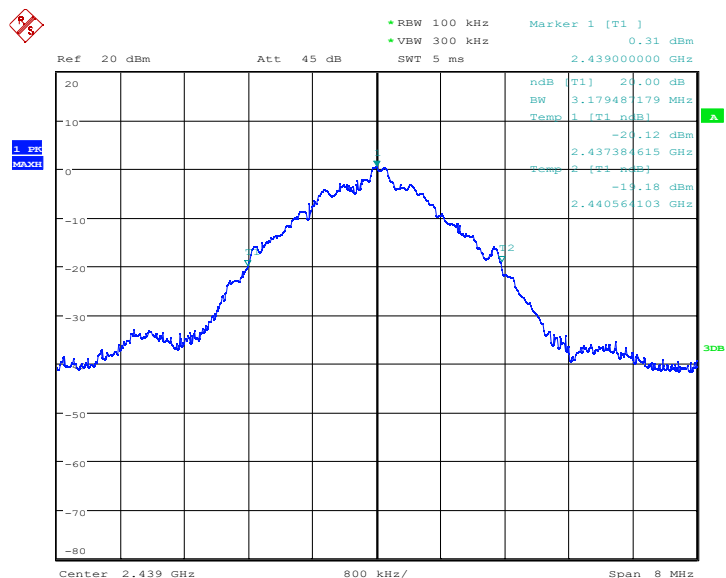
Test plot as follows:

Test channel: Lowest



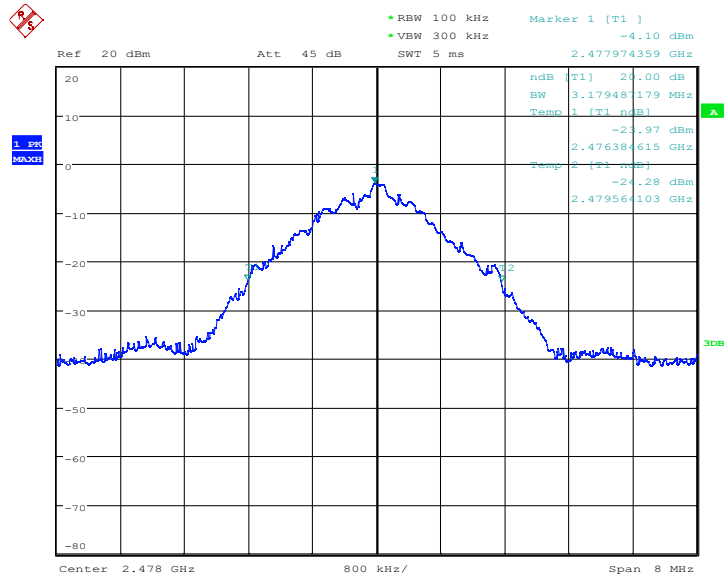
Date: 22.JUL.2025 09:28:25

Test channel: Middle



Date: 22.JUL.2025 09:30:02

Test channel: Highest



Date: 22.JUL.2025 09:26:23

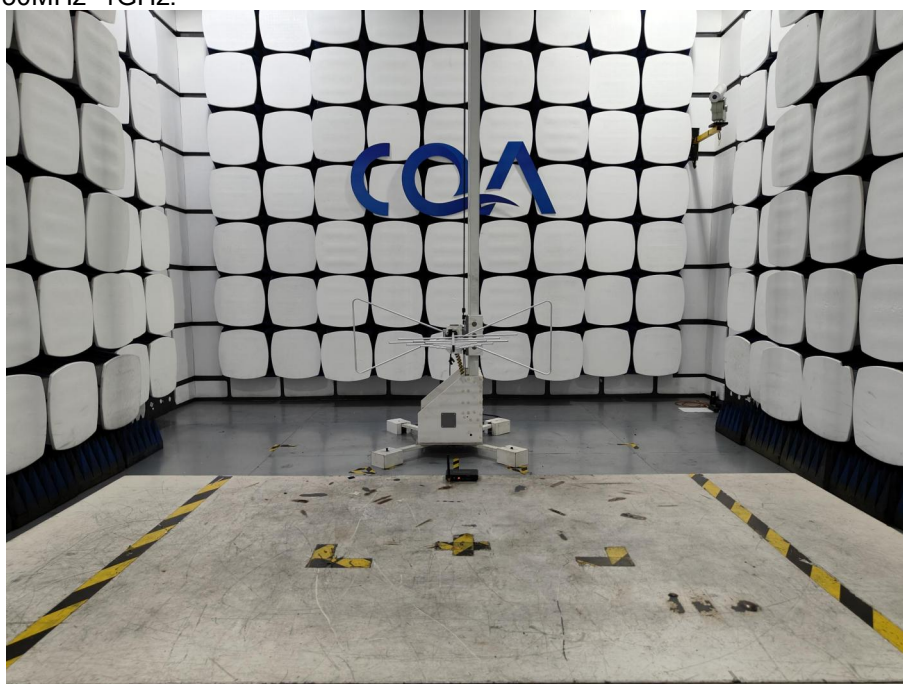
6 Photographs

6.1 Radiated Emission Test Setup

9kHz~30MHz



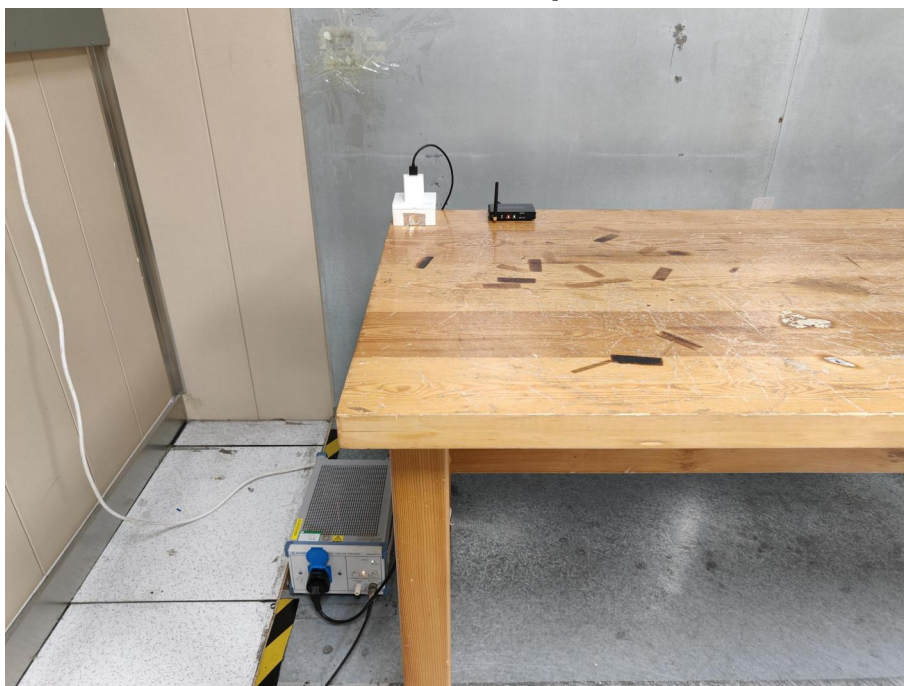
30MHz~1GHz:



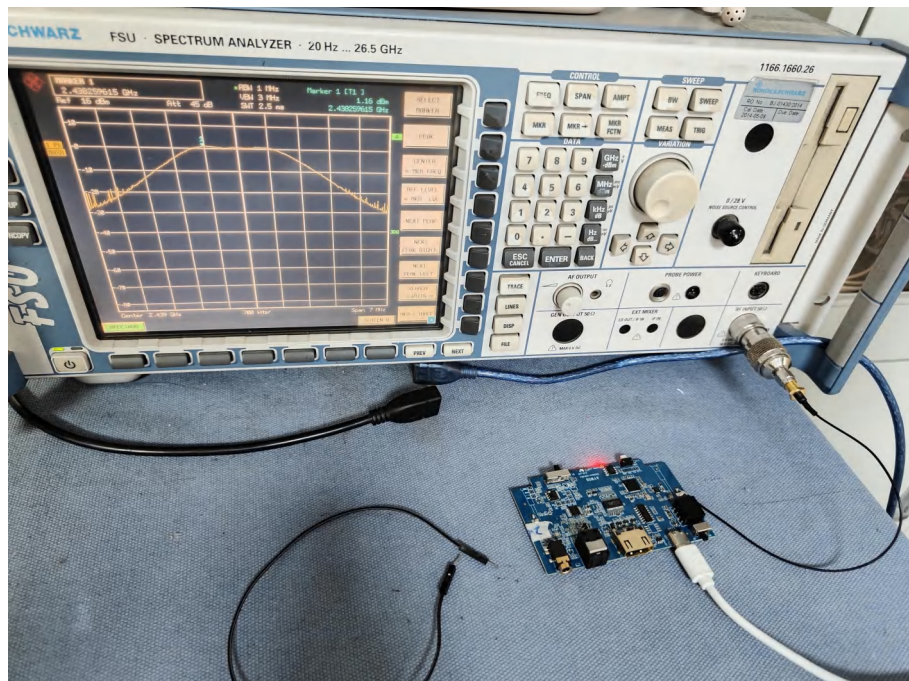
Above 1GHz:



6.2 Conducted Emission Test Setup



6.3 RF Conducted measurement



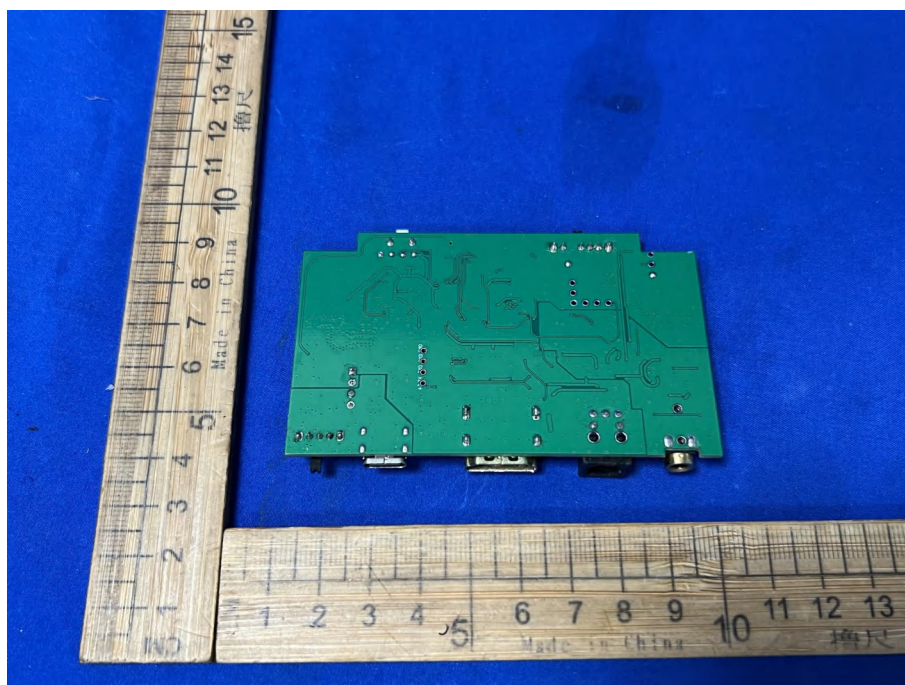
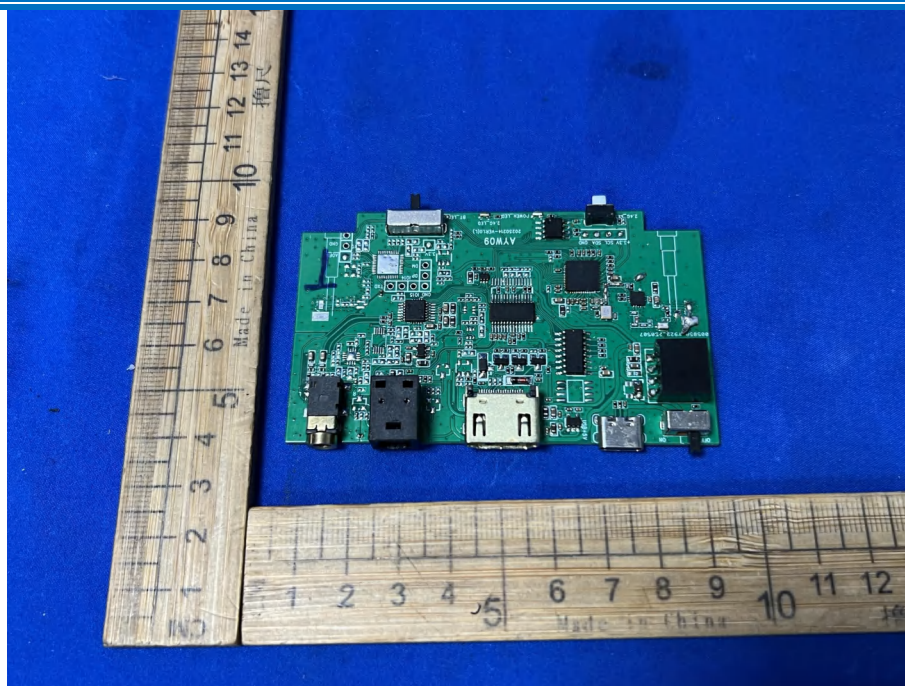
6.4 EUT Constructional Details











*** END OF REPORT ***