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Test Report

Report No.: CQASZ20250601413E-03
Applicant: Ultimea Technology (Shenzhen) Limited
Address of Applicant: 20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China

Equipment Under Test (EUT):

EUT Name: Soundbar
Model No.: U4124, U4125, U4126
Test Model No.: U4124
Brand Name: ULTIMEA
FCC ID: 2A9OO-U4124S
Standards: 47 CFR Part 15, Subpart C
Date of Receipt: 2025-06-23
Date of Test: 2025-06-23 to 2025-07-16
Date of Issue: 2025-9-10
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)



1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20250601413E-03	Rev.01	Initial report	2025-9-10

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:	Ultimea Technology (Shenzhen) Limited
Address of Applicant:	20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China
Manufacturer:	Ultimea Technology (Shenzhen) Limited
Address of Manufacturer:	20th Floor, Building 4, Tianan Cloud Park, Bantian St., Longgang District, Shenzhen, China
Factory:	Zhuhai Fenda Technology Co., Ltd.
Address of Factory:	3/F Building 3, 3/F Building 4, Building 5, 629 Damen Road, Sanzao Town, Jinwan District, Zhuhai City

4.2 General Description of EUT

EUT Name:	Soundbar
Model No.:	U4124, U4125, U4126
Test Model No.:	U4124
Trade Mark:	ULTIMEA
Software Version:	V1.0
Hardware Version:	D
Frequency Range:	5735MHz~5840MHz
Modulation Type:	GFSK
Number of Channels:	22
Sample Type:	<input checked="" type="checkbox"/> Mobile <input type="checkbox"/> Portable <input type="checkbox"/> Fix Location
Test Software of EUT:	Syncomm Debug Tool v25.02.17
Antenna Type:	PCB antenna
Antenna Gain:	2.85dBi
Power Supply:	<p>Surround speaker:</p> <p>Model NO.:FX36U-180150C Input:100-240V~ 50/60Hz 0.8A Output:18V= 1.5A(27.0W)</p> <p>Master:</p> <p>MODEL NO.:FX65C-180360Z Input:100-240V~ 50/60Hz 1.5A Output:18V= 3.6A</p> <p>Subwoofer :</p> <p>AC 120V 60Hz</p>
Simultaneous Transmission	<input checked="" type="checkbox"/> Simultaneous TX is supported and evaluated in this report. <input type="checkbox"/> Simultaneous TX is not supported.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5735MHz	13	5795MHz	25	/	37	/
2	5740MHz	14	5800MHz	36	/	38	/
3	5745MHz	15	5805MHz	27	/	39	/
4	5750MHz	16	5810MHz	28	/	40	/
5	5755MHz	17	5815MHz	29	/	41	/
6	5760MHz	18	5820MHz	30	/	42	/
7	5765MHz	19	5825MHz	31	/	43	/
8	5770MHz	20	5830MHz	32	/	44	/
9	5775MHz	21	5835MHz	33	/	45	/
10	5780MHz	22	5840MHz	34	/	46	/
11	5785MHz	23	/	35	/	47	/
12	5790MHz	24	/	36	/	48	/

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)	5735MHz
The Middle channel(CH11)	5785MHz
The Highest channel(CH22)	5840MHz

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
/	/	/	/	/

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

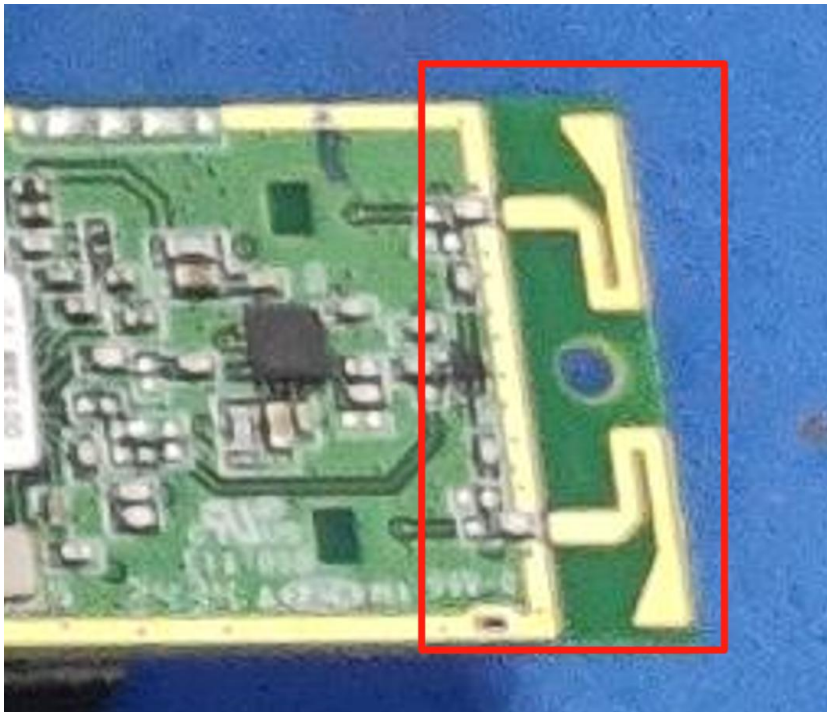
Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2024/9/2	2025/9/1
Spectrum analyzer	R&S	FSU26	CQA-038	2024/9/2	2025/9/1
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2024/9/2	2025/9/1
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2024/9/2	2025/9/1
Loop antenna	Schwarzbeck	FMZB1516	CQA-087	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	C019	2024/9/2	2025/9/1
Coaxial Cable (Below 1GHz)	CQA	N/A	C020	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 divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2024/9/2	2025/9/1
EMI Test Receiver	R&S	ESPI3	CQA-013	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

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

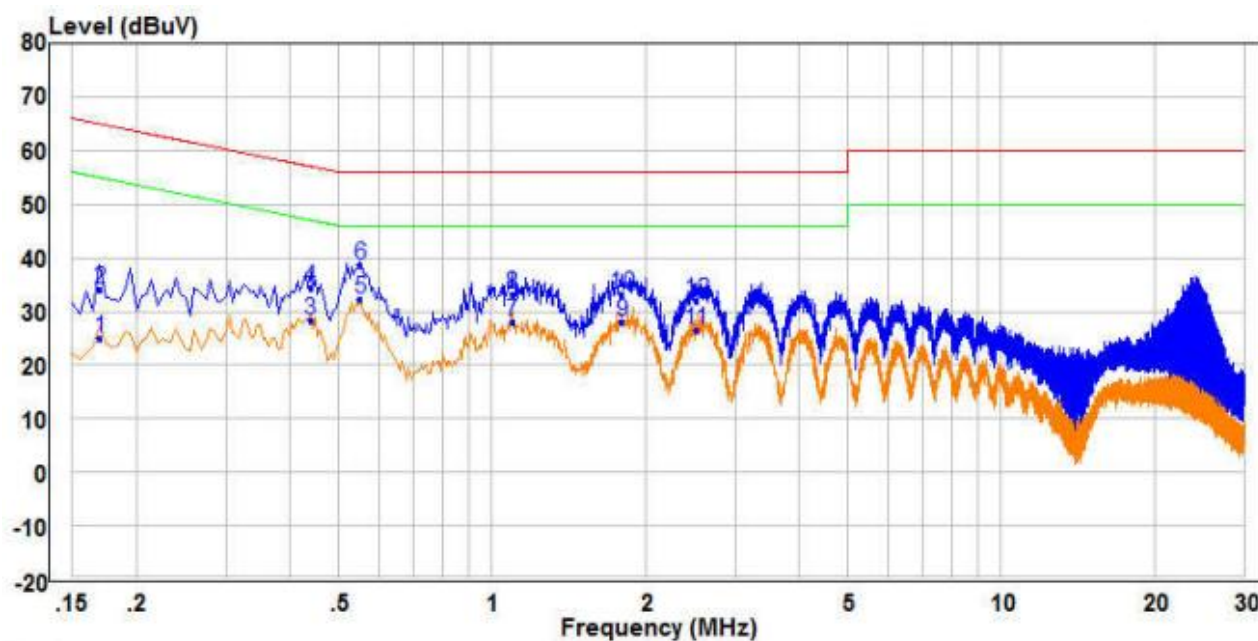
5.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203
<p>15.203 requirement:</p> <p>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.</p>	
EUT Antenna:	
<p>The antenna is PCB antenna.</p> <p>The connection/connection type between the antenna to the EUT's antenna port is: permanently attachment.</p>	
Simultaneous TX is not supported	

Test Mode:	Charge +Transmitting mode.
Final Test Mode:	Charge +Transmitting mode
Test Results:	Pass

Measurement Data:

Live line:

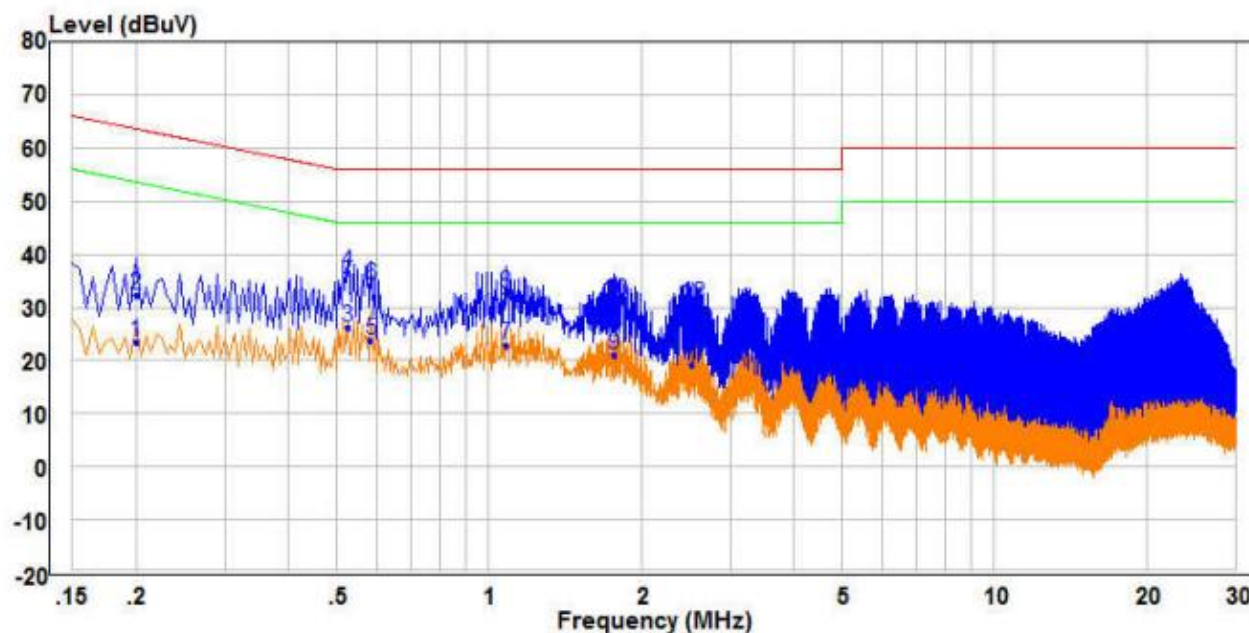


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.170	15.43	9.66	25.09	54.96	-29.87	Average	Line
2	0.170	24.35	9.66	34.01	64.96	-30.95	QP	Line
3	0.440	18.77	9.65	28.42	47.06	-18.64	Average	Line
4	0.440	24.86	9.65	34.51	57.06	-22.55	QP	Line
5 PP	0.550	22.63	9.75	32.38	46.00	-13.62	Average	Line
6 QP	0.550	29.05	9.75	38.80	56.00	-17.20	QP	Line
7	1.095	18.08	9.95	28.03	46.00	-17.97	Average	Line
8	1.095	23.19	9.95	33.14	56.00	-22.86	QP	Line
9	1.800	16.71	11.35	28.06	46.00	-17.94	Average	Line
10	1.800	21.91	11.35	33.26	56.00	-22.74	QP	Line
11	2.520	15.51	11.16	26.67	46.00	-19.33	Average	Line
12	2.520	20.79	11.16	31.95	56.00	-24.05	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:



	Freq	Read	Factor	Level	Limit	Over	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.200	13.72	9.61	23.33	53.61	-30.28	Average	Neutral
2	0.200	22.72	9.61	32.33	63.61	-31.28	QP	Neutral
3 AV	0.525	16.38	9.72	26.10	46.00	-19.90	Average	Neutral
4 PP	0.525	26.89	9.72	36.61	56.00	-19.39	QP	Neutral
5	0.585	14.07	9.79	23.86	46.00	-22.14	Average	Neutral
6	0.585	24.29	9.79	34.08	56.00	-21.92	QP	Neutral
7	1.080	13.27	9.70	22.97	46.00	-23.03	Average	Neutral
8	1.080	23.01	9.70	32.71	56.00	-23.29	QP	Neutral
9	1.765	11.18	9.74	20.92	46.00	-25.08	Average	Neutral
10	1.765	21.30	9.74	31.04	56.00	-24.96	QP	Neutral
11	2.525	9.49	9.76	19.25	46.00	-26.75	Average	Neutral
12	2.525	20.70	9.76	30.46	56.00	-25.54	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:

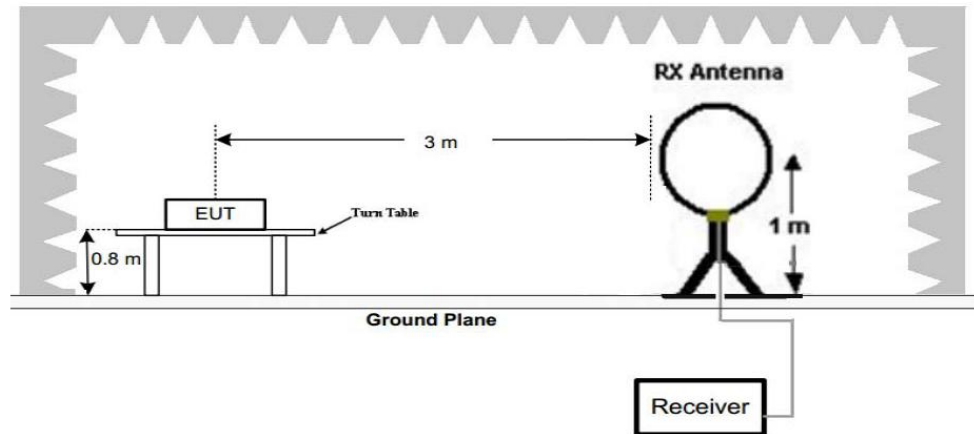


Figure 1. Below 30MHz

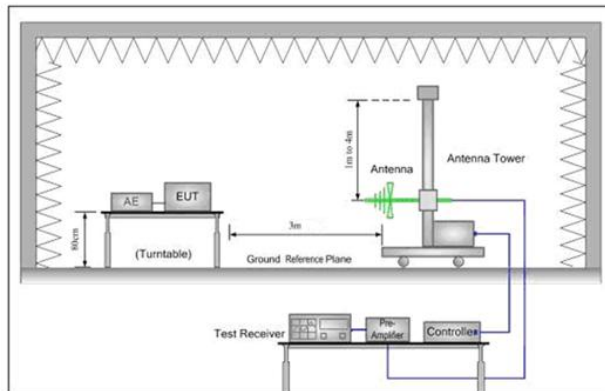


Figure 2. 30MHz to 1GHz

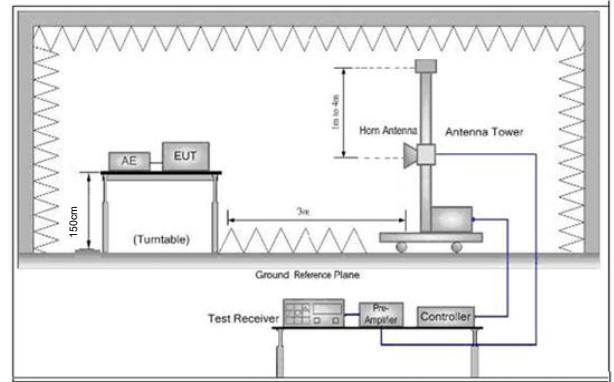


Figure 3. Above 1 GHz

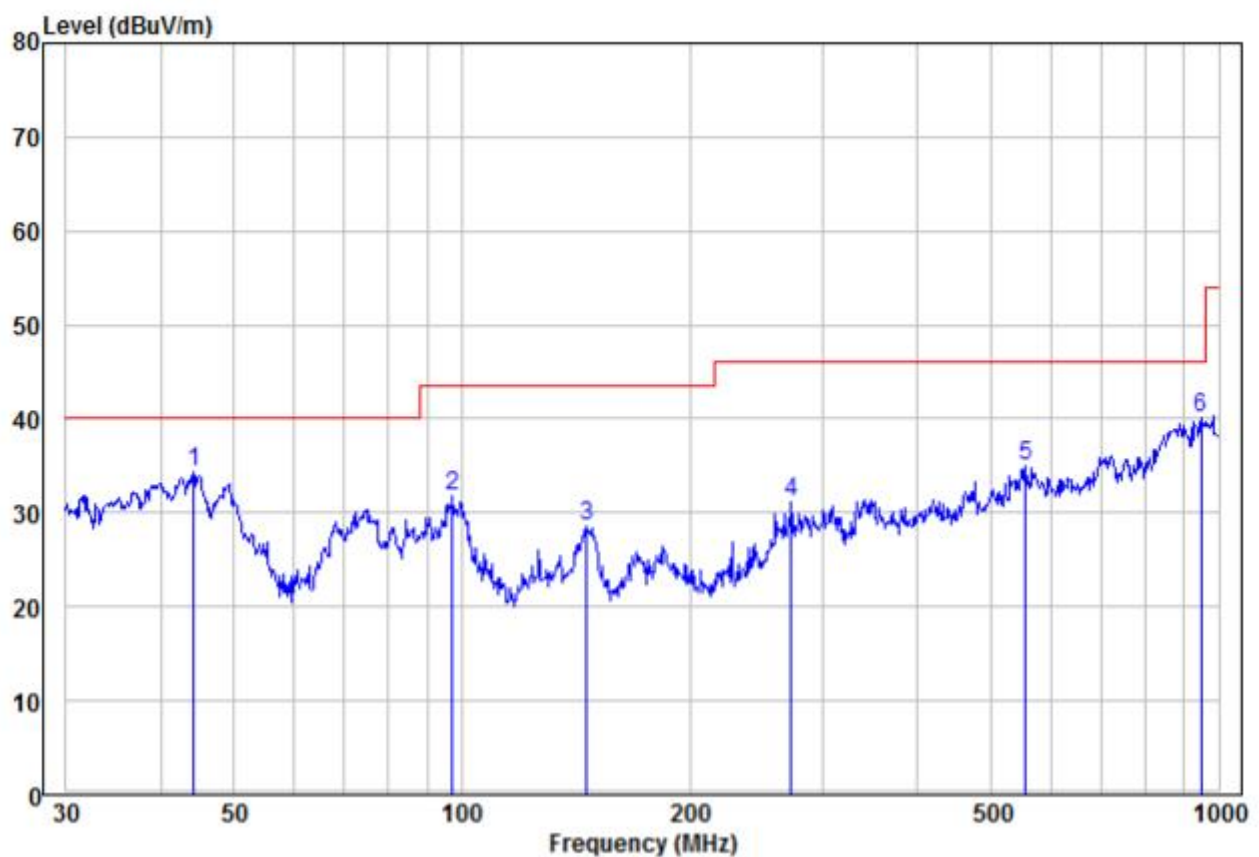
Test Procedure:

- 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

	<p>was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>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.</p> <p>g. Test the EUT in the lowest channel,the middle channel,the Highest channel</p> <p>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.</p> <p>i. Repeat above procedures until all frequencies measured was complete.</p>
Exploratory Test Mode:	Charge + Transmitting mode.
Final Test Mode:	<p>Charge + Transmitting mode.For below 1GHz part, through pre-scan, the worst case is the lowest channel.</p> <p>Only the worst case is recorded in the report.</p> <p>Through Pre-scan all antenna, find the ANT1 is the worst case , So only the worst antenna is recorded in the report.</p>
Test Results:	Pass

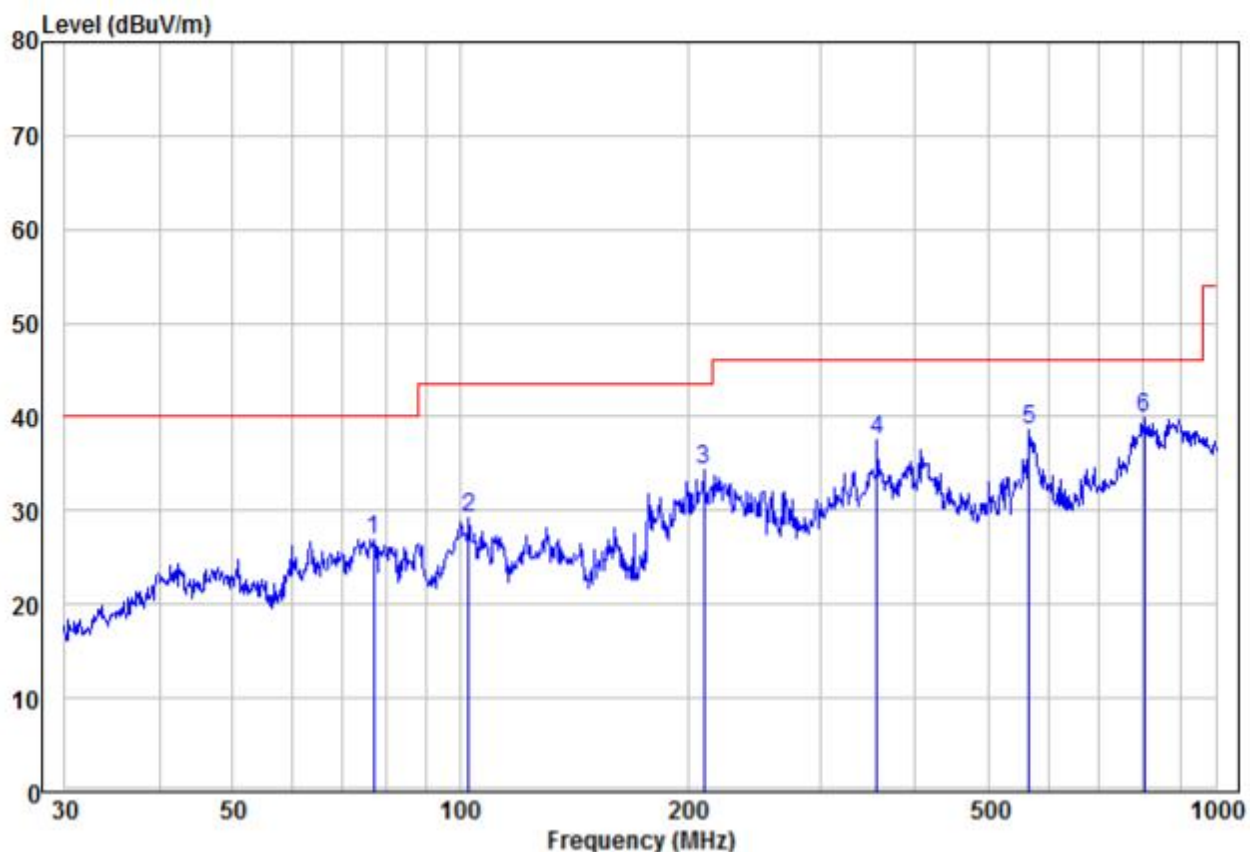
Measurement Data

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 pp	44.28	21.48	12.79	34.27	40.00	-5.73	Peak	VERTICAL	100	55
2	97.11	19.25	12.53	31.78	43.50	-11.72	Peak	VERTICAL	100	110
3	146.37	18.91	9.73	28.64	43.50	-14.86	Peak	VERTICAL	100	221
4	272.28	14.05	17.00	31.05	46.00	-14.95	Peak	VERTICAL	100	260
5	556.77	12.47	22.45	34.92	46.00	-11.08	Peak	VERTICAL	100	130
6	948.76	11.39	28.68	40.07	46.00	-5.93	Peak	VERTICAL	100	104

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	76.78	17.99	8.98	26.97	40.00	-13.03	Peak	HORIZONTAL	100	25
2	102.72	16.40	12.92	29.32	43.50	-14.18	Peak	HORIZONTAL	100	50
3	210.05	21.03	13.29	34.32	43.50	-9.18	Peak	HORIZONTAL	100	68
4	356.68	18.34	19.15	37.49	46.00	-8.51	Peak	HORIZONTAL	100	156
5	566.62	15.92	22.64	38.56	46.00	-7.44	Peak	HORIZONTAL	100	216
6 pp	804.60	12.64	27.28	39.92	46.00	-6.08	Peak	HORIZONTAL	100	137

Above 1GHz							
Test mode:		Transmitting		Test channel:		Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5725	45.95	-9.39	36.56	74	-37.44	Peak	H
5725	46.53	-9.39	37.14	54	-16.86	AVG	H
5735	100.14	-9.33	90.81	114	-23.19	peak	H
5735	97.89	-9.33	88.56	94	-5.44	AVG	H
11470	55.73	-4.28	51.45	74	-22.55	peak	H
11470	43.54	-4.28	39.26	54	-14.74	AVG	H
17205	50.95	1.13	52.08	74	-21.92	peak	H
17205	38.32	1.13	39.45	54	-14.55	AVG	H
5725	62.18	-9.39	52.79	74	-21.21	peak	V
5725	46.56	-9.39	37.17	54	-16.83	AVG	V
5735	97.26	-9.33	87.93	114	-26.07	peak	V
5735	91.19	-9.33	81.86	94	-12.14	AVG	V
11470	56.79	-4.28	52.51	74	-21.49	peak	V
11470	43.64	-4.28	39.36	54	-14.64	AVG	V
17205	52.78	1.13	53.91	74	-20.09	peak	V
17205	36.33	1.13	37.46	54	-16.54	AVG	V

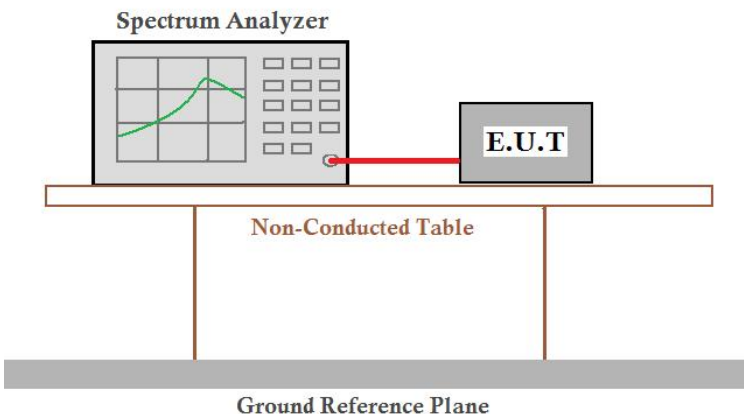
Test mode:		Transmitting		Test channel:		Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5785	99.45	-9.37	90.08	114	-23.92	peak	H
5785	95.91	-9.37	86.54	94	-7.46	AVG	H
11570	56.00	-4.14	51.86	74	-22.14	peak	H
11570	42.06	-4.14	37.92	54	-16.08	AVG	H
17355	51.68	0.56	52.24	74	-21.76	peak	H
17355	37.41	0.56	37.97	54	-16.03	AVG	H
5785	95.46	-9.36	86.10	114	-27.90	peak	V
5785	95.27	-9.36	85.91	94	-8.09	AVG	V
11570	55.30	-4.14	51.16	74	-22.84	peak	V
11570	43.41	-4.14	39.27	54	-14.73	AVG	V
17355	52.73	0.56	53.29	74	-20.71	peak	V
17355	38.29	0.56	38.85	54	-15.15	AVG	V

Test mode:		Transmitting		Test channel:		Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V
5840	100.18	-9.23	90.95	114	-23.05	peak	H
5840	97.74	-9.23	88.51	94	-5.49	AVG	H
11680	57.28	-4.03	53.25	74	-20.75	peak	H
11680	42.61	-4.03	38.58	54	-15.42	AVG	H
17520	50.80	1.68	52.48	74	-21.52	peak	H
17520	35.72	1.68	37.40	54	-16.60	AVG	H
5840	95.68	-9.23	86.45	114	-27.55	peak	V
5840	94.08	-9.23	84.85	94	-9.15	AVG	V
11680	55.38	-4.03	51.35	74	-22.65	peak	V
11680	42.80	-4.03	38.77	54	-15.23	AVG	V
17520	52.61	1.68	54.29	74	-19.71	peak	V
17520	36.31	1.68	37.99	54	-16.01	AVG	V

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:	 <p>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.</p>
Test Mode:	Transmitting with GFSK modulation.
Limit:	N/A
Test Results:	Pass

Measurement Data

ANT1:

Test channel	20dB bandwidth (MHz)	Results
Lowest	3.9	Pass
Middle	3.92	Pass
Highest	3.93	Pass

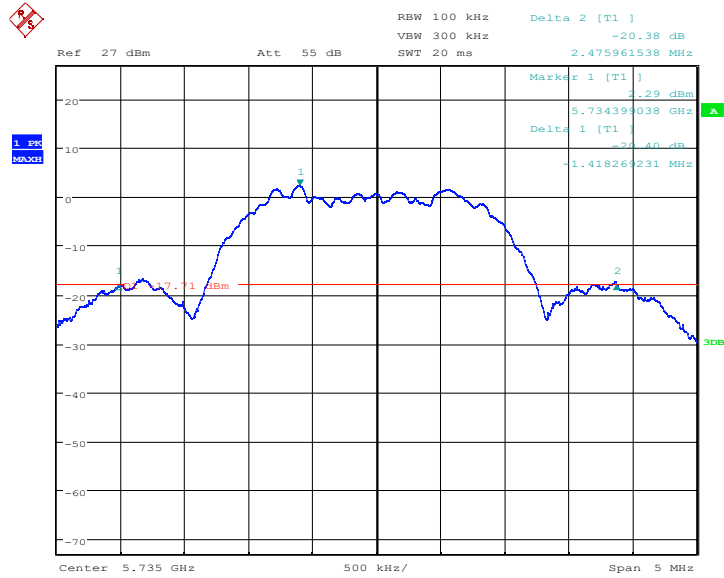
ANT2:

Test channel	20dB bandwidth (MHz)	Results
Lowest	3.91	Pass
Middle	3.94	Pass
Highest	3.93	Pass

Test plot as follows:

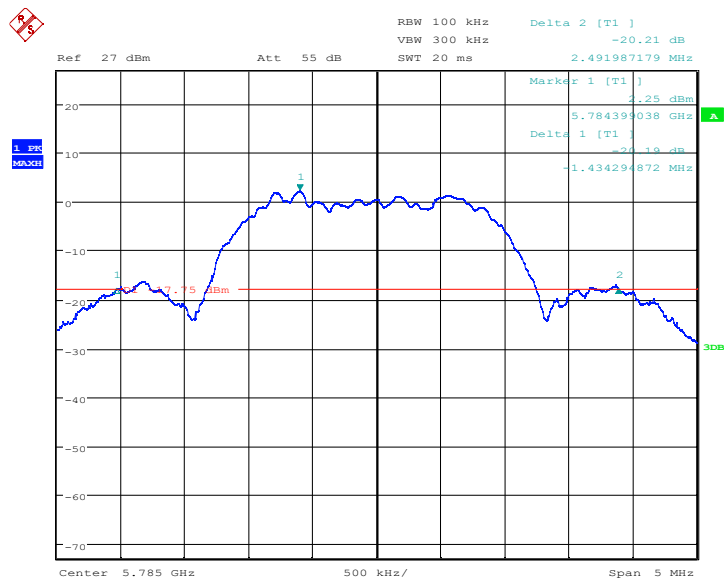
Ant1:

Test channel:	Lowest
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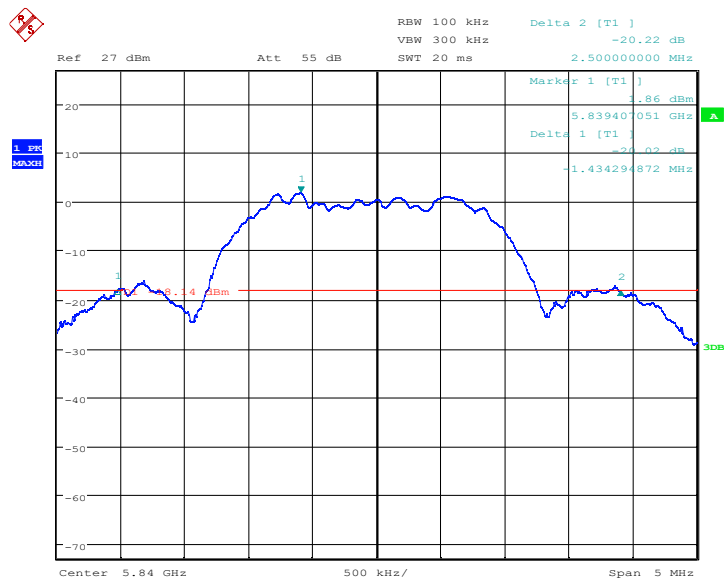
Date: 14.JUL.2025 13:41:03

Test channel:	Middle
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Date: 14.JUL.2025 13:42:34

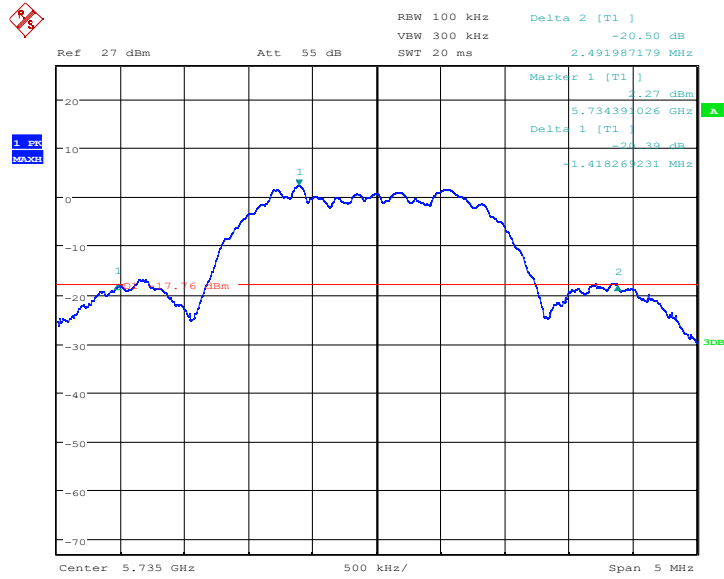
Test channel: Highest



Date: 14.JUL.2025 13:45:05

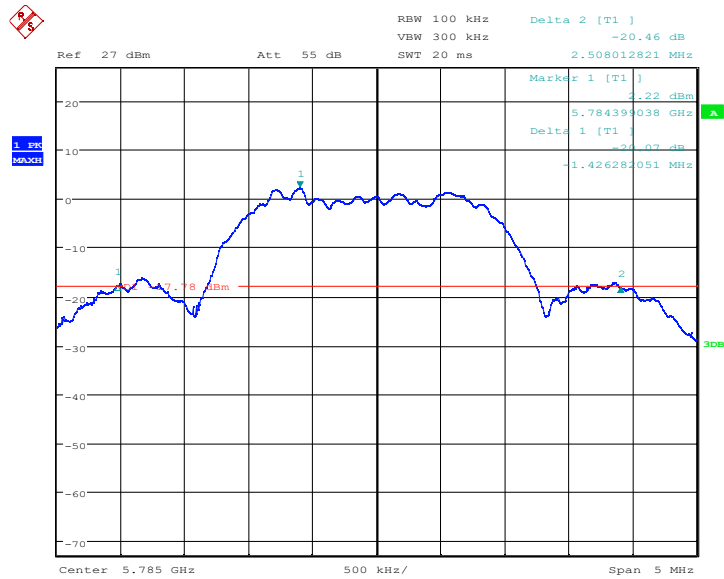
Ant2:

Test channel: Lowest



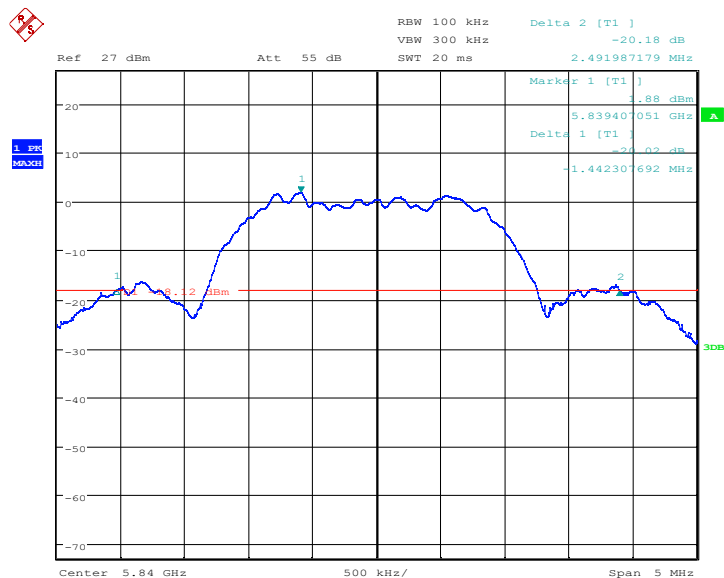
Date: 14.JUL.2025 13:51:26

Test channel: Middle



Date: 14.JUL.2025 13:50:07

Test channel: Highest

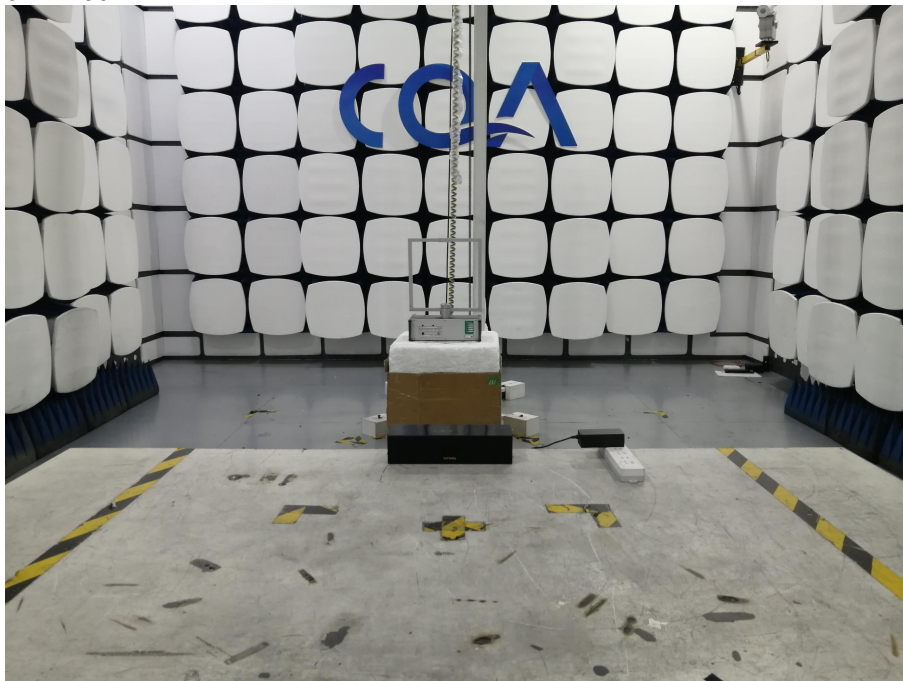


Date: 14.JUL.2025 13:48:34

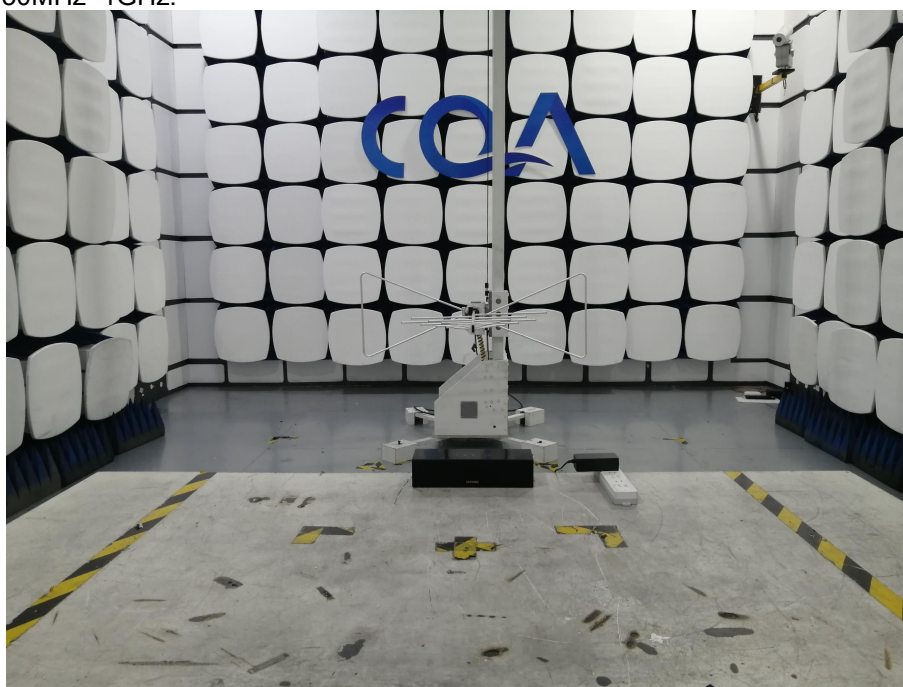
6 Photographs

6.1 Radiated Emission Test Setup

9kHz~30MHz



30MHz~1GHz:



Above 1GHz:



6.2 Conducted Emission Test Setup



6.3 EUT Constructional Details

Refer to Photographs - EUT Constructional Details OF EUT for CQASZ20250601413E-01.

*** END OF REPORT ***