



SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD

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Test Report

Report No.: CQASZ20260100288E-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.: U622A, U622C, U622D, U622B, U622E, U622F
Test Model No.: U622A
Brand Name: ULTIMEA
FCC ID: 2A9OO-U622AS
Standards: 47 CFR Part 15, Subpart C
Date of Receipt: 2026-01-30
Date of Test: 2026-01-30 to 2026-03-13
Date of Issue: 2026-4-27
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
CQASZ20260100288E-03	Rev.01	Initial report	2026-4-27

Model No.: U622A, U622C, U622D, U622B, U622E, U622F

Their electrical circuit design, layout, components used and internal wiring are identical,

Only the number of subwoofers and AC power cords is different, and the built-in power boards of subwoofers are also different.

2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203	ANSI C63.10 (2020)	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 (2020)	PASS
Field Strength of the Fundamental Signal	47 CFR Part 15, Subpart C Section 15.249 (a)	ANSI C63.10 (2020)	PASS
Spurious Emissions	47 CFR Part 15, Subpart C Section 15.249 (a)/15.209	ANSI C63.10 (2020)	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.249(a)/15.205	ANSI C63.10 (2020)	PASS
20dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.215 (c)	ANSI C63.10 (2020)	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.:	U622A, U622C, U622D, U622B, U622E, U622F
Test Model No.:	U622A
Trade Mark:	ULTIMEA
Software Version:	V1.0
Hardware Version:	U622A-MF
Frequency Range:	5725Mhz-5850Mhz
Modulation Type:	GFSK
Number of Channels:	118 channel
Sample Type:	☒ Mobile ☐ Portable ☐ Fix Location
Test Software of EUT:	sscom5.13.1
Antenna Type:	FPC antenna
Antenna Gain:	5dBi
Power Supply:	Model:FX96W-180500D1 Input:100-240V~50/60Hz 1.5A Max Output:18V=5A

Operation Frequency each of channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH0	5730	CH41	5771	CH82	5812
CH1	5731	CH42	5772	CH83	5813
CH2	5732	CH43	5773	CH84	5814
CH3	5733	CH44	5774	CH85	5815
CH4	5734	CH45	5775	CH86	5816
CH5	5735	CH46	5776	CH87	5817
CH6	5736	CH47	5777	CH88	5818
CH7	5737	CH48	5778	CH89	5819
CH8	5738	CH49	5779	CH90	5820
CH9	5739	CH50	5780	CH91	5821
CH10	5740	CH51	5781	CH92	5822
CH11	5741	CH52	5782	CH93	5823
CH12	5742	CH53	5783	CH94	5824
CH13	5743	CH54	5784	CH95	5825
CH14	5744	CH55	5785	CH96	5826
CH15	5745	CH56	5786	CH97	5827
CH16	5746	CH57	5787	CH98	5828
CH17	5747	CH58	5788	CH99	5829
CH18	5748	CH59	5789	CH100	5830
CH19	5749	CH60	5790	CH101	5831
CH20	5750	CH61	5791	CH102	5832
CH21	5751	CH62	5792	CH103	5833
CH22	5752	CH63	5793	CH104	5834
CH23	5753	CH64	5794	CH105	5835
CH24	5754	CH65	5795	CH106	5836
CH25	5755	CH66	5796	CH107	5837
CH26	5756	CH67	5797	CH108	5838
CH27	5757	CH68	5798	CH109	5839
CH28	5758	CH69	5799	CH110	5840
CH29	5759	CH70	5800	CH111	5841
CH30	5760	CH71	5801	CH112	5842

CH31	5761	CH72	5802	CH113	5843
CH32	5762	CH73	5803	CH114	5844
CH33	5763	CH74	5804	CH115	5845
CH34	5764	CH75	5805	CH116	5846
CH35	5765	CH76	5806	CH117	5847
CH36	5766	CH77	5807	CH118	5848
CH37	5767	CH78	5808		
CH38	5768	CH79	5809		
CH39	5769	CH80	5810		
CH40	5770	CH81	5811		

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)	5730Mhz
The Middle channel(CH60)	5790Mhz
The Highest channel(CH118)	5848Mhz

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

102A, 102B, Building 2, Shanghenglang New Industrial Zone, Shanghenglang Community,
Dalang Street, Longhua District, Shenzhen, Guangdong, People's Republic of China, 518000

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	2025/9/1	2026/8/31
Spectrum analyzer	R&S	FSU26	CQA-038	2025/9/1	2026/8/31
Spectrum analyzer	R&S	FSU40	CQA-075	2025/9/1	2026/8/31
Preamplifier	MITEQ	AFS4-00010300-18-10P-4	CQA-035	2025/9/1	2026/8/31
Preamplifier	MITEQ	AMF-6D-02001800-29-20P	CQA-036	2025/9/1	2026/8/31
Preamplifier	EMCI	EMC184055SE	CQA-089	2025/9/1	2026/8/31
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	2025/9/1	2026/8/31
Coaxial Cable (Below 1GHz)	CQA	N/A	C013	2025/9/1	2026/8/31
Antenna Connector	CQA	RFC-01	CQA-080	2025/9/1	2026/8/31
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2025/9/1	2026/8/31
Power meter	R&S	NRVD	CQA-029	2025/9/1	2026/8/31
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2025/9/1	2026/8/31
EMI Test Receiver	R&S	ESR7	CQA-005	2025/9/1	2026/8/31
LISN	R&S	ENV216	CQA-003	2025/9/1	2026/8/31
Coaxial cable	CQA	N/A	CQA-C009	2025/9/1	2026/8/31
DC power	KEYSIGHT	E3631A	CQA-028	2025/9/1	2026/8/31

Note:

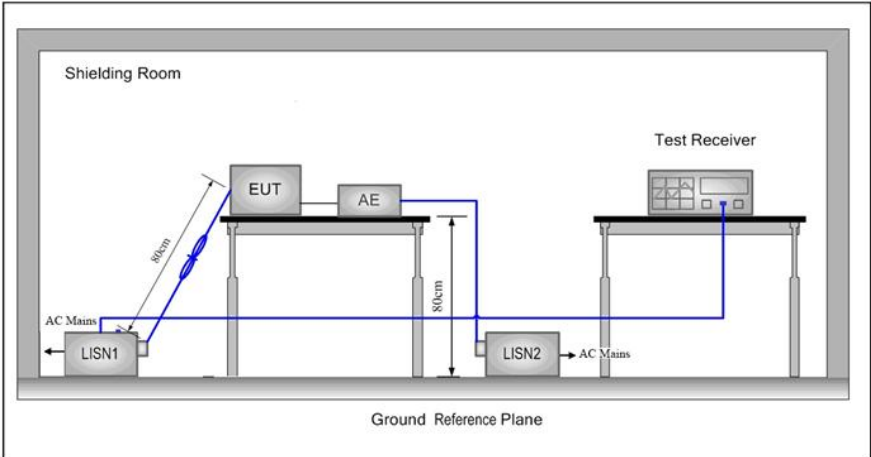
The temporary antenna connector is soldered on the pcb board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

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 FPC antenna. The best case gain of the antenna is 5dBi.	

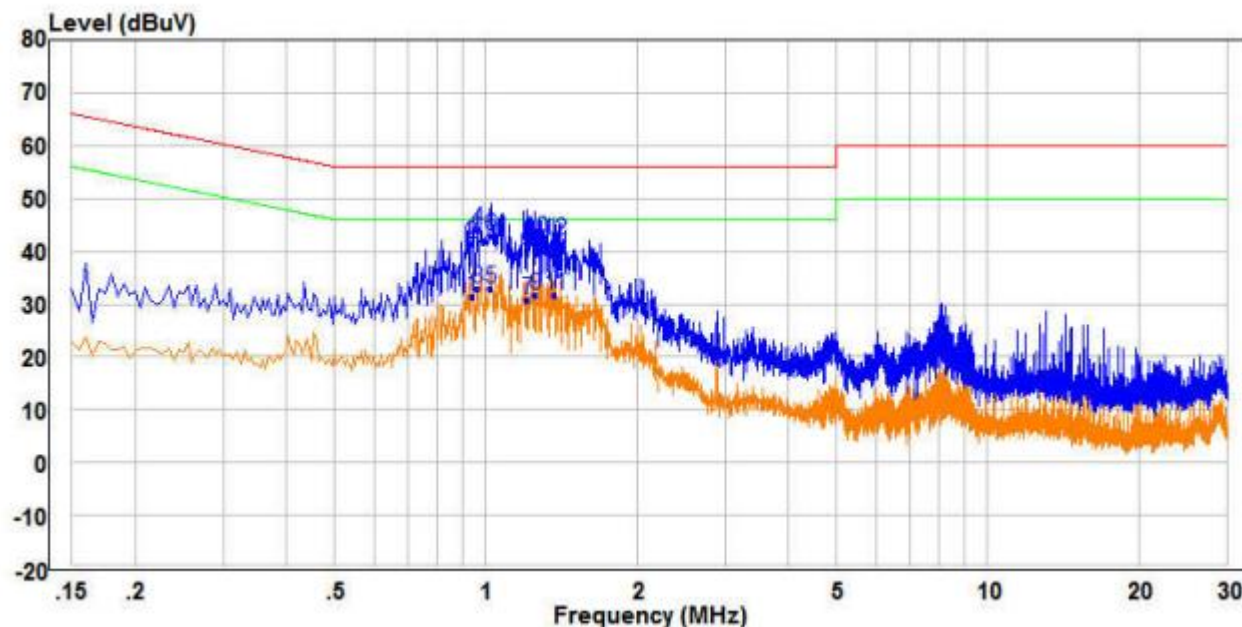
5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2020		
Test Frequency Range:	150kHz to 30MHz		
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 Procedure:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) 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: 2020 on conducted measurement.		
Test Setup:			

Test Mode:	TX mode.
Test Results:	Pass

Measurement Data:

Live line:

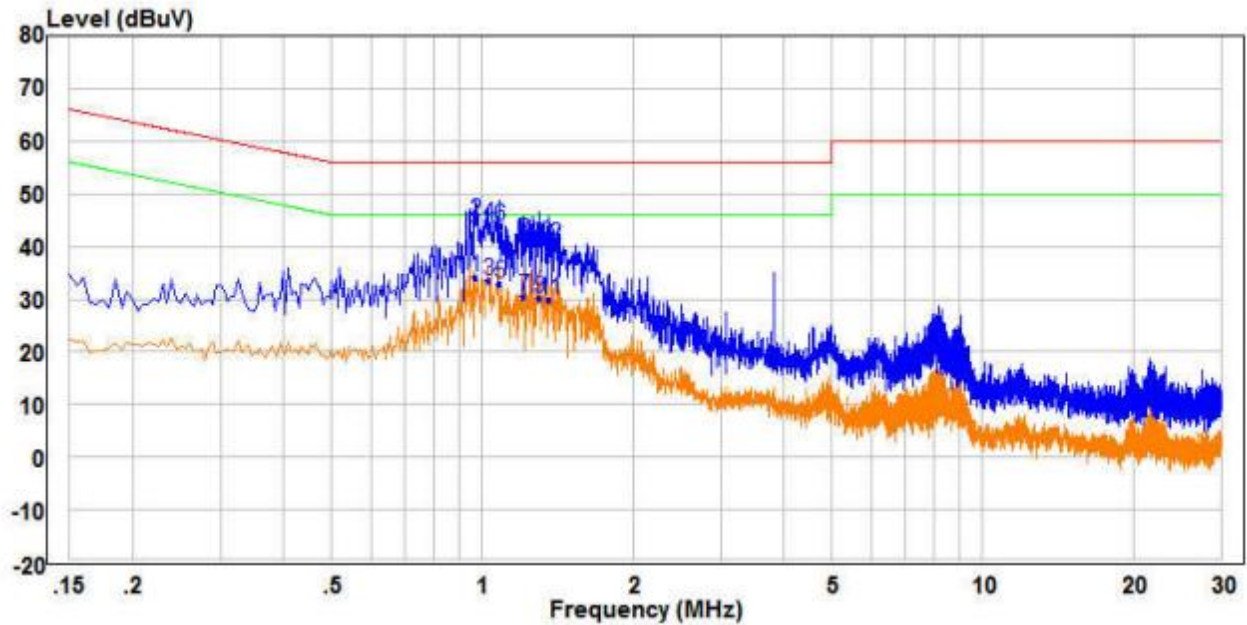


	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.940	21.57	9.74	31.31	46.00	-14.69	Average	Line
2	0.940	31.54	9.74	41.28	56.00	-14.72	QP	Line
3 AV	0.965	23.28	9.72	33.00	46.00	-13.00	Average	Line
4 PP	0.965	34.57	9.72	44.29	56.00	-11.71	QP	Line
5	1.020	23.14	9.75	32.89	46.00	-13.11	Average	Line
6	1.020	33.09	9.75	42.84	56.00	-13.16	QP	Line
7	1.210	20.44	10.23	30.67	46.00	-15.33	Average	Line
8	1.210	31.31	10.23	41.54	56.00	-14.46	QP	Line
9	1.255	21.51	10.33	31.84	46.00	-14.16	Average	Line
10	1.255	32.02	10.33	42.35	56.00	-13.65	QP	Line
11	1.370	21.00	10.58	31.58	46.00	-14.42	Average	Line
12	1.370	31.59	10.58	42.17	56.00	-13.83	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		Limit	Over		
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	Pol/Phase
1	AV	0.970	24.32	9.72	34.04	46.00	-11.96 Average
2	PP	0.970	35.02	9.72	44.74	56.00	-11.26 QP
3		1.030	23.93	9.70	33.63	46.00	-12.37 Average
4		1.030	34.35	9.70	44.05	56.00	-11.95 QP
5		1.085	23.25	9.70	32.95	46.00	-13.05 Average
6		1.085	34.08	9.70	43.78	56.00	-12.22 QP
7		1.210	20.73	9.71	30.44	46.00	-15.56 Average
8		1.210	31.26	9.71	40.97	56.00	-15.03 QP
9		1.300	20.38	9.72	30.10	46.00	-15.90 Average
10		1.300	30.92	9.72	40.64	56.00	-15.36 QP
11		1.360	20.19	9.72	29.91	46.00	-16.09 Average
12		1.360	30.38	9.72	40.10	56.00	-15.90 QP

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: 2020				
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	
	5725MHz-5875MHz	94.0		Average Value	
		114.0		Peak Value	

Test Setup:

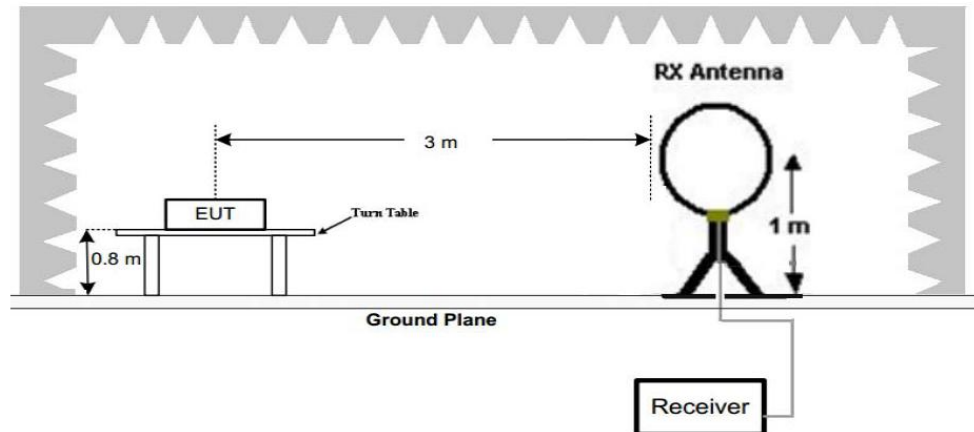


Figure 1. Below 30MHz

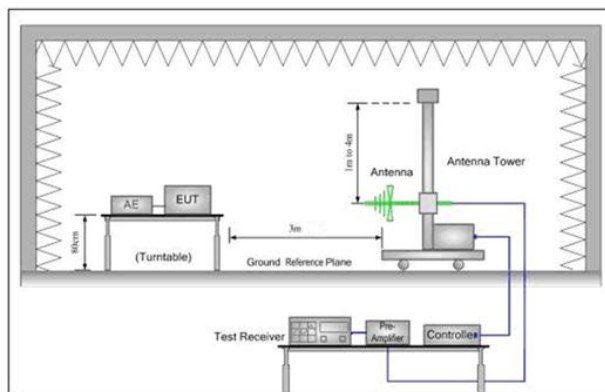


Figure 2. 30MHz to 1GHz

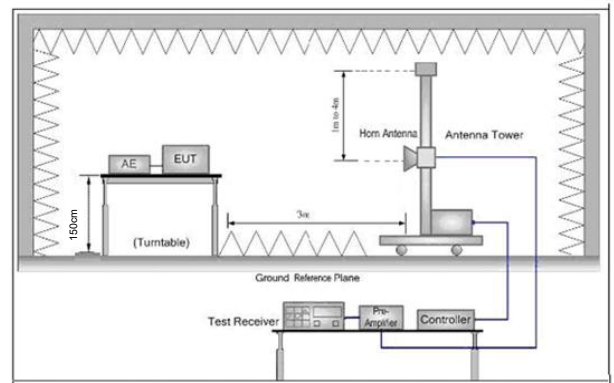


Figure 3. Above 1 GHz

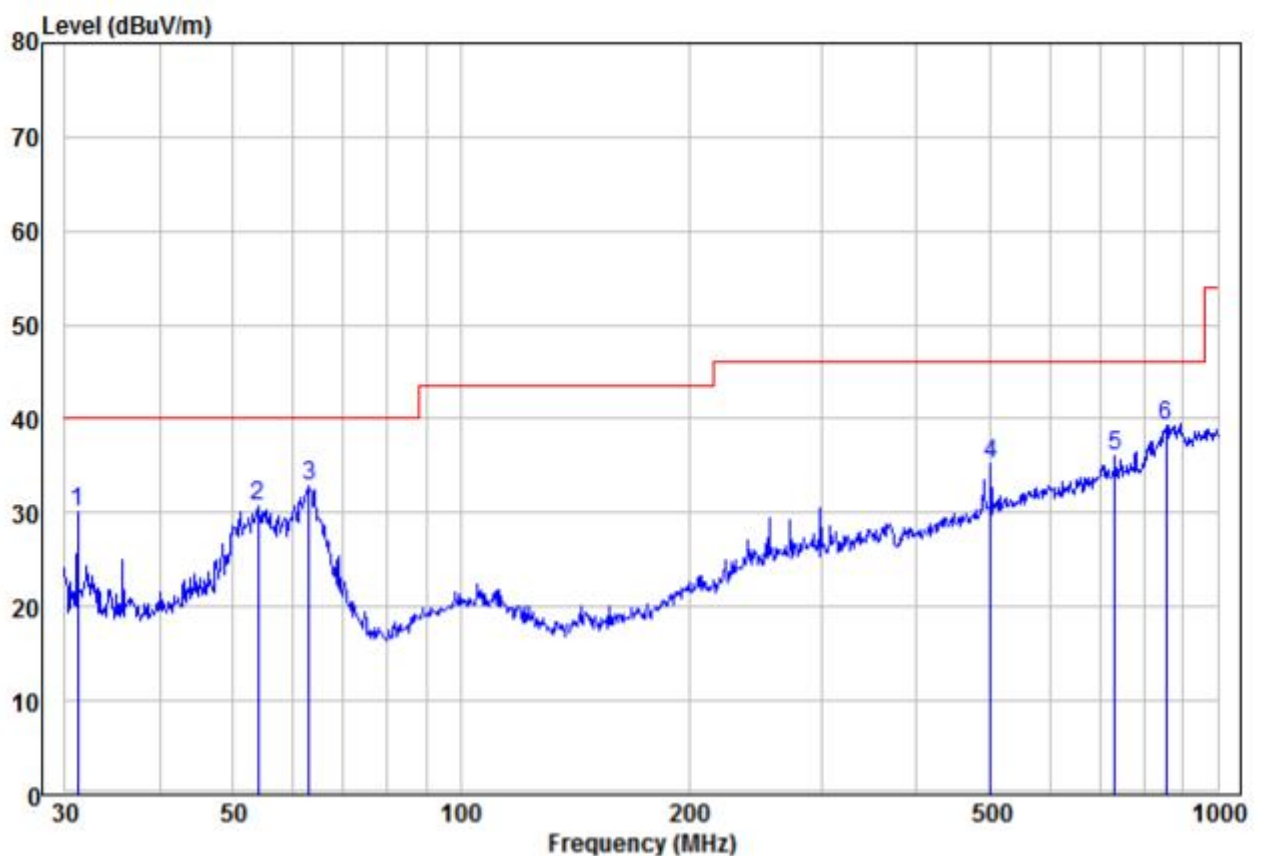
Test Procedure:

- 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.
Test Mode:	TX mode.
Test Results:	Pass

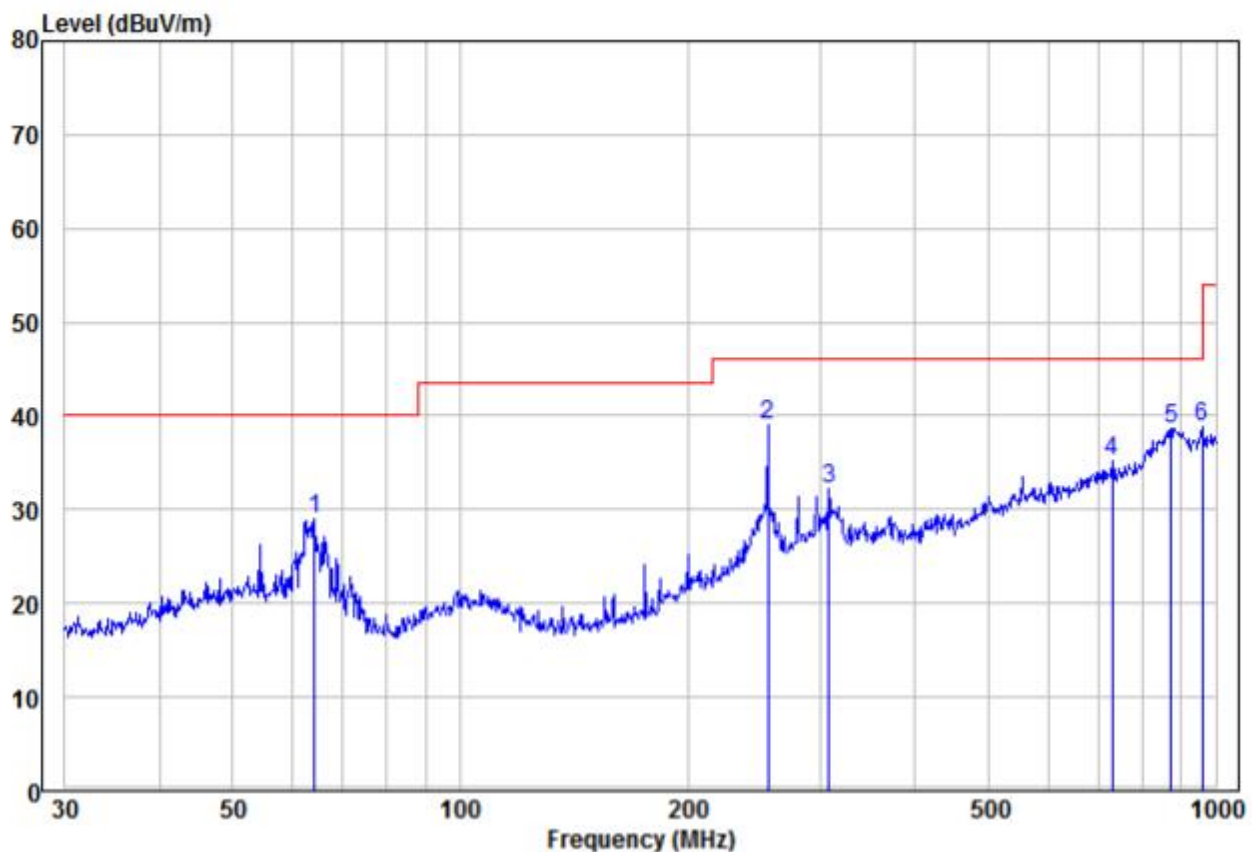
Measurement Data

30MHz~1GHz		
Test mode:	Transmitting	Vertical



	Frequency (MHz)		Read		Limit	Over	Remark	Pol/Phase	APos	TPos
	Freq	Level	Factor	Level	Line	Limit				
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	31.18	21.68	8.31	29.99	40.00	-10.01	Peak	VERTICAL	100	191
2	53.88	17.87	12.77	30.64	40.00	-9.36	Peak	VERTICAL	100	255
3	63.09	21.58	11.32	32.90	40.00	-7.10	Peak	VERTICAL	100	146
4	501.18	14.26	20.94	35.20	46.00	-10.80	Peak	VERTICAL	100	228
5	731.92	11.98	24.10	36.08	46.00	-9.92	Peak	VERTICAL	100	140
6 pp	854.02	10.70	28.53	39.23	46.00	-6.77	Peak	VERTICAL	100	221

Test mode:	Transmitting	Horizontal
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	Read			Limit	Over			APos	TPos
Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	64.21	18.01	11.05	29.06	40.00	-10.94 Peak	HORIZONTAL	100	164
2	255.62	23.14	15.85	38.99	46.00	-7.01 Peak	HORIZONTAL	100	229
3	307.83	15.17	17.07	32.24	46.00	-13.76 Peak	HORIZONTAL	100	360
4	729.36	11.17	24.07	35.24	46.00	-10.76 Peak	HORIZONTAL	100	20
5	872.18	9.81	28.84	38.65	46.00	-7.35 Peak	HORIZONTAL	100	305
6	958.79	10.89	28.04	38.93	46.00	-7.07 Peak	HORIZONTAL	100	227

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)
5730	98.24	-2.74	95.50	114	-18.50	peak	H	1.5	47
5730	94.61	-2.74	91.87	94	-2.13	AVG	H	1.5	193
11460	96.90	-2.74	94.16	114	-19.84	peak	H	1.5	130
11460	92.56	-2.74	89.82	94	-4.18	AVG	H	1.5	217
17190	49.29	6.84	56.13	74	-17.87	peak	H	1.5	299
17190	39.32	6.84	46.16	54	-7.84	AVG	H	1.5	75
22920	41.69	13.02	54.71	74	-19.29	peak	H	1.5	182
22920	31.06	13.02	44.08	54	-9.92	AVG	H	1.5	333
5730	95.58	-2.74	92.84	114	-21.16	peak	V	1.5	197
5730	93.21	-2.74	90.47	94	-3.53	AVG	V	1.5	281
11460	95.93	-2.74	93.19	114	-20.81	peak	V	1.5	126
11460	91.84	-2.74	89.10	94	-4.90	AVG	V	1.5	315
17190	49.48	6.84	56.32	74	-17.68	peak	V	1.5	309
17190	38.49	6.84	45.33	54	-8.67	AVG	V	1.5	223
22920	41.57	13.02	54.59	74	-19.41	peak	V	1.5	93
22920	29.34	13.02	42.36	54	-11.64	AVG	V	1.5	165

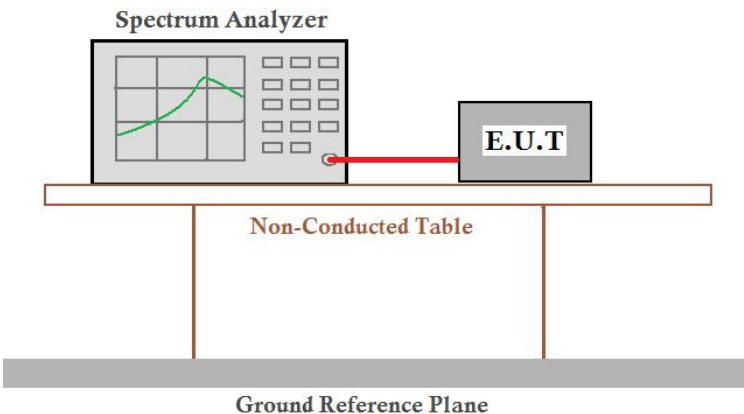
Above 1GHz									
Test mode:			Transmitting		Test channel:		Middle		
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
5790	98.65	-2.74	95.91	114	-18.09	peak	H	1.5	134
5790	94.00	-2.74	91.26	94	-2.74	AVG	H	1.5	136
11580	96.51	-2.74	93.77	114	-20.23	peak	H	1.5	242
11580	92.89	-2.74	90.15	94	-3.85	AVG	H	1.5	161
17370	49.59	6.84	56.43	74	-17.57	peak	H	1.5	239
17370	39.31	6.84	46.15	54	-7.85	AVG	H	1.5	70
22160	42.08	13.02	55.10	74	-18.90	peak	H	1.5	35
23160	31.46	13.02	44.48	54	-9.52	AVG	H	1.5	139
5790	96.30	-2.74	93.56	114	-20.44	peak	V	1.5	263
5790	93.28	-2.74	90.54	94	-3.46	AVG	V	1.5	152
11580	97.14	-2.74	94.40	114	-19.60	peak	V	1.5	333
11580	92.42	-2.74	89.68	94	-4.32	AVG	V	1.5	262
17370	48.34	6.84	55.18	74	-18.82	peak	V	1.5	160
17370	37.85	6.84	44.69	54	-9.31	AVG	V	1.5	324
22160	41.65	13.02	54.67	74	-19.33	peak	V	1.5	168
23160	29.90	13.02	42.92	54	-11.08	AVG	V	1.5	46

Above 1GHz									
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)
5848	97.42	-2.74	94.68	114	-19.32	peak	H	1.5	341
5848	95.33	-2.74	92.59	94	-1.41	AVG	H	1.5	130
11696	98.50	-2.74	95.76	114	-18.24	peak	H	1.5	94
11696	94.71	-2.74	91.97	94	-2.03	AVG	H	1.5	352
17544	48.97	6.84	55.81	74	-18.19	peak	H	1.5	131
17544	39.33	6.84	46.17	54	-7.83	AVG	H	1.5	100
23392	41.33	13.02	54.35	74	-19.65	peak	H	1.5	292
23392	32.52	13.02	45.54	54	-8.46	AVG	H	1.5	131
5848	94.64	-2.74	91.90	114	-22.10	peak	V	1.5	63
5848	92.35	-2.74	89.61	94	-4.39	AVG	V	1.5	60
11696	94.44	-2.74	91.70	114	-22.30	peak	V	1.5	72
11696	91.78	-2.74	89.04	94	-4.96	AVG	V	1.5	47
17544	48.45	6.84	55.29	74	-18.71	peak	V	1.5	18
17544	37.40	6.84	44.24	54	-9.76	AVG	V	1.5	30
23392	41.30	13.02	54.32	74	-19.68	peak	V	1.5	336
23392	30.27	13.02	43.29	54	-10.71	AVG	V	1.5	86

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

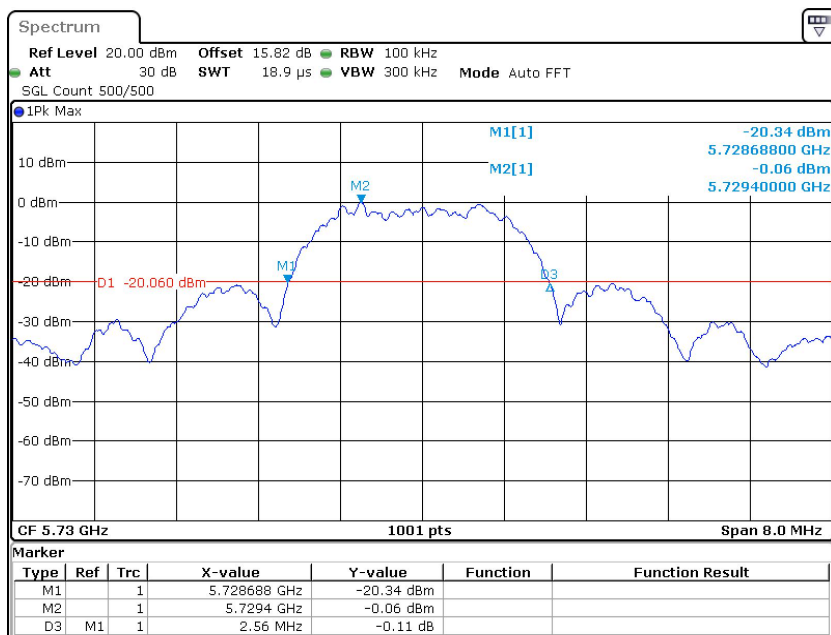
Test Requirement:	47 CFR Part 15C Section 15.215
Test Method:	ANSI C63.10:2020
Test Setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Mode:	Transmitting with OFDM modulation.
Limit:	N/A
Test Results:	Pass

Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	2.56	Pass
Middle	2.56	Pass
Highest	0.59	Pass

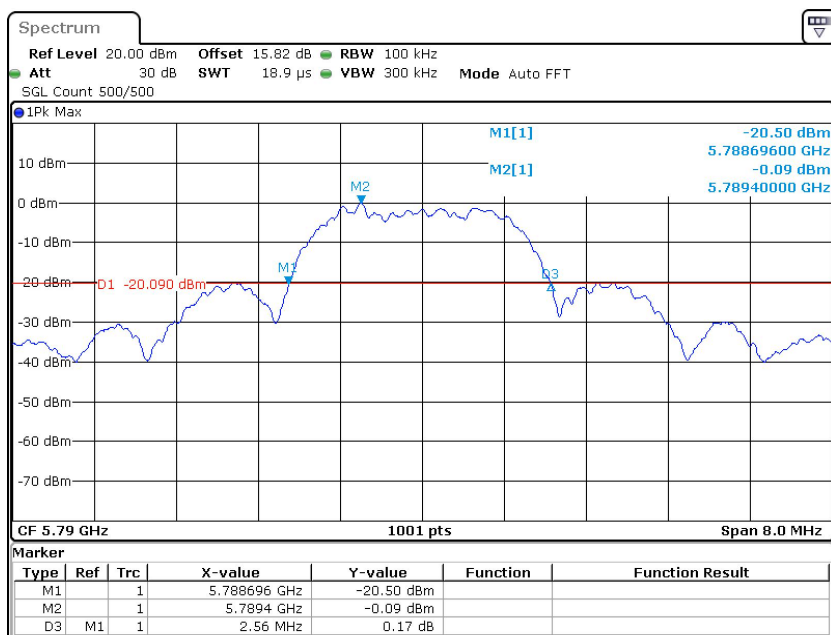
Test plot as follows:

Test channel: Lowest



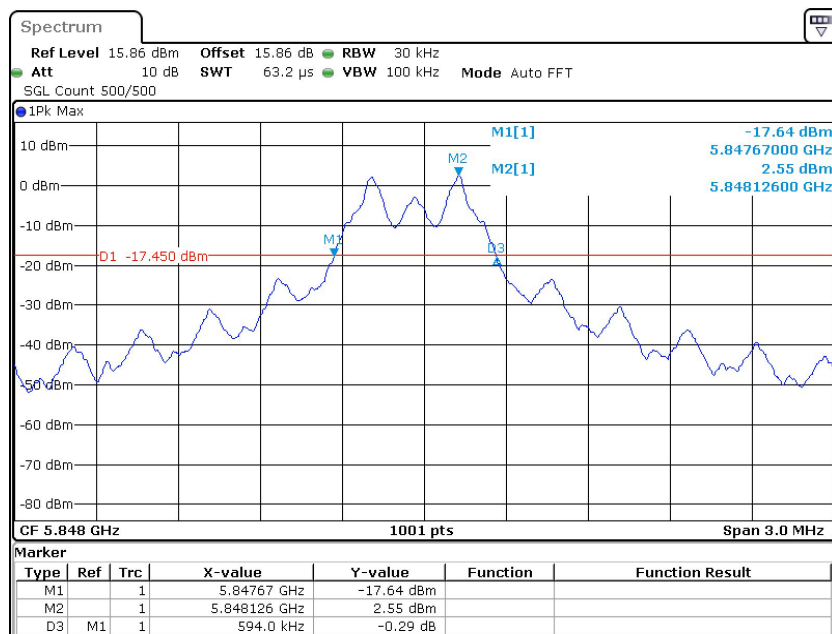
Date: 17.MAR.2026 19:28:52

Test channel: Middle



Date: 17.MAR.2026 19:30:06

Test channel: Highest

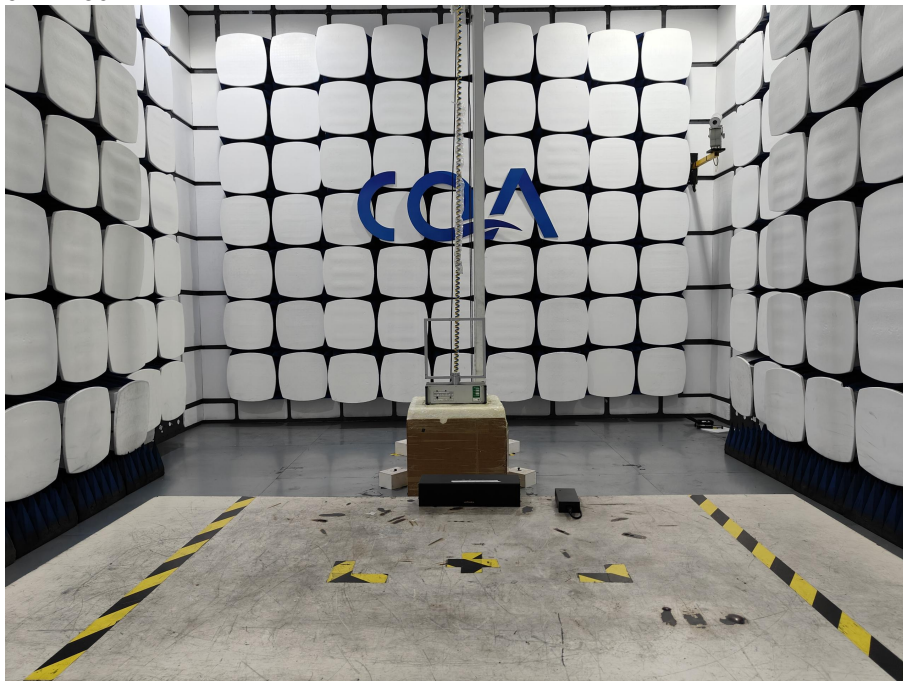


Date: 17.MAR.2026 19:30:29

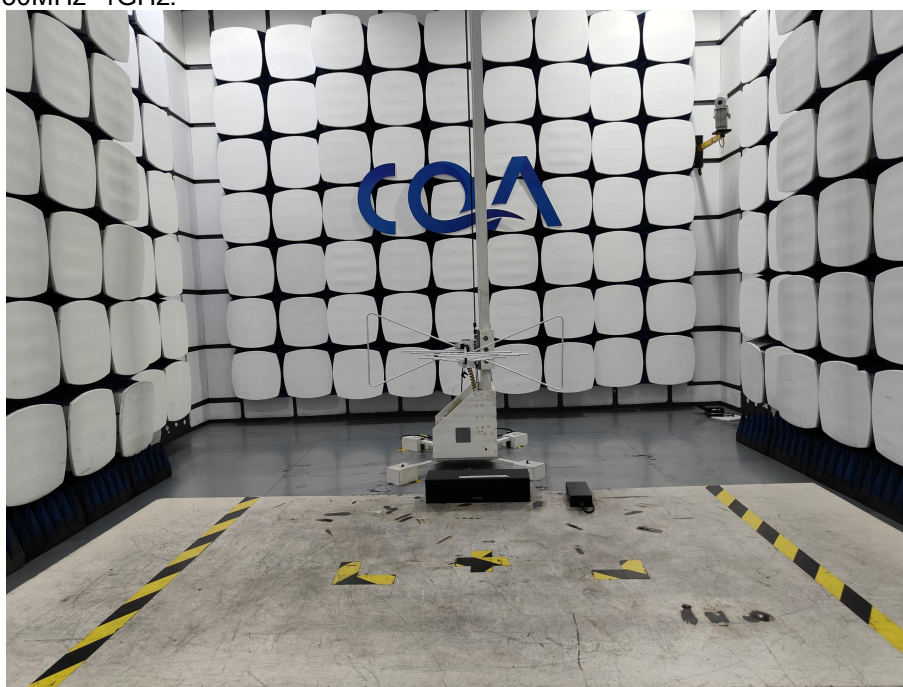
6 Photographs

6.1 Radiated Emission Test Setup

9kHz~30MHz



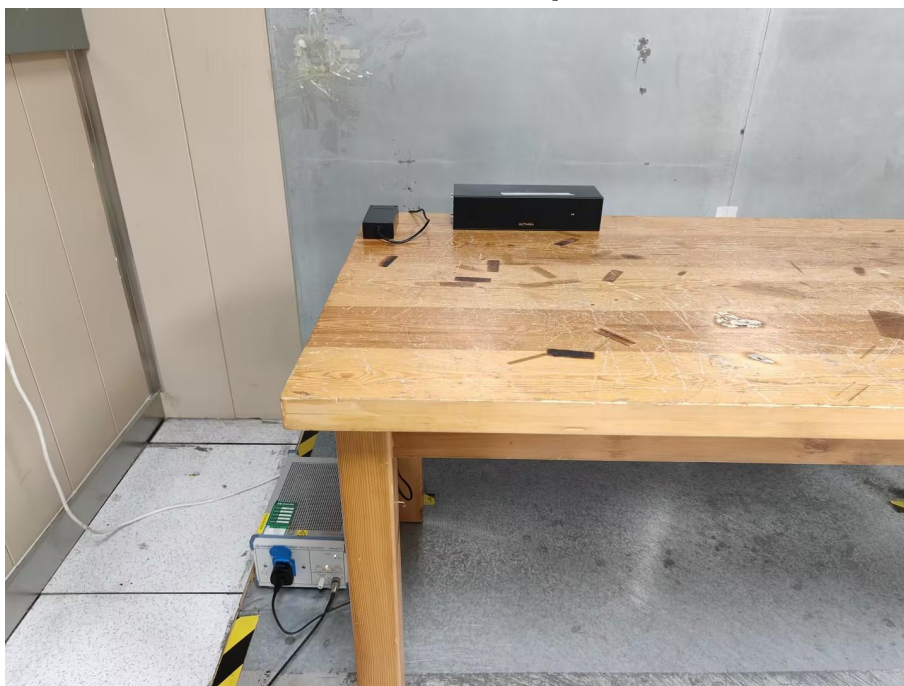
30MHz~1GHz:



Above 1GHz:



6.2 Conducted Emission Test Setup



6.3 EUT Constructional Details

Refer to PHOTOGRAPHS OF EUT for CQASZ20260100288E-01.

***** END OF REPORT *****