

TEST REPORT

Applicant Name: ASAP Technology(Jiangxi) Co., Ltd.
Address: Ji'an Industrial Park Ji'an, Jiangxi China 343100
Report Number: 2504A92216E-RF-00A
FCC ID: 2APXNLACC180

Test Standard (s)

FCC PART 15C

Sample Description

Product Name: Aircharge Wireless Charging Pad
Model No.: AIR43419
Trade Mark: Aircharge
Date Received: 2025-12-22
Report Date: 2026-02-11

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

Amanda Wei

Amanda Wei
EMC Engineer

Approved By:

Bob. Liao

Bob.Liao
EMC Engineer

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504A92216E-RF-00A	Original Report	2026-02-11

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	Aircharge Wireless Charging Pad
Tested Model	AIR43419
Frequency Range	115-205kHz
Modulation Technique [#]	ASK
Antenna Type	Coil
Maximum E-field Strength	77.58 dBuV/m@3m
Input Voltage [#]	DC 5V from Type-C port
Wireless Output Power [#]	5 Watts
Sample Serial Number	3ESB-1 (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition
Manufacture	Name: CMS Industries Ltd Address: Downsview House Grove Technology Park Wantage, Oxfordshire OX12 9FA United Kingdom

Objective

This test report is in accordance with Part 2, Subpart J, and Part 15, Subparts A and C of the Federal Communications Commission’s rules.

The objective is to determine the compliance of EUT with FCC rules, section 15.203, 15.205, 15.207and 15.209.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliant Testing of Unlicensed Wireless Devices.

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		5 %
AC Power Lines Conducted Emissions		2.7 dB
Emissions, Radiated	9kHz - 30MHz	2.1 dB
	30MHz - 1GHz	4.3 dB
Temperature		1 °C
Humidity		7 %
Supply voltages		0.4 %

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing by manufacturer.

The EUT was tested under full load. Keep the EUT in continuous transmitting with modulation.

Operating frequency: 115kHz - 205kHz

Special Accessories and Equipment Modifications

No special accessories or modifications were used on the device under test (EUT) during the test.

Support Equipment List and Details

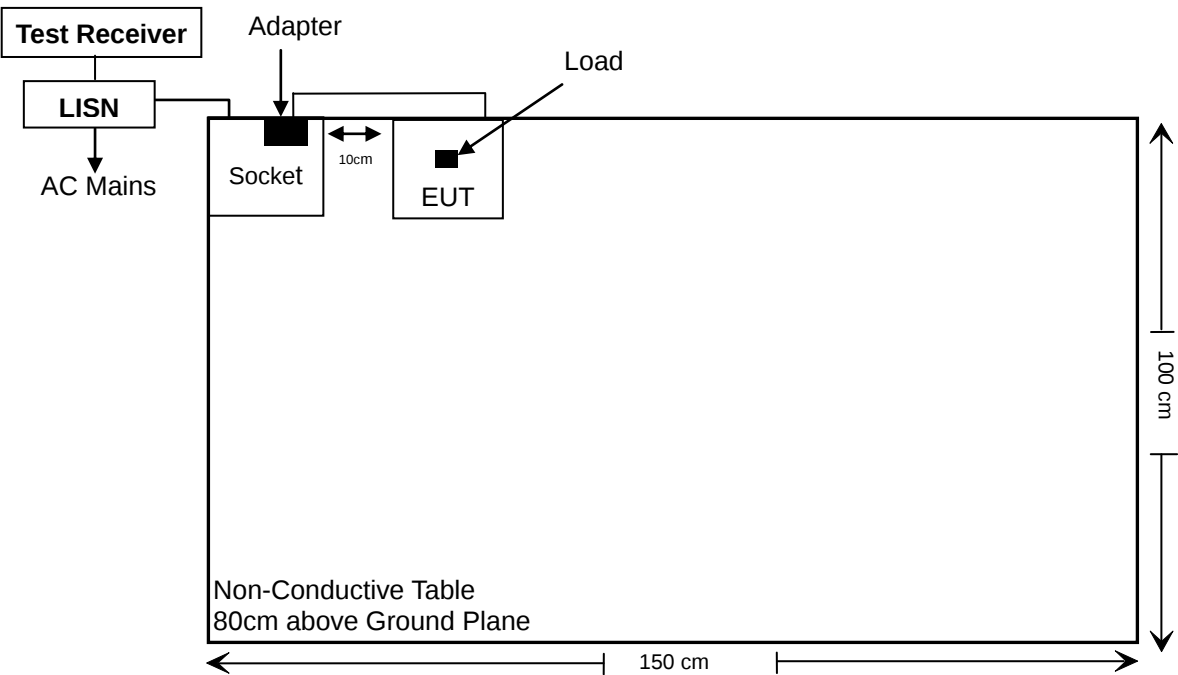
Manufacturer	Description	Model	Serial Number
Unknown	Load	Unknown	Unknown
Unknown	Adapter	Unknown	Unknown

External I/O Cable

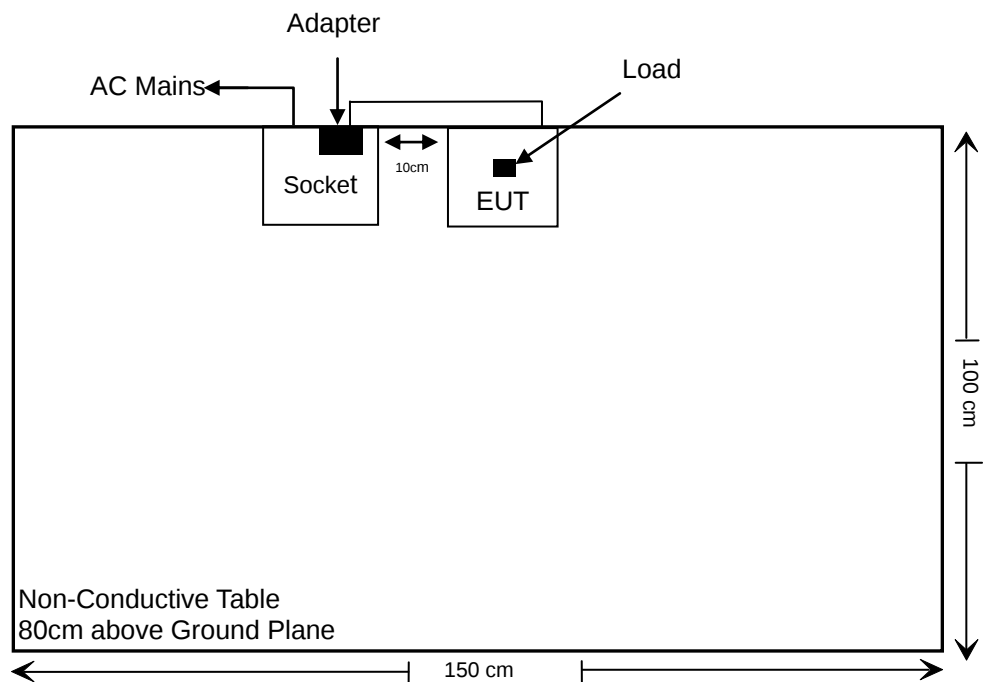
Cable Description	Shielding Type	Length (m)	From Port	To
USB Cable	NO	1.05	EUT	Adapter

Block Diagram of Test Setup

For Conducted Emission:



For Radiated Emission:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.207(a)	AC Line Conducted Emission	Compliance
§15.209, §15.205	Radiated Emission Test	Compliance
§15.215(c)	20dB Emission Bandwidth	Compliance

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emissions Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	100784	2025/09/17	2026/09/16
Rohde & Schwarz	L.I.S.N.	ENV216	101314	2025/09/17	2026/09/16
Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2025/09/18	2026/09/17
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	100312	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.17	N0350	2025/05/30	2026/05/29
Test Software: e3 191218 (V9)					
Radiated Spurious Emission Test (Below 1GHz)/20dB Emission Bandwidth					
Rohde & Schwarz	Test Receiver	ESR	102725	2025/09/18	2026/09/17
SONOMA INSTRUMENT	Amplifier	310N	186131	2025/03/26	2026/03/25
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2024/08/08	2027/08/07
Unknown	RF Coaxial Cable	No.12	N040	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.13	N300	2025/05/30	2026/05/29
Unknown	RF Coaxial Cable	No.14	N800	2025/05/30	2026/05/29
BACL	LOOP ANTENNA	1313-1A	3110711	2024/01/16	2027/01/15
Test Software: e3 191218 (V9)					

* **Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, 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 shall be considered sufficient to comply with the provisions of this Section.

Antenna Connector Construction

The EUT has one coil antenna arrangement which was permanently attached, fulfill the requirement of this section. Please refer to the EUT photos.

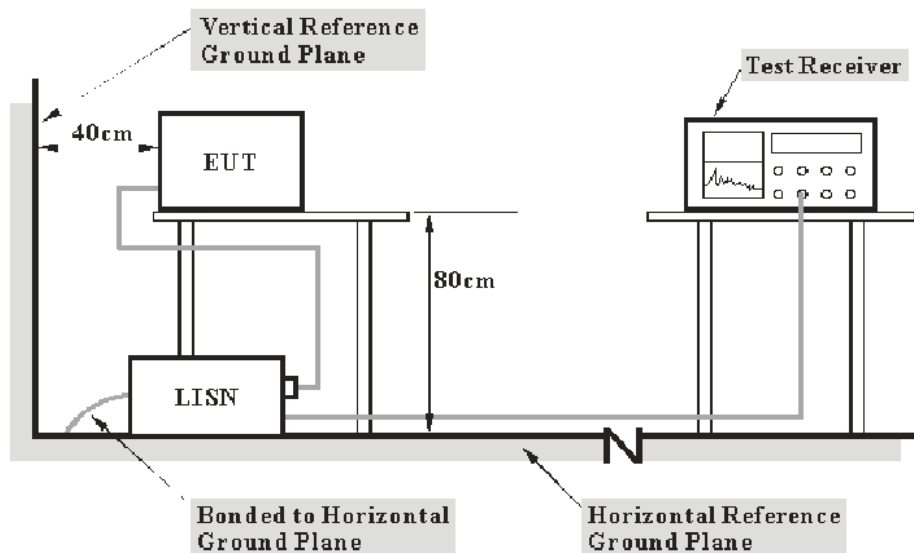
Result: Compliance.

AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The measurement procedure of EUT setup is according with ANSI C63.10-2020. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All final data was recorded in the Quasi-peak and average detection mode.

Calculation

The factor is calculated by adding LISN VDF (Voltage Division Factor) and Cable Loss. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + 10dB Attenuation(Limiter)

The “**Over limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for calculation is as follows:

Over Limit = Level - Limit

Level = Read Level + Factor

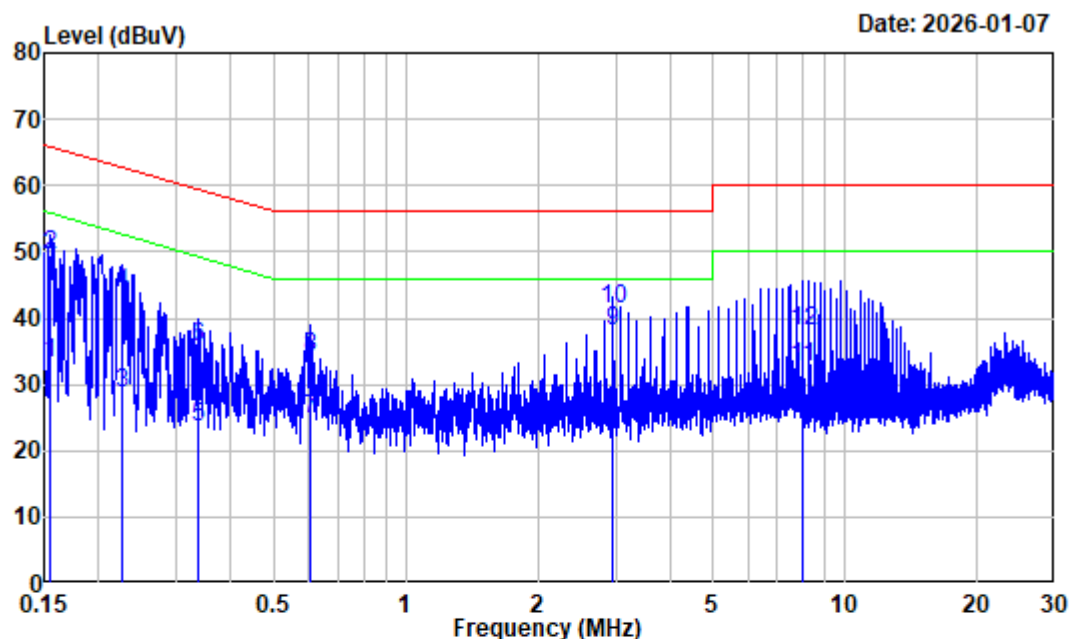
Test Data

Environmental Conditions

Temperature:	21 °C
Relative Humidity:	32 %
ATM Pressure:	101.8 kPa
Test Engineer:	Serein Wen
Test Date:	2026-01-07
EUT Operation Mode:	Transmitting

Test Result: Compliance, please refer to the below data.

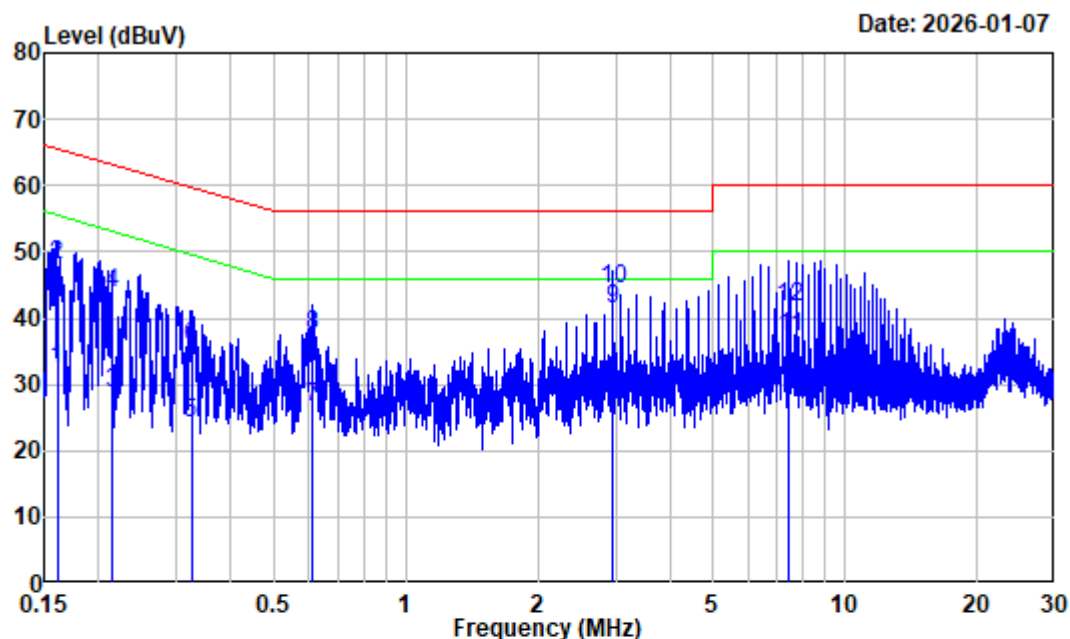
AC 120V/60Hz, Line:



Site : Shielding Room
 Condition : Line
 Job No. : 2504A92216E-RF
 Test Mode : Transmitting
 Tester : Serein Wen
 Receiver Setting: IF B/W 9kHz PK/AV

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.155	19.95	13.36	33.31	55.71	-22.40	Average
2	0.155	19.95	29.52	49.47	65.71	-16.24	QP
3	0.225	19.97	8.83	28.80	52.63	-23.83	Average
4	0.225	19.97	23.83	43.80	62.63	-18.83	QP
5	0.336	20.02	3.55	23.57	49.29	-25.72	Average
6	0.336	20.02	15.63	35.65	59.29	-23.64	QP
7	0.607	20.16	4.60	24.76	46.00	-21.24	Average
8	0.607	20.16	13.89	34.05	56.00	-21.95	QP
9	2.960	21.07	17.11	38.18	46.00	-7.82	Average
10	2.960	21.07	20.23	41.30	56.00	-14.70	QP
11	7.983	22.31	10.37	32.68	50.00	-17.32	Average
12	7.983	22.31	15.80	38.11	60.00	-21.89	QP

AC 120V/60Hz, Neutral:



Site : Shielding Room
 Condition : Neutral
 Job No. : 2504A92216E-RF
 Test Mode : Transmitting
 Tester : Serein Wen
 Receiver Setting: IF B/W 9kHz PK/AV

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.161	19.83	12.33	32.16	55.43	-23.27	Average
2	0.161	19.83	28.28	48.11	65.43	-17.32	QP
3	0.214	19.92	8.77	28.69	53.05	-24.36	Average
4	0.214	19.92	23.82	43.74	63.05	-19.31	QP
5	0.324	19.94	4.08	24.02	49.59	-25.57	Average
6	0.324	19.94	15.73	35.67	59.59	-23.92	QP
7	0.614	20.06	6.59	26.65	46.00	-19.35	Average
8	0.614	20.06	17.42	37.48	56.00	-18.52	QP
9	2.960	21.17	20.21	41.38	46.00	-4.62	Average
10	2.960	21.17	23.30	44.47	56.00	-11.53	QP
11	7.466	22.34	14.71	37.05	50.00	-12.95	Average
12	7.466	22.34	19.37	41.71	60.00	-18.29	QP

RADIATED EMISSIONS

Applicable Standard

FCC §15.205, §15.209,

According to FCC §15.209,

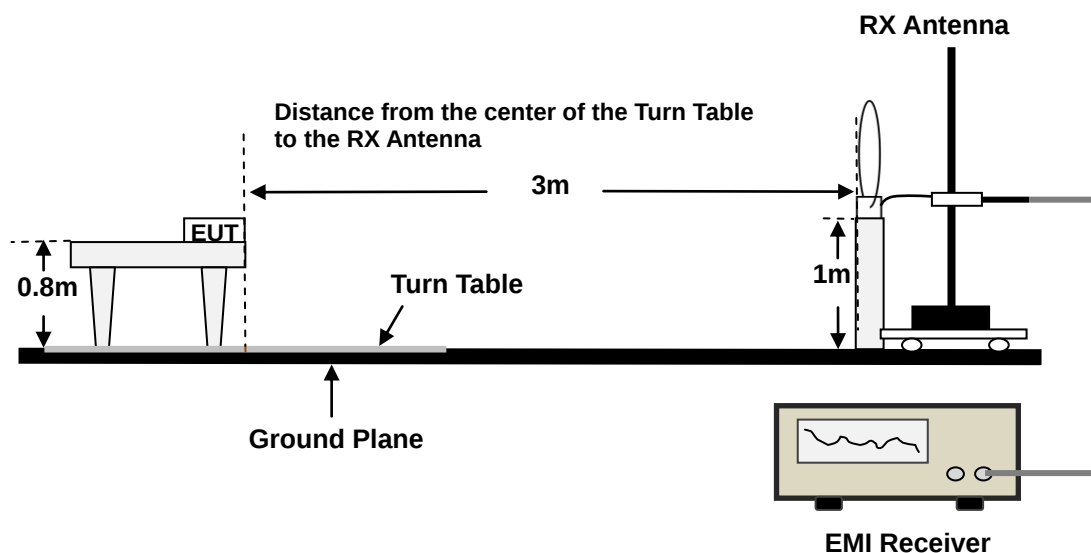
(a) Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

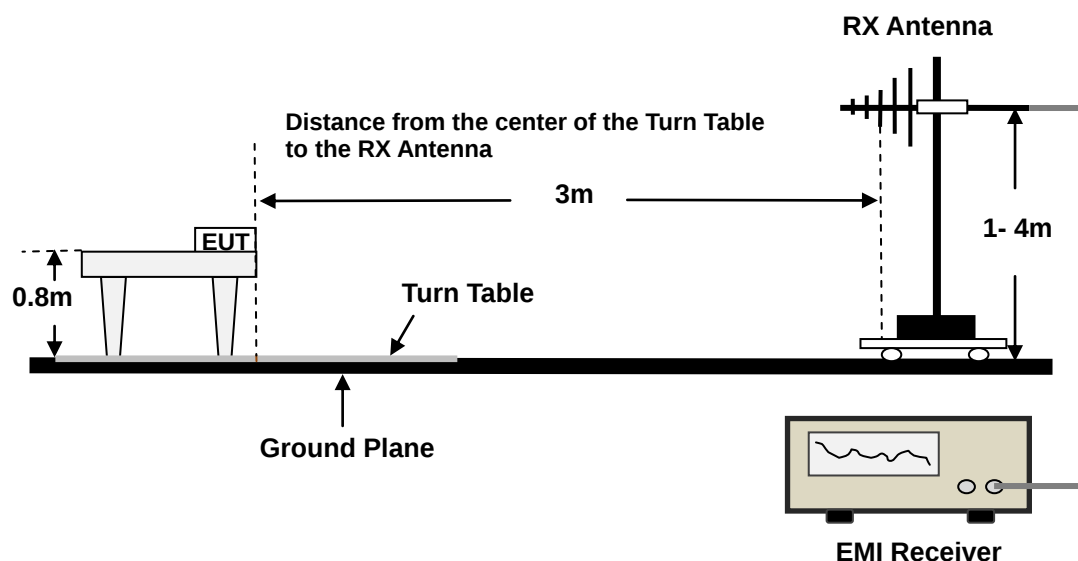
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	$2400/F(\text{kHz})$	300
0.490-1.705	$24000/F(\text{kHz})$	30
1.705-30.0	30	30
30-88	100**	3
88-216	150**	3
216-960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

EUT Setup

9kHz - 30MHz:



30MHz - 1GHz:

Boundary of the EUT, local AE and associated cabling and measurement distance for radiated emissions measurements:

EMI Test Receiver

The system was investigated from 9 kHz to 1 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

9kHz – 1GHz:

Measurement	Frequency Range	RBW	Video B/W	IF B/W
PK	9 kHz - 150 kHz	1 kHz	3kHz	/
QP		/	/	200 Hz
PK	150 kHz - 30 MHz	9 kHz	30 kHz	/
QP		/	/	600Hz
PK	30 MHz - 1000 MHz	100 kHz	300 kHz	/
QP		/	/	120kHz

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform QP/Average measurement.

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Calculation

For 9kHz-30MHz test, test distance is 3m, extrapolation limit shall be calculated using Equation:

$$E_{\text{limit-measure}} = E_{\text{limit-Standard}} + 40 \times \log_{10}(d_{\text{standard}} / d_{\text{measure}})$$

The Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain. The basic equation is as follows:

$$\text{Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Over Limit/Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit/margin of -7dB means the emission is 7dB below the limit. The equation for calculation is as follows:

$$\begin{aligned} \text{Over Limit/Margin} &= \text{Level / Corrected Amplitude} - \text{Limit} \\ \text{Level / Corrected Amplitude} &= \text{Read Level} + \text{Factor} \end{aligned}$$

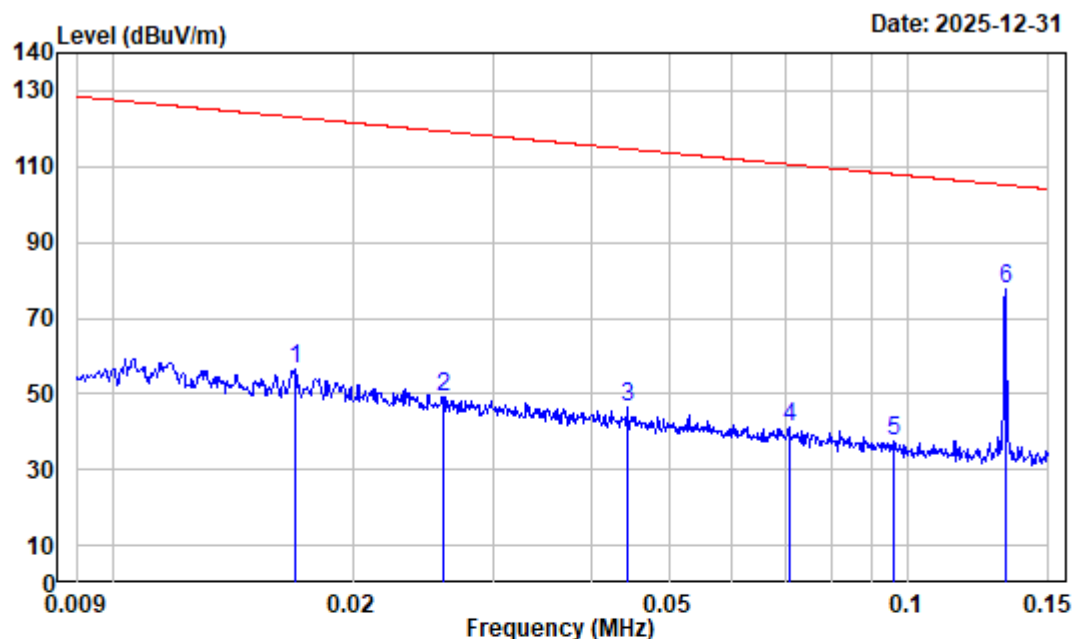
Test Data

Environmental Conditions

Temperature:	21.2 °C
Relative Humidity:	59 %
ATM Pressure:	100.9 kPa
Test Engineer:	Jayden Luo
Test Date:	2025-12-31
EUT Operation Mode:	Transmitting

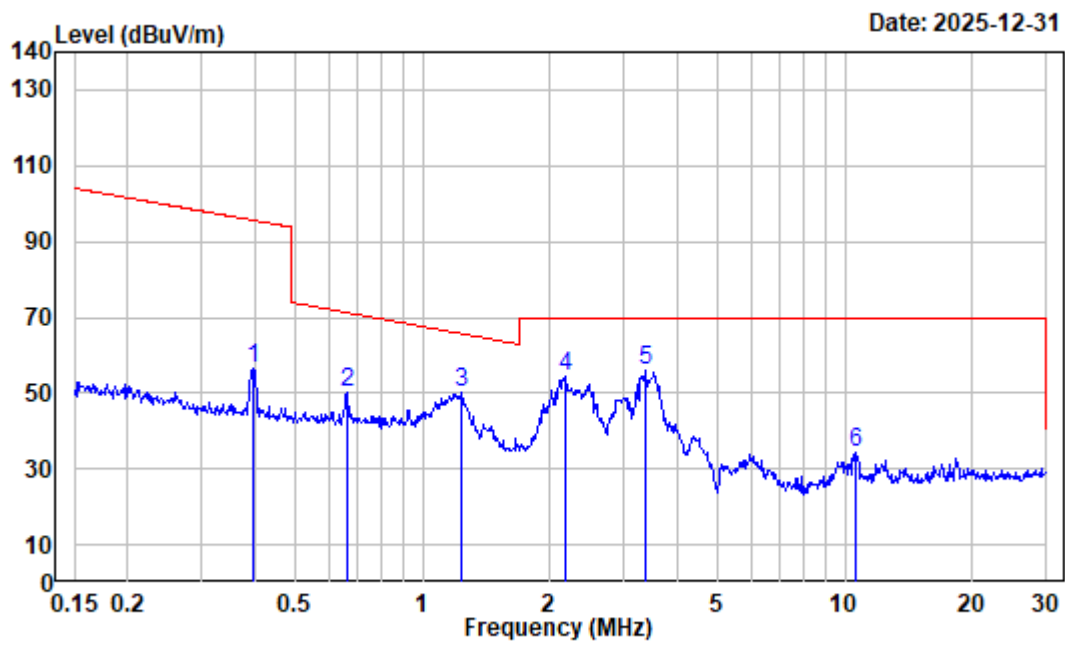
Test Result: Compliance, please refer to the below data.

9kHz~30MHz:



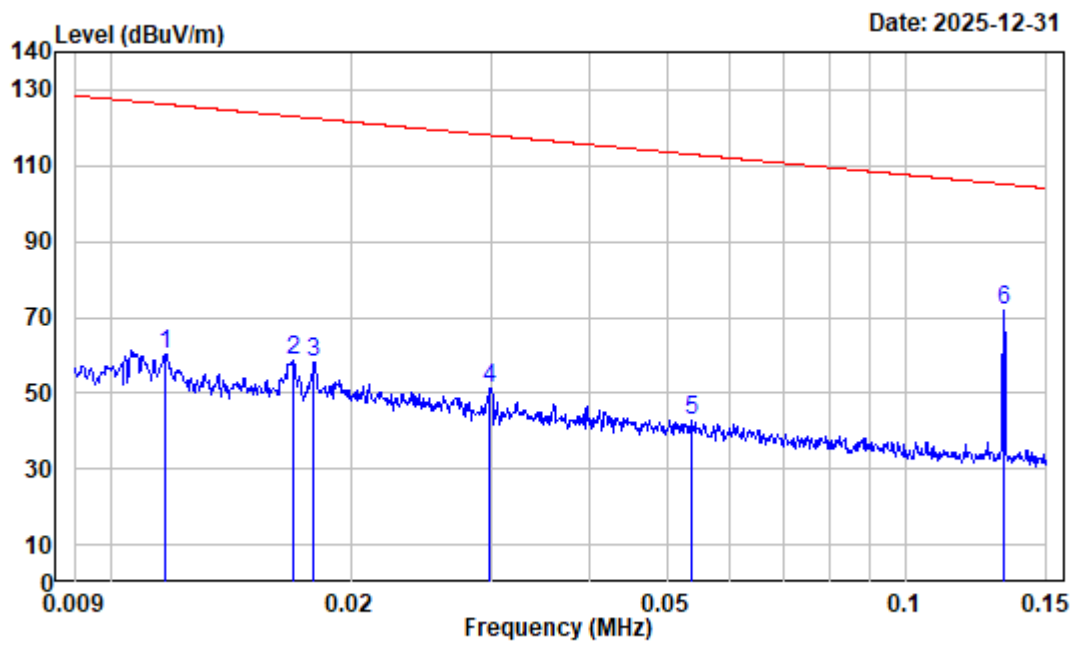
Site : chamber
 Condition : 3m
 Job No. : 2504A92216E-RF
 Polarization : Parallel Tester: Jayden Luo
 Test Mode : Transmitting
 Receiver Setting: RBW:300Hz VBW:1kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.017	32.75	23.74	56.49	123.02	-66.53	Peak
2	0.026	28.70	20.62	49.32	119.28	-69.96	Peak
3	0.044	24.00	22.41	46.41	114.69	-68.28	Peak
4	0.071	19.84	21.14	40.98	110.61	-69.63	Peak
5	0.096	16.90	20.77	37.67	107.99	-70.32	Peak
6	0.133	14.96	62.62	77.58	105.16	-27.58	Peak



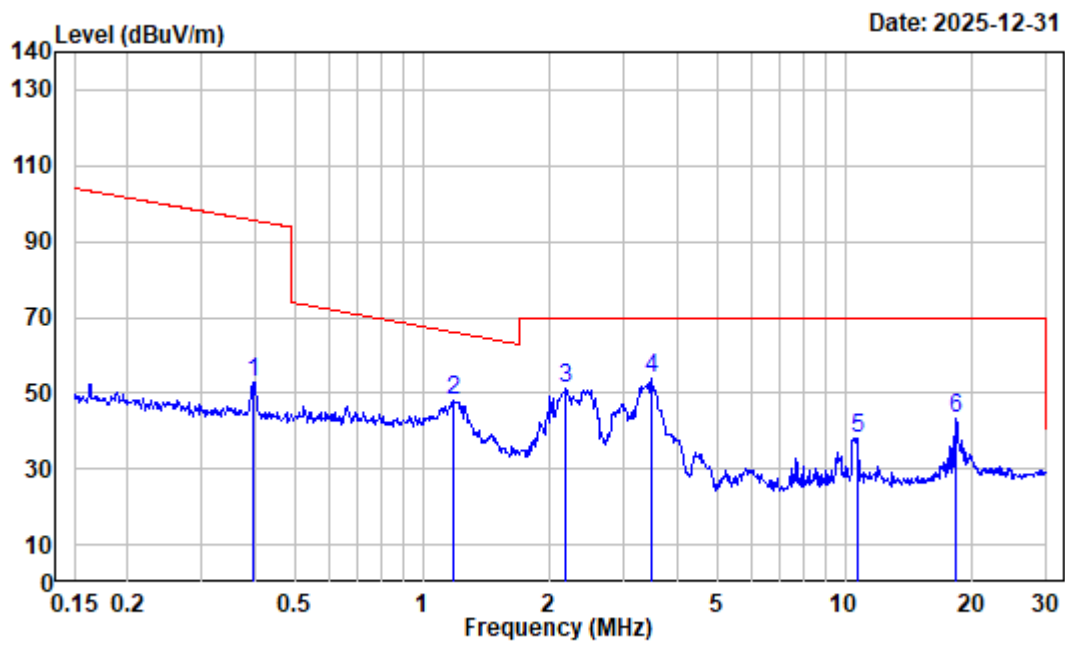
Site : chamber
Condition : 3m
Job No. : 2504A92216E-RF
Polarization : Parallel Tester: Jayden Luo
Test Mode : Transmitting
Receiver Setting: RBW:10kHz VBW:30kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.396	5.37	50.91	56.28	95.66	-39.38	Peak
2	0.661	1.38	48.56	49.94	71.14	-21.20	Peak
3	1.242	-2.69	52.84	50.15	65.55	-15.40	Peak
4	2.190	-5.46	59.78	54.32	69.54	-15.22	Peak
5	3.364	-6.00	61.98	55.98	69.54	-13.56	Peak
6	10.620	-5.20	39.48	34.28	69.54	-35.26	Peak



Site : chamber
Condition : 3m
Job No. : 2504A92216E-RF
Polarization : Perpendicular Tester: Jayden Luo
Test Mode : Transmitting
Receiver Setting: RBW:300Hz VBW:1kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.012	35.06	25.41	60.47	126.22	-65.75	Peak
2	0.017	32.75	25.97	58.72	123.02	-64.30	Peak
3	0.018	32.29	25.97	58.26	122.51	-64.25	Peak
4	0.030	26.99	24.29	51.28	118.09	-66.81	Peak
5	0.054	22.28	20.65	42.93	113.00	-70.07	Peak
6	0.133	14.95	56.94	71.89	105.13	-33.24	Peak



Site : chamber

Condition : 3m

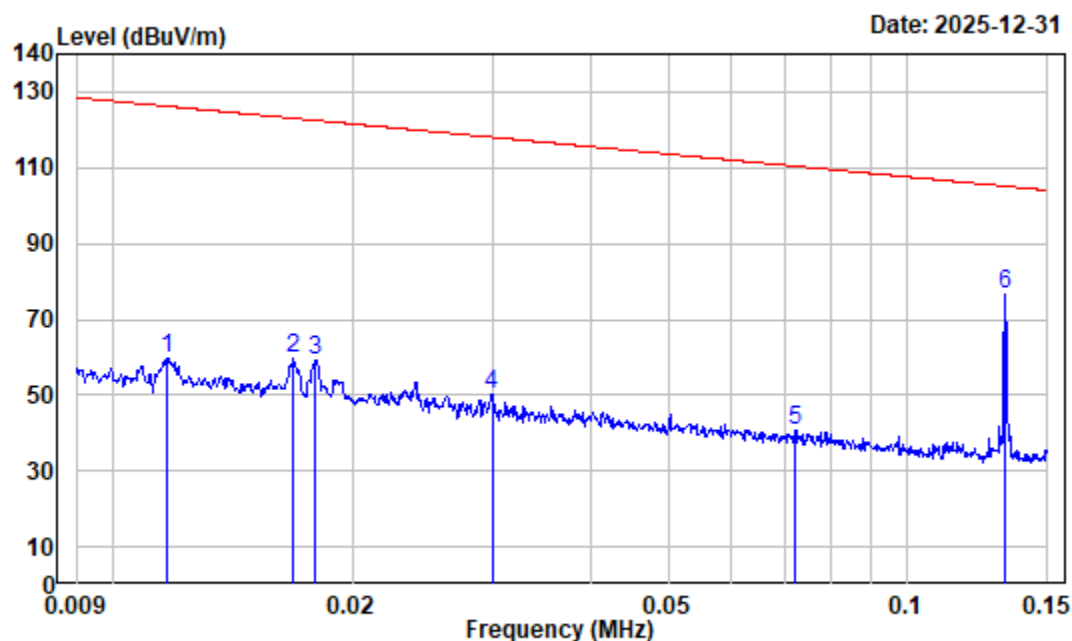
Job No. : 2504A92216E-RF

Polarization : Perpendicular Tester: Jayden Luo

Test Mode : Transmitting

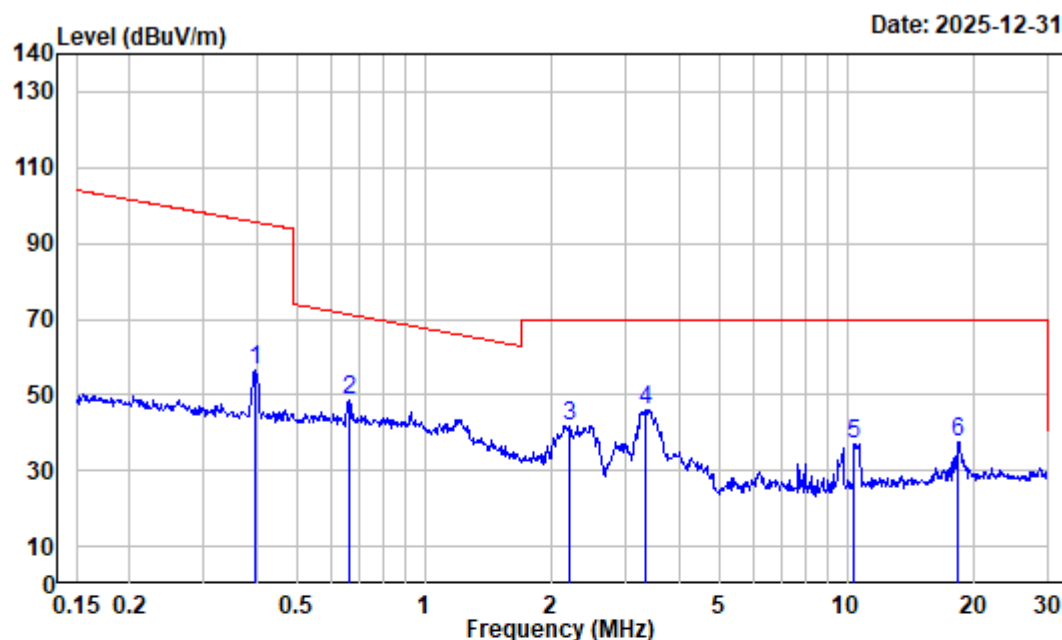
Receiver Setting: RBW:10kHz VBW:30kHz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.398	5.33	47.72	53.05	95.61	-42.56	Peak
2	1.178	-2.46	50.59	48.13	66.02	-17.89	Peak
3	2.190	-5.46	56.83	51.37	69.54	-18.17	Peak
4	3.472	-6.06	60.02	53.96	69.54	-15.58	Peak
5	10.733	-5.17	43.27	38.10	69.54	-31.44	Peak
6	18.328	-3.73	47.00	43.27	69.54	-26.27	Peak



Site : chamber
 Condition : 3m
 Job No. : 2504A92216E-RF
 Polarization : Ground-parallel Tester: Jayden Luo
 Test Mode : Transmitting
 Receiver Setting: RBW:300Hz VBW:1kHz

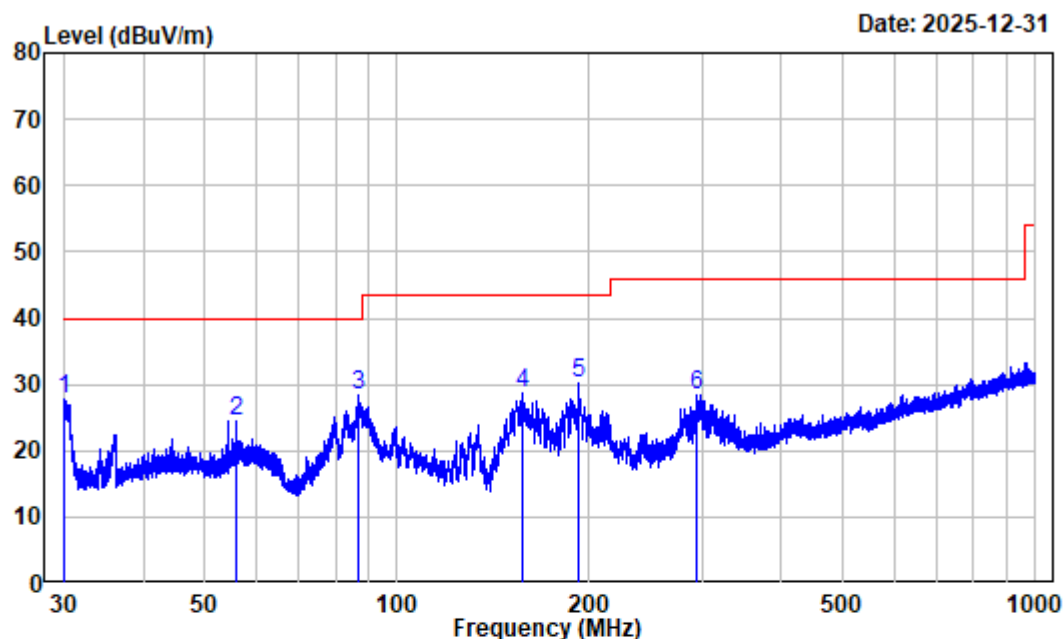
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.012	35.06	24.50	59.56	126.22	-66.66	Peak
2	0.017	32.79	26.76	59.55	123.07	-63.52	Peak
3	0.018	32.29	26.76	59.05	122.51	-63.46	Peak
4	0.030	26.95	23.12	50.07	118.06	-67.99	Peak
5	0.072	19.67	21.22	40.89	110.46	-69.57	Peak
6	0.133	14.95	61.67	76.62	105.13	-28.51	Peak



Site : chamber
Condition : 3m
Job No. : 2504A92216E-RF
Polarization : Ground-parallel Tester: Jayden Luo
Test Mode : Transmitting
Receiver Setting: RBW:10kHz VBW:30kHz

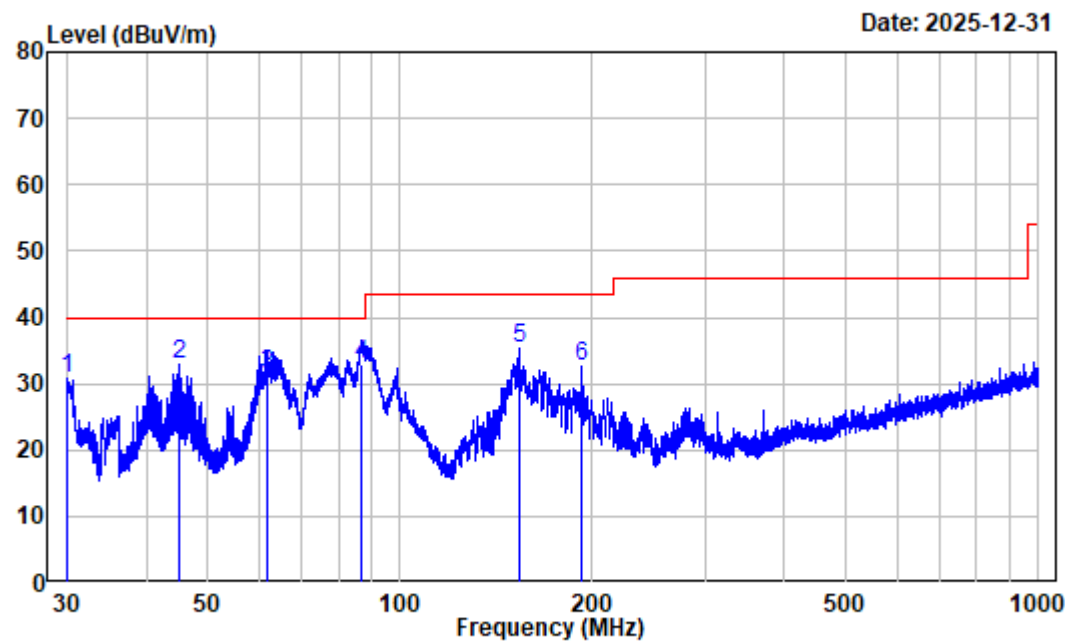
	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.396	5.37	51.29	56.66	95.66	-39.00	Peak
2	0.665	1.34	47.14	48.48	71.09	-22.61	Peak
3	2.213	-5.48	47.27	41.79	69.54	-27.75	Peak
4	3.346	-5.99	52.00	46.01	69.54	-23.53	Peak
5	10.397	-5.25	42.18	36.93	69.54	-32.61	Peak
6	18.328	-3.73	41.35	37.62	69.54	-31.92	Peak

30MHz~1GHz:



Site : chamber
Condition : 3m HORIZONTAL
Job No. : 2504A92216E-RF Tester: Jayden Luo
Test Mode : Transmitting
Receiver Setting: RBW:100kHz VBW:300kHz

	Freq	Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	30.132	-11.80	39.66	27.86	40.00	-12.14	Peak
2	55.780	-10.72	35.28	24.56	40.00	-15.44	Peak
3	86.997	-14.94	43.17	28.23	40.00	-11.77	Peak
4	157.283	-14.30	43.02	28.72	43.50	-14.78	Peak
5	191.997	-10.17	40.50	30.33	43.50	-13.17	Peak
6	295.018	-8.88	37.29	28.41	46.00	-17.59	Peak



Site : chamber
Condition : 3m VERTICAL
Job No. : 2504A92216E-RF Tester: Jayden Luo
Test Mode : Transmitting
Receiver Setting: RBW:100kHz VBW:300kHz

	Freq Factor		Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	Line	Limit	
1	30.000	-11.77	42.62	30.85	40.00	-9.15	Peak
2	44.920	-9.79	42.85	33.06	40.00	-6.94	Peak
3	61.984	-11.14	42.60	31.46	40.00	-8.54	QP
4	86.959	-14.96	47.90	32.94	40.00	-7.06	QP
5	153.739	-14.56	49.86	35.30	43.50	-8.20	Peak
6	192.082	-10.15	42.81	32.66	43.50	-10.84	Peak

20dB EMISSION BANDWIDTH

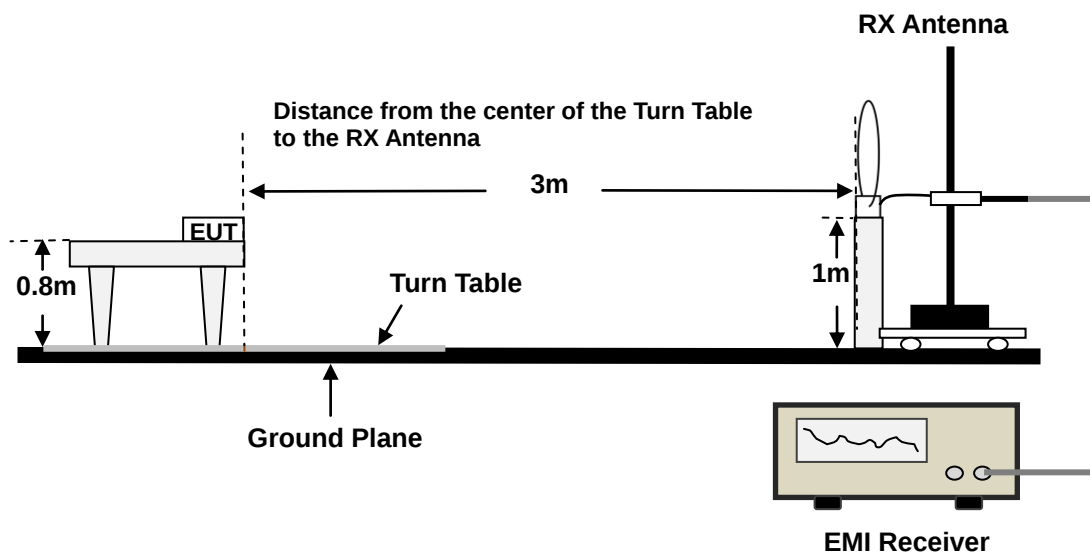
Applicable Standard

According to FCC §15.215(c),

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test Procedure

The EUT is setting to the transmit mode, the waveform was received by the test antenna which was connected to the spectrum analyzer, plot the 20 dB bandwidth.



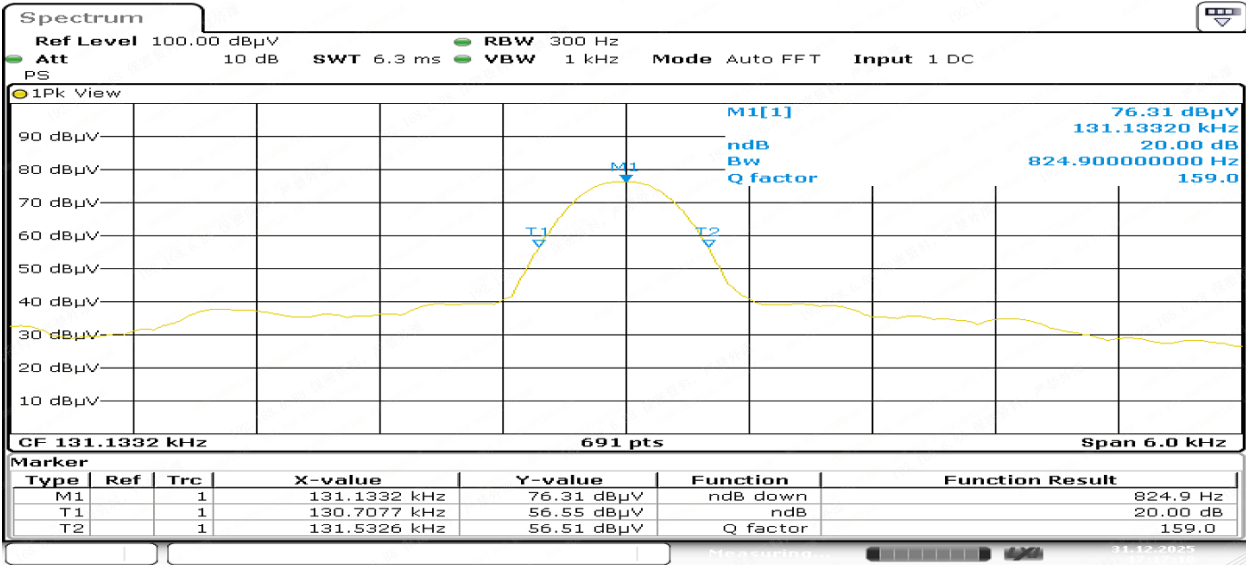
Test Data

Environmental Conditions

Temperature:	21.2 °C
Relative Humidity:	59 %
ATM Pressure:	100.9 kPa
Test Engineer:	Jayden Luo
Test Date:	2025-12-31
EUT Operation Mode:	Transmitting

Test Result: Compliance, please refer to the below data.

Test Frequency(kHz)	20dB Bandwidth(Hz)
131	824.9



ProjectNo.:2504A92216E-RF Tester:Jayden Luo
Date: 31.DEC.2025 17:17:10

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504A92216E-RF EUT External Photos and Attachment No.2 2504A92216E-RF EUT Internal Photos.

EXHIBIT B-TEST SETUP PHOTOGRAPHS

Please refer to the Attachment No.3 2504A92216E-RF-00A Test Photos.

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