

## TEST REPORT

**Applicant:** Xiamen Joint Tech. Co., Ltd

**Address:** Building #1, No. 268 HouXiang Rd, Xinyang Industrial Park,  
Haicang District, XIAMEN Fujian, China

**Product Name:** Electric Vehicle AC Charger

**FCC ID:** 2A2RN-ACEVM003

**Standard(s):** 47 CFR Part 15, Subpart C(15.225)  
ANSI C63.10-2020

**Report Number:** 2502S26753E-RF-00A

**Report Date:** 2025/6/9

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

*Pedro Yun*

*Gavin Xu*

**Reviewed By:** Pedro Yun

**Approved By:** Gavin Xu

Title: Project Engineer

Title: RF Supervisor

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502S26753E-RF-00A	Original Report	2025/6/9

## 1. GENERAL INFORMATION

### 1.1 General Description of Equipment under Test

<b>EUT Name:</b>	Electric Vehicle AC Charger
<b>EUT Model:</b>	JNT-EVM003/48AC/01C/BK/RF/WF/4G
<b>Operation Frequency:</b>	13.56 MHz
<b>Modulation Type:</b>	ASK
<b>Rated Input Voltage:</b>	AC 208-240V
<b>Serial Number:</b>	329D-1
<b>EUT Received Date:</b>	2025/5/6
<b>EUT Received Status:</b>	Good

### 1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

### 1.3 Antenna Information Detail ▲

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Xiamen Joint Tech. Co., Ltd	Loop	Unknown	13.56MHz	Unknown
<b>The design of compliance with §15.203:</b>				
<input checked="" type="checkbox"/> Unit uses a permanently attached antenna.				
<input type="checkbox"/> Unit uses a unique coupling to the intentional radiator.				
<input type="checkbox"/> Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.				

### 1.4 Equipment Modifications

No modifications are made to the EUT during all test items.

## 2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
FCC§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.225 §15.209 §15.205	Radiated Spurious Emissions	Compliant
§15.225(e)	Frequency Stability	Compliant
§15.215(c)	20 dB Bandwidth	Compliant
FCC§15.203	Antenna Requirement	Compliant
§1.1310, §2.1091	RF Exposure Evaluation	Compliant

### 3. DESCRIPTION OF TEST CONFIGURATION

#### 3.1 EUT Operation Condition

The system was configured for testing in Engineering Mode, which was provided by the manufacturer. Test performed with the typical card and without Card, the worst was reported.

The EUT was connected to the AC Mains with L1/L2 240V/60Hz system.

#### 3.2 EUT Exercise Software

No software was used in test. The EUT transmit when EUT was power up.

#### 3.3 Support Equipment List and Details

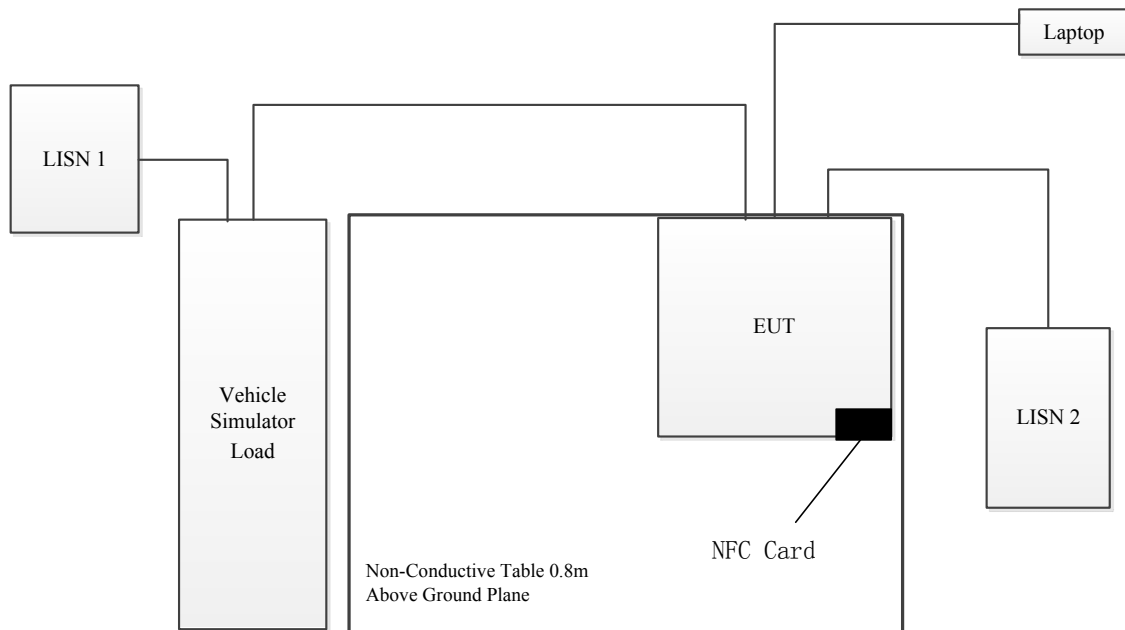
Manufacturer	Description	Model	Serial Number
GuangLuDa	Load	GROADA-AC380V-32A-R	GROADA-FZX24051701
ZIONCOM	Router	MB-R210-00	EMZBWR21103002
Unknown	NFC Card	Unknown	Unknown

#### 3.4 Support Cable List and Details

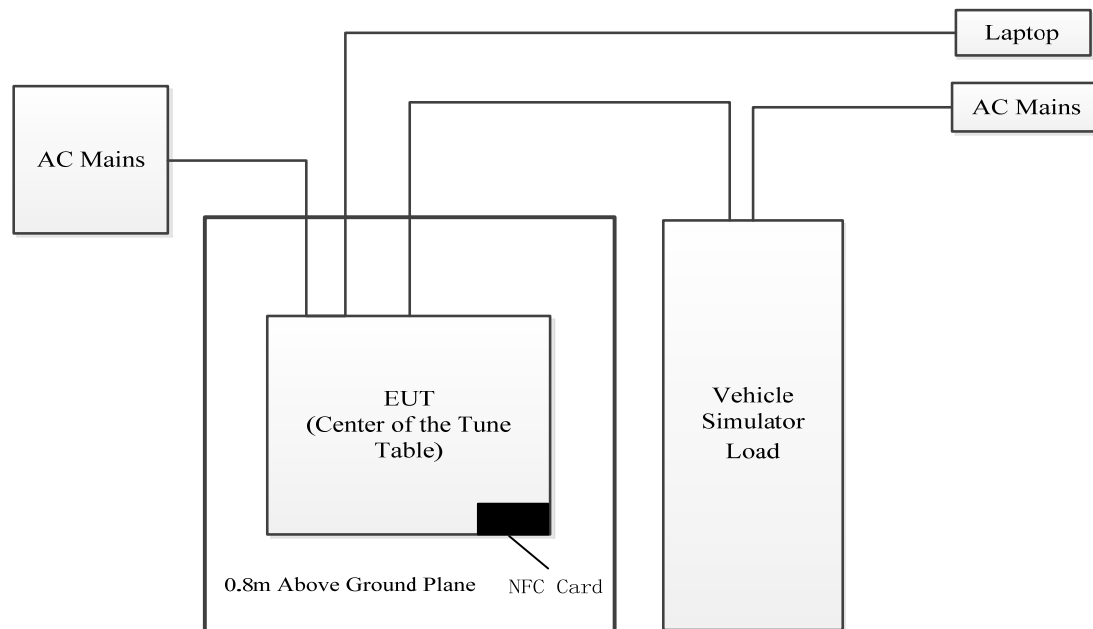
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RF 45 Cable	No	No	10	Router	EUT
Charging Cable	Yes	No	5.5	Load	EUT

### 3.5 Block Diagram of Test Setup

AC Power Lines Conducted Emission:



Radiated Spurious Emissions:





### 3.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

### 3.7 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
Power Spectral Density, conducted	±0.61 dB
Unwanted Emissions, radiated	9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz:5.47 dB, 26.5GHz~40GHz:5.63 dB
Unwanted Emissions, conducted	±2.47 dB
Temperature	±1℃
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	3.11 dB (150 kHz to 30 MHz)

## 4. REQUIREMENTS AND TEST RESULTS

### 4.1 AC Line Conducted Emissions

#### 4.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50  $\mu$ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	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.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

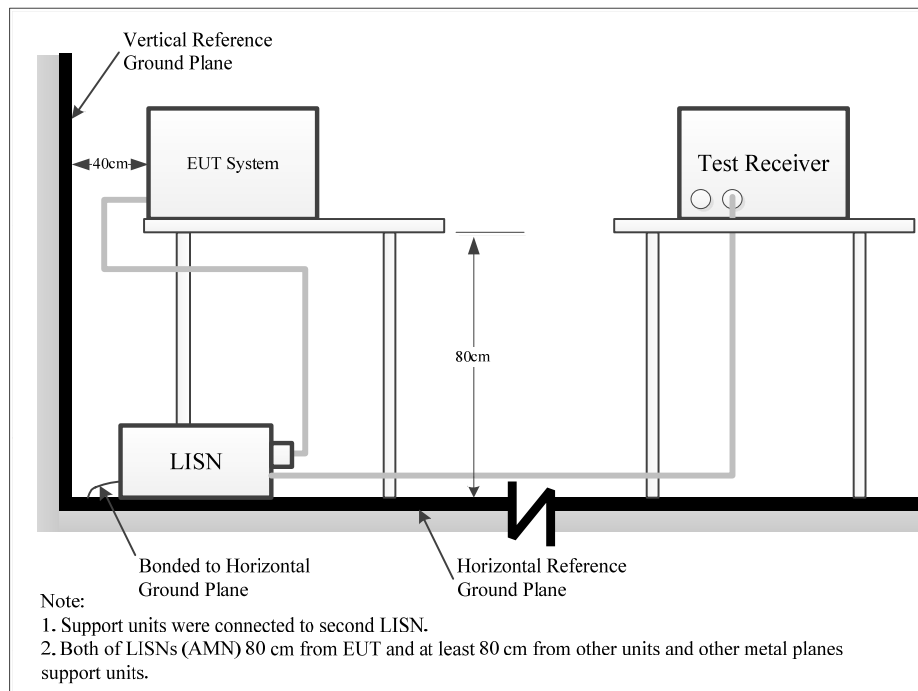
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000  $\mu$ V within the frequency band 535-1705 kHz, as measured using a 50  $\mu$ H/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

#### 4.1.2 EUT Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 limits.

The spacing between the peripherals was 10 cm.

#### 4.1.3 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

#### 4.1.4 Test Procedure

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

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase (“hot”) line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

According FCC publication number 174176, for a device with a permanent antenna operating at or below 30 MHz, the measurements done with a suitable dummy load, in lieu of the permanent antenna under the following conditions: (1) perform the AC line conducted tests with the permanent antenna to determine compliance with the Section 15.207 limits outside the transmitter's fundamental emission band; (2) retest with a dummy load in lieu of the permanent antenna to determine compliance with the Section 15.207 limits within the transmitter's fundamental emission band.

#### 4.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = attenuation caused by cable loss + voltage division factor of AMN

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

**4.1.6 Test Data**

Serial Number:	329D-1	Test Date:	2025/05/20
Test Site:	CE	Test Mode:	Transmitting
Tester:	Yukin Qiu	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	25.9	Relative Humidity: (%)	64	ATM Pressure: (kPa)	100.9
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2024/9/5	2025/9/4
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-03	2024/9/5	2025/9/4
JFW	Coaxial Attenuator	50FH-006-100	F-08-EM007	2024/9/5	2025/9/4
R&S	EMI Test Receiver	ESCI	100035	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A
SCHWARZBECK	LISN 1	NNLK 8130	8130-00446	2024/9/23	2025/9/23
COM-POWER	LISN 2	LI-3P-132	20200003	2024/9/6	2025/9/5

*\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

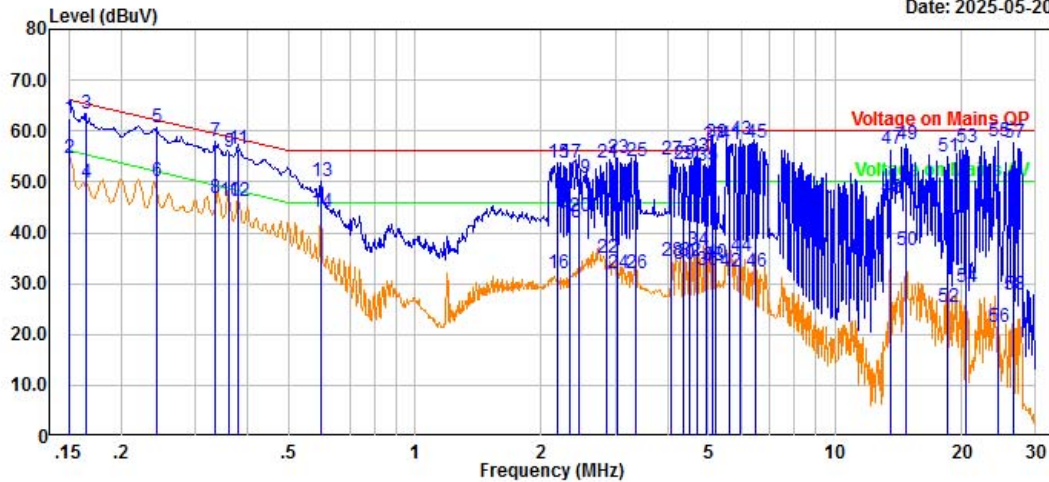
**Test Data:**

With a representative tag(NFC Card) was the worst.

Project No.: 2502S26753E-RF  
Port: line1  
Test Mode: Transmitting  
IF B/W 9kHz PK/AV

Serial No.: 329D-1  
Tester: Yukin Qiu  
Note:

Date: 2025-05-20



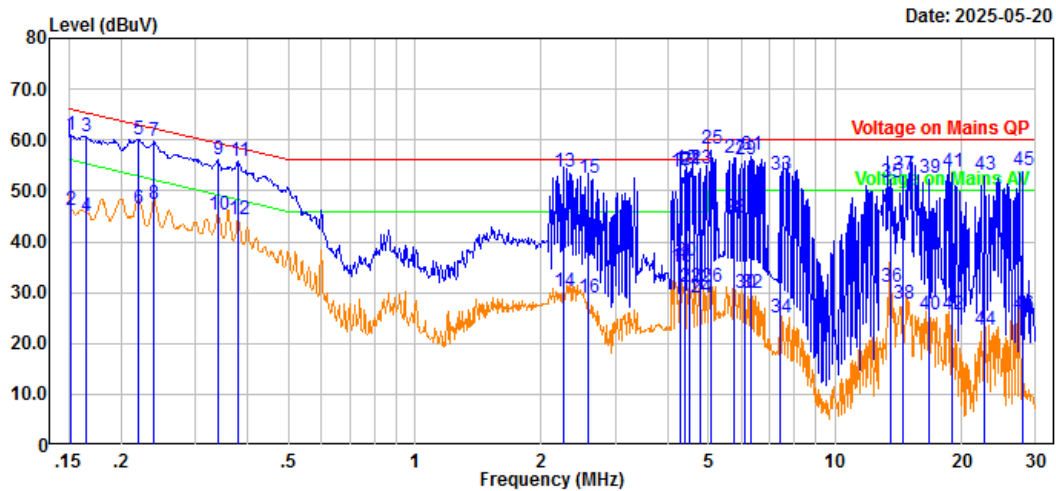
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.151	56.23	6.19	62.42	65.94	3.52	QP
2	0.151	48.41	6.19	54.60	55.94	1.34	Average
3	0.165	57.26	6.18	63.44	65.21	1.77	QP
4	0.165	43.56	6.18	49.74	55.21	5.47	Average
5	0.243	54.41	6.14	60.55	61.98	1.43	QP
6	0.243	44.07	6.14	50.21	51.98	1.77	Average
7	0.335	51.81	6.17	57.98	59.33	1.35	QP
8	0.335	40.69	6.17	46.86	49.33	2.47	Average
9	0.362	49.61	6.20	55.81	58.67	2.86	QP
10	0.362	40.12	6.20	46.32	48.67	2.35	Average
11	0.379	50.21	6.22	56.43	58.30	1.87	QP
12	0.379	40.11	6.22	46.33	48.30	1.97	Average
13	0.597	43.97	6.24	50.21	56.00	5.79	QP
14	0.597	37.84	6.24	44.08	46.00	1.92	Average
15	2.180	47.56	6.27	53.83	56.00	2.17	QP
16	2.180	25.67	6.27	31.94	46.00	14.06	Average
17	2.338	47.33	6.28	53.61	56.00	2.39	QP
18	2.338	35.67	6.28	41.95	46.00	4.05	Average
19	2.457	44.52	6.28	50.80	56.00	5.20	QP
20	2.457	36.89	6.28	43.17	46.00	2.83	Average
21	2.854	47.42	6.29	53.71	56.00	2.29	QP
22	2.854	28.66	6.29	34.95	46.00	11.05	Average
23	3.045	48.48	6.29	54.77	56.00	1.23	QP
24	3.045	25.69	6.29	31.98	46.00	14.02	Average
25	3.364	47.84	6.29	54.13	56.00	1.87	QP
26	3.364	25.82	6.29	32.11	46.00	13.89	Average
27	4.065	48.12	6.29	54.41	56.00	1.59	QP
28	4.065	28.18	6.29	34.47	46.00	11.53	Average

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
<hr/>							
29	4.346	47.25	6.30	53.55	56.00	2.45	QP
30	4.346	27.45	6.30	33.75	46.00	12.25	Average
31	4.495	47.18	6.30	53.48	56.00	2.52	QP
32	4.495	28.17	6.30	34.47	46.00	11.53	Average
33	4.698	48.62	6.31	54.93	56.00	1.07	QP
34	4.698	30.28	6.31	36.59	46.00	9.41	Average
35	4.946	46.70	6.32	53.02	56.00	2.98	QP
36	4.946	26.25	6.32	32.57	46.00	13.43	Average
37	5.113	50.81	6.32	57.13	60.00	2.87	QP
38	5.113	27.06	6.32	33.38	50.00	16.62	Average
39	5.190	51.35	6.32	57.67	60.00	2.33	QP
40	5.190	27.80	6.32	34.12	50.00	15.88	Average
41	5.626	51.09	6.33	57.42	60.00	2.58	QP
42	5.626	25.85	6.33	32.18	50.00	17.82	Average
43	5.938	51.84	6.34	58.18	60.00	1.82	QP
44	5.938	28.84	6.34	35.18	50.00	14.82	Average
45	6.447	51.40	6.39	57.79	60.00	2.21	QP
46	6.447	25.91	6.39	32.30	50.00	17.70	Average
47	13.562	50.00	6.58	56.58	60.00	3.42	QP
48	13.562	40.28	6.58	46.86	50.00	3.14	Average
49	14.709	50.90	6.60	57.50	60.00	2.50	QP
50	14.709	29.88	6.60	36.48	50.00	13.52	Average
51	18.499	48.22	6.65	54.87	60.00	5.13	QP
52	18.499	18.80	6.65	25.45	50.00	24.55	Average
53	20.438	50.19	6.68	56.87	60.00	3.13	QP
54	20.438	22.70	6.68	29.38	50.00	20.62	Average
55	24.455	51.22	6.73	57.95	60.00	2.05	QP
56	24.455	14.65	6.73	21.38	50.00	28.62	Average
57	26.618	50.75	6.78	57.53	60.00	2.47	QP
58	26.618	20.88	6.78	27.66	50.00	22.34	Average



Project No.: 2502S26753E-RF  
 Port: line2  
 Test Mode: Transmitting  
 IF B/W 9kHz PK/AV

Serial No.: 329D-1  
 Tester: Yukin Qiu  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.152	54.89	6.18	61.07	65.88	4.81	QP
2	0.152	40.03	6.18	46.21	55.88	9.67	Average
3	0.166	54.56	6.16	60.72	65.17	4.45	QP
4	0.166	38.95	6.16	45.11	55.17	10.06	Average
5	0.220	53.96	6.13	60.09	62.81	2.72	QP
6	0.220	40.42	6.13	46.55	52.81	6.26	Average
7	0.240	53.56	6.13	59.69	62.11	2.42	QP
8	0.240	41.12	6.13	47.25	52.11	4.86	Average
9	0.340	49.84	6.17	56.01	59.21	3.20	QP
10	0.340	39.01	6.17	45.18	49.21	4.03	Average
11	0.381	49.77	6.22	55.99	58.26	2.27	QP
12	0.381	38.23	6.22	44.45	48.26	3.81	Average
13	2.269	47.44	6.27	53.71	56.00	2.29	QP
14	2.269	23.85	6.27	30.12	46.00	15.88	Average
15	2.583	46.23	6.28	52.51	56.00	3.49	QP
16	2.583	22.84	6.28	29.12	46.00	16.88	Average
17	4.283	47.45	6.31	53.76	56.00	2.24	QP
18	4.283	28.84	6.31	35.15	46.00	10.85	Average
19	4.380	47.88	6.31	54.19	56.00	1.81	QP
20	4.380	29.87	6.31	36.18	46.00	9.82	Average
21	4.519	47.86	6.31	54.17	56.00	1.83	QP
22	4.519	24.89	6.31	31.20	46.00	14.80	Average
23	4.768	47.93	6.32	54.25	56.00	1.75	QP
24	4.768	22.80	6.32	29.12	46.00	16.88	Average
25	5.072	51.90	6.32	58.22	60.00	1.78	QP
26	5.072	24.88	6.32	31.20	50.00	18.80	Average
27	5.734	50.18	6.33	56.51	60.00	3.49	QP
28	5.734	38.44	6.33	44.77	50.00	5.23	Average



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
-----							
29	6.083	49.78	6.35	56.13	60.00	3.87	QP
30	6.083	23.65	6.35	30.00	50.00	20.00	Average
31	6.301	50.57	6.38	56.95	60.00	3.05	QP
32	6.301	23.44	6.38	29.82	50.00	20.18	Average
33	7.402	46.67	6.47	53.14	60.00	6.86	QP
34	7.402	18.64	6.47	25.11	50.00	24.89	Average
35	13.562	45.00	6.59	51.59	60.00	8.41	QP
36	13.562	24.60	6.59	31.19	50.00	18.81	Average
37	14.516	46.39	6.61	53.00	60.00	7.00	QP
38	14.516	21.10	6.61	27.71	50.00	22.29	Average
39	16.792	45.82	6.65	52.47	60.00	7.53	QP
40	16.792	19.14	6.65	25.79	50.00	24.21	Average
41	18.940	46.95	6.68	53.63	60.00	6.37	QP
42	18.940	18.83	6.68	25.51	50.00	24.49	Average
43	22.638	46.46	6.75	53.21	60.00	6.79	QP
44	22.638	15.98	6.75	22.73	50.00	27.27	Average
45	27.857	47.04	6.90	53.94	60.00	6.06	QP
46	27.857	18.74	6.90	25.64	50.00	24.36	Average

## 4.2 Radiated Spurious Emissions

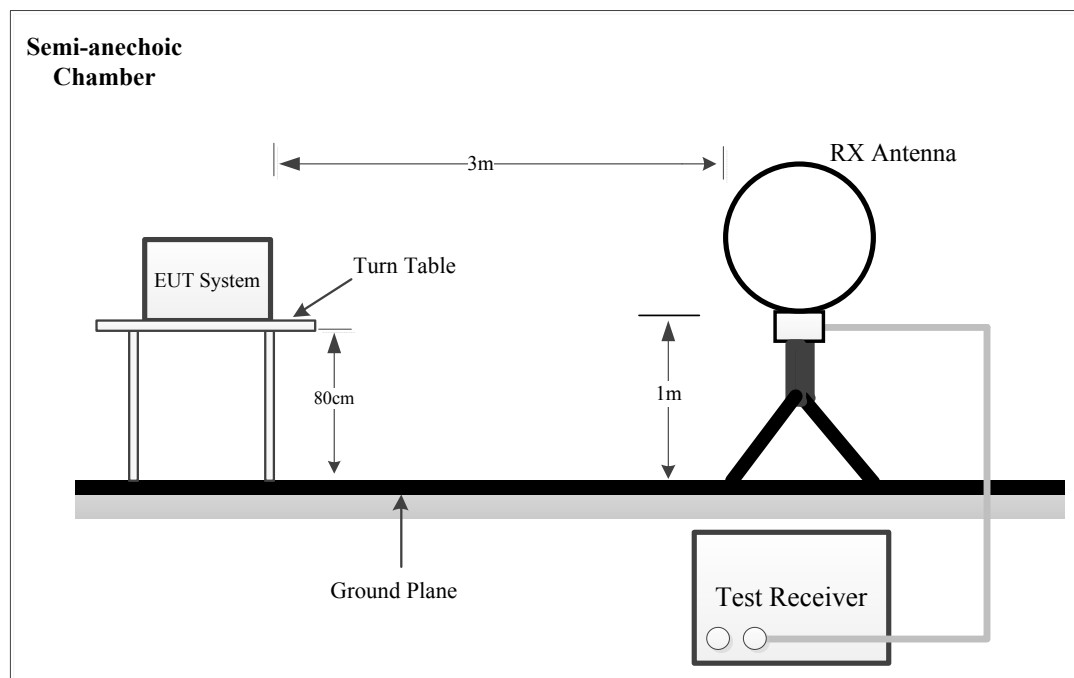
### 4.2.1 Applicable Standard

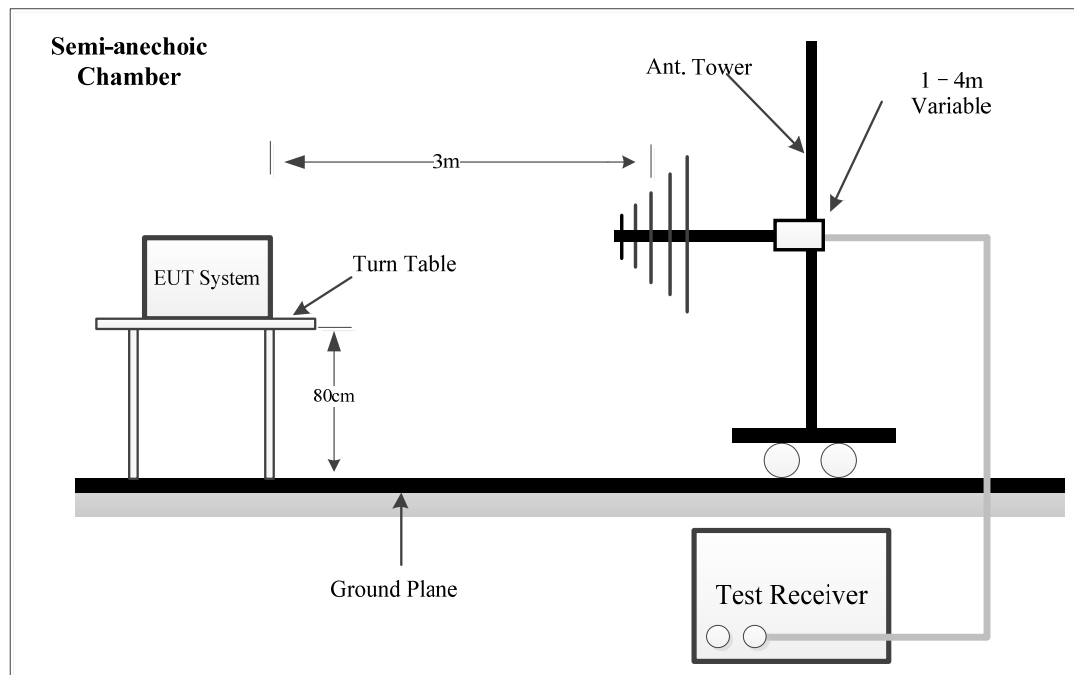
As per FCC Part 15.225

- (a) The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
- (b) Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- (c) Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- (d) The field strength of any emissions appearing outside of the 13.110–14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

### 4.2.2 EUT Setup

9kHz~30MHz:



**30MHz~1GHz:**

The radiated emission tests were performed in the 3-meter chamber test site, using the setup accordance with the ANSI C63.10-2020.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

**4.2.3 EMI Test Receiver & Spectrum Analyzer Setup**

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:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	200 Hz	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	9 kHz	QP/AV
30 MHz – 1000 MHz	100 kHz	300 kHz	/	PK
	/	/	120 kHz	QP

**4.2.4 Test Procedure**

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

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9-90 kHz, 110-490 kHz, employing an average detector.

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

#### 4.2.5 Corrected Result & Margin Calculation

$$E_{Log} = 20 \times \log_{10}(E_{Linear})$$

$E_{Linear}$  is the field strength of the emission, in  $\mu$  V/m

$E_{Log}$  is the field strength of the emission, in dB  $\mu$  V/m

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 basic equation is as follows:

$$\text{Result} = \text{Reading} + \text{Factor}$$

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

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Result}$$

**4.2.6 Test Data**

Serial Number:	329D-1	Test Date:	2025/5/20
Test Site:	Chamber 10m	Test Mode:	Transmitting
Tester:	Willem Qiu	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	25.8	Relative Humidity: (%)	43	ATM Pressure: (kPa)	100.9
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMCO	Passive Loop Antenna	6512	9706-1206	2023/10/25	2026/10/24
Sunol Sciences	Hybrid Antenna	JB3	A060611-1	2023/9/6	2026/9/5
Narda	Coaxial Attenuator	779-6dB	04269	2023/9/6	2026/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2024/7/1	2025/6/30
Sonoma	Amplifier	310N	185914	2024/8/26	2025/8/25
R&S	EMI Test Receiver	ESCI	100224	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

Please refer to the below table and plots.  
With a representative tag(NFC Card) was the worst.

## 1) 9kHz~30MHz

Project No.: 2502S26753E-RF

Serial No.: 329D-1

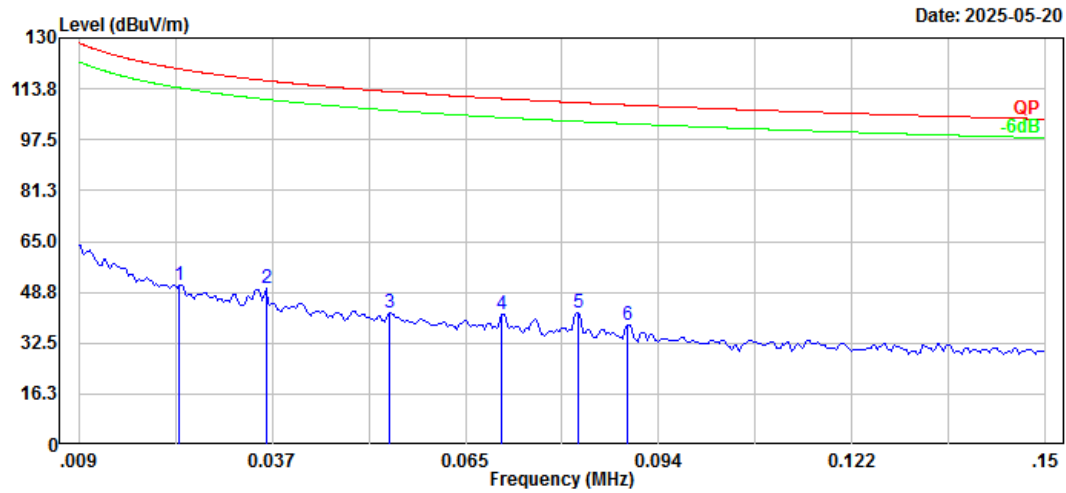
Polarization: Parallel

Tester: Willem Qiu

Test Mode: Transmitting

Note:

RBW:300Hz VBW:1kHz



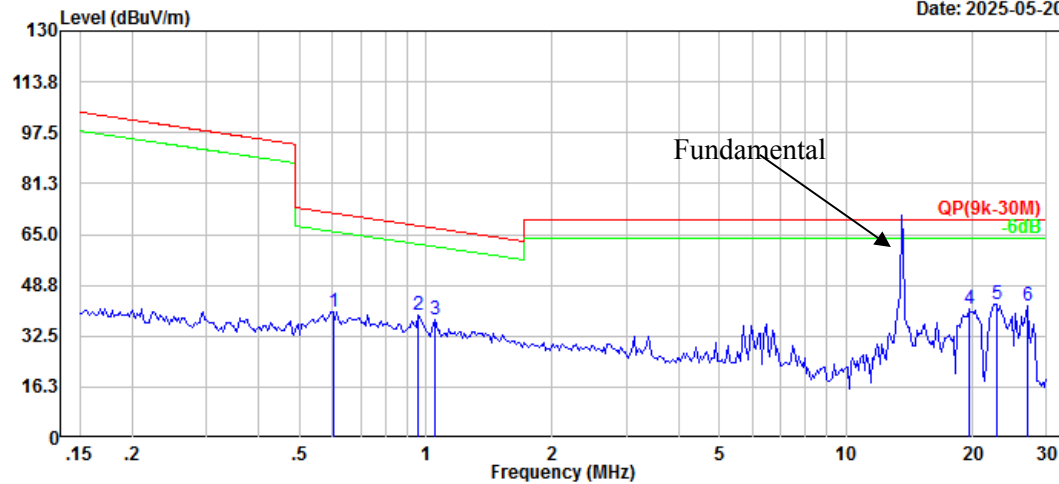
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.024	1.92	49.13	51.05	120.12	69.07	Peak
2	0.036	3.82	46.42	50.24	116.39	66.15	Peak
3	0.054	-1.32	43.30	41.98	112.89	70.91	Peak
4	0.071	1.32	40.46	41.78	110.61	68.83	Peak
5	0.082	3.47	38.61	42.08	109.35	67.27	Peak
6	0.089	1.04	37.30	38.34	108.61	70.27	Peak

Project No.: 2502S26753E-RF  
Polarization: Parallel  
Test Mode: Transmitting  
Note:

RBW:10kHz VBW:30kHz

Serial No.: 329D-1  
Tester: Willem Qiu

Date: 2025-05-20

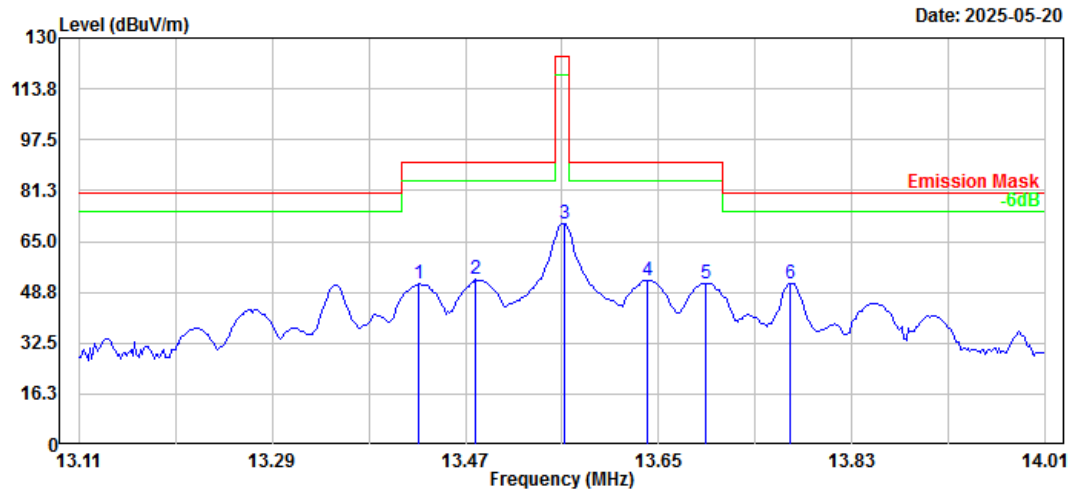


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.601	17.99	22.45	40.44	71.99	31.55	Peak
2	0.958	21.76	17.40	39.16	67.85	28.69	Peak
3	1.054	21.58	16.32	37.90	67.01	29.11	Peak
4	19.635	36.83	4.20	41.03	69.54	28.51	Peak
5	22.775	38.44	4.17	42.61	69.54	26.93	Peak
6	26.984	37.94	4.17	42.11	69.54	27.43	Peak

Project No.: 2502S26753E-RF  
Polarization: Parallel  
Test Mode: Transmitting  
Note:

Serial No.: 329D-1  
Tester: Willem Qiu

RBW:10kHz VBW:30kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	13.427	46.72	4.55	51.27	90.47	39.20	Peak
2	13.479	48.33	4.55	52.88	90.47	37.59	Peak
3	13.562	66.30	4.53	70.83	124.00	53.17	Peak
4	13.639	48.02	4.52	52.54	90.47	37.93	Peak
5	13.693	47.17	4.51	51.68	90.47	38.79	Peak
6	13.772	47.18	4.51	51.69	80.51	28.82	Peak

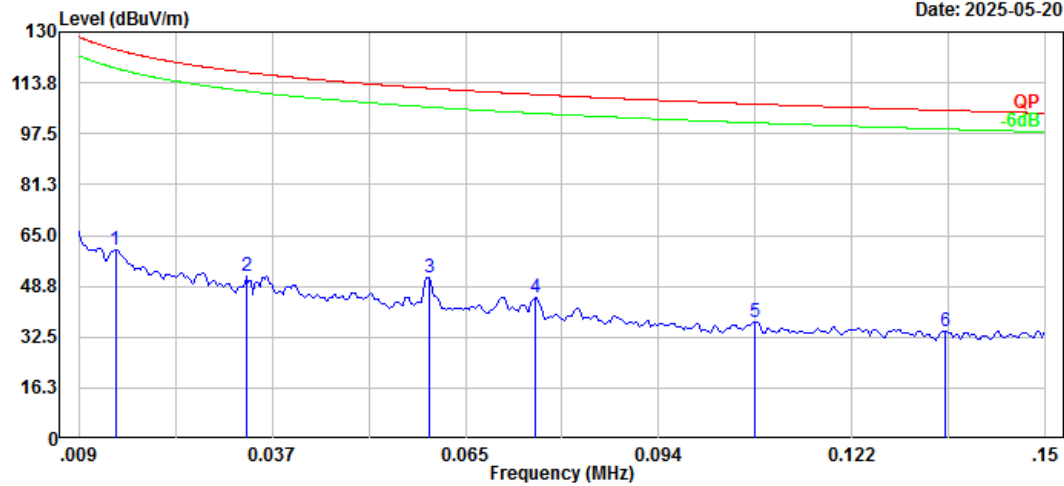


Project No.: 2502S26753E-RF  
Polarization: Perpendicular  
Test Mode: Transmitting  
Note:

RBW:300Hz VBW:1kHz

Serial No.: 329D-1  
Tester: Willem Qiu

Date: 2025-05-20



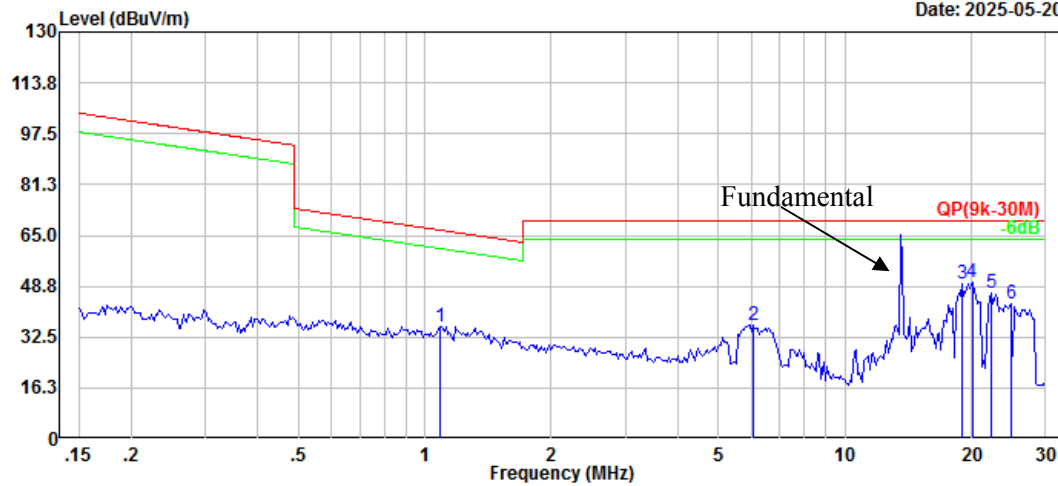
No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Measurement
1	0.014	8.91	51.63	60.54	124.46	63.92	Peak
2	0.034	5.14	46.92	52.06	117.09	65.03	Peak
3	0.060	9.26	42.33	51.59	112.04	60.45	Peak
4	0.076	5.37	39.67	45.04	110.04	65.00	Peak
5	0.108	2.33	34.97	37.30	106.96	69.66	Peak
6	0.135	0.93	33.45	34.38	104.98	70.60	Peak

Project No.: 2502S26753E-RF  
Polarization: Perpendicular  
Test Mode: Transmitting  
Note:

RBW:10kHz VBW:30kHz

Serial No.: 329D-1  
Tester: Willem Qiu

Date: 2025-05-20

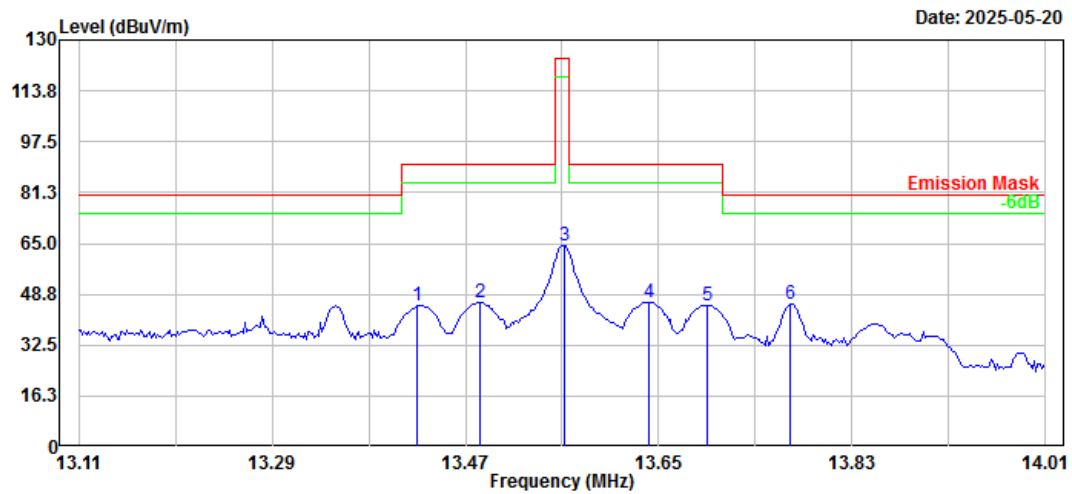


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	1.088	19.83	16.17	36.00	66.72	30.72	Peak
2	6.056	30.60	5.86	36.46	69.54	33.08	Peak
3	19.021	45.09	4.27	49.36	69.54	20.18	Peak
4	20.056	45.85	4.16	50.01	69.54	19.53	Peak
5	22.298	42.44	4.16	46.60	69.54	22.94	Peak
6	24.790	39.03	4.19	43.22	69.54	26.32	Peak

Project No.: 2502S26753E-RF  
Polarization: Perpendicular  
Test Mode: Transmitting  
Note:

Serial No.: 329D-1  
Tester: Willem Qiu

RBW:10kHz VBW:30kHz

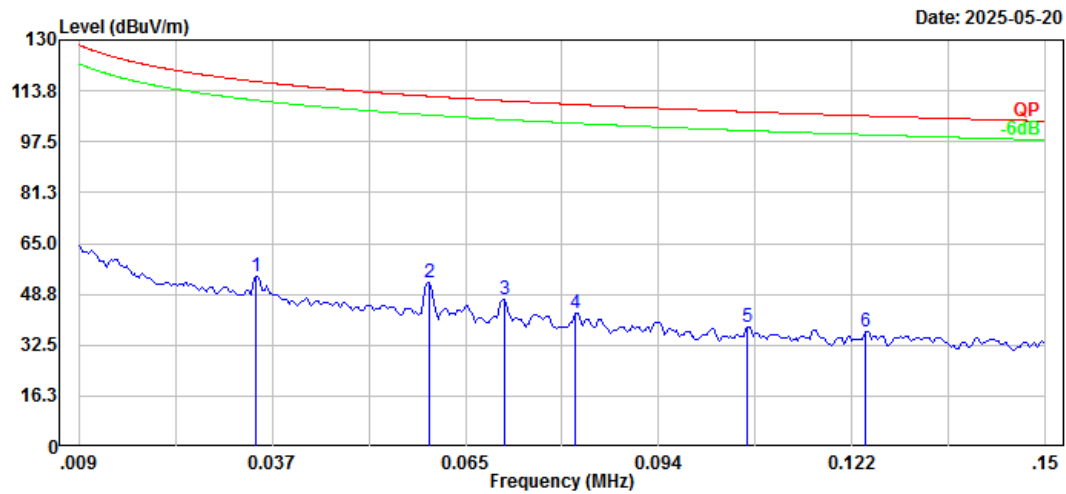


No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Measurement
1	13.425	40.45	4.55	45.00	90.47	45.47	Peak
2	13.484	41.57	4.55	46.12	90.47	44.35	Peak
3	13.562	59.83	4.53	64.36	124.00	59.64	Peak
4	13.641	41.67	4.52	46.19	90.47	44.28	Peak
5	13.695	40.86	4.51	45.37	90.47	45.10	Peak
6	13.772	41.16	4.51	45.67	80.51	34.84	Peak

Project No.: 2502S26753E-RF  
Polarization: Ground-Parallel  
Test Mode: Transmitting  
Note:

RBW:300Hz VBW:1kHz

Serial No.: 329D-1  
Tester: Willem Qiu



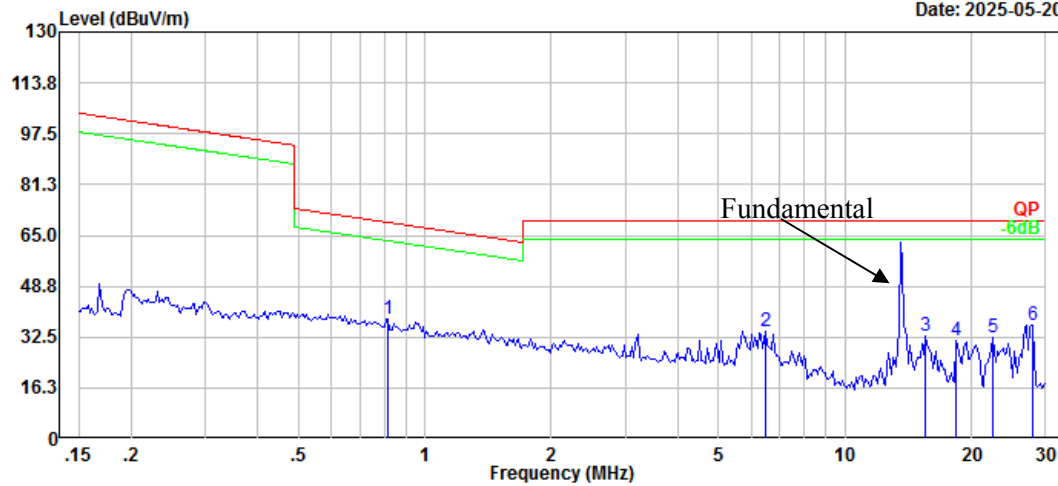
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.035	7.55	46.67	54.22	116.74	62.52	Peak
2	0.060	9.92	42.33	52.25	112.04	59.79	Peak
3	0.071	6.44	40.41	46.85	110.57	63.72	Peak
4	0.081	4.15	38.66	42.81	109.38	66.57	Peak
5	0.107	3.34	35.04	38.38	107.05	68.67	Peak
6	0.124	2.80	34.09	36.89	105.75	68.86	Peak

Project No.: 2502S26753E-RF  
Polarization: Ground-Parallel  
Test Mode: Transmitting  
Note:

RBW:10kHz VBW:30kHz

Serial No.: 329D-1  
Tester: Willem Qiu

Date: 2025-05-20

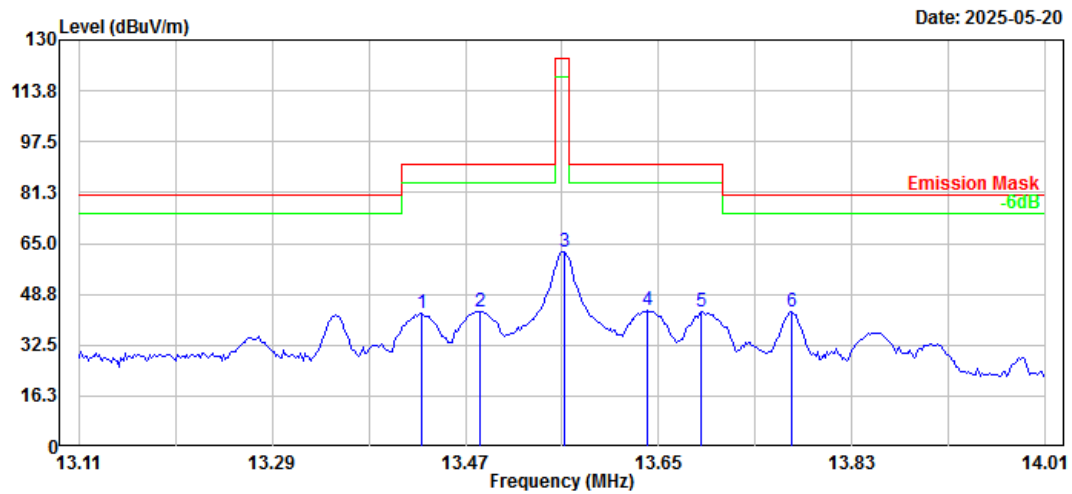


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.817	17.93	20.21	38.14	69.26	31.12	Peak
2	6.454	28.78	5.71	34.49	69.54	35.05	Peak
3	15.552	28.64	4.46	33.10	69.54	36.44	Peak
4	18.426	27.14	4.28	31.42	69.54	38.12	Peak
5	22.535	28.21	4.17	32.38	69.54	37.16	Peak
6	27.855	32.00	4.13	36.13	69.54	33.41	Peak

Project No.: 2502S26753E-RF  
Polarization: Ground-Parallel  
Test Mode: Transmitting  
Note:

Serial No.: 329D-1  
Tester: Willem Qiu

RBW:10kHz VBW:30kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	13.429	37.92	4.55	42.47	90.47	48.00	Peak
2	13.483	38.85	4.55	43.40	90.47	47.07	Peak
3	13.562	57.82	4.53	62.35	124.00	61.65	Peak
4	13.639	38.91	4.52	43.43	90.47	47.04	Peak
5	13.690	38.49	4.51	43.00	90.47	47.47	Peak
6	13.774	38.71	4.51	43.22	80.51	37.29	Peak

## 2) 30MHz-1GHz

Project No.: 2502S26753E-RF

Serial No.: 329D-1

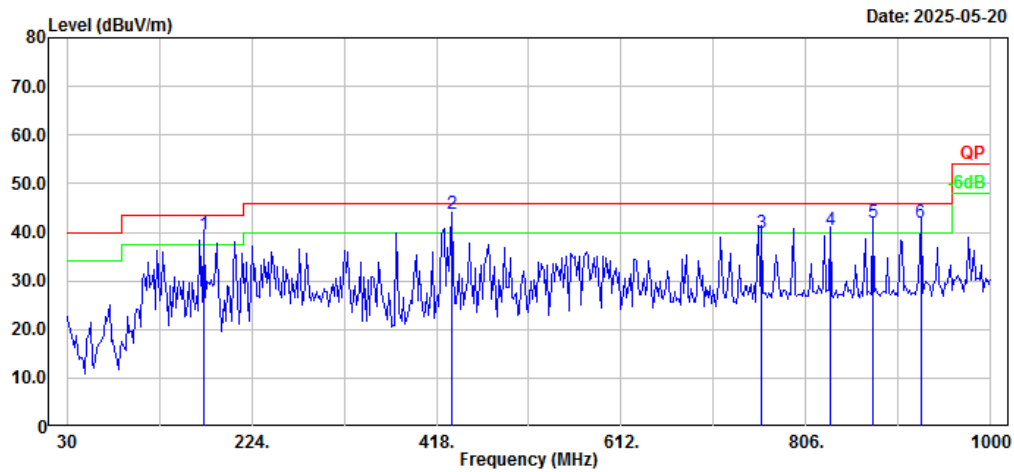
Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note:

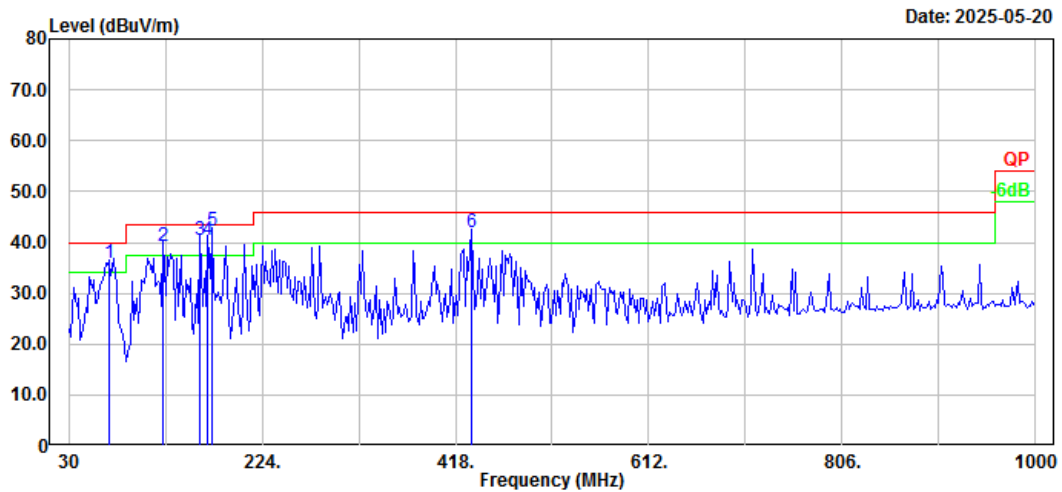
RBW:100kHz VBW:300kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	173.56	51.39	-11.98	39.41	43.50	4.09	QP
2	433.52	49.81	-6.04	43.77	46.00	2.23	QP
3	759.44	40.10	-0.16	39.94	46.00	6.06	QP
4	831.22	39.70	0.73	40.43	46.00	5.57	QP
5	875.84	40.90	1.16	42.06	46.00	3.94	QP
6	926.28	40.31	1.73	42.04	46.00	3.96	QP

Project No.: 2502S26753E-RF  
Polarization: Vertical  
Test Mode: Transmitting

Serial No.: 329D-1  
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
<hr/>							
1	70.740	52.09	-16.25	35.84	40.00	4.16	QP
2	125.060	49.21	-9.91	39.30	43.50	4.20	QP
3	161.920	51.60	-11.27	40.33	43.50	3.17	QP
4	169.680	52.30	-11.76	40.54	43.50	2.96	QP
5	173.560	54.39	-11.98	42.41	43.50	1.09	QP
6	433.520	47.91	-6.04	41.87	46.00	4.13	QP



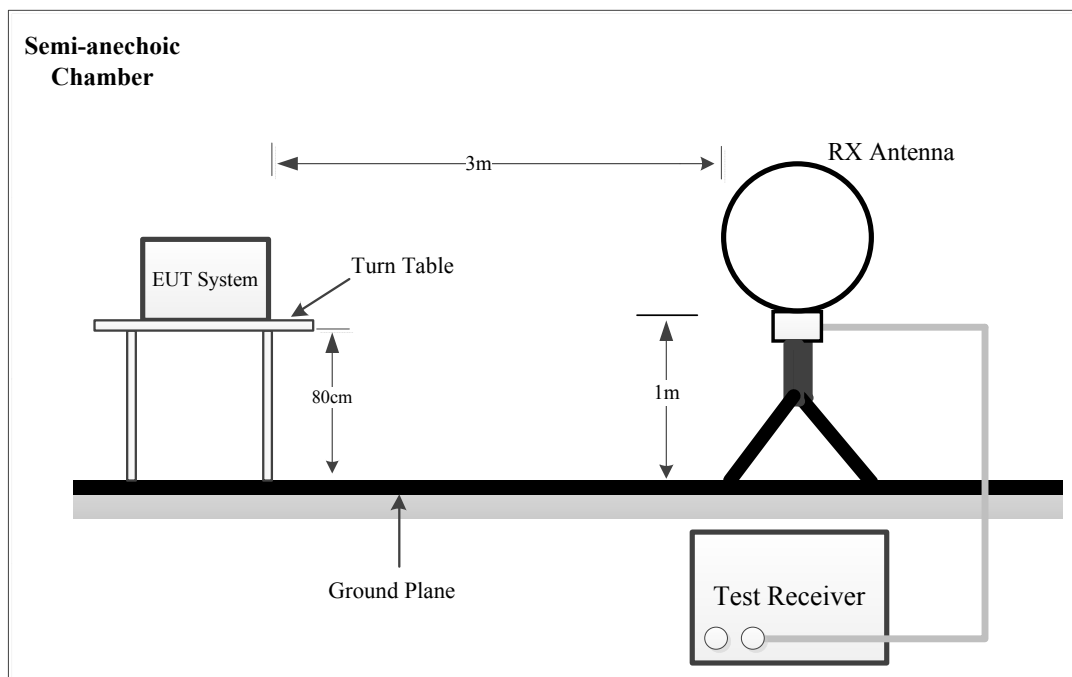
### 4.3 20 dB Emission Bandwidth

#### 4.3.1 Applicable Standard

FCC §15.215

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. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of band operation.

#### 4.3.2 EUT Setup



#### 4.3.3 Test Procedure

According to ANSI C63.10-2020 Section 6.9.2

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than  $[10 \log (OBW/RBW)]$  below the reference level. Specific guidance is given in 4.1.5.2
- Steps a) through c) might require iteration to adjust within the specified tolerances.
- The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target

“-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.

f) Set detection mode to peak and trace mode to max hold.

g) Determine the reference value: Set the EUT to transmit an unmodulated carrier or modulated signal, as applicable. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

h) Determine the “-xx dB down amplitude” using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.

i) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j).

j) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

k) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

4.3.4 Test Data

Serial Number:	329D-1	Test Date:	2025/5/20
Test Site:	Chamber 10m	Test Mode:	Transmitting
Tester:	Willem Qiu	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	20.8	Relative Humidity: (%)	57	ATM Pressure: (kPa)	100.9

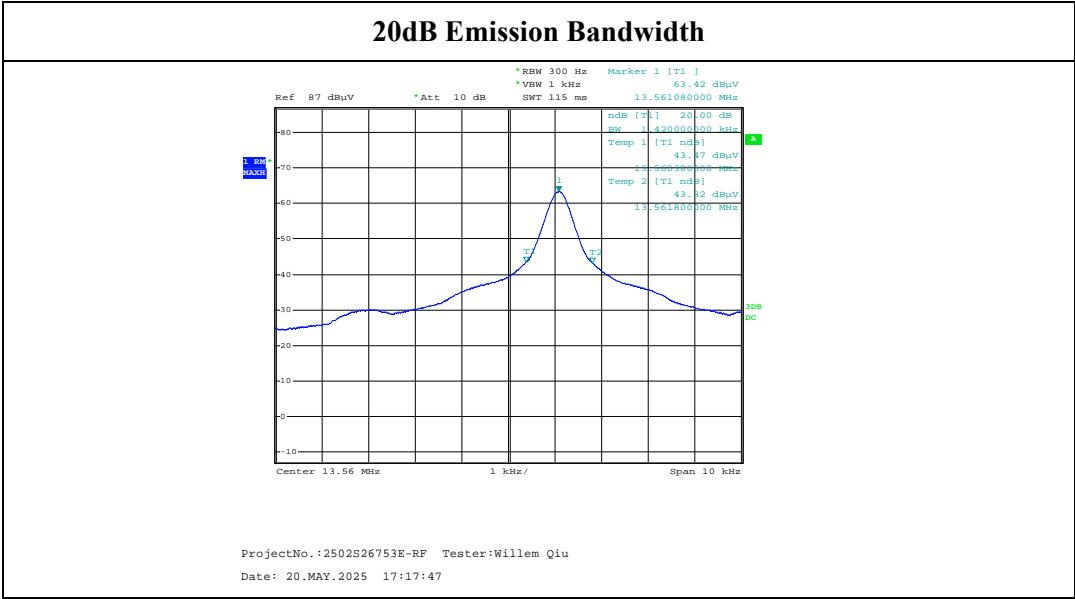
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMCO	Passive Loop Antenna	6512	9706-1206	2023/10/25	2026/10/24
Narda	Coaxial Attenuator	779-6dB	04269	2023/9/6	2026/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2024/7/1	2025/6/30
Sonoma	Amplifier	310N	185914	2024/8/26	2025/8/25
R&S	EMI Test Receiver	ESCI	100224	2024/8/26	2025/8/25

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Frequency (MHz)	20 dB Bandwidth (kHz)
13.56	1.42



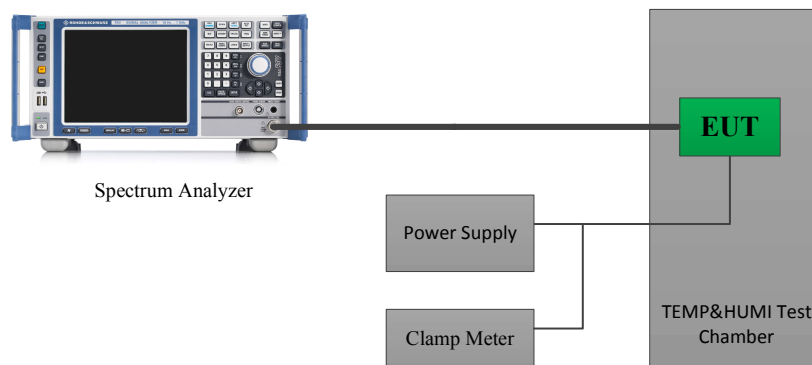
## 4.4 Frequency Stability

### 4.4.1 Applicable Standard

As per FCC Part 15.225:

The frequency tolerance of the carrier signal shall be maintained within  $\pm 0.01\%$  of the operating frequency over a temperature variation of  $-20$  degrees to  $+50$  degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

### 4.4.2 EUT Setup



### 4.4.3 Test Procedure

According to ANSI C63.10-2020 Section 6.8

#### Frequency stability with respect to ambient temperature

a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.

b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).

d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.

- e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.
- f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.
- g) Measure the frequency at each of frequencies specified in 5.6.
- h) Switch OFF the EUT but do not switch OFF the oscillator heater.
- i) Lower the chamber temperature by not more than 10 °C, and allow the temperature inside the chamber to stabilize.
- j) Repeat step f) through step i) down to the lowest specified temperature.

#### **Frequency stability when varying supply voltage**

Unless otherwise specified, these tests shall be made at ambient room temperature (+15 °C to +25 °C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

- a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.  
NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.
- b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in 5.6.
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage as described in 5.13.

**4.4.4 Test Result**

Serial Number:	329D-1	Test Date:	2025/5/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	Willem Qiu	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	25.8	Relative Humidity: (%)	43	ATM Pressure: (kPa)	100.9
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2024/7/1	2025/6/30
R&S	EMI Test Receiver	ESCI	100224	2024/8/26	2025/8/25
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30173	2024/9/6	2025/9/5
All-sun	Clamp Meter	EM305A	8348897	2024/8/16	2025/8/15
Daoxiang	AC Transformer	TDGC2-5KVA	F-08-EM011	N/A	N/A

\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Data:**

<b>f<sub>0</sub> = 13.56 MHz</b>				
Temperature	Voltage	Measured frequency	Frequency Error	Limit
°C	V <sub>AC</sub>	MHz	Hz	Hz
-40	240	13.561	1000	±1356
-30		13.56104	1040	±1356
-20		13.56102	1020	±1356
-10		13.56106	1060	±1356
0		13.56105	1050	±1356
10		13.5611	1100	±1356
20		13.56108	1080	±1356
30		13.56111	1110	±1356
40		13.56114	1140	±1356
50		13.56103	1030	±1356
20	204	13.56107	1070	±1356
20	264	13.56109	1090	±1356

**Note:** the voltage range was declared by manufacturer▲.

## **4.5 Antenna Requirement**

### **4.5.1 Applicable Standard**

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. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

### **4.5.2 Judgment**

Please refer to the Antenna Information detail in Section 1.3.

## **EXHIBIT A - EUT PHOTOGRAPHS**

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Please refer to the attachment 2502S26753E-RF-EXP EUT external photographs and 2502S26753E-RF-INP EUT internal photographs.



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## **EXHIBIT B - TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment 2502S26753E-RF-00A-TSP test setup photographs.

## EXHIBIT C - RF EXPOSURE EVALUATION

### Applicable Standard

According to subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; \* = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

### Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$  = power density (in appropriate units, e.g. mW/cm<sup>2</sup>);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

**Calculated Data:**

Radio	Operation Modes	Frequency (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance <sup>▲</sup>		Evaluation Distance (cm)	Power Density (mW/cm <sup>2</sup> )	MPE Limit (mW/cm <sup>2</sup> )
			(dBi)	(numeric)	(dBm)	(mW)			
WLAN/ BT Module	BT	2402-2480	0.73	1.18	6	3.98	20.00	0.001	1.0
	BLE	2402-2480	0.73	1.18	6	3.98	20.00	0.001	1.0
	WiFi 2.4G	2412-2462	0.73	1.18	20	100.00	20.00	0.024	1.0
	WiFi 5G (UNII-1)	5150-5250	1.14	1.30	19	79.43	20.00	0.021	1.0
	WiFi 5G (UNII-2A)	5250-5350	1.00	1.26	19	79.43	20.00	0.020	1.0
	WiFi 5G (UNII-2C)	5470-5725	0.6	1.15	19	79.43	20.00	0.018	1.0
	WiFi 5G (UNII-3)	5725-5850	0.95	1.24	19	79.43	20.00	0.020	1.0
WWAN Module	WCDMA Band II	1850-1910	3.5	2.24	25	316.23	20.00	0.141	1.0
	WCDMA Band IV	1710-1755	-2.8	0.52	25	316.23	20.00	0.033	1.0
	WCDMA Band V	824-849	-3.5	0.45	25	316.23	20.00	0.028	0.55
	LTE Band 2	1850-1910	3.5	2.24	25	316.23	20.00	0.141	1.0
	LTE Band 4	1710-1755	-2.8	0.52	25	316.23	20.00	0.033	1.0
	LTE Band 5	824-849	-3.5	0.45	25	316.23	20.00	0.028	0.55
	LTE Band 12	699-716	-4.1	0.39	25	316.23	20.00	0.024	0.47
	LTE Band 13	777-787	-3.5	0.45	25	316.23	20.00	0.028	0.52
	LTE Band 14	788-798	-3.5	0.45	25	316.23	20.00	0.028	0.53
	LTE Band 66	1710-1780	-2.8	0.52	25	316.23	20.00	0.033	1.0
	LTE Band 71	663-698	-3.9	0.41	25	316.23	20.00	0.026	0.44
NFC	NFC	13.56	/	/	-24.37	0.004	20.00	<<0.001	0.98
Note: The device built in a certified WLAN(BT/WiFi) module, FCC ID: XMR2023FCS960K. The device built in a certified WWAN module, FCC ID: XMR202008EC25AFXD.									

**Note:**

1. The Conducted output power including Tune-up Tolerance provided by manufacturer
2. EIRP(dBm)=E(dBuV/m)-95.2 for 3 meters distance  
 NFC E Field = 70.83 dBuV/m@3m  
 ==> EIRP= -24.37dBm

**Simultaneous transmission:**

BT and WiFi can't transmit simultaneously, WiFi/BT, WWAN Module and NFC can transmit simultaneously:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

$$S_{WiFi}/S_{limit-WiFi} + S_{WWAN}/S_{limit-WWAN} + S_{NFC}/S_{limit-NFC}$$

$$= 0.024/1.0 + 0.141/1.0 + 0.001/0.98$$

$$= 0.166$$

$$< 1.0$$

**Result: Compliant. The device compliant RF Exposure at 20cm distances.**

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