

TEST REPORT

Applicant Name: AOVX WIRELESS SOLUTIONS CO., LTD.
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Mingzhu Avenue, Baiyan Community Service Center, High-tech Zone, Hefei City, Anhui Province, P.R.China
Report Number: 2601U10179E-EM-00
FCC ID: 2BAXKYX2606GL700

Test Standard (s)

FCC Part 15, Subpart B (Class B)

Sample Description

Product Type: Ulog
Model No.: GL700
Multiple Model(s) No.: N/A
Trade Mark:



Date Received: 2026/06/02
Issue Date: 2026/07/16

Test Result:	Pass▲
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▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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EMC Engineer

Approved By:

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Moon Liu
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Note: The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included.

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Bay Area Compliance Laboratories Corp. (Shenzhen)

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2601U10179E-EM-00	Original Report	2026/07/16

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Voltage Range	DC 4.5V from battery
Highest operating frequency [#]	2690MHz (Provided by the applicant)
Equipment Class	Class B
Sample number	3N86-1 (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	N/A

Objective

This test report is in accordance with Part 2-Subpart J, Part 15B Subparts A and B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine the compliance of the EUT with FCC Part 15B.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Shenzhen). The radiated testing was performed at an antenna-to-EUT distance of 3 meters. Each test item follows test standards and with no deviation.

Measurement Uncertainty

Item	Frequency Range		Expanded Measurement uncertainty
Conducted Emissions	AC Mains	150 kHz ~30MHz	3.72dB(k=2, 95% level of confidence)
Radiated Disturbance	30MHz~1000MHz	Horizontal	5.10dB(k=2, 95% level of confidence)
	30MHz~1000MHz	Vertical	6.28dB(k=2, 95% level of confidence)
	1GHz~6GHz	/	6.18dB(k=2, 95% level of confidence)
	6GHz~18GHz	/	6.62dB(k=2, 95% level of confidence)
	18GHz~40GHz	/	6.66dB(k=2, 95% level of confidence)

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.

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Shenzhen) to collect test data is located on the 5F(B-West), 6F, 7F, the 3rd Phase of Wan Li Industrial Building D, Shihua Rd, FuTian Free Trade Zone, Shenzhen, 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, test firm registration No.: 715558, the FCC Designation No.: CN5045.

Each test item follows test standards and with no deviation.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in worst case condition.

Test Mode: Detecting temperature

EUT exercise software

No exercise software was used.

Equipment Modifications

No modification was made to the EUT tested.

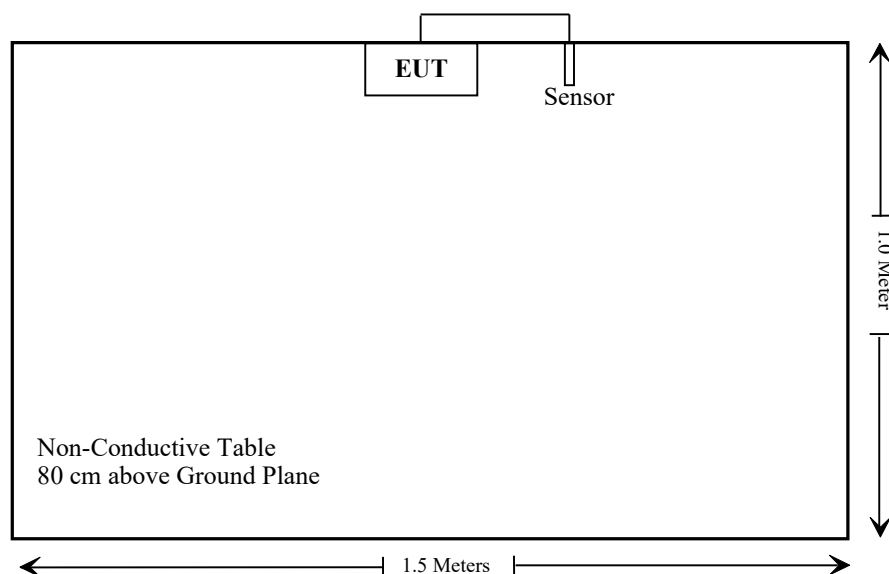
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

Cable Description	Length (m)	From/Port	To
Un-Shielding Un-Detachable sensor Cable	0.9	EUT	sensor

Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emissions	Not Applicable
§15.109	Radiated Emissions	Compliant

Not Applicable: the device was powered by battery when operating.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2025/09/01	2026/08/31
Sonoma instrument	Pre-amplifier	310 N	186238	2025/09/08	2026/09/07
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Chamber A Cable	Cable A1	Cable A1	2025/09/08	2026/09/07
Unknown	Chamber A Cable	Cable A2	Cable A2	2025/09/08	2026/09/07
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR
TDK	Chamber	Chamber A	2#	2023/07/12	2026/07/11
Rohde & Schwarz	Spectrum Analyzer	FSV40	101605	2025/09/01	2026/08/31
A.H.System	Preamplifier	PAM-0118P	489	2025/09/08	2026/09/07
Schwarzbeck	Horn Antenna	BBHA9120D(1201)	1143	2023/07/26	2026/07/25
Unknown	Chamber B Cable	Cable B1	Cable B1	2025/09/08	2026/09/07
Unknown	Chamber B Cable	Cable B2	Cable B2	2025/09/08	2026/09/07
Unknown	Chamber B Cable	Cable B3	Cable B3	2025/09/08	2026/09/07
JD	Filter Switch Unit	DT7220FSU	DS79906	2025/08/12	2026/08/11
JD	Multiplex Switch Test Control Set	DT7220SCU	DS79903	2025/08/12	2026/08/11
Audix	EMI Test software	E3	191218 V9(c)	NCR	NCR
TDK	Chamber	Chamber B	1#	2023/07/14	2026/07/13

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

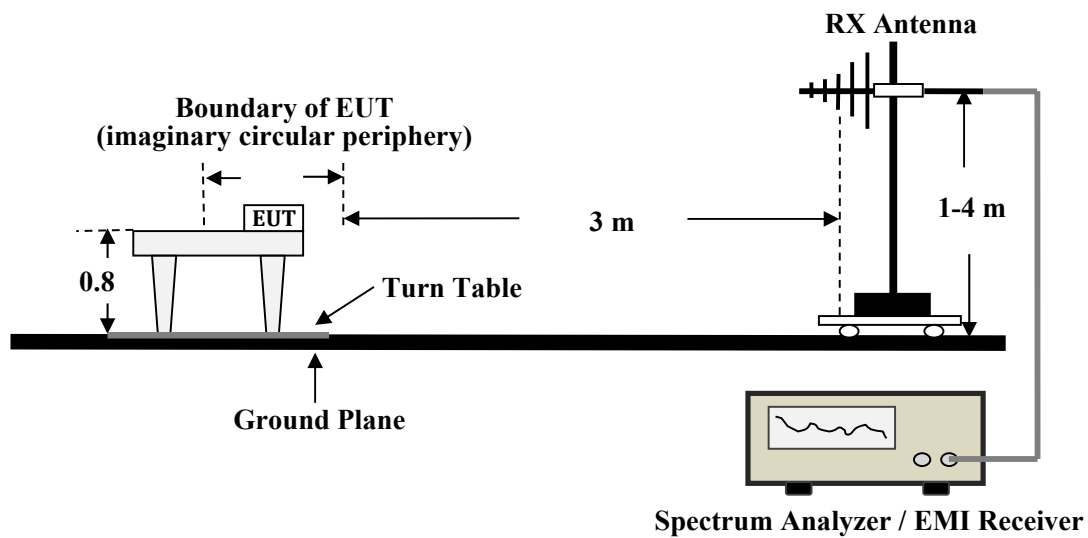
FCC §15.109 - RADIATED EMISSIONS

Applicable Standard

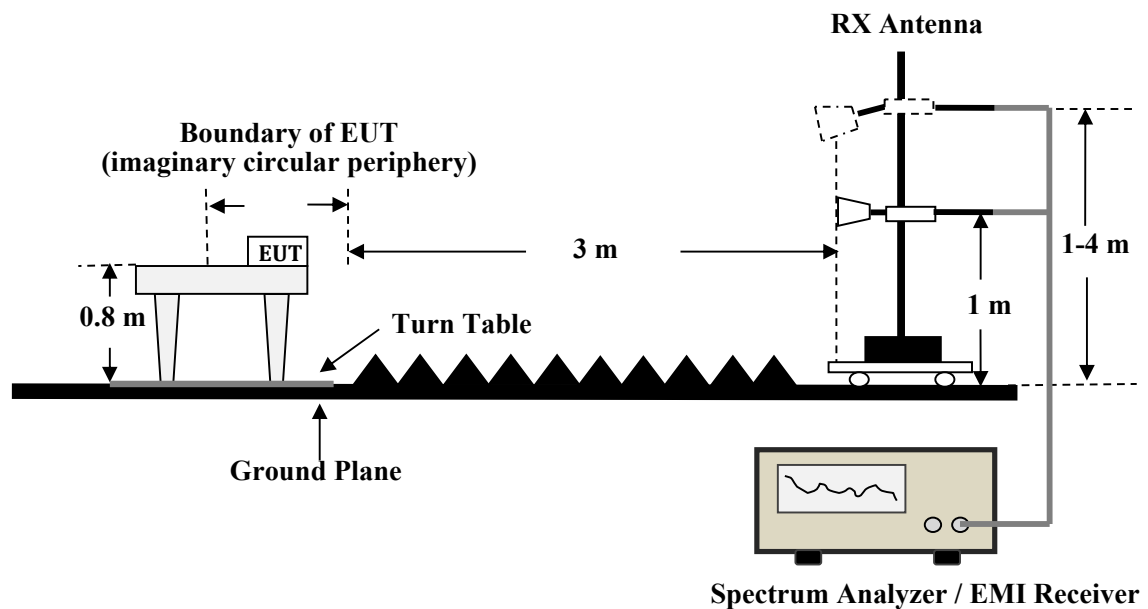
FCC §15.109

EUT Setup

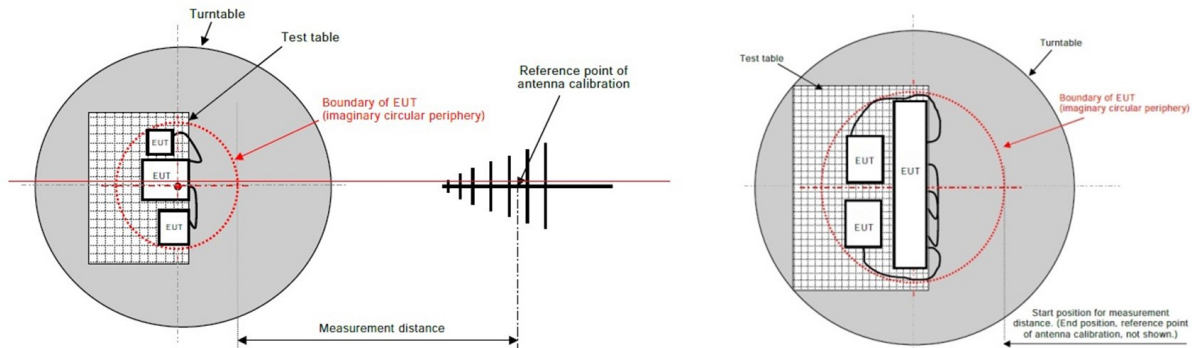
Below 1GHz for Radiated Emissions



Above 1GHz for Radiated Emissions



Radiated Emissions Setup Configuration



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The related limit was specified in FCC Part 15B.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

EMI Test Receiver and Spectrum analyzer Setup

During the radiated emission test, the EMI test receiver and spectrum analyzer setup was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	500 kHz	/	PK
	/	/	120 kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	1 kHz	/	PK

Test Procedure

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

If the emission level of the EUT in Peak mode was 6dB lower than the limit specified, Peak values of EUT will be reported. Otherwise, the emission will be repeated by using the Quasi-Peak method and reported for frequency range below 1GHz.

If emission level of the EUT in Peak measurement mode is 20dB lower than peak limit line (that means the emission level in Peak measurement mode complies with both Peak and average limit lines) then only Peak measurement result is reported. Otherwise, Emission in average measurement mode shall be measured, and reported for frequency range above 1GHz.

Level & Over Limit Calculation

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

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

$$\text{Level} = \text{Read Level} + \text{Factor}$$

The “Over limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over limit of -6 dB means the emission is 6dB below the limit for Class B. The equation for Over Limit calculation is as follows:

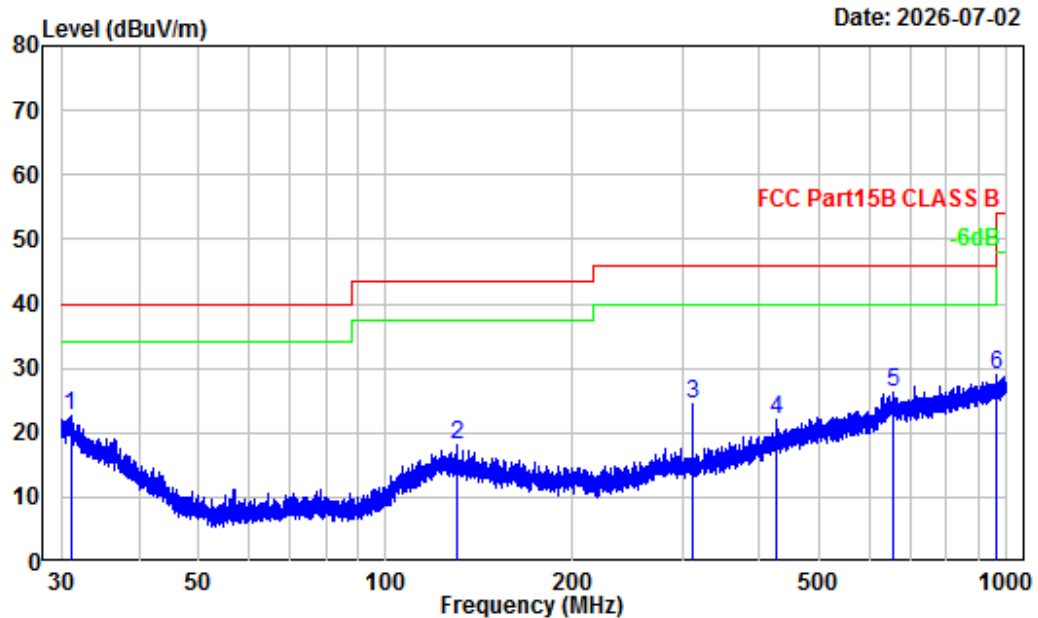
$$\text{Over limit} = \text{Level} - \text{Limit}$$

Test Data

Environmental Conditions

Temperature:	23.6 °C
Relative Humidity:	57~58 %
ATM Pressure:	100.2~101.8 kPa

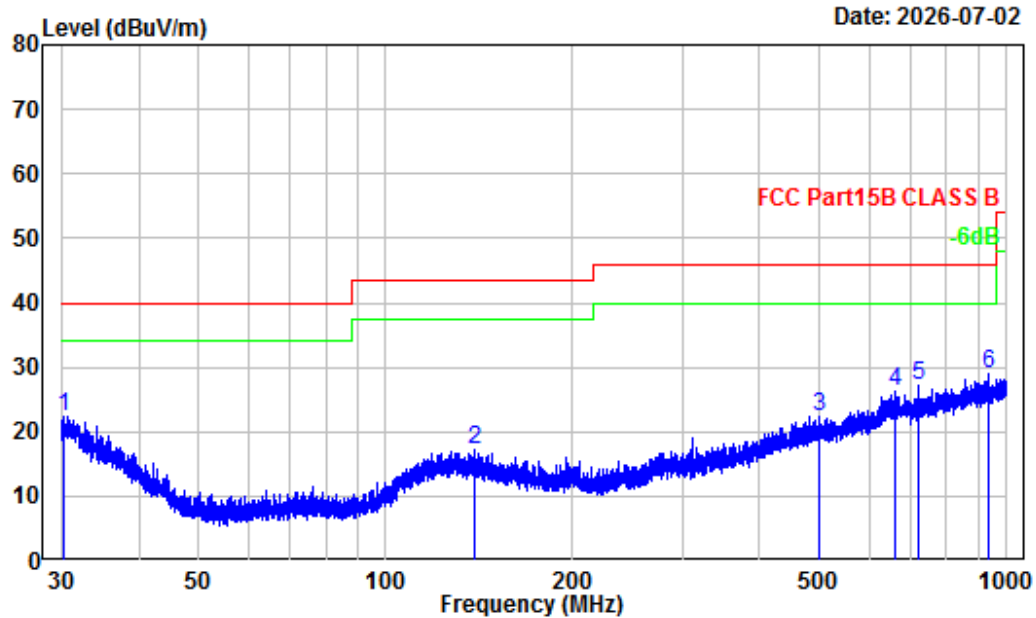
The testing was performed by Alex Yan on 2026-07-02 for below 1GHz and Wing K Ji on 2026-06-27 for above 1GHz.

*Test Mode: Detecting temperature***30 MHz~1 GHz****Horizontal**

Site : Chamber A
Condition : 3m Horizontal
Project Number : 2601U10179E-EM
Test Mode : Detecting temperature
Detector: Peak RBW/VBW: 120/500kHz
Tester : Alex Yan

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	31.057	-6.28	28.95	22.67	40.00	-17.33	Peak
2	130.379	-11.24	29.47	18.23	43.50	-25.27	Peak
3	312.043	-10.89	35.20	24.31	46.00	-21.69	Peak
4	425.961	-7.70	29.59	21.89	46.00	-24.11	Peak
5	658.547	-3.08	29.35	26.27	46.00	-19.73	Peak
6	964.273	-0.12	29.22	29.10	54.00	-24.90	Peak

Vertical

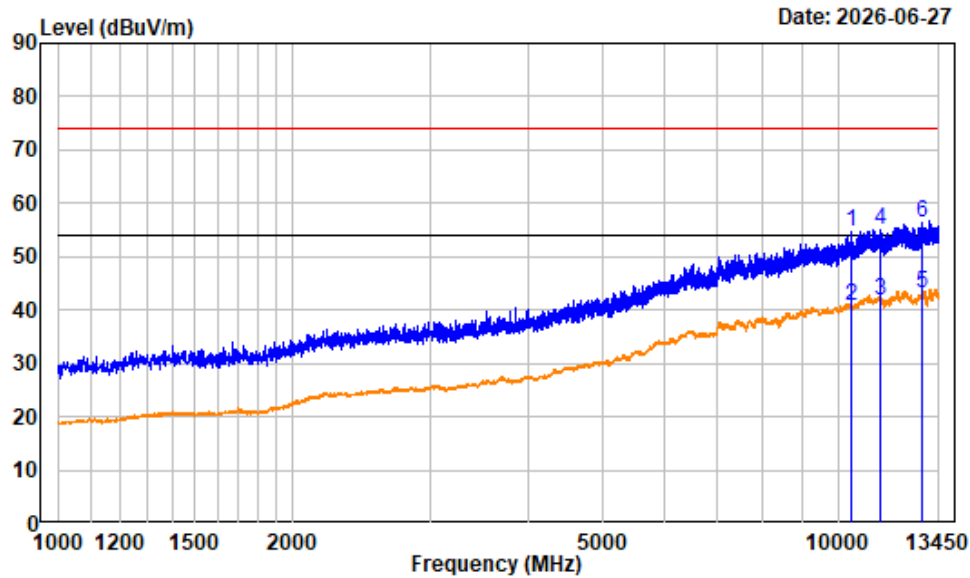


Site : Chamber A
 Condition : 3m Vertical
 Project Number : 2601U10179E-EM
 Test Mode : Detecting temperature
 Detector: Peak RBW/VBW: 120/500kHz
 Tester : Alex Yan

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	30.238	-5.87	28.25	22.38	40.00	-17.62	Peak
2	139.239	-11.77	28.84	17.07	43.50	-26.43	Peak
3	499.644	-5.95	28.26	22.31	46.00	-23.69	Peak
4	659.703	-3.10	29.43	26.33	46.00	-19.67	Peak
5	722.042	-3.21	30.47	27.26	46.00	-18.74	Peak
6	932.272	-0.49	29.38	28.89	46.00	-17.11	Peak

1 ~ 13.45 GHz

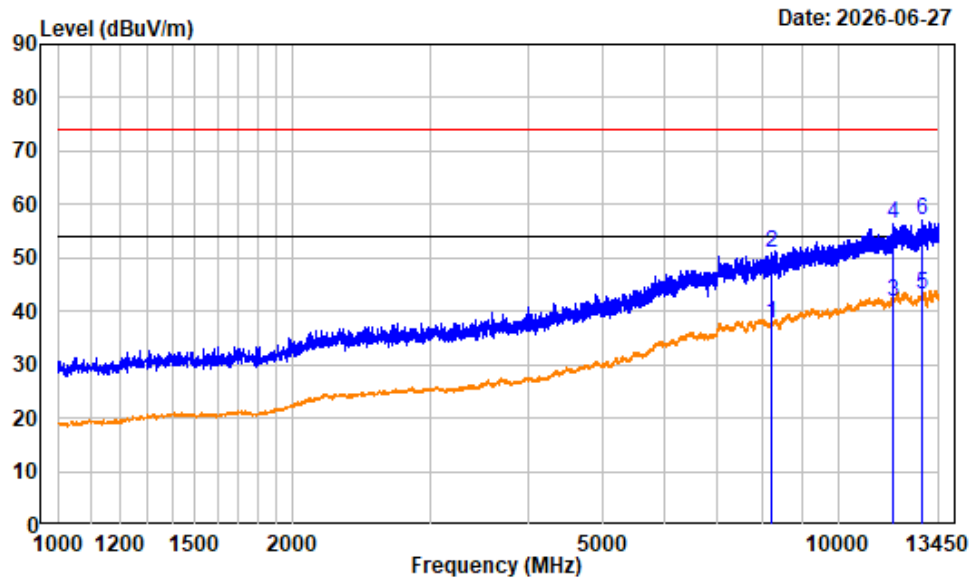
Horizontal



Site : chamber B
Condition : Horizontal
Project Number : 2601U10179E-EM
Test mode : Detecting temperature
Tester : Wing K Ji
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
: Average reading: RBW:1MHz VBW:1kHz Detector:Peak

	Freq	Factor	Read		Limit	Over	Remark
			Level	Level	Line	Limit	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	10363.960	4.71	49.89	54.60	74.00	-19.40	Peak
2	10363.960	4.71	36.00	40.71	54.00	-13.29	Average
3	11289.920	5.79	36.00	41.79	54.00	-12.21	Average
4	11289.920	5.79	49.26	55.05	74.00	-18.95	Peak
5	12815.050	7.40	35.70	43.10	54.00	-10.90	Average
6	12815.050	7.40	48.95	56.35	74.00	-17.65	Peak

Vertical



Site : chamber B
Condition : Vertical
Project Number : 2601U10179E-EM
Test mode : Detecting temperature
Tester : Wing K Ji
Spectrum setting: Peak reading: RBW:1MHz VBW:3MHz Detector:Peak
: Average reading: RBW:1MHz VBW:1kHz Detector:Peak

Freq Factor		Read Level		Limit	Over	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	8191.431	0.75	37.00	37.75	54.00	-16.25 Average
2	8191.431	0.75	50.09	50.84	74.00	-23.16 Peak
3	11756.800	6.34	35.30	41.64	54.00	-12.36 Average
4	11756.800	6.34	50.06	56.40	74.00	-17.60 Peak
5	12830.610	7.50	35.50	43.00	54.00	-11.00 Average
6	12830.610	7.50	49.72	57.22	74.00	-16.78 Peak

EUT PHOTOGRAPHS

Please refer to the attachment 2601U10179E-EM-EXP External photo and 2601U10179E-EM-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2601U10179E-EM-TSP Test Setup photo.

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