

TEST REPORT

Applicant Name: Meizhou Guo Wei Electronics Co., Ltd.
Address: AD1 Section, Economic Development Area, Dongsheng Industrial District, Meizhou, Guangdong, China.
Report Number: 2501V69557E-RFBA1
FCC ID: 2ARRB-VM75GPPU
IC: 20353-VM75GPPU

Test Standard (s)

FCC PART 15.247;
RSS-GEN ISSUE 5, FEBRUARY 2021 AMENDMENT 2; RSS-247 ISSUE 3, AUGUST 2023

Sample Description

Product Type: Video baby monitor
Model No.: VM75 PU
Multiple Model(s) No.: N/A
Trade Mark: Motorola
Date Received: 2025/07/16
Issue Date: 2025/10/15

Test Result:

Pass▲

▲ In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:

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Bruce Lin
RF Engineer

Approved By:

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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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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	2501R50708E-RFB	Original Report	2025/09/03
1	2501V69557E-RFBA1	Class II Permissive Change Report	2025/10/15

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

HVIN	VM75GPAPU
FVIN	N/A
Product	Video baby monitor
Tested Model	VM75 PU
Multiple Model(s)	N/A
Frequency Range	2405-2475MHz
Maximum conducted Peak output power	15.09dBm
Modulation Technique	GFSK
Antenna Specification [#]	1.02dBi(It is provided by the applicant)
Voltage Range	DC 3.6V from battery or DC 5V from adapter
Sample number	36L5-1 for Conducted and Radiated Emissions Test 36L5-2 for RF Conducted Test (Assigned by BACL, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information	Adapter 1(original) Model: AT-538A-050100A Input: AC 100-240V, 50/60Hz 0.2A MAX. Output: DC 5.0V, 1.0A 5.0W Adapter 2(original) Model: EP04-050100WXLZ Input: AC 100-240V, 50/60Hz 0.2A Max. Output: DC 5.0V, 1.0A 5.0W Adapter 3(New) Model: PS05Q050K1000UD Input: AC 100-240V, 50/60Hz 0.25A Max. Output: DC 5.0V, 1.0A 5.0W

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions rules and RSS-247 Issue 3, August 2023, RSS-GEN Issue 5, Feb. 2021 Amendment 2 of the Innovation, Science and Economic Development Canada rules.

This is a CIIPC application based on FCC ID: 2ARRB-VM75GPPU & IC: 20353-VM75GPPU, the details as below:

- (1) Changing the battery:
 - a) The battery shape has been changed from square to cylindrical.
 - b) The battery voltage changed from 3.8V to 3.6V.
 - c) Due to the battery change, the PU structure has been modified (PCBA/Layout remains unchanged).
- (2) Adding an adapter (PS05Q050K1000UD).
- (3) Changing the model number to “VM75 PU”.
- (4) Changing the appearance
- (5) Changing the HVIN to “VM75GPAPU”

Based on above differences, it will affect the test data “AC Line Conducted Emissions and Radiated Emissions for below 1GHz”, so the changed items were performed, and we also update related photos in the report. Other test data and photo please refer to the report 2501R50708E-RFB.

Test Methodology

All measurements contained in this report were conducted with C63.10-2020 + Cor.1-2023▼, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and RSS-247 Issue 3, August 2023, RSS-GEN Issue 5, Feb. 2021 Amendment 2 of the Innovation, Science and Economic Development Canada rules.

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.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		109.2kHz(k=2, 95% level of confidence)
RF Frequency		56.6Hz(k=2, 95% level of confidence)
RF output power, conducted		0.86dB(k=2, 95% level of confidence)
Unwanted Emission, conducted		1.60dB(k=2, 95% level of confidence)
AC Power Lines Conducted Emissions	9 kHz~150 KHz	3.63dB(k=2, 95% level of confidence)
	150 kHz ~30MHz	3.66dB(k=2, 95% level of confidence)
Radiated Emissions	9kHz - 30MHz	3.60dB(k=2, 95% level of confidence)
	30MHz~200MHz (Horizontal)	5.32dB(k=2, 95% level of confidence)
	30MHz~200MHz (Vertical)	5.43dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Horizontal)	5.77dB(k=2, 95% level of confidence)
	200MHz~1000MHz (Vertical)	5.73dB(k=2, 95% level of confidence)
	1GHz - 6GHz	5.34dB(k=2, 95% level of confidence)
	6GHz - 18GHz	5.40dB(k=2, 95% level of confidence)
	18GHz - 40GHz	5.64dB(k=2, 95% level of confidence)
Temperature		±1°C
Humidity		±1%
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.

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, FCC Registration No. : 715558, the FCC Designation No. : CN5045.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0023.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in an engineering mode.

Channel List[#]

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2405	9	2424	18	2444	27	2467
1	2407	10	2426	19	2446	28	2469
2	2409	11	2428	20	2450	29	2471
3	2411	12	2430	21	2452	30	2473
4	2413	13	2433	22	2454	31	2475
5	2415	14	2435	23	2456	/	/
6	2418	15	2437	24	2458.5	/	/
7	2420	16	2439	25	2460.5	/	/
8	2422	17	2441	26	2462.5	/	/
. EUT was test in channel 0, 16, 31.							

EUT Exercise Software

Test in the engineering mode and the power level is Default[#]. The power level was provided by the manufacturer.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

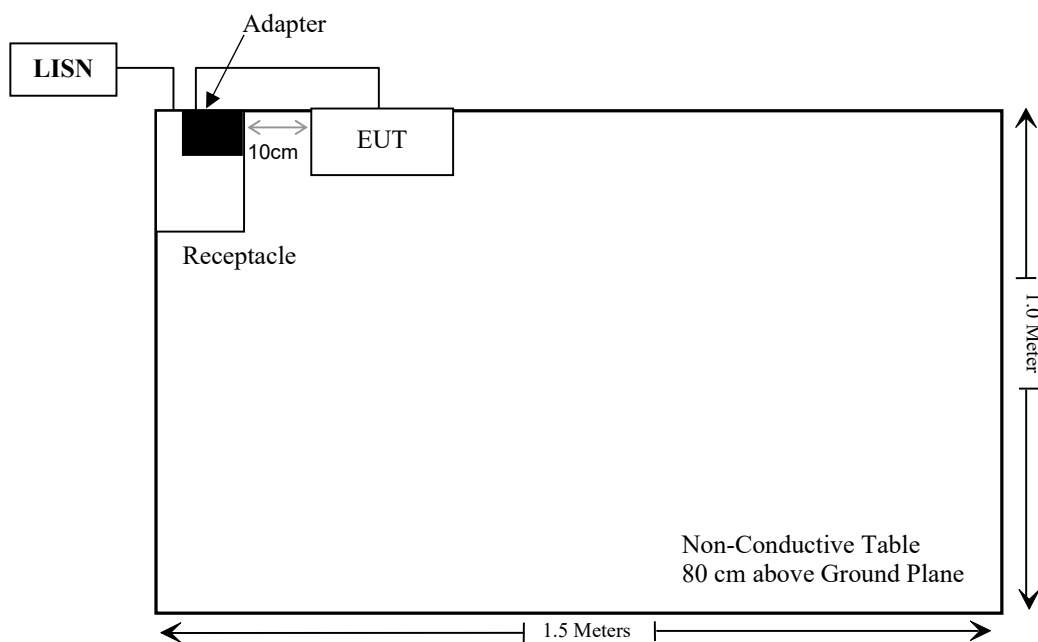
Manufacturer	Description	Model	Serial Number
OUPU	Receptacle	PDU-OP1606K	6971041358020

External I/O Cable

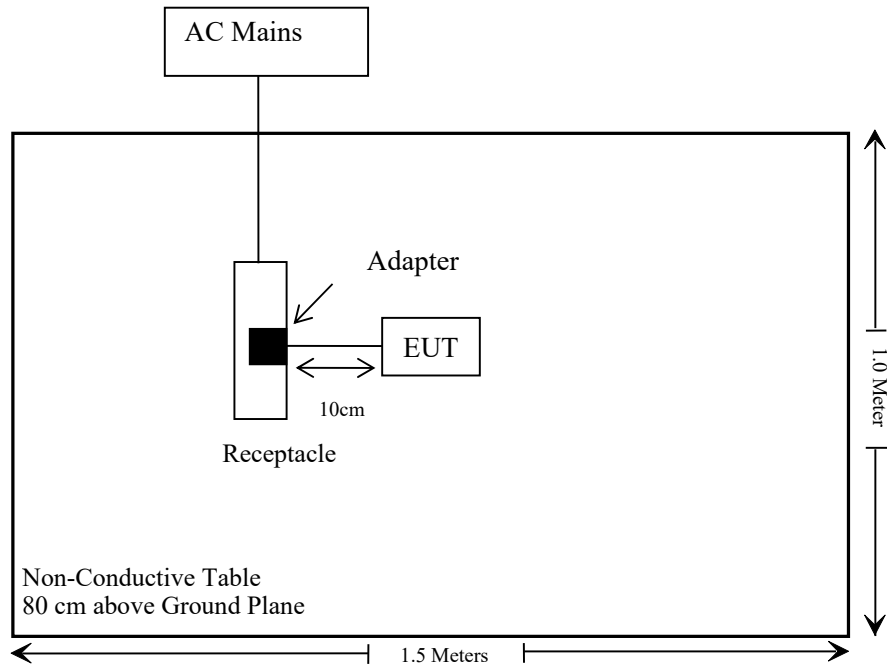
Cable Description	Length (m)	From Port	To
Unshielded detachable AC cable	1.2	AC mains/LISN	Receptacle
Unshielded detachable DC cable	1.2	Adapter	EUT

Block Diagram of Test Setup

For Conducted Emission



For Radiated Emissions below 1GHz:



SUMMARY OF TEST RESULTS

FCC Rules	ISED Rules	Description of Test	Result
§ 1.1307 & 2.1093	RSS-102	RF EXPOSURE	Compliant
§15.203	RSS-Gen §6.8	Antenna Requirement	Compliant
§15.207(a)	RSS-Gen §8.8	AC Line Conducted Emissions	Compliant
§15.205, §15.209 & §15.247(d)	RSS-247 § 5.5	Radiated Emissions	Compliant
§15.247(a)(1)	RSS- Gen§6.7, RSS-247 § 5.1 (a)	99% Occupied Bandwidth & 20 dB Emission Bandwidth	Compliant*
§15.247(a)(1)	RSS-247 § 5.1 (b)	Channel Separation Test	Compliant*
§15.247(a)(1)(iii)	RSS-247 § 5.1 (d)	Time of Occupancy (Dwell Time)	Compliant*
§15.247(a)(1)(iii)	RSS-247 § 5.1 (d)	Quantity of hopping channel Test	Compliant*
§15.247(b)(1)	RSS-247 § 5.1(b) & § 5.4(b)	Peak Output Power Measurement	Compliant*
§15.247(d)	RSS-247 § 5.5	Band edges	Compliant*

Compliant*: Please refer to the report 2501R50708E-RFB.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESCI	101120	2024/12/04	2025/12/03
Rohde & Schwarz	LISN	ENV216	101613	2024/12/04	2025/12/03
Rohde & Schwarz	Transient Limiter	ESH3Z2	DE25985	2025/04/29	2026/04/28
Unknown	CE Cable	Unknown	UF A210B-1-0720-504504	2025/04/29	2026/04/28
Audix	EMI Test software	E3	191218(V9)	NCR	NCR
Radiated Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	102455	2024/12/04	2025/12/03
Sonoma instrument	Pre-amplifier	310 N	186238	2025/04/29	2026/04/28
Sunol Sciences	Broadband Antenna	JB1	A040904-1	2023/07/20	2026/07/19
Unknown	Cable	Chamber A Cable 1	N/A	2025/04/29	2026/04/28
Unknown	Cable	XH500C	J-10M-A	2025/04/29	2026/04/28
BACL	Active Loop Antenna	1313-1A	4031911	2024/05/14	2027/05/13
Unknown	Cable	2Y194	0735	2024/12/04	2025/12/03
Unknown	Cable	PNG214	1354	2024/12/04	2025/12/03
Audix	EMI Test software	E3	19821b(V9)	NCR	NCR

* **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 §1.1307 & §2.1093 - RF EXPOSURE

Applicable Standard

FCC§1.1307 and §2.1093.

Test Result

Compliant, please refer to the SAR report: 2501V69553E-SAA.

RSS-102 - RF EXPOSURE

Applicable Standard

According to RSS-102 Issue 6, 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 guideline.

Result: Compliant

Please refer to SAR Report Number: 2501V69553E-SAB.

FCC §15.203 & RSS-GEN §6.8 - 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. 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.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

Antenna Connector Construction

The EUT has one integral antenna arrangements which were permanently attached and the gain is 1.02dBi, fulfill the requirement of this section. Please refer to the EUT photos.

Type	Antenna Gain [#]	Impedance
Monopole	1.02dBi	50Ω

Result: Compliant

FCC §15.207 (a) & RSS-GEN §8.8 - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a) & RSS-Gen §8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μ H / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

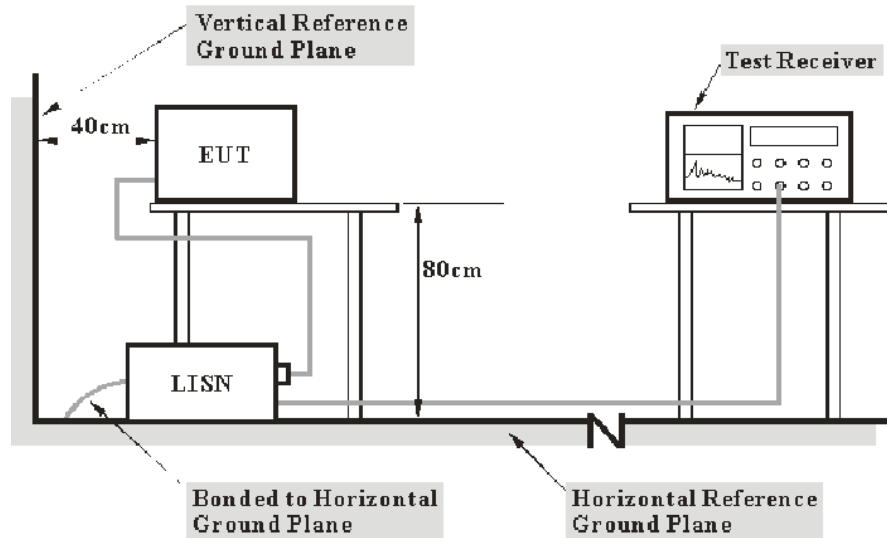
Table 4 - AC Power Lines Conducted Emission Limits		
Frequency range (MHz)	Conducted limit (dBμV)	
	Quasi-Peak	Average
0.15 – 0.5	66 to 56 ¹	56 to 46 ¹
0.5 – 5	56	46
5 – 30	60	50

Note 1: The level decreases linearly with the logarithm of the frequency.

For an EUT with a permanent or detachable antenna operating between 150 kHz and 30 MHz, the AC power-line conducted emissions must be measured using the following configurations:

- Perform the AC power-line conducted emissions test with the antenna connected to determine compliance with the limits of table 4 outside the transmitter's fundamental emission band.
- Retest with a dummy load instead of the antenna to determine compliance with the limits of table 4 within the transmitter's fundamental emission band. For a detachable antenna, remove the antenna and connect a suitable dummy load to the antenna connector. For a permanent antenna, remove the antenna and terminate the RF output with a dummy load or network that simulates the antenna in the fundamental frequency band.

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 and RSS-Gen limits.

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 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	RBW
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.

Factor & Over Limit Calculation

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

$$\text{Factor} = \text{LISN VDF} + \text{Cable Loss}$$

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:

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

Note: The term "cable loss" refers to the combination of a cable and a 10dB transient limiter (attenuator).

Test Data

Environmental Conditions

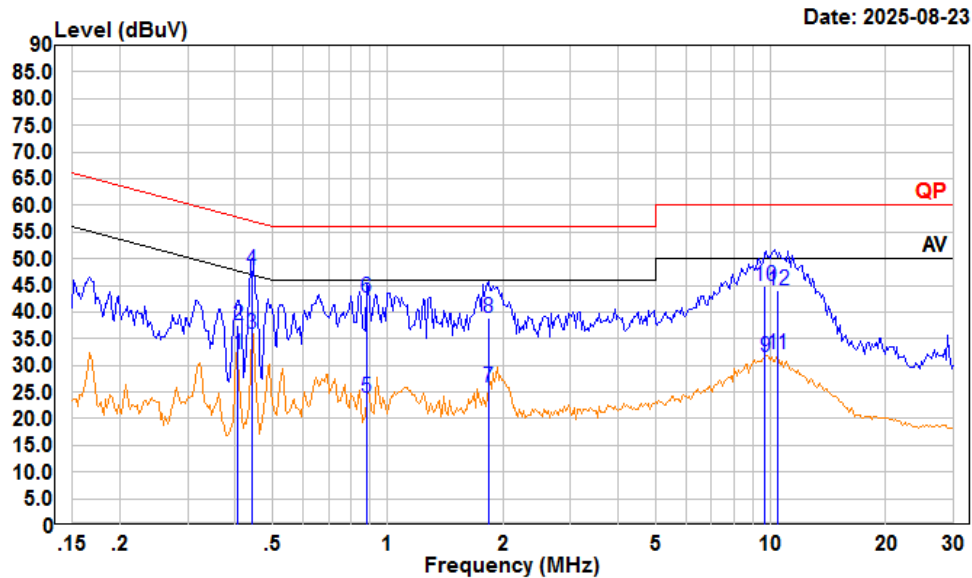
Temperature:	25~26 °C
Relative Humidity:	50~61 %
ATM Pressure:	101~102 kPa

The testing was performed by Macy Shi from 2025-08-23 to 2025-08-26.

EUT operation mode: Transmitting (Maximum output power mode, Low channel)

For Adapter 1

AC 120V/60 Hz, Line



Trace: 1

Condition: Line

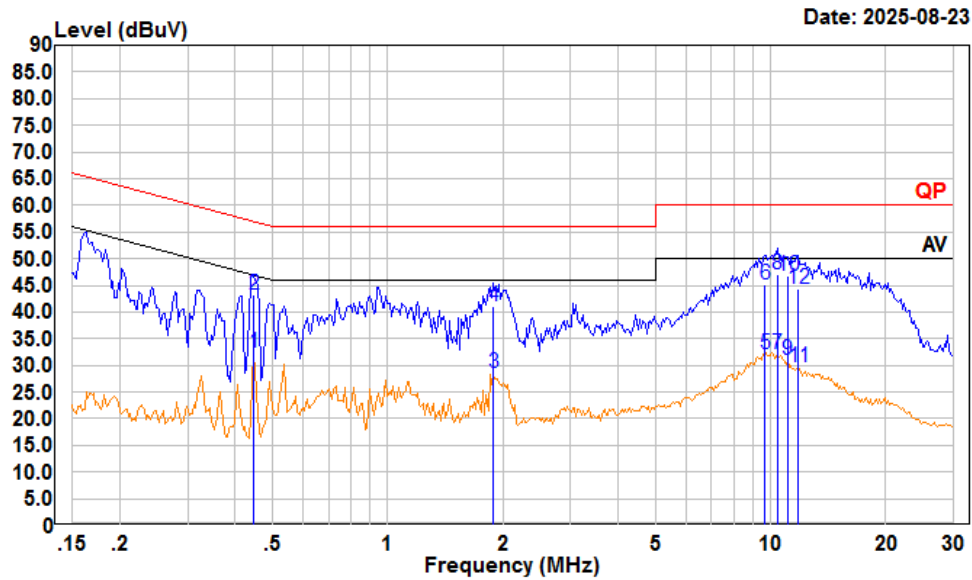
Project : 2501V69557E-RFA1

tester : Macy.shi Note:Transmitting

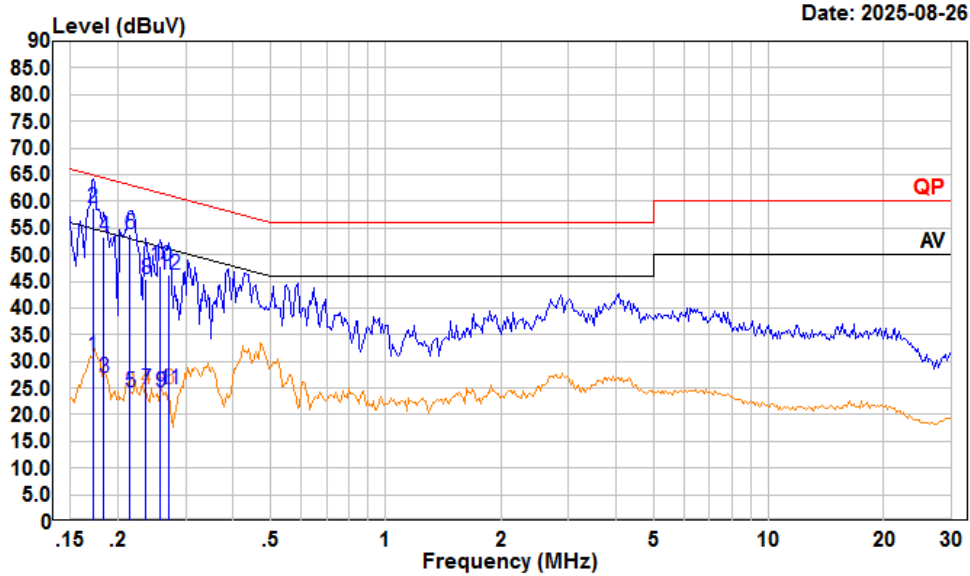
Setting : RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.406	11.25	32.02	10.55	10.22	47.73	-15.71	Average
2	0.406	16.79	37.56	10.55	10.22	57.73	-20.17	QP
3	0.442	15.11	35.84	10.53	10.20	47.02	-11.18	Average
4	0.442	27.10	47.83	10.53	10.20	57.02	-9.19	QP
5	0.880	3.06	23.99	10.71	10.22	46.00	-22.01	Average
6	0.880	21.90	42.83	10.71	10.22	56.00	-13.17	QP
7	1.829	4.47	25.73	11.04	10.22	46.00	-20.27	Average
8	1.829	17.70	38.96	11.04	10.22	56.00	-17.04	QP
9	9.654	10.89	31.48	10.33	10.26	50.00	-18.52	Average
10	9.654	24.20	44.79	10.33	10.26	60.00	-15.21	QP
11	10.397	11.51	32.07	10.30	10.26	50.00	-17.93	Average
12	10.397	23.50	44.06	10.30	10.26	60.00	-15.94	QP

AC 120V/60 Hz, Neutral



	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.447	11.55	32.29	10.54	10.20	46.93	-14.64	Average
2	0.447	22.60	43.34	10.54	10.20	56.93	-13.59	QP
3	1.888	7.65	28.59	10.71	10.23	46.00	-17.41	Average
4	1.888	20.19	41.13	10.71	10.23	56.00	-14.87	QP
5	9.654	11.30	32.07	10.51	10.26	50.00	-17.93	Average
6	9.654	24.40	45.17	10.51	10.26	60.00	-14.83	QP
7	10.397	11.30	32.04	10.48	10.26	50.00	-17.96	Average
8	10.397	26.40	47.14	10.48	10.26	60.00	-12.86	QP
9	11.080	10.20	30.91	10.45	10.26	50.00	-19.09	Average
10	11.080	26.20	46.91	10.45	10.26	60.00	-13.09	QP
11	11.807	8.89	29.57	10.42	10.26	50.00	-20.43	Average
12	11.807	23.60	44.28	10.42	10.26	60.00	-15.72	QP

For Adapter 2
AC 120V/60 Hz, Line

Trace: 1

Condition: Line

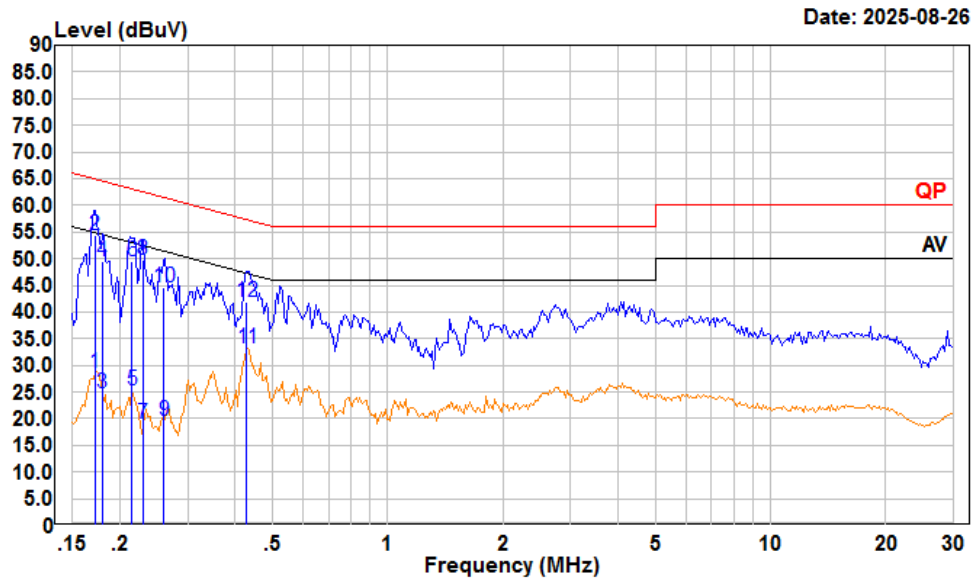
Project : 2501V69557E-RFA1

tester : Macy.shi Note:Transmitting

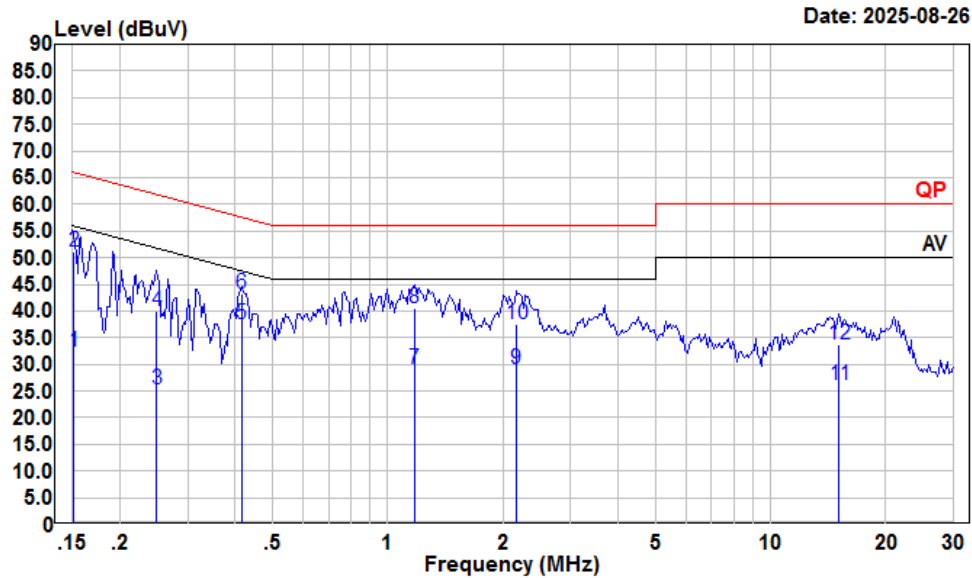
Setting : RBW:9kHz

	Freq	Read Level	Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.172	10.15	30.88	10.54	10.19	54.86	-23.98	Average
2	0.172	38.10	58.83	10.54	10.19	64.86	-6.03	QP
3	0.183	6.12	26.92	10.61	10.19	54.33	-27.41	Average
4	0.183	32.60	53.40	10.61	10.19	64.33	-10.93	QP
5	0.215	3.34	24.21	10.68	10.19	53.01	-28.80	Average
6	0.215	33.11	53.98	10.68	10.19	63.01	-9.03	QP
7	0.237	3.99	24.85	10.66	10.20	52.22	-27.37	Average
8	0.237	24.50	45.36	10.66	10.20	62.22	-16.86	QP
9	0.258	3.24	24.08	10.64	10.20	51.51	-27.43	Average
10	0.258	27.10	47.94	10.64	10.20	61.51	-13.57	QP
11	0.272	3.80	24.63	10.63	10.20	51.07	-26.44	Average
12	0.272	25.50	46.33	10.63	10.20	61.07	-14.74	QP

AC 120V/60 Hz, Neutral



	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.172	7.73	28.51	10.59	10.19	54.86	-26.35	Average
2	0.172	33.60	54.38	10.59	10.19	64.86	-10.48	QP
3	0.180	3.93	24.77	10.65	10.19	54.50	-29.73	Average
4	0.180	28.60	49.44	10.65	10.19	64.50	-15.06	QP
5	0.215	4.27	25.24	10.78	10.19	53.01	-27.77	Average
6	0.215	28.60	49.57	10.78	10.19	63.01	-13.44	QP
7	0.229	-1.86	19.10	10.76	10.20	52.48	-33.38	Average
8	0.229	28.69	49.65	10.76	10.20	62.48	-12.83	QP
9	0.260	-1.37	19.54	10.71	10.20	51.42	-31.88	Average
10	0.260	23.70	44.61	10.71	10.20	61.42	-16.81	QP
11	0.428	12.33	33.09	10.55	10.21	47.29	-14.20	Average
12	0.428	21.20	41.96	10.55	10.21	57.29	-15.33	QP

For Adapter 3
AC 120V/60 Hz, Line

Condition: Line

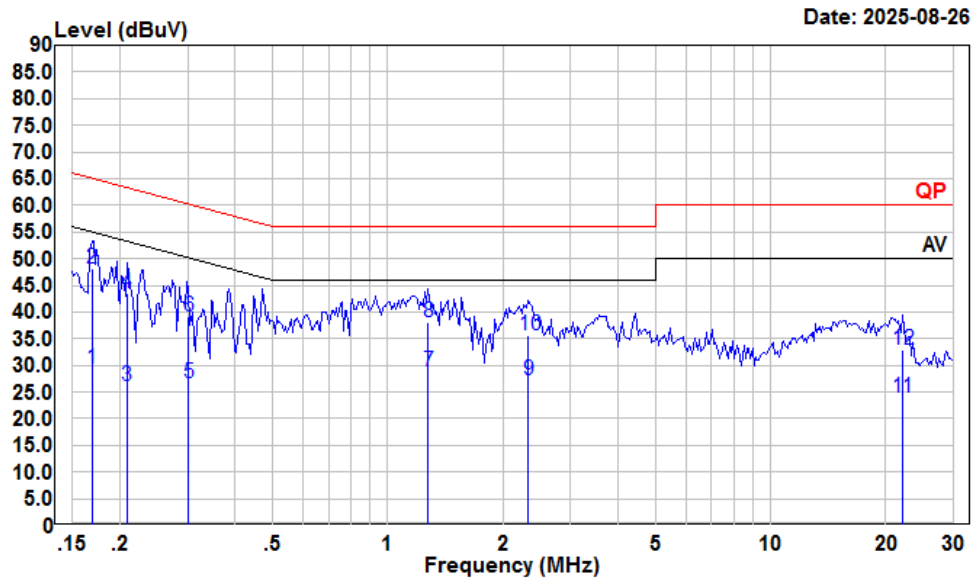
Project : 2501V69557E-RFA1

tester : Macy.shi Note:Transmitting

Setting : RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.152	11.73	32.30	10.41	10.16	55.91	-23.61	Average
2	0.152	30.61	51.18	10.41	10.16	65.91	-14.73	QP
3	0.249	4.40	25.25	10.65	10.20	51.78	-26.53	Average
4	0.249	19.12	39.97	10.65	10.20	61.78	-21.81	QP
5	0.415	16.73	37.48	10.54	10.21	47.55	-10.07	Average
6	0.415	22.40	43.15	10.54	10.21	57.55	-14.40	QP
7	1.172	8.24	29.12	10.71	10.17	46.00	-16.88	Average
8	1.172	19.54	40.42	10.71	10.17	56.00	-15.58	QP
9	2.167	7.85	29.17	11.08	10.24	46.00	-16.83	Average
10	2.167	16.32	37.64	11.08	10.24	56.00	-18.36	QP
11	15.066	5.55	26.13	10.31	10.27	50.00	-23.87	Average
12	15.066	13.16	33.74	10.31	10.27	60.00	-26.26	QP

AC 120V/60 Hz, Neutral



Condition: Neutral

Project : 2501V69557E-RFA1

tester : Macy.shi Note:Transmitting

Setting : RBW:9kHz

	Freq	Read Level	LISN Level	LISN Factor	Cable Loss	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dB	dBuV	dB	
1	0.169	8.76	29.51	10.56	10.19	55.03	-25.52	Average
2	0.169	27.38	48.13	10.56	10.19	65.03	-16.90	QP
3	0.208	5.09	26.07	10.79	10.19	53.27	-27.20	Average
4	0.208	22.61	43.59	10.79	10.19	63.27	-19.68	QP
5	0.302	5.81	26.67	10.67	10.19	50.19	-23.52	Average
6	0.302	18.25	39.11	10.67	10.19	60.19	-21.08	QP
7	1.276	7.89	28.82	10.76	10.17	46.00	-17.18	Average
8	1.276	17.22	38.15	10.76	10.17	56.00	-17.85	QP
9	2.334	6.28	27.29	10.77	10.24	46.00	-18.71	Average
10	2.334	14.67	35.68	10.77	10.24	56.00	-20.32	QP
11	22.063	2.70	23.95	11.00	10.25	50.00	-26.05	Average
12	22.063	11.78	33.03	11.00	10.25	60.00	-26.97	QP

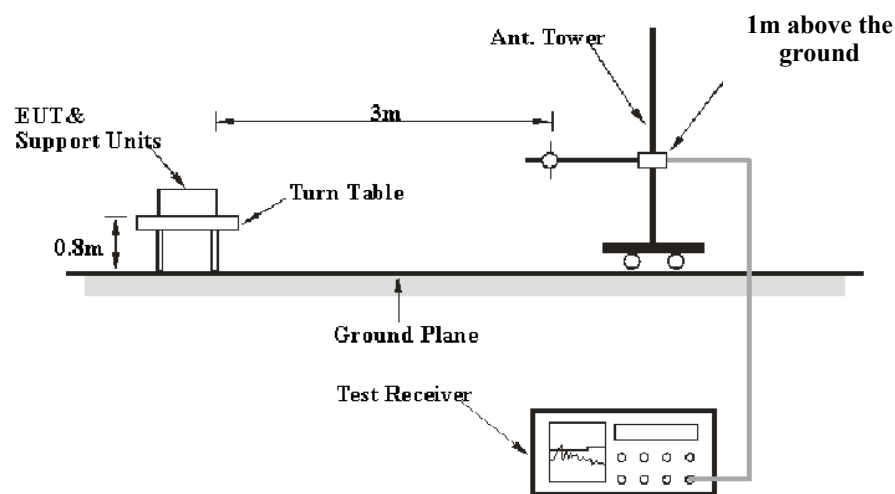
FCC §15.205, §15.209 & §15.247(d) & RSS-247§ 5.5 - RADIATED EMISSIONS

Applicable Standard

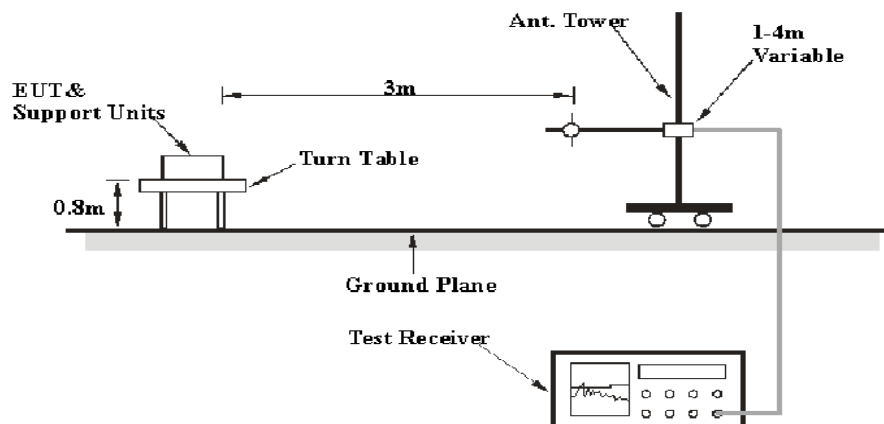
FCC §15.205; §15.209; §15.247(d); RSS-247§ 5.5; RSS-GEN § 8.10

EUT Setup

9 kHz-30MHz:



30MHz-1GHz:



EMI Test Receiver & Spectrum Analyzer Setup

The EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

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

Test Procedure

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

All final data was recorded in Quasi-peak detection mode except for the frequency bands 9–90 kHz, 110–490 kHz, average detection modes for frequency bands 9–90 kHz and 110–490 kHz.

For 9 kHz-30MHz, the report shall list the six emissions with the smallest margin relative to the limit, for each of the three antenna orientations (parallel, perpendicular, and ground-parallel) unless the margin is greater than 20 dB.

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.

All emissions under the average limit and under the noise floor have not recorded in the report.

Factor & Over Limit/Margin Calculation

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:	25.4 °C
Relative Humidity:	48 %
ATM Pressure:	100.1 kPa

The testing was performed by Anson Su on 2025-08-28 for below 1GHz.

EUT operation mode: Transmitting

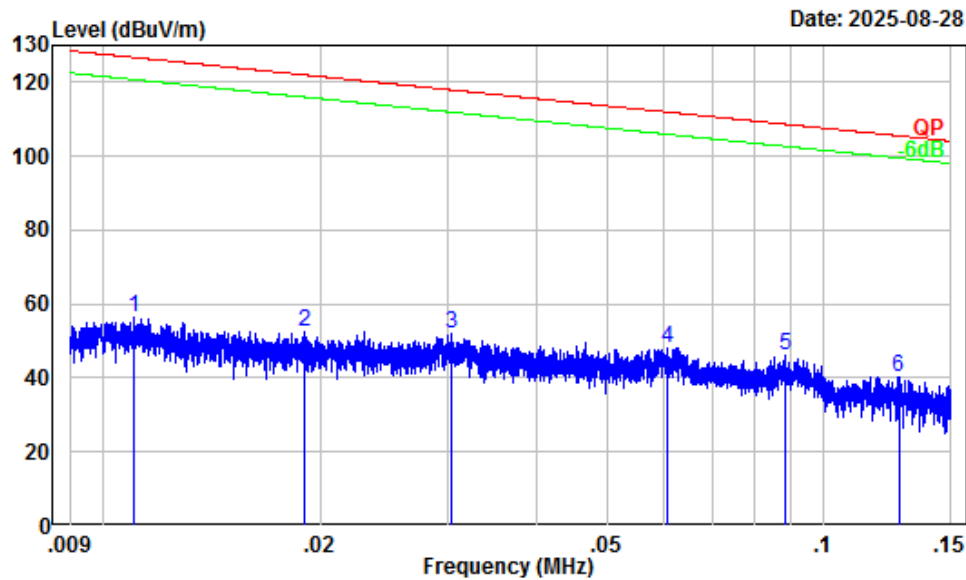
Note:

- 1. Pre-scan in the X, Y and Z axes of orientation, the worst case X-axis of orientation was recorded.*
- 2. The spurious emission from 9 kHz-30MHz of IC RSS-Gen standard, the unit of final result on the test plots are dB μ V/m, so the limit should be added by 51,5 dB from dB μ A/m to dB μ V/m.*
- 3. For 9kHz-1GHz, when the test result of peak was less than the limit of QP/Average more than 6dB, just peak value were recorded.*

For Adapter 1

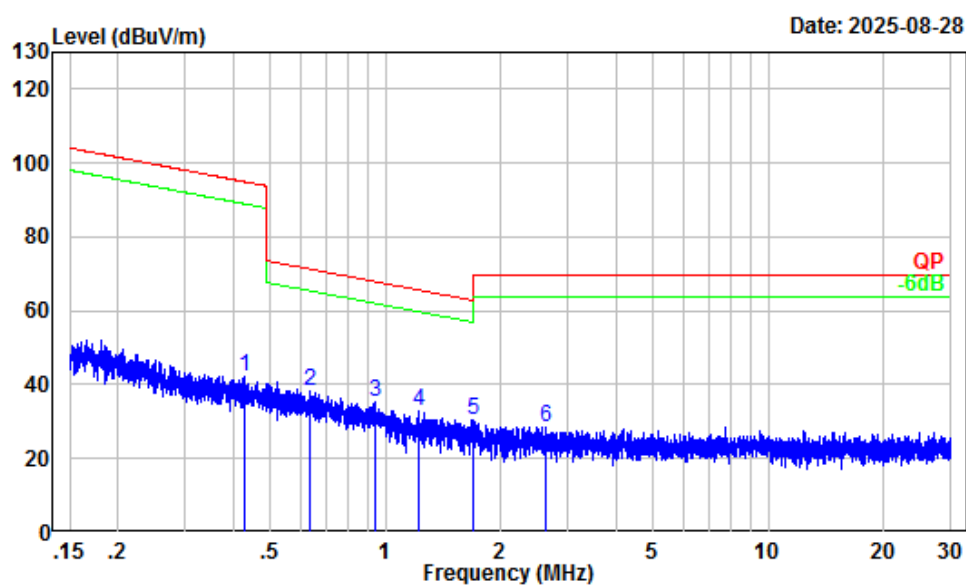
9 kHz-30MHz: (Maximum output power mode, Low channel)

Parallel (worst case)



Site : Chamber A
Condition : 3m
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.011	32.10	24.53	56.63	126.74	-70.11	Peak
2	0.019	30.59	21.77	52.36	122.02	-69.66	Peak
3	0.030	28.45	23.40	51.85	117.92	-66.07	Peak
4	0.061	25.34	22.68	48.02	111.95	-63.93	Peak
5	0.088	22.82	23.15	45.97	108.69	-62.72	Peak
6	0.127	20.41	19.94	40.35	105.53	-65.18	Peak

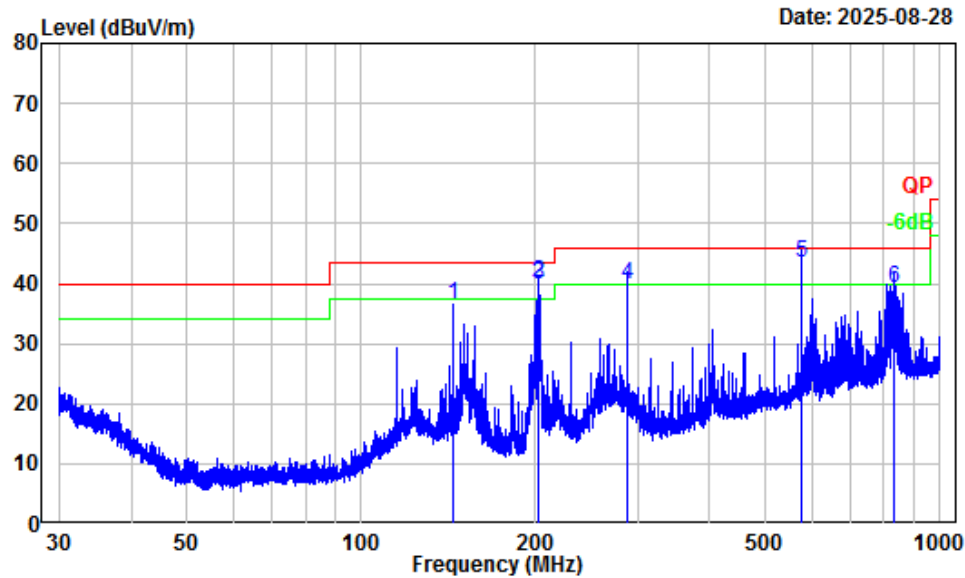


Site : Chamber A
 Condition : 3m
 Project Number : 2501V69557E-RFA1
 Test Mode : Transmitting
 Detector: Peak RBW/VBW: 10/30kHz
 Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.428	7.76	34.62	42.38	94.97	-52.59	Peak
2	0.634	4.74	33.62	38.36	71.51	-33.15	Peak
3	0.944	1.62	33.59	35.21	67.98	-32.77	Peak
4	1.222	0.58	32.05	32.63	65.70	-33.07	Peak
5	1.705	-0.77	31.42	30.65	62.74	-32.09	Peak
6	2.620	-1.94	30.50	28.56	69.54	-40.98	Peak

30MHz-1GHz: (Maximum output power mode, Low channel)

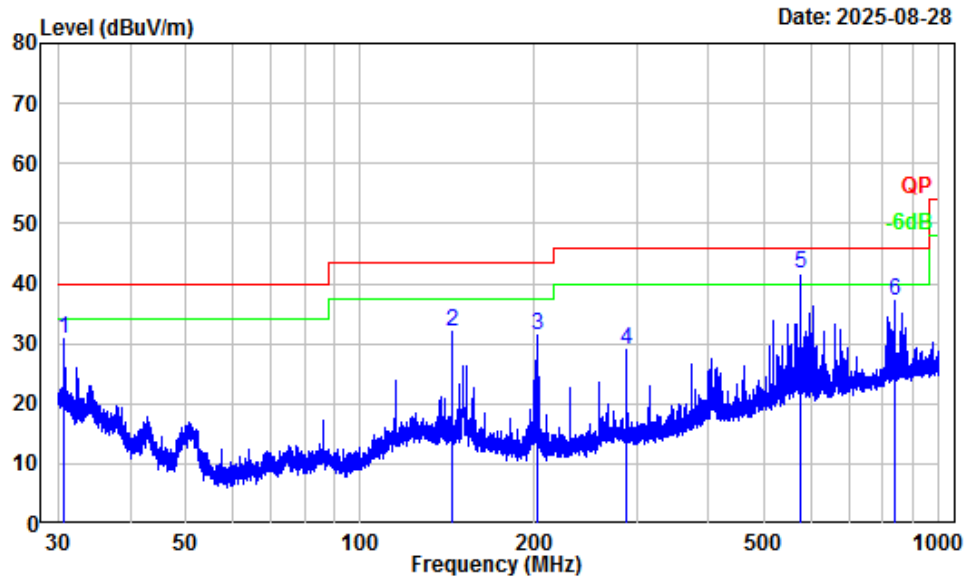
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	144.02	-12.18	48.58	36.40	43.50	-7.10	Peak
2	201.66	-13.18	53.29	40.11	43.50	-3.39	QP
3	202.90	-13.28	53.20	39.92	43.50	-3.58	QP
4	288.12	-11.22	51.00	39.78	46.00	-6.22	QP
5	576.39	-5.26	48.61	43.35	46.00	-2.65	QP
6	831.49	-1.90	41.20	39.30	46.00	-6.70	QP

Vertical

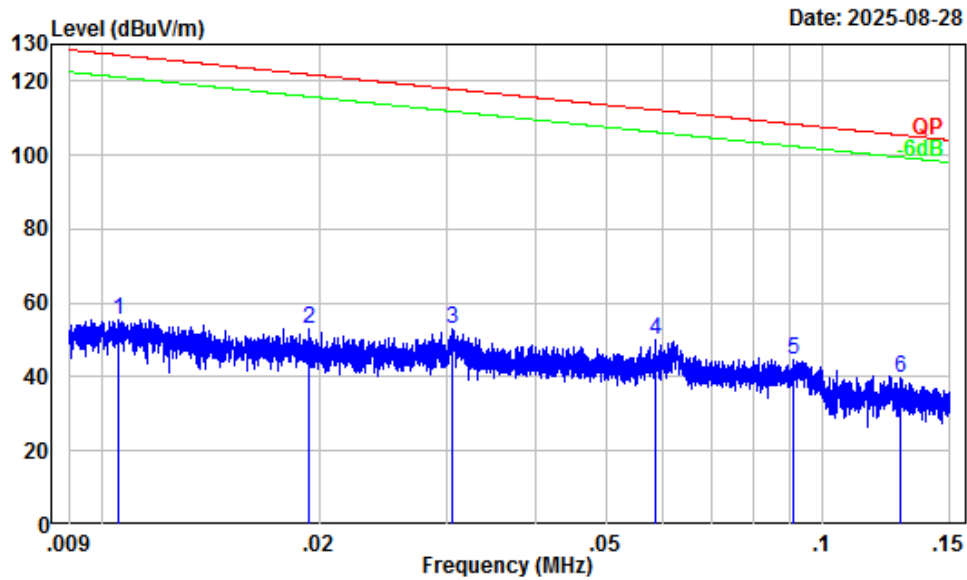


Site : Chamber A
Condition : 3m Vertical
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq Factor		Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	30.83	-6.38	37.11	30.73	40.00	-9.27	Peak
2	144.02	-12.18	44.06	31.88	43.50	-11.62	Peak
3	201.66	-13.18	44.46	31.28	43.50	-12.22	Peak
4	287.99	-11.22	40.31	29.09	46.00	-16.91	Peak
5	576.14	-5.25	46.80	41.55	46.00	-4.45	QP
6	837.71	-1.83	39.02	37.19	46.00	-8.81	Peak

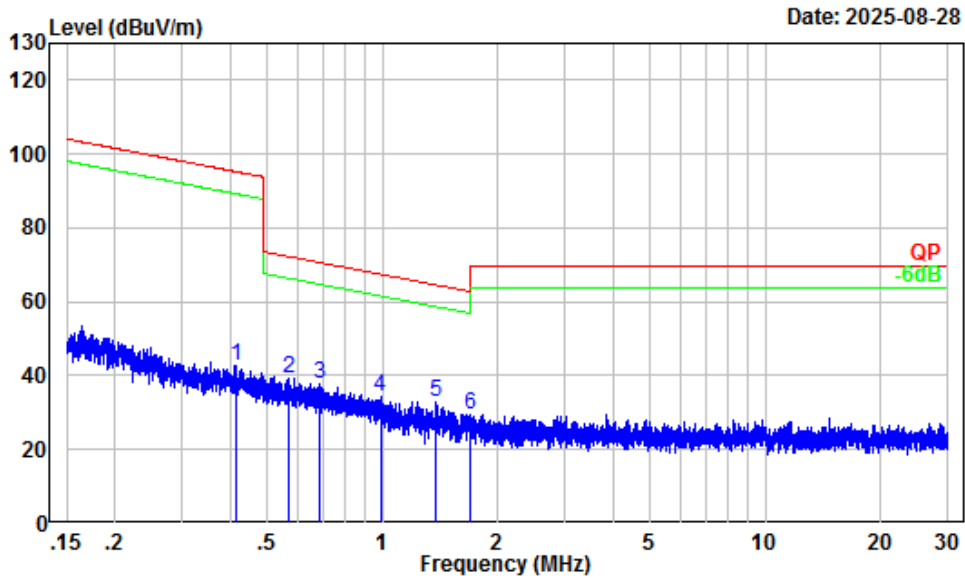
For Adapter 2**9 kHz-30MHz:** (Maximum output power mode, Low channel)

Parallel (worst case)



Site : Chamber A
Condition : 3m
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Anson Su

	Freq Factor		Read	Limit	Over	Remark
	MHz	dB/m	Level	Level	Line	
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	0.011	32.20	23.28	55.48	127.15	-71.67 Peak
2	0.019	30.52	22.41	52.93	121.87	-68.94 Peak
3	0.031	28.43	24.70	53.13	117.87	-64.74 Peak
4	0.059	25.54	24.67	50.21	112.24	-62.03 Peak
5	0.091	22.62	21.83	44.45	108.41	-63.96 Peak
6	0.128	20.34	19.52	39.86	105.45	-65.59 Peak

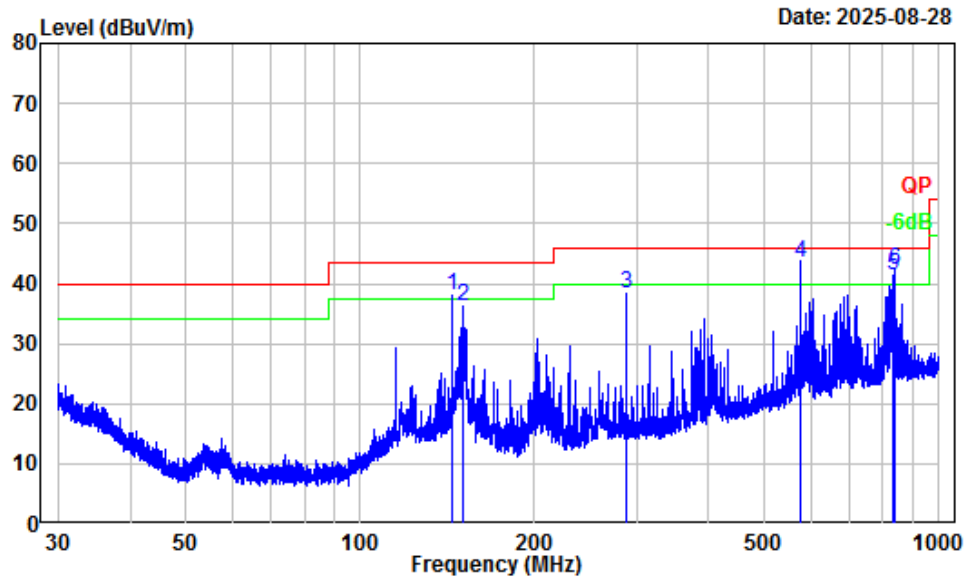


Site : Chamber A
Condition : 3m
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 10/30kHz
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.414	8.03	34.68	42.71	95.26	-52.55	Peak
2	0.569	5.54	33.84	39.38	72.47	-33.09	Peak
3	0.685	4.12	33.56	37.68	70.83	-33.15	Peak
4	0.988	1.29	32.87	34.16	67.58	-33.42	Peak
5	1.385	0.12	32.77	32.89	64.59	-31.70	Peak
6	1.699	-0.76	30.38	29.62	62.77	-33.15	Peak

30MHz-1GHz: (Maximum output power mode, Low channel)

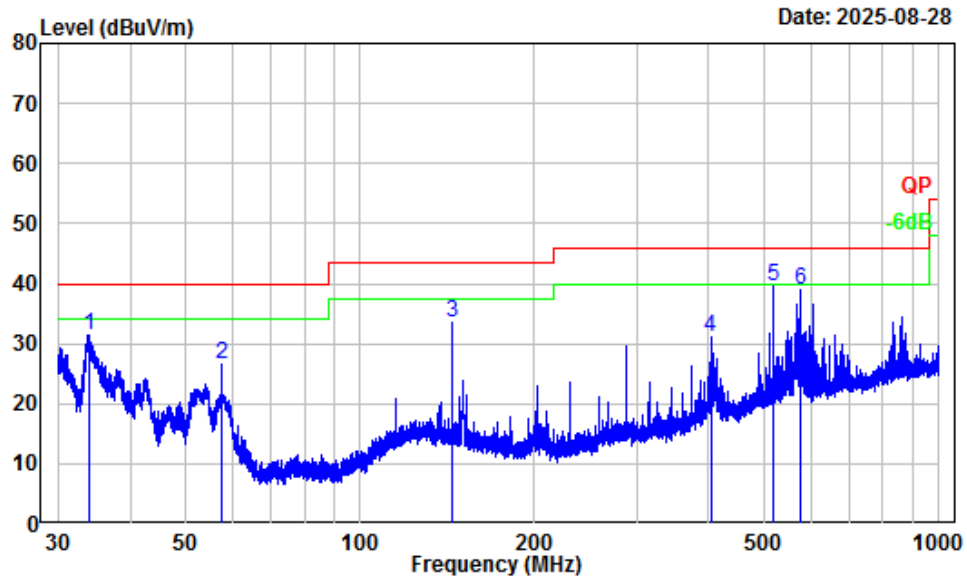
Horizontal



Site : Chamber A
 Condition : 3m Horizontal
 Project Number : 2501V69557E-RFA1
 Test Mode : Transmitting
 Detector: Peak RBW/VBW: 100/300kHz
 Tester : Anson Su

	Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	144.02	-12.18	50.37	38.19	43.50	-5.31	Peak
2	150.67	-12.46	48.71	36.25	43.50	-7.25	Peak
3	288.12	-11.22	49.46	38.24	46.00	-7.76	Peak
4	576.14	-5.25	48.70	43.45	46.00	-2.55	QP
5	831.49	-1.90	43.18	41.28	46.00	-4.72	Peak
6	838.08	-1.82	44.08	42.26	46.00	-3.74	Peak

Vertical



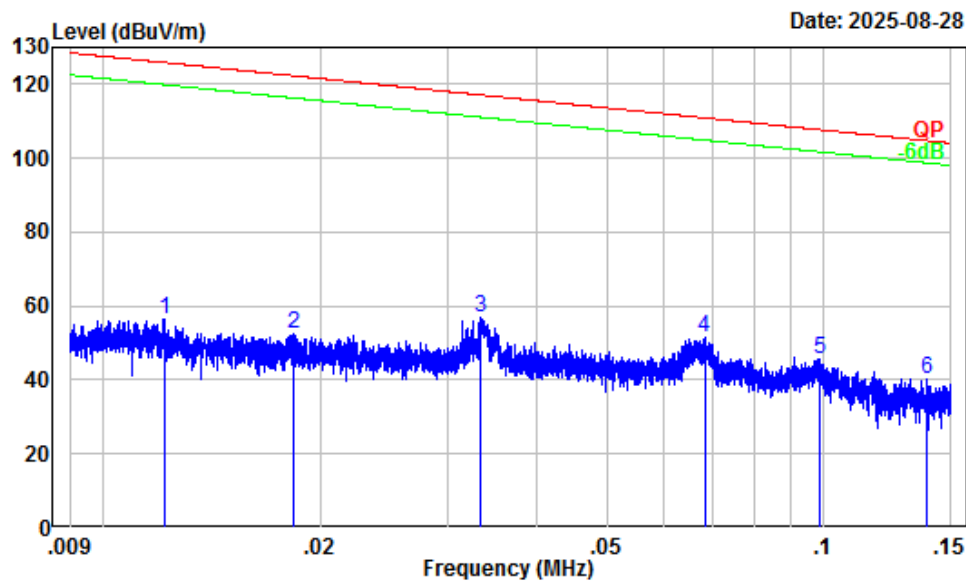
Site : Chamber A
Condition : 3m Vertical
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	33.93	-8.23	39.73	31.50	40.00	-8.50	Peak
2	57.62	-18.26	44.84	26.58	40.00	-13.42	Peak
3	144.02	-12.18	45.78	33.60	43.50	-9.90	Peak
4	403.25	-8.30	39.35	31.05	46.00	-14.95	Peak
5	518.61	-5.88	45.35	39.47	46.00	-6.53	Peak
6	576.39	-5.26	44.24	38.98	46.00	-7.02	Peak

For Adapter 3

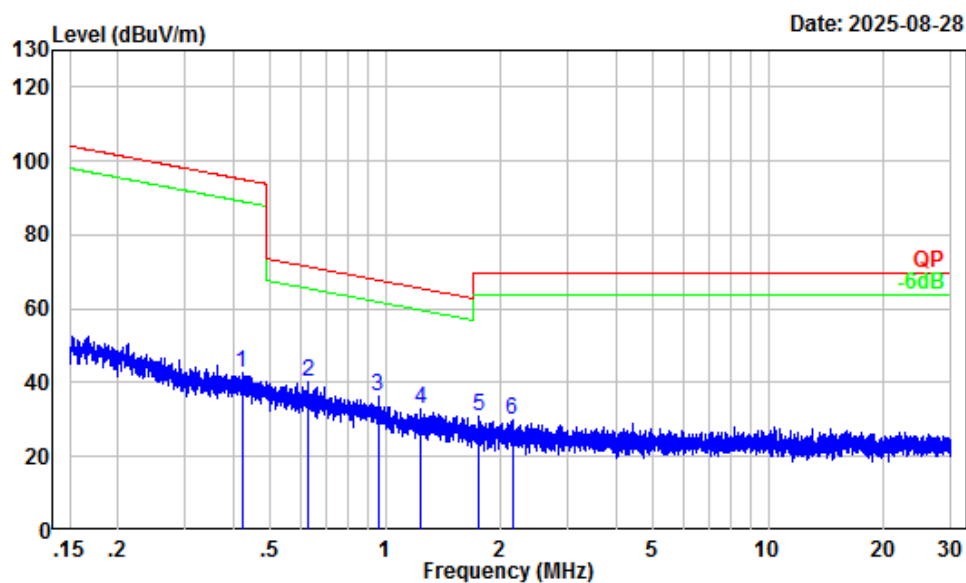
9 kHz-30MHz: (Maximum output power mode, Low channel)

Parallel (worst case)



Site : Chamber A
Condition : 3m
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 0.3/1kHz
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.012	31.89	24.63	56.52	125.89	-69.37	Peak
2	0.018	30.70	21.89	52.59	122.31	-69.72	Peak
3	0.033	28.14	28.79	56.93	117.11	-60.18	Peak
4	0.068	24.57	26.79	51.36	110.92	-59.56	Peak
5	0.098	22.11	23.65	45.76	107.74	-61.98	Peak
6	0.139	19.69	20.49	40.18	104.73	-64.55	Peak

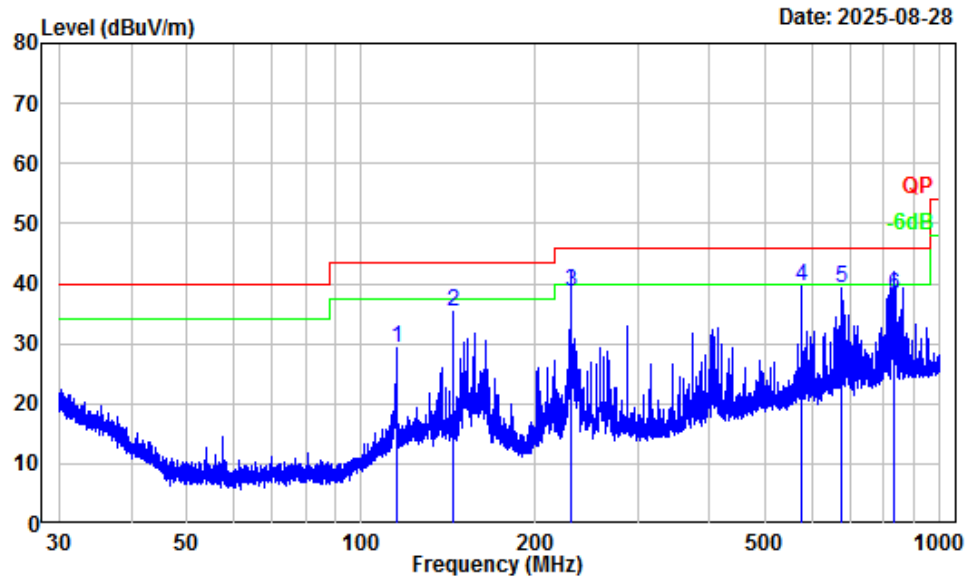


Site : Chamber A
Condition : 3m
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 10/30kHz
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	0.422	7.88	34.71	42.59	95.10	-52.51	Peak
2	0.630	4.79	35.45	40.24	71.56	-31.32	Peak
3	0.957	1.52	34.66	36.18	67.86	-31.68	Peak
4	1.241	0.53	32.17	32.70	65.56	-32.86	Peak
5	1.747	-0.89	31.81	30.92	69.54	-38.62	Peak
6	2.145	-1.68	31.52	29.84	69.54	-39.70	Peak

30MHz-1GHz: (Maximum output power mode, Low channel)

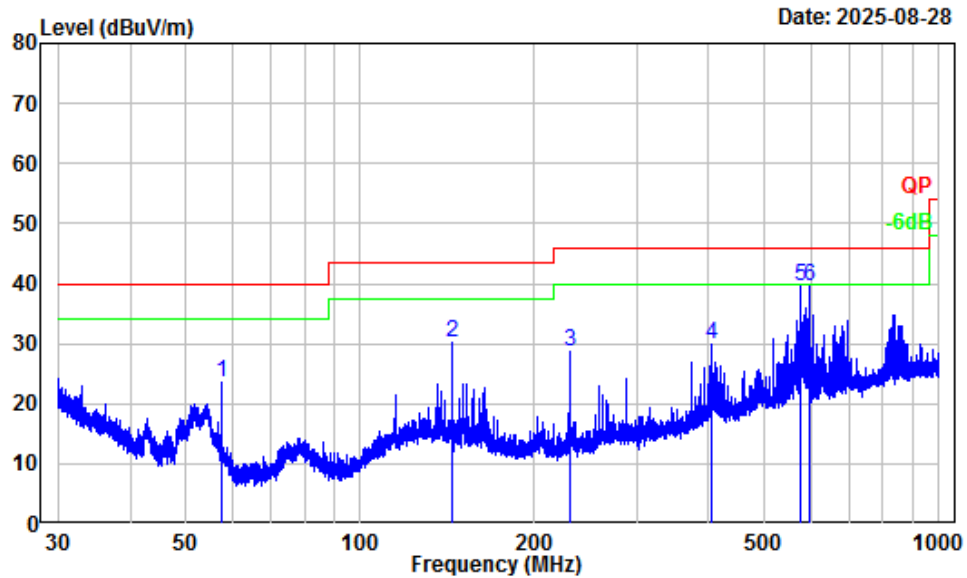
Horizontal



Site : Chamber A
Condition : 3m Horizontal
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq Factor		Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	115.17	-12.10	41.27	29.17	43.50	-14.33	Peak
2	143.96	-12.18	47.61	35.43	43.50	-8.07	Peak
3	230.50	-13.82	52.39	38.57	46.00	-7.43	QP
4	576.14	-5.25	44.76	39.51	46.00	-6.49	Peak
5	674.32	-3.83	43.17	39.34	46.00	-6.66	Peak
6	831.49	-1.90	40.03	38.13	46.00	-7.87	QP

Vertical



Site : Chamber A
Condition : 3m Vertical
Project Number : 2501V69557E-RFA1
Test Mode : Transmitting
Detector: Peak RBW/VBW: 100/300kHz
Tester : Anson Su

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	57.59	-18.26	41.88	23.62	40.00	-16.38	Peak
2	143.96	-12.18	42.42	30.24	43.50	-13.26	Peak
3	230.40	-13.83	42.58	28.75	46.00	-17.25	Peak
4	405.91	-8.23	38.09	29.86	46.00	-16.14	Peak
5	576.14	-5.25	44.90	39.65	46.00	-6.35	Peak
6	595.92	-5.28	44.82	39.54	46.00	-6.46	Peak

EUT PHOTOGRAPHS

Please refer to the attachment 2501V69557E-RFAA1-EXP External photo and 2501V69557E-RFAA1-INP Internal photo.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2501V69557E-RFBA1-TSP Test Setup photo.

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