



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: Xiamen Guangpu Electronics Co., Ltd.

Address: No 1800-1812, Min'An Road, Xiang'an District, Xiamen, Fujian, China.

FCC ID: 2AX7O-GPCL-5CCT1

Product Name: LED Ceiling Light

Standard(s): 47 CFR Part 15, Subpart C(15.249)
ANSI C63.10-2020

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2403W89285E-00B

Date Of Issue: 2025/3/14

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang 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. : 442868, the FCC Designation No. : CN1314.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2403W89285E-00B	Original Report	2025/3/14

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	LED Ceiling Light
EUT Model:	GPCL-RF-A16-24-811-01-C1ID
Multiple Models:	GPCL-RF-A12-16-811-01-C1ID, GPCL-RF-A10-12-811-01-C1ID GPCL-RB-A11-20-811-01-C1ID, GPCL-RA-A14-24-811-01-C1ID GPCL-RQ-A14-24-811-01-C1ID, GPCL-RF-A14-20-811-01-C1ID
Operation Frequency:	5738.84-5872.3 MHz
Modulation Type:	CW
Rated Input Voltage:	AC 120V
Serial Number:	2PLO-1 (GPCL-RF-A16-24-811-01-C1ID) 2PLO-2 (GPCL-RF-A10-12-811-01-C1ID) 2PLO-3 (GPCL-RB-A11-20-811-01-C1ID) 2PLO-4 (GPCL-RA-A14-24-811-01-C1ID) 2PLO-5 (GPCL-RQ-A14-24-811-01-C1ID) 2PLO-6 (GPCL-RF-A14-20-811-01-C1ID)
EUT Received Date:	2024/8/6
EUT Received Status:	Good
Note: The Multiple models are electrically identical with the test model. Please refer to as below for more detail, which was provided by manufacturer.	

Operation Frequency Detail:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	5738.84	2	5872.3
1	5801	/	/
Per section 15.31(m), the below frequencies were performed the test as below:			
Test Channel		Frequency (MHz)	
Lowest		5738.84	
Middle		5801	
Highest		5872.3	

Antenna Information Detail ▲:

Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
PCB	50	5.725~5.875GHz	6.05 dBi
The Method of §15.203 Compliance: ☒ Antenna was permanently attached to the unit. ☐ Antenna use a unique type of connector to attach to the EUT. ☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.			

Accessory Information:

No Accessory.

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	No
The engineering mode was provided by manufacturer ▲. The maximum power was configured default setting.	

1.2.2 Support Equipment List and Details

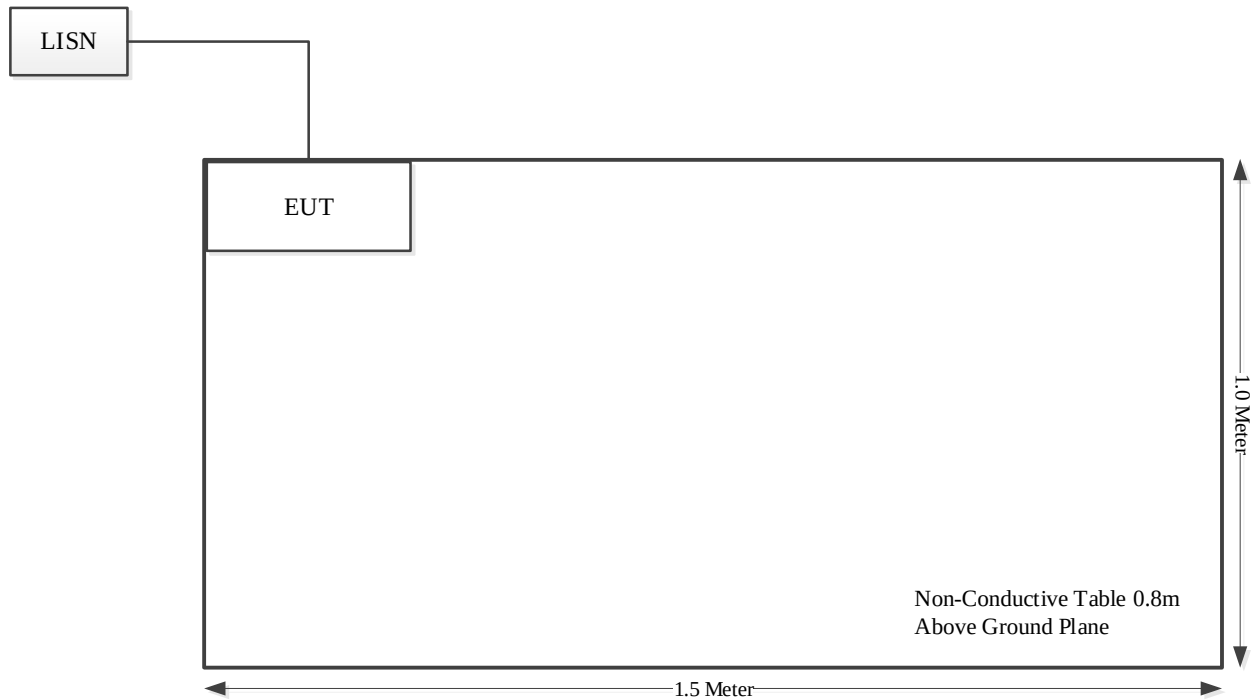
Manufacturer	Description	Model	Serial Number
/	/	/	/

1.2.3 Support Cable List and Details

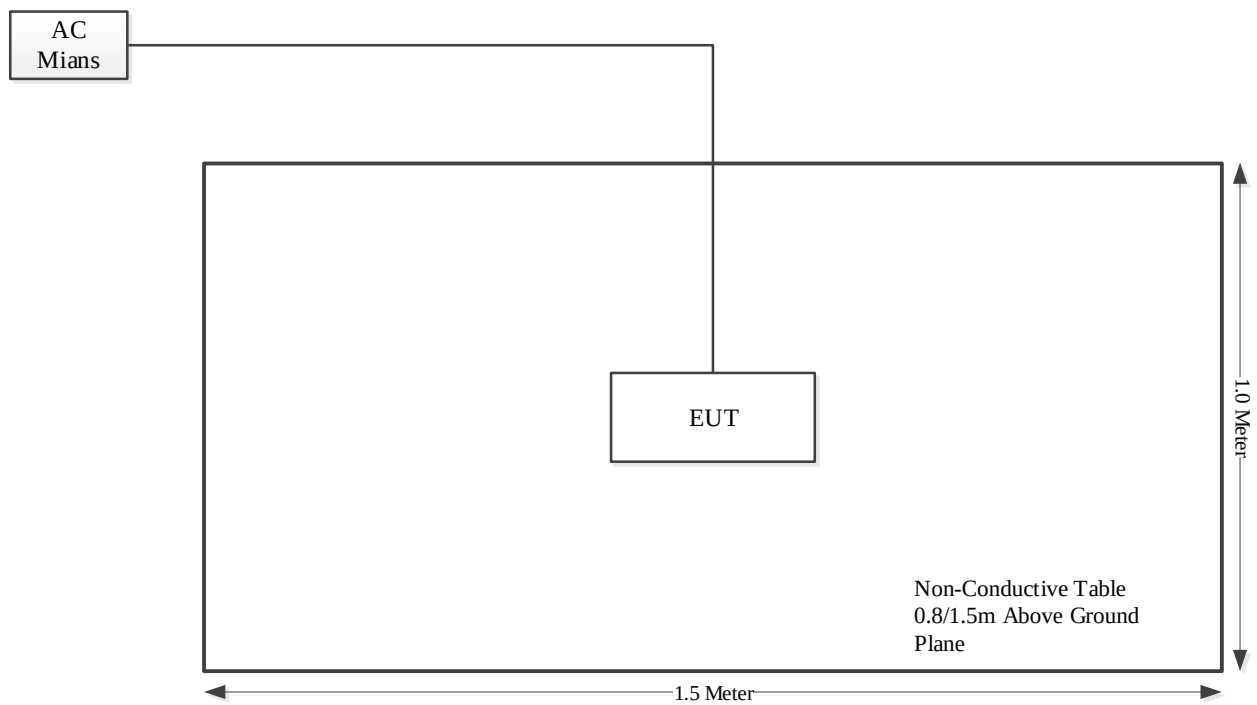
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Power Cable	No	No	1.2	EUT	LISN

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Spurious emissions:



1.3 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	$\pm 5\%$
Unwanted Emissions, radiated	9kHz~30MHz: 4.12dB, 30M~200MHz: 4.15 dB,200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
DC and low frequency voltages	$\pm 0.4\%$
Duty Cycle	1%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

2. SUMMARY OF TEST RESULTS

Standard(s)/Rule(s)	Description of Test	Result
§15.203	Antenna Requirement	Compliant
§15.207(a)	Conduction Emissions	Compliant
15.205, §15.209, §15.249	Radiated Emissions	Compliant
§15.215 (c)	20 dB Bandwidth	Compliant
§1.1307	RF Exposure Evaluation	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 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 μ 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 μ 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:

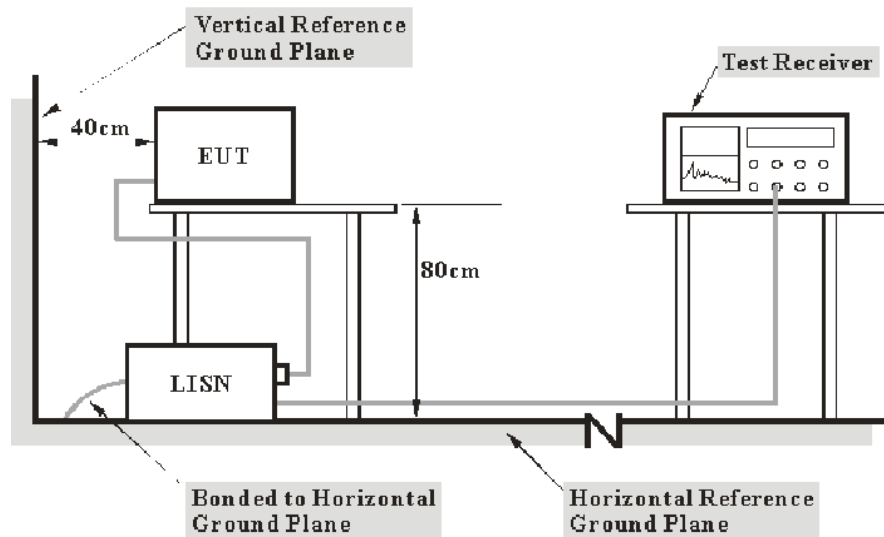
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ 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.

3.1.2 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 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.

The EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.3 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

3.1.4 Test Procedure

During the conducted emission test, the EUT was connected to the outlet of the first 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.

3.1.5 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

3.2 Radiated Emissions

3.2.1 Applicable Standard

As per FCC §15.249 (a), except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

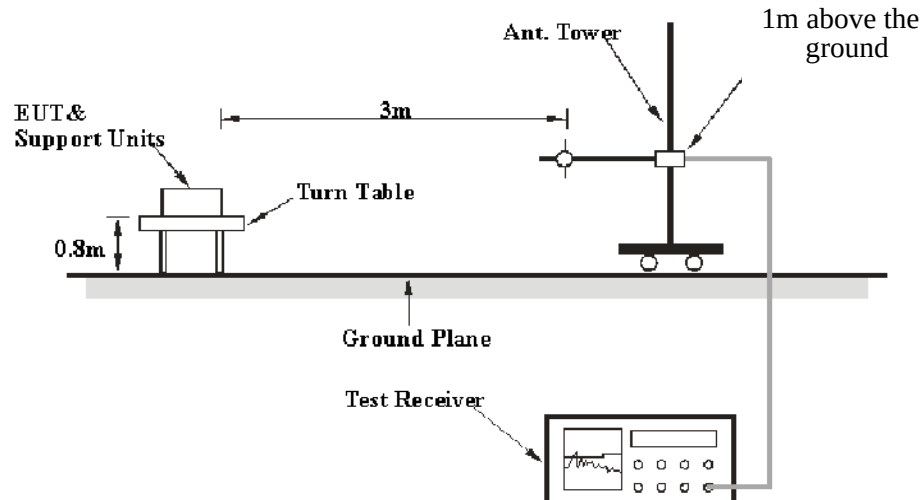
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902–928 MHz	50	500
2400–2483.5 MHz	50	500
5725–5875 MHz	50	500
24.0–24.25 GHz	250	2500

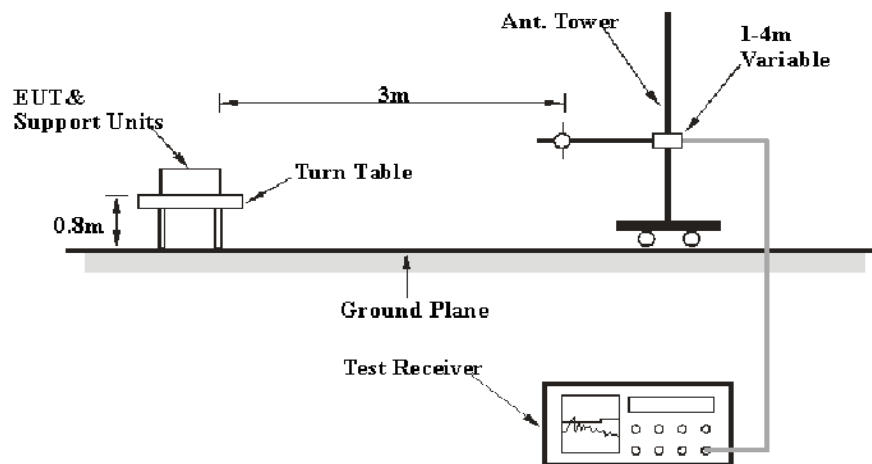
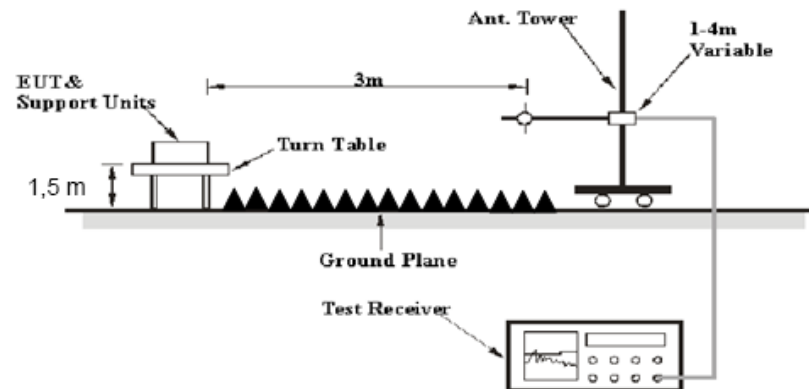
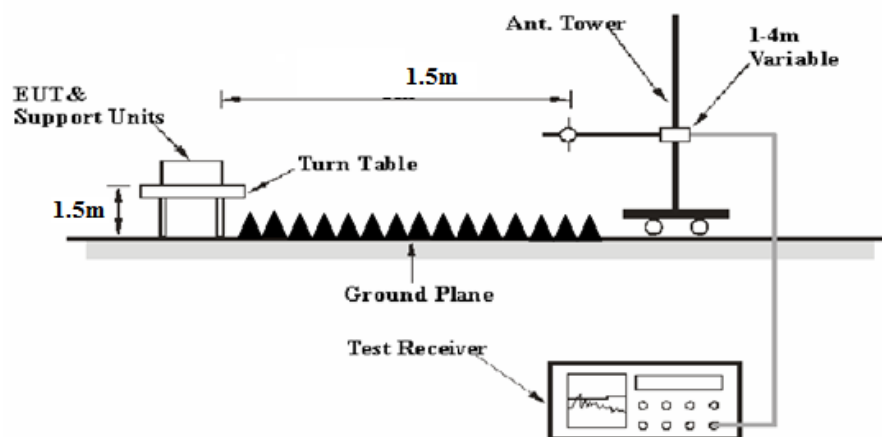
As per FCC §15.249 (c), Field strength limits are specified at a distance of 3 meters.

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

3.2.2 EUT Setup

9kHz - 30MHz:



30MHz - 1GHz:**1GHz – 26.5GHz:****26.5GHz - 40 GHz:**

The radiated emissions were performed in the 3 meters distance, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, and FCC 15.249 limits.

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.

3.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

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

1GHz- 40GHz:

Pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3 MHz	Peak
Ave.	1MHz	5 kHz	Peak

Final measurement for emission identified during the pre-scan:

Measurement	RBW	Video B/W	Detector
PK	1MHz	3 MHz	Peak
Ave.	1MHz	10 Hz	Peak

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.

3.2.4 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, average detection modes for the frequency bands 9–90 kHz and 110–490 kHz, peak and average detection modes for frequencies above 1 GHz.

According to C63.10, the above 1G test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m

Distance extrapolation Factor = $20 \log (\text{specific distance [3m]}/\text{test distance [1.5m]})$ dB = 6.02 dB

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

3.2.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

For 9kHz-26.5GHz:

Factor = Antenna Factor + Cable Loss- Amplifier Gain

For 26.5GHz-40GHz

Factor = Antenna Factor + Cable Loss- Amplifier Gain -Distance extrapolation Factor

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

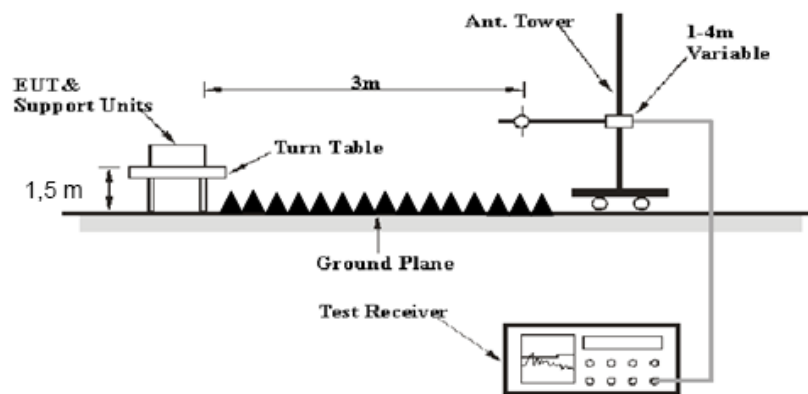
3.3 20 dB Emission Bandwidth:

3.3.1 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.

3.3.2 EUT Setup



3.3.3 Test Procedure

1. Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
2. Repeat above procedures until all frequencies measured were complete.

3.4 Antenna Requirement

3.4.1 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. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

3.4.2 Judgment

Please refer to the Antenna Information detail in Section 1.

4. Test DATA AND RESULTS

4.1 AC Line Conducted Emissions

Sample Number:	2PLO-1 (GPCL-RF-A16-24-811-01-C1ID) 2PLO-2 (GPCL-RF-A10-12-811-01-C1ID) 2PLO-3 (GPCL-RB-A11-20-811-01-C1ID) 2PLO-4 (GPCL-RA-A14-24-811-01-C1ID) 2PLO-5 (GPCL-RQ-A14-24-811-01-C1ID) 2PLO-6 (GPCL-RF-A14-20-811-01-C1ID)	Test Date:	2024/10/14-2025/2/18
Test Site:	CE	Test Mode:	Transmitting (maximum output power mode, low channel)
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3-25.2	Relative Humidity: (%)	51-54	ATM Pressure: (kPa)	100.4-100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101132	2024/4/1	2025/3/31
R&S	EMI Test Receiver	ESR3	103104	2024/5/10	2025/5/9
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2024/1/15	2025/1/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2025/1/6	2026/1/3
Audix	Test Software	E3	191218 (V9)	N/A	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

GPCL-RF-A10-12-811-01-C1ID:

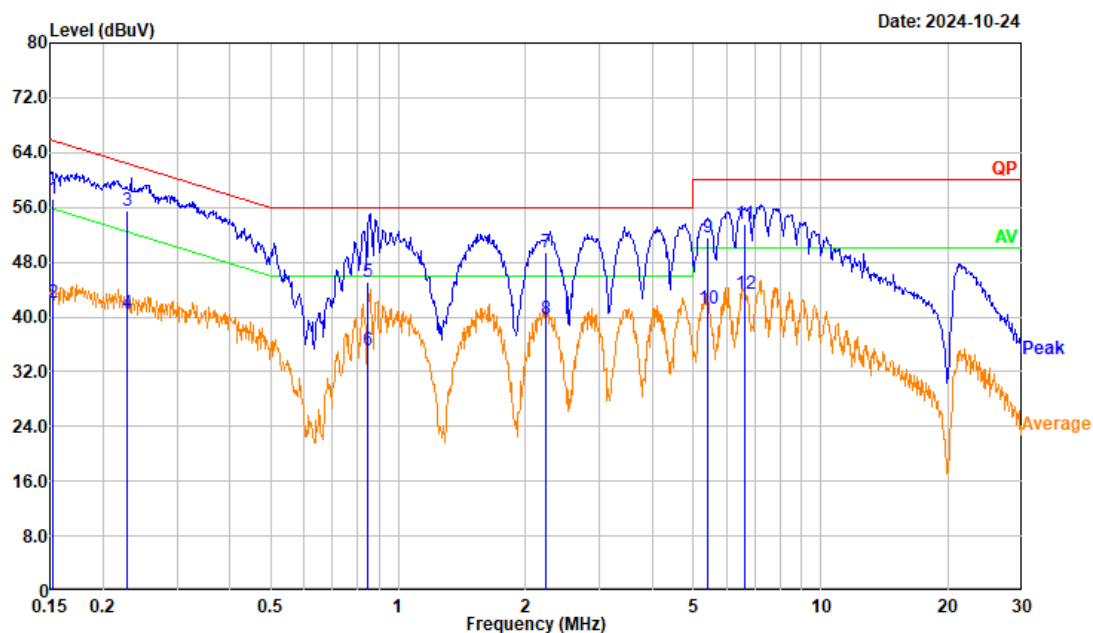
Project No.: 2403W89285E-RF

Tester: David Huang

Condition: IFBW:9 kHz Meas Time:0.025sec

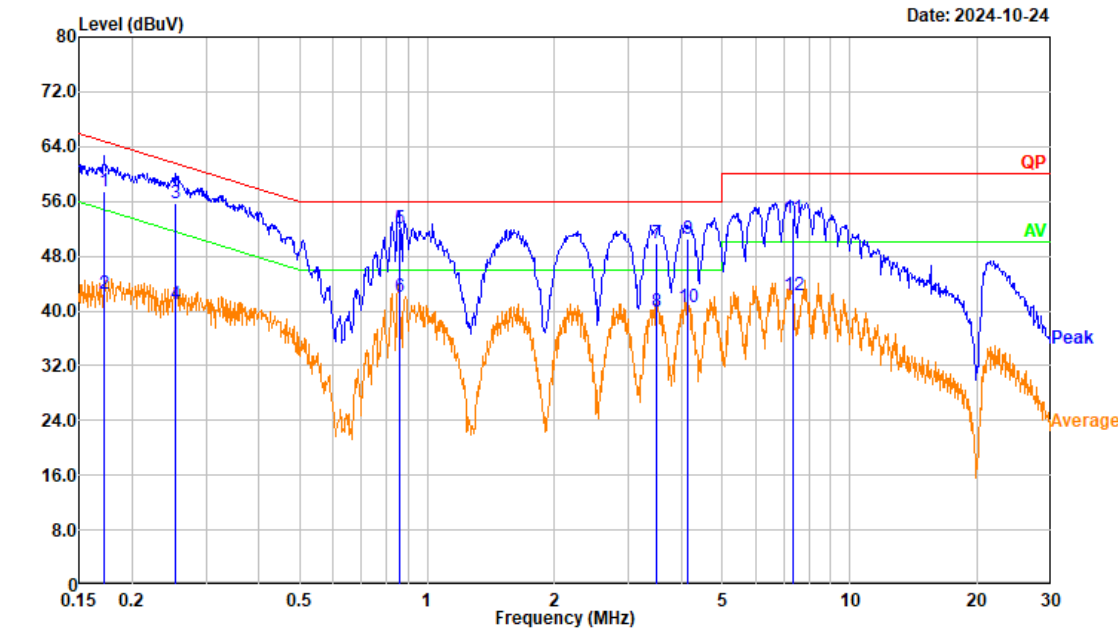
Port: Line

Note: Transmitting GPCL-RF-A10-12-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	46.90	10.30	57.20	65.88	8.68	QP
2	0.152	31.76	10.30	42.06	55.88	13.82	Average
3	0.228	45.48	10.06	55.54	62.51	6.97	QP
4	0.228	30.57	10.06	40.63	52.51	11.88	Average
5	0.845	34.51	10.66	45.17	56.00	10.83	QP
6	0.845	24.47	10.66	35.13	46.00	10.87	Average
7	2.229	38.92	10.41	49.33	56.00	6.67	QP
8	2.229	29.32	10.41	39.73	46.00	6.27	Average
9	5.384	41.22	10.40	51.62	60.00	8.38	QP
10	5.384	30.78	10.40	41.18	50.00	8.82	Average
11	6.596	43.12	10.53	53.65	60.00	6.35	QP
12	6.596	32.79	10.53	43.32	50.00	6.68	Average

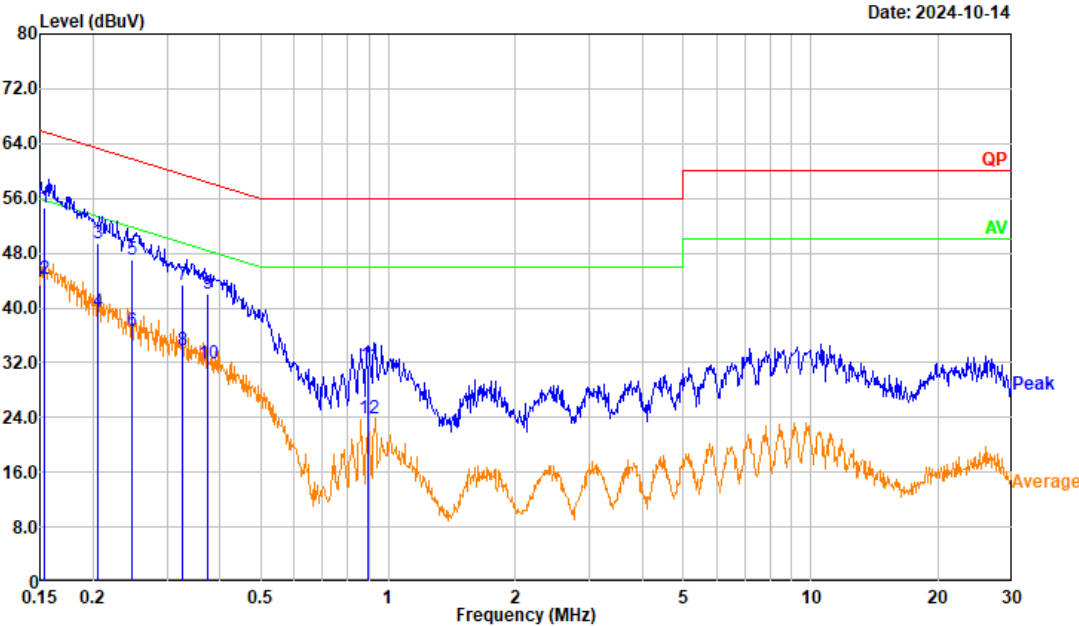
Project No.: 2403W89285E-RF
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: neutral
Note: Transmitting GPCL-RF-A10-12-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.172	46.93	10.51	57.44	64.85	7.41	QP
2	0.172	32.02	10.51	42.53	54.85	12.32	Average
3	0.254	45.15	10.53	55.68	61.62	5.94	QP
4	0.254	30.53	10.53	41.06	51.62	10.56	Average
5	0.860	41.69	10.27	51.96	56.00	4.04	QP
6	0.860	31.74	10.27	42.01	46.00	3.99	Average
7	3.482	39.39	10.37	49.76	56.00	6.24	QP
8	3.482	29.48	10.37	39.85	46.00	6.15	Average
9	4.147	40.07	10.35	50.42	56.00	5.58	QP
10	4.147	30.13	10.35	40.48	46.00	5.52	Average
11	7.336	43.21	10.29	53.50	60.00	6.50	QP
12	7.336	31.99	10.29	42.28	50.00	7.72	Average

GPCL-RF-A16-24-811-01-C1ID:

Project No.: 2403W89285E-RF
 Tester: David Huang
 Condition: IFBW:9 kHz Meas Time:0.025sec
 Port: Line
 Note: Transmitting GPCL-RF-A16-24-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.154	44.45	10.29	54.74	65.80	11.06	QP
2	0.154	33.96	10.29	44.25	55.80	11.55	Average
3	0.205	39.50	10.02	49.52	63.40	13.88	QP
4	0.205	29.34	10.02	39.36	53.40	14.04	Average
5	0.248	36.96	10.09	47.05	61.83	14.78	QP
6	0.248	26.50	10.09	36.59	51.83	15.24	Average
7	0.327	33.23	10.22	43.45	59.53	16.08	QP
8	0.327	23.70	10.22	33.92	49.53	15.61	Average
9	0.376	31.72	10.30	42.02	58.38	16.36	QP
10	0.376	21.65	10.30	31.95	48.38	16.43	Average
11	0.900	20.97	10.68	31.65	56.00	24.35	QP
12	0.900	13.12	10.68	23.80	46.00	22.20	Average

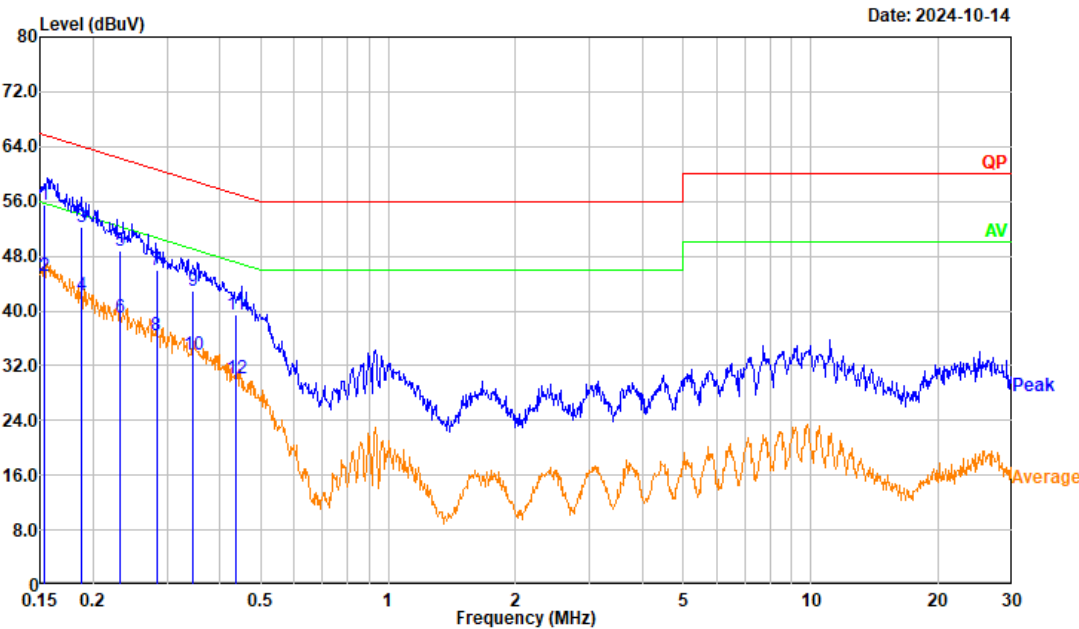
Project No.: 2403W89285E-RF

Tester: David Huang

Condition: IFBW:9 kHz Meas Time:0.025sec

Port: neutral

Note: Transmitting GPCL-RF-A16-24-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	44.93	10.51	55.44	65.81	10.37	QP
2	0.153	34.48	10.51	44.99	55.81	10.82	Average
3	0.189	41.68	10.51	52.19	64.09	11.90	QP
4	0.189	31.69	10.51	42.20	54.09	11.89	Average
5	0.232	38.23	10.52	48.75	62.37	13.62	QP
6	0.232	28.43	10.52	38.95	52.37	13.42	Average
7	0.283	35.33	10.54	45.87	60.72	14.85	QP
8	0.283	25.81	10.54	36.35	50.72	14.37	Average
9	0.344	32.38	10.56	42.94	59.10	16.16	QP
10	0.344	23.08	10.56	33.64	49.10	15.46	Average
11	0.436	28.77	10.59	39.36	57.14	17.78	QP
12	0.436	19.60	10.59	30.19	47.14	16.95	Average

GPCL-RA-A14-24-811-01-C1ID:

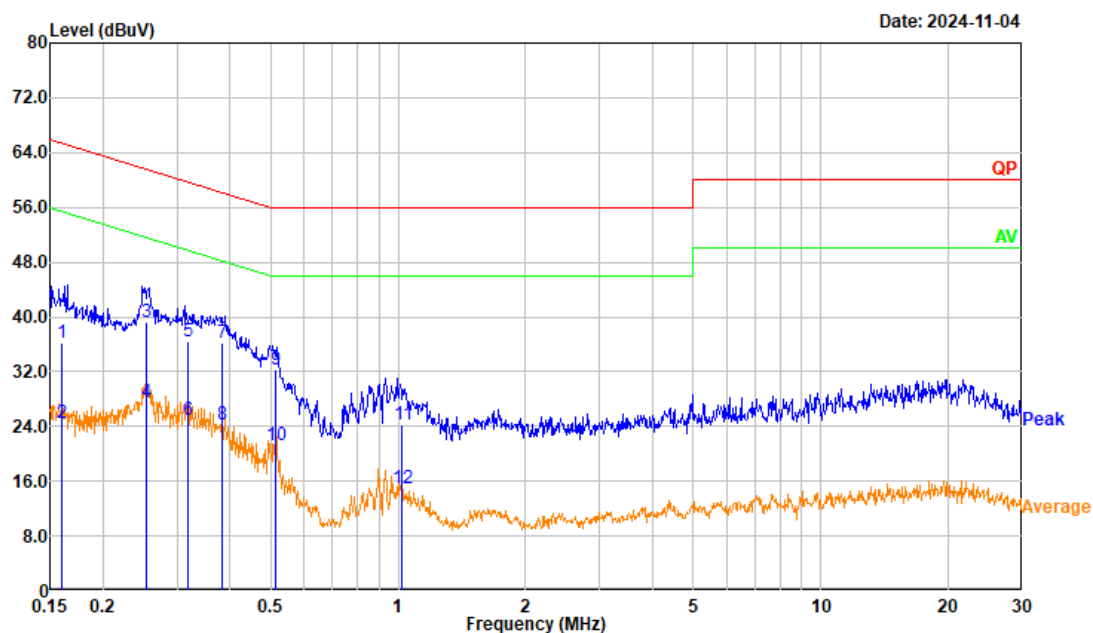
Project No.: 2403W89285E-RF

Tester: David Huang

Condition: IFBW:9 kHz Meas Time:0.025sec

Port: Line

Note: Transmitting GPCL-RA-A14-24-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.160	26.01	10.25	36.26	65.46	29.20	QP
2	0.160	14.25	10.25	24.50	55.46	30.96	Average
3	0.254	29.05	10.10	39.15	61.63	22.48	QP
4	0.254	17.48	10.10	27.58	51.63	24.05	Average
5	0.317	26.30	10.21	36.51	59.78	23.27	QP
6	0.317	14.82	10.21	25.03	49.78	24.75	Average
7	0.384	25.99	10.32	36.31	58.19	21.88	QP
8	0.384	13.93	10.32	24.25	48.19	23.94	Average
9	0.513	21.84	10.52	32.36	56.00	23.64	QP
10	0.513	10.64	10.52	21.16	46.00	24.84	Average
11	1.022	13.66	10.71	24.37	56.00	31.63	QP
12	1.022	4.34	10.71	15.05	46.00	30.95	Average

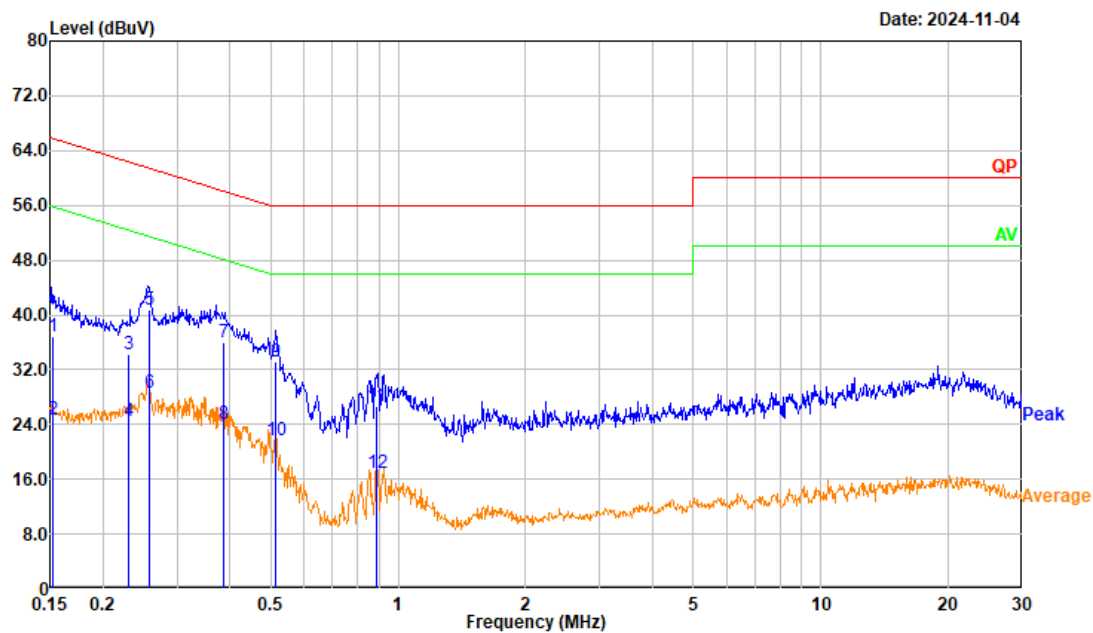
Project No.: 2403W89285E-RF

Tester: David Huang

Condition: IFBW:9 kHz Meas Time:0.025sec

Port: neutral

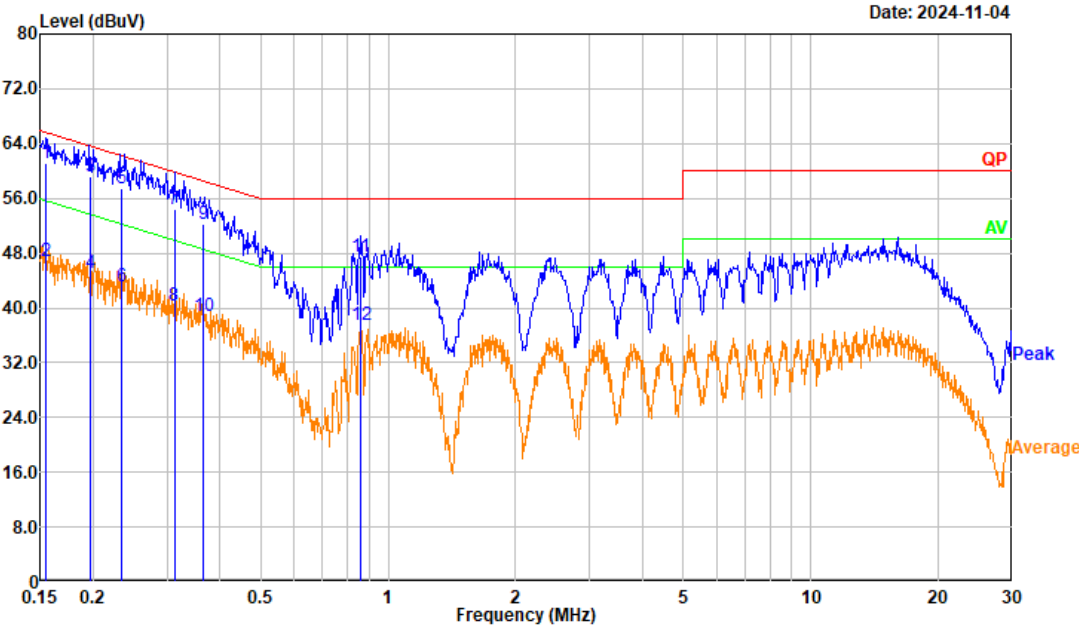
Note: Transmitting GPCL-RA-A14-24-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	26.32	10.51	36.83	65.89	29.06	QP
2	0.152	14.28	10.51	24.79	55.89	31.10	Average
3	0.231	23.75	10.52	34.27	62.41	28.14	QP
4	0.231	13.94	10.52	24.46	52.41	27.95	Average
5	0.257	30.18	10.53	40.71	61.51	20.80	QP
6	0.257	18.10	10.53	28.63	51.51	22.88	Average
7	0.385	25.42	10.57	35.99	58.16	22.17	QP
8	0.385	13.46	10.57	24.03	48.16	24.13	Average
9	0.513	22.68	10.58	33.26	56.00	22.74	QP
10	0.513	11.09	10.58	21.67	46.00	24.33	Average
11	0.890	16.43	10.30	26.73	56.00	29.27	QP
12	0.890	6.60	10.30	16.90	46.00	29.10	Average

GPCL-RB-A11-20-811-01-C1ID:

Project No.: 2403W89285E-RF
 Tester: David Huang
 Condition: IFBW:9 kHz Meas Time:0.025sec
 Port: Line
 Note: Transmitting GPCL-RB-A11-20-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.155	50.96	10.28	61.24	65.75	4.51	QP
2	0.155	36.51	10.28	46.79	55.75	8.96	Average
3	0.197	49.23	10.03	59.26	63.72	4.46	QP
4	0.197	34.98	10.03	45.01	53.72	8.71	Average
5	0.234	47.48	10.07	57.55	62.30	4.75	QP
6	0.234	33.08	10.07	43.15	52.30	9.15	Average
7	0.312	44.29	10.20	54.49	59.92	5.43	QP
8	0.312	30.18	10.20	40.38	49.92	9.54	Average
9	0.365	41.87	10.28	52.15	58.62	6.47	QP
10	0.365	28.53	10.28	38.81	48.62	9.81	Average
11	0.859	36.78	10.66	47.44	56.00	8.56	QP
12	0.859	26.83	10.66	37.49	46.00	8.51	Average

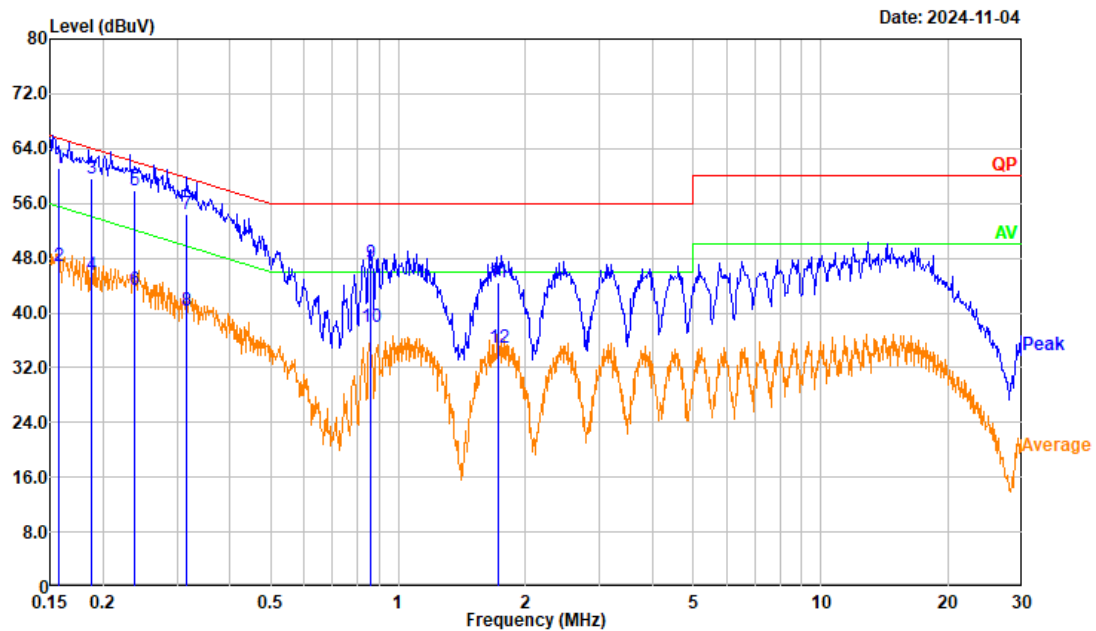
Project No.: 2403W89285E-RF

Tester: David Huang

Condition: IFBW:9 kHz Meas Time:0.025sec

Port: neutral

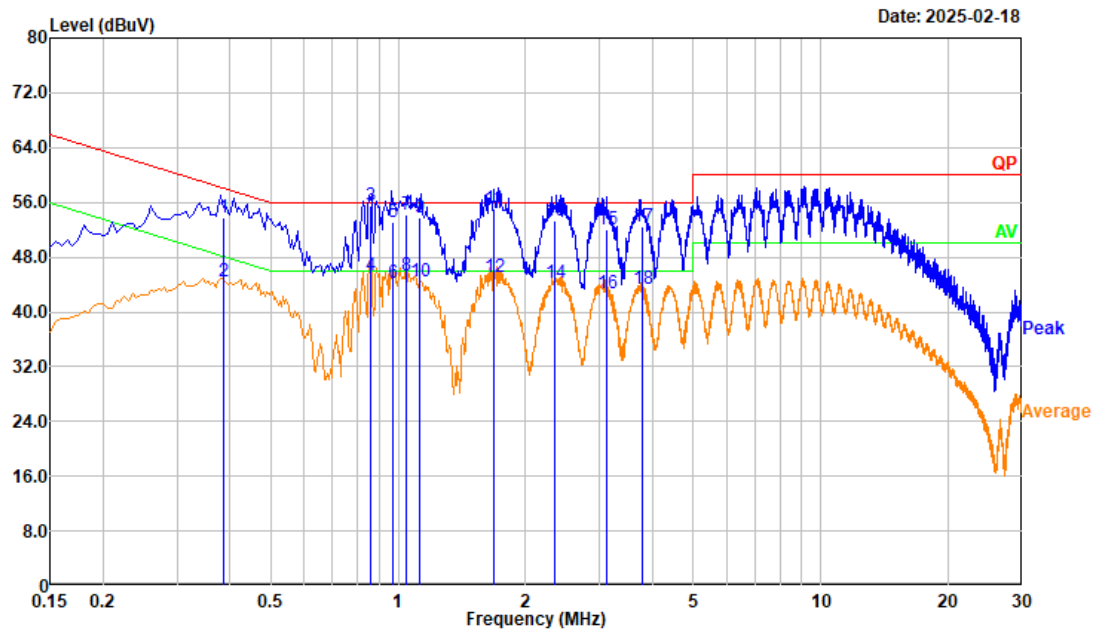
Note: Transmitting GPCL-RB-A11-20-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.158	50.53	10.51	61.04	65.59	4.55	QP
2	0.158	36.25	10.51	46.76	55.59	8.83	Average
3	0.189	49.20	10.51	59.71	64.10	4.39	QP
4	0.189	34.92	10.51	45.43	54.10	8.67	Average
5	0.238	47.36	10.52	57.88	62.15	4.27	QP
6	0.238	32.92	10.52	43.44	52.15	8.71	Average
7	0.315	43.92	10.55	54.47	59.83	5.36	QP
8	0.315	29.84	10.55	40.39	49.83	9.44	Average
9	0.859	37.09	10.27	47.36	56.00	8.64	QP
10	0.859	27.61	10.27	37.88	46.00	8.12	Average
11	1.720	34.09	10.43	44.52	56.00	11.48	QP
12	1.720	24.46	10.43	34.89	46.00	11.11	Average

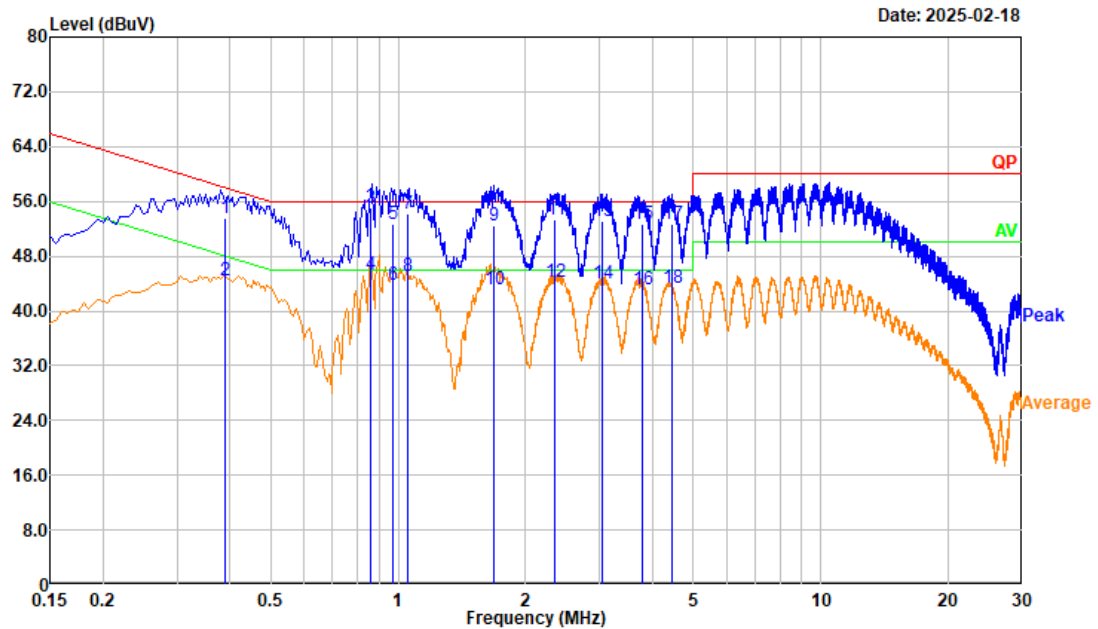
GPCL-RQ-A14-24-811-01-C11D:

Project No.: 2403W89285E
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: Line
Note: Transmitting



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.386	43.36	10.32	53.68	58.15	4.47	QP
2	0.386	34.18	10.32	44.50	48.15	3.65	Average
3	0.858	44.81	10.66	55.47	56.00	0.53	QP
4	0.858	34.55	10.66	45.21	46.00	0.79	Average
5	0.974	42.31	10.71	53.02	56.00	2.98	QP
6	0.974	33.55	10.71	44.26	46.00	1.74	Average
7	1.046	43.52	10.71	54.23	56.00	1.77	QP
8	1.046	34.60	10.71	45.31	46.00	0.69	Average
9	1.126	43.03	10.68	53.71	56.00	2.29	QP
10	1.126	33.84	10.68	44.52	46.00	1.48	Average
11	1.684	44.57	10.52	55.09	56.00	0.91	QP
12	1.684	34.68	10.52	45.20	46.00	0.80	Average
13	2.350	42.86	10.39	53.25	56.00	2.75	QP
14	2.350	33.94	10.39	44.33	46.00	1.67	Average
15	3.106	41.65	10.33	51.98	56.00	4.02	QP
16	3.106	32.42	10.33	42.75	46.00	3.25	Average
17	3.774	42.29	10.27	52.56	56.00	3.44	QP
18	3.774	33.07	10.27	43.34	46.00	2.66	Average

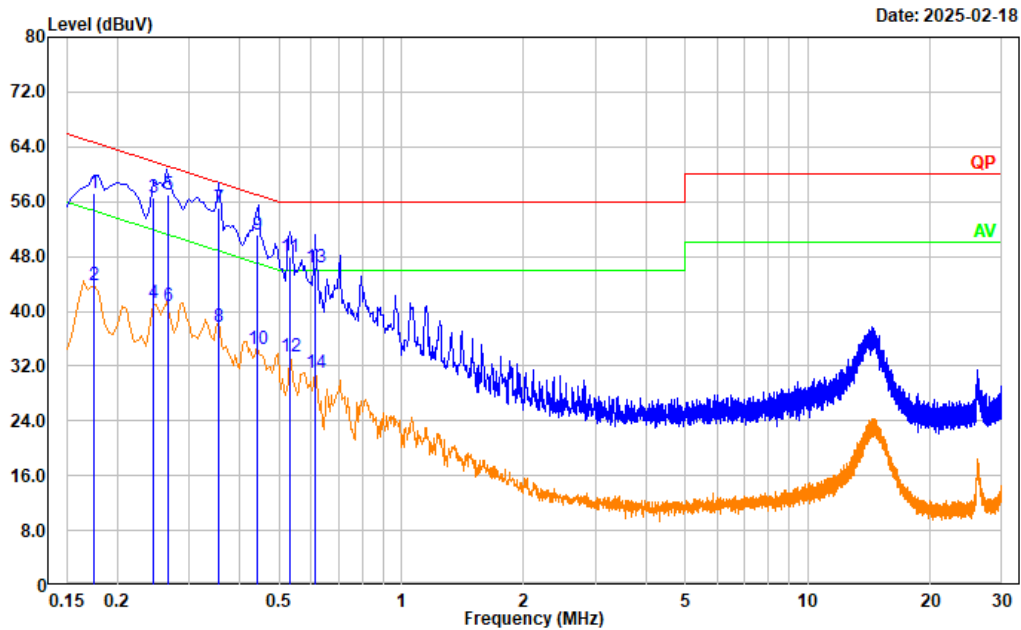
Project No.: 2403W89285E
Tester: David Huang
Condition: IFBW:9 kHz Meas Time:0.025sec
Port: neutral
Note: Transmitting



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.391	42.98	10.57	53.55	58.04	4.49	QP
2	0.391	33.87	10.57	44.44	48.04	3.60	Average
3	0.861	44.84	10.27	55.11	56.00	0.89	QP
4	0.861	35.06	10.27	45.33	46.00	0.67	Average
5	0.970	42.24	10.39	52.63	56.00	3.37	QP
6	0.970	33.46	10.39	43.85	46.00	2.15	Average
7	1.051	43.80	10.42	54.22	56.00	1.78	QP
8	1.051	34.60	10.42	45.02	46.00	0.98	Average
9	1.683	42.12	10.43	52.55	56.00	3.45	QP
10	1.683	32.82	10.43	43.25	46.00	2.75	Average
11	2.351	42.83	10.41	53.24	56.00	2.76	QP
12	2.351	33.77	10.41	44.18	46.00	1.82	Average
13	3.052	42.76	10.39	53.15	56.00	2.85	QP
14	3.052	33.61	10.39	44.00	46.00	2.00	Average
15	3.771	42.30	10.36	52.66	56.00	3.34	QP
16	3.771	32.86	10.36	43.22	46.00	2.78	Average
17	4.440	42.37	10.34	52.71	56.00	3.29	QP
18	4.440	33.00	10.34	43.34	46.00	2.66	Average

GPCL-RF-A14-20-811-01-C1ID:

Project No.: 2403W89285E
Tester: David Huang
Port: neutral
Condition: IFBW:9 kHz Meas Time:0.025sec
Note: Transmitting GPCL-RF-A14-20-811-01-C1ID



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.176	46.97	10.31	57.28	64.70	7.42	QP
2	0.176	33.51	10.31	43.82	54.70	10.88	Average
3	0.246	46.24	10.41	56.65	61.91	5.26	QP
4	0.246	30.70	10.41	41.11	51.91	10.80	Average
5	0.266	46.57	10.41	56.98	61.23	4.25	QP
6	0.266	30.39	10.41	40.80	51.23	10.43	Average
7	0.355	44.73	10.41	55.14	58.84	3.70	QP
8	0.355	27.30	10.41	37.71	48.84	11.13	Average
9	0.443	40.73	10.41	51.14	57.00	5.86	QP
10	0.443	23.99	10.41	34.40	47.00	12.60	Average
11	0.532	37.50	10.36	47.86	56.00	8.14	QP
12	0.532	23.12	10.36	33.48	46.00	12.52	Average
13	0.615	36.09	10.24	46.33	56.00	9.67	QP
14	0.615	20.71	10.24	30.95	46.00	15.05	Average

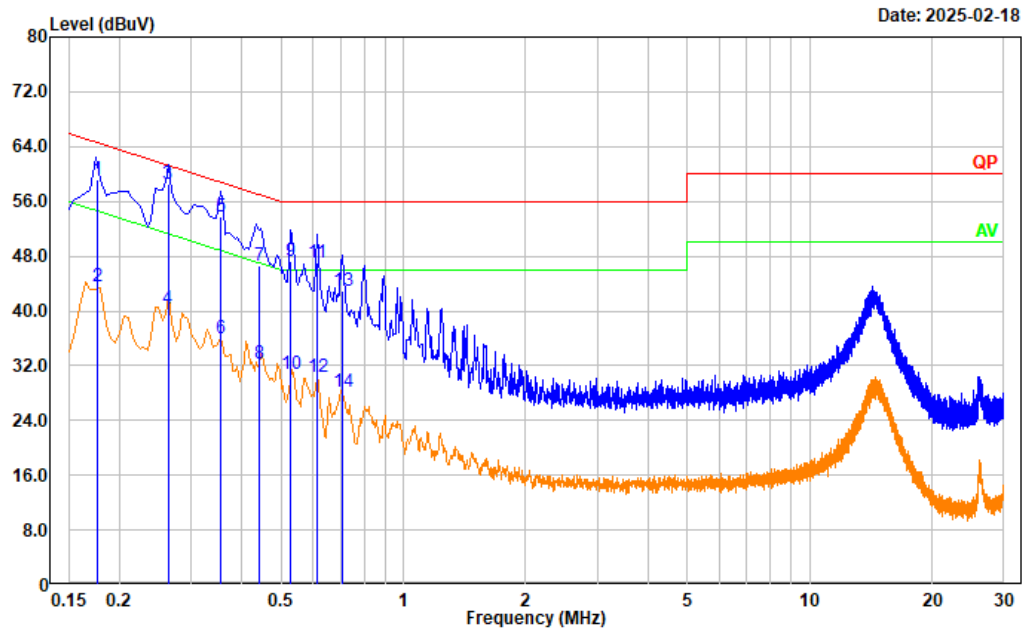
Project No.: 2403W89285E

Tester: David Huang

Port: Line

Condition: IFBW:9 kHz Meas Time:0.025sec

Note: Transmitting GPCL-RF-A14-20-811-01-C1ID



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.176	48.80	10.46	59.26	64.67	5.41	QP
2	0.176	33.14	10.46	43.60	54.67	11.07	Average
3	0.263	48.23	10.41	58.64	61.32	2.68	QP
4	0.263	29.93	10.41	40.34	51.32	10.98	Average
5	0.356	43.46	10.41	53.87	58.82	4.95	QP
6	0.356	25.65	10.41	36.06	48.82	12.76	Average
7	0.440	36.22	10.41	46.63	57.06	10.43	QP
8	0.440	21.94	10.41	32.35	47.06	14.71	Average
9	0.528	36.93	10.41	47.34	56.00	8.66	QP
10	0.528	20.32	10.41	30.73	46.00	15.27	Average
11	0.614	36.56	10.41	46.97	56.00	9.03	QP
12	0.614	19.88	10.41	30.29	46.00	15.71	Average
13	0.707	32.50	10.41	42.91	56.00	13.09	QP
14	0.707	17.78	10.41	28.19	46.00	17.81	Average

4.2 Radiation Spurious Emissions

4.2.1 9kHz - 1GHz

Sample Number:	2PLO-1 (GPCL-RF-A16-24-811-01-C1ID) 2PLO-2 (GPCL-RF-A10-12-811-01-C1ID) 2PLO-3 (GPCL-RB-A11-20-811-01-C1ID) 2PLO-4 (GPCL-RA-A14-24-811-01-C1ID) 2PLO-5 (GPCL-RQ-A14-24-811-01-C1ID) 2PLO-6 (GPCL-RF-A14-20-811-01-C1ID)	Test Date:	2024/9/24-2025/3/6
Test Site:	966-2	Test Mode:	Transmitting (maximum output power mode, low channel)
Tester:	Roinin Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.9-25.9	Relative Humidity: (%)	51-54	ATM Pressure: (kPa)	99.8-101.6
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2023/12/1	2026/11/30
BACL	Loop Antenna	1313-1A	3110611	2023/12/4	2026/12/3
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2024/1/11	2025/1/10
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0300-01	2025/1/10	2026/1/9
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2024/1/11	2025/1/10
Daruikang	Coaxial Cable	BNC-JJ-RG58	C-0500-01	2025/1/10	2026/1/9
R&S	EMI Test Receiver	ESR3	102724	2024/2/29	2025/2/28
R&S	EMI Test Receiver	ESR3	102724	2025/2/14	2026/2/13
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2023/12/4	2024/12/3
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0100-03	2024/12/3	2025/12/2
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2023/12/4	2024/12/3
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0370-01	2024/12/3	2025/12/2
XQY	Coaxial Cable	XQY-CMR400UF-NJ-NJ-7M	24056379	2024/6/11	2025/6/10
Sonoma	Amplifier	310N	186165	2023/12/4	2024/12/3
Sonoma	Amplifier	310N	186165	2024/12/3	2025/12/2
Audix	Test Software	E3	191218 (V9)	N/A	N/A

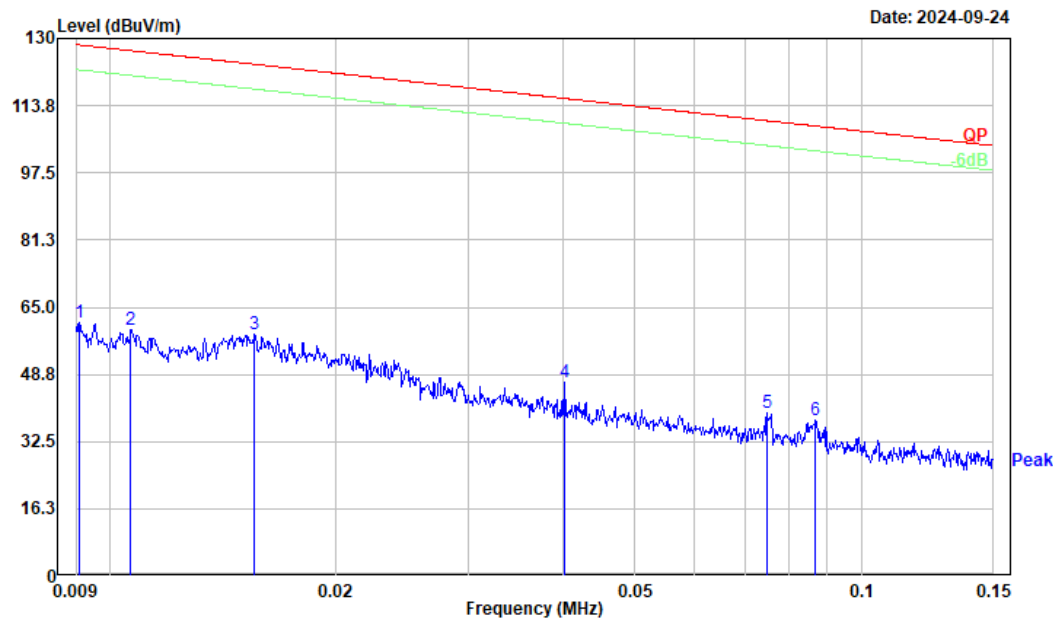
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

After pre-scan in the X, Y and Z axes of orientation, the worst case is refer to plots.

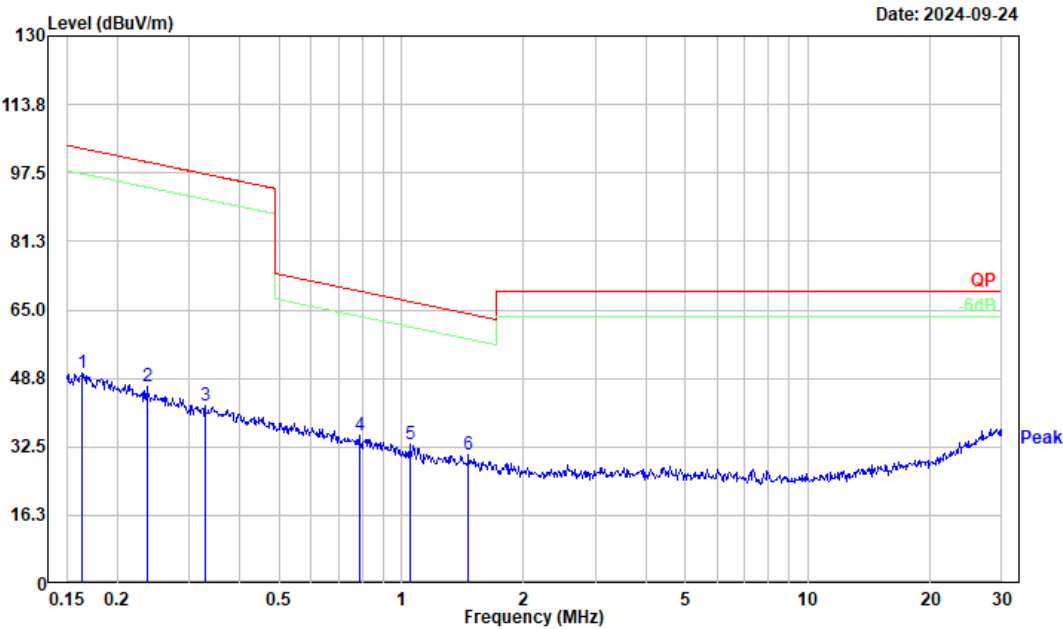
GPCL-RF-A16-24-811-01-C1ID

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G Parallel



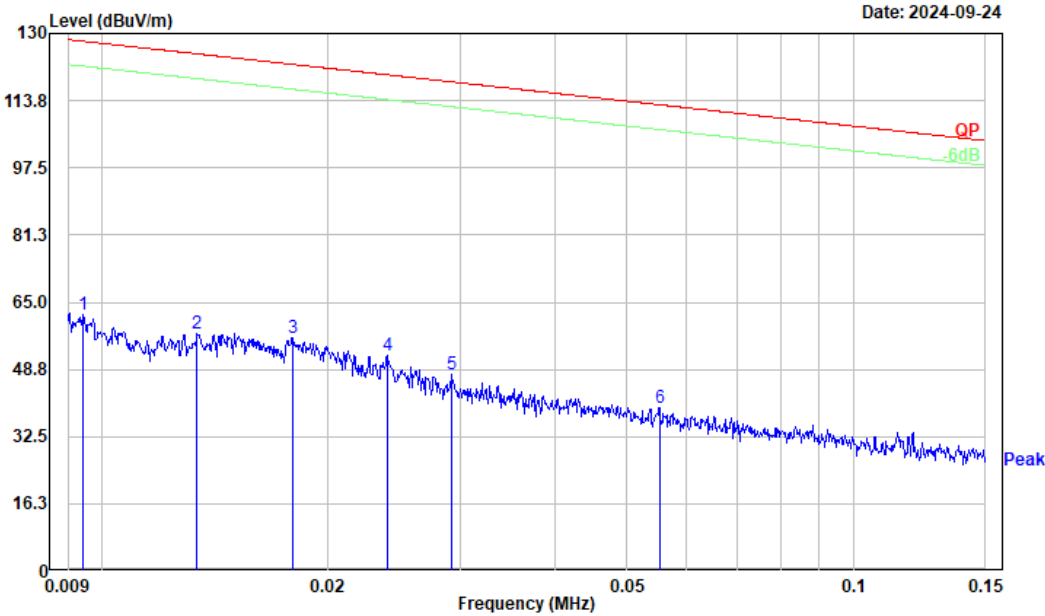
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	25.81	35.60	61.41	128.42	67.01	Peak
2	0.011	25.58	34.11	59.69	127.05	67.36	Peak
3	0.016	26.65	31.70	58.35	123.75	65.40	Peak
4	0.040	24.29	22.46	46.75	115.49	68.74	Peak
5	0.075	22.28	17.03	39.31	110.12	70.81	Peak
6	0.087	21.86	15.74	37.60	108.82	71.22	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G Parallel



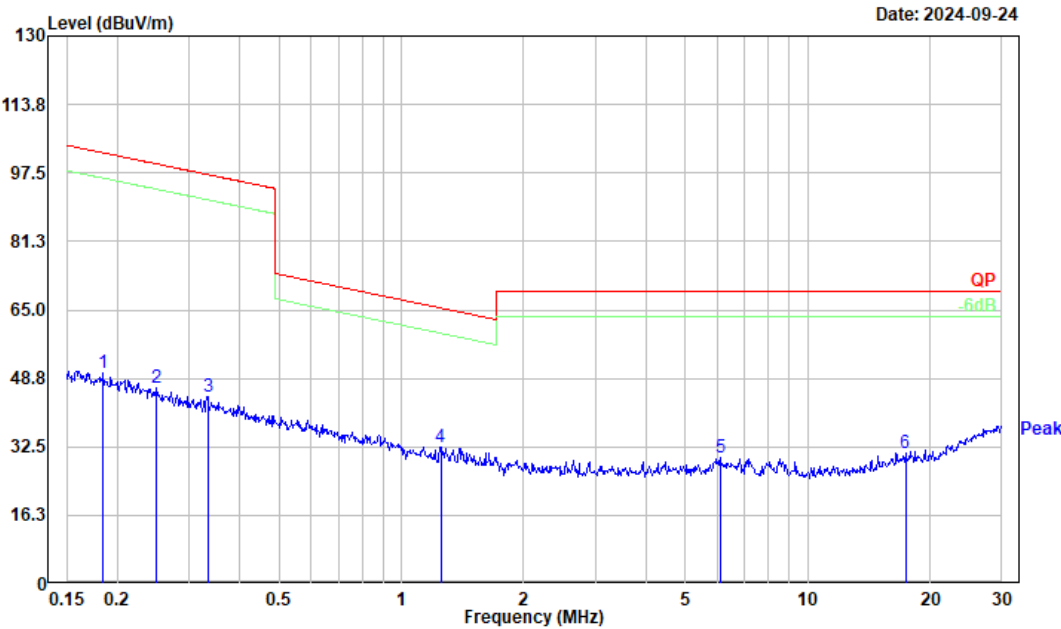
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.164	38.49	11.66	50.15	103.30	53.15	Peak
2	0.237	38.66	8.29	46.95	100.12	53.17	Peak
3	0.329	37.58	4.72	42.30	97.27	54.97	Peak
4	0.788	37.65	-2.38	35.27	69.59	34.32	Peak
5	1.049	37.37	-4.38	32.99	67.05	34.06	Peak
6	1.464	36.63	-5.86	30.77	64.09	33.32	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G Perpendicular



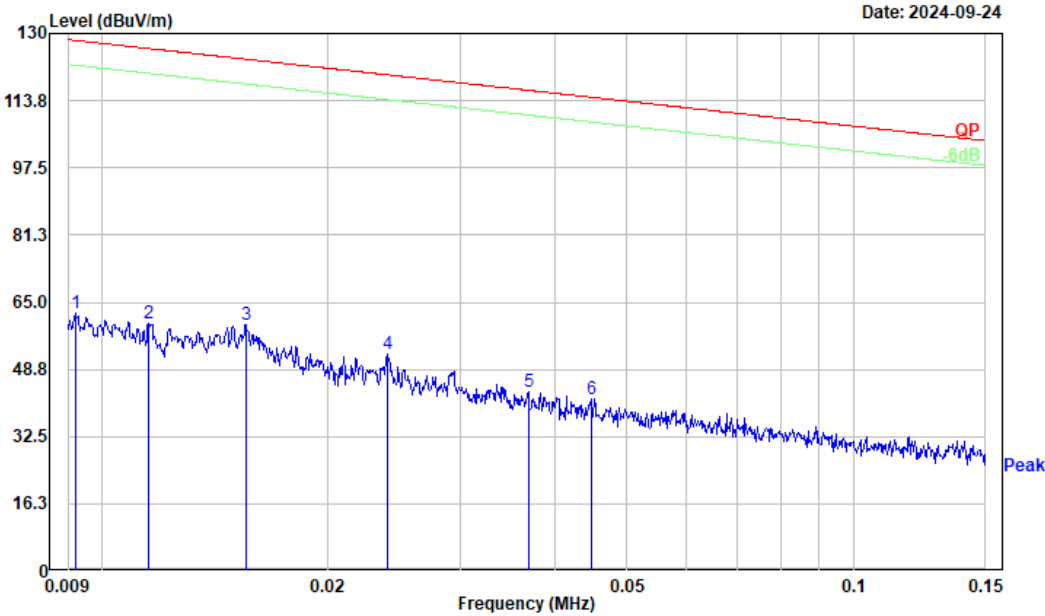
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	26.83	35.16	61.99	128.10	66.11	Peak
2	0.013	24.57	32.77	57.34	125.07	67.73	Peak
3	0.018	25.91	30.54	56.45	122.53	66.08	Peak
4	0.024	24.70	27.59	52.29	120.02	67.73	Peak
5	0.029	22.51	25.00	47.51	118.28	70.77	Peak
6	0.055	19.81	19.71	39.52	112.76	73.24	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G Perpendicular



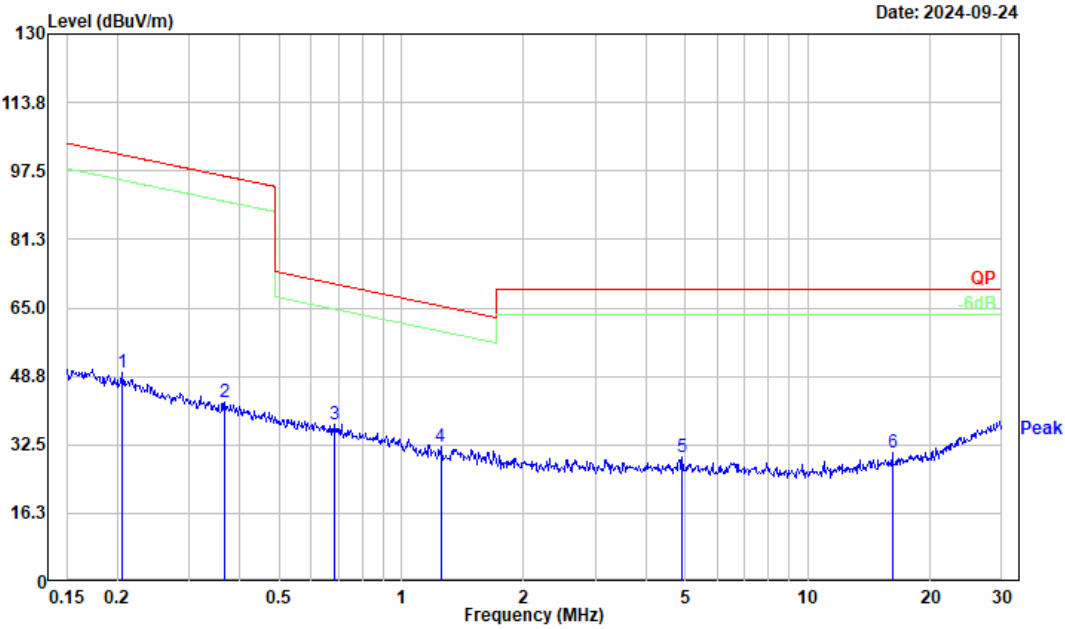
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.184	39.27	10.71	49.98	102.29	52.31	Peak
2	0.249	38.84	7.69	46.53	99.66	53.13	Peak
3	0.334	39.84	4.61	44.45	97.13	52.68	Peak
4	1.249	37.55	-5.10	32.45	65.50	33.05	Peak
5	6.089	38.79	-8.92	29.87	69.54	39.67	Peak
6	17.383	38.66	-7.62	31.04	69.54	38.50	Peak

Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
 Polarization: Ground-parallel
 Note: Transmitting 15.249_5.8G Ground-parallel



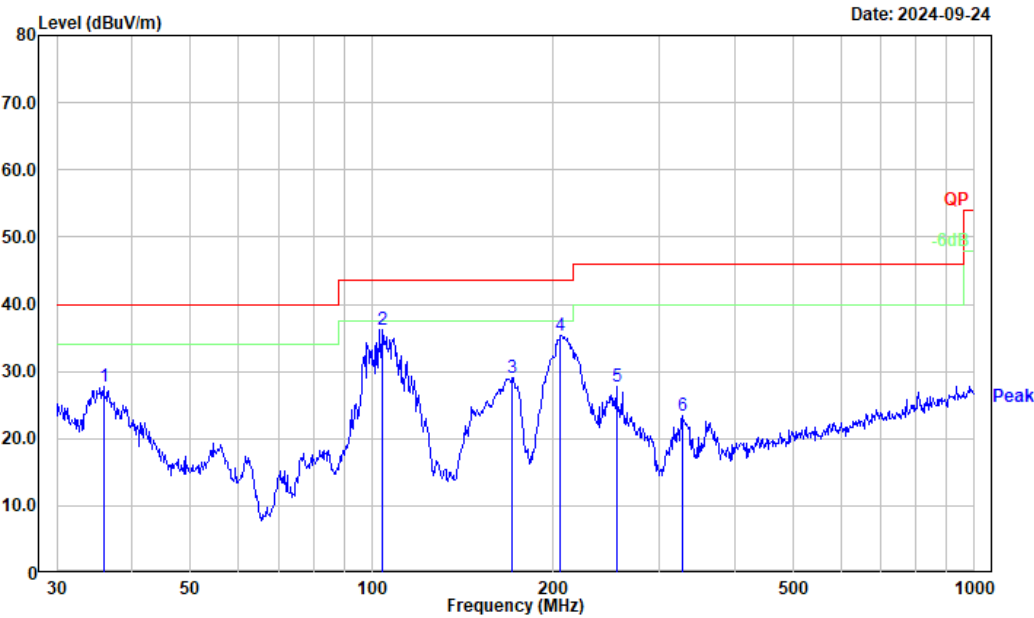
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	26.74	35.46	62.20	128.32	66.12	Peak
2	0.012	26.10	33.68	59.78	126.37	66.59	Peak
3	0.016	27.86	31.72	59.58	123.78	64.20	Peak
4	0.024	24.85	27.59	52.44	120.02	67.58	Peak
5	0.037	20.01	23.17	43.18	116.25	73.07	Peak
6	0.045	20.17	21.53	41.70	114.59	72.89	Peak

Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
 Polarization: Ground-parallel
 Note: Transmitting 15.249_5.8G Ground-parallel



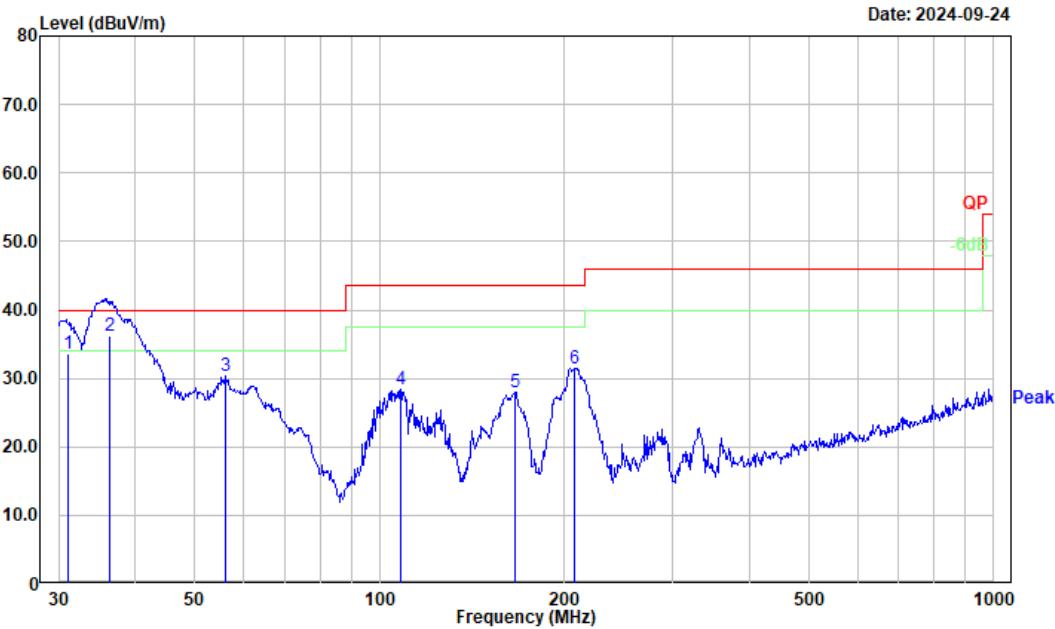
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.205	39.93	9.76	49.69	101.37	51.68	Peak
2	0.367	38.75	3.87	42.62	96.30	53.68	Peak
3	0.683	38.60	-1.16	37.44	70.86	33.42	Peak
4	1.249	37.04	-5.10	31.94	65.50	33.56	Peak
5	4.900	38.42	-8.88	29.54	69.54	40.00	Peak
6	16.140	38.18	-7.58	30.60	69.54	38.94	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: horizontal
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	35.875	35.72	-8.05	27.67	40.00	12.33	Peak
2	103.806	49.78	-13.48	36.30	43.50	7.20	Peak
3	170.793	41.76	-12.66	29.10	43.50	14.40	Peak
4	205.675	48.65	-13.38	35.27	43.50	8.23	Peak
5	254.728	40.27	-12.62	27.65	46.00	18.35	Peak
6	327.887	33.27	-9.85	23.42	46.00	22.58	Peak

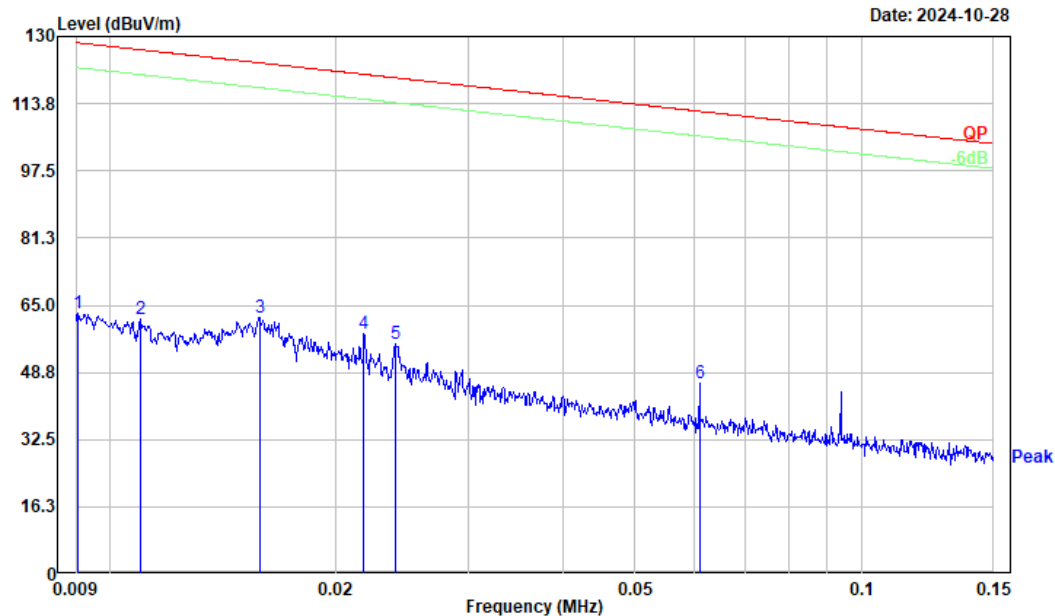
Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: vertical
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.019	38.06	-4.41	33.65	40.00	6.35	QP
2	36.431	44.80	-8.53	36.27	40.00	3.73	QP
3	56.001	48.11	-17.77	30.34	40.00	9.66	Peak
4	108.267	40.98	-12.56	28.42	43.50	15.08	Peak
5	166.068	40.28	-12.23	28.05	43.50	15.45	Peak
6	207.850	45.16	-13.67	31.49	43.50	12.01	Peak

GPCL-RF-A10-12-811-01-C1ID:

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.009	27.36	35.63	62.99	128.45	65.46	Peak
2	0.011	27.58	33.96	61.54	126.81	65.27	Peak
3	0.016	30.45	31.59	62.04	123.63	61.59	Peak
4	0.022	29.36	28.66	58.02	120.85	62.83	Peak
5	0.024	28.27	27.56	55.83	119.99	64.16	Peak
6	0.061	27.34	18.93	46.27	111.90	65.63	Peak

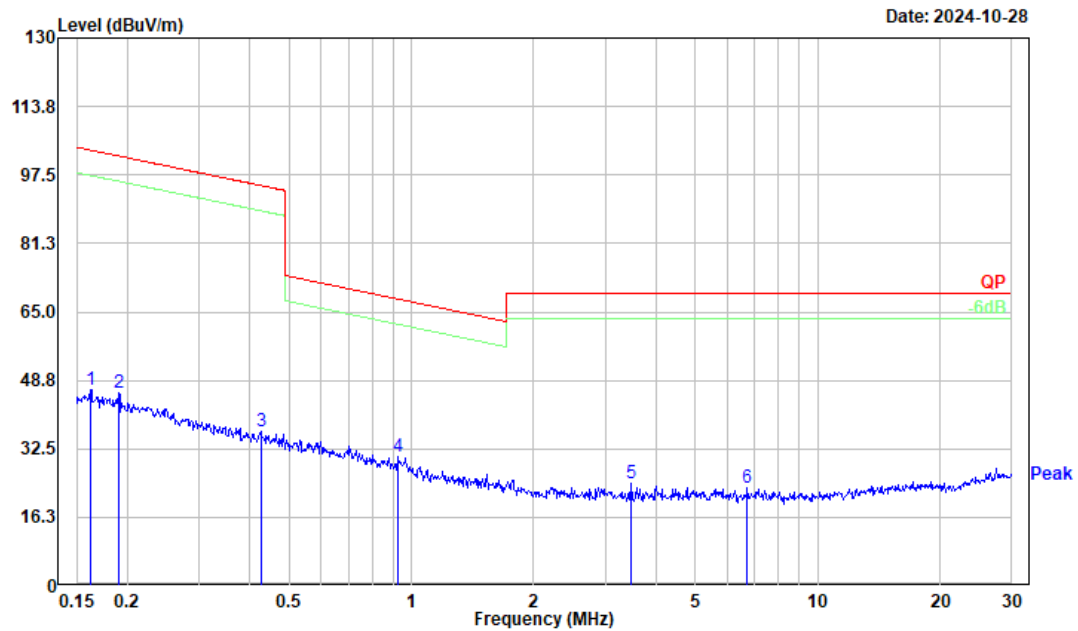
Project No.: 2403W89285E-RF

Tester: Roinin Fu

Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec

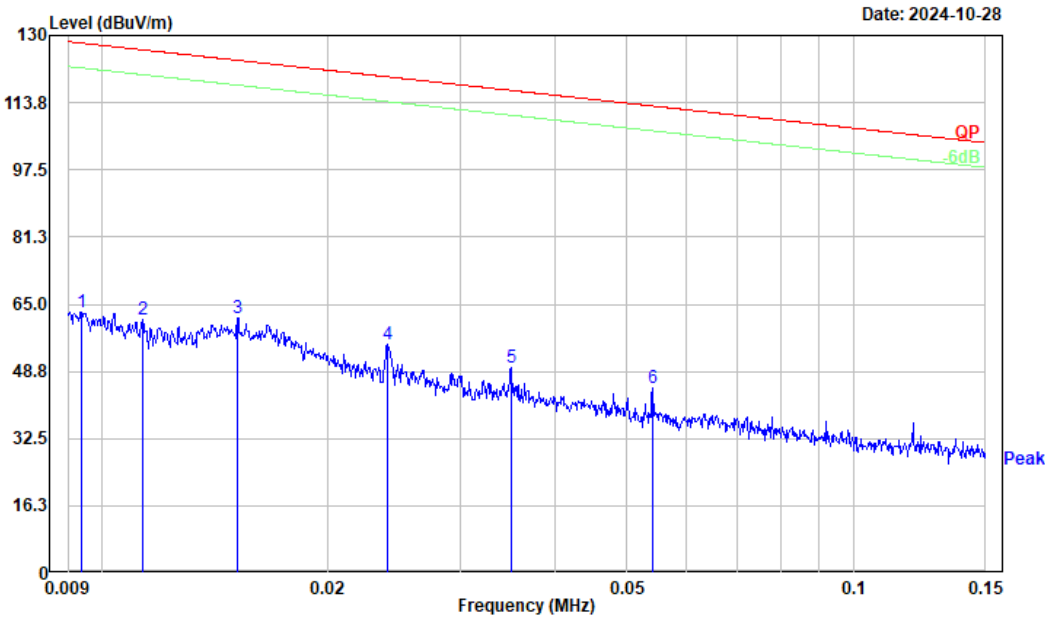
Polarization: Parallel

Note: Transmitting 15.249_5.8G



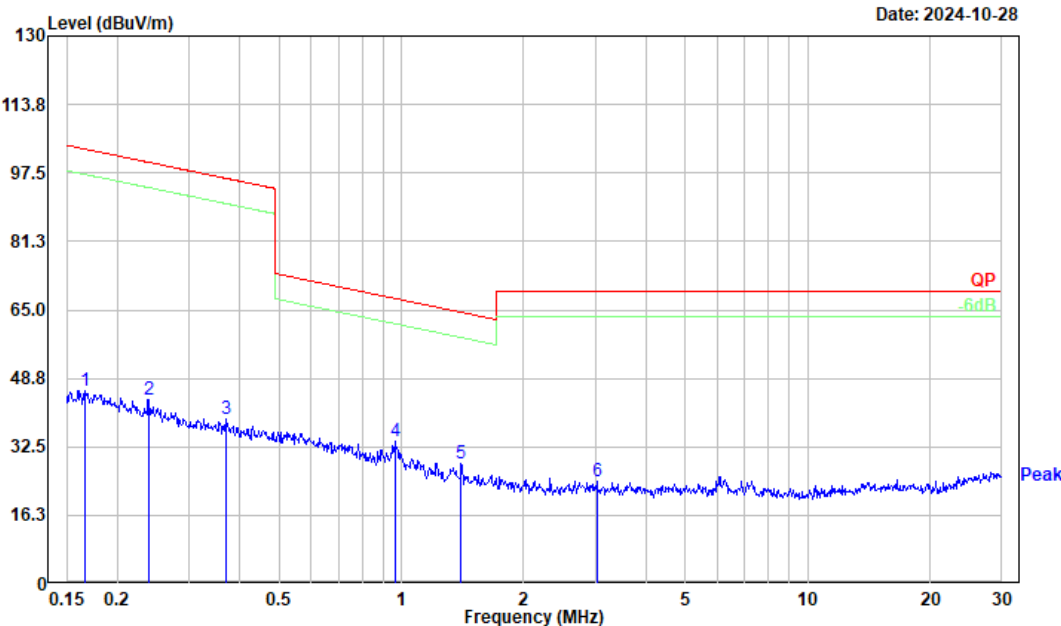
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.162	34.68	11.74	46.42	103.39	56.97	Peak
2	0.190	35.20	10.44	45.64	102.01	56.37	Peak
3	0.426	34.20	2.58	36.78	95.02	58.24	Peak
4	0.923	34.33	-3.56	30.77	68.18	37.41	Peak
5	3.472	32.73	-8.58	24.15	69.54	45.39	Peak
6	6.698	32.17	-8.85	23.32	69.54	46.22	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



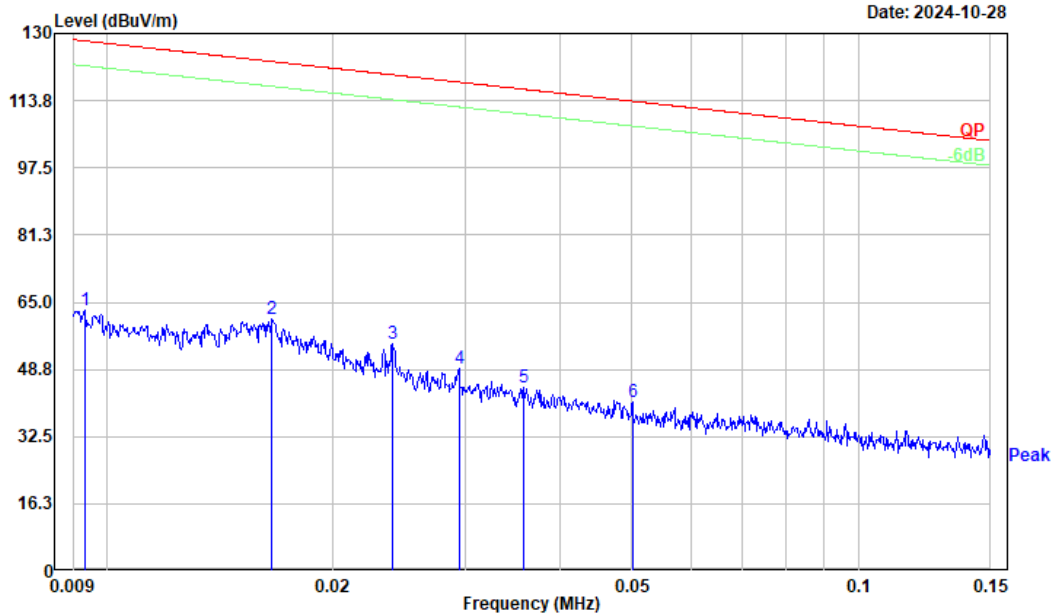
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	27.95	35.23	63.18	128.15	64.97	Peak
2	0.011	27.63	33.78	61.41	126.52	65.11	Peak
3	0.015	29.75	31.91	61.66	124.00	62.34	Peak
4	0.024	27.74	27.59	55.33	120.02	64.69	Peak
5	0.035	26.06	23.57	49.63	116.72	67.09	Peak
6	0.054	24.97	19.88	44.85	112.95	68.10	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



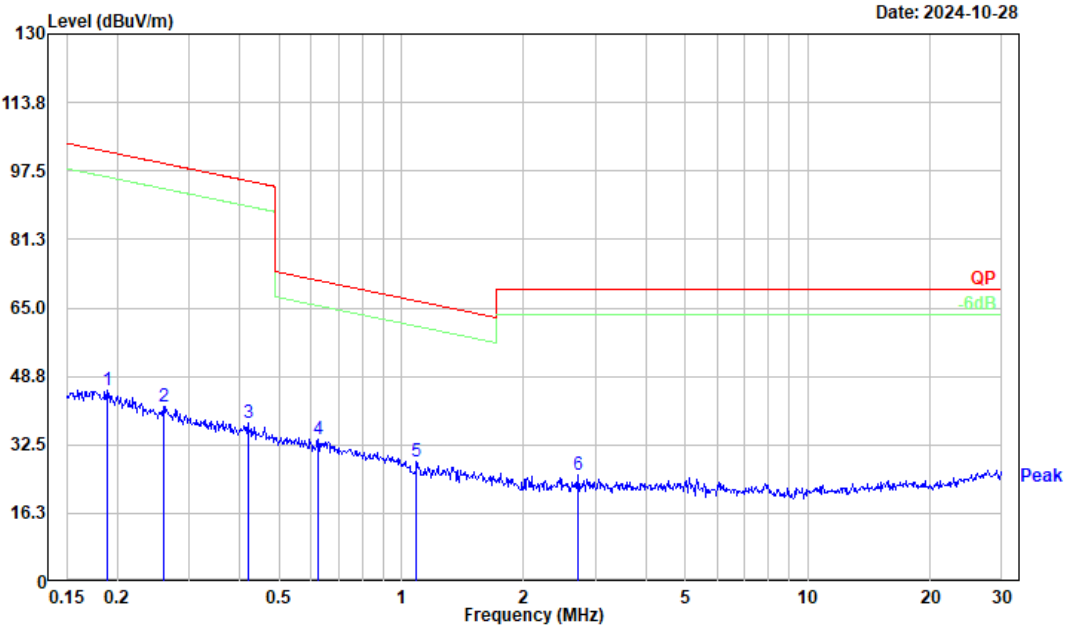
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.166	34.15	11.58	45.73	103.21	57.48	Peak
2	0.239	35.39	8.17	43.56	100.03	56.47	Peak
3	0.369	35.34	3.83	39.17	96.26	57.09	Peak
4	0.963	37.90	-3.90	34.00	67.80	33.80	Peak
5	1.403	34.21	-5.64	28.57	64.47	35.90	Peak
6	3.025	32.81	-8.33	24.48	69.54	45.06	Peak

Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
 Polarization: Ground-parallel
 Note: Transmitting 15.249_5.8G



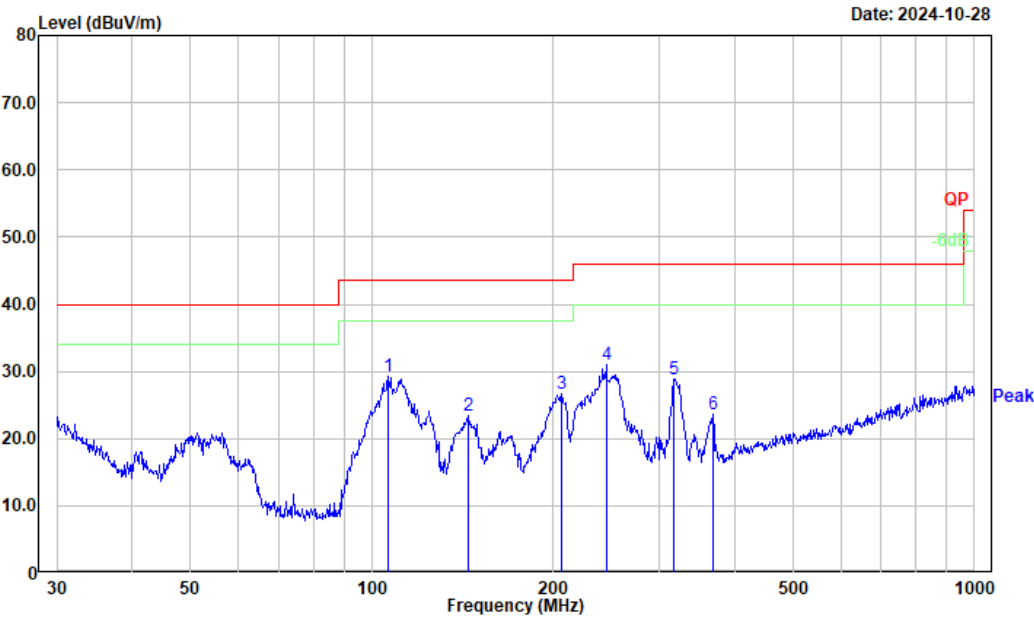
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	27.61	35.29	62.90	128.20	65.30	Peak
2	0.017	29.67	31.21	60.88	123.22	62.34	Peak
3	0.024	27.51	27.59	55.10	120.02	64.92	Peak
4	0.029	23.93	24.91	48.84	118.23	69.39	Peak
5	0.036	20.98	23.41	44.39	116.52	72.13	Peak
6	0.050	20.48	20.42	40.90	113.61	72.71	Peak

Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
 Polarization: Ground-parallel
 Note: Transmitting 15.249_5.8G



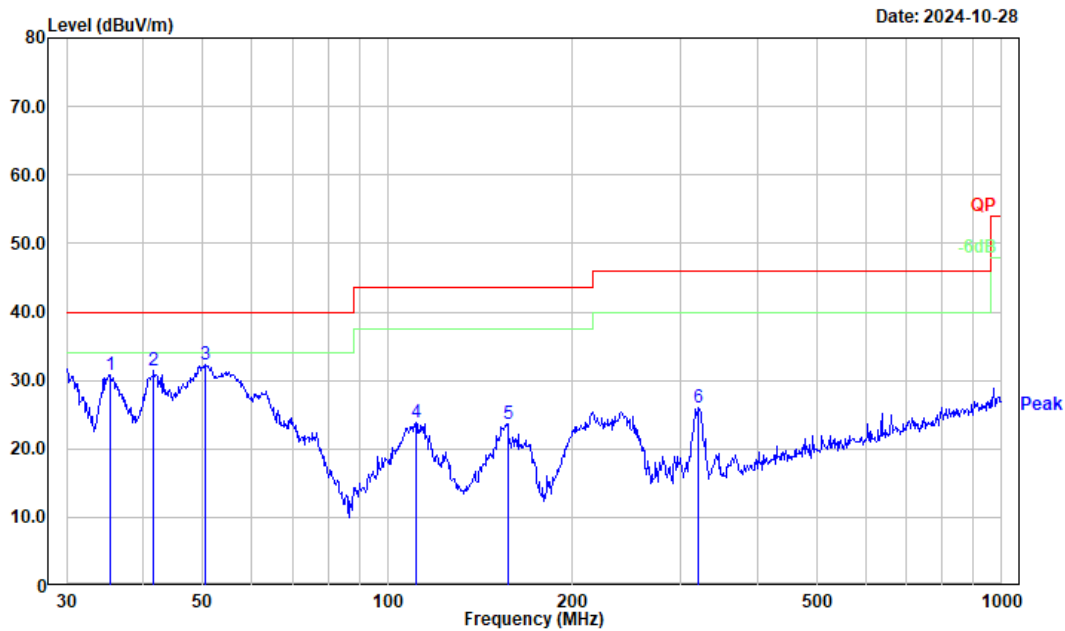
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.188	35.02	10.53	45.55	102.10	56.55	Peak
2	0.260	34.54	7.20	41.74	99.30	57.56	Peak
3	0.419	34.81	2.73	37.54	95.15	57.61	Peak
4	0.624	34.20	-0.47	33.73	71.66	37.93	Peak
5	1.088	32.96	-4.53	28.43	66.72	38.29	Peak
6	2.721	33.51	-8.15	25.36	69.54	44.18	Peak

Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
 Polarization: horizontal
 Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	106.385	42.13	-12.85	29.28	43.50	14.22	Peak
2	144.335	35.53	-12.07	23.46	43.50	20.04	Peak
3	206.398	40.04	-13.48	26.56	43.50	16.94	Peak
4	245.090	43.81	-12.85	30.96	46.00	15.04	Peak
5	317.701	38.98	-10.05	28.93	46.00	17.07	Peak
6	368.112	32.70	-9.16	23.54	46.00	22.46	Peak

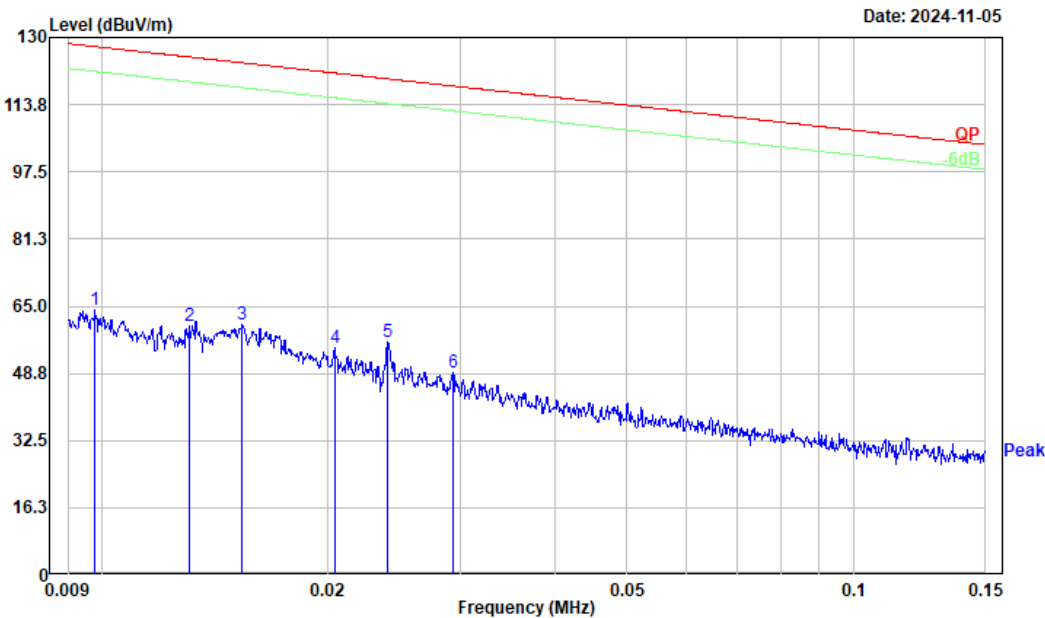
Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
 Polarization: vertical
 Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	35.251	38.41	-7.61	30.80	40.00	9.20	Peak
2	41.567	43.85	-12.39	31.46	40.00	8.54	Peak
3	50.409	49.26	-17.06	32.20	40.00	7.80	Peak
4	111.347	35.93	-12.07	23.86	43.50	19.64	Peak
5	157.007	35.52	-11.84	23.68	43.50	19.82	Peak
6	319.937	36.00	-10.05	25.95	46.00	20.05	Peak

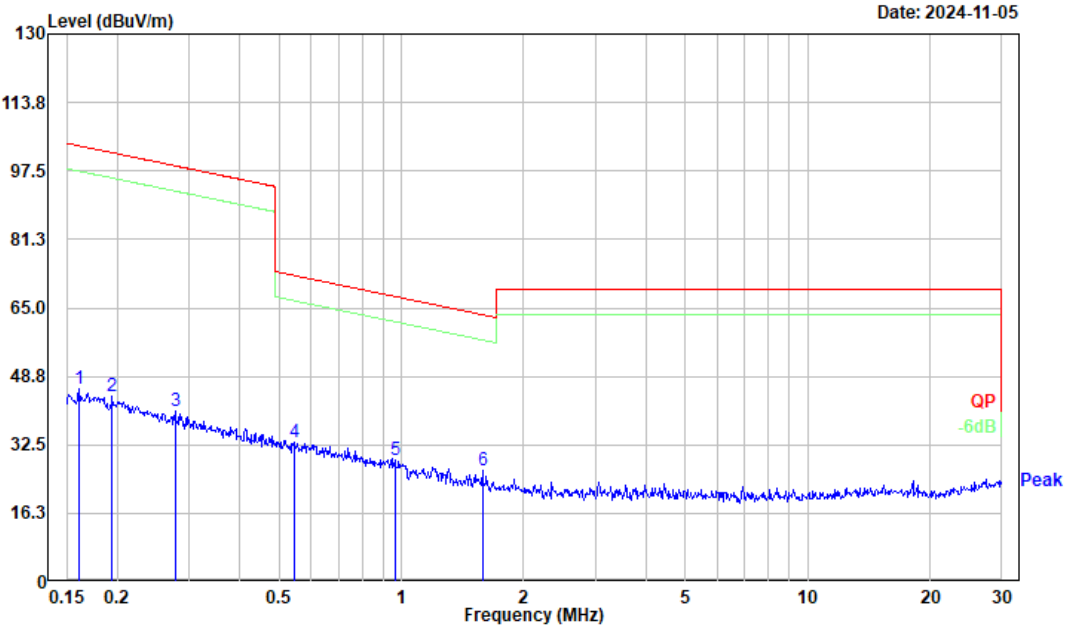
GPCL-RA-A14-24-811-01-C1ID:

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G



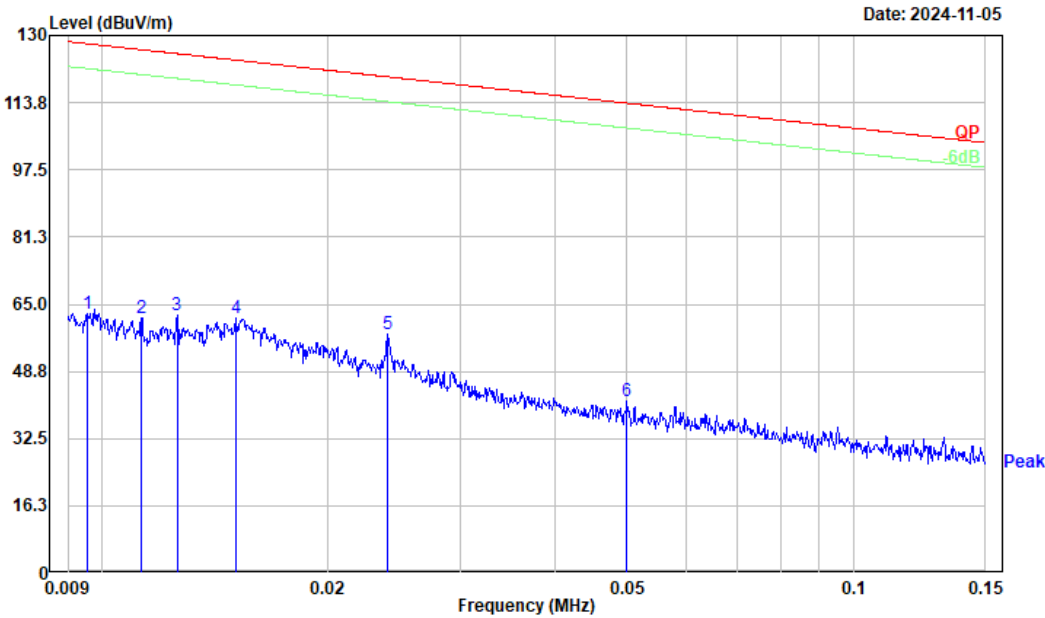
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.010	29.42	34.70	64.12	127.79	63.67	Peak
2	0.013	27.31	32.92	60.23	125.27	65.04	Peak
3	0.015	28.72	31.80	60.52	123.88	63.36	Peak
4	0.020	25.79	29.33	55.12	121.41	66.29	Peak
5	0.024	28.94	27.56	56.50	119.99	63.49	Peak
6	0.029	23.91	24.95	48.86	118.26	69.40	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G



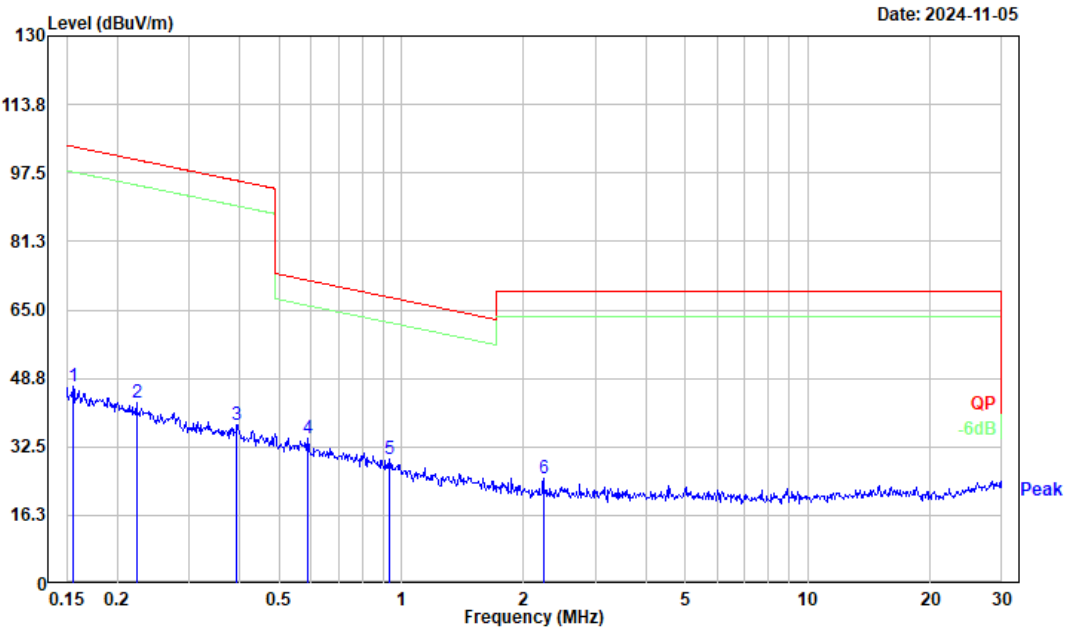
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.161	34.14	11.82	45.96	103.48	57.52	Peak
2	0.194	33.63	10.25	43.88	101.83	57.95	Peak
3	0.277	34.00	6.40	40.40	98.74	58.34	Peak
4	0.544	32.50	0.45	32.95	72.88	39.93	Peak
5	0.963	32.62	-3.90	28.72	67.80	39.08	Peak
6	1.585	32.63	-6.29	26.34	63.39	37.05	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



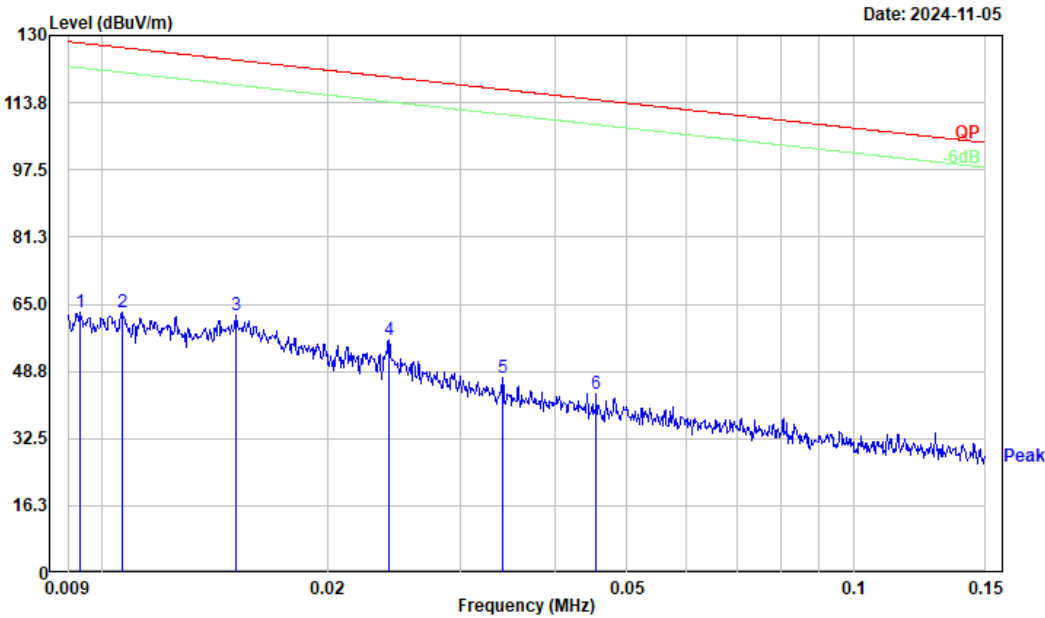
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.010	27.86	34.98	62.84	127.98	65.14	Peak
2	0.011	27.81	33.81	61.62	126.56	64.94	Peak
3	0.013	29.35	33.17	62.52	125.61	63.09	Peak
4	0.015	29.84	31.95	61.79	124.05	62.26	Peak
5	0.024	30.10	27.59	57.69	120.02	62.33	Peak
6	0.050	21.11	20.45	41.56	113.64	72.08	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



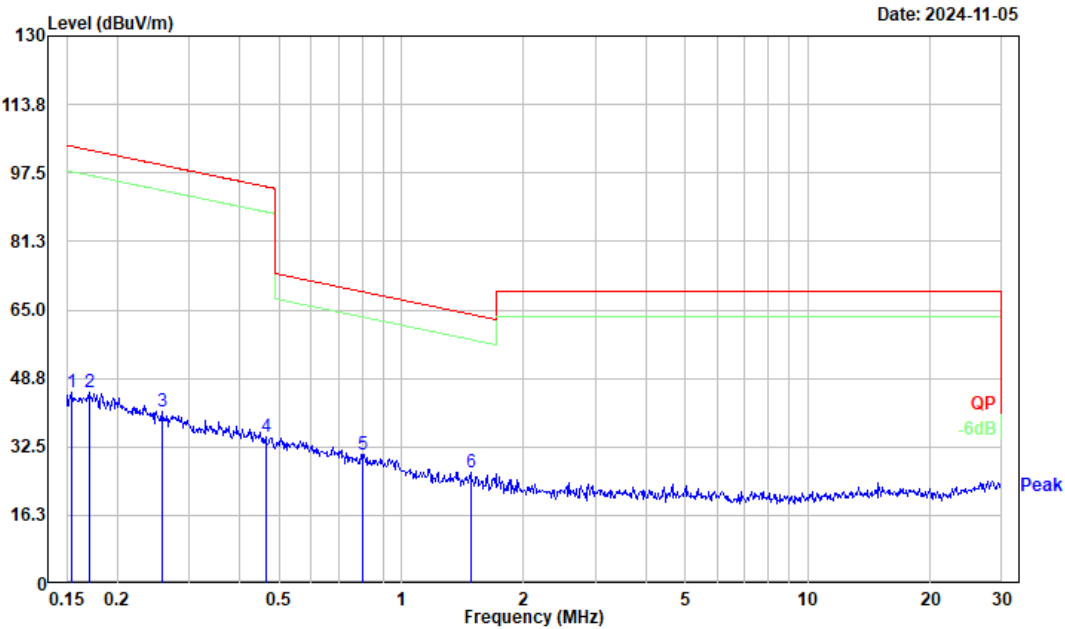
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.156	34.71	12.05	46.76	103.76	57.00	Peak
2	0.223	34.15	8.91	43.06	100.63	57.57	Peak
3	0.393	34.50	3.29	37.79	95.71	57.92	Peak
4	0.589	34.67	-0.06	34.61	72.18	37.57	Peak
5	0.933	33.08	-3.64	29.44	68.09	38.65	Peak
6	2.237	32.95	-7.89	25.06	69.54	44.48	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting 15.249_5.8G



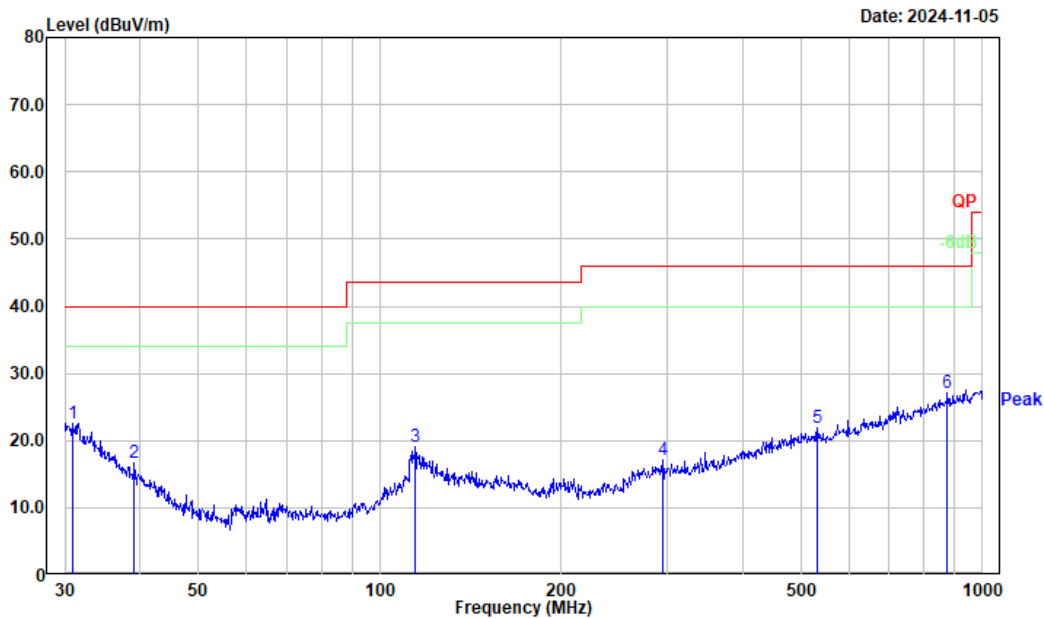
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	27.79	35.26	63.05	128.18	65.13	Peak
2	0.011	29.06	34.12	63.18	127.08	63.90	Peak
3	0.015	30.26	31.93	62.19	124.02	61.83	Peak
4	0.024	28.87	27.52	56.39	119.97	63.58	Peak
5	0.034	23.57	23.76	47.33	116.94	69.61	Peak
6	0.046	22.08	21.37	43.45	114.44	70.99	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting 15.249_5.8G



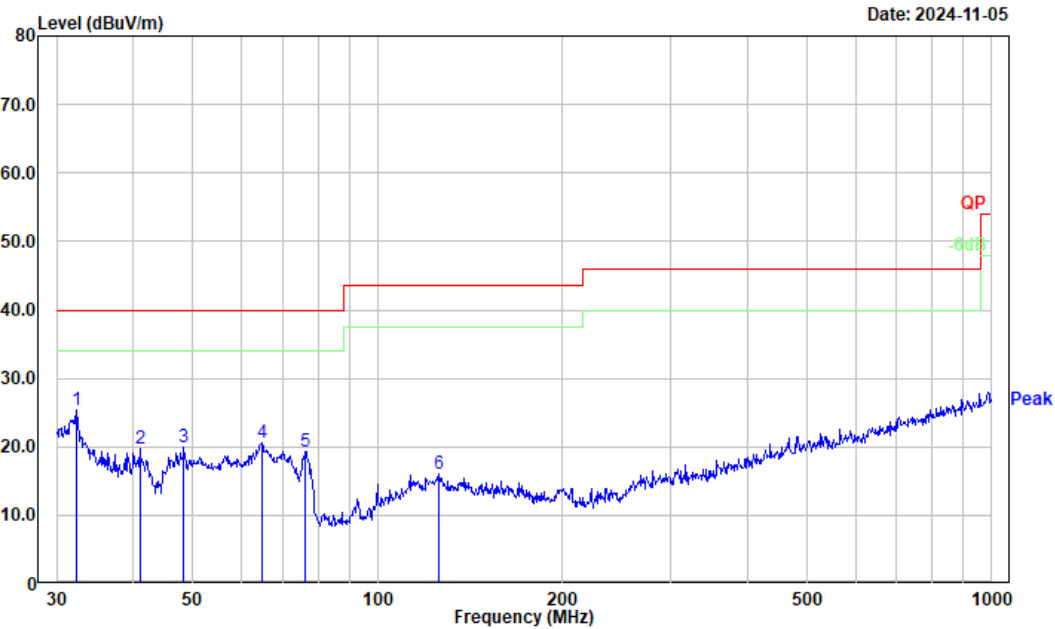
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.154	33.42	12.13	45.55	103.85	58.30	Peak
2	0.170	33.96	11.37	45.33	102.98	57.65	Peak
3	0.259	33.54	7.26	40.80	99.34	58.54	Peak
4	0.464	33.02	1.76	34.78	94.28	59.50	Peak
5	0.804	33.34	-2.56	30.78	69.40	38.62	Peak
6	1.480	32.29	-5.92	26.37	64.00	37.63	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: horizontal
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.853	26.94	-4.31	22.63	40.00	17.37	Peak
2	39.162	27.37	-10.70	16.67	40.00	23.33	Peak
3	114.515	30.79	-11.65	19.14	43.50	24.36	Peak
4	294.114	27.61	-10.46	17.15	46.00	28.85	Peak
5	531.964	27.22	-5.37	21.85	46.00	24.15	Peak
6	875.247	27.54	-0.50	27.04	46.00	18.96	Peak

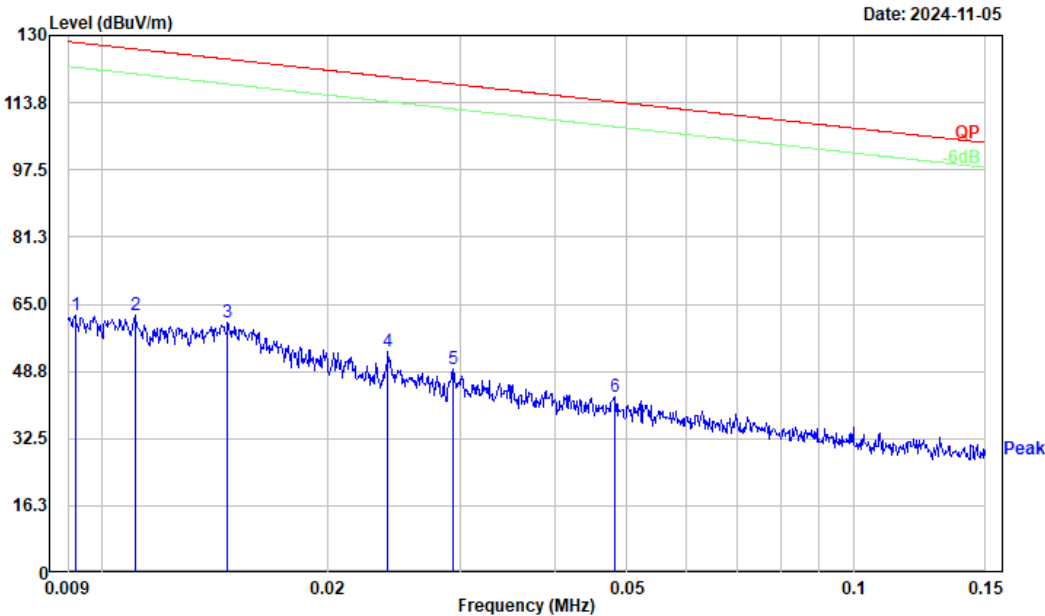
Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: vertical
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.293	30.85	-5.44	25.41	40.00	14.59	Peak
2	40.988	31.81	-11.99	19.82	40.00	20.18	Peak
3	48.332	36.48	-16.46	20.02	40.00	19.98	Peak
4	64.887	38.08	-17.47	20.61	40.00	19.39	Peak
5	76.244	36.43	-17.10	19.33	40.00	20.67	Peak
6	125.446	27.00	-11.02	15.98	43.50	27.52	Peak

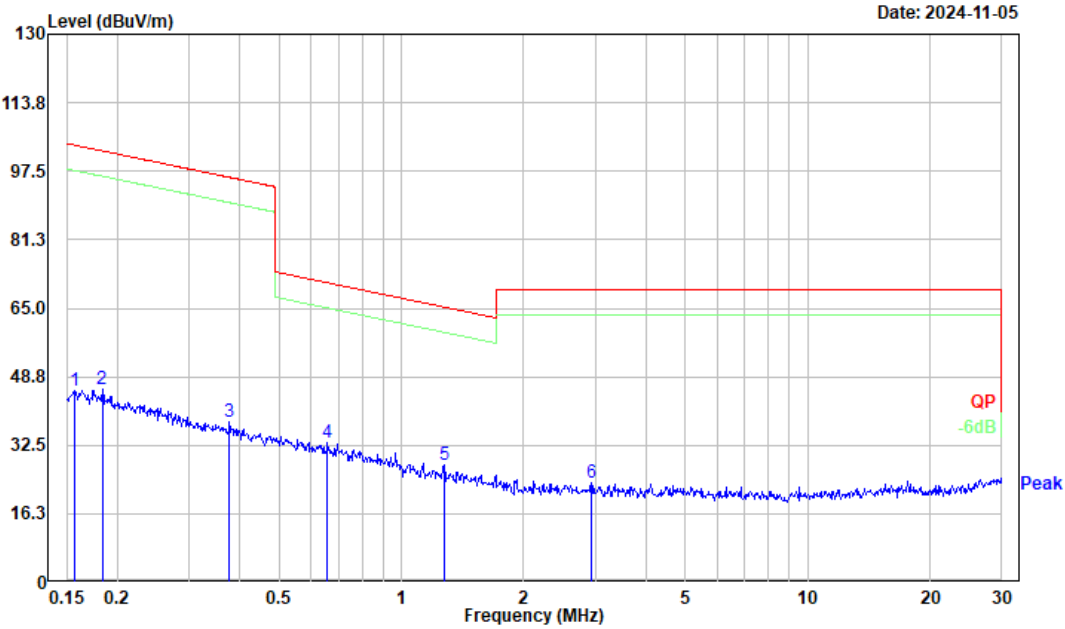
GPCL-RB-A11-20-811-01-C1ID:

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G



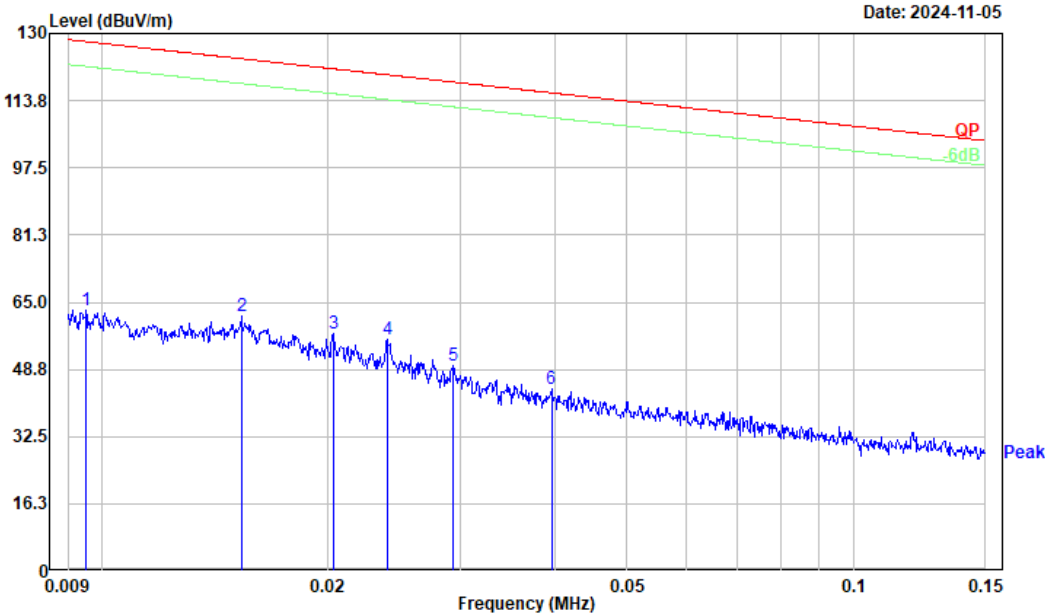
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	26.99	35.46	62.45	128.32	65.87	Peak
2	0.011	28.39	33.91	62.30	126.74	64.44	Peak
3	0.015	28.33	32.13	60.46	124.27	63.81	Peak
4	0.024	26.02	27.56	53.58	119.99	66.41	Peak
5	0.029	24.21	24.95	49.16	118.26	69.10	Peak
6	0.048	21.71	20.82	42.53	113.96	71.43	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G



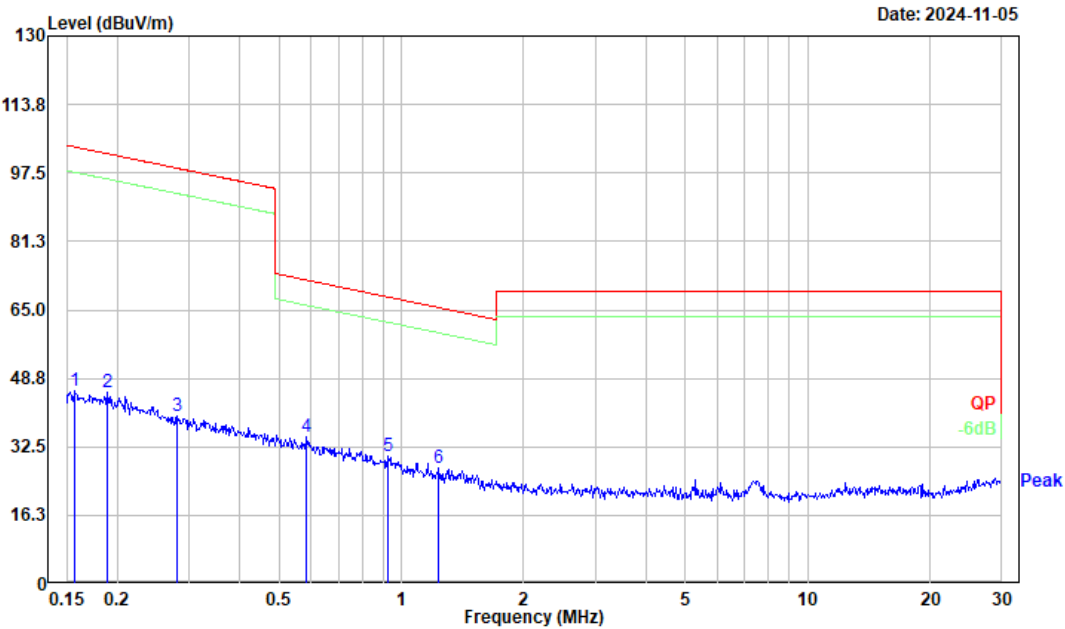
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.156	33.42	12.01	45.43	103.71	58.28	Peak
2	0.183	34.98	10.76	45.74	102.33	56.59	Peak
3	0.377	34.40	3.65	38.05	96.07	58.02	Peak
4	0.658	34.16	-0.87	33.29	71.19	37.90	Peak
5	1.276	33.04	-5.19	27.85	65.31	37.46	Peak
6	2.931	32.04	-8.27	23.77	69.54	45.77	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



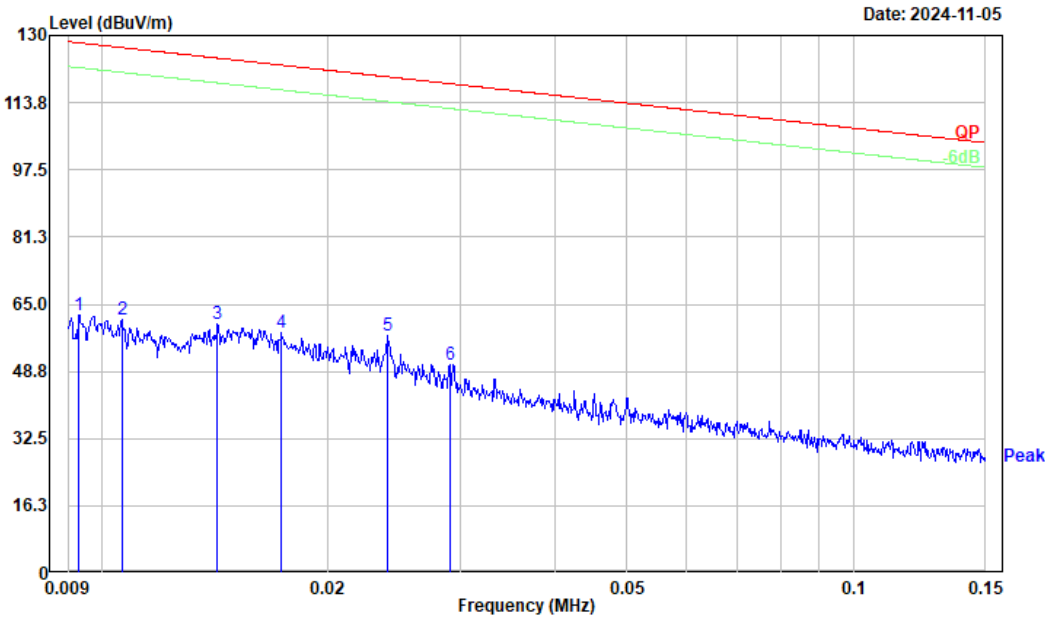
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.010	28.12	35.05	63.17	128.03	64.86	Peak
2	0.015	29.78	31.82	61.60	123.90	62.30	Peak
3	0.020	28.02	29.39	57.41	121.46	64.05	Peak
4	0.024	28.51	27.59	56.10	120.02	63.92	Peak
5	0.029	24.68	24.95	49.63	118.26	68.63	Peak
6	0.040	21.36	22.61	43.97	115.64	71.67	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



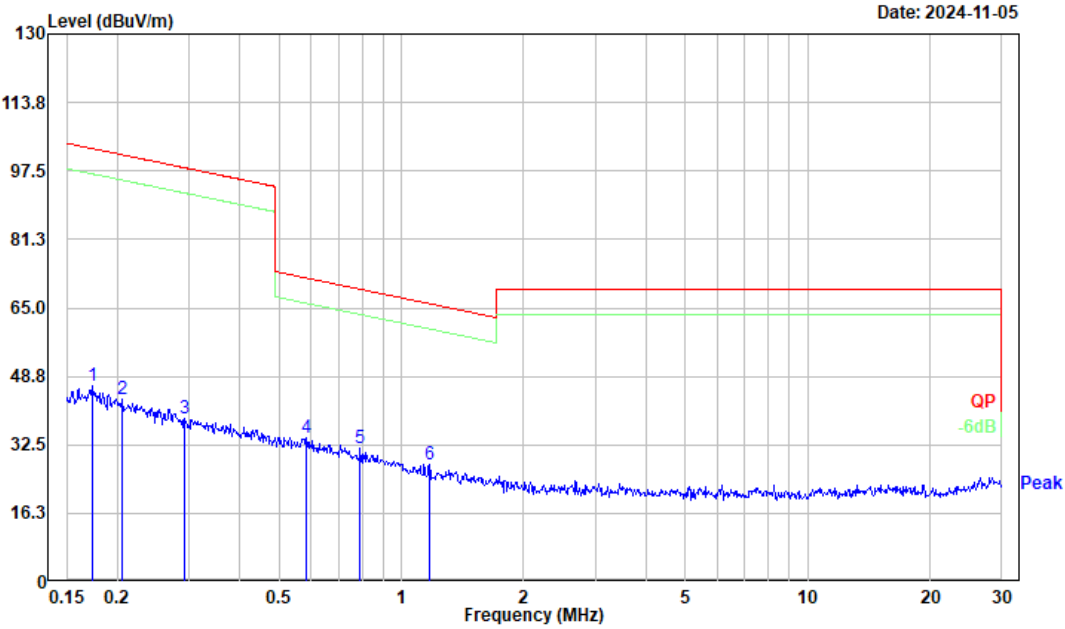
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.156	33.92	12.01	45.93	103.71	57.78	Peak
2	0.188	34.87	10.53	45.40	102.10	56.70	Peak
3	0.280	33.38	6.27	39.65	98.65	59.00	Peak
4	0.585	34.91	-0.03	34.88	72.22	37.34	Peak
5	0.923	33.77	-3.56	30.21	68.18	37.97	Peak
6	1.236	32.66	-5.05	27.61	65.60	37.99	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting 15.249_5.8G



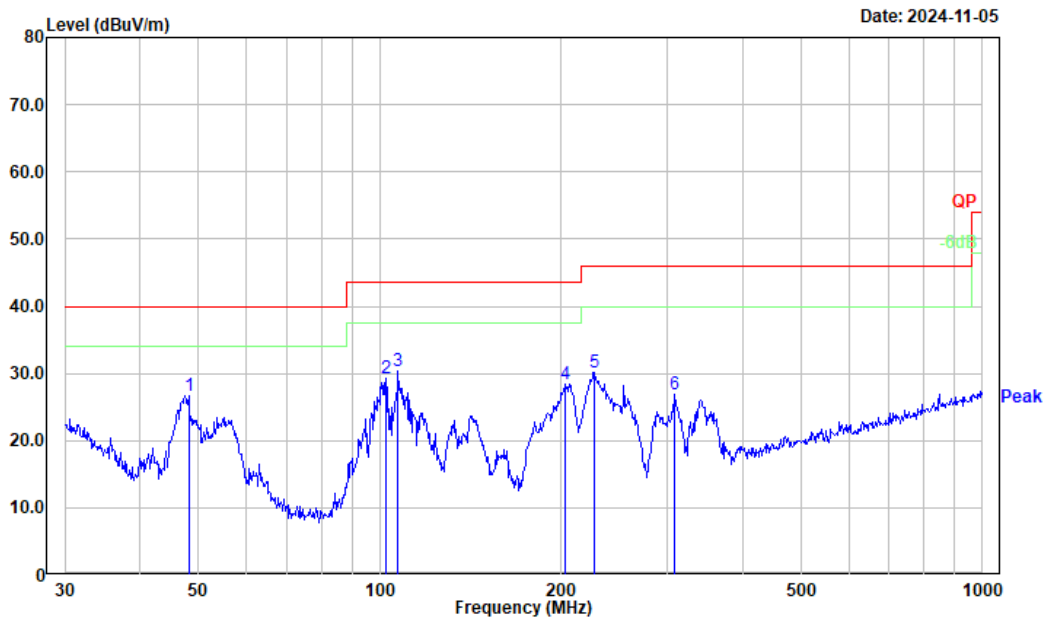
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	27.15	35.33	62.48	128.23	65.75	Peak
2	0.011	27.01	34.12	61.13	127.08	65.95	Peak
3	0.014	27.72	32.35	60.07	124.54	64.47	Peak
4	0.017	27.39	30.84	58.23	122.83	64.60	Peak
5	0.024	29.72	27.56	57.28	119.99	62.71	Peak
6	0.029	25.34	25.12	50.46	118.35	67.89	Peak

Project No.: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
 Polarization: Ground-parallel
 Note: Transmitting 15.249_5.8G



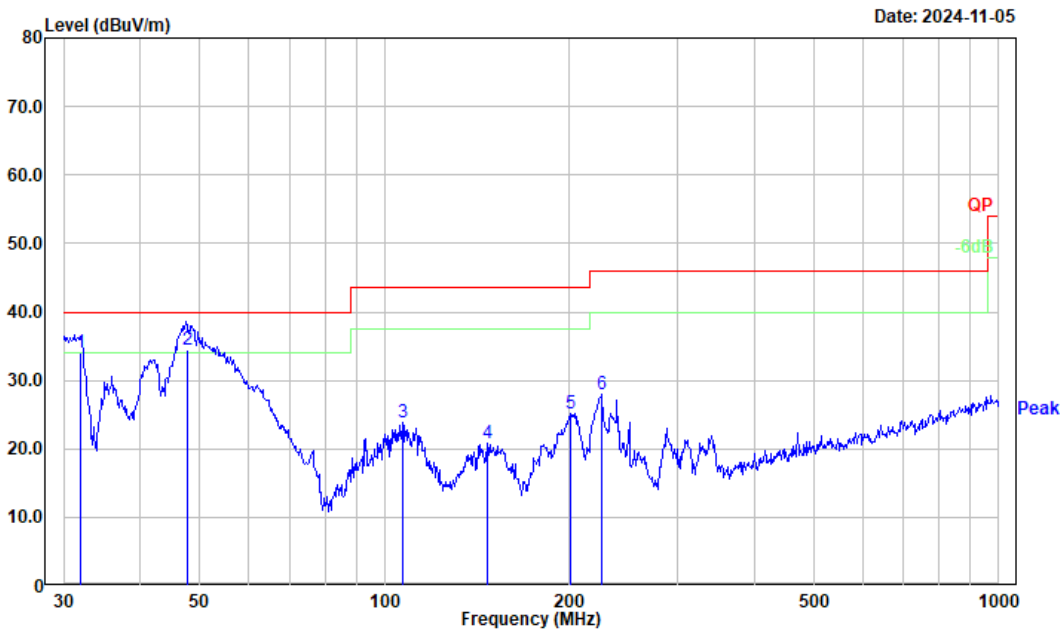
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.174	35.35	11.20	46.55	102.79	56.24	Peak
2	0.205	33.63	9.76	43.39	101.37	57.98	Peak
3	0.292	33.18	5.70	38.88	98.28	59.40	Peak
4	0.585	34.16	-0.03	34.13	72.22	38.09	Peak
5	0.792	34.02	-2.42	31.60	69.54	37.94	Peak
6	1.172	32.66	-4.82	27.84	66.07	38.23	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: horizontal
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	48.163	43.10	-16.42	26.68	40.00	13.32	Peak
2	102.360	43.11	-13.77	29.34	43.50	14.16	Peak
3	107.134	42.98	-12.70	30.28	43.50	13.22	Peak
4	203.523	41.30	-12.99	28.31	43.50	15.19	Peak
5	226.894	43.47	-13.34	30.13	46.00	15.87	Peak
6	308.913	37.06	-10.19	26.87	46.00	19.13	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec
Polarization: vertical
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.955	39.12	-5.16	33.96	40.00	6.04	QP
2	47.805	50.69	-16.29	34.40	40.00	5.60	QP
3	106.759	36.70	-12.77	23.93	43.50	19.57	Peak
4	146.888	32.91	-12.06	20.85	43.50	22.65	Peak
5	200.688	37.58	-12.45	25.13	43.50	18.37	Peak
6	226.099	41.35	-13.38	27.97	46.00	18.03	Peak

GPCL-RQ-A14-24-811-01-C1ID:

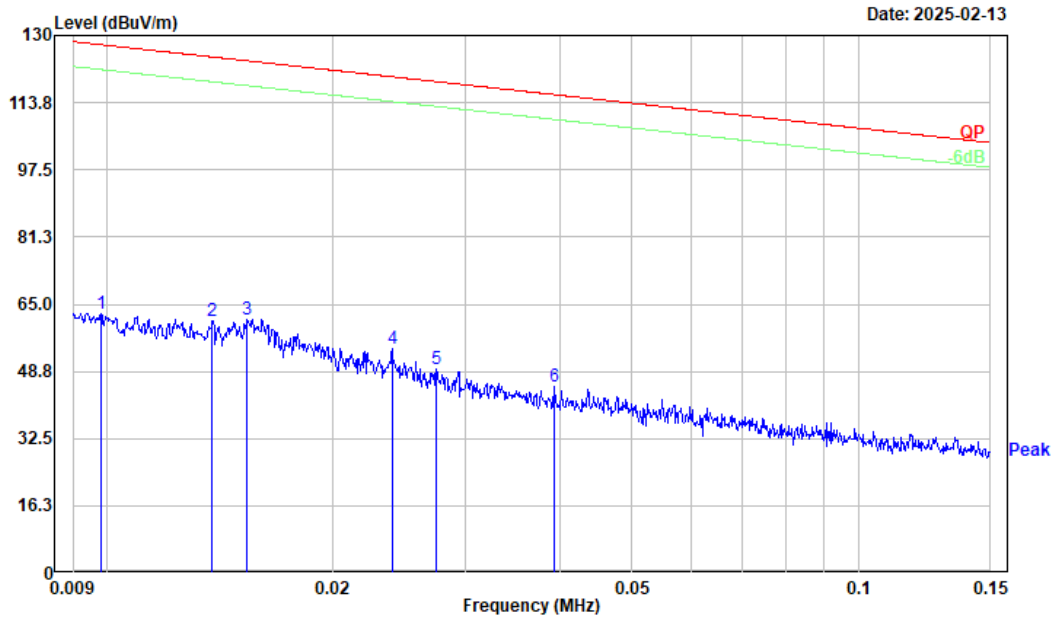
Project No.: 2403W89285E-RF

Tester: Roinin Fu

Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec

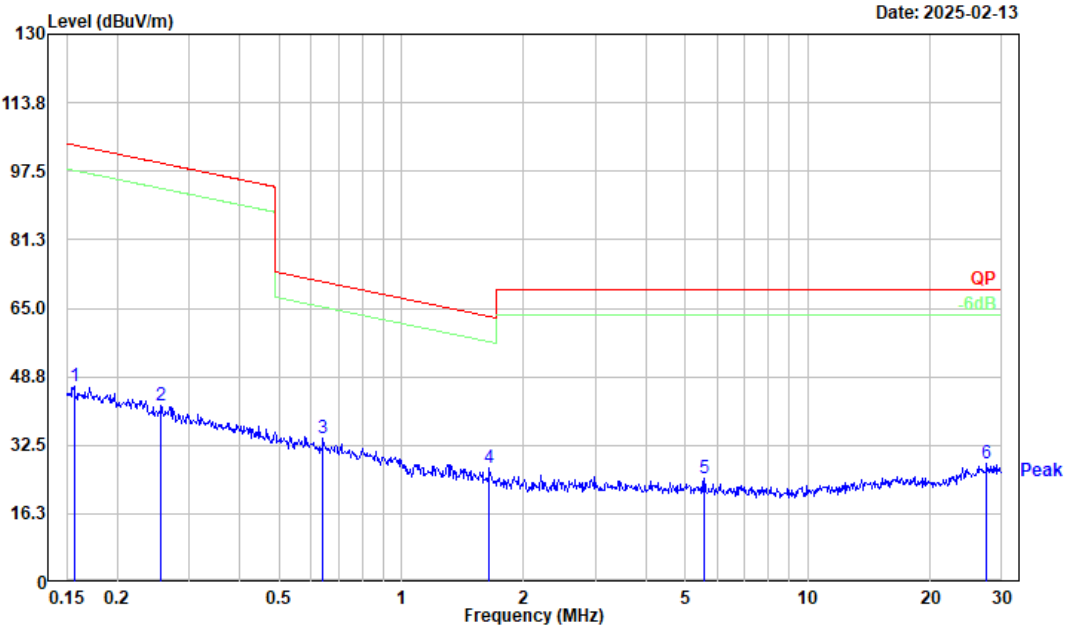
Polarization: Parallel

Note: Transmitting 15.249_5.8G



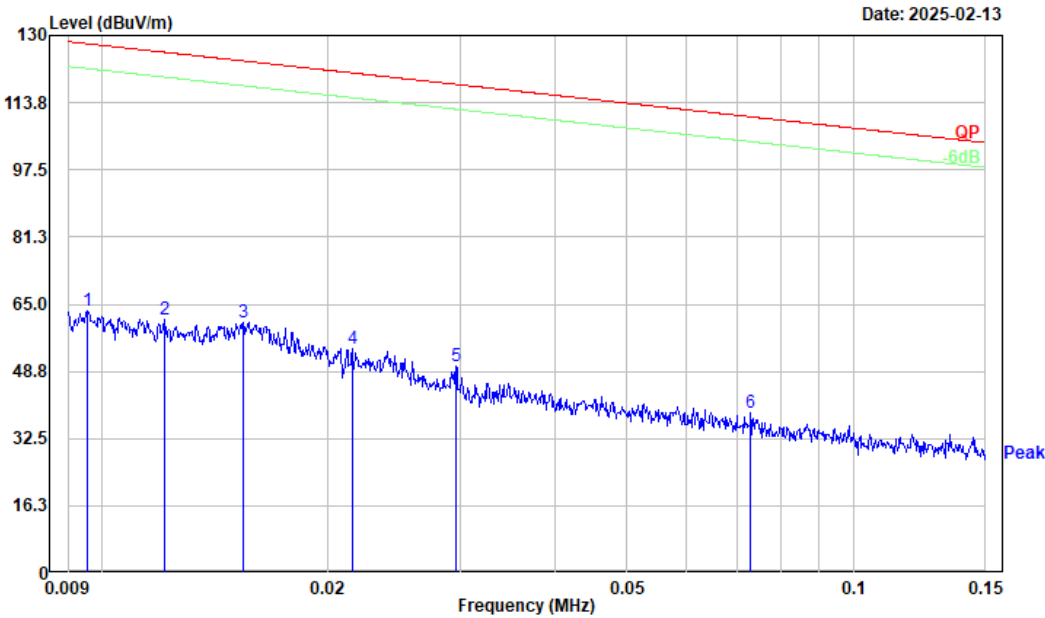
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.010	28.14	34.67	62.81	127.76	64.95	Peak
2	0.014	28.50	32.58	61.08	124.81	63.73	Peak
3	0.015	29.49	31.81	61.30	123.88	62.58	Peak
4	0.024	26.62	27.60	54.22	120.02	65.80	Peak
5	0.027	23.52	25.90	49.42	118.84	69.42	Peak
6	0.039	22.56	22.69	45.25	115.71	70.46	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Parallel
Note: Transmitting 15.249_5.8G



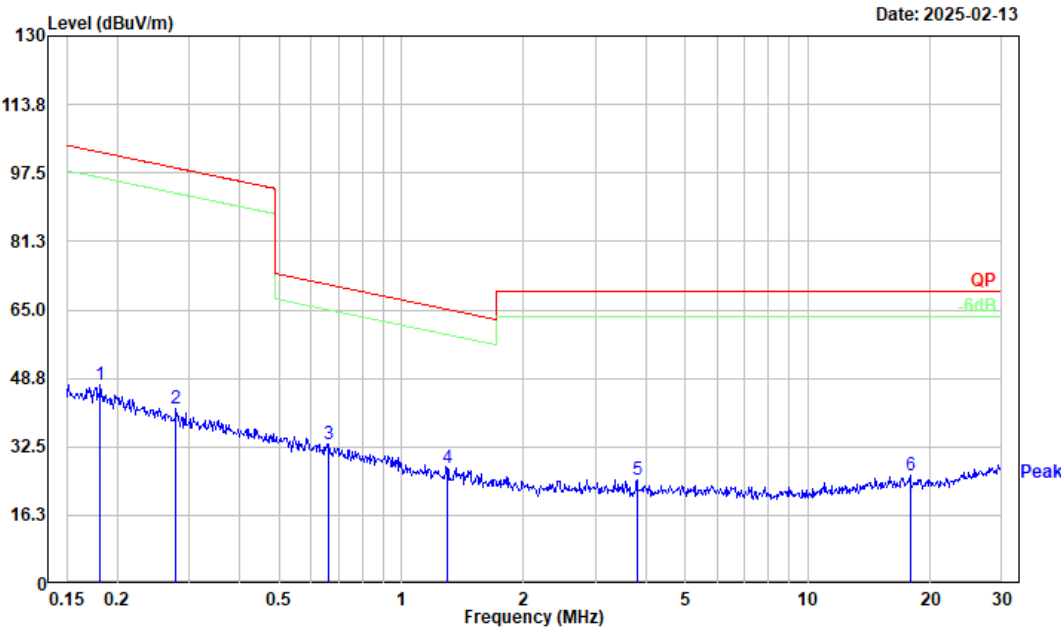
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.156	34.36	12.02	46.38	103.71	57.33	Peak
2	0.256	34.68	7.40	42.08	99.43	57.35	Peak
3	0.641	34.99	-0.66	34.33	71.42	37.09	Peak
4	1.645	33.61	-6.48	27.13	63.06	35.93	Peak
5	5.564	33.40	-8.89	24.51	69.54	45.03	Peak
6	27.562	35.61	-7.41	28.20	69.54	41.34	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.010	28.30	34.99	63.29	127.98	64.69	Peak
2	0.012	27.79	33.41	61.20	125.95	64.75	Peak
3	0.015	28.79	31.79	60.58	123.85	63.27	Peak
4	0.022	25.31	28.79	54.10	120.94	66.84	Peak
5	0.030	25.15	24.84	49.99	118.18	68.19	Peak
6	0.073	21.28	17.31	38.59	110.34	71.75	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Perpendicular
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.182	36.41	10.86	47.27	102.43	55.16	Peak
2	0.279	35.09	6.36	41.45	98.70	57.25	Peak
3	0.661	33.91	-0.89	33.02	71.14	38.12	Peak
4	1.296	32.87	-5.25	27.62	65.17	37.55	Peak
5	3.799	33.41	-8.75	24.66	69.54	44.88	Peak
6	17.849	33.29	-7.60	25.69	69.54	43.85	Peak

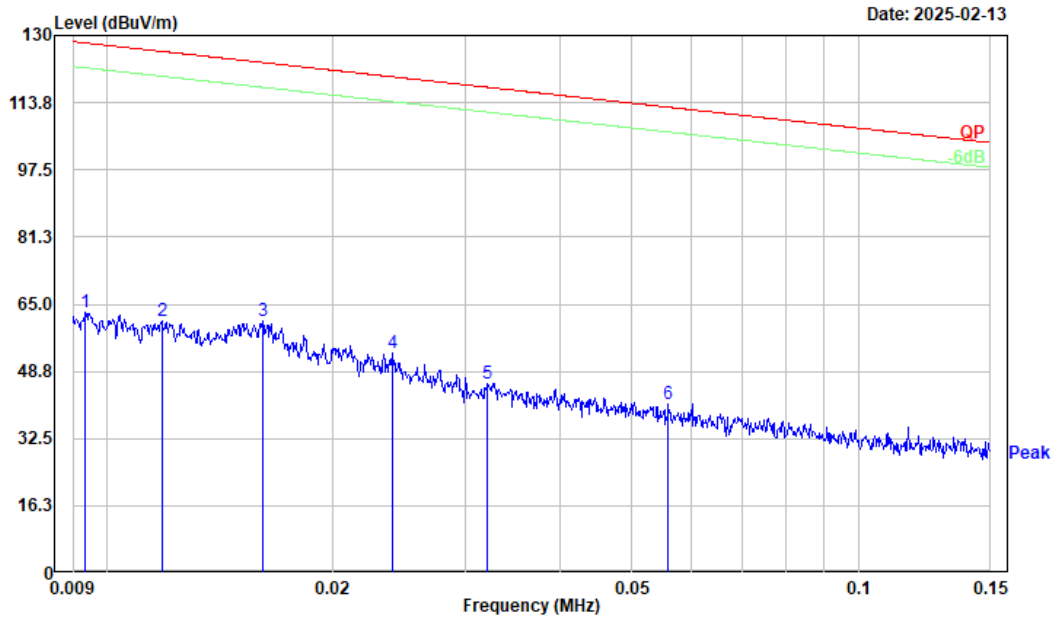
Project No.: 2403W89285E-RF

Tester: Roinin Fu

Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1 sec

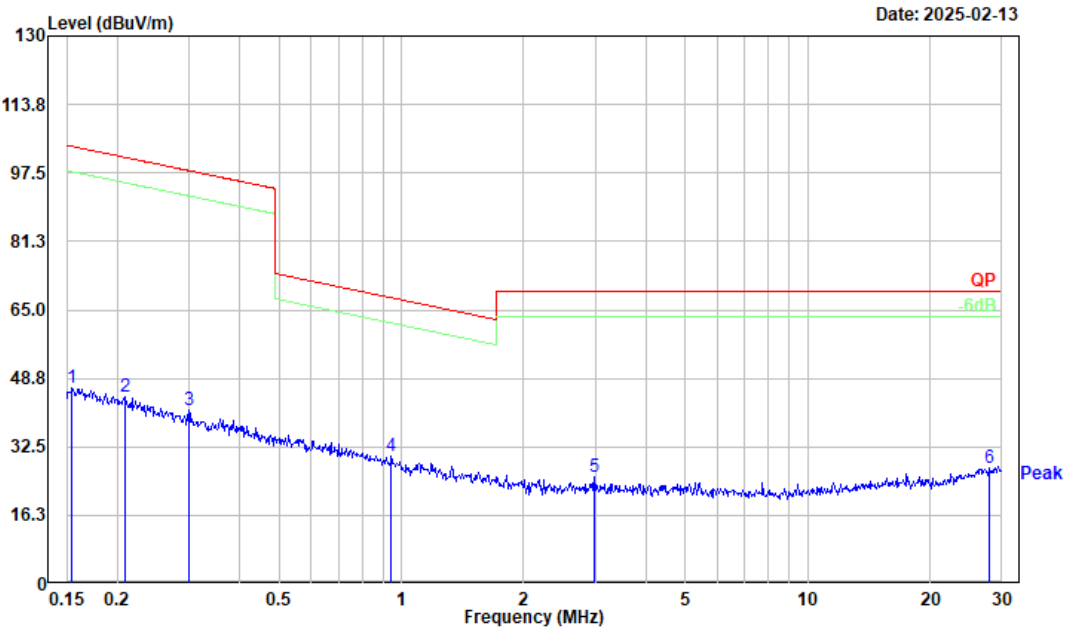
Polarization: Ground-parallel

Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.009	27.85	35.26	63.11	128.18	65.07	Peak
2	0.012	27.34	33.55	60.89	126.15	65.26	Peak
3	0.016	29.45	31.44	60.89	123.46	62.57	Peak
4	0.024	25.52	27.60	53.12	120.02	66.90	Peak
5	0.032	21.61	24.20	45.81	117.47	71.66	Peak
6	0.056	21.16	19.64	40.80	112.66	71.86	Peak

Project No.: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1 sec
Polarization: Ground-parallel
Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	0.155	34.31	12.10	46.41	103.81	57.40	Peak
2	0.209	34.93	9.56	44.49	101.18	56.69	Peak
3	0.300	35.85	5.36	41.21	98.05	56.84	Peak
4	0.943	34.14	-3.72	30.42	67.99	37.57	Peak
5	2.978	33.62	-8.29	25.33	69.54	44.21	Peak
6	27.855	34.78	-7.40	27.38	69.54	42.16	Peak

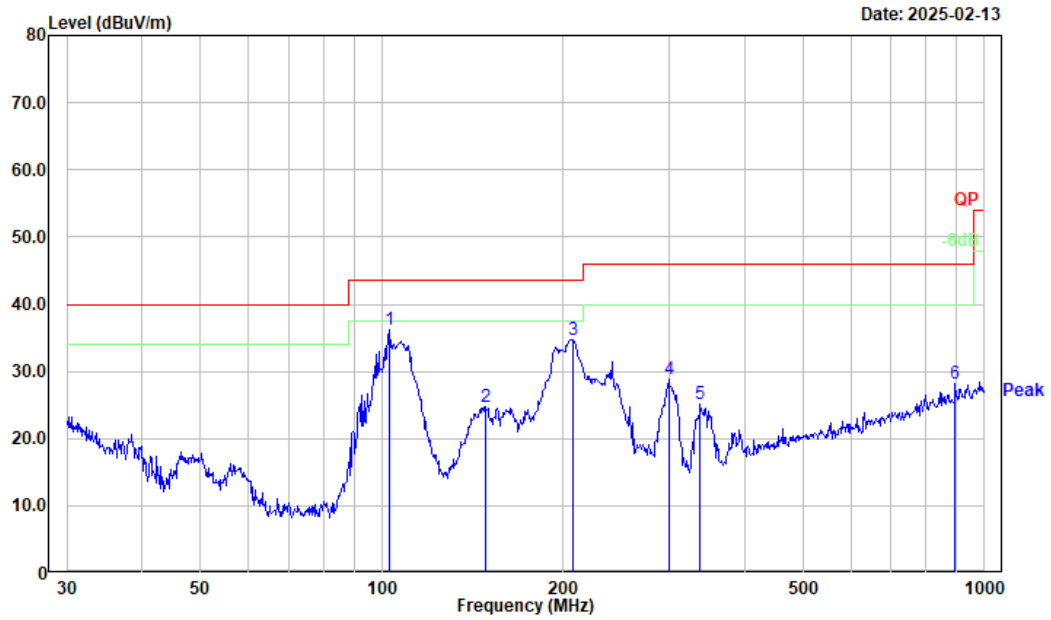
Project No.: 2403W89285E-RF

Tester: Roinin Fu

Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec

Polarization: horizontal

Note: Transmitting 15.249_5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	103.080	49.80	-13.64	36.16	43.50	7.34	Peak
2	148.441	36.94	-12.12	24.82	43.50	18.68	Peak
3	207.123	48.33	-13.58	34.75	43.50	8.75	Peak
4	299.316	39.17	-10.40	28.77	46.00	17.23	Peak
5	337.216	34.74	-9.68	25.06	46.00	20.94	Peak
6	893.857	28.48	-0.19	28.29	46.00	17.71	Peak

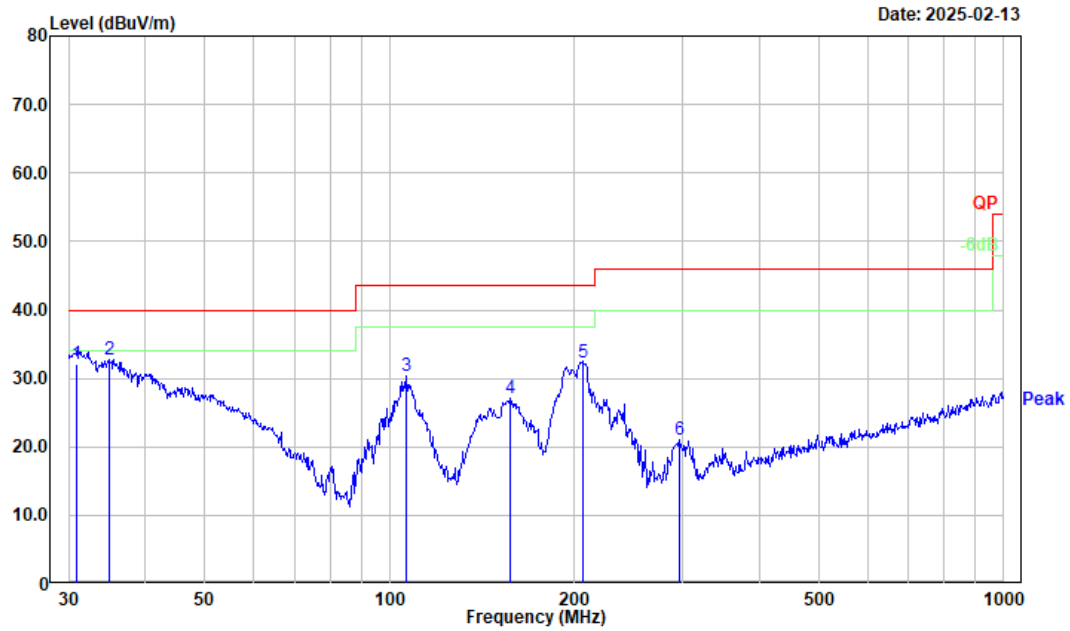
Project No.: 2403W89285E-RF

Tester: Roinin Fu

Condition: RBW:100 kHz VBW:300 kHz SWT:0.1 sec

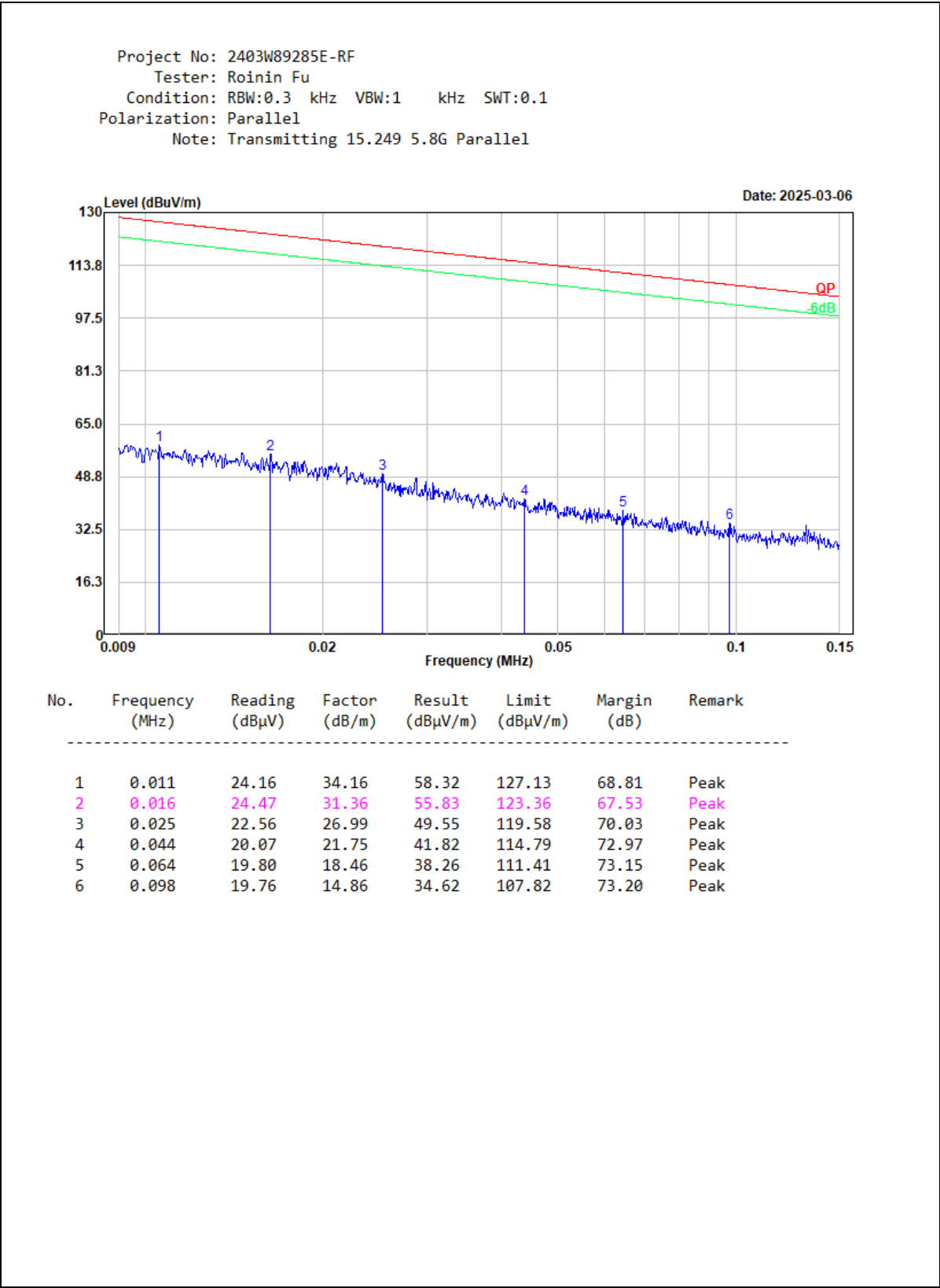
Polarization: vertical

Note: Transmitting 15.249_5.8G

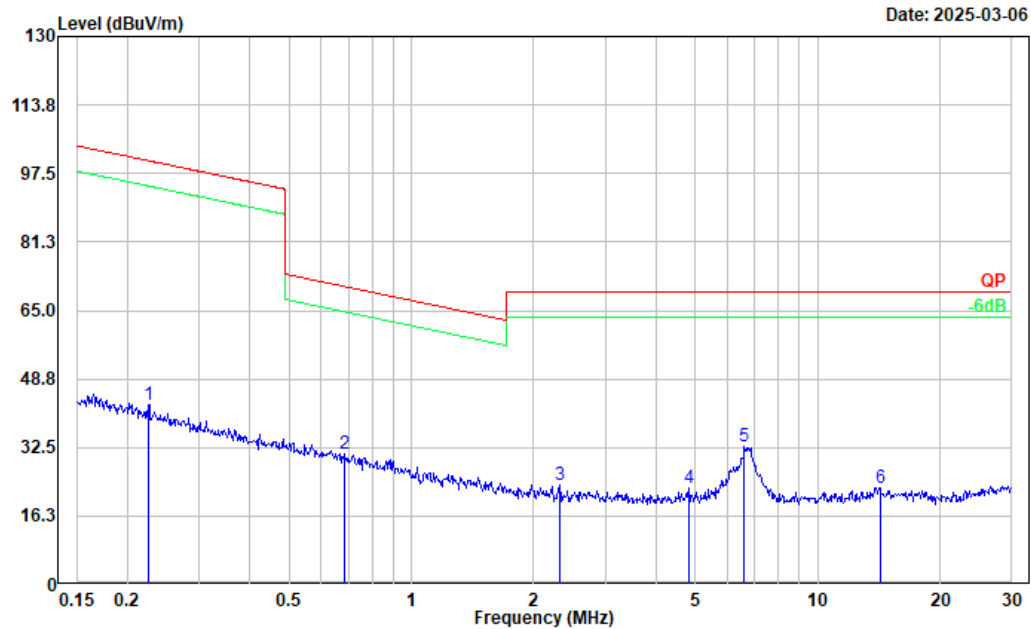


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.962	36.38	-4.38	32.00	40.00	8.00	QP
2	35.005	40.12	-7.43	32.69	40.00	7.31	Peak
3	106.385	43.10	-12.85	30.25	43.50	13.25	Peak
4	157.559	38.86	-11.85	27.01	43.50	16.49	Peak
5	206.398	45.89	-13.48	32.41	43.50	11.09	Peak
6	296.184	31.51	-10.49	21.02	46.00	24.98	Peak

GPCL-RF-A14-20-811-01-C1ID:

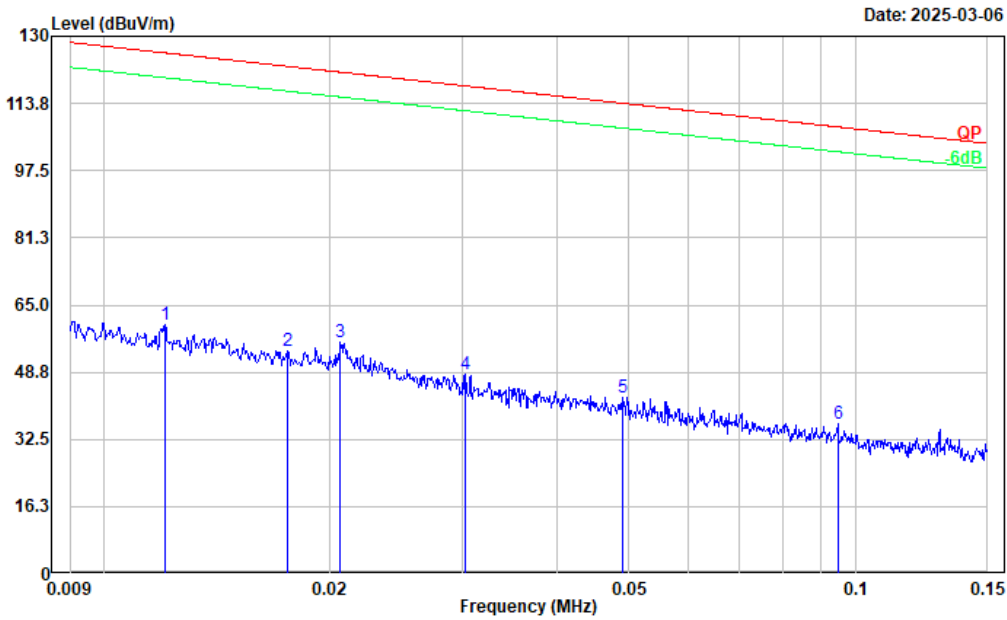


Project No: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1
Polarization: Parallel
Note: Transmitting 15.249 5.8G Parallel



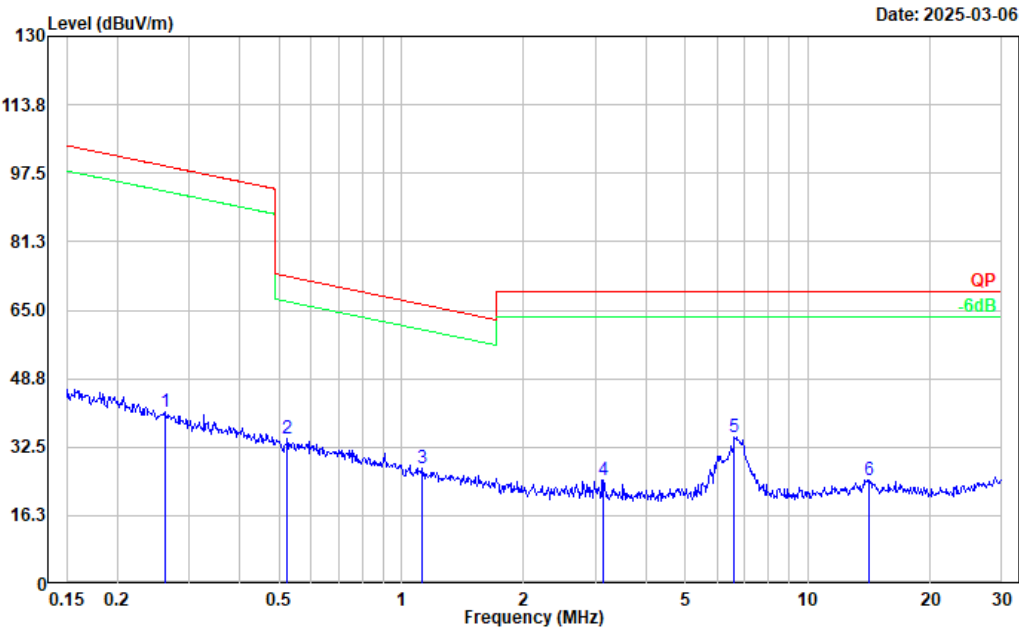
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.226	33.76	8.82	42.58	100.54	57.96	Peak
2	0.683	32.09	-1.14	30.95	70.86	39.91	Peak
3	2.309	31.48	-7.92	23.56	69.54	45.98	Peak
4	4.822	31.67	-8.88	22.79	69.54	46.75	Peak
5	6.592	41.65	-8.83	32.82	69.54	36.72	Peak
6	14.213	30.72	-7.65	23.07	69.54	46.47	Peak

Project No: 2403W89285E-RF
 Tester: Roinin Fu
 Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1
 Polarization: Perpendicular
 Note: Transmitting 15.249 5.8GPerpendicular



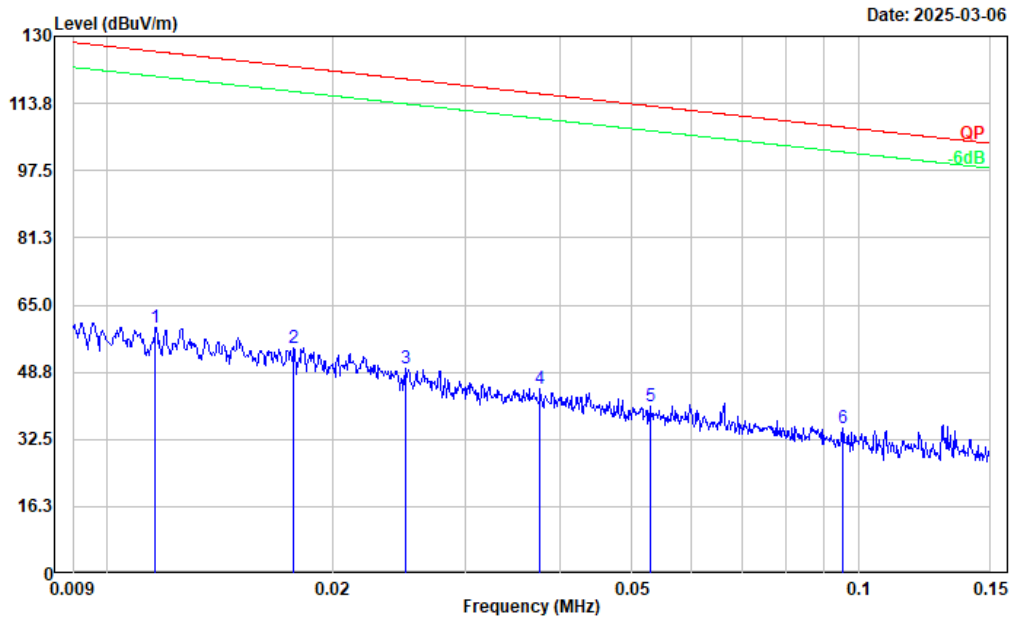
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.012	26.71	33.43	60.14	125.98	65.84	Peak
2	0.018	23.28	30.73	54.01	122.70	68.69	Peak
3	0.021	26.91	29.23	56.14	121.31	65.17	Peak
4	0.030	23.56	24.59	48.15	117.99	69.84	Peak
5	0.049	22.11	20.66	42.77	113.81	71.04	Peak
6	0.095	21.03	15.09	36.12	108.07	71.95	Peak

Project No: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1
Polarization: Perpendicular
Note: Transmitting 15.249 5.8G Perpendicular



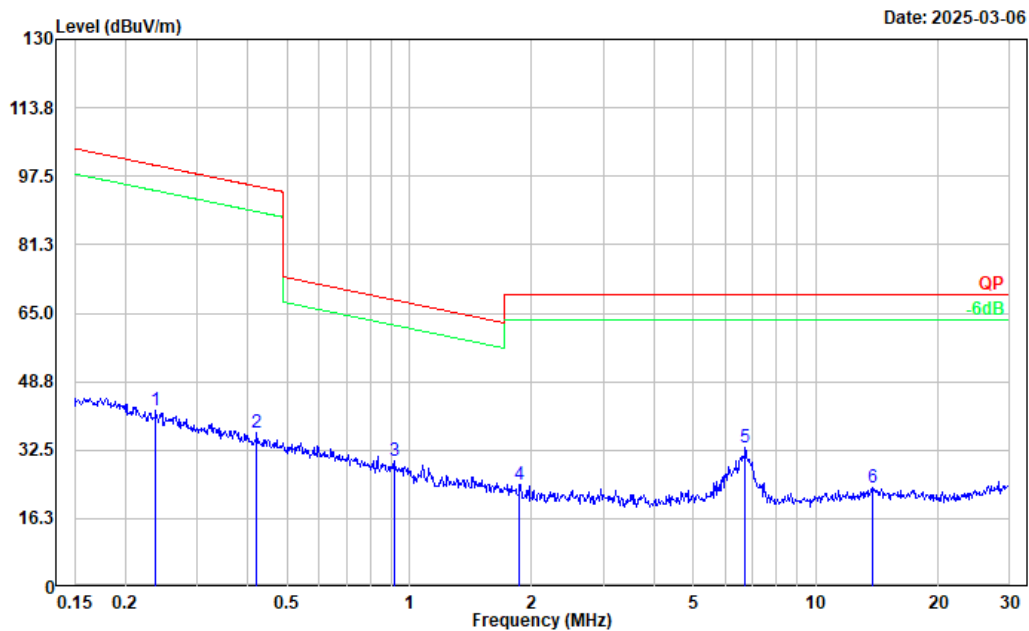
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.263	33.64	7.08	40.72	99.20	58.48	Peak
2	0.524	33.94	0.69	34.63	73.21	38.58	Peak
3	1.123	31.96	-4.63	27.33	66.44	39.11	Peak
4	3.140	33.00	-8.37	24.63	69.54	44.91	Peak
5	6.592	43.61	-8.83	34.78	69.54	34.76	Peak
6	14.138	32.34	-7.65	24.69	69.54	44.85	Peak

Project No: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:0.3 kHz VBW:1 kHz SWT:0.1
Polarization: Ground-parallel
Note: Transmitting 15.249 5.8G Ground-parallel



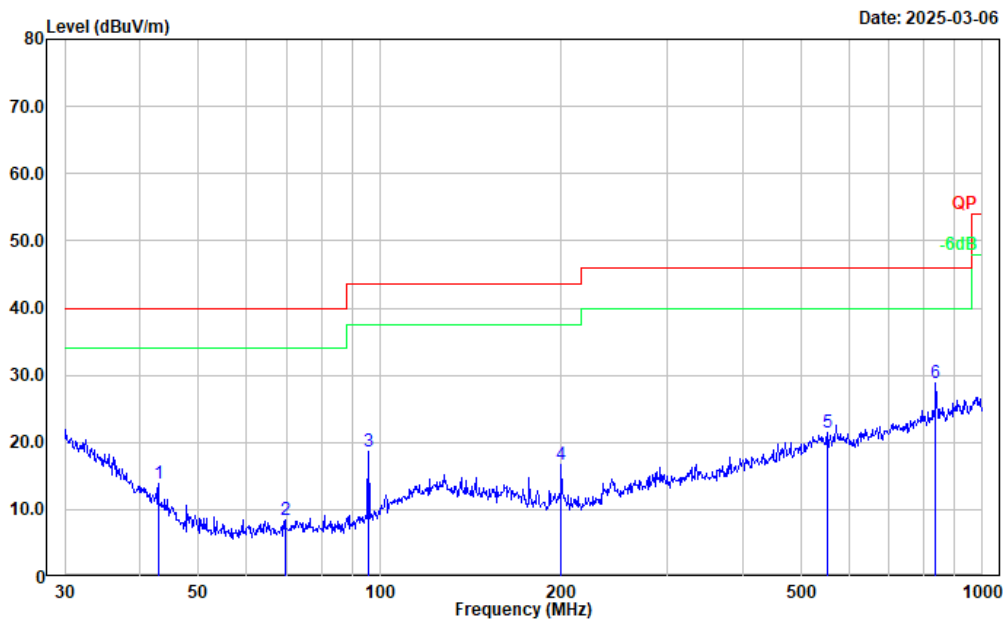
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.012	25.75	33.66	59.41	126.32	66.91	Peak
2	0.018	23.95	30.65	54.60	122.63	68.03	Peak
3	0.025	22.42	27.09	49.51	119.65	70.14	Peak
4	0.038	21.80	23.03	44.83	116.08	71.25	Peak
5	0.053	20.61	20.05	40.66	113.15	72.49	Peak
6	0.095	20.19	15.04	35.23	108.02	72.79	Peak

Project No: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:10 kHz VBW:30 kHz SWT:0.1
Polarization: Ground-parallel
Note: Transmitting 15.249 5.8G Ground-parallel



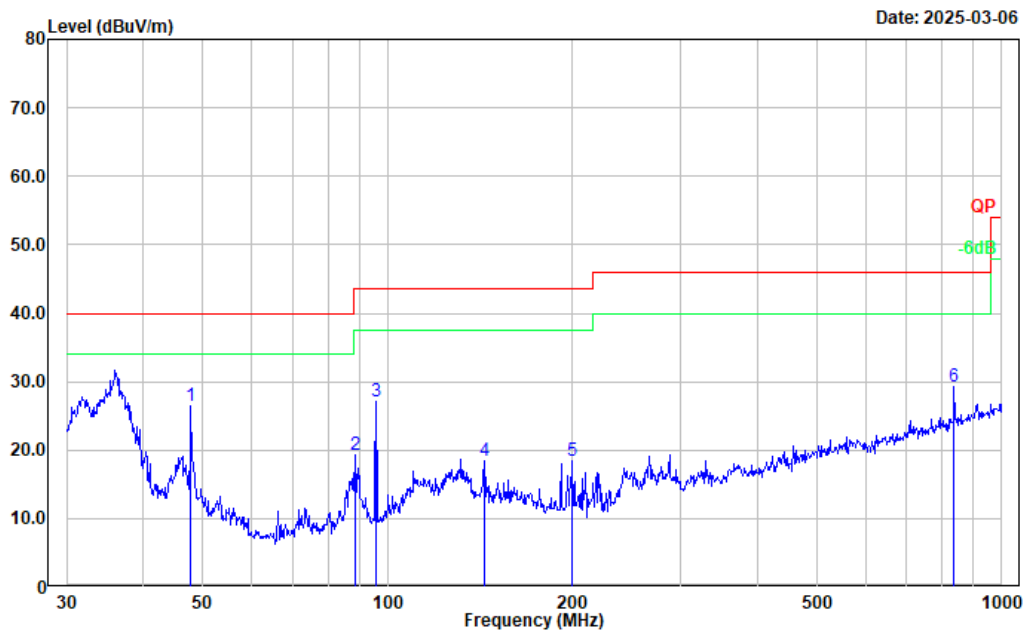
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	0.238	33.62	8.25	41.87	100.08	58.21	Peak
2	0.421	33.97	2.70	36.67	95.11	58.44	Peak
3	0.918	33.32	-3.51	29.81	68.23	38.42	Peak
4	1.868	31.72	-7.27	24.45	69.54	45.09	Peak
5	6.698	41.89	-8.82	33.07	69.54	36.47	Peak
6	13.841	31.18	-7.68	23.50	69.54	46.04	Peak

Project No: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1
Polarization: horizontal
Note: Transmitting 15.249 5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	42.900	27.21	-13.40	13.81	40.00	26.19	Peak
2	69.600	25.62	-17.18	8.44	40.00	31.56	Peak
3	95.762	34.34	-15.75	18.59	43.50	24.91	Peak
4	199.986	29.00	-12.28	16.72	43.50	26.78	Peak
5	552.883	26.82	-5.35	21.47	46.00	24.53	Peak
6	836.244	29.68	-0.74	28.94	46.00	17.06	Peak

Project No: 2403W89285E-RF
Tester: Roinin Fu
Condition: RBW:100 kHz VBW:300 kHz SWT:0.1
Polarization: Vertical
Note: Transmitting 15.249 5.8G



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	47.826	42.75	-16.26	26.49	40.00	13.51	Peak
2	88.342	36.35	-17.09	19.26	43.50	24.24	Peak
3	95.762	42.86	-15.75	27.11	43.50	16.39	Peak
4	143.830	30.48	-12.04	18.44	43.50	25.06	Peak
5	199.986	30.71	-12.28	18.43	43.50	25.07	Peak
6	836.244	30.02	-0.74	29.28	46.00	16.72	Peak

4.2.2 1GHz - 40GHz

Sample Number	2PLO-1 (GPCL-RF-A16-24-811-01-C1ID) 2PLO-2 (GPCL-RF-A10-12-811-01-C1ID) 2PLO-3 (GPCL-RB-A11-20-811-01-C1ID) 2PLO-4 (GPCL-RA-A14-24-811-01-C1ID) 2PLO-5 (GPCL-RQ-A14-24-811-01-C1ID) 2PLO-6 (GPCL-RF-A14-20-811-01-C1ID)	Test Date:	2024/3/10
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2	Relative Humidity: (%)	49	ATM Pressure: (kPa)	101.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2024/4/1	2025/3/31
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/1/10	2026/1/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/1/10	2026/1/9
A.H	Preamplifier	PAM-0118P	628	2025/2/21	2026/2/20
Audix	Test Software	E3	191218 (V9)	N/A	N/A
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2024/2/4	2027/2/3
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2024/2/4	2027/2/3
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2025/1/6	2026/1/5
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2025/1/6	2026/1/5
JD	Multiplex Switch Test Control Set	DT7220SCU	DQ77925	2024/8/5	2025/8/4
JD	Filter Switch Unit	DT7220FSU	DQ77928	2024/8/5	2025/8/4

*** Statement of Traceability:** China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

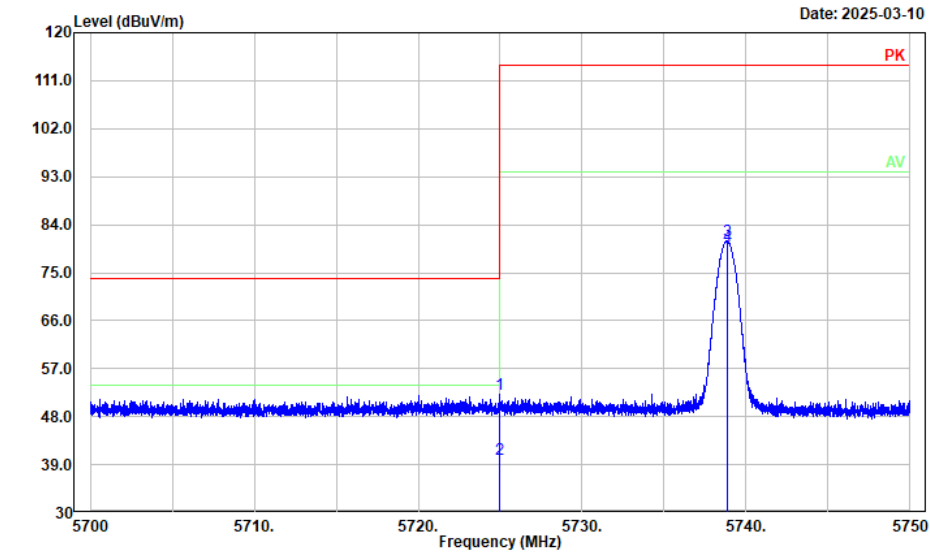
Test Data(GPCL-RF-A16-24-811-01-C1ID was the worst):

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

Frequency (MHz)	Receiver		Polar (H/V)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector					
Low Channel:				5738.8	MHz		
11477.680	45.32	PK	H	4.76	50.08	74.00	23.92
11477.680	33.20	AV	H	4.76	37.96	54.00	16.04
11477.680	46.01	PK	V	4.76	50.77	74.00	23.23
11477.680	34.17	AV	V	4.76	38.93	54.00	15.07
17216.520	44.85	PK	H	9.09	53.94	74.00	20.06
17216.520	32.06	AV	H	9.09	41.15	54.00	12.85
17216.520	45.37	PK	V	9.09	54.46	74.00	19.54
17216.520	33.24	AV	V	9.09	42.33	54.00	11.67
Middle Channel:				5801	MHz		
5801.000	84.67	PK	H	-4.44	80.23	113.98	33.75
5801.000	83.87	AV	H	-4.44	79.43	93.98	14.55
5801.000	89.78	PK	V	-4.44	85.34	113.98	28.64
5801.000	89.00	AV	V	-4.44	84.56	93.98	9.42
11602.000	45.01	PK	H	5.45	50.46	74.00	23.54
11602.000	33.20	AV	H	5.45	38.65	54.00	15.35
11602.000	44.69	PK	V	5.45	50.14	74.00	23.86
11602.000	32.20	AV	V	5.45	37.65	54.00	16.35
17403.000	45.67	PK	H	10.56	56.23	74.00	17.77
17403.000	33.34	AV	H	10.56	43.90	54.00	10.10
17403.000	45.50	PK	V	10.56	56.06	74.00	17.94
17403.000	33.21	AV	V	10.56	43.77	54.00	10.23
High Channel:				5872.3	MHz		
11744.600	43.30	PK	H	5.62	48.92	74.00	25.08
11744.600	29.62	AV	H	5.62	35.24	54.00	18.76
11744.600	43.95	PK	V	5.62	49.57	74.00	24.43
11744.600	31.18	AV	V	5.62	36.80	54.00	17.20
17616.900	44.03	PK	H	12.27	56.30	74.00	17.70
17616.900	31.65	AV	H	12.27	43.92	54.00	10.08
17616.900	44.05	PK	V	12.27	56.32	74.00	17.68
17616.900	31.31	AV	V	12.27	43.58	54.00	10.42

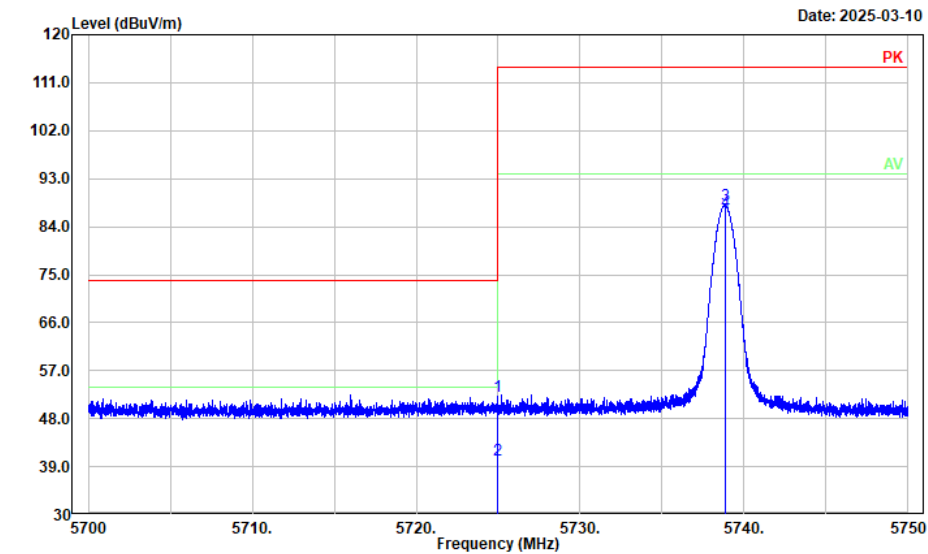
Fundamental and band edge test plots:

Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: Low Channel 5738.84MHz



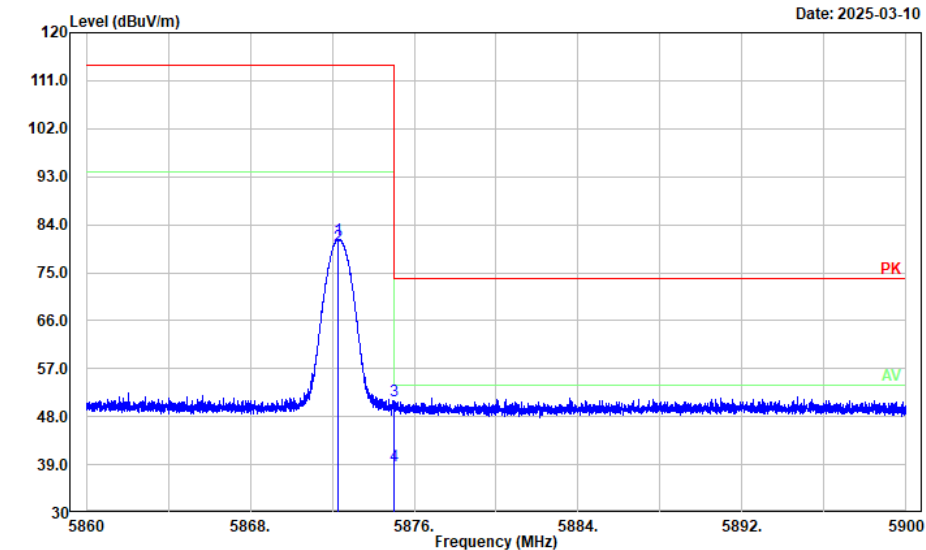
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5725.000	56.27	-4.06	52.21	74.00	21.79	Peak
2	5725.000	44.07	-4.06	40.01	54.00	13.99	Average
3	5738.840	84.95	-4.02	80.93	113.98	33.05	Peak
4	5738.840	83.91	-4.02	79.89	93.98	14.09	Average

Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: Low Channel 5738.84MHz



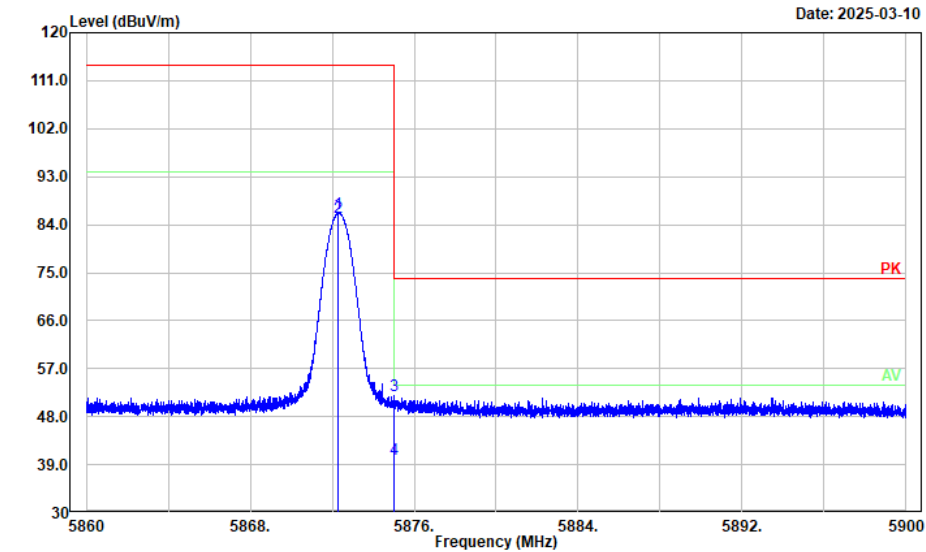
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5725.000	56.18	-4.06	52.12	74.00	21.88	Peak
2	5725.000	44.27	-4.06	40.21	54.00	13.79	Average
3	5738.840	91.97	-4.02	87.95	113.98	26.03	Peak
4	5738.840	90.80	-4.02	86.78	93.98	7.20	Average

Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Horizontal
Note: High Channel 5872.3MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5872.300	85.65	-4.36	81.29	113.98	32.69	Peak
2	5872.300	84.37	-4.36	80.01	93.98	13.97	Average
3	5875.000	55.27	-4.36	50.91	74.00	23.09	Peak
4	5875.000	43.05	-4.36	38.69	54.00	15.31	Average

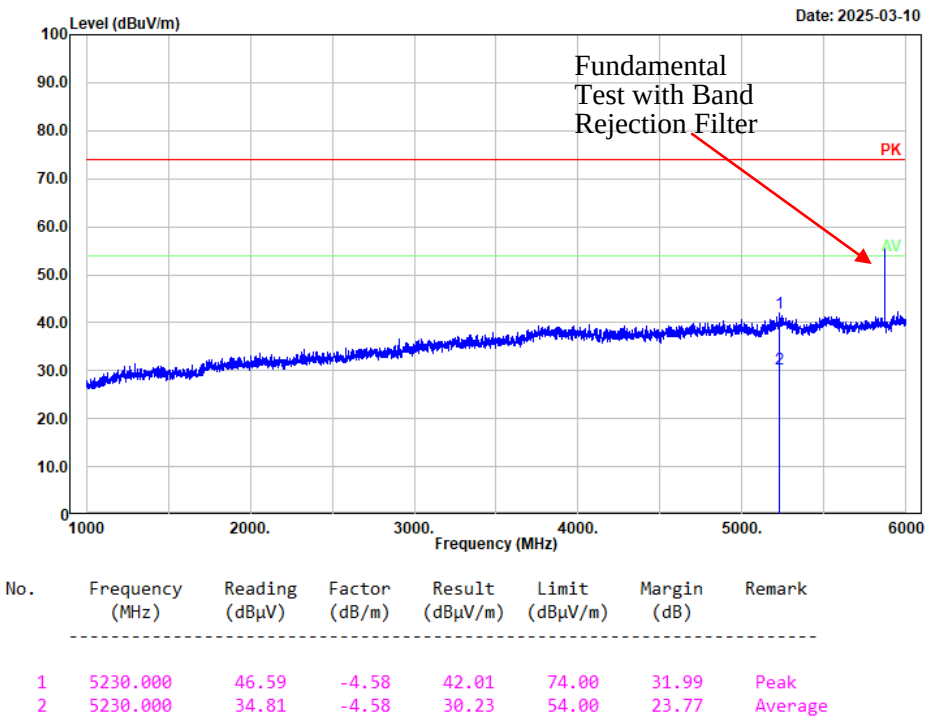
Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: Vertical
Note: High Channel 5872.3MHz



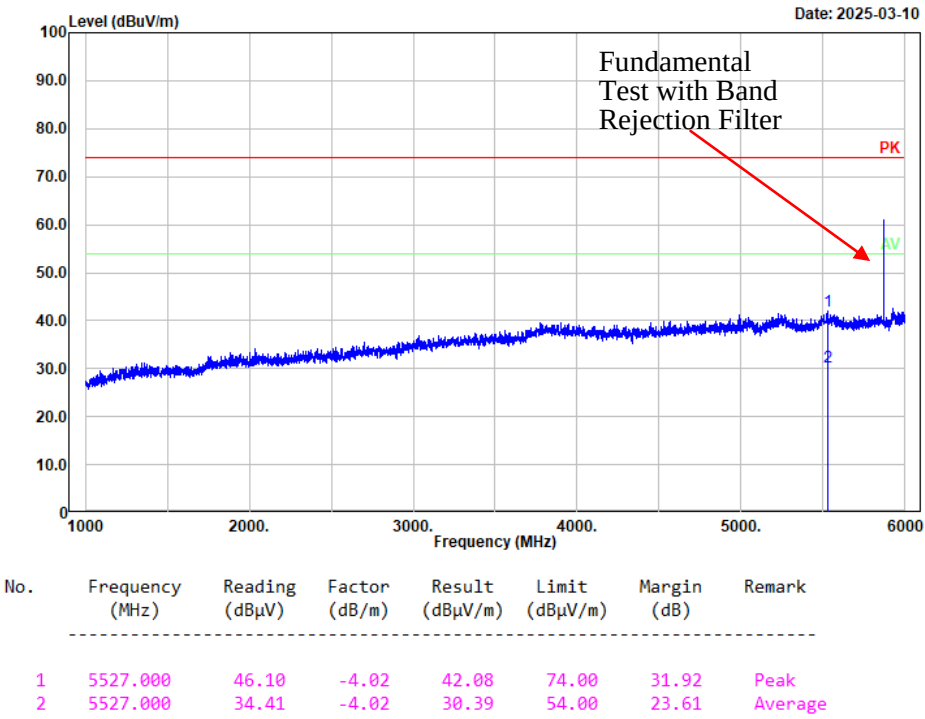
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	5872.300	90.55	-4.36	86.19	113.98	27.79	Peak
2	5872.300	89.68	-4.36	85.32	93.98	8.66	Average
3	5875.000	56.42	-4.36	52.06	74.00	21.94	Peak
4	5875.000	44.46	-4.36	40.10	54.00	13.90	Average

Worst radiation spurious emissions margin test plots

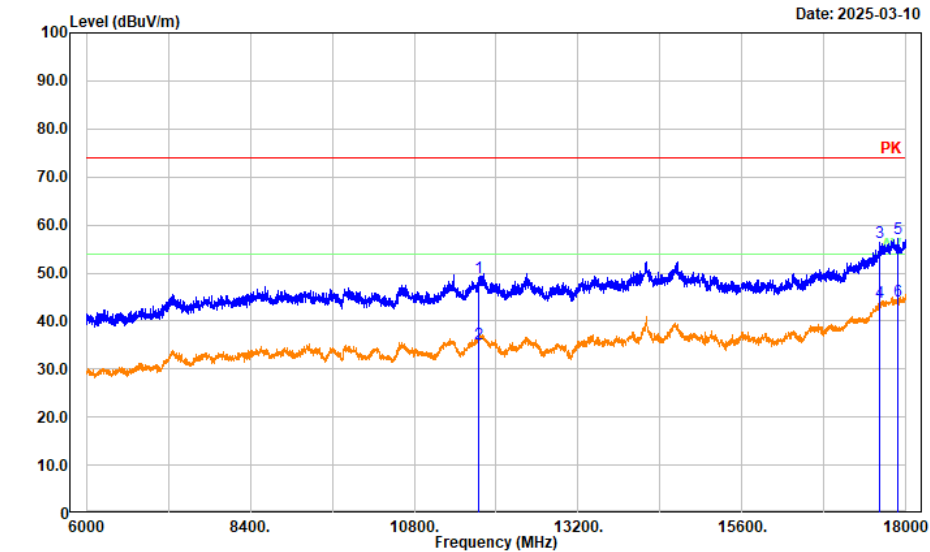
Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: horizontal
Note: High Channel 5872.3MHz



Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec
Polarization: vertical
Note: High Channel 5872.3MHz

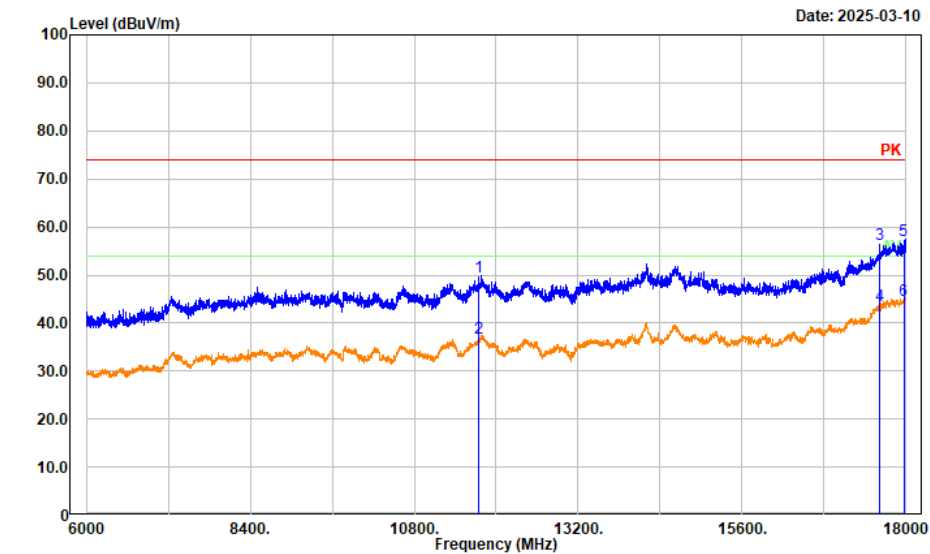


Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: horizontal
Note: High Channel 5872.3MHz



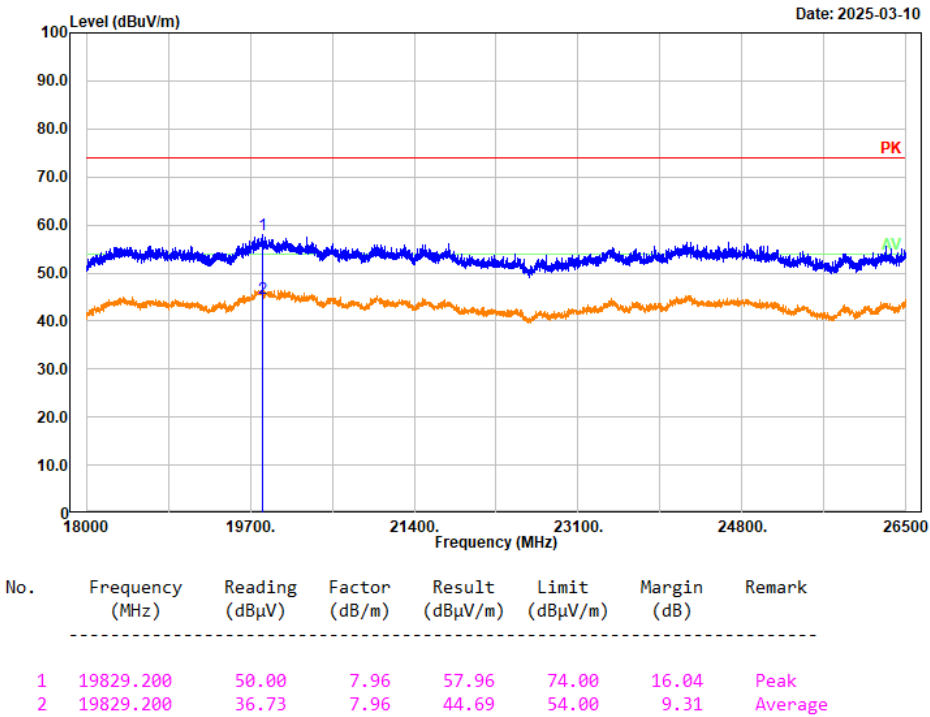
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11744.600	43.30	5.62	48.92	74.00	25.08	Peak
2	11744.600	29.62	5.62	35.24	54.00	18.76	Average
3	17616.900	44.03	12.27	56.30	74.00	17.70	Peak
4	17616.900	31.65	12.27	43.92	54.00	10.08	Average
5	17877.600	43.53	13.52	57.05	74.00	16.95	Peak
6	17877.600	30.71	13.52	44.23	54.00	9.77	Average

Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: vertical
Note: High Channel 5872.3MHz

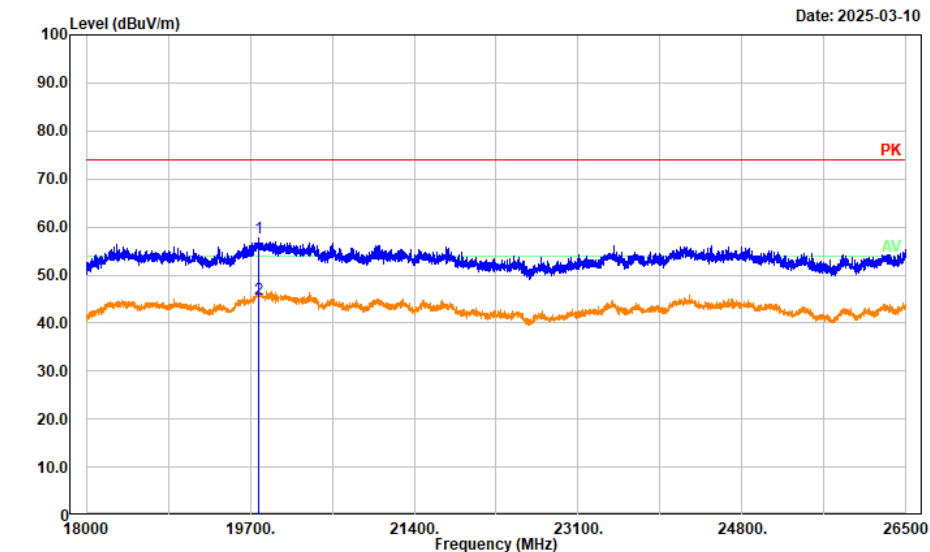


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	11744.600	43.95	5.62	49.57	74.00	24.43	Peak
2	11744.600	31.18	5.62	36.80	54.00	17.20	Average
3	17616.900	44.05	12.27	56.32	74.00	17.68	Peak
4	17616.900	31.31	12.27	43.58	54.00	10.42	Average
5	17964.000	43.43	13.87	57.30	74.00	16.70	Peak
6	17964.000	30.91	13.87	44.78	54.00	9.22	Average

Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: High Channel 5872.3MHz

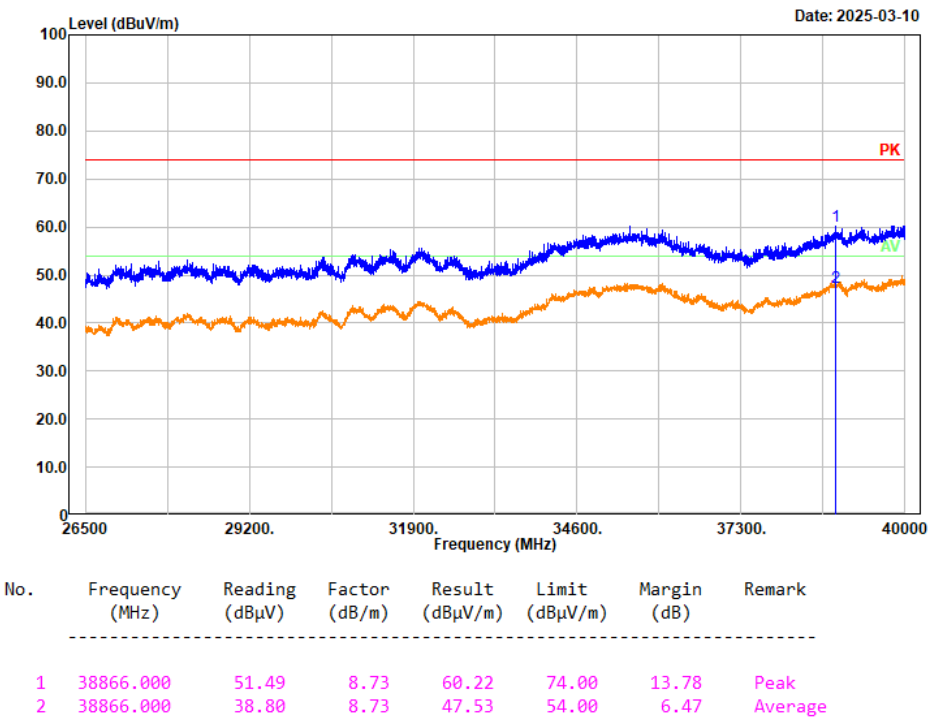


Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: High Channel 5872.3MHz

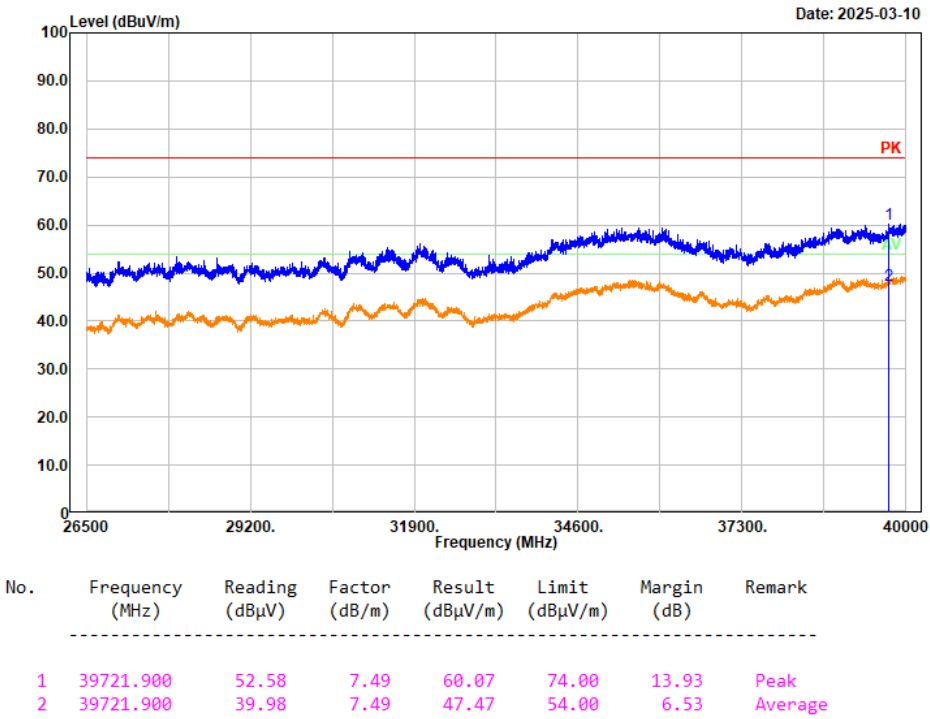


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Remark
1	19788.400	49.88	7.84	57.72	74.00	16.28	Peak
2	19788.400	37.05	7.84	44.89	54.00	9.11	Average

Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Horizontal
Note: High Channel 5872.3MHz



Project No.: 2403W89285E-RF
Tester: Mack Huang
Condition: PK trace RBW:1MHz; VBW:3MHz; SWT:0.3sec AV trace RBW:1MHz; VBW:5kHz; SWT:auto
Polarization: Vertical
Note: High Channel 5872.3MHz



4.3 20 dB Emission Bandwidth:

Sample Number	2PLO-1	Test Date:	2025/3/10
Test Site:	966-1	Test Mode:	Transmitting
Tester:	Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2	Relative Humidity: (%)	49	ATM Pressure: (kPa)	101.4
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Test Equipment List and Details:

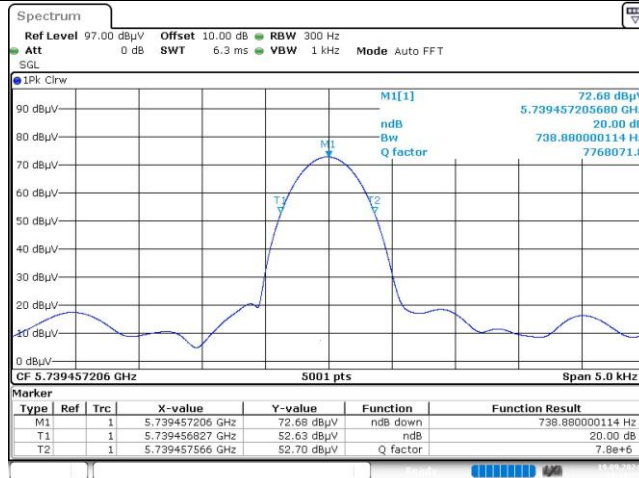
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	9912-5985	2023/12/6	2026/12/5
R&S	Spectrum Analyzer	FSV40	101591	2024/4/1	2025/3/31
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2025/1/10	2026/1/9
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2025/1/10	2026/1/9

*** Statement of Traceability:** China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Frequency (MHz)	20 dB Bandwidth (Hz)
5738.84	739
5801	740
5872.3	740

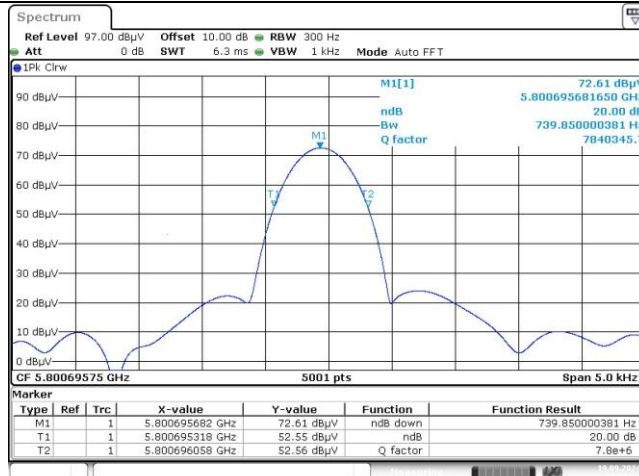
20dB Emission Bandwidth

5738.84MHz



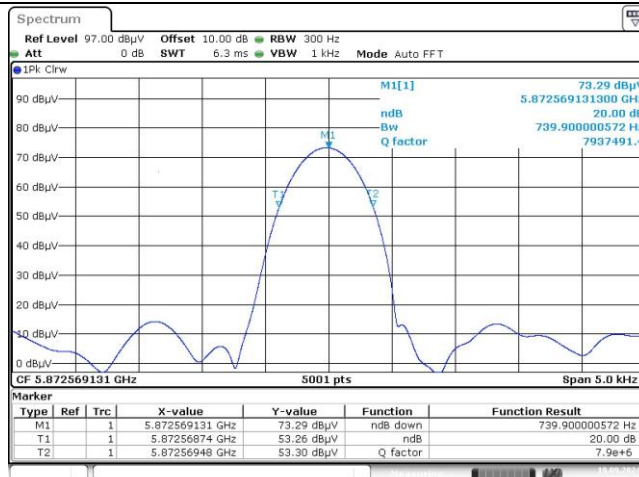
ProjectNo.:2403W89285E-RF Tester:Mack Huang
Date: 10.MAR.2025 19:56:27

5801MHz



ProjectNo.:2403W89285E-RF Tester:Mack Huang
Date: 10.MAR.2025 20:00:44

5872.3MHz



ProjectNo.:2403W89285E-RF Tester:Mack Huang
Date: 10.MAR.2025 20:03:52

5. RF EXPOSURE EVALUATION

5.1.1 Applicable Standard

FCC §1.1307(b)(3)(i)(A)

a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

5.1.2 Procedure

According to 447498 D04 Interim General RF Exposure Guidance v01, clause 2.1.2- 1-mW Test Exemption:

Per §1.1307(b)(3)(i)(A), a single RF source is *exempt RF device* (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

5.1.3 Measurement Result

Frequency (MHz)	Maximum Power		1-mW Test Exemption
	dBm	mW	
5738.84-5872.3	-13.3	0.047	Compliant

Note:

1. This device maximum E-Field level is 87.95 dB μ V/m at 3m, so the EIRP power is -7.25 dBm, Antenna Gain is 6.05 dBi, so the Maximum Conduct Power is -13.3dBm.
2. EIRP (dBm) = Field Strength of Fundamental(dBuV/m)-95.2 (dBi)
Maximum Conduct Power (dBm)= EIRP (dBm)- Antenna Gain(dBi)

Result: Compliant. RF Exposure is exemption.

6. EUT PHOTOGRAPHS

Please refer to the attachment 2403W89285E-EXP EUT EXTERNAL PHOTOGRAPHS and 2403W89285E-INP EUT INTERNAL PHOTOGRAPHS

7. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2403W89285E-00B-TSP TEST SETUP PHOTOGRAPHS.

===== END OF REPORT =====