



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: EVOTE INTERNATIONAL LIMITED

Address: FLAT/RM A 12/F ZJ 300 300 LOCKHART ROAD WAN CHAI,
HONGKONG, China

FCC ID: 2A6DTET005

Product Name: TWO-WAY RADIO(GMRS RADIO)

Standard(s): 47 CFR Part 15 Subpart B
ANSI C63.4-2014

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

Report Number: CR230101164-00A

Date Of Issue: 2023/7/26

Reviewed By: Sun Zhong *Sun Zhong*

Title: Manager

Test Laboratory: China Certification ICT Co., Ltd (Dongguan)

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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.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

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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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230101164-00A	Original Report	2023/7/26

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Product Name:	TWO-WAY RADIO(GMRS RADIO)
EUT Model:	KG-Q10G
Multiple Models:	KG-Q10G Plus, KG-Q10GX, KG-Q10GR, KG-Q11G, KG-Q11G Plus, KG-Q11GX, KG-Q11GR, KG-Q12G, KG-Q12G Plus, KG-Q12GX, KG-Q12GR
Highest Operation Frequency:	999.9975MHz
Rated Input Voltage:	DC 7.4V from battery
Serial Number:	1XZ9-9
EUT Received Date:	2023/1/10
EUT Received Status:	Good
Note: The Multiple model is electrically identical with test model, please refer to the declaration letter for more detail, which was provided by manufacturer.	

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter	TESHINE	DSX-120050L-US	Input: AC 100-240V~50/60Hz 0.3A Output: DC 12V==0.5A
Charger	Wouxun	Unknown	Unknown

Scanning Frequency:

Operation Modes	Operation Frequency Range (MHz)
Scanning	26.765-999.9975
Note: EUT can't operate in the range: 824-849MHz, 869-894MHz	

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Typical Use Mode, which was provided by the manufacturer. Test Mode 1:Scanning Stop(Receiving at 26.765MHz, 479.9875MHz, 999.9975 MHz) Test Mode 2: Scanning
Equipment Modifications:	No
EUT Exercise Software:	No

1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Agilent	MXG Vector Signal Generator	N5182B	MY51350142

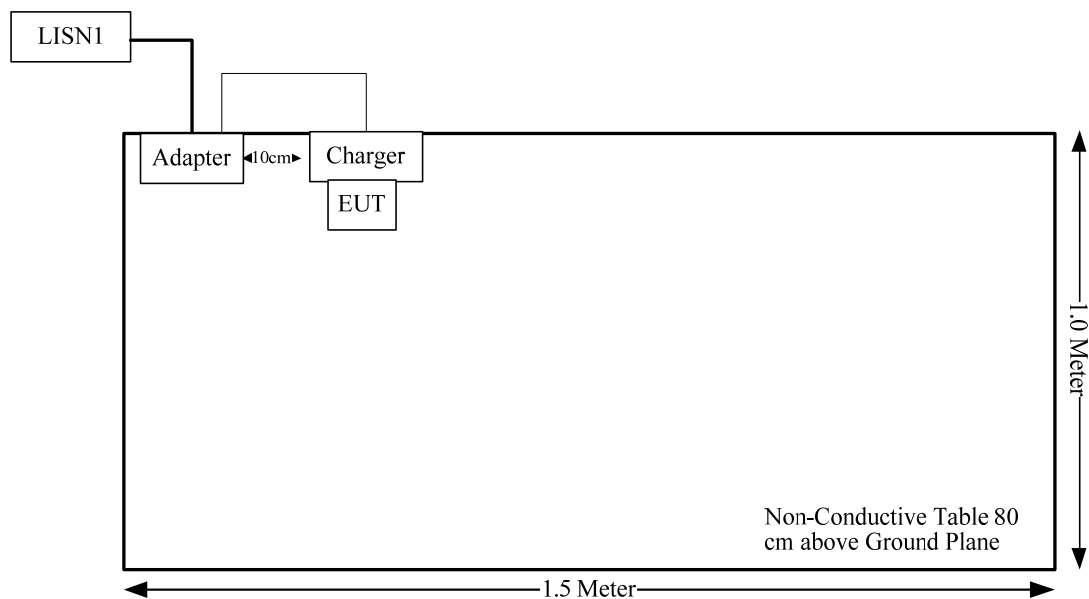
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
DC cable	No	No	1.2	Adapter	EUT
antenna cable	No	No	1.5	antenna	N5182B

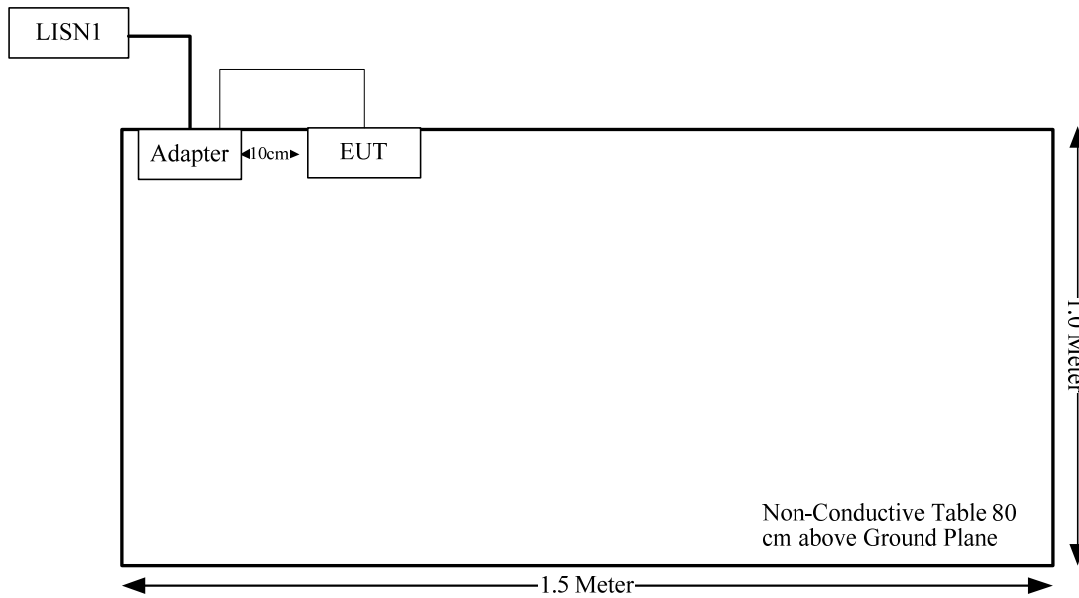
1.2.4 Block Diagram of Test Setup

AC Line Conducted emissions:

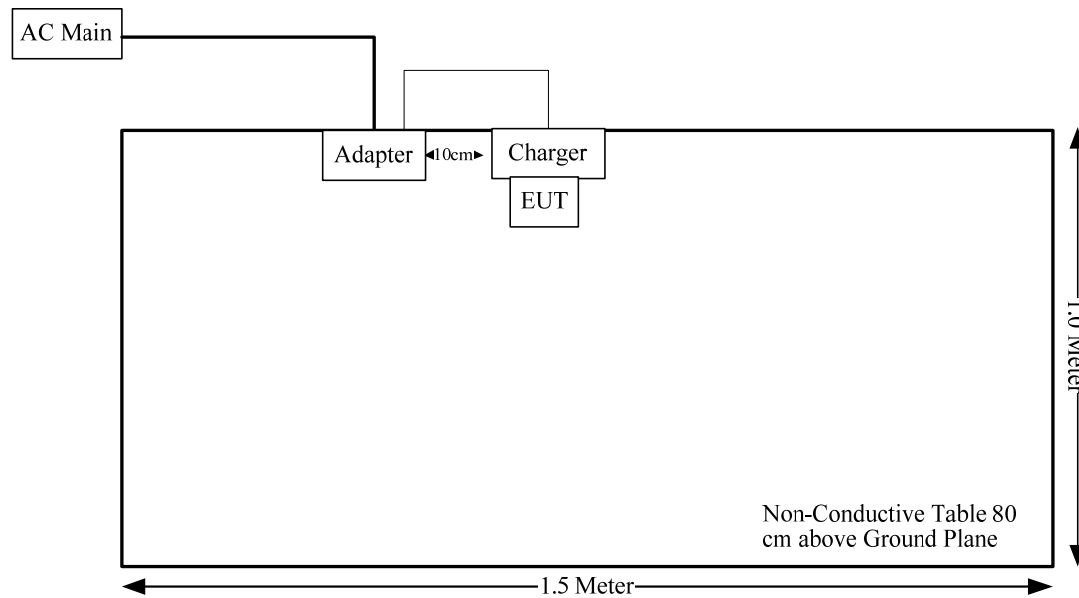
Power by charger:



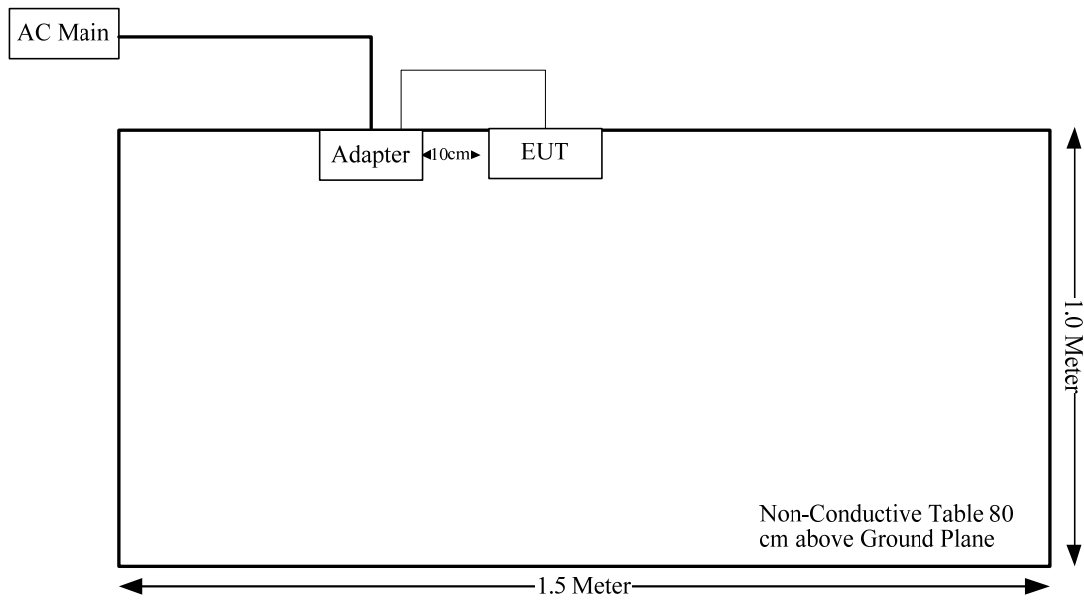
Power by USB port:



Radiated emissions:
Power by charger:



Power by USB port:



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
Unwanted Emissions, radiated	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	$\pm 5\%$
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

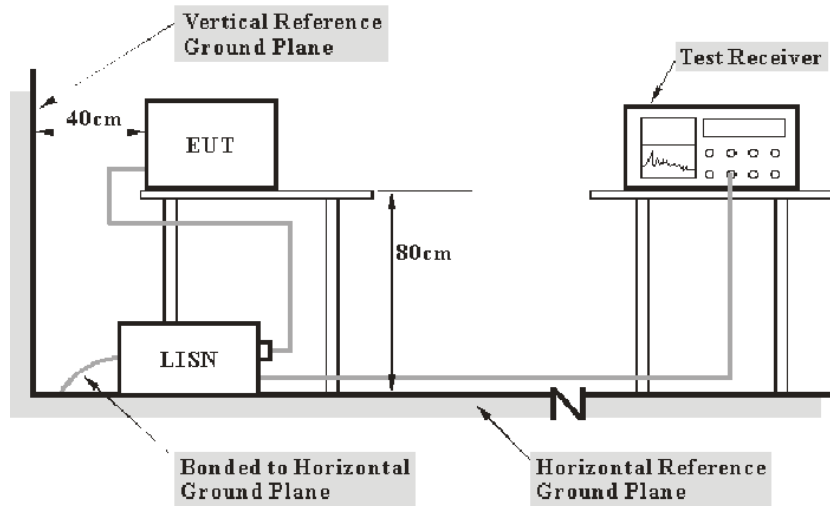
2. SUMMARY OF TEST RESULTS

Standard(s) Section	Description of Test	Result
§15.107	AC Line Conducted emissions	Compliant
§15.109	Radiated emissions	Compliant
§15.121(b)	Scanning receivers and frequency converters used with scanning receivers	Compliant

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 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 C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B 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 adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.2 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

3.1.3 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT, the report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

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

The report shall list the six emissions with the smallest margin relative to the limit, unless the margin is greater than 20 dB.

3.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

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

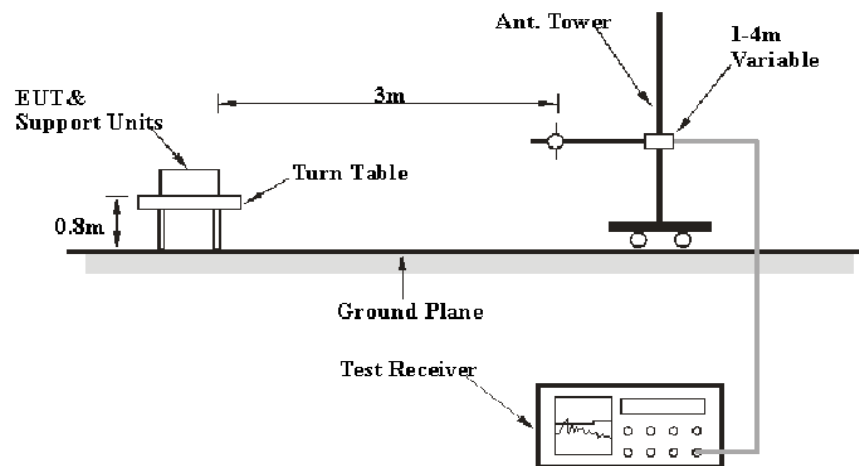
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

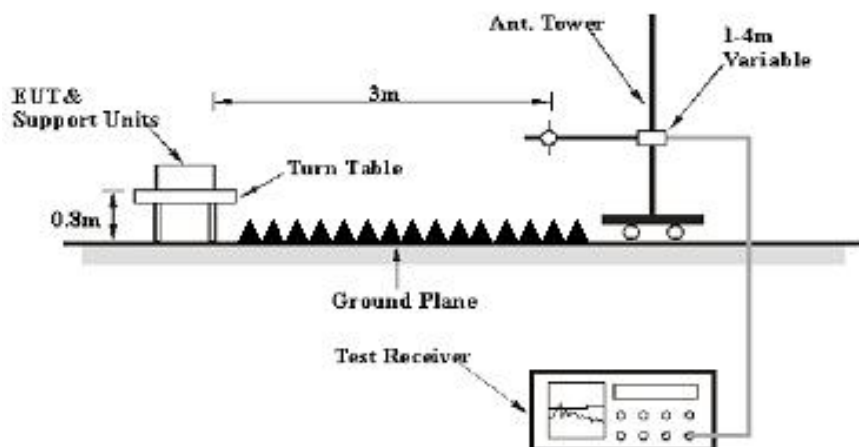
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emissions were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was with the FCC Part 15 B Class B limits.

3.2.2 Equipment Setup

The system was investigated from 30 MHz to 5 GHz.

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

Frequency Range	RBW	Video B/W	IF B/W	Measurement
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10Hz	/	AVG

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

3.2.3 Test Procedure

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

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

The data was recorded in the Quasi-peak detection mode for below 1 GHz.

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

3.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- Amplifier Gain

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

Margin = Limit – Result

3.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers

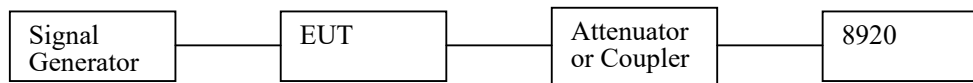
3.3.1 Applicable Standard

FCC §15.121(b).

(b) Except as provided in paragraph (c) of this section, scanning receivers shall reject any signals from the Cellular Radiotelephone Service frequency bands that are 38 dB or lower based upon a 12 dB SINAD measurement, which is considered the threshold where a signal can be clearly discerned from any interference that may be present.

3.3.2 Test Procedure

1. Connected the EUT as the below block diagram;



2. Apply a signal to the EUT antenna port at lowest, middle, highest channel frequencies of the operating band;
3. Adjust the audio output level of the EUT to it's rated value with the distortion less than 10%;
4. Adjust the Signal Generator output power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB; These output level of the Signal Generator at each channel frequency is the sensitivity of the EUT;
5. Select the lowest or worst case sensitivity level for all of the bands as the reference sensitivity;
6. Adjust the Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step 5 and its frequency to the frequency point in the Cellular Band;
7. Set the EUT squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level;
8. Set the EUT in a scanning mode and allow it to scan through it's complete receiving range;
9. If the EUT un-squelched or stopped on any frequency, receiving at this frequency, then adjust the signal generator output level until 12 dB SINAD is produced, this level is the spurious value and the difference between the reference sensitivity and the spurious value is the rejection ratio and must be at least 38 dB;
10. Repeat above procedure at the frequencies 824, 836, 849 MHz for the mobile band, and 869, 881.5 and 894 MHz for the Cellular Base Band.

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	1XZ9-9	Test Date:	2023/02/06~ 2023/07/26
Test Site:	CE	Test Mode:	Receiving/Scanning
Tester:	Bob Yang	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	21.8~23.2	Relative Humidity: (%)	60~71	ATM Pressure: (kPa)	101.5~101.9

Test Equipment List and Details:

For 2023/02/06:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2022/04/01	2023/03/31
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (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).

For 2023/07/26:

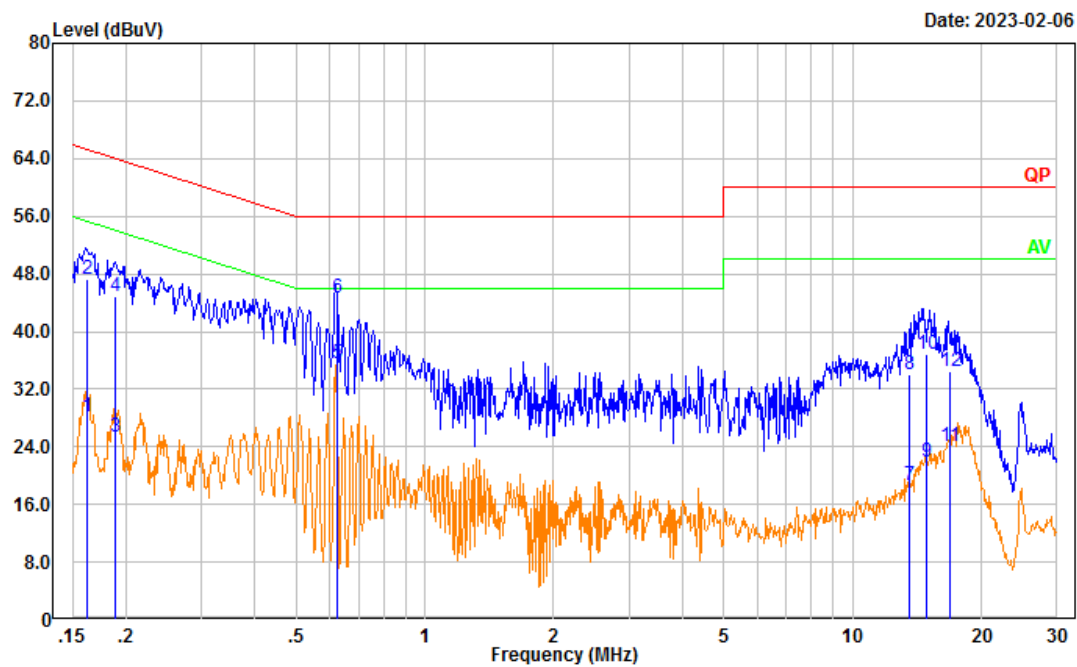
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/03/31	2024/03/30
R&S	EMI Test Receiver	ESR3	102726	2023/03/31	2024/03/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* 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).

Power by charger:**Test Mode:** Scanning

Port: Line

Note:

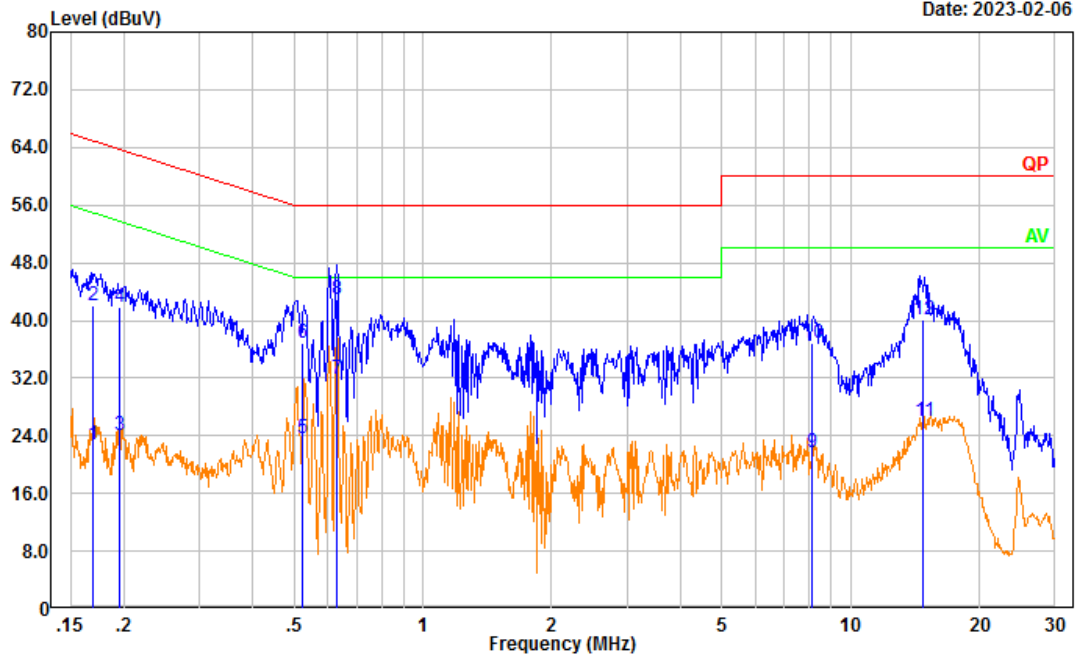


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.162	18.67	9.61	28.28	55.36	27.08	Average
2	0.162	37.57	9.61	47.18	65.36	18.18	QP
3	0.189	15.80	9.61	25.41	54.08	28.67	Average
4	0.189	35.34	9.61	44.95	64.08	19.13	QP
5	0.625	25.86	9.62	35.48	46.00	10.52	Average
6	0.625	35.08	9.62	44.70	56.00	11.30	QP
7	13.604	9.06	9.68	18.74	50.00	31.26	Average
8	13.604	24.39	9.68	34.07	60.00	25.93	QP
9	14.866	12.30	9.69	21.99	50.00	28.01	Average
10	14.866	27.13	9.69	36.82	60.00	23.18	QP
11	16.815	14.28	9.73	24.01	50.00	25.99	Average
12	16.815	24.77	9.73	34.50	60.00	25.50	QP

Port: neutral

Note:

Date: 2023-02-06

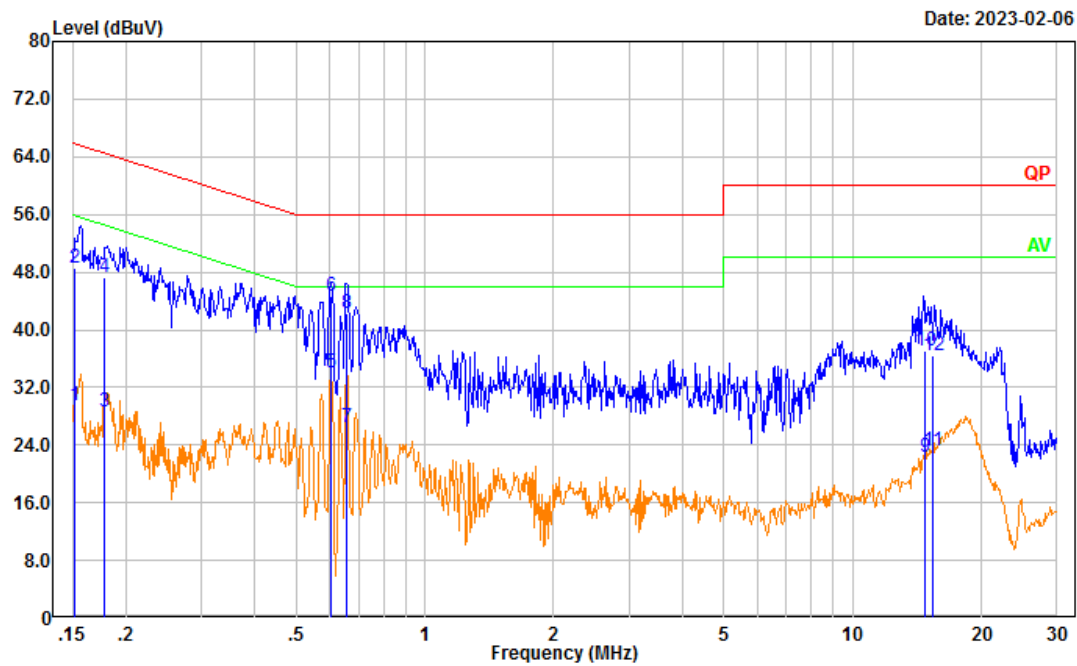


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.170	13.08	9.61	22.69	54.97	32.28	Average
2	0.170	32.38	9.61	41.99	64.97	22.98	QP
3	0.196	14.54	9.61	24.15	53.79	29.64	Average
4	0.196	32.30	9.61	41.91	63.79	21.88	QP
5	0.523	14.07	9.61	23.68	46.00	22.32	Average
6	0.523	27.20	9.61	36.81	56.00	19.19	QP
7	0.630	22.23	9.62	31.85	46.00	14.15	Average
8	0.630	33.41	9.62	43.03	56.00	12.97	QP
9	8.089	12.09	9.67	21.76	50.00	28.24	Average
10	8.089	27.14	9.67	36.81	60.00	23.19	QP
11	14.797	16.33	9.69	26.02	50.00	23.98	Average
12	14.797	30.40	9.69	40.09	60.00	19.91	QP

Test Mode: Scanning Stop (Receiving at 479.9875MHz was the worst)

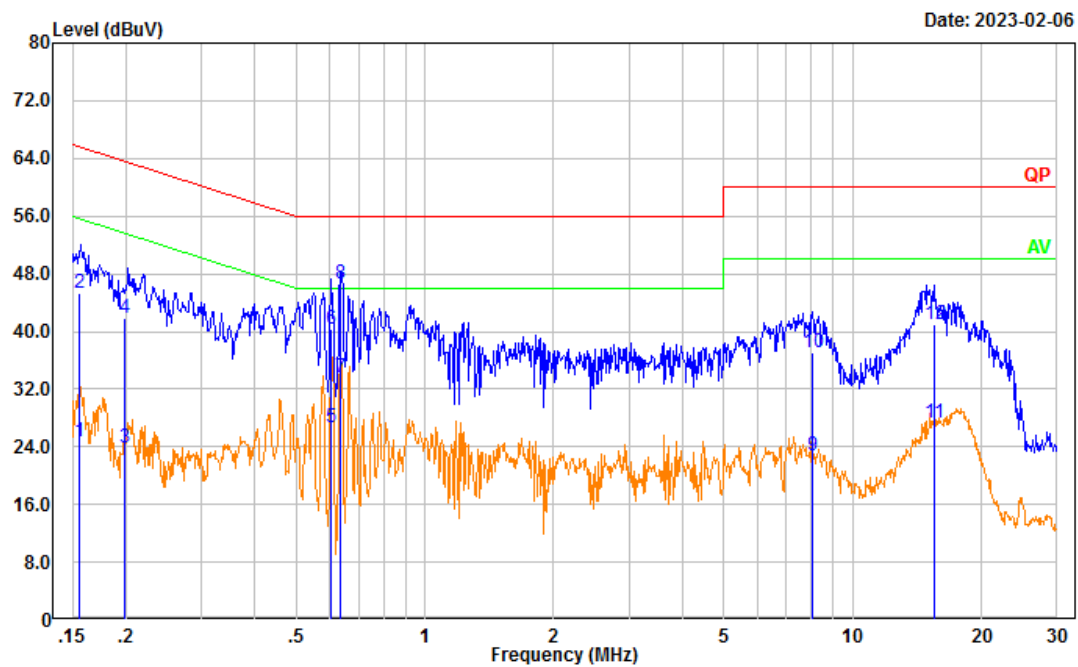
Port: Line

Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	19.96	9.61	29.57	55.88	26.31	Average
2	0.152	39.03	9.61	48.64	65.88	17.24	QP
3	0.178	19.03	9.61	28.64	54.58	25.94	Average
4	0.178	37.57	9.61	47.18	64.58	17.40	QP
5	0.605	24.47	9.62	34.09	46.00	11.91	Average
6	0.605	35.14	9.62	44.76	56.00	11.24	QP
7	0.658	16.89	9.62	26.51	46.00	19.49	Average
8	0.658	32.65	9.62	42.27	56.00	13.73	QP
9	14.707	12.64	9.69	22.33	50.00	27.67	Average
10	14.707	27.36	9.69	37.05	60.00	22.95	QP
11	15.372	13.57	9.70	23.27	50.00	26.73	Average
12	15.372	26.70	9.70	36.40	60.00	23.60	QP

Port: neutral
Note:

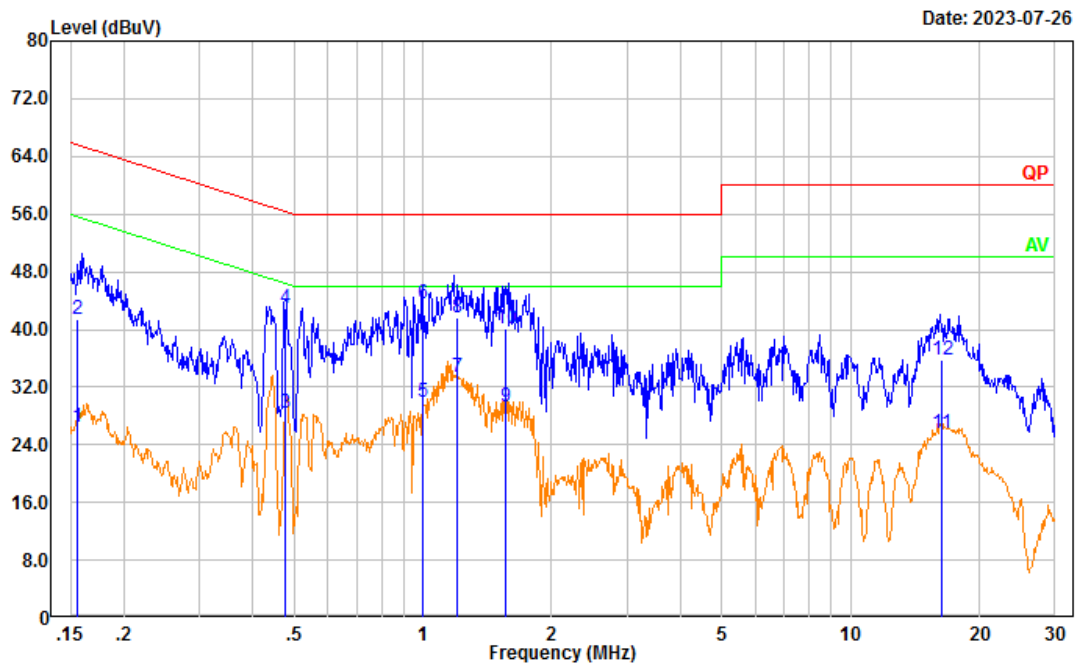


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.156	15.19	9.61	24.80	55.66	30.86	Average
2	0.156	35.64	9.61	45.25	65.66	20.41	QP
3	0.198	14.30	9.61	23.91	53.69	29.78	Average
4	0.198	32.14	9.61	41.75	63.69	21.94	QP
5	0.601	16.94	9.62	26.56	46.00	19.44	Average
6	0.601	30.71	9.62	40.33	56.00	15.67	QP
7	0.634	24.01	9.62	33.63	46.00	12.37	Average
8	0.634	37.08	9.62	46.70	56.00	9.30	QP
9	8.027	13.12	9.67	22.79	50.00	27.21	Average
10	8.027	27.30	9.67	36.97	60.00	23.03	QP
11	15.509	17.58	9.69	27.27	50.00	22.73	Average
12	15.509	31.36	9.69	41.05	60.00	18.95	QP

Power by USB port:**Test Mode:** Scanning

Port: Line

Note:

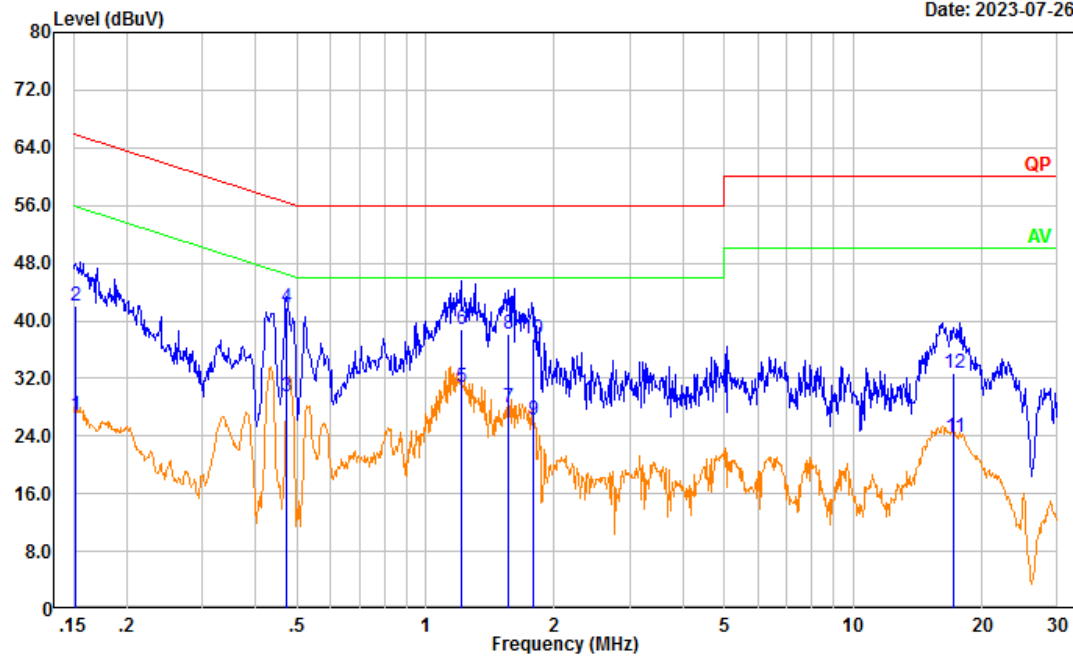


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.156	16.80	9.61	26.41	55.68	29.27	Average
2	0.156	31.81	9.61	41.42	65.68	24.26	QP
3	0.477	18.84	9.61	28.45	46.39	17.94	Average
4	0.477	33.30	9.61	42.91	56.39	13.48	QP
5	1.000	20.25	9.62	29.87	46.00	16.13	Average
6	1.000	34.04	9.62	43.66	56.00	12.34	QP
7	1.202	23.79	9.62	33.41	46.00	12.59	Average
8	1.202	32.08	9.62	41.70	56.00	14.30	QP
9	1.561	19.59	9.63	29.22	46.00	16.78	Average
10	1.561	30.55	9.63	40.18	56.00	15.82	QP
11	16.311	15.94	9.72	25.66	50.00	24.34	Average
12	16.311	26.09	9.72	35.81	60.00	24.19	QP

Port: neutral

Note:

Date: 2023-07-26

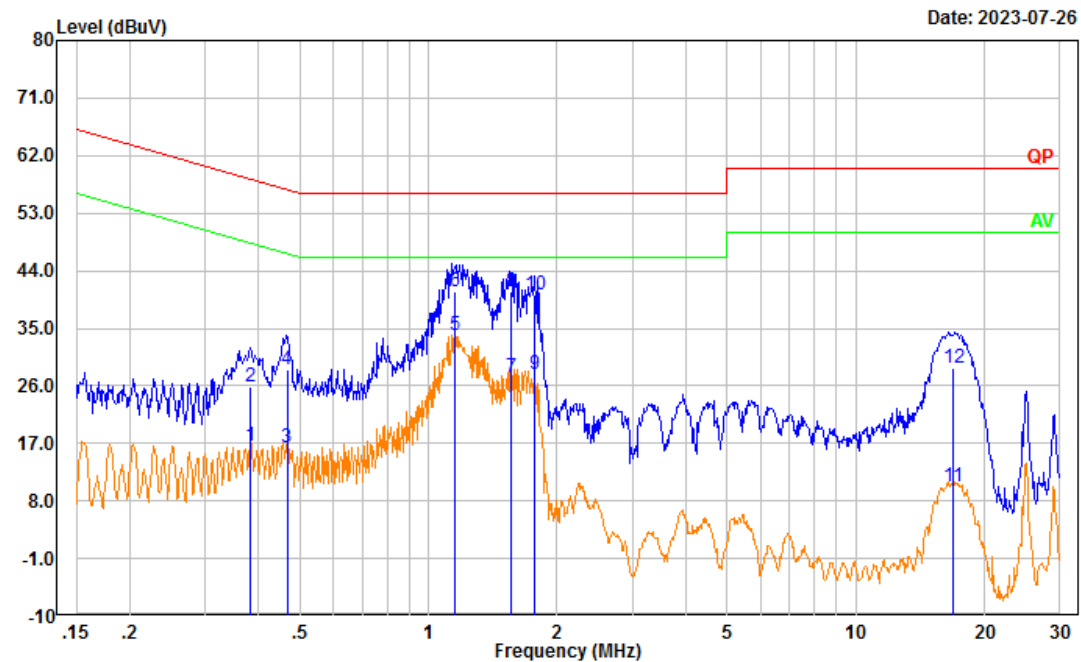


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.152	17.31	9.61	26.92	55.91	28.99	Average
2	0.152	32.36	9.61	41.97	65.91	23.94	QP
3	0.474	19.92	9.61	29.53	46.45	16.92	Average
4	0.474	32.32	9.61	41.93	56.45	14.52	QP
5	1.214	21.16	9.62	30.78	46.00	15.22	Average
6	1.214	29.14	9.62	38.76	56.00	17.24	QP
7	1.565	18.29	9.63	27.92	46.00	18.08	Average
8	1.565	28.55	9.63	38.18	56.00	17.82	QP
9	1.779	16.56	9.63	26.19	46.00	19.81	Average
10	1.779	27.93	9.63	37.56	56.00	18.44	QP
11	17.225	14.12	9.69	23.81	50.00	26.19	Average
12	17.225	23.02	9.69	32.71	60.00	27.29	QP

Test Mode: Scanning Stop (Receiving at 479.9875MHz was the worst)

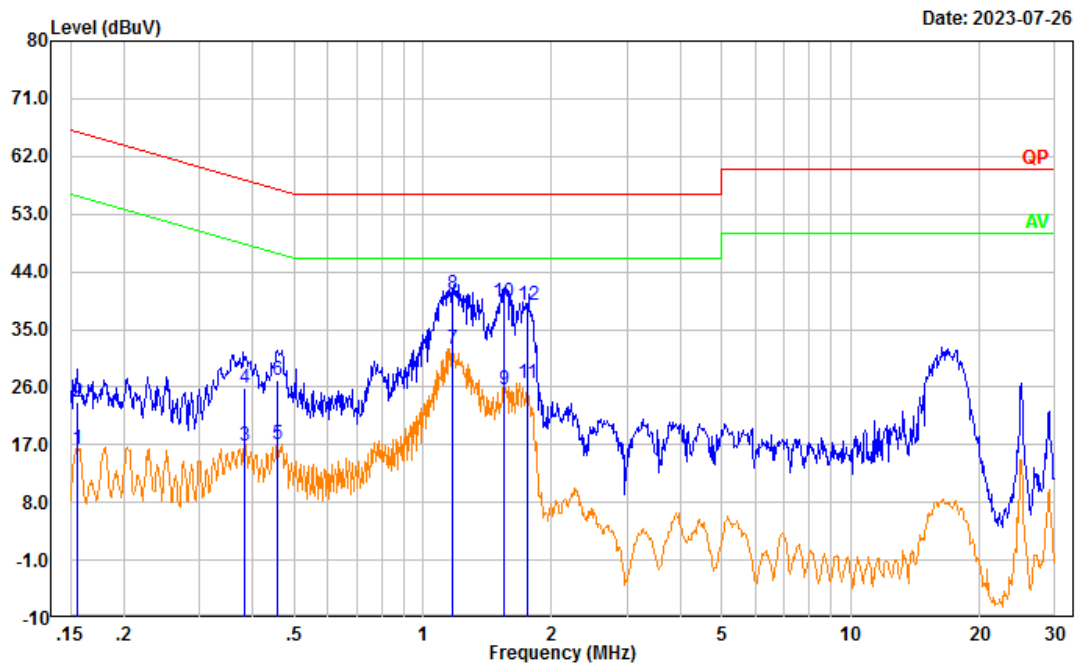
Port: Line

Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.383	6.92	9.61	16.53	48.21	31.68	Average
2	0.383	16.28	9.61	25.89	58.21	32.32	QP
3	0.467	6.83	9.61	16.44	46.57	30.13	Average
4	0.467	18.82	9.61	28.43	56.57	28.14	QP
5	1.156	24.25	9.62	33.87	46.00	12.13	Average
6	1.156	31.23	9.62	40.85	56.00	15.15	QP
7	1.566	17.76	9.63	27.39	46.00	18.61	Average
8	1.566	31.11	9.63	40.74	56.00	15.26	QP
9	1.769	18.23	9.63	27.86	46.00	18.14	Average
10	1.769	30.57	9.63	40.20	56.00	15.80	QP
11	16.882	0.53	9.73	10.26	50.00	39.74	Average
12	16.882	18.97	9.73	28.70	60.00	31.30	QP

Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.156	6.85	9.61	16.46	55.67	39.21	Average
2	0.156	14.02	9.61	23.63	65.67	42.04	QP
3	0.385	7.24	9.61	16.85	48.18	31.33	Average
4	0.385	16.30	9.61	25.91	58.18	32.27	QP
5	0.457	7.54	9.61	17.15	46.74	29.59	Average
6	0.457	17.45	9.61	27.06	56.74	29.68	QP
7	1.169	22.43	9.62	32.05	46.00	13.95	Average
8	1.169	30.84	9.62	40.46	56.00	15.54	QP
9	1.542	15.98	9.63	25.61	46.00	20.39	Average
10	1.542	29.54	9.63	39.17	56.00	16.83	QP
11	1.757	16.88	9.63	26.51	46.00	19.49	Average
12	1.757	29.25	9.63	38.88	56.00	17.12	QP

4.2 Radiation Spurious Emissions

Serial Number:	1XZ9-9	Test Date:	2023/02/12~2023/02/16
Test Site:	966-1, 966-2	Test Mode:	Receiving/Scanning
Tester:	Mack Huang, Carl Xue	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2~23.6	Relative Humidity: (%)	42~68	8ATM Pressure: (kPa)	100.8~102.1
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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	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
Audix	Test Software	E3	201021 (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).

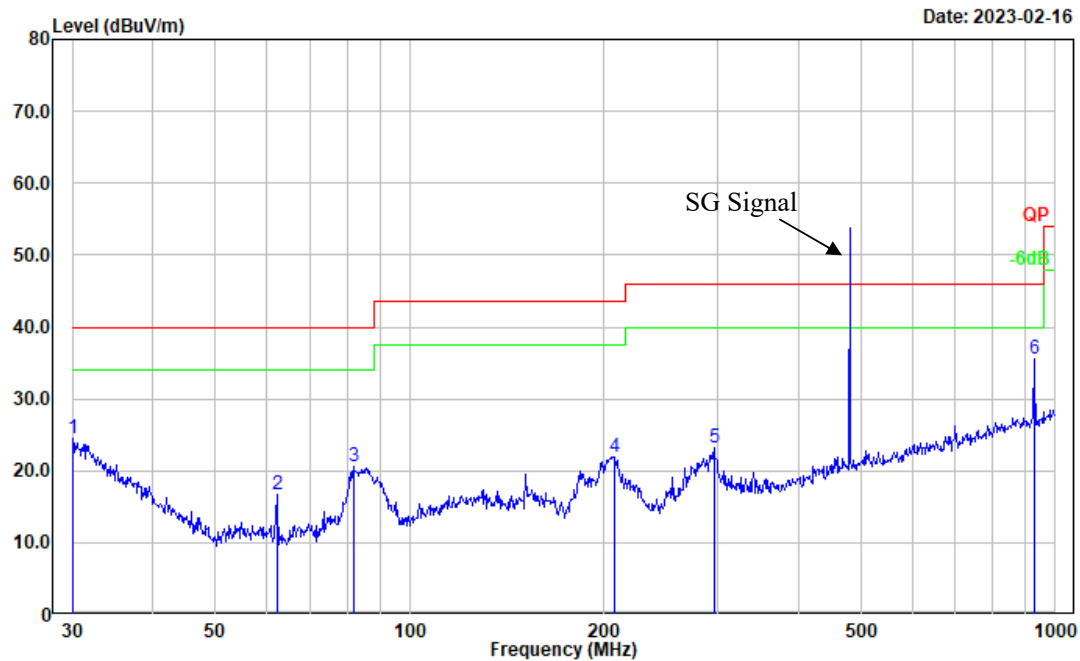
1) 30MHz-1GHz:

Scanning stop mode(Receiving at 479.9875MHz)

Charger power mode:

Polarization: horizontal

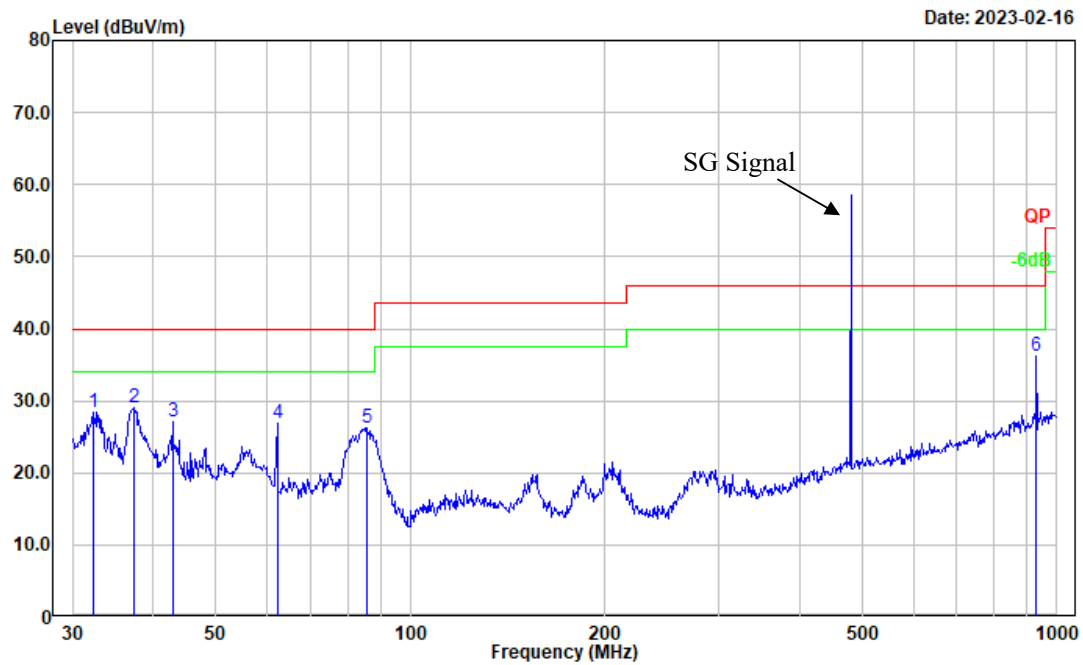
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.105	28.10	-3.68	24.42	40.00	15.58	Peak
2	62.213	33.88	-17.22	16.66	40.00	23.34	Peak
3	81.783	37.98	-17.36	20.62	40.00	19.38	Peak
4	207.850	34.35	-12.43	21.92	43.50	21.58	Peak
5	296.184	33.86	-10.73	23.13	46.00	22.87	Peak
6	925.756	36.07	-0.62	35.45	46.00	10.55	Peak

Polarization: vertical

Note:

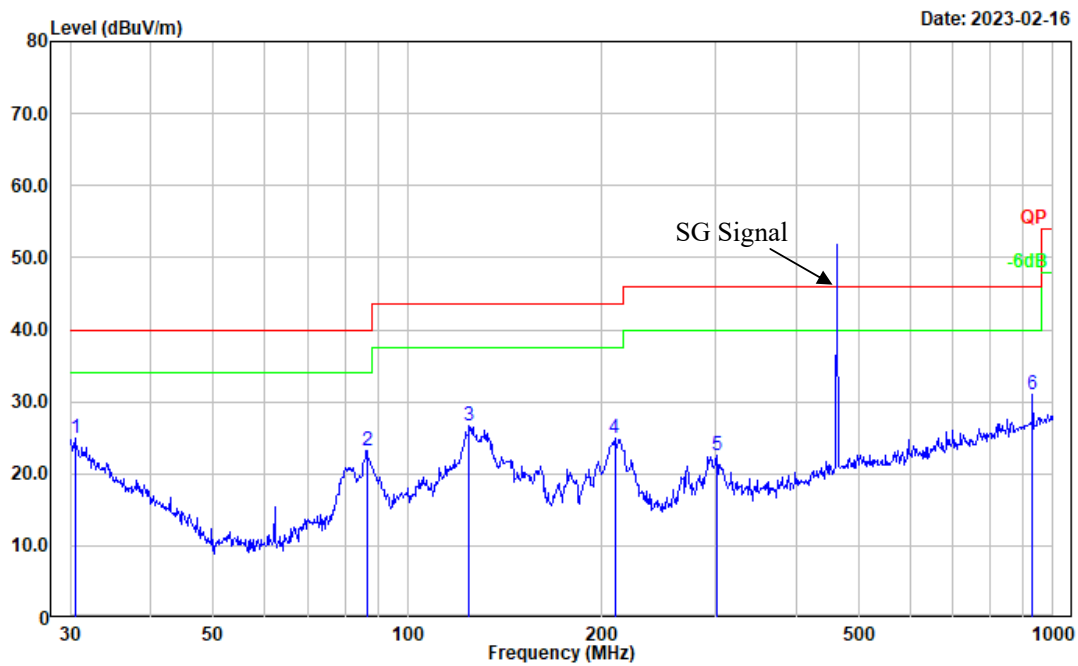


No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	32.293	33.78	-5.36	28.42	40.00	11.58	Peak
2	37.416	38.41	-9.31	29.10	40.00	10.90	Peak
3	42.900	40.02	-13.01	27.01	40.00	12.99	Peak
4	62.213	44.12	-17.22	26.90	40.00	13.10	Peak
5	85.598	43.48	-17.15	26.33	40.00	13.67	Peak
6	929.008	36.89	-0.58	36.31	46.00	9.69	Peak

Powered by USB port:

Polarization: horizontal

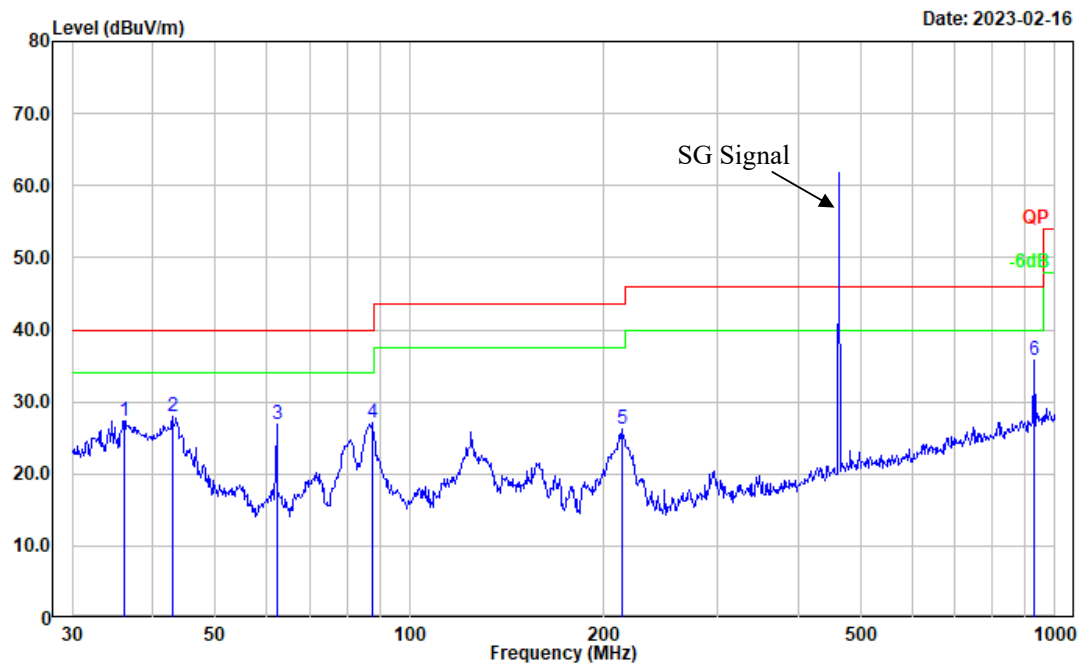
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.531	28.89	-4.00	24.89	40.00	15.11	Peak
2	86.503	40.30	-17.11	23.19	40.00	16.81	Peak
3	124.569	38.08	-11.35	26.73	43.50	16.77	Peak
4	209.313	37.48	-12.46	25.02	43.50	18.48	Peak
5	301.422	33.12	-10.61	22.51	46.00	23.49	Peak
6	929.008	31.52	-0.58	30.94	46.00	15.06	Peak

Polarization: vertical

Note:



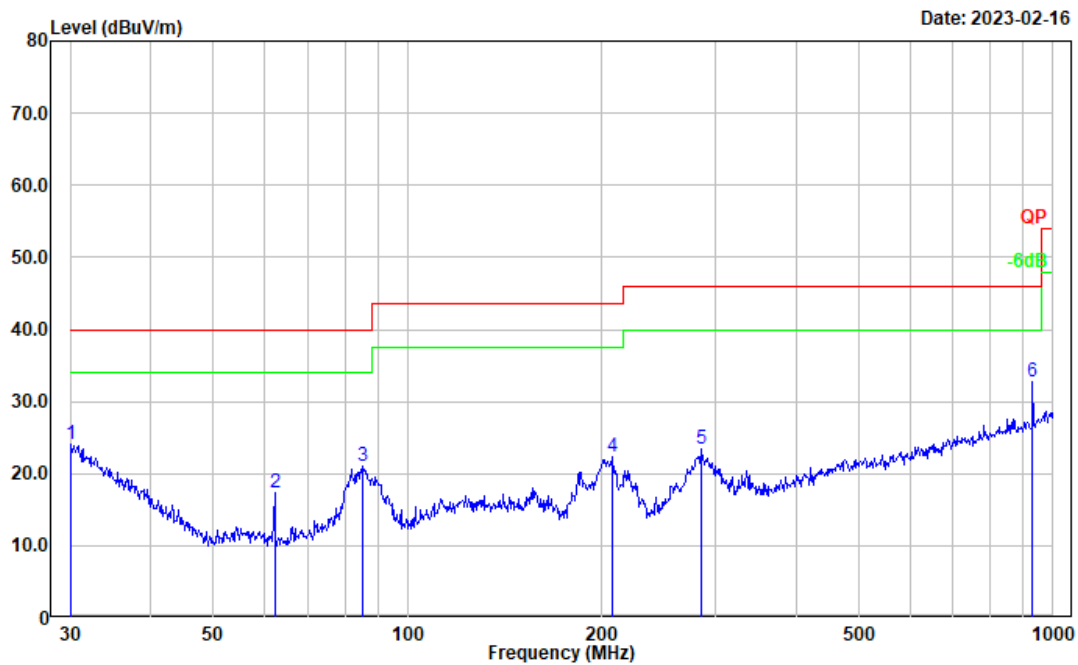
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	36.127	35.75	-8.34	27.41	40.00	12.59	Peak
2	42.900	40.89	-13.01	27.88	40.00	12.12	Peak
3	62.213	44.19	-17.22	26.97	40.00	13.03	Peak
4	87.418	44.22	-17.07	27.15	40.00	12.85	Peak
5	213.015	38.77	-12.54	26.23	43.50	17.27	Peak
6	929.008	36.30	-0.58	35.72	46.00	10.28	Peak

Per the above power mode was tested, the worst is Charger power mode, which was tested for below modes:

Test Mode: Scanning

Polarization: horizontal

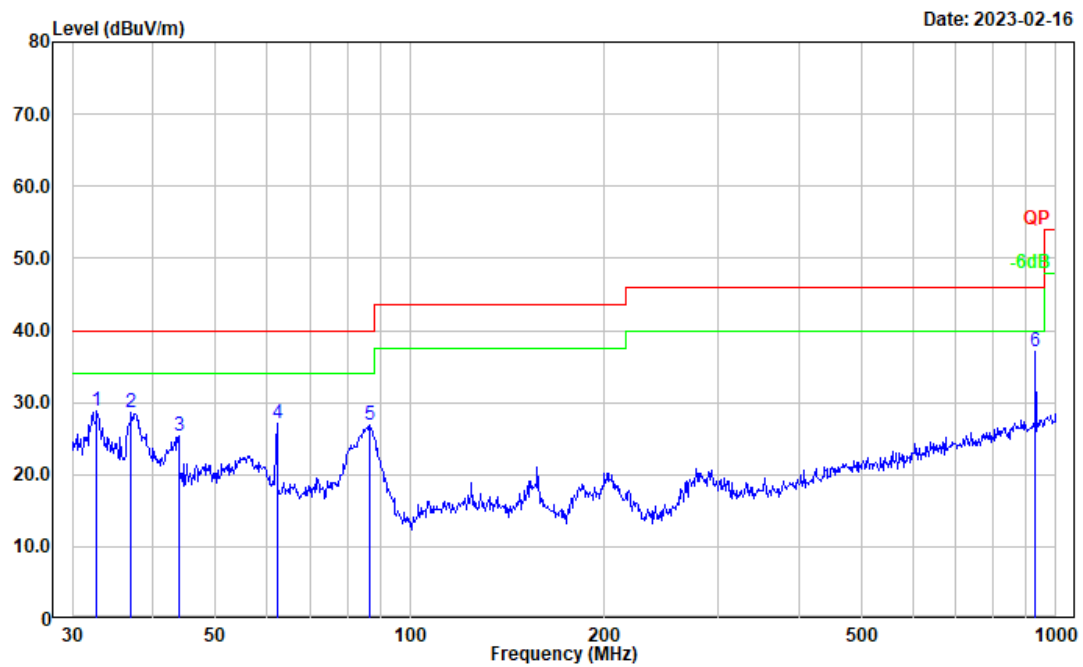
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.60	-3.60	24.00	40.00	16.00	Peak
2	62.213	34.62	-17.22	17.40	40.00	22.60	Peak
3	84.999	38.19	-17.19	21.00	40.00	19.00	Peak
4	207.123	34.68	-12.40	22.28	43.50	21.22	Peak
5	284.977	34.67	-11.34	23.33	46.00	22.67	Peak
6	929.008	33.41	-0.58	32.83	46.00	13.17	Peak

Polarization: vertical

Note:

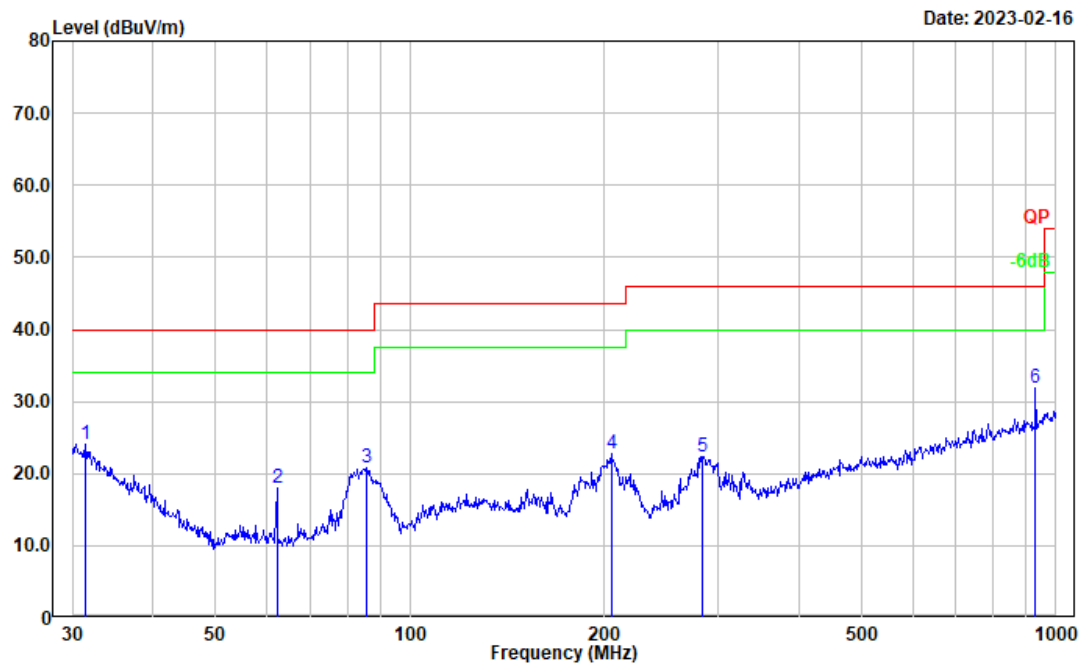


No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	32.749	34.58	-5.71	28.87	40.00	11.13	Peak
2	37.025	37.61	-9.03	28.58	40.00	11.42	Peak
3	43.812	39.02	-13.56	25.46	40.00	14.54	Peak
4	62.213	44.32	-17.22	27.10	40.00	12.90	Peak
5	86.807	43.94	-17.10	26.84	40.00	13.16	Peak
6	929.008	37.58	-0.58	37.00	46.00	9.00	Peak

Test Mode: Scanning Stop, Receiving at 26.765MHz:

Polarization: horizontal

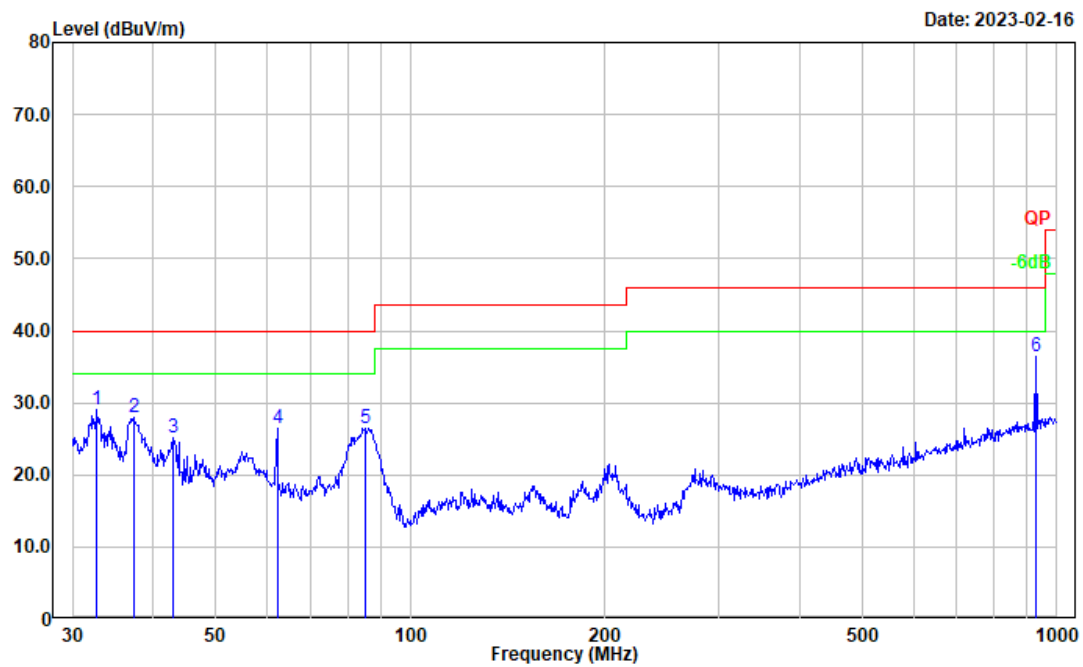
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.510	28.85	-4.75	24.10	40.00	15.90	Peak
2	62.213	35.26	-17.22	18.04	40.00	21.96	Peak
3	85.598	37.99	-17.15	20.84	40.00	19.16	Peak
4	204.955	35.07	-12.36	22.71	43.50	20.79	Peak
5	283.979	33.79	-11.40	22.39	46.00	23.61	Peak
6	929.008	32.53	-0.58	31.95	46.00	14.05	Peak

Polarization: vertical

Note:

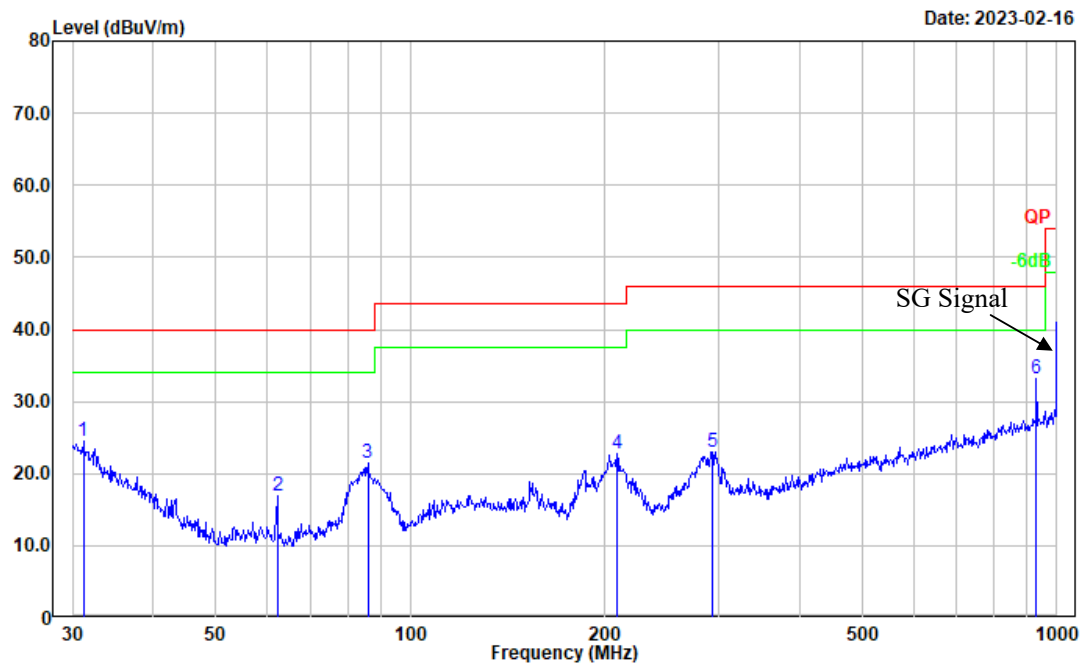


No.	Frequency (MHz)	Reading (dB μ V)	Factor (dB/m)	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector
1	32.749	34.72	-5.71	29.01	40.00	10.99	Peak
2	37.416	37.38	-9.31	28.07	40.00	11.93	Peak
3	42.900	38.26	-13.01	25.25	40.00	14.75	Peak
4	62.213	43.57	-17.22	26.35	40.00	13.65	Peak
5	84.999	43.69	-17.19	26.50	40.00	13.50	Peak
6	925.756	37.13	-0.62	36.51	46.00	9.49	Peak

Test Mode: Scanning Stop, Receiving at 999.9975MHz:

Polarization: horizontal

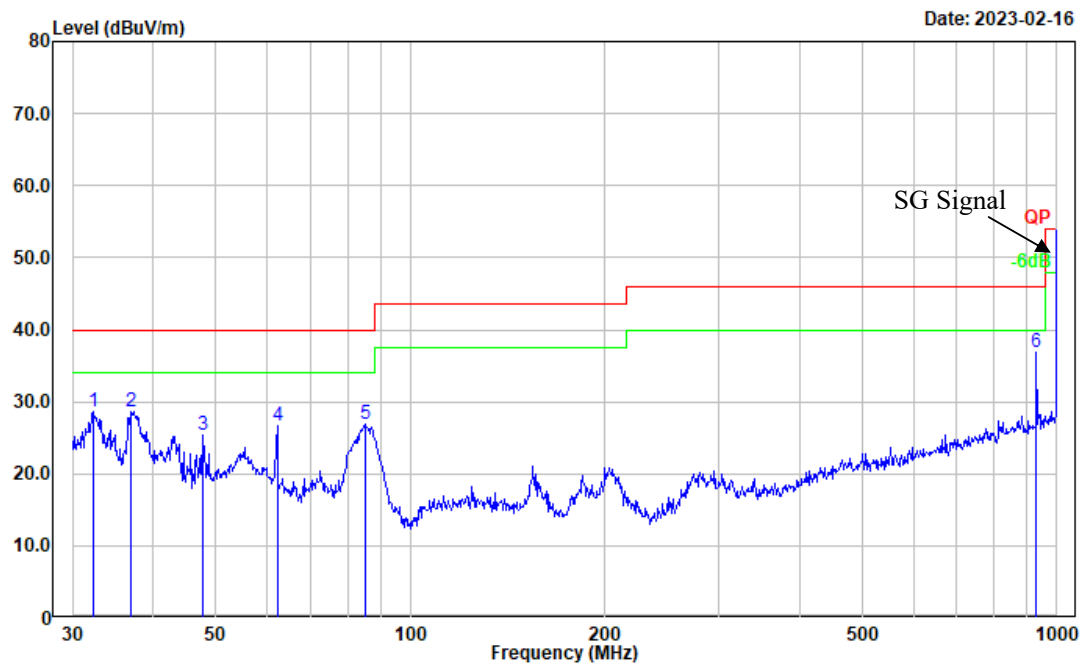
Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31.180	29.10	-4.50	24.60	40.00	15.40	Peak
2	62.213	34.15	-17.22	16.93	40.00	23.07	Peak
3	85.898	38.63	-17.15	21.48	40.00	18.52	Peak
4	208.580	35.21	-12.44	22.77	43.50	20.73	Peak
5	293.084	33.92	-10.87	23.05	46.00	22.95	Peak
6	929.008	33.84	-0.58	33.26	46.00	12.74	Peak

Polarization: vertical

Note:

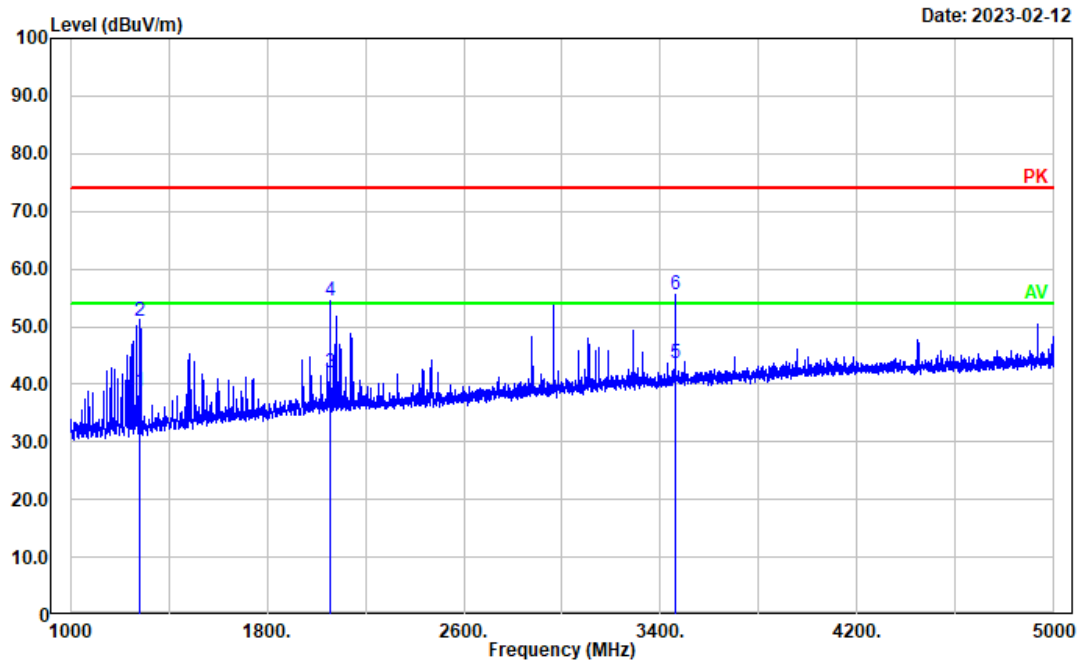


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.406	33.97	-5.45	28.52	40.00	11.48	Peak
2	36.895	37.64	-8.93	28.71	40.00	11.29	Peak
3	47.659	41.30	-15.83	25.47	40.00	14.53	Peak
4	62.213	43.89	-17.22	26.67	40.00	13.33	Peak
5	84.999	44.10	-17.19	26.91	40.00	13.09	Peak
6	929.008	37.35	-0.58	36.77	46.00	9.23	Peak

2) Above 1GHz(charger power mode was tested):**Scanning Mode**

Polarization: horizontal

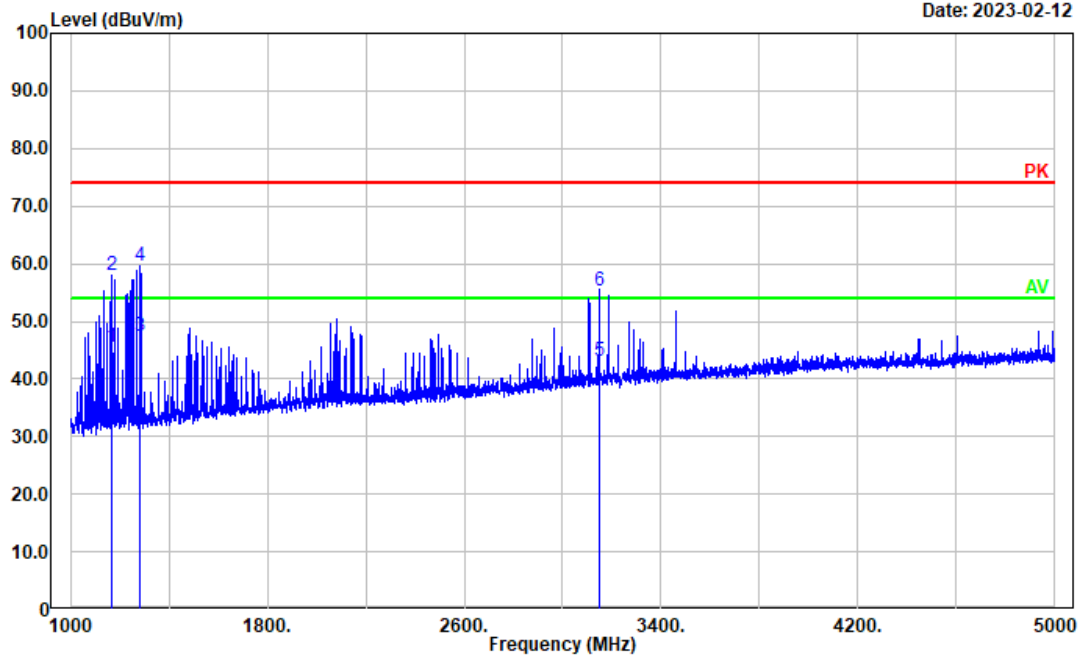
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1284.857	40.40	-1.72	38.68	54.00	15.32	Average
2	1284.857	52.80	-1.72	51.08	74.00	22.92	Peak
3	2055.411	39.44	2.51	41.95	54.00	12.05	Average
4	2055.411	51.86	2.51	54.37	74.00	19.63	Peak
5	3459.692	36.05	7.50	43.55	54.00	10.45	Average
6	3459.692	48.08	7.50	55.58	74.00	18.42	Peak

Polarization: vertical
Note:

Date: 2023-02-12

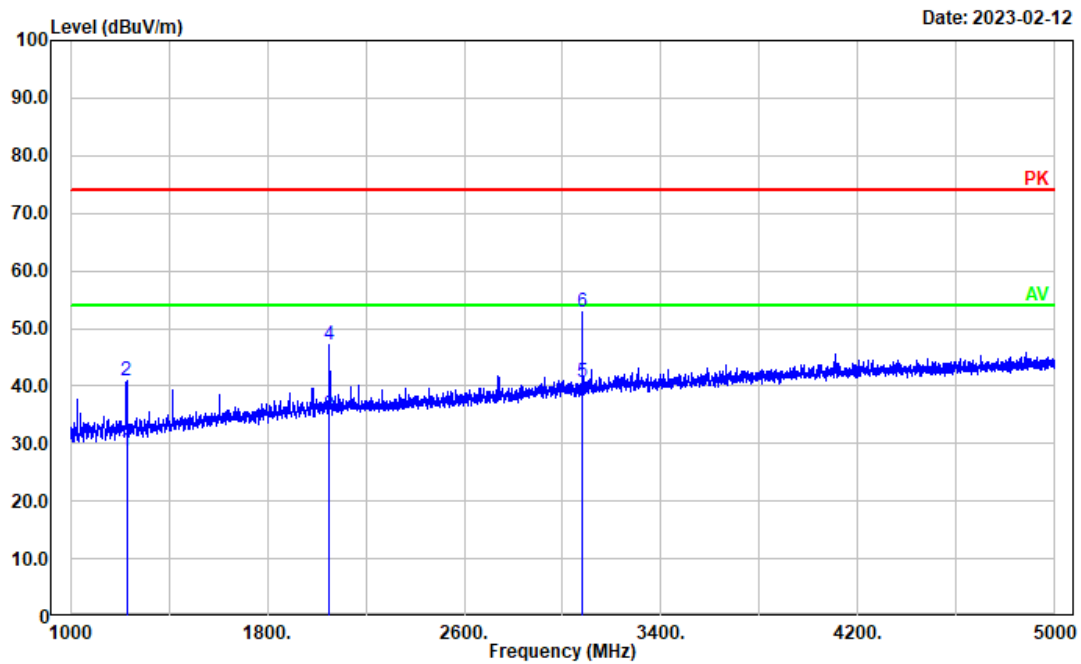


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1164.833	47.44	-1.85	45.59	54.00	8.41	Average
2	1164.833	59.89	-1.85	58.04	74.00	15.96	Peak
3	1284.857	49.11	-1.72	47.39	54.00	6.61	Average
4	1284.857	61.22	-1.72	59.50	74.00	14.50	Peak
5	3147.630	36.40	6.60	43.00	54.00	11.00	Average
6	3147.630	48.82	6.60	55.42	74.00	18.58	Peak

Test Mode: *Receiving (999.9975MHz was the worst)*

Polarization: horizontal

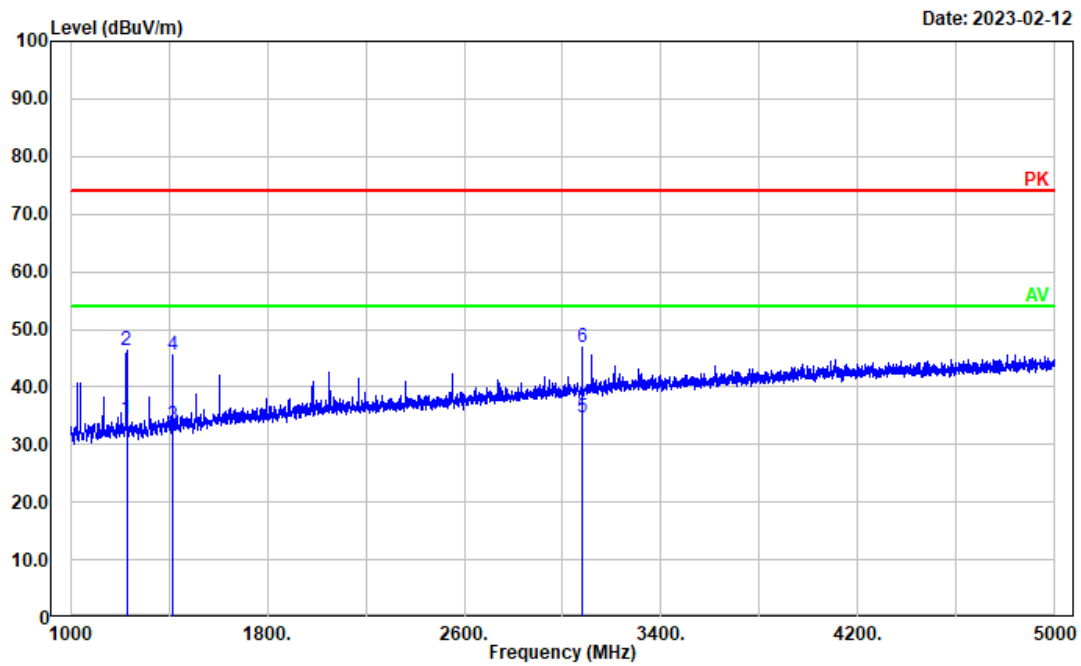
Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1228.046	30.35	-1.70	28.65	54.00	25.35	Average
2	1228.046	42.70	-1.70	41.00	74.00	33.00	Peak
3	2053.010	32.38	2.51	34.89	54.00	19.11	Average
4	2053.010	44.77	2.51	47.28	74.00	26.72	Peak
5	3079.616	34.25	6.33	40.58	54.00	13.42	Average
6	3079.616	46.51	6.33	52.84	74.00	21.16	Peak

Polarization: vertical

Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1228.046	36.03	-1.70	34.33	54.00	19.67	Average
2	1228.046	48.06	-1.70	46.36	74.00	27.64	Peak
3	1416.883	34.17	-0.82	33.35	54.00	20.65	Average
4	1416.883	46.33	-0.82	45.51	74.00	28.49	Peak
5	3079.616	28.29	6.33	34.62	54.00	19.38	Average
6	3079.616	40.60	6.33	46.93	74.00	27.07	Peak

4.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers

Serial Number:	1XZ9-9	Test Date:	2023/02/06
Test Site:	RF	Test Mode:	Scanning
Tester:	Morpheus Shi	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	20.3	Relative Humidity: (%)	68	ATM Pressure: (kPa)	101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/07/25	2023/07/24
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
HP	RF Communications Test Set	8920A	3438A05209	2022/7/15	2023/7/14
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2022/11/18	2023/11/17

** 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:

Scanning Frequency Range	Test Frequency	Measurement Result (Worst Case)	Limit
MHz	MHz	dB	dB
26.765-999.9975	824, 836, 849, 869, 881.5, 894	46.39	>38

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