



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



TEST REPORT

Applicant: PO FUNG ELECTRONIC (HK) INTERNATONAL GROUP COMPANY LIMITED

Address: Room 1508, 15/F, Office Tower II, Grand Plaza, 625 Nathan Road, Kowloon, Hong Kong

FCC ID: 2AJGM-5RH

Product Name: Amateur Radio

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

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: CR230637671-00A

Date Of Issue: 2023/10/20

Reviewed By: Julie Tan
Title: RF Engineer

Julie Tan

Approved By: Sun Zhong
Title: Manager

Sun Zhong

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

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Tel: +86-769-82016888

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	CR230637671-00A	Original Report	2023/10/20

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Product Name:	Amateur Radio
Test Model:	UV-5RH
Multiple Models:	UV-5RL,UV-5RM,AT-5R,AR-5RH,RD-5RH,MK-5RH,GS-5R, BF-5RH,BF-5RL,TH-5RH, K5PLUS
Highest Operation Frequency:	520MHz
Rated Input Voltage:	DC 7.4V from battery DC 5V charging from USB (Note: Manufacturer declared that EUT cannot charging from charger base)
Serial Number:	27OX-1
EUT Received Date:	2023/7/4
EUT Received Status:	Good
Note: The Multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

Accessory Information:

No.

Operation Frequency And Test Channel:

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
VHF Receiving	136-174	136.0125, 155, 173.9875
UHF Receiving	400-520	400.0125, 460, 519.9875
Scanning	136-174 400-520	/

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: M1: Charging & Scanning (136-520) M2: Charging & Receiving (136.0125;155;173.9875; 400.0125; 460;519.9875) (Note: Manufacturer declared that EUT cannot charging from charger base)
Equipment Modifications:	No
EUT Exercise Software:	No

1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Fangxin	Adapter	FX2U-050200U	AD220930001
PO FUNG	Earphone	480	4801
Agilent	MXG Vector Signal Generator	N5182B	MY51350142

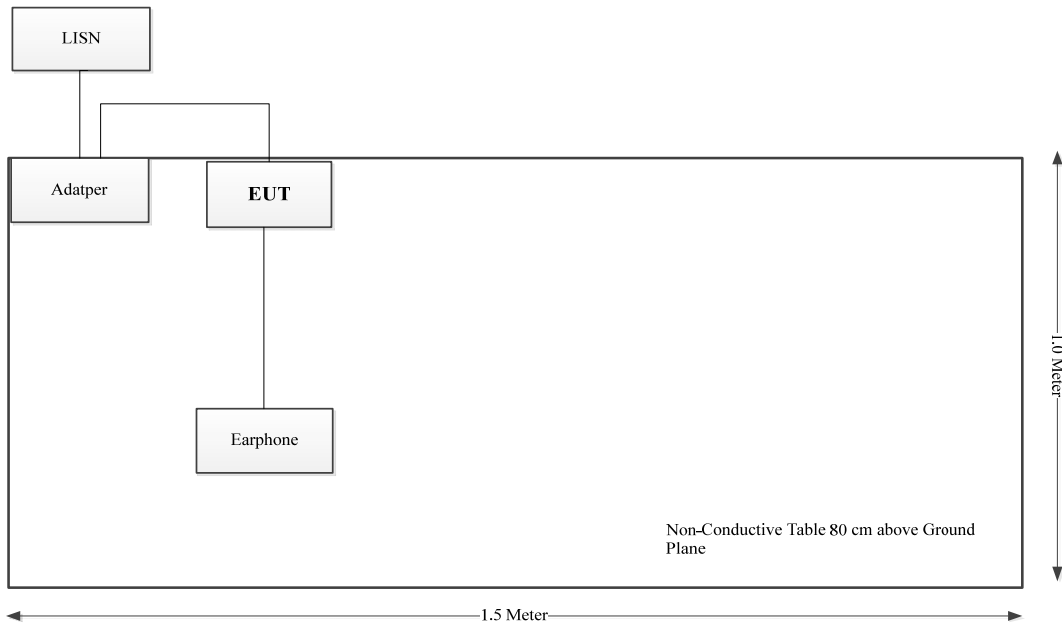
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Antenna cable	No	No	1.5	Antenna	N5182B
Earphone cable	No	No	1	Earphone	EUT
Adapter cable	No	No	0.8	Adapter	EUT

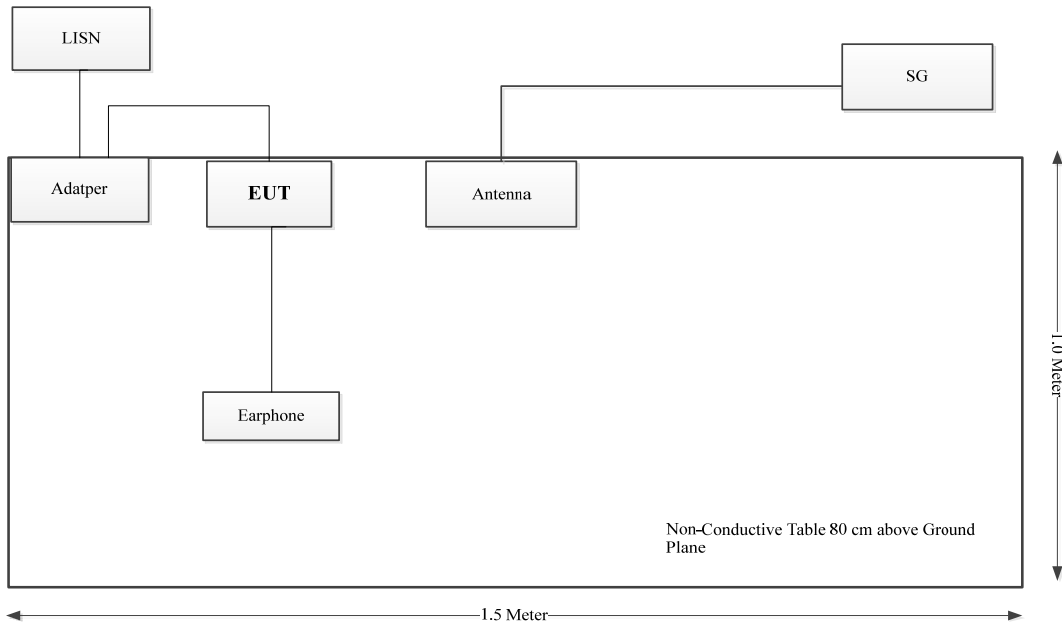
1.2.4 Block Diagram of Test Setup

CE:

M1:

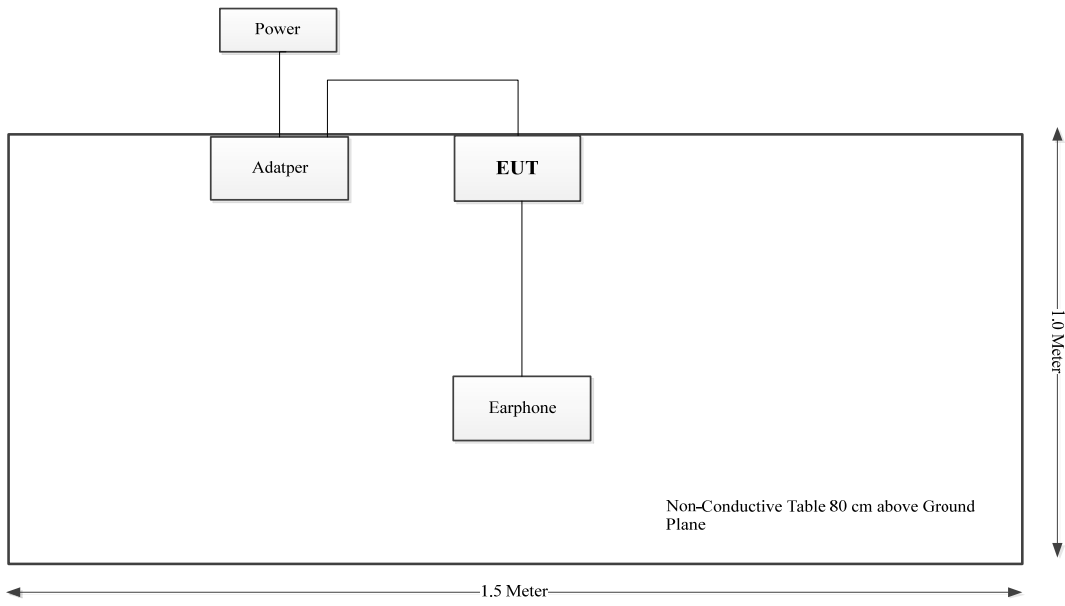


M2:

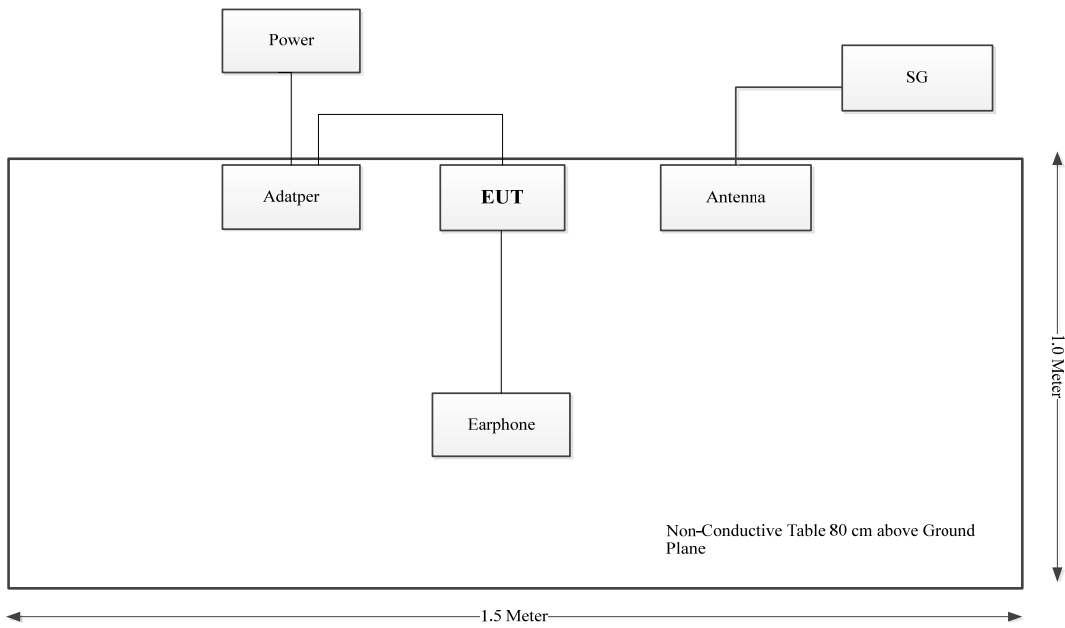


RE:

M1:



M2:



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	±1 °C
Humidity	±5%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

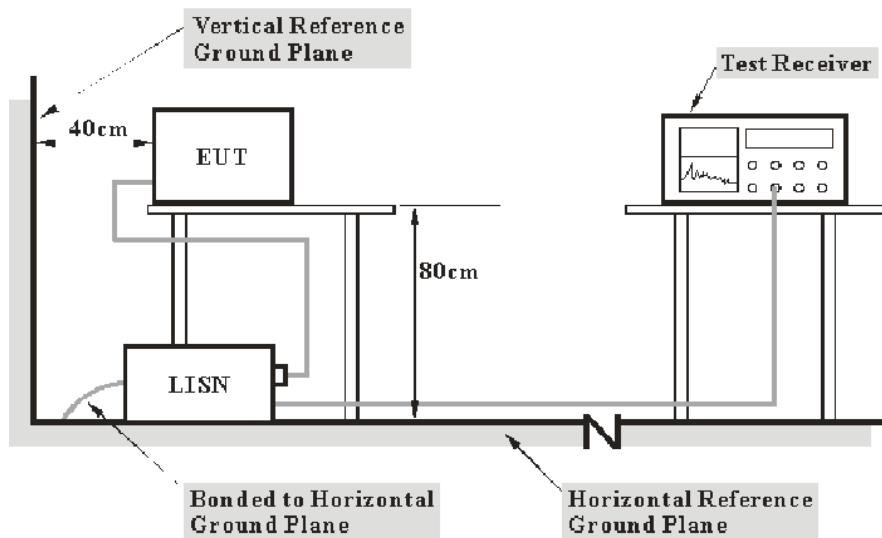
2. SUMMARY OF TEST RESULTS

Standard(s) Section	Description of Test	Result
§15.107	Conducted emissions	Compliant
§15.109	Radiated emissions	Compliant
§15.111	Antenna power conduction limits for receivers	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

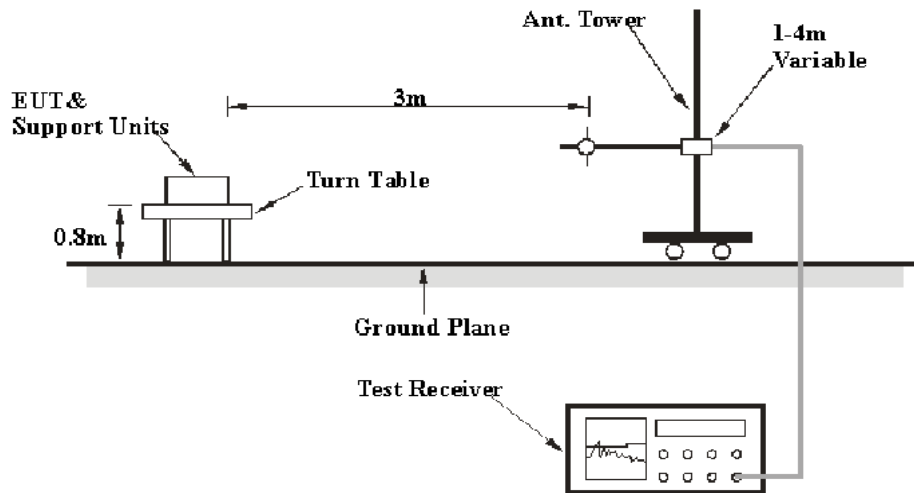
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

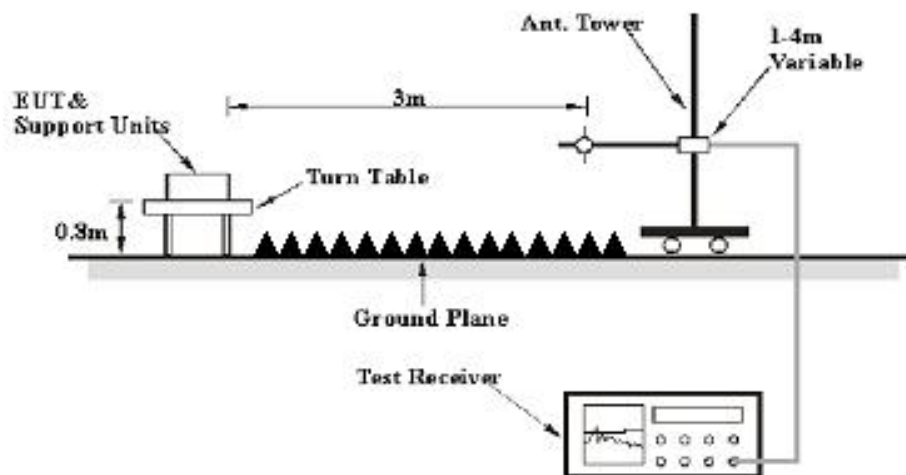
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission 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	100 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:

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

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

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

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

3.3 Antenna Power Conduction Limits for Receivers

3.3.1 Applicable Standard

FCC§15.111.

(a) In addition to the radiated emission limits, receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provide terminals for the connection of an external receiving antenna may be tested to demonstrate compliance with the provisions of § 15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna, provided these receivers also comply with the following: With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at any frequency within the range of measurements specified in § 15.33 shall not exceed 2.0 nanowatts.

3.3.2 Test Procedure

EUT antenna port connected to a spectrum analyzer, the traces were recorded as shown on the data pages.

3.4 Scanning Receivers and Frequency Converters Used with Scanning Receivers

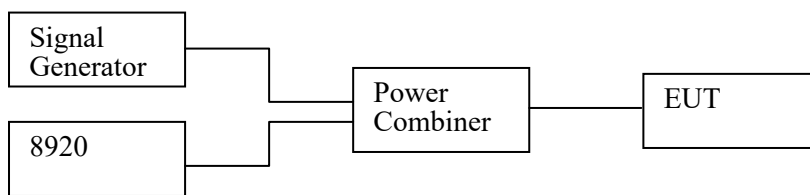
3.4.1 Applicable Standard

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.

3.4.2 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 8920 output power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB; These output level of the 8920 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:	27OX-1	Test Date:	2023/07/10
Test Site:	CE	Test Mode:	M1,M2
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.1	Relative Humidity: (%)	56	ATM Pressure: (kPa)	101
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Test Equipment List and Details:

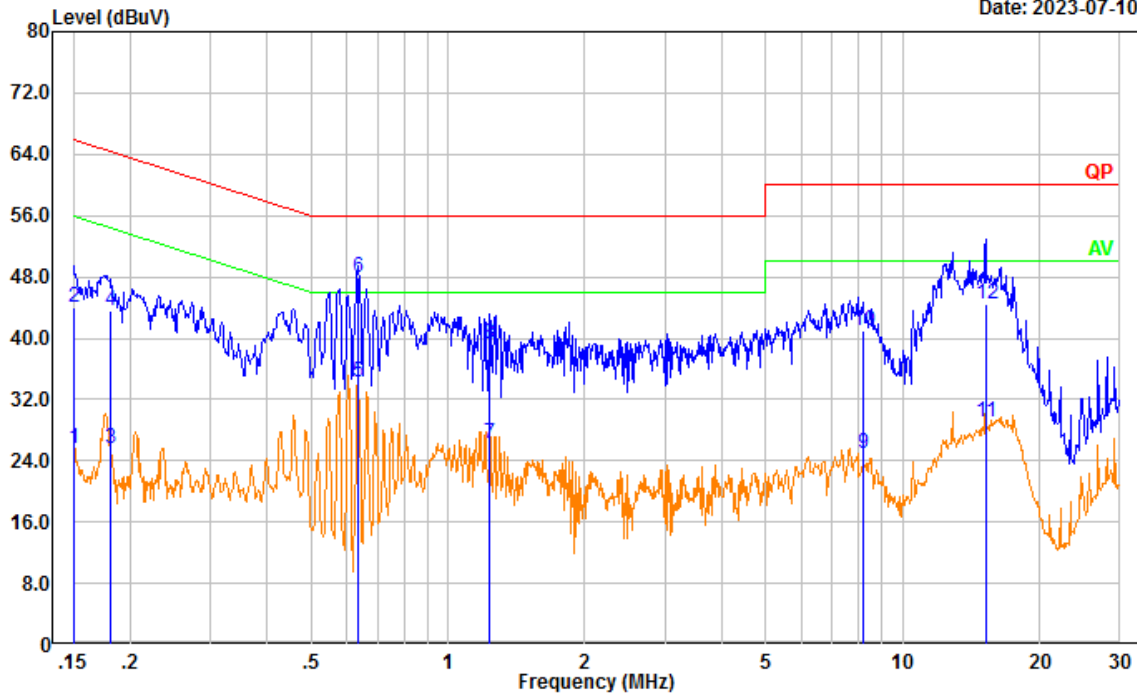
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/03/31	2024/03/30
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

* 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).

Test Mode: MI

Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:

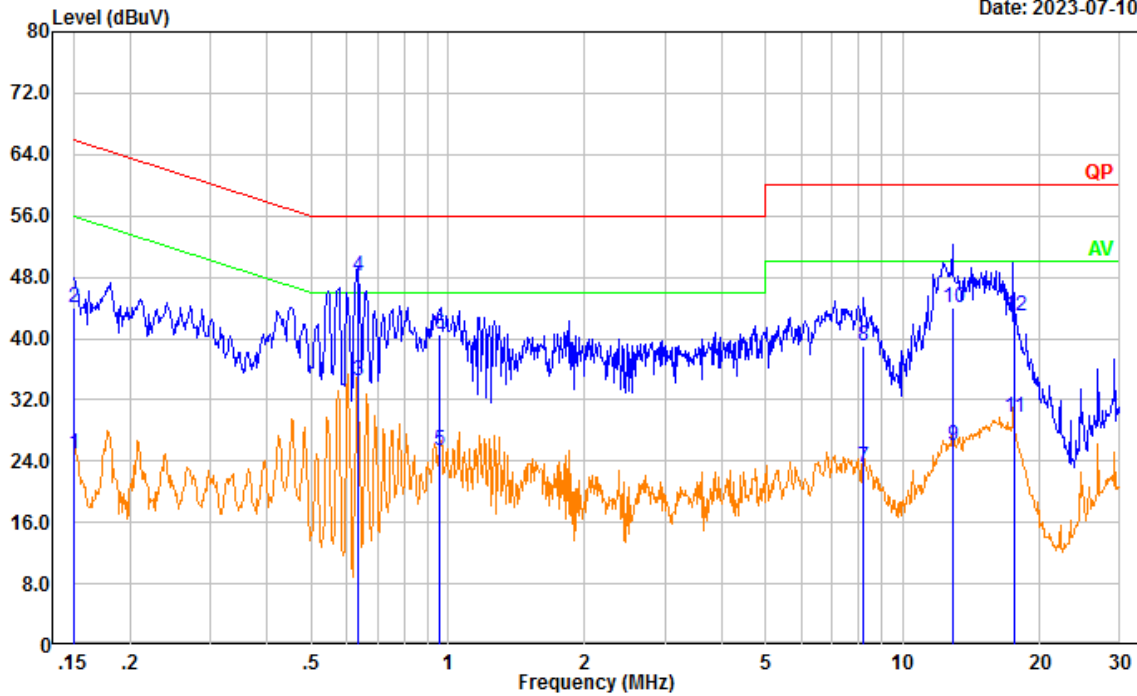
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	15.93	9.61	25.54	55.97	30.43	Average
2	0.151	34.43	9.61	44.04	65.97	21.93	QP
3	0.180	16.01	9.61	25.62	54.46	28.84	Average
4	0.180	33.95	9.61	43.56	64.46	20.90	QP
5	0.636	24.64	9.62	34.26	46.00	11.74	Average
6	0.636	38.39	9.62	48.01	56.00	7.99	QP
7	1.236	16.60	9.62	26.22	46.00	19.78	Average
8	1.236	29.52	9.62	39.14	56.00	16.86	QP
9	8.206	15.19	9.67	24.86	50.00	25.14	Average
10	8.206	31.26	9.67	40.93	60.00	19.07	QP
11	15.226	19.39	9.69	29.08	50.00	20.92	Average
12	15.226	34.83	9.69	44.52	60.00	15.48	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: neutral
 Note:

Date: 2023-07-10

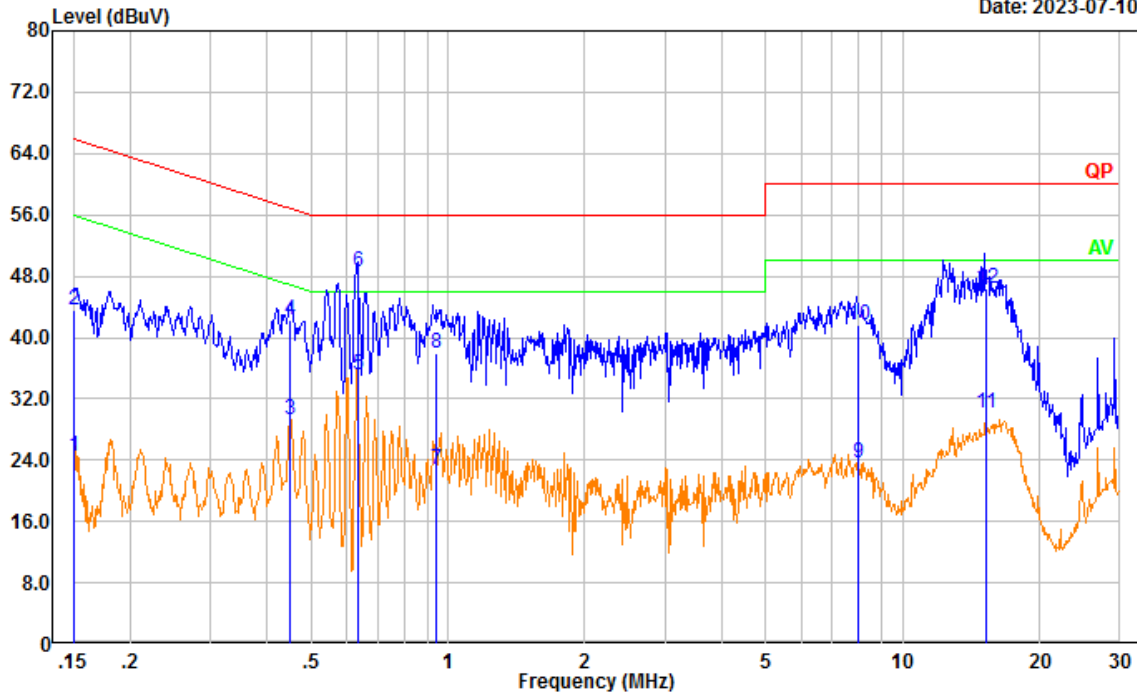


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	15.37	9.61	24.98	55.96	30.98	Average
2	0.151	34.40	9.61	44.01	65.96	21.95	QP
3	0.635	24.96	9.62	34.58	46.00	11.42	Average
4	0.635	38.55	9.62	48.17	56.00	7.83	QP
5	0.959	15.69	9.62	25.31	46.00	20.69	Average
6	0.959	30.87	9.62	40.49	56.00	15.51	QP
7	8.194	13.49	9.67	23.16	50.00	26.84	Average
8	8.194	29.27	9.67	38.94	60.00	21.06	QP
9	12.877	16.31	9.68	25.99	50.00	24.01	Average
10	12.877	34.27	9.68	43.95	60.00	16.05	QP
11	17.566	19.97	9.69	29.66	50.00	20.34	Average
12	17.566	33.17	9.69	42.86	60.00	17.14	QP

Test Mode: M2 (RX 136.0125MHz)

Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:

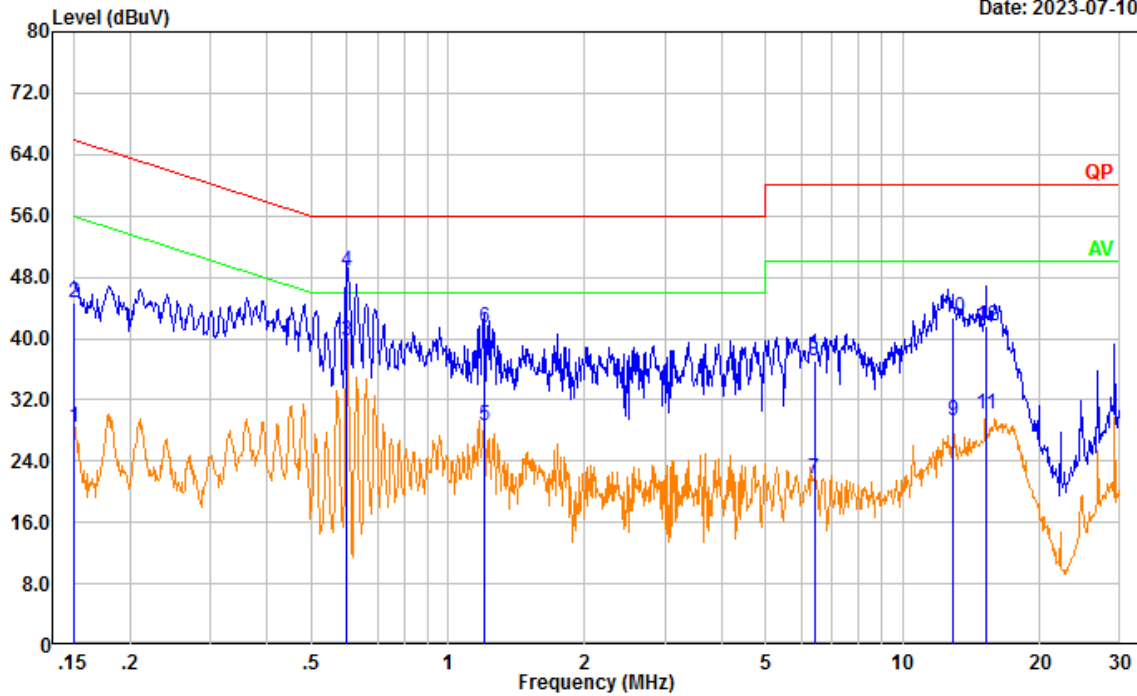
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.150	14.94	9.61	24.55	55.99	31.44	Average
2	0.150	34.05	9.61	43.66	65.99	22.33	QP
3	0.451	19.60	9.61	29.21	46.86	17.65	Average
4	0.451	32.71	9.61	42.32	56.86	14.54	QP
5	0.634	25.58	9.62	35.20	46.00	10.80	Average
6	0.634	38.85	9.62	48.47	56.00	7.53	QP
7	0.943	13.12	9.62	22.74	46.00	23.26	Average
8	0.943	28.39	9.62	38.01	56.00	17.99	QP
9	7.980	13.87	9.67	23.54	50.00	26.46	Average
10	7.980	31.91	9.67	41.58	60.00	18.42	QP
11	15.252	20.37	9.70	30.07	50.00	19.93	Average
12	15.252	36.80	9.70	46.50	60.00	13.50	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: neutral
 Note:

Date: 2023-07-10

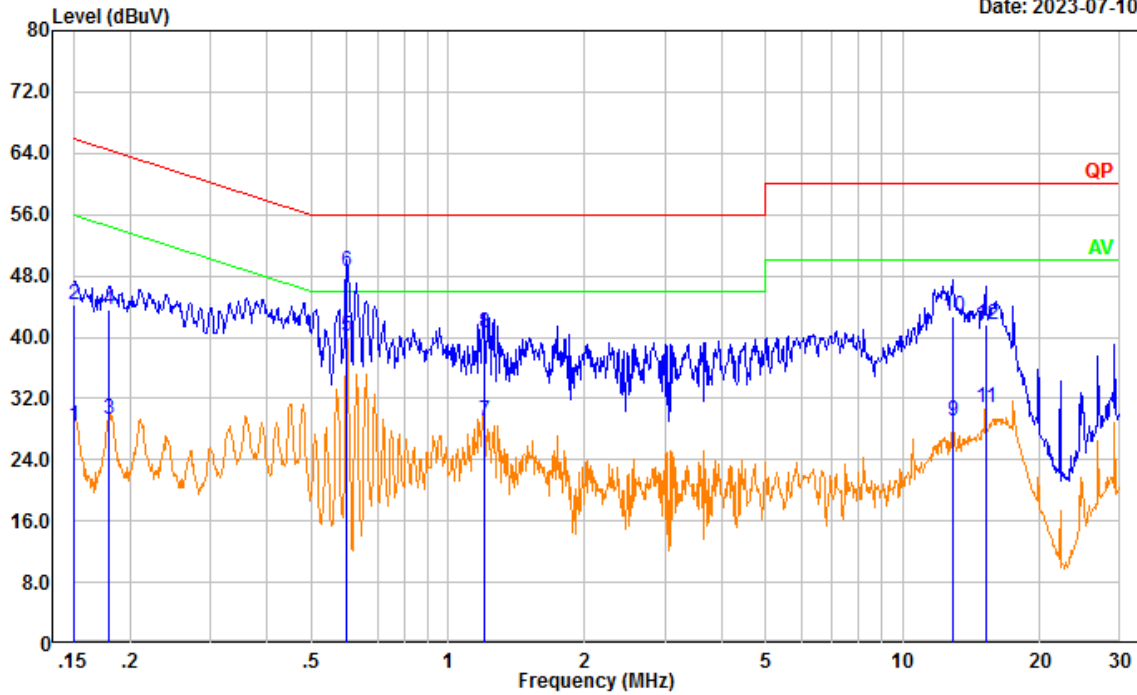


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	18.81	9.61	28.42	55.97	27.55	Average
2	0.151	35.03	9.61	44.64	65.97	21.33	QP
3	0.600	30.15	9.62	39.77	46.00	6.23	Average
4	0.600	39.15	9.62	48.77	56.00	7.23	QP
5	1.199	18.96	9.62	28.58	46.00	17.42	Average
6	1.199	31.85	9.62	41.47	56.00	14.53	QP
7	6.387	12.00	9.66	21.66	50.00	28.34	Average
8	6.387	27.51	9.66	37.17	60.00	22.83	QP
9	12.906	19.59	9.68	29.27	50.00	20.73	Average
10	12.906	33.00	9.68	42.68	60.00	17.32	QP
11	15.239	20.39	9.69	30.08	50.00	19.92	Average
12	15.239	31.84	9.69	41.53	60.00	18.47	QP

Test Mode: M2 (RX 155MHz)

Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:

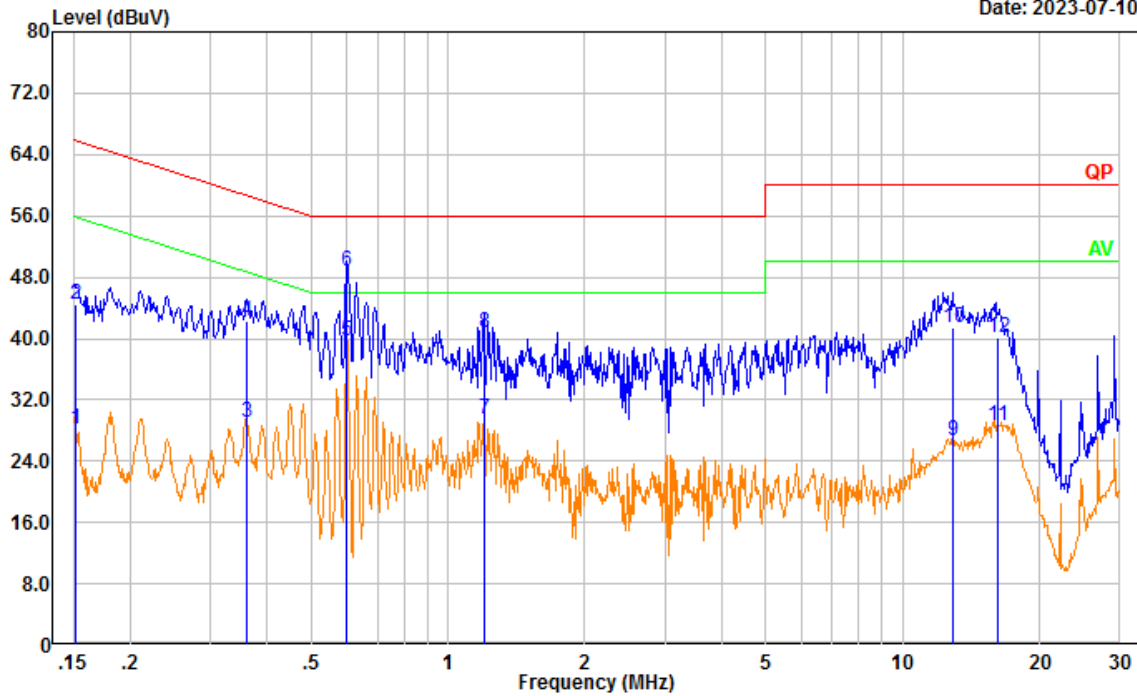
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.150	18.78	9.61	28.39	56.00	27.61	Average
2	0.150	34.69	9.61	44.30	66.00	21.70	QP
3	0.180	19.60	9.61	29.21	54.47	25.26	Average
4	0.180	33.96	9.61	43.57	64.47	20.90	QP
5	0.600	30.42	9.62	40.04	46.00	5.96	Average
6	0.600	39.02	9.62	48.64	56.00	7.36	QP
7	1.200	19.49	9.62	29.11	46.00	16.89	Average
8	1.200	30.85	9.62	40.47	56.00	15.53	QP
9	12.872	19.34	9.68	29.02	50.00	20.98	Average
10	12.872	33.13	9.68	42.81	60.00	17.19	QP
11	15.236	21.03	9.69	30.72	50.00	19.28	Average
12	15.236	32.01	9.69	41.70	60.00	18.30	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: neutral
 Note:

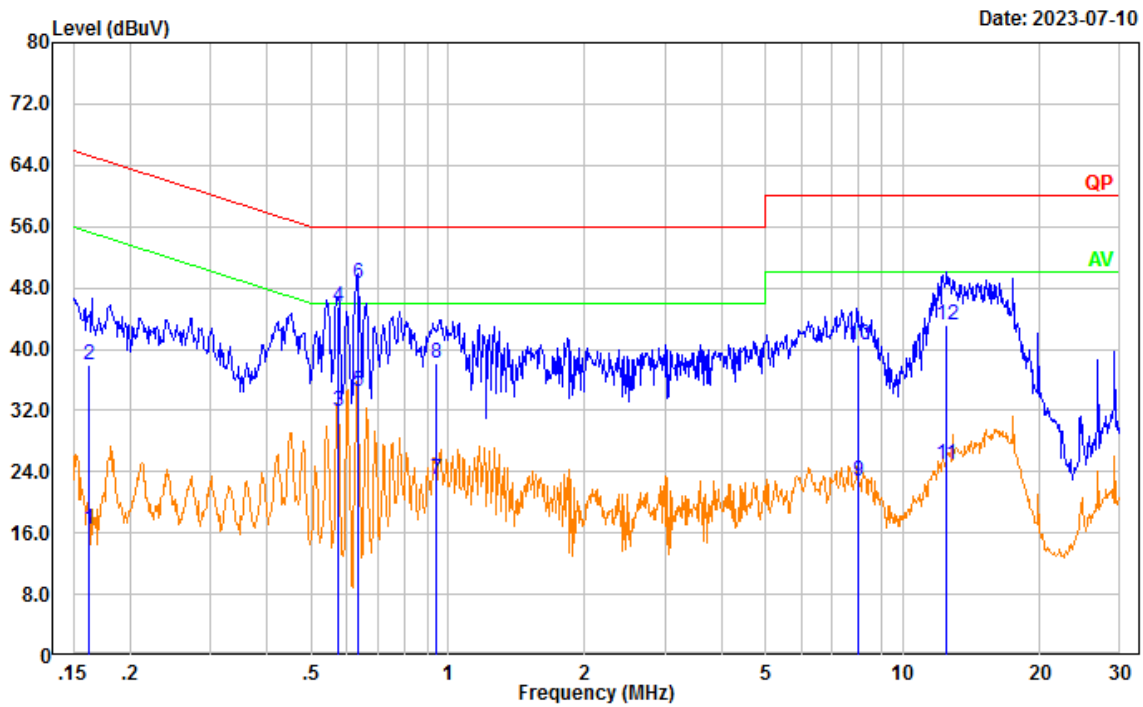
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	18.65	9.61	28.26	55.89	27.63	Average
2	0.152	34.74	9.61	44.35	65.89	21.54	QP
3	0.361	19.34	9.61	28.95	48.70	19.75	Average
4	0.361	32.68	9.61	42.29	58.70	16.41	QP
5	0.599	30.01	9.62	39.63	46.00	6.37	Average
6	0.599	39.15	9.62	48.77	56.00	7.23	QP
7	1.200	19.95	9.62	29.57	46.00	16.43	Average
8	1.200	31.03	9.62	40.65	56.00	15.35	QP
9	12.874	17.09	9.68	26.77	50.00	23.23	Average
10	12.874	31.66	9.68	41.34	60.00	18.66	QP
11	16.154	18.89	9.69	28.58	50.00	21.42	Average
12	16.154	30.40	9.69	40.09	60.00	19.91	QP

Test Mode: M2 (RX 173.9875MHz)

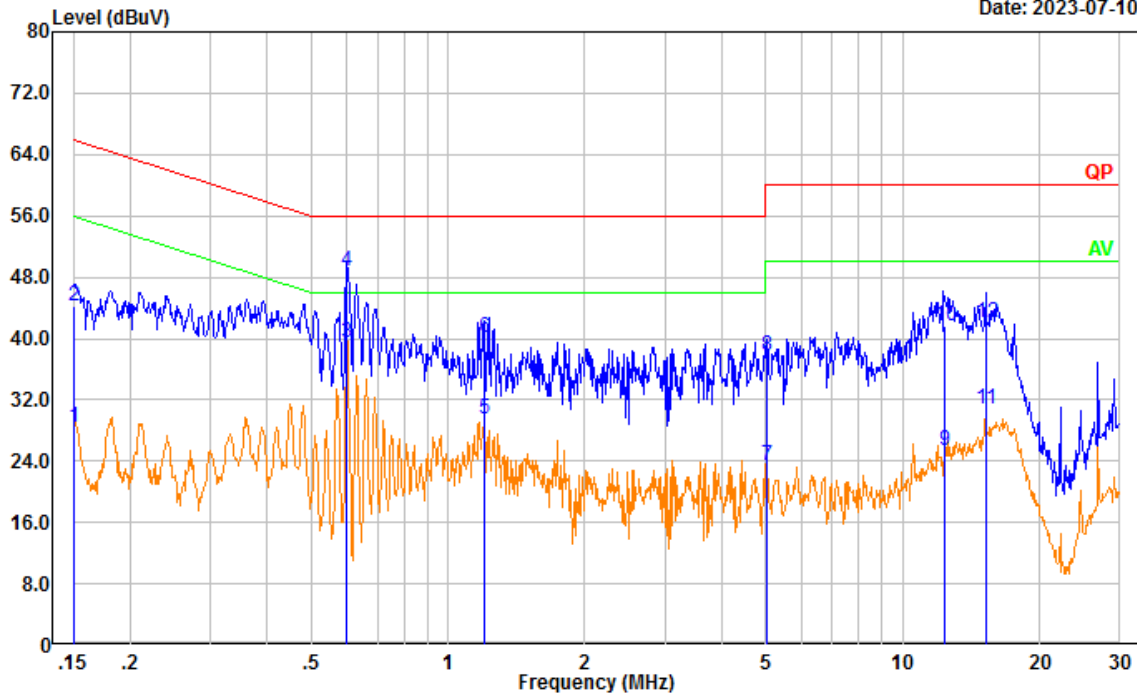
Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.162	6.77	9.61	16.38	55.36	38.98	Average
2	0.162	28.32	9.61	37.93	65.36	27.43	QP
3	0.574	22.35	9.62	31.97	46.00	14.03	Average
4	0.574	35.98	9.62	45.60	56.00	10.40	QP
5	0.635	24.96	9.62	34.58	46.00	11.42	Average
6	0.635	38.89	9.62	48.51	56.00	7.49	QP
7	0.944	13.34	9.62	22.96	46.00	23.04	Average
8	0.944	28.61	9.62	38.23	56.00	17.77	QP
9	7.985	13.06	9.67	22.73	50.00	27.27	Average
10	7.985	30.90	9.67	40.57	60.00	19.43	QP
11	12.478	15.30	9.67	24.97	50.00	25.03	Average
12	12.478	33.47	9.67	43.14	60.00	16.86	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: neutral
 Note:

Date: 2023-07-10

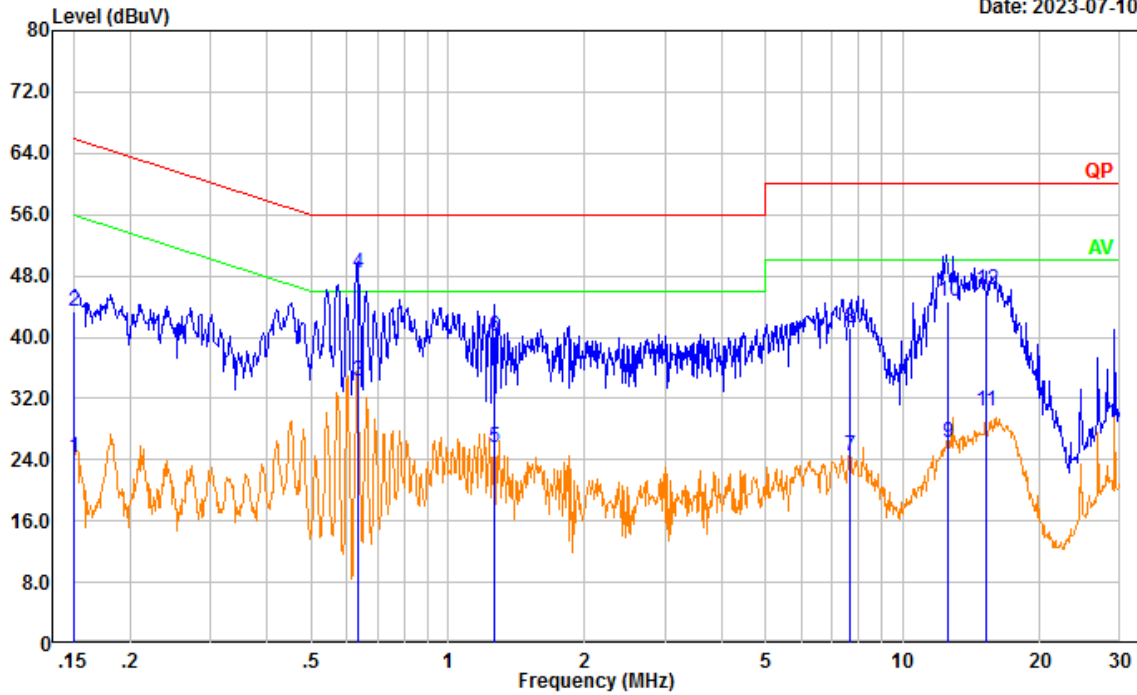


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.150	18.76	9.61	28.37	55.97	27.60	Average
2	0.150	34.58	9.61	44.19	65.97	21.78	QP
3	0.599	29.91	9.62	39.53	46.00	6.47	Average
4	0.599	39.17	9.62	48.79	56.00	7.21	QP
5	1.201	19.79	9.62	29.41	46.00	16.59	Average
6	1.201	30.49	9.62	40.11	56.00	15.89	QP
7	5.036	13.75	9.66	23.41	50.00	26.59	Average
8	5.036	28.02	9.66	37.68	60.00	22.32	QP
9	12.333	15.70	9.67	25.37	50.00	24.63	Average
10	12.333	31.94	9.67	41.61	60.00	18.39	QP
11	15.270	21.08	9.69	30.77	50.00	19.23	Average
12	15.270	32.31	9.69	42.00	60.00	18.00	QP

Test Mode: M2 (RX 400.0125MHz)

Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:

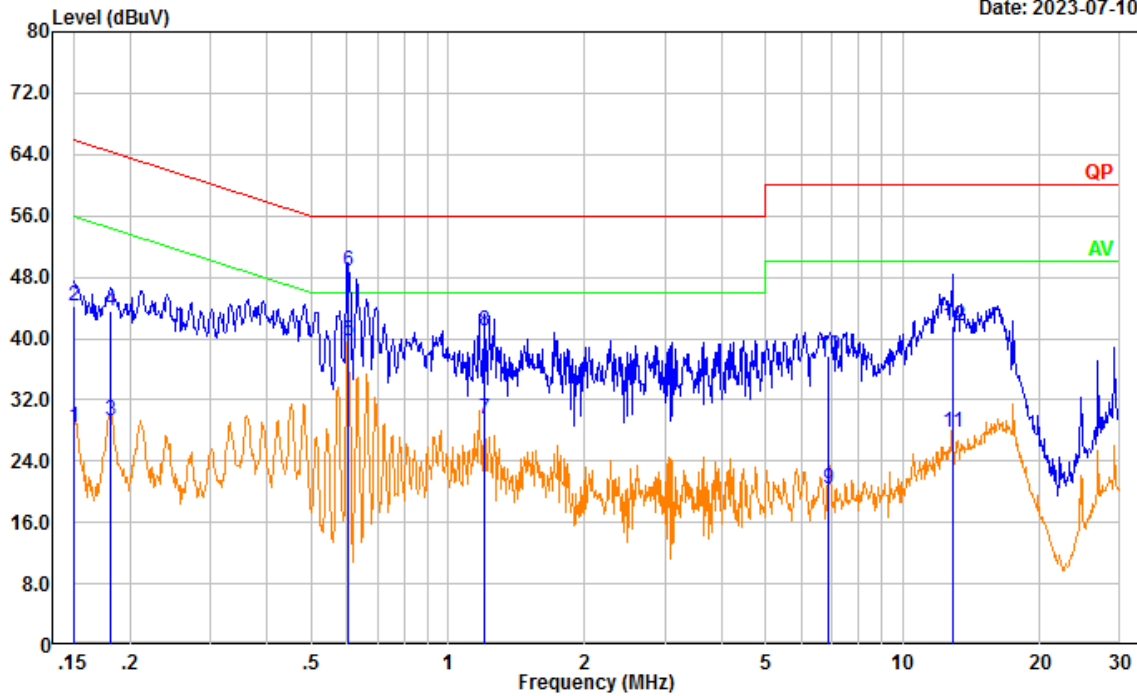
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	14.74	9.61	24.35	55.97	31.62	Average
2	0.151	33.71	9.61	43.32	65.97	22.65	QP
3	0.636	24.67	9.62	34.29	46.00	11.71	Average
4	0.636	38.78	9.62	48.40	56.00	7.60	QP
5	1.261	15.93	9.62	25.55	46.00	20.45	Average
6	1.261	30.49	9.62	40.11	56.00	15.89	QP
7	7.651	14.75	9.67	24.42	50.00	25.58	Average
8	7.651	31.43	9.67	41.10	60.00	18.90	QP
9	12.547	16.60	9.68	26.28	50.00	23.72	Average
10	12.547	35.05	9.68	44.73	60.00	15.27	QP
11	15.258	20.67	9.70	30.37	50.00	19.63	Average
12	15.258	36.54	9.70	46.24	60.00	13.76	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: Neutral
 Note:

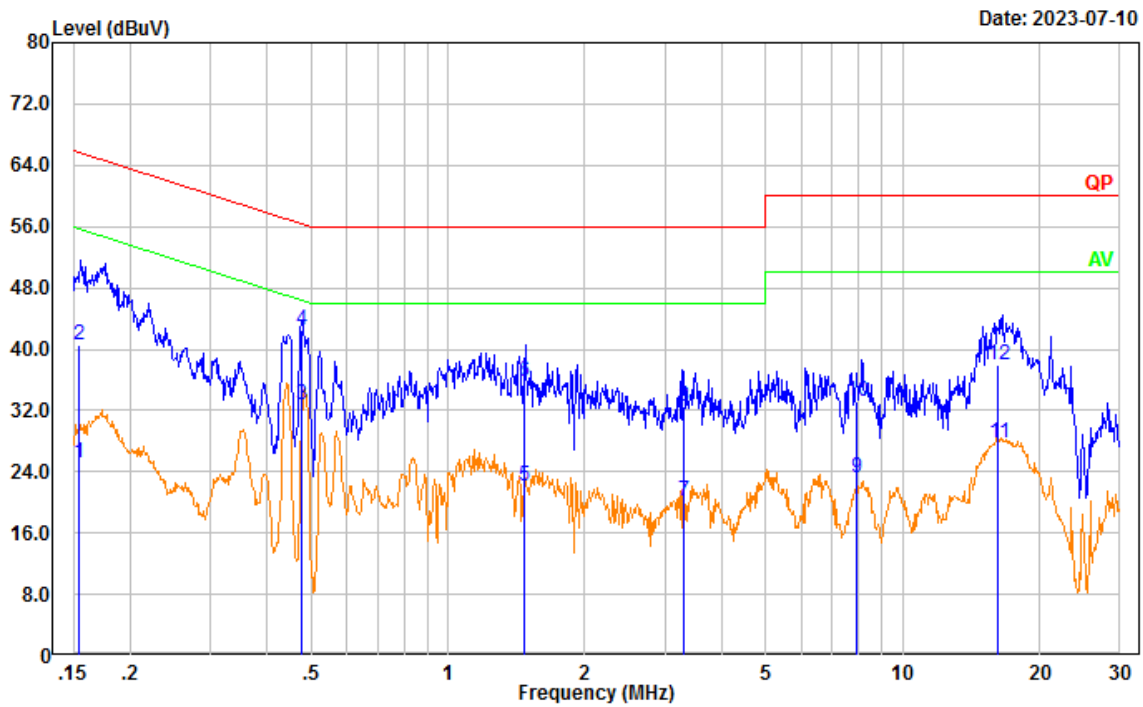
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	18.89	9.61	28.50	55.96	27.46	Average
2	0.151	34.71	9.61	44.32	65.96	21.64	QP
3	0.181	19.70	9.61	29.31	54.43	25.12	Average
4	0.181	34.00	9.61	43.61	64.43	20.82	QP
5	0.602	30.01	9.62	39.63	46.00	6.37	Average
6	0.602	39.22	9.62	48.84	56.00	7.16	QP
7	1.204	19.91	9.62	29.53	46.00	16.47	Average
8	1.204	31.25	9.62	40.87	56.00	15.13	QP
9	6.847	10.73	9.66	20.39	50.00	29.61	Average
10	6.847	28.16	9.66	37.82	60.00	22.18	QP
11	12.883	18.07	9.68	27.75	50.00	22.25	Average
12	12.883	31.98	9.68	41.66	60.00	18.34	QP

Test Mode: M2 (RX 460MHz)

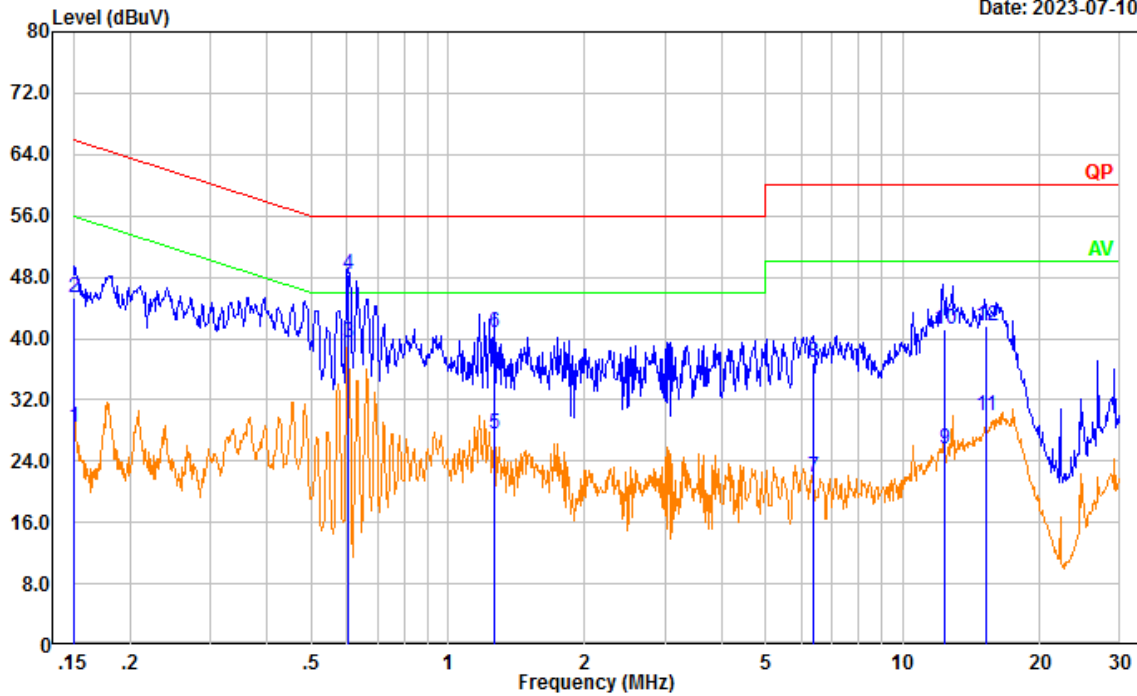
Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.154	15.60	9.61	25.21	55.76	30.55	Average
2	0.154	30.98	9.61	40.59	65.76	25.17	QP
3	0.478	23.04	9.61	32.65	46.37	13.72	Average
4	0.478	32.80	9.61	42.41	56.37	13.96	QP
5	1.476	12.40	9.62	22.02	46.00	23.98	Average
6	1.476	26.06	9.62	35.68	56.00	20.32	QP
7	3.300	10.56	9.65	20.21	46.00	25.79	Average
8	3.300	22.82	9.65	32.47	56.00	23.53	QP
9	7.938	13.46	9.67	23.13	50.00	26.87	Average
10	7.938	23.60	9.67	33.27	60.00	26.73	QP
11	16.229	18.01	9.71	27.72	50.00	22.28	Average
12	16.229	28.18	9.71	37.89	60.00	22.11	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: neutral
 Note:

Date: 2023-07-10

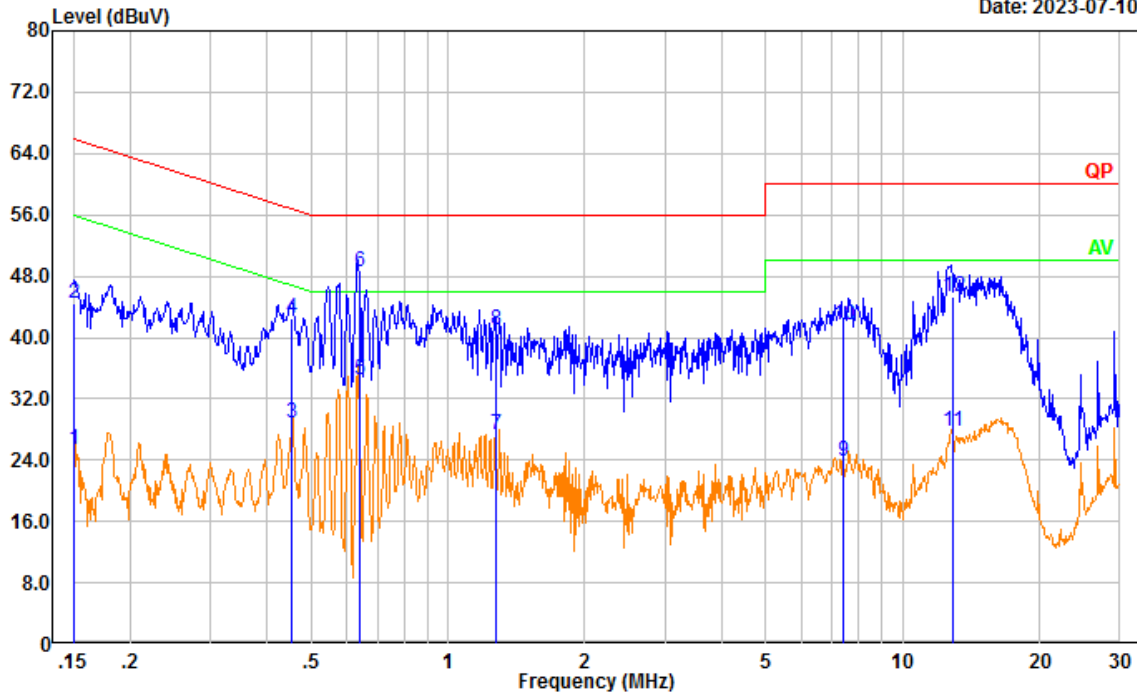


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.151	18.77	9.61	28.38	55.95	27.57	Average
2	0.151	35.66	9.61	45.27	65.95	20.68	QP
3	0.602	29.75	9.62	39.37	46.00	6.63	Average
4	0.602	38.64	9.62	48.26	56.00	7.74	QP
5	1.263	18.02	9.62	27.64	46.00	18.36	Average
6	1.263	31.06	9.62	40.68	56.00	15.32	QP
7	6.378	12.17	9.66	21.83	50.00	28.17	Average
8	6.378	27.24	9.66	36.90	60.00	23.10	QP
9	12.324	15.98	9.67	25.65	50.00	24.35	Average
10	12.324	31.48	9.67	41.15	60.00	18.85	QP
11	15.226	20.12	9.69	29.81	50.00	20.19	Average
12	15.226	31.85	9.69	41.54	60.00	18.46	QP

Test Mode: M2 (RX 519.9875MHz)

Project No.: CR230637671-RF
 Tester: David Huang
 Port: Line
 Note:

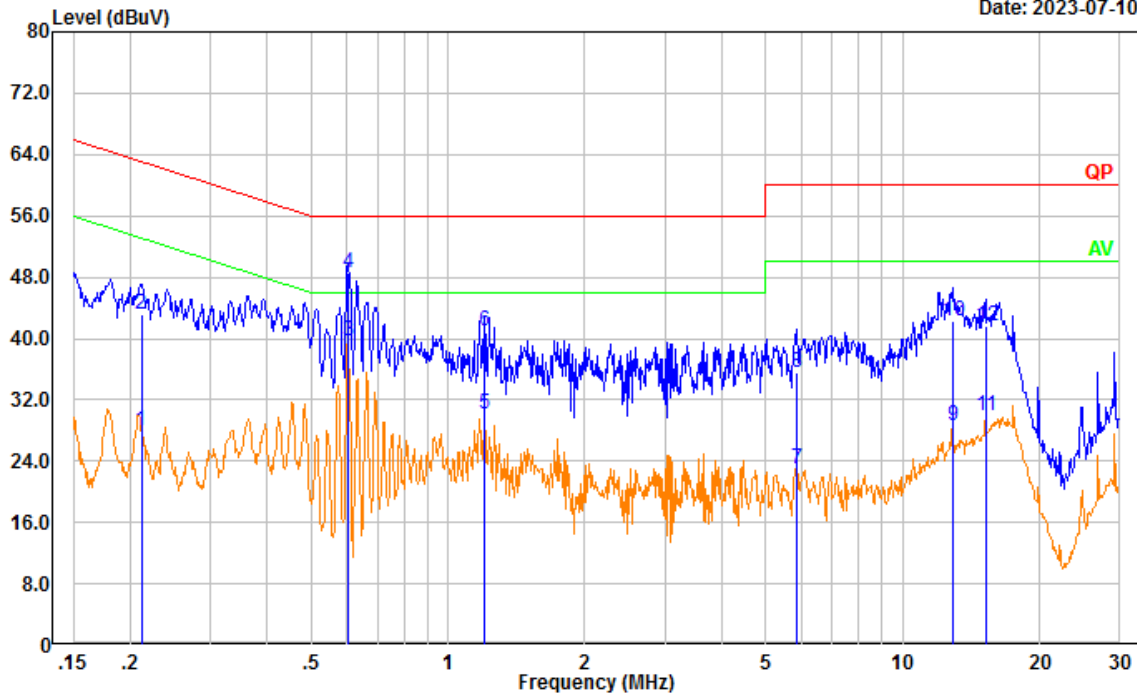
Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.150	15.66	9.61	25.27	55.98	30.71	Average
2	0.150	34.74	9.61	44.35	65.98	21.63	QP
3	0.453	19.20	9.61	28.81	46.83	18.02	Average
4	0.453	32.81	9.61	42.42	56.83	14.41	QP
5	0.637	24.78	9.62	34.40	46.00	11.60	Average
6	0.637	38.92	9.62	48.54	56.00	7.46	QP
7	1.273	17.73	9.62	27.35	46.00	18.65	Average
8	1.273	31.42	9.62	41.04	56.00	14.96	QP
9	7.402	14.29	9.66	23.95	50.00	26.05	Average
10	7.402	31.97	9.66	41.63	60.00	18.37	QP
11	12.893	18.13	9.68	27.81	50.00	22.19	Average
12	12.893	35.63	9.68	45.31	60.00	14.69	QP

Project No.: CR230637671-RF
 Tester: David Huang
 Port: neutral
 Note:

Date: 2023-07-10



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.212	18.33	9.61	27.94	53.14	25.20	Average
2	0.212	33.54	9.61	43.15	63.14	19.99	QP
3	0.602	29.96	9.62	39.58	46.00	6.42	Average
4	0.602	38.86	9.62	48.48	56.00	7.52	QP
5	1.205	20.53	9.62	30.15	46.00	15.85	Average
6	1.205	31.37	9.62	40.99	56.00	15.01	QP
7	5.870	13.37	9.66	23.03	50.00	26.97	Average
8	5.870	25.96	9.66	35.62	60.00	24.38	QP
9	12.893	18.87	9.68	28.55	50.00	21.45	Average
10	12.893	32.56	9.68	42.24	60.00	17.76	QP
11	15.264	20.17	9.69	29.86	50.00	20.14	Average
12	15.264	31.94	9.69	41.63	60.00	18.37	QP

4.2 Radiation Spurious Emissions

Serial Number:	27OX-1	Test Date:	Below 1GHz: 2023/09/20~2023/09/21 Above 1GHz:2023/07/18
Test Site:	966-1/966-2	Test Mode:	M1-M2
Tester:	Carl Xue, Tao Zhu	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	27.0-29	Relative Humidity: (%)	59-70	ATM Pressure: (kPa)	99.1-100.6

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Below 1GHz					
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600- UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
Audix	Test Software	E3	201021 (V9)	N/A	N/A
Above 1GHz					
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2023/03/31	2024/03/30
MICRO-COAX	Coaxial Cable	UFA210A-1- 1200-70U300	217423-008	2022/08/05	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1- 2362-300300	235780-001	2022/08/05	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
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2022/08/05	2023/08/06
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/08/05	2023/08/06

* 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).

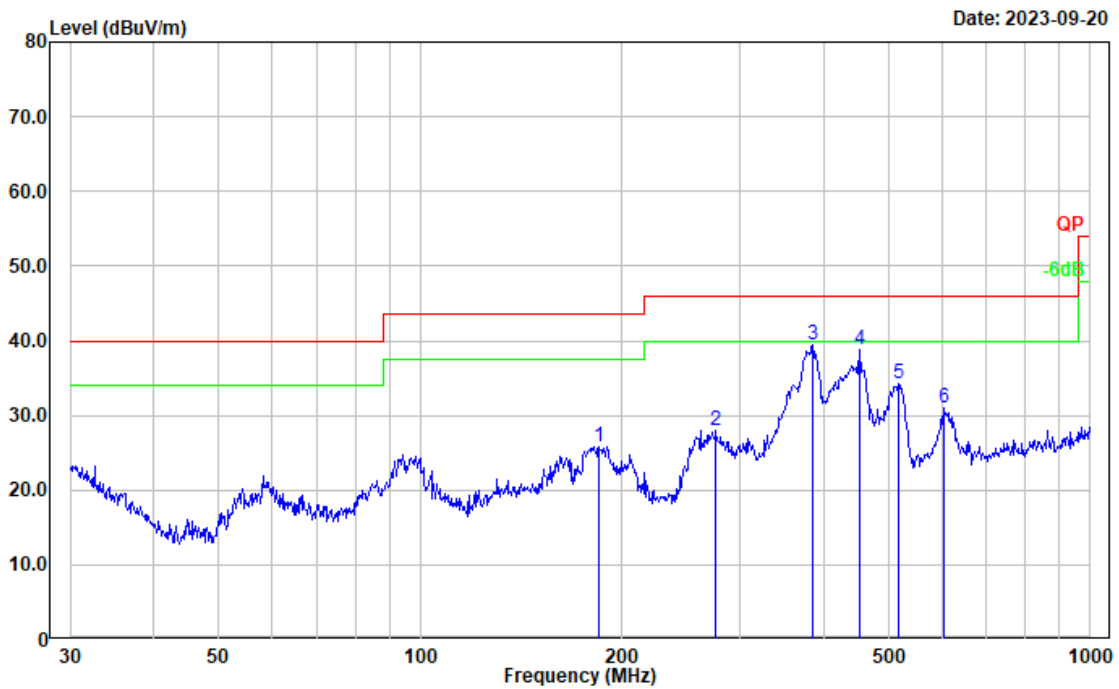
Test Data:

1) 30MHz-1GHz:

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

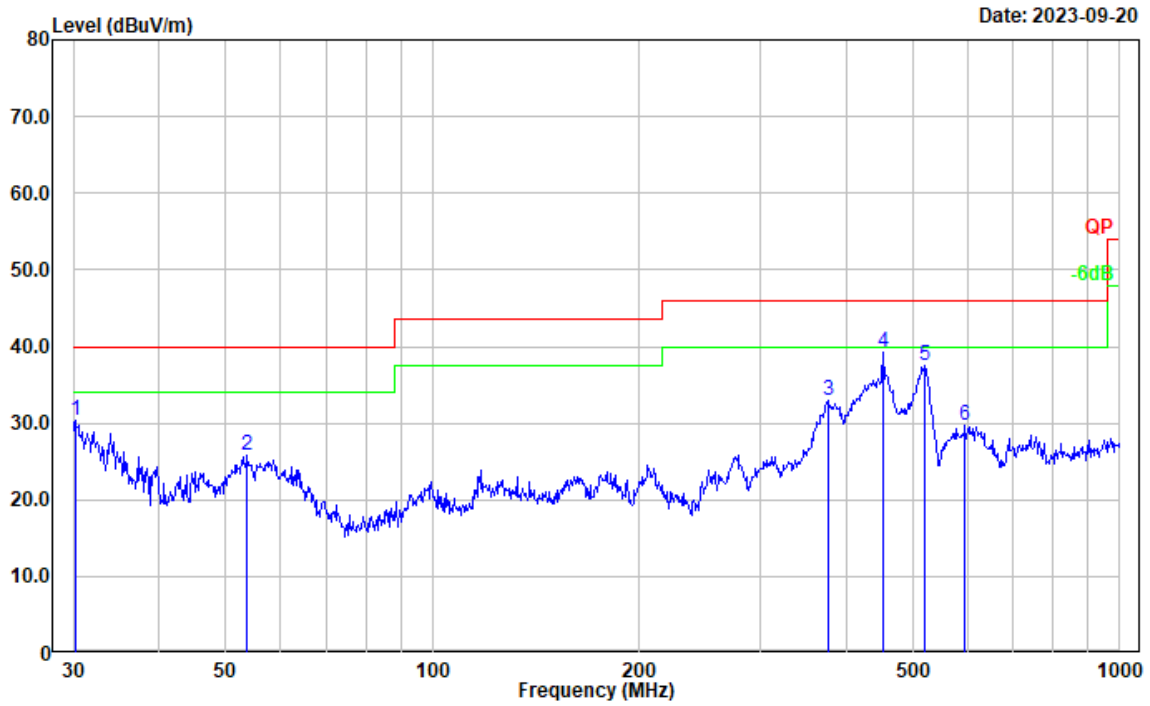
Test Mode: MI

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	184.490	39.36	-13.58	25.78	43.50	17.72	Peak
2	276.124	39.91	-11.84	28.07	46.00	17.93	Peak
3	385.281	48.51	-9.00	39.51	46.00	6.49	Peak
4	452.720	45.72	-6.85	38.87	46.00	7.13	Peak
5	517.248	40.09	-5.83	34.26	46.00	11.74	Peak
6	603.539	35.82	-4.91	30.91	46.00	15.09	Peak

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:

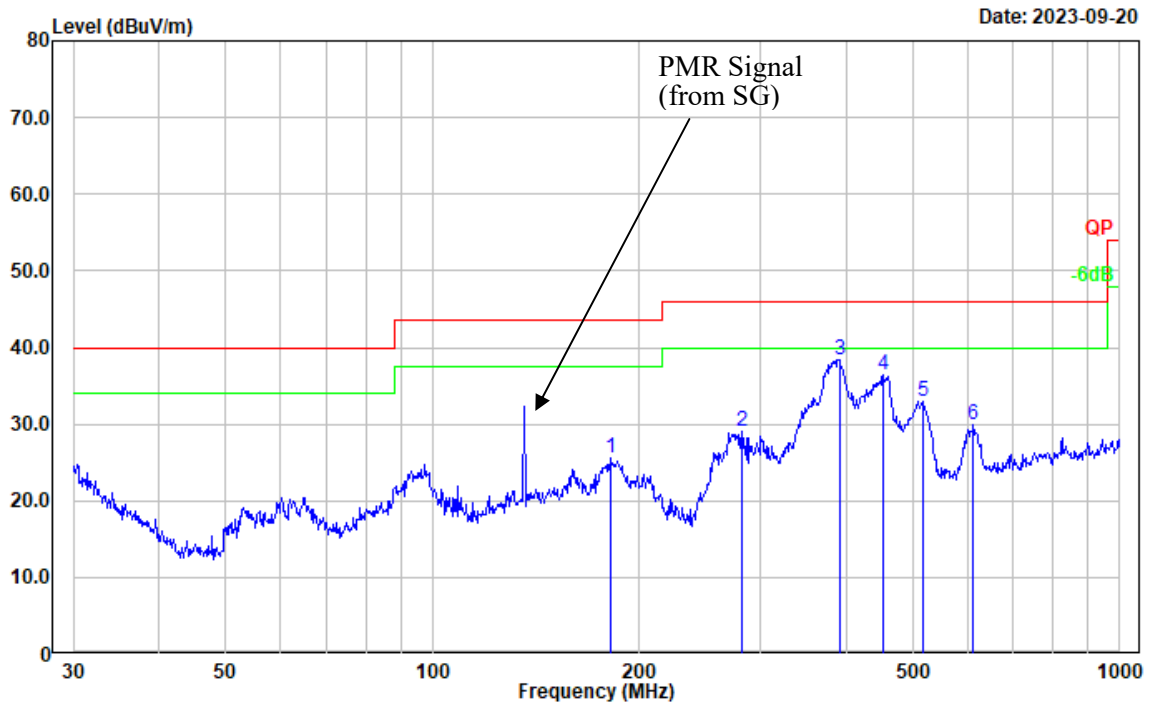


Date: 2023-09-20

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.211	34.19	-3.76	30.43	40.00	9.57	Peak
2	53.693	43.09	-17.25	25.84	40.00	14.16	Peak
3	375.939	42.15	-9.29	32.86	46.00	13.14	Peak
4	452.720	46.10	-6.85	39.25	46.00	6.75	Peak
5	519.065	43.35	-5.84	37.51	46.00	8.49	Peak
6	595.133	34.79	-5.15	29.64	46.00	16.36	Peak

Test Mode: M2 (RX 136.0125MHz)

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 Note:

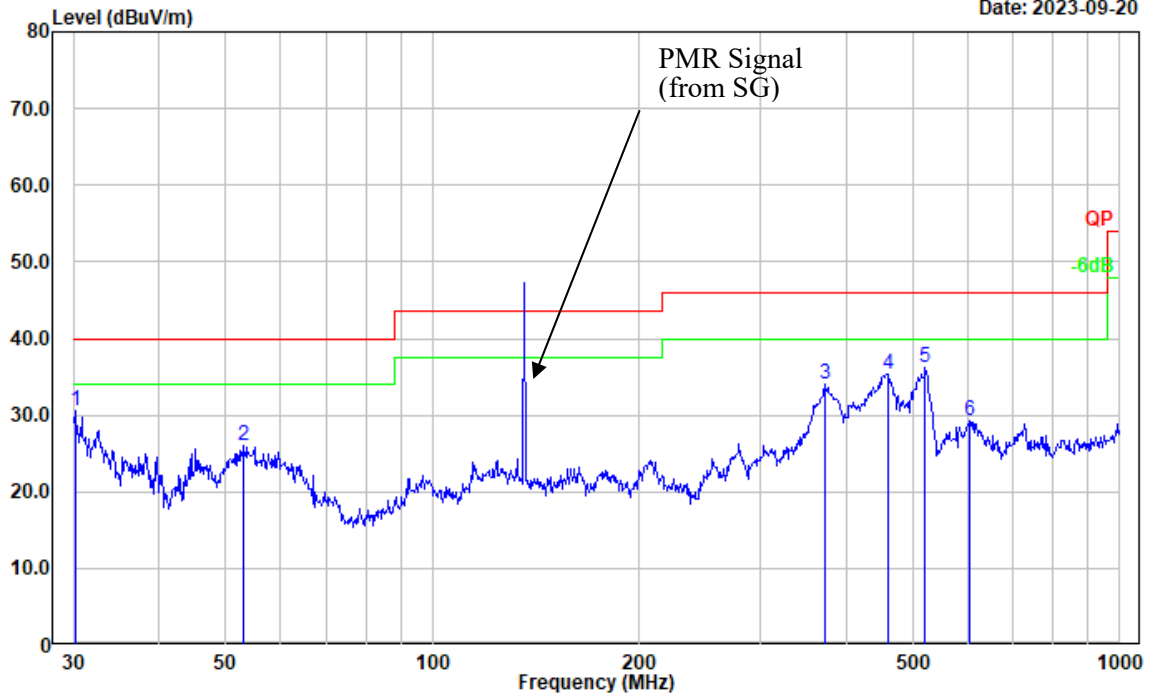


Date: 2023-09-20

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	181.283	39.19	-13.66	25.53	43.50	17.97	Peak
2	281.995	40.57	-11.53	29.04	46.00	16.96	Peak
3	390.723	47.36	-8.88	38.48	46.00	7.52	Peak
4	452.720	43.38	-6.85	36.53	46.00	9.47	Peak
5	517.248	38.77	-5.83	32.94	46.00	13.06	Peak
6	612.064	34.71	-4.75	29.96	46.00	16.04	Peak

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:

Date: 2023-09-20

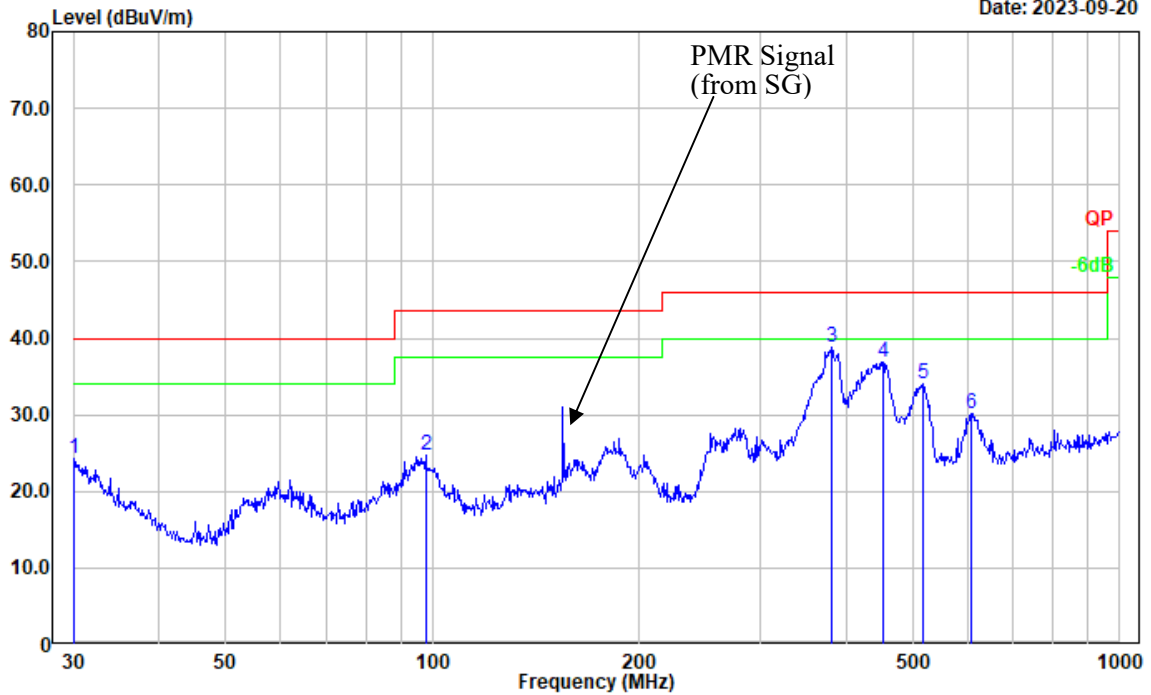


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.211	34.25	-3.76	30.49	40.00	9.51	Peak
2	53.131	43.29	-17.23	26.06	40.00	13.94	Peak
3	372.005	43.51	-9.45	34.06	46.00	11.94	Peak
4	460.727	42.06	-6.66	35.40	46.00	10.60	Peak
5	520.888	41.96	-5.85	36.11	46.00	9.89	Peak
6	603.539	34.20	-4.91	29.29	46.00	16.71	Peak

Test Mode: M2 (RX 155MHz)

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 Note:

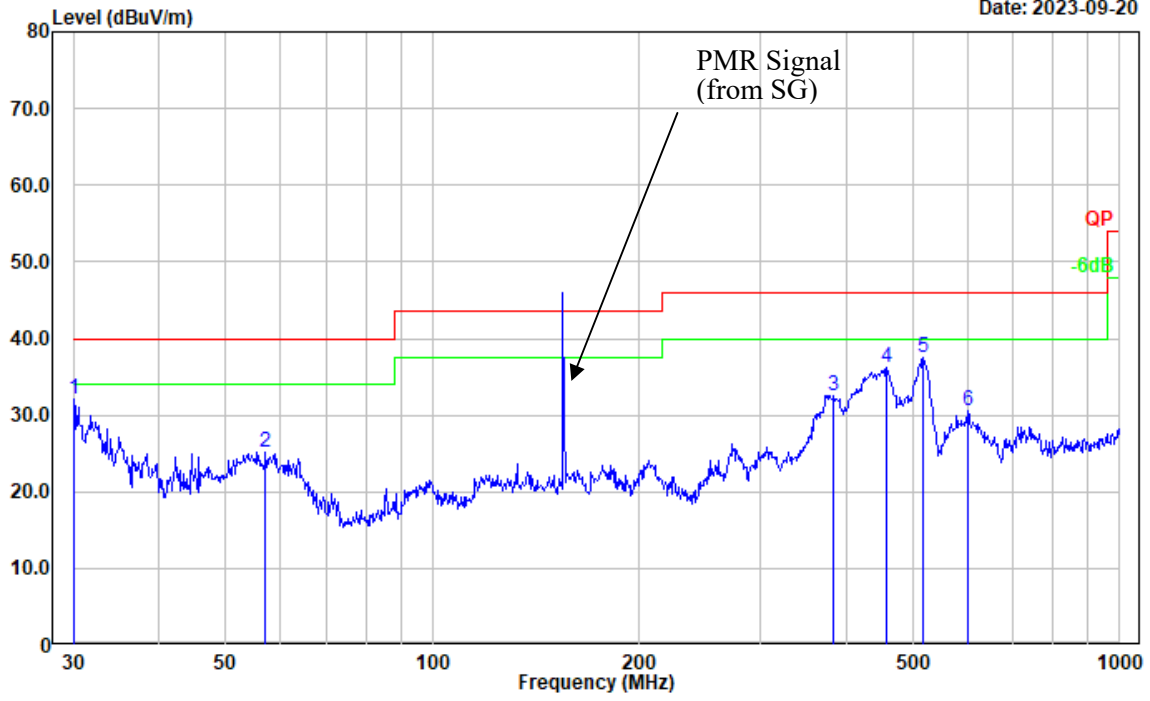
Date: 2023-09-20



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.81	-3.60	24.21	40.00	15.79	Peak
2	97.798	39.54	-14.85	24.69	43.50	18.81	Peak
3	381.249	47.83	-9.07	38.76	46.00	7.24	Peak
4	452.720	43.81	-6.85	36.96	46.00	9.04	Peak
5	517.248	39.94	-5.83	34.11	46.00	11.89	Peak
6	607.787	35.05	-4.82	30.23	46.00	15.77	Peak

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:

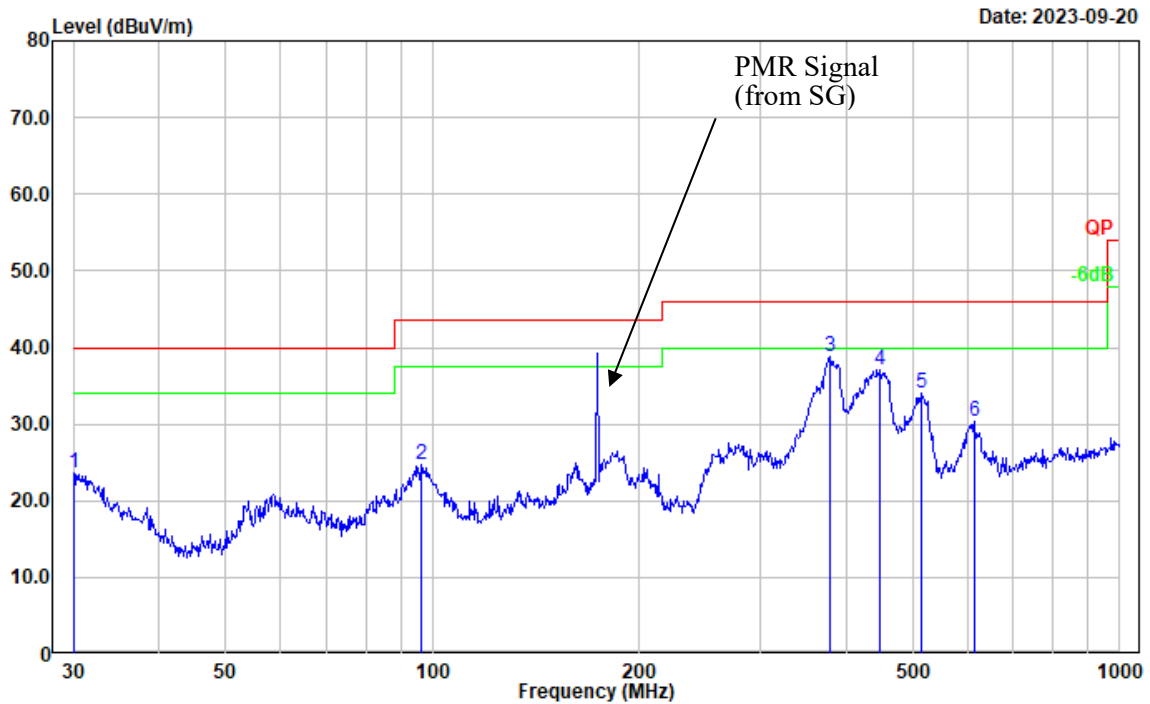
Date: 2023-09-20



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	35.65	-3.60	32.05	40.00	7.95	Peak
2	57.191	42.53	-17.33	25.20	40.00	14.80	Peak
3	383.932	41.65	-9.03	32.62	46.00	13.38	Peak
4	457.507	42.83	-6.73	36.10	46.00	9.90	Peak
5	517.248	43.28	-5.83	37.45	46.00	8.55	Peak
6	601.427	35.68	-5.03	30.65	46.00	15.35	Peak

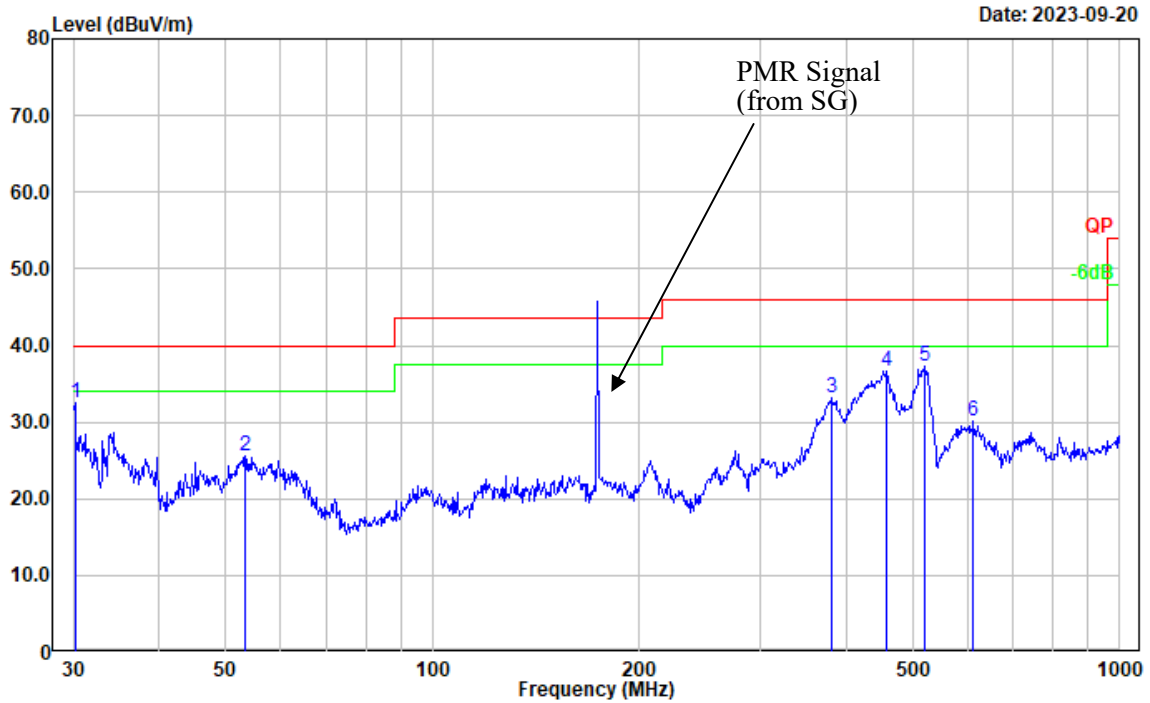
Test Mode: M2 (RX 173.9875 MHz)

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.26	-3.60	23.66	40.00	16.34	Peak
2	96.099	39.97	-15.31	24.66	43.50	18.84	Peak
3	378.584	48.02	-9.17	38.85	46.00	7.15	Peak
4	446.414	44.19	-7.08	37.11	46.00	8.89	Peak
5	515.437	39.87	-5.83	34.04	46.00	11.96	Peak
6	614.214	34.98	-4.69	30.29	46.00	15.71	Peak

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:

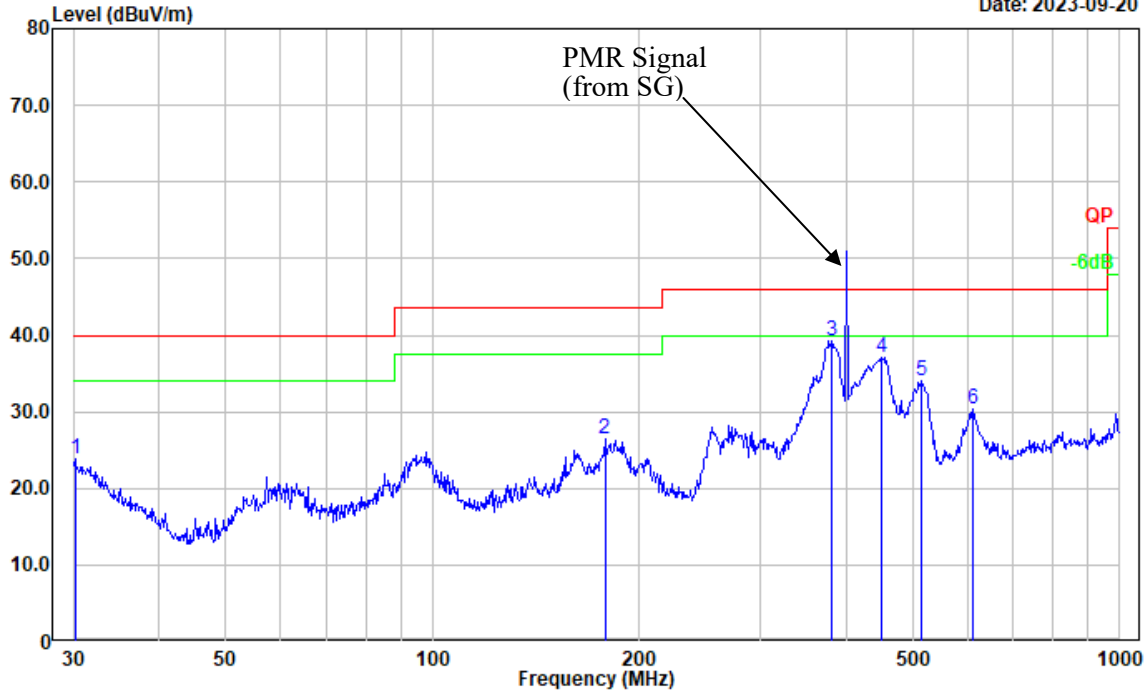


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.211	36.36	-3.76	32.60	40.00	7.40	Peak
2	53.318	42.82	-17.24	25.58	40.00	14.42	Peak
3	381.249	42.22	-9.07	33.15	46.00	12.85	Peak
4	457.507	43.39	-6.73	36.66	46.00	9.34	Peak
5	520.888	43.04	-5.85	37.19	46.00	8.81	Peak
6	612.064	34.78	-4.75	30.03	46.00	15.97	Peak

Test Mode: M2 (RX 400.0125MHz)

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 Note:

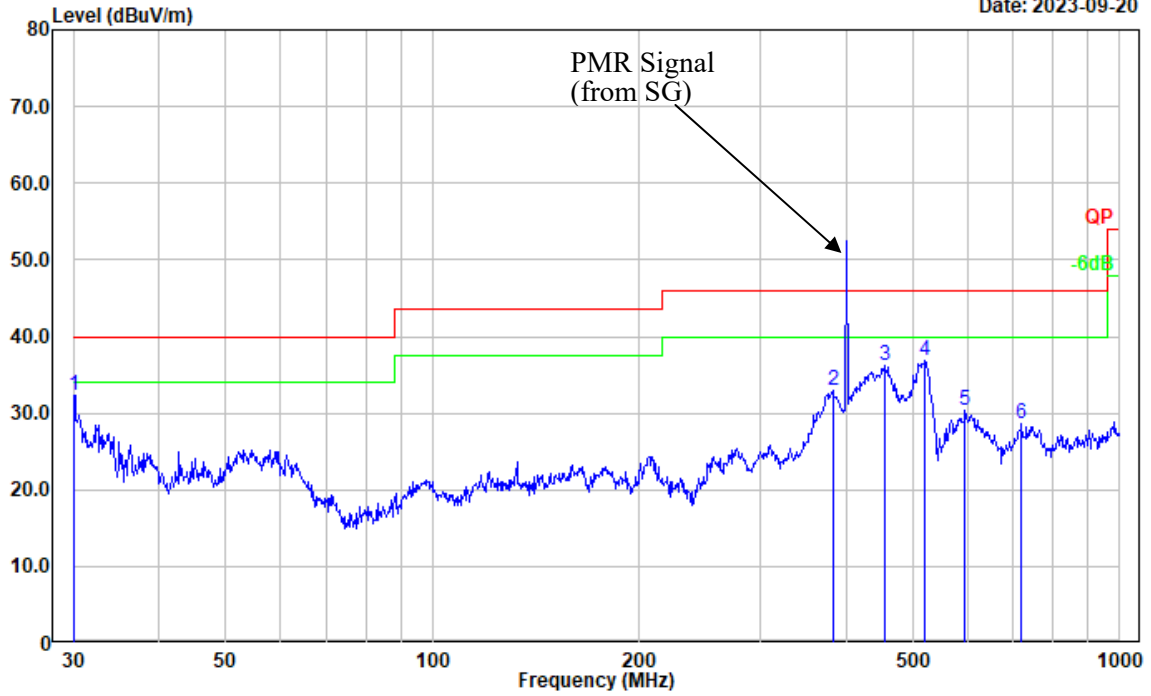
Date: 2023-09-20



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.211	27.58	-3.76	23.82	40.00	16.18	Peak
2	178.133	39.84	-13.50	26.34	43.50	17.16	Peak
3	379.914	48.31	-9.10	39.21	46.00	6.79	Peak
4	449.556	43.98	-6.97	37.01	46.00	8.99	Peak
5	513.633	39.91	-5.82	34.09	46.00	11.91	Peak
6	612.064	35.03	-4.75	30.28	46.00	15.72	Peak

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:

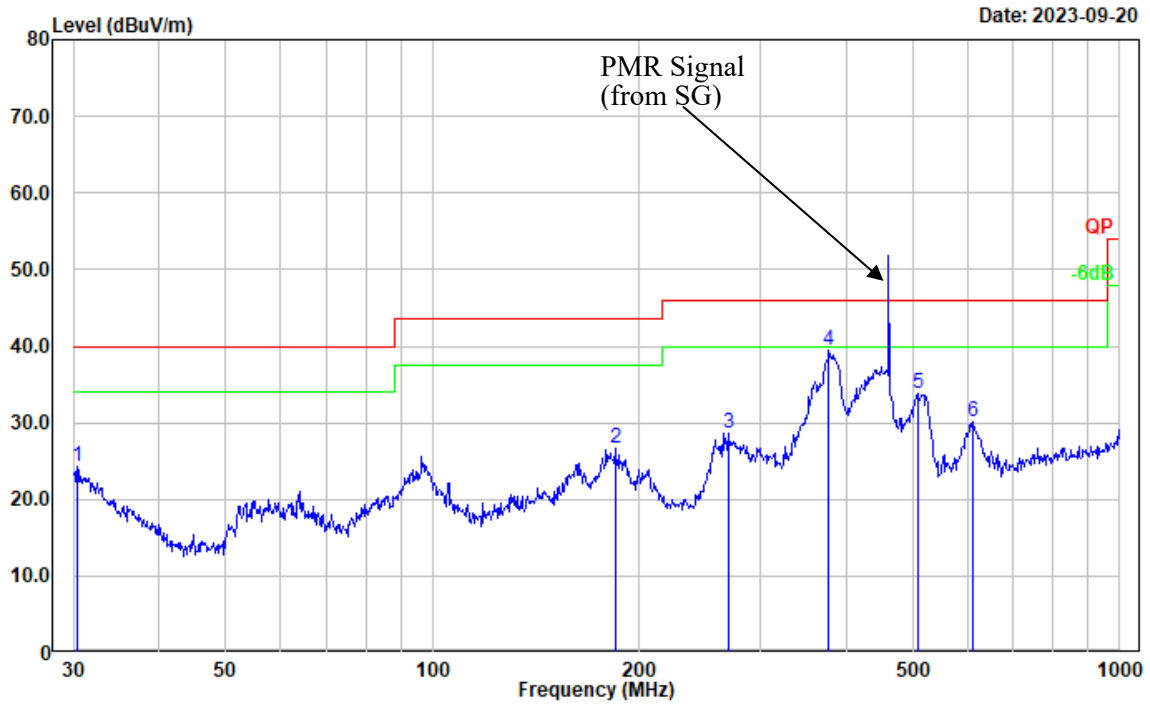
Date: 2023-09-20



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	36.03	-3.68	32.35	40.00	7.65	Peak
2	382.588	41.97	-9.05	32.92	46.00	13.08	Peak
3	454.310	42.98	-6.80	36.18	46.00	9.82	Peak
4	520.888	42.61	-5.85	36.76	46.00	9.24	Peak
5	595.133	35.45	-5.15	30.30	46.00	15.70	Peak
6	719.200	31.93	-3.30	28.63	46.00	17.37	Peak

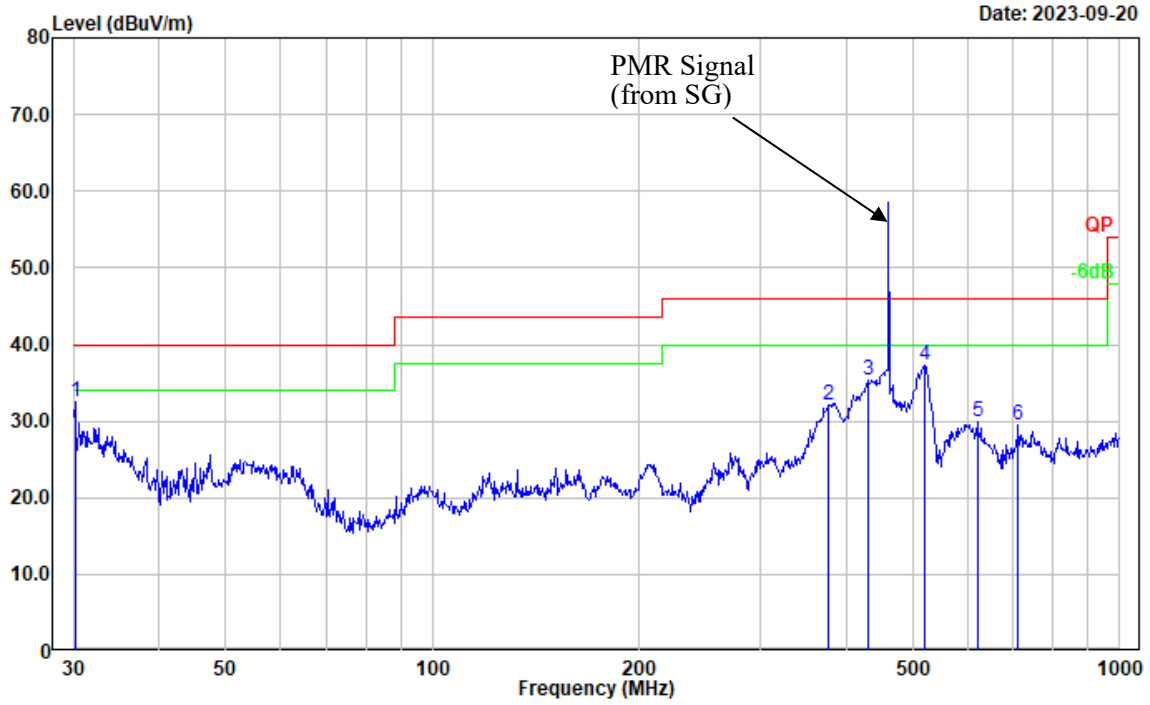
Test Mode: M2 (RX 460MHz)

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 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	30.424	28.13	-3.93	24.20	40.00	15.80	Peak
2	184.490	40.32	-13.58	26.74	43.50	16.76	Peak
3	269.428	40.79	-12.12	28.67	46.00	17.33	Peak
4	377.259	48.70	-9.22	39.48	46.00	6.52	Peak
5	508.258	39.71	-5.85	33.86	46.00	12.14	Peak
6	612.064	34.86	-4.75	30.11	46.00	15.89	Peak

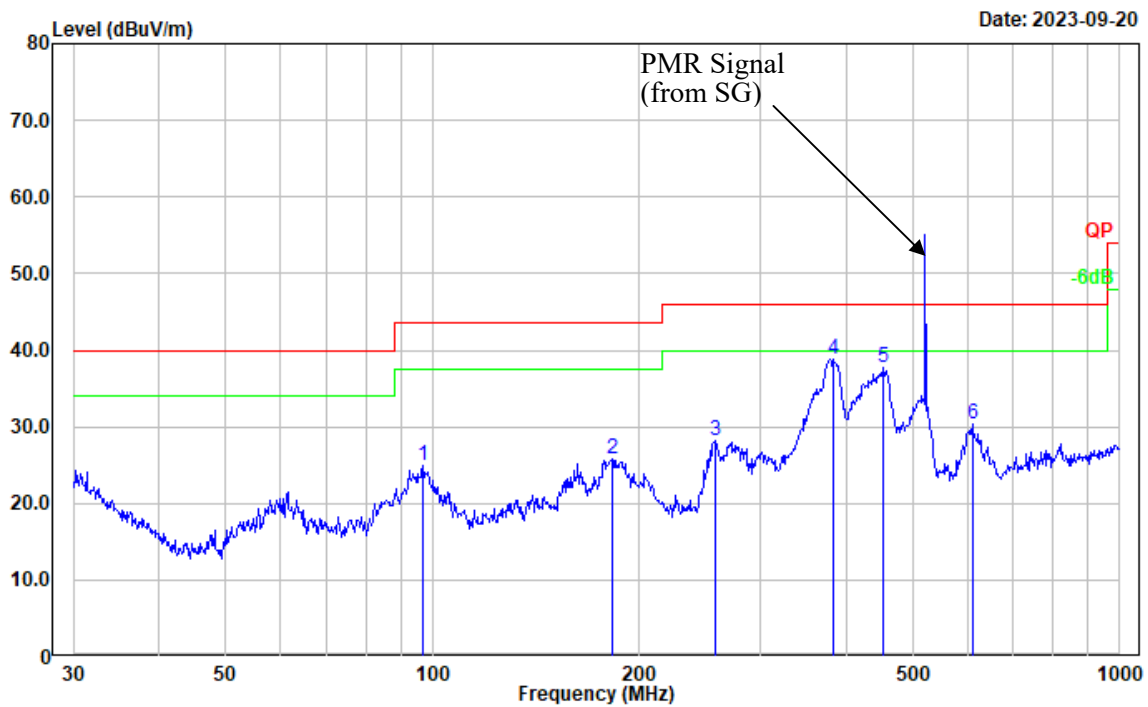
Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.211	36.37	-3.76	32.61	40.00	7.39	Peak
2	375.939	41.35	-9.29	32.06	46.00	13.94	Peak
3	429.523	42.86	-7.51	35.35	46.00	10.65	Peak
4	519.065	43.22	-5.84	37.38	46.00	8.62	Peak
5	620.710	34.67	-4.72	29.95	46.00	16.05	Peak
6	711.674	32.90	-3.44	29.46	46.00	16.54	Peak

Test Mode: M2 (RX 519.9875MHz)

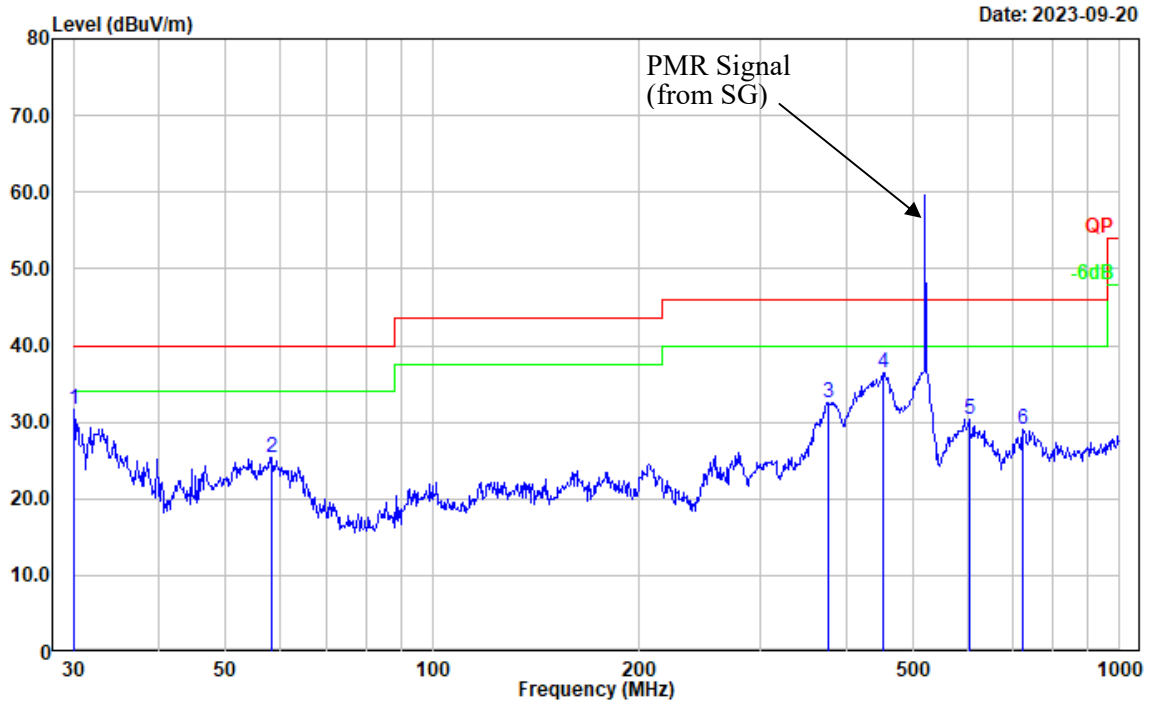
Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: horizontal
 Note:



Date: 2023-09-20

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	96.775	39.99	-15.13	24.86	43.50	18.64	Peak
2	182.559	39.46	-13.60	25.86	43.50	17.64	Peak
3	257.422	40.84	-12.64	28.20	46.00	17.80	Peak
4	383.932	47.92	-9.03	38.89	46.00	7.11	Peak
5	452.720	44.50	-6.85	37.65	46.00	8.35	Peak
6	609.922	35.11	-4.80	30.31	46.00	15.69	Peak

Project No.: CR230637671-RF
 Tester: Carl Xue
 Polarization: vertical
 Note:



Date: 2023-09-20

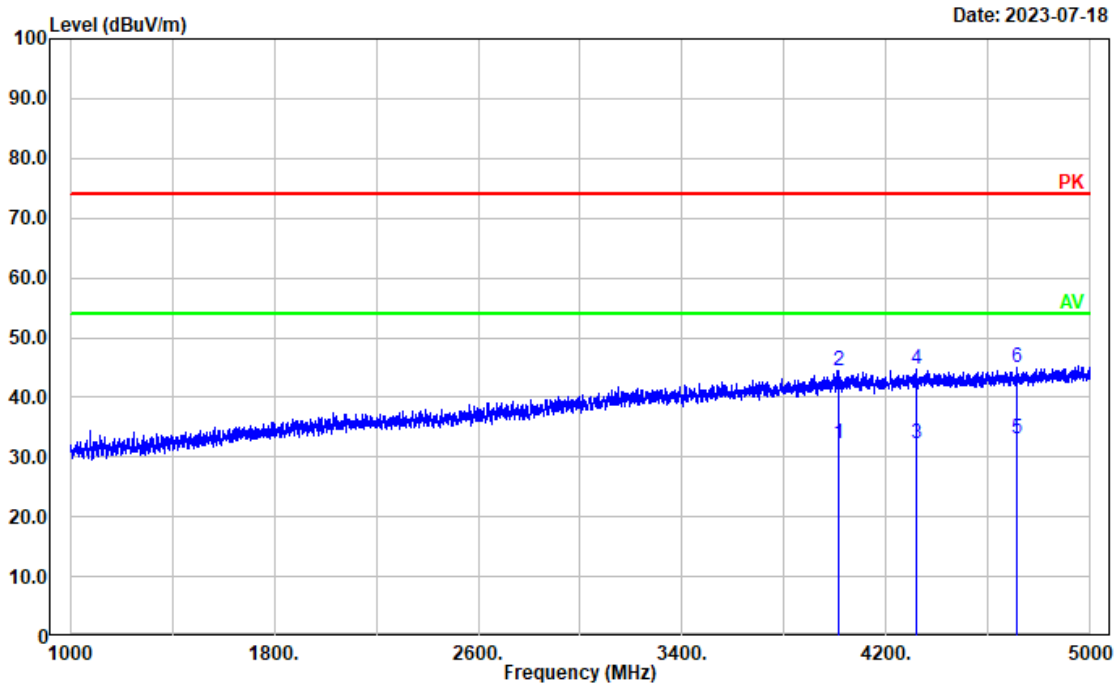
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	35.19	-3.60	31.59	40.00	8.41	Peak
2	58.407	42.71	-17.38	25.33	40.00	14.67	Peak
3	377.259	41.81	-9.22	32.59	46.00	13.41	Peak
4	452.720	43.32	-6.85	36.47	46.00	9.53	Peak
5	603.539	35.32	-4.91	30.41	46.00	15.59	Peak
6	724.261	32.14	-3.10	29.04	46.00	16.96	Peak

2) Above 1GHz

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

Test Mode: MI

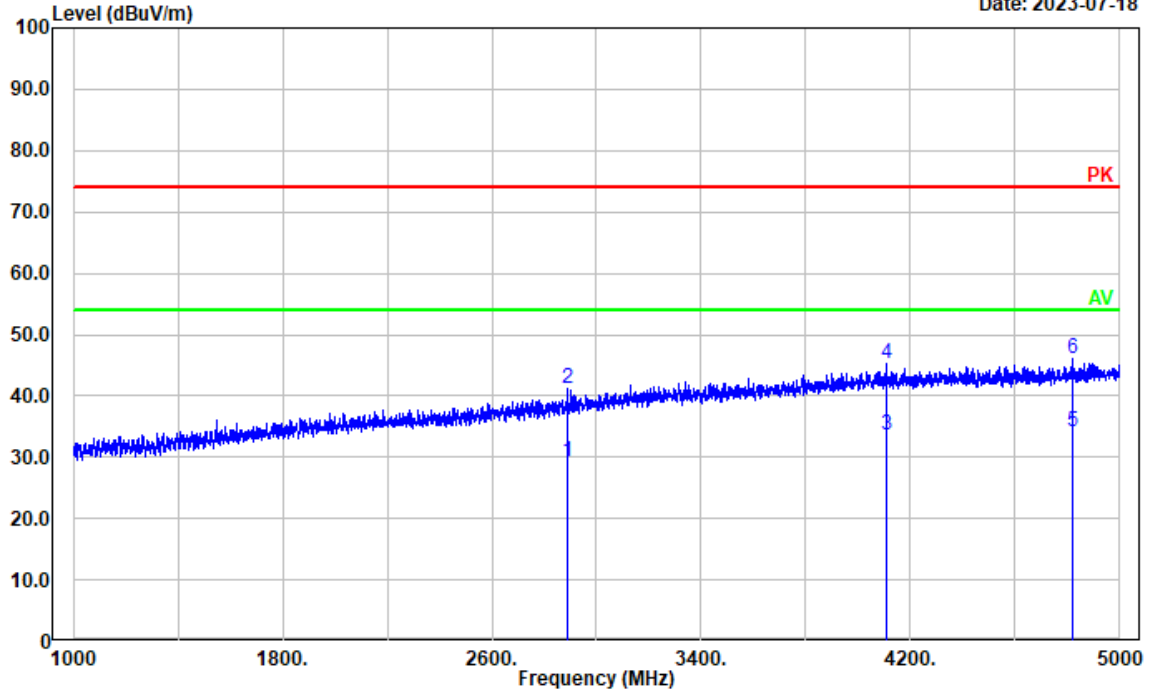
Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4014.203	22.92	9.36	32.28	54.00	21.72	Average
2	4014.203	35.05	9.36	44.41	74.00	29.59	Peak
3	4315.863	22.64	9.70	32.34	54.00	21.66	Average
4	4315.863	35.01	9.70	44.71	74.00	29.29	Peak
5	4712.743	22.54	10.56	33.10	54.00	20.90	Average
6	4712.743	34.46	10.56	45.02	74.00	28.98	Peak

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note:

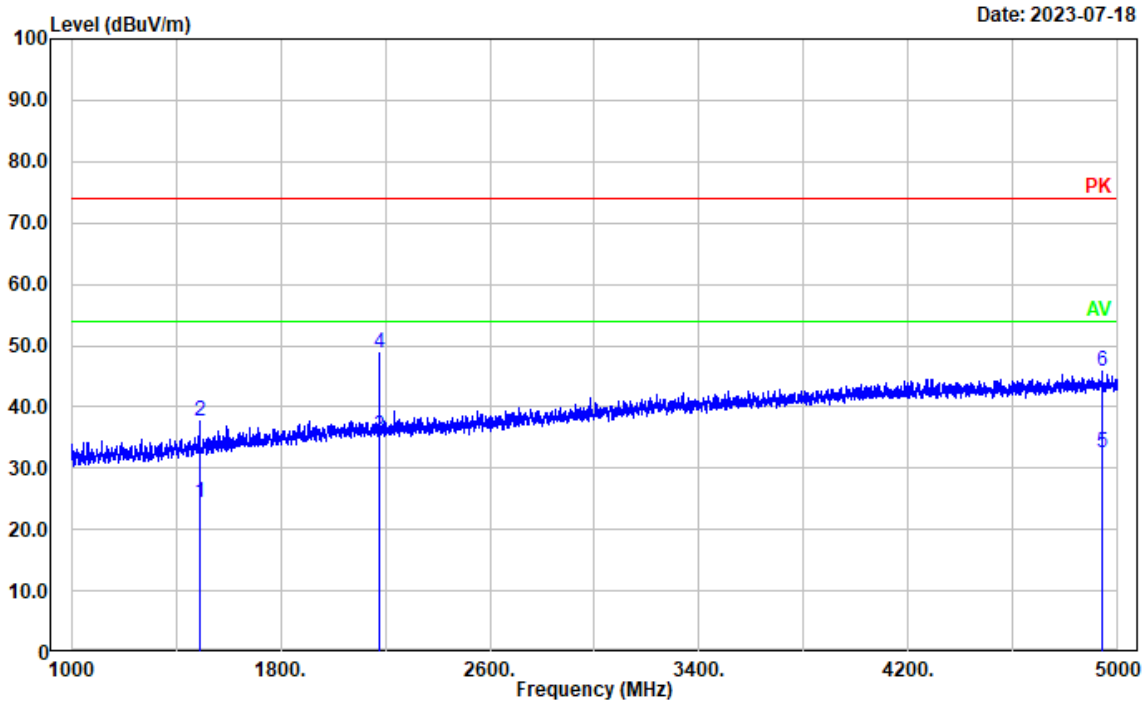
Date: 2023-07-18



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2888.378	23.64	5.56	29.20	54.00	24.80	Average
2	2888.378	35.59	5.56	41.15	74.00	32.85	Peak
3	4110.222	24.01	9.55	33.56	54.00	20.44	Average
4	4110.222	35.64	9.55	45.19	74.00	28.81	Peak
5	4816.763	23.17	10.93	34.10	54.00	19.90	Average
6	4816.763	35.24	10.93	46.17	74.00	27.83	Peak

Test Mode: M2 (RX 136.0125MHz)

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note: Charging&Receiving(136.0125)

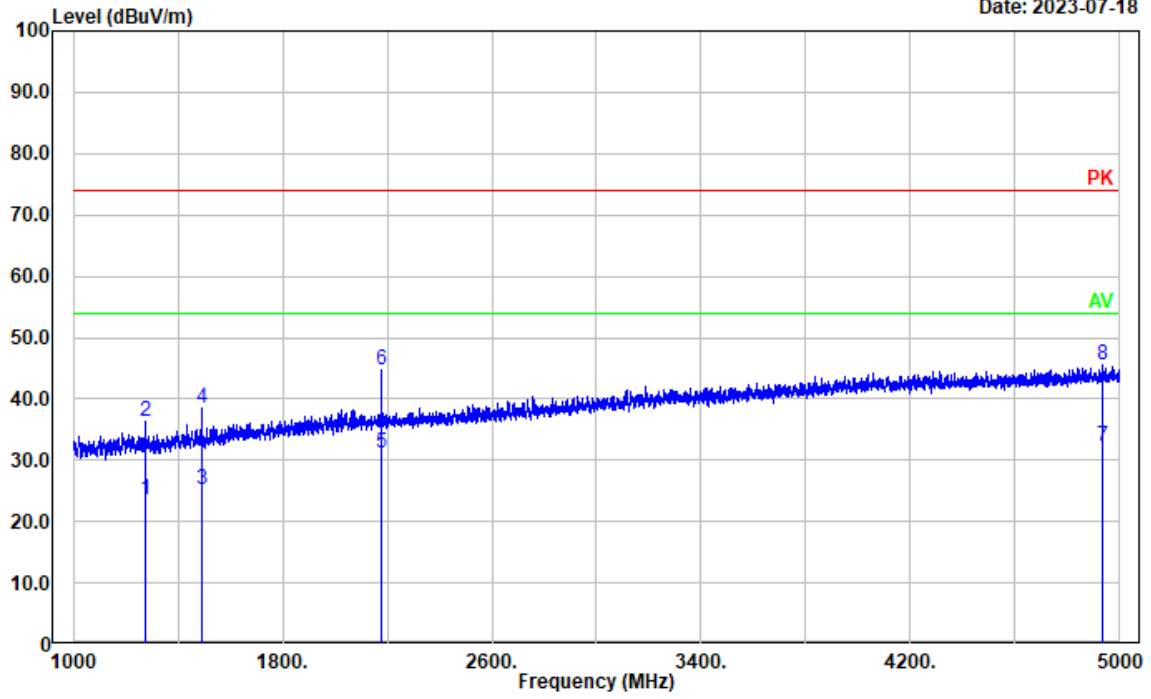


Date: 2023-07-18

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1489.698	25.03	-0.51	24.52	54.00	29.48	Average
2	1489.698	38.18	-0.51	37.67	74.00	36.33	Peak
3	2176.235	32.41	2.87	35.28	54.00	18.72	Average
4	2176.235	46.04	2.87	48.91	74.00	25.09	Peak
5	4939.188	21.31	11.22	32.53	54.00	21.47	Average
6	4939.188	34.48	11.22	45.70	74.00	28.30	Peak

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note: Charging&Receiving(136.0125)

Date: 2023-07-18

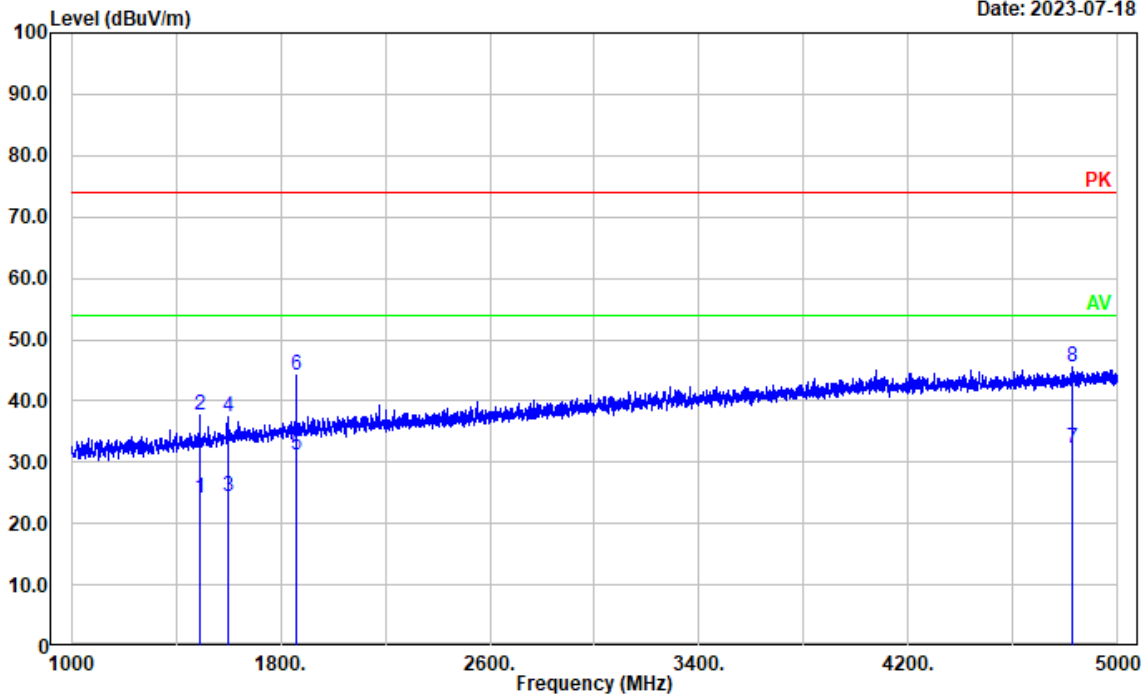


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1276.855	25.40	-1.71	23.69	54.00	30.31	Average
2	1276.855	38.04	-1.71	36.33	74.00	37.67	Peak
3	1490.498	25.65	-0.51	25.14	54.00	28.86	Average
4	1490.498	39.04	-0.51	38.53	74.00	35.47	Peak
5	2176.235	28.39	2.87	31.26	54.00	22.74	Average
6	2176.235	41.96	2.87	44.83	74.00	29.17	Peak
7	4935.987	21.13	11.21	32.34	54.00	21.66	Average
8	4935.987	34.22	11.21	45.43	74.00	28.57	Peak

Test Mode: M2 (RX 155MHz)

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note: Charging&Receiving(155)

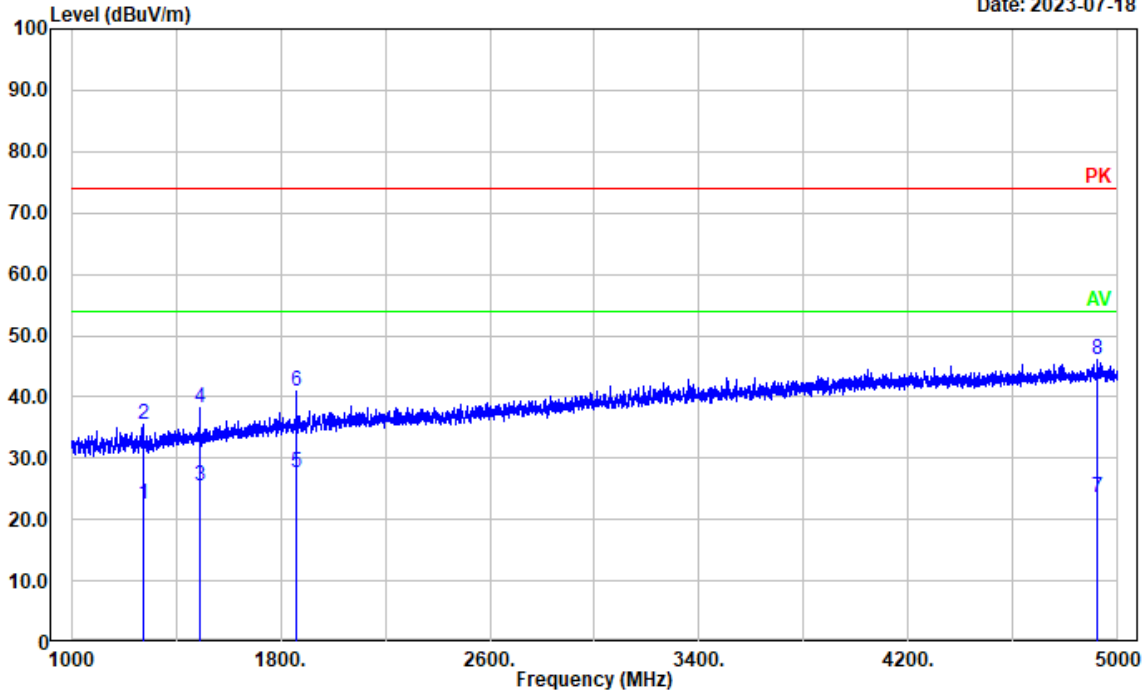
Date: 2023-07-18



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1489.698	24.68	-0.51	24.17	54.00	29.83	Average
2	1489.698	38.29	-0.51	37.78	74.00	36.22	Peak
3	1596.919	24.16	0.20	24.36	54.00	29.64	Average
4	1596.919	37.23	0.20	37.43	74.00	36.57	Peak
5	1859.372	29.65	1.60	31.25	54.00	22.75	Average
6	1859.372	42.48	1.60	44.08	74.00	29.92	Peak
7	4823.165	21.42	10.94	32.36	54.00	21.64	Average
8	4823.165	34.65	10.94	45.59	74.00	28.41	Peak

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note: Charging&Receiving(155)

Date: 2023-07-18

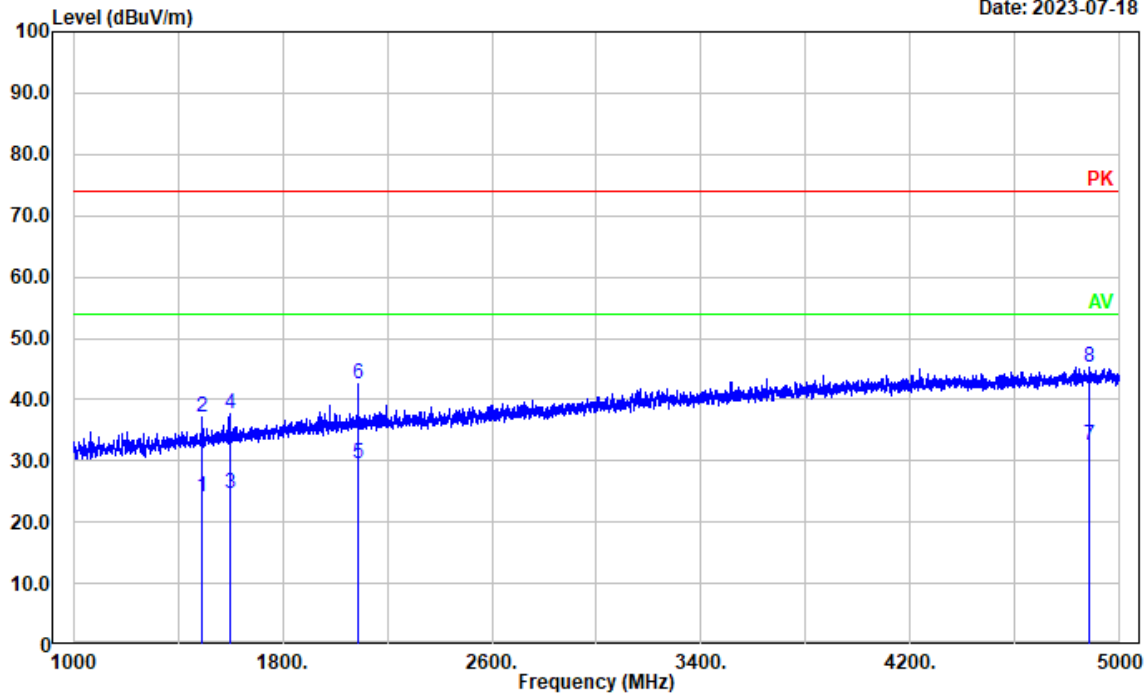


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1276.855	24.12	-1.71	22.41	54.00	31.59	Average
2	1276.855	37.18	-1.71	35.47	74.00	38.53	Peak
3	1490.498	25.98	-0.51	25.47	54.00	28.53	Average
4	1490.498	38.67	-0.51	38.16	74.00	35.84	Peak
5	1859.372	26.06	1.60	27.66	54.00	26.34	Average
6	1859.372	39.25	1.60	40.85	74.00	33.15	Peak
7	4923.185	12.37	11.19	23.56	54.00	30.44	Average
8	4923.185	34.95	11.19	46.14	74.00	27.86	Peak

Test Mode: M2 (RX 173.9875MHz)

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note: Charging&Receiving(173.9875)

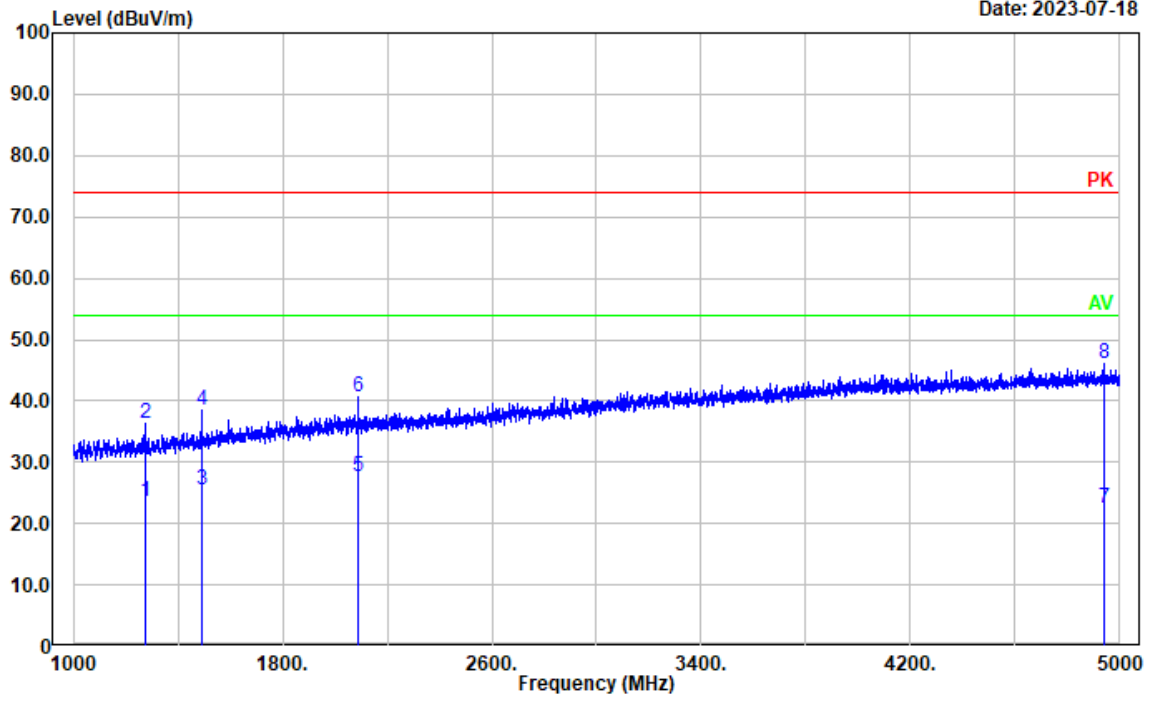
Date: 2023-07-18



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1489.698	24.62	-0.51	24.11	54.00	29.89	Average
2	1489.698	37.77	-0.51	37.26	74.00	36.74	Peak
3	1596.919	24.38	0.20	24.58	54.00	29.42	Average
4	1596.919	37.47	0.20	37.67	74.00	36.33	Peak
5	2087.417	27.06	2.60	29.66	54.00	24.34	Average
6	2087.417	39.99	2.60	42.59	74.00	31.41	Peak
7	4883.977	21.46	11.07	32.53	54.00	21.47	Average
8	4883.977	34.26	11.07	45.33	74.00	28.67	Peak

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note: Charging&Receiving(173.9875)

Date: 2023-07-18

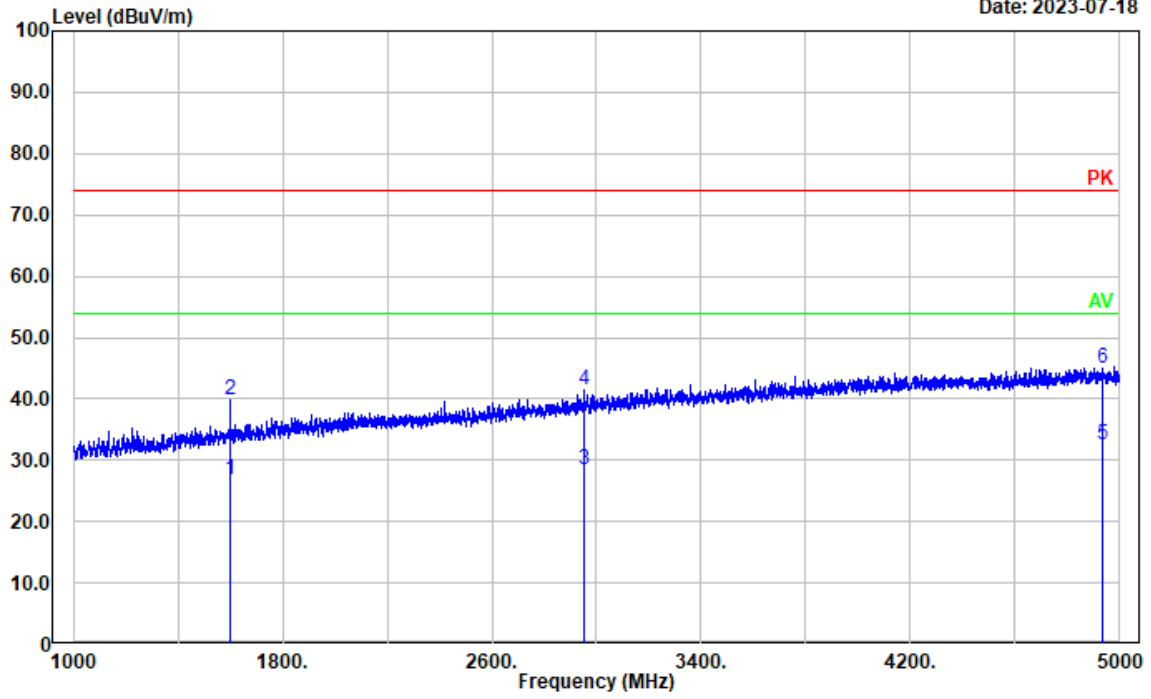


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1277.656	25.16	-1.71	23.45	54.00	30.55	Average
2	1277.656	37.89	-1.71	36.18	74.00	37.82	Peak
3	1489.698	25.87	-0.51	25.36	54.00	28.64	Average
4	1489.698	38.93	-0.51	38.42	74.00	35.58	Peak
5	2087.417	24.96	2.60	27.56	54.00	26.44	Average
6	2087.417	38.01	2.60	40.61	74.00	33.39	Peak
7	4938.388	11.36	11.22	22.58	54.00	31.42	Average
8	4938.388	34.75	11.22	45.97	74.00	28.03	Peak

Test Mode: M2 (RX 400.0125MHz)

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note: Charging&Receiving(400.0125)

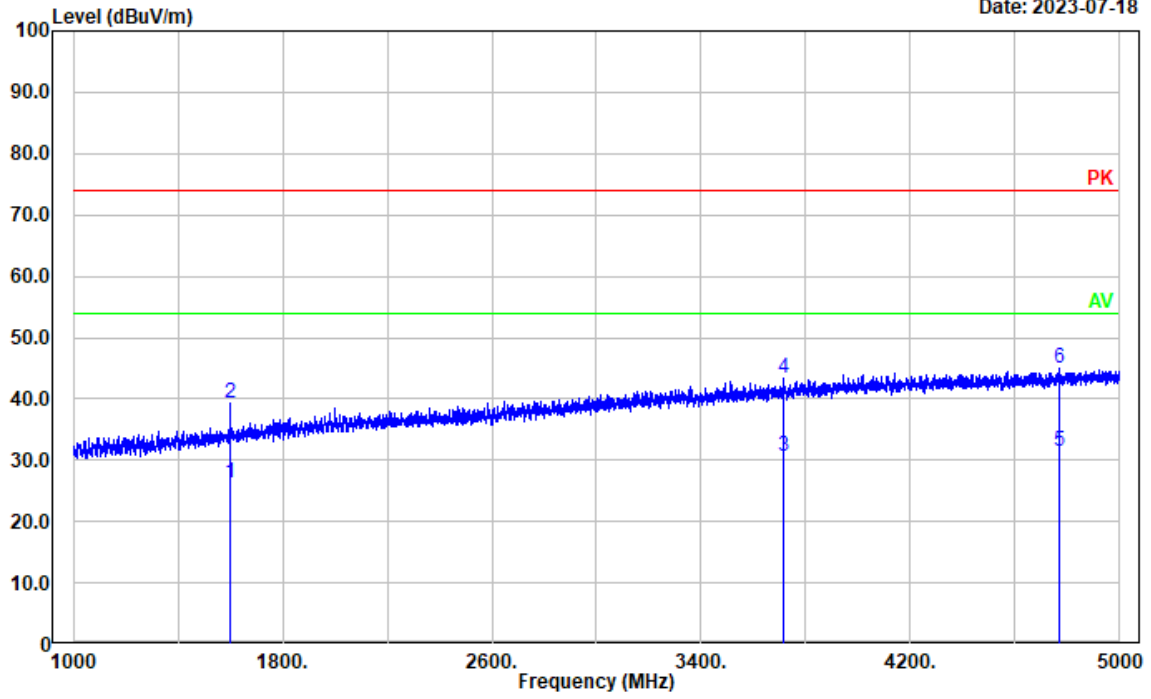
Date: 2023-07-18



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1599.320	26.62	0.23	26.85	54.00	27.15	Average
2	1599.320	39.67	0.23	39.90	74.00	34.10	Peak
3	2954.791	22.61	5.86	28.47	54.00	25.53	Average
4	2954.791	35.71	5.86	41.57	74.00	32.43	Peak
5	4933.587	21.20	11.21	32.41	54.00	21.59	Average
6	4933.587	33.87	11.21	45.08	74.00	28.92	Peak

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note: Charging&Receiving(400.0125)

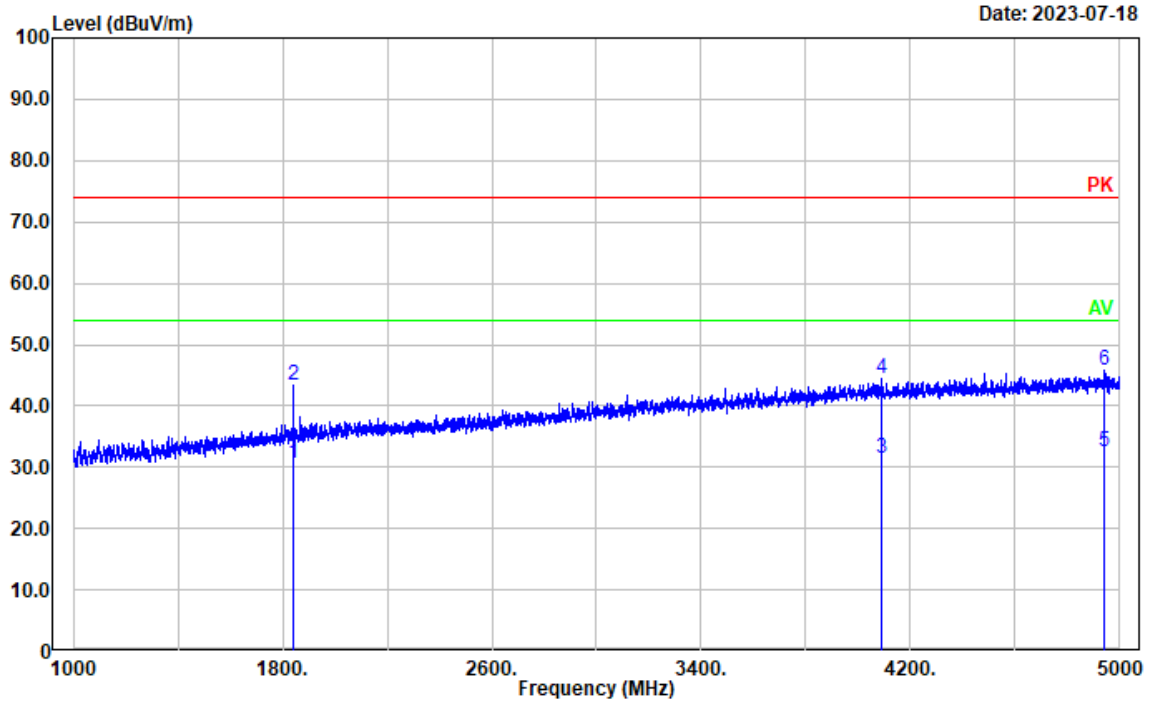
Date: 2023-07-18



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1600.120	26.16	0.23	26.39	54.00	27.61	Average
2	1600.120	39.14	0.23	39.37	74.00	34.63	Peak
3	3716.543	22.18	8.39	30.57	54.00	23.43	Average
4	3716.543	34.99	8.39	43.38	74.00	30.62	Peak
5	4771.955	20.63	10.81	31.44	54.00	22.56	Average
6	4771.955	34.16	10.81	44.97	74.00	29.03	Peak

Test Mode: M2 (RX 460MHz)

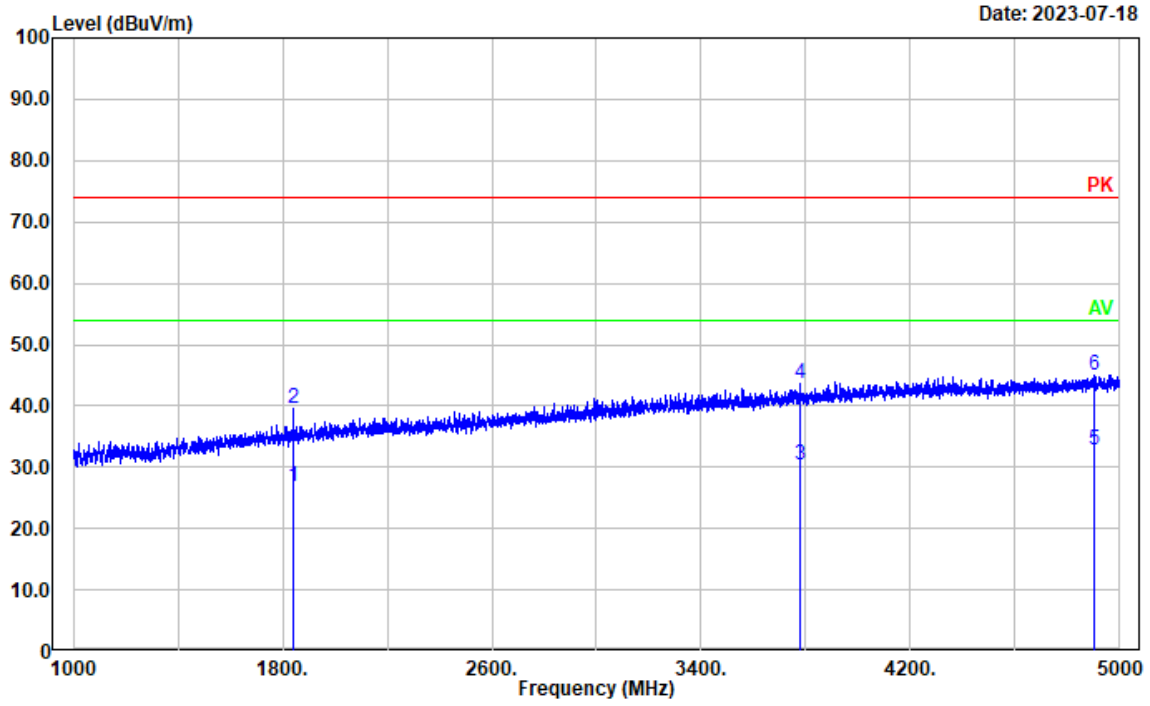
Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note: Charging&Receiving(460)



Date: 2023-07-18

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1840.168	29.09	1.49	30.58	54.00	23.42	Average
2	1840.168	41.81	1.49	43.30	74.00	30.70	Peak
3	4091.018	21.90	9.54	31.44	54.00	22.56	Average
4	4091.018	34.93	9.54	44.47	74.00	29.53	Peak
5	4941.588	21.42	11.23	32.65	54.00	21.35	Average
6	4941.588	34.51	11.23	45.74	74.00	28.26	Peak

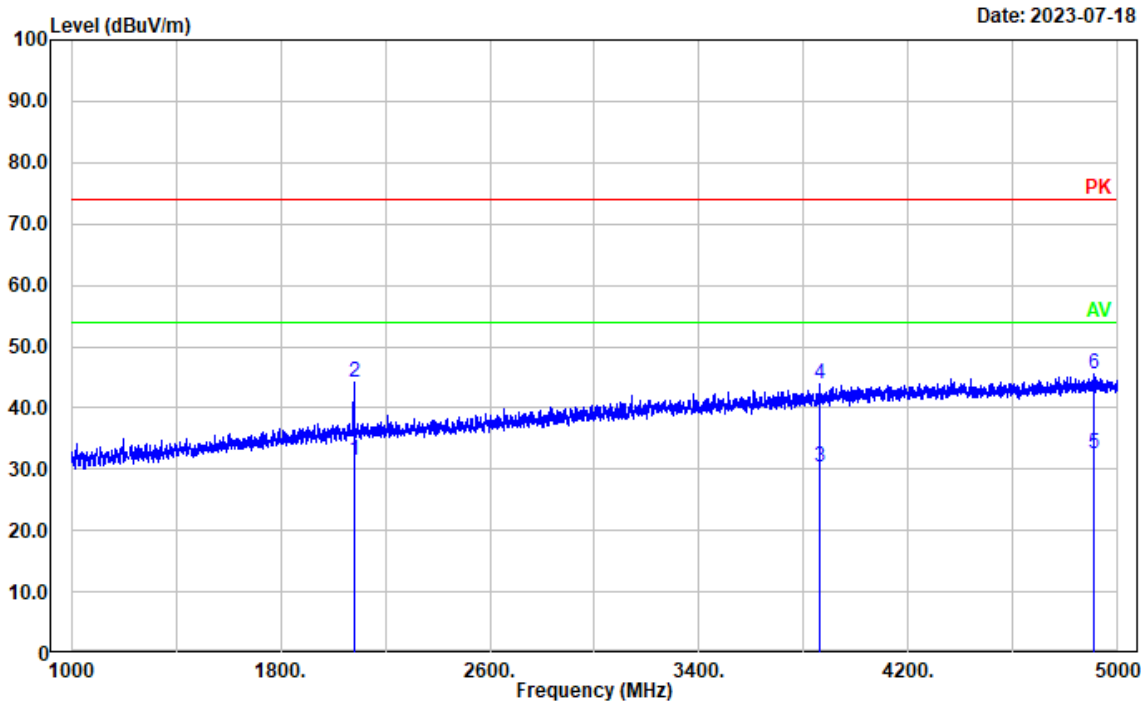
Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note: Charging&Receiving(460)



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1840.168	25.22	1.49	26.71	54.00	27.29	Average
2	1840.168	38.10	1.49	39.59	74.00	34.41	Peak
3	3779.756	21.60	8.65	30.25	54.00	23.75	Average
4	3779.756	34.95	8.65	43.60	74.00	30.40	Peak
5	4901.580	21.56	11.13	32.69	54.00	21.31	Average
6	4901.580	33.91	11.13	45.04	74.00	28.96	Peak

Test Mode: M2 (RX 519.9875MHz)

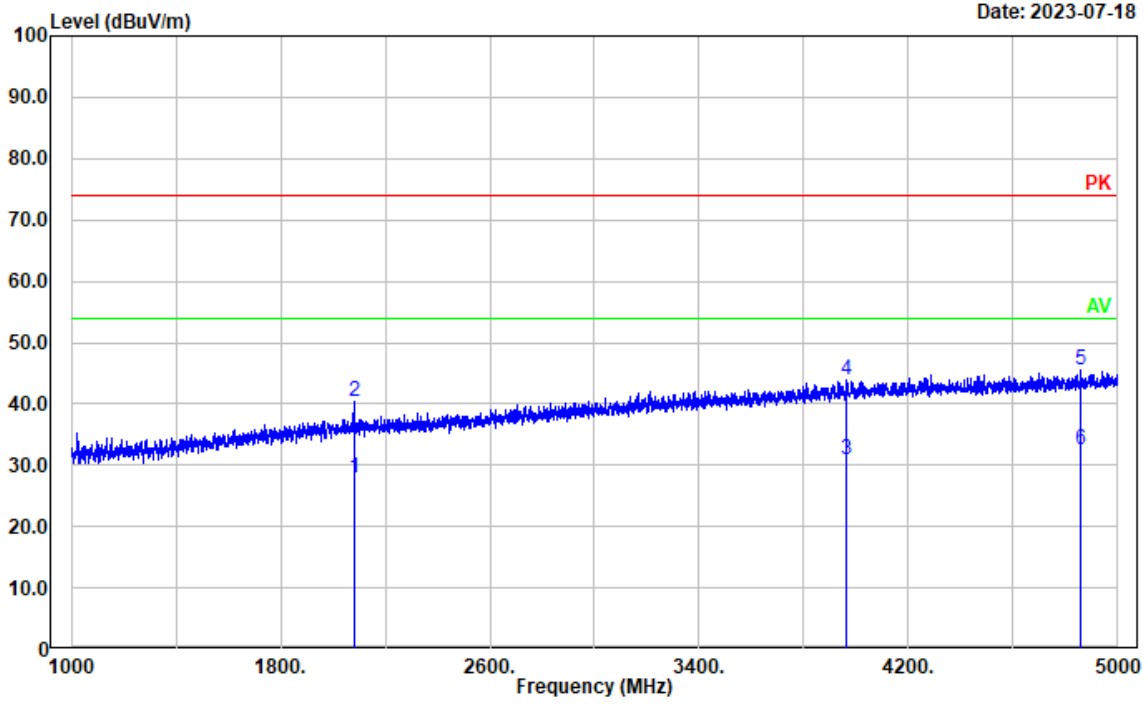
Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: horizontal
 Note: Charging&Receiving(519.9875)



Date: 2023-07-18

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2079.416	28.87	2.58	31.45	54.00	22.55	Average
2	2079.416	41.61	2.58	44.19	74.00	29.81	Peak
3	3858.972	21.40	8.85	30.25	54.00	23.75	Average
4	3858.972	35.05	8.85	43.90	74.00	30.10	Peak
5	4909.582	21.43	11.16	32.59	54.00	21.41	Average
6	4909.582	34.37	11.16	45.53	74.00	28.47	Peak

Project No.: CR230637671-RF
 Tester: Tao Zhu
 Polarization: vertical
 Note: Charging&Receiving(519.9875)



Date: 2023-07-18

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2079.416	25.24	2.58	27.82	54.00	26.18	Average
2	2079.416	37.90	2.58	40.48	74.00	33.52	Peak
3	3963.793	21.52	9.27	30.79	54.00	23.21	Average
4	3963.793	34.67	9.27	43.94	74.00	30.06	Peak
5	4857.571	34.44	10.99	45.43	54.00	8.57	Average
6	4857.571	21.56	10.99	32.55	74.00	41.45	Peak

4.3 Antenna Power Conduction Limits for Receivers

Serial Number:	27OX-1	Test Date:	2023/10/15
Test Site:	RF	Test Mode:	Scanning, Receiving
Tester:	Morpheus Shi	Test Result:	Pass

Environmental Conditions:

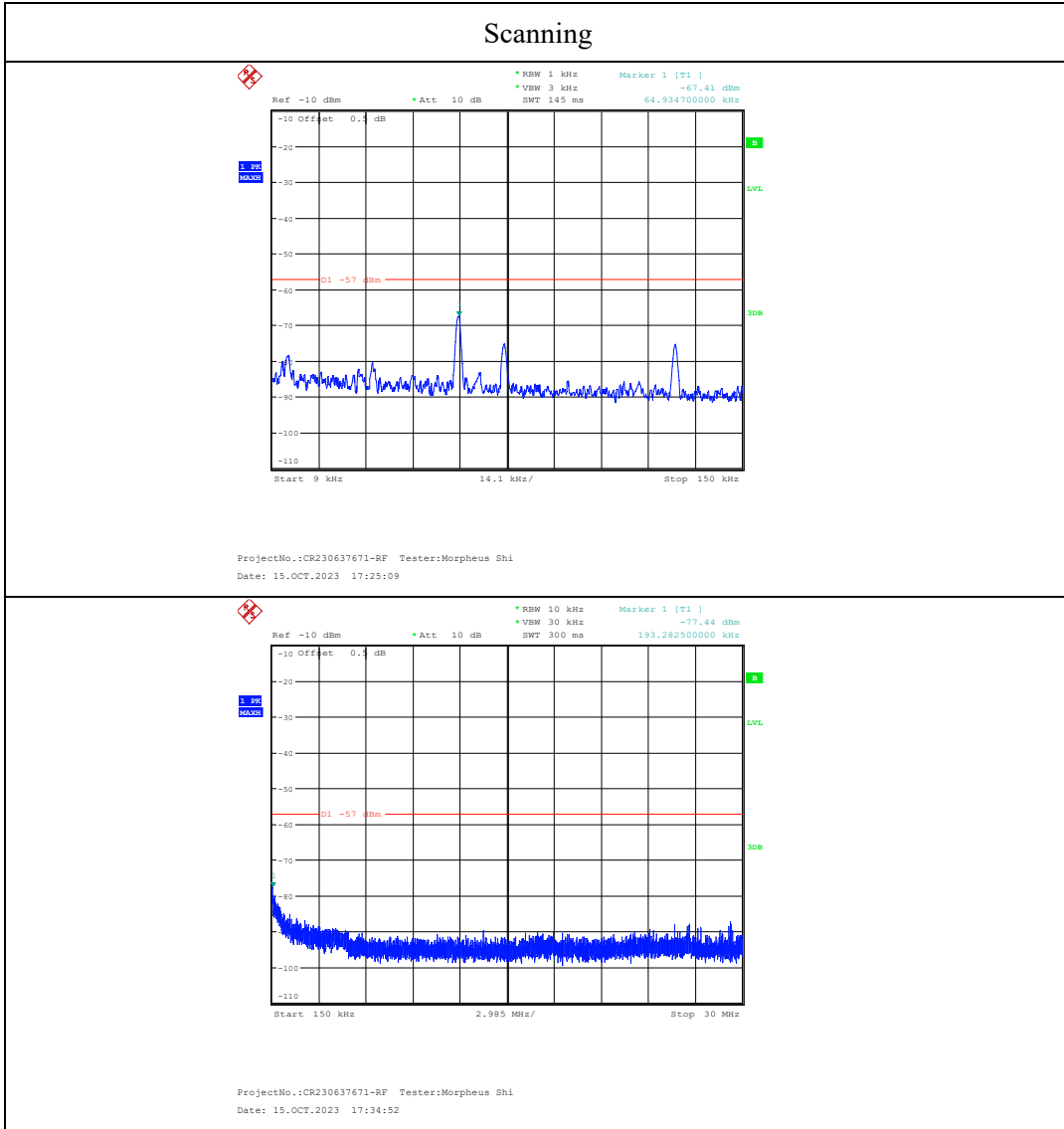
Temperature: (°C)	26.3	Relative Humidity: (%)	55	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

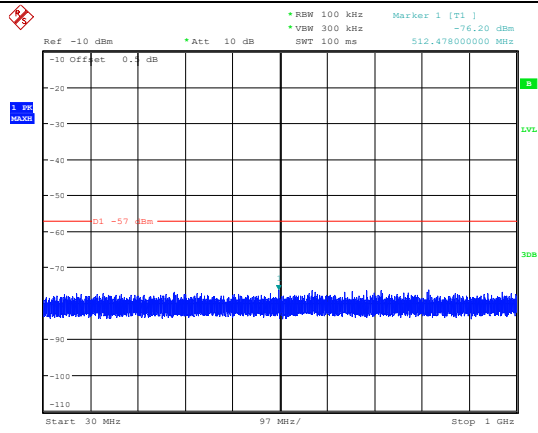
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200445	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A

** 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).*

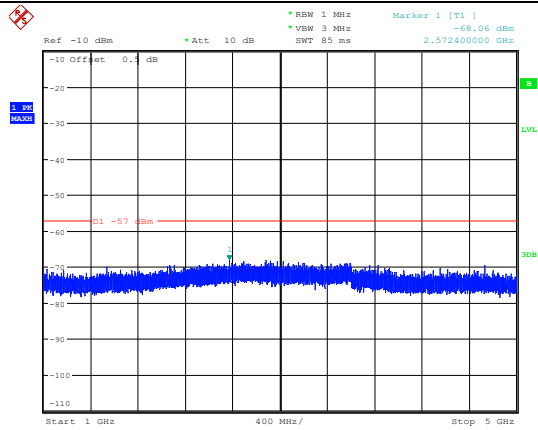
Test Mode: MI



Scanning

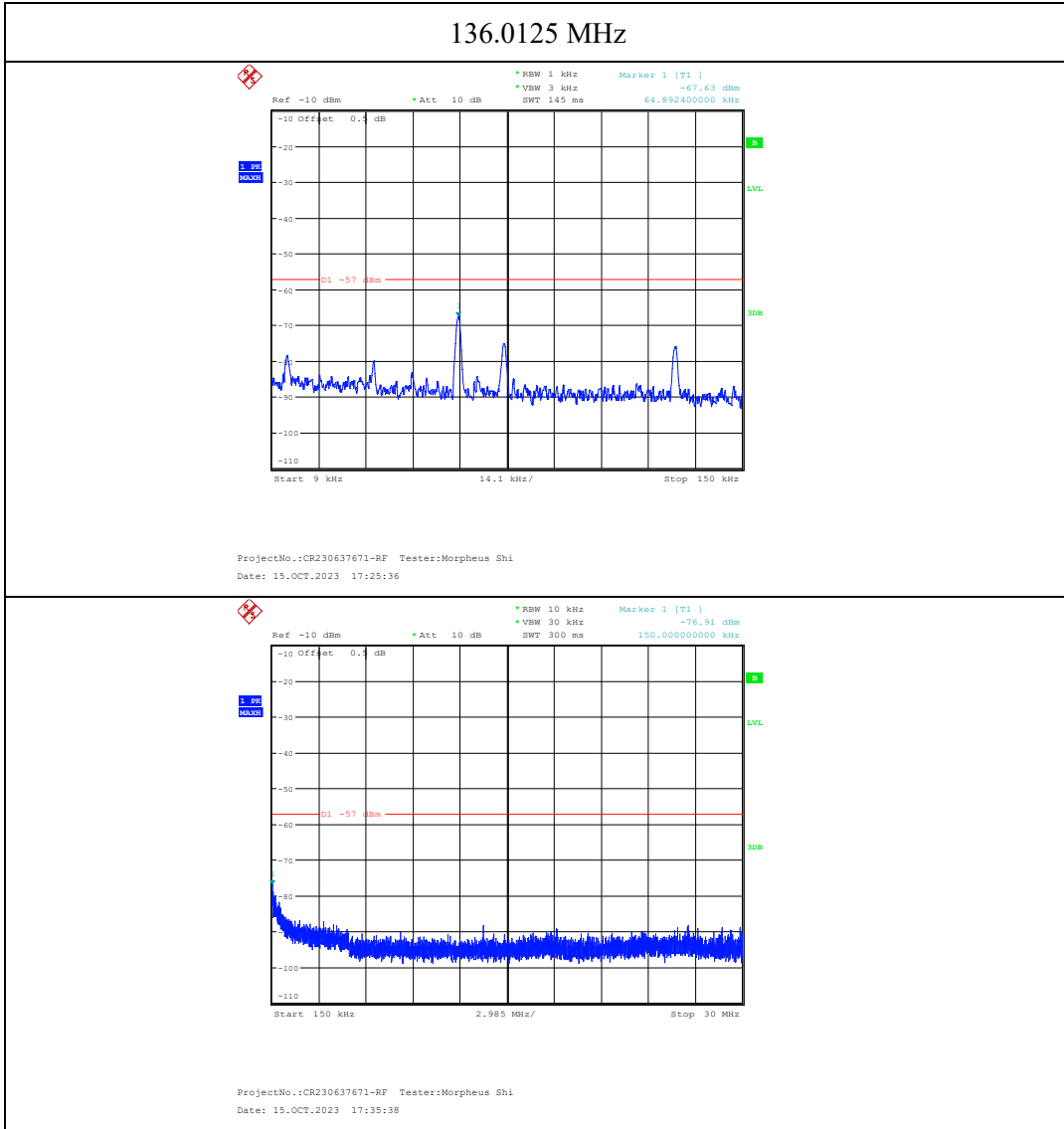


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:46:07

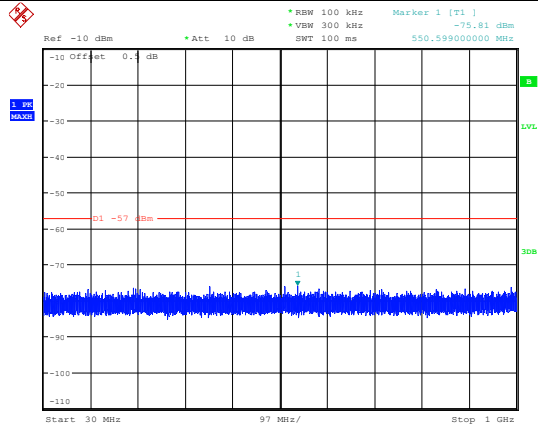


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:57:57

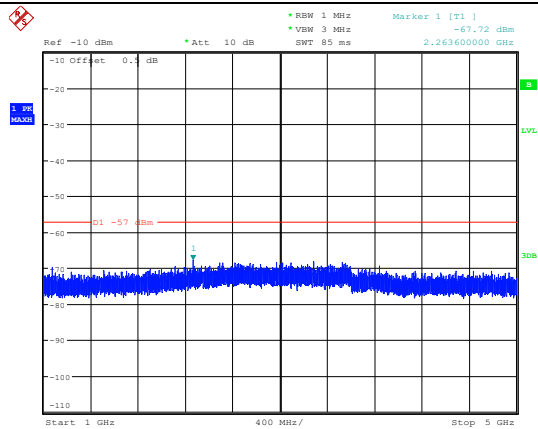
Test Mode: M2



136.0125 MHz

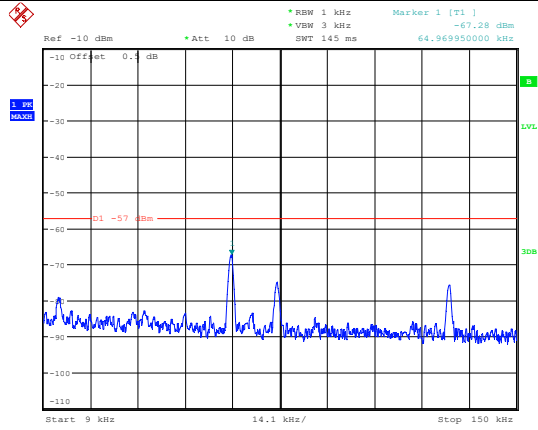


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:46:39

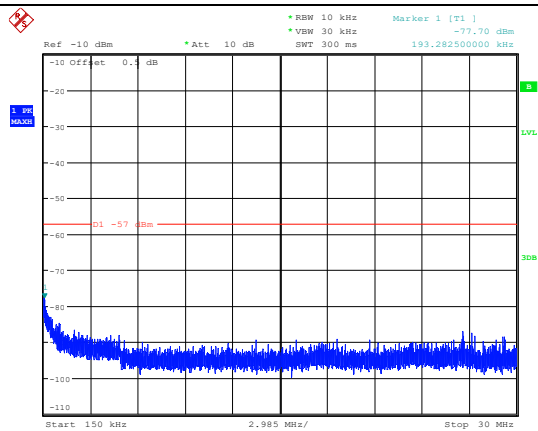


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:58:43

155 MHz

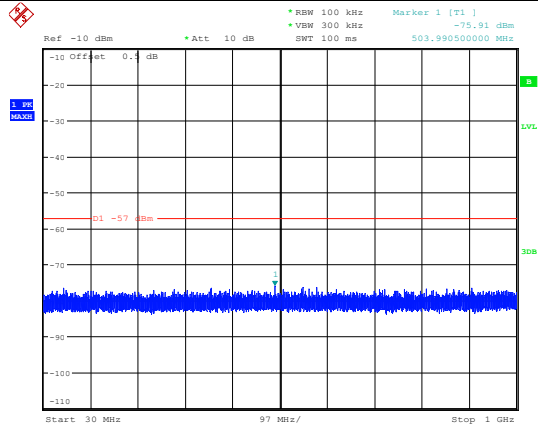


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:26:13

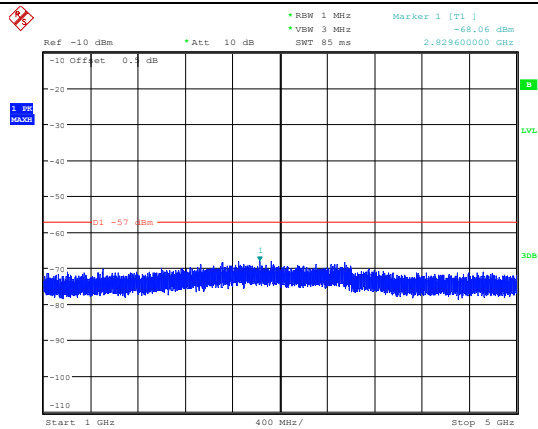


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:36:21

155 MHz

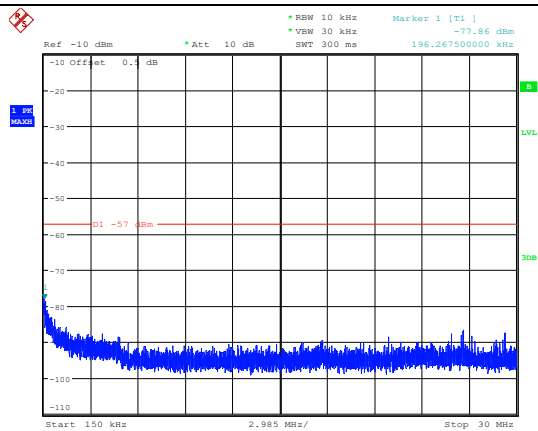
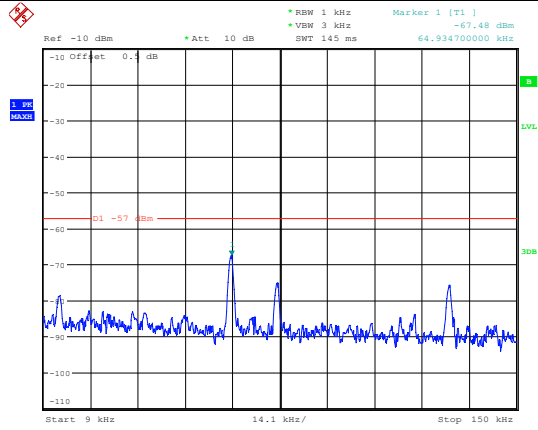


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:47:22

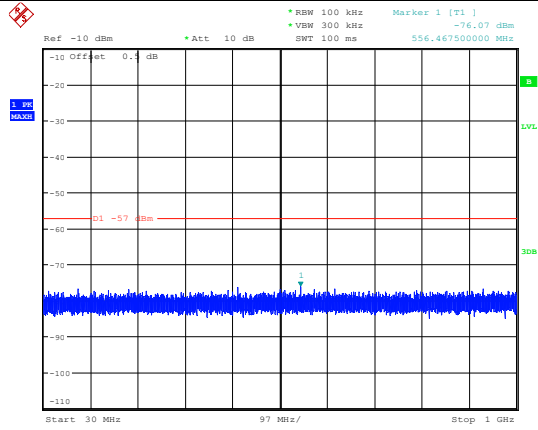


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:59:51

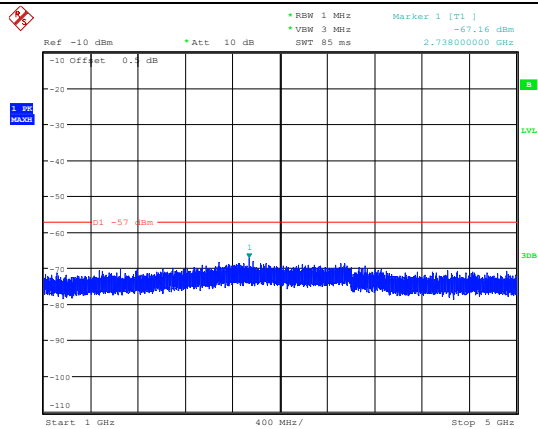
173.9875 MHz



173.9875 MHz

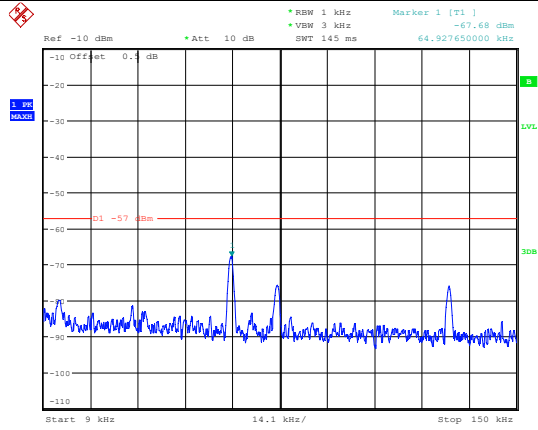


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:47:55

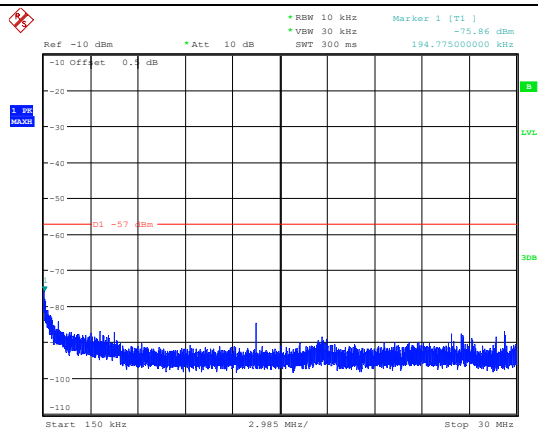


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 18:00:38

400.0125MHz

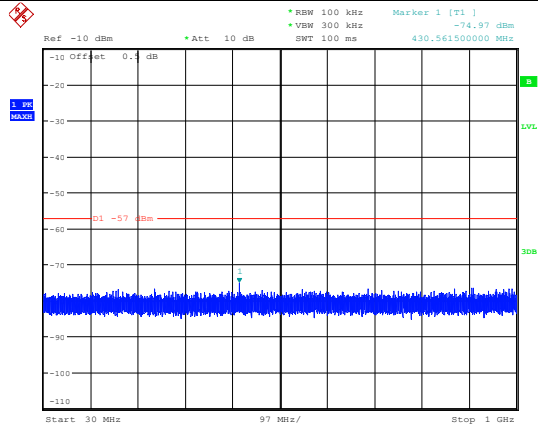


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:27:01

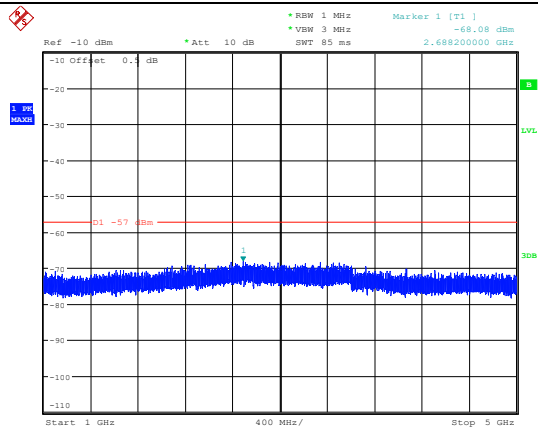


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:40:00

400.0125MHz

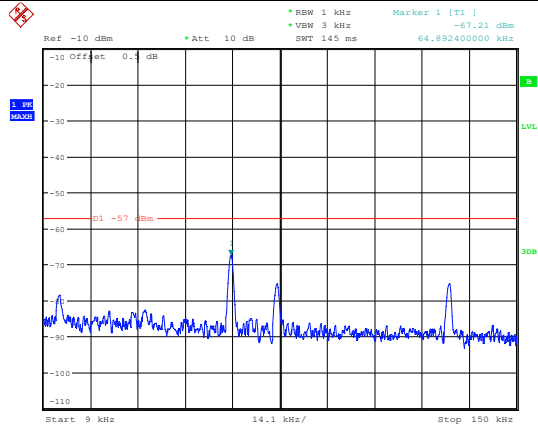


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:48:46

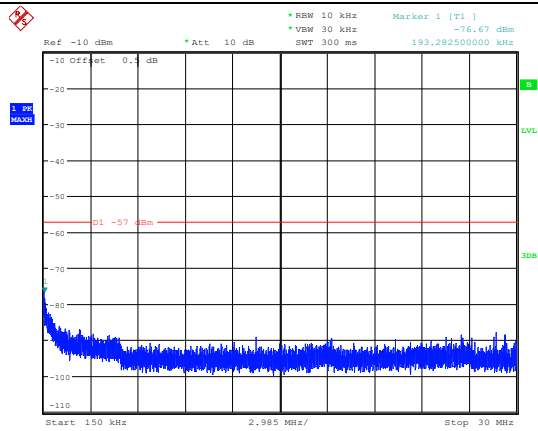


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 18:01:22

460 MHz

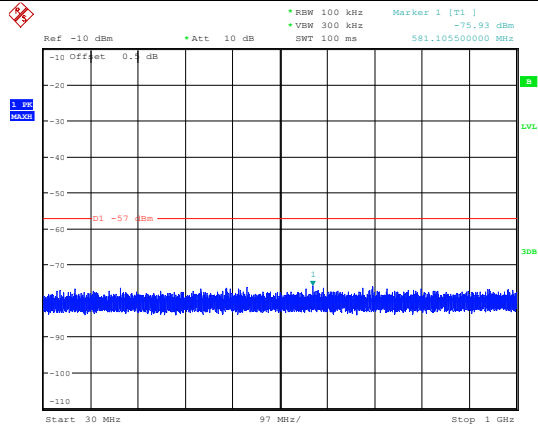


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:27:52

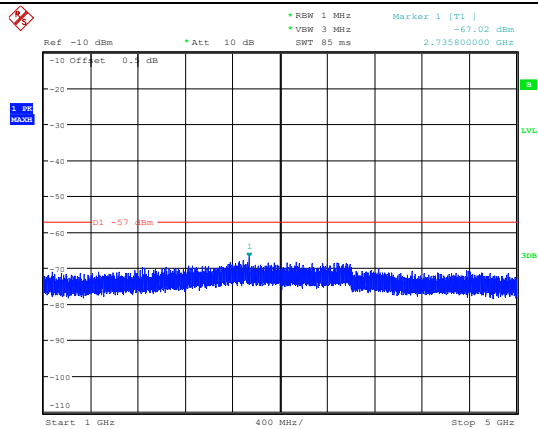


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:40:37

460 MHz

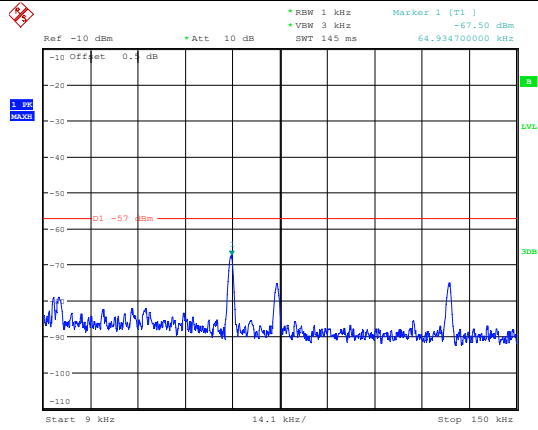


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:49:27

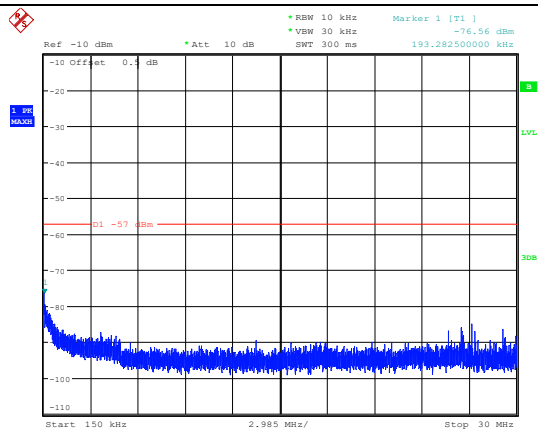


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 18:02:05

519.9875 MHz

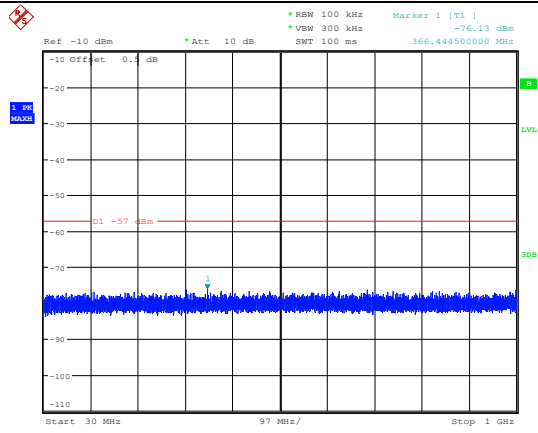


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:28:24

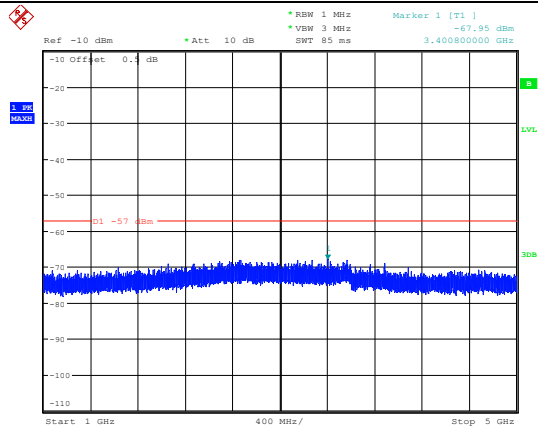


ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:41:17

519.9875 MHz



ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 17:50:23



ProjectNo.:CR230637671-RF Tester:Morpheus Shi
Date: 15.OCT.2023 18:02:49

4.4 Scanning Receivers and Frequency Converters Used with Scanning Receivers

Serial Number:	27OX-1	Test Date:	2023/10/15
Test Site:	RF	Test Mode:	Scanning
Tester:	Morpheus Shi	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.3	Relative Humidity: (%)	55	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200445	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	LMR300	NJ0100001	Each time	N/A
YINSAIGE	Coaxial Cable	LMR300	NJ0100002	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Agilent	MXG Vector Signal Generator	N5182B	MY51350144	2023/3/31	2024/3/30
HP	RF Communications Test Set	8920A	3438A05209	2023/3/31	2024/3/30
Mini-Circuits	Power Splitter	ZFRSC-183-S+	S F448201619	Each time	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).

Scanning Frequency Range	Test Frequency	Measurement Result	Limit
MHz	MHz	dB	dB
136-174/400-520	824, 836, 849, 869, 881.5, 894	43	>38

5. EUT PHOTOGRAPHS

Please refer to the attachment CR230637671-EXP EUT EXTERNAL PHOTOGRAPHS and CR230637671-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230637671-00A-TSP TEST SETUP PHOTOGRAPHS.

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