中认信通
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **Radixon s.r.o**

Address: Opatska 19, 04018 Kosice-Krasna, Slovak Republic

FCC ID: **2AQYWG6I5**

Product Name: **HF/VHF Receiver**

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: **CR231058988-00**

Date Of Issue: **2024/03/13**

Reviewed By: **Calvin Chen**
Title: RF Engineer

Approved By: **Sun Zhong**
Title: Manager

Test Laboratory: **China Certification ICT Co., Ltd (Dongguan)**
No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
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.

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.

This report cannot be reproduced except in full, without prior written approval of the Company.

This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

This report may contain data that are not covered by the accreditation scope and shall be marked with an asterisk "★".

CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR231058988-00	Original Report	2024/03/13

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	HF/VHF Receiver
EUT Model:	WR-G65DDCi
Trade Mark:	WiNRADiO
RX Frequency Range:	Range 1: 30MHz~88MHz Range 2:118MHz ~190MHz
Highest Operation Frequency:	190 MHz
Rated Input Voltage:	DC 3.3-12V from PCIe
Serial Number:	2C36-1
EUT Received Date:	2023/10/16
EUT Received Status:	Good

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

Operation Frequency and Test Channel:

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
AM Receiving	30-88	30.1MHz, 59MHz, 87.9MHz
	118-190	118.1MHz, 154MHz, 189.9MHz
FM Receiving	30-88	30.1MHz, 59MHz, 87.9MHz
	118-190	118.1MHz, 154MHz, 189.9MHz
Scanning	30-88 118-190	/

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: AM Receiving M2: FM Receiving M3: Scanning *Note: Radiated Emission test above 1GHz test only performed at worst case, which according to radiated emission below 1GHz test result.*
Equipment Modifications:	No
EUT Exercise Software:	No

1.2.2 Support Equipment List and Details

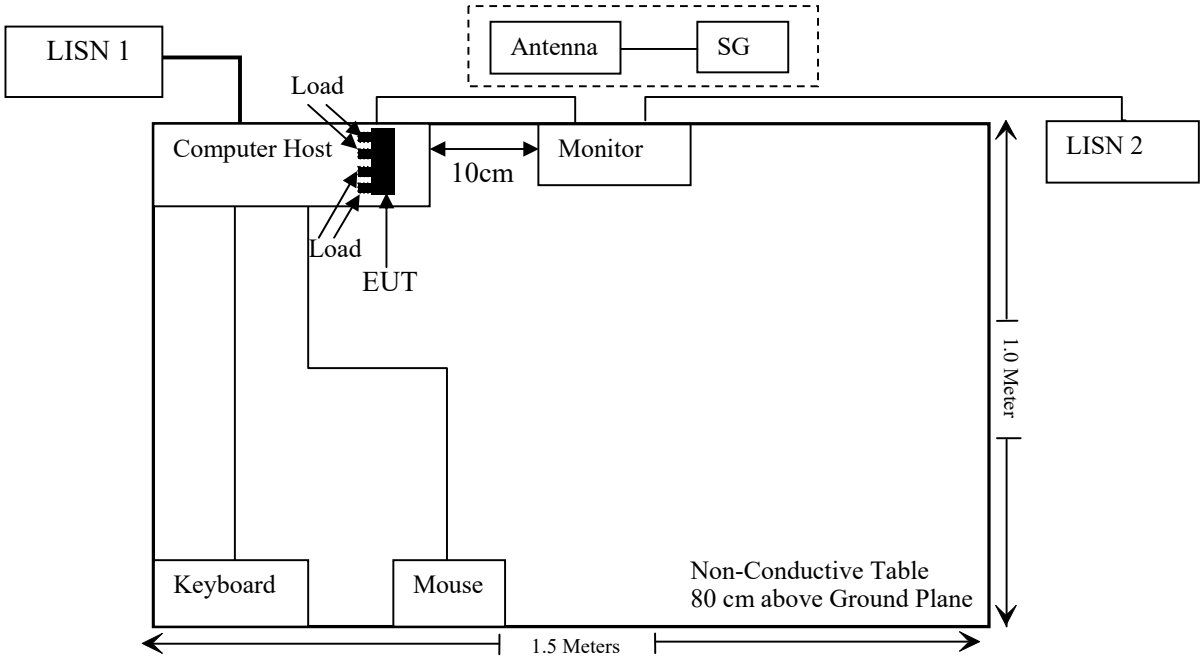
Manufacturer	Description	Model	Serial Number
Unknown	Computer Host	Unknown	Unknown
PHILIPS	Keyboard	SPT6234	K234210510746
PHILIPS	Mouse	SPT6234	C234210506222
Unknown	Load	Unknown	Unknown
PHILIPS	Monitor	24PFF5595/T3	XM2A2124000343
Agilent	MXG Vector Signal Generator	N5182B	MY51350142

1.2.3 Support Cable List and Details

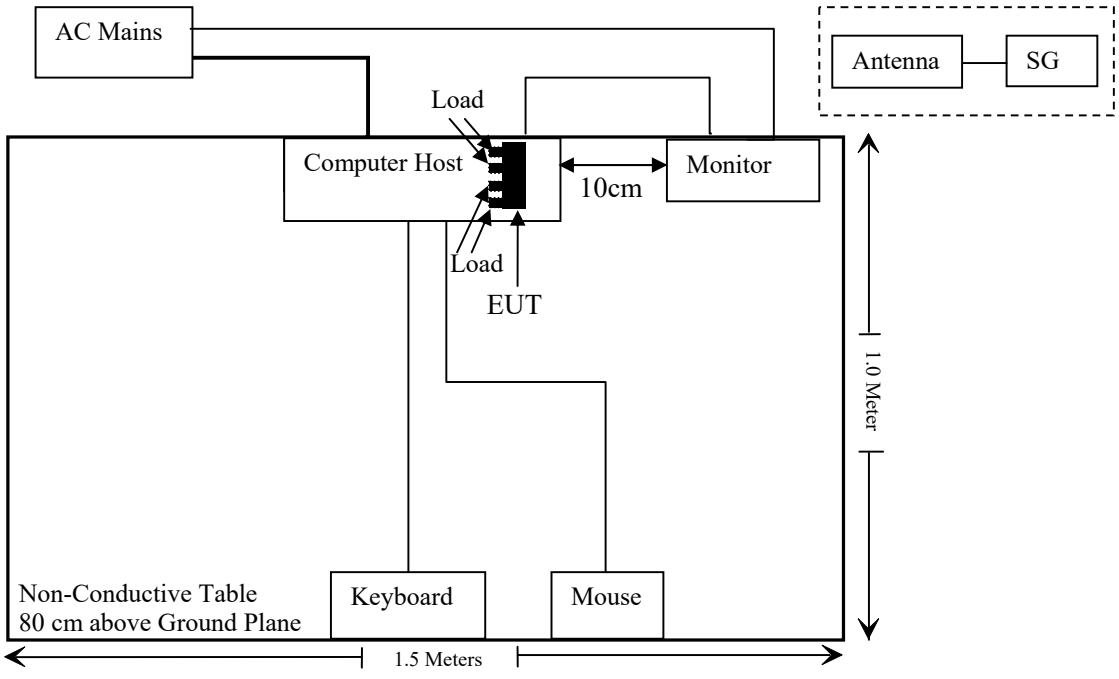
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
AC Cable	No	No	0.8	LISN1/AC Mains	Computer host
USB Cable	No	No	1.0	Keyboard	Computer host
USB Cable	No	No	1.2	Mouse	Computer host
HDMI Cable	No	No	1.5	Monitor	Computer host
AC Cable	No	No	1.5	LISN2/AC Mains	Monitor
Coaxial Cable	No	No	1.5	Antenna	N5182B

1.2.4 Block Diagram of Test Setup

AC line conducted emissions:



Radiation 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
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℃
Humidity	±5%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

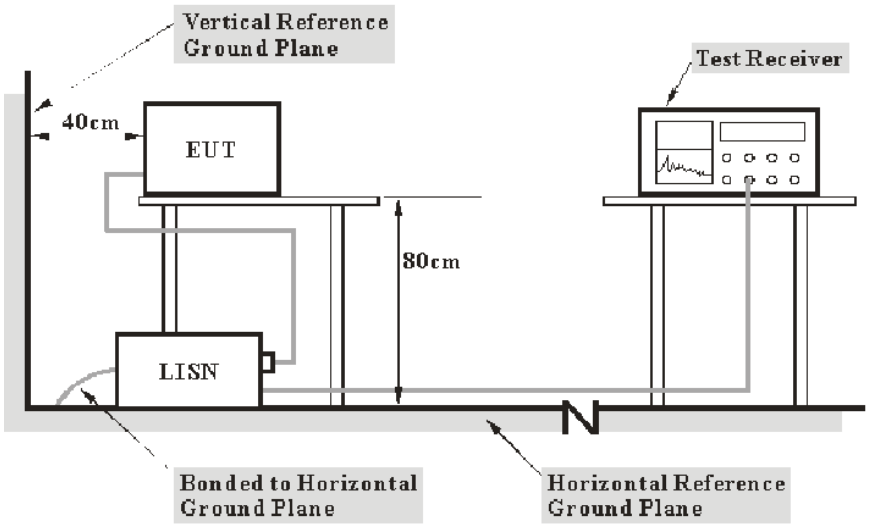
2. SUMMARY OF TEST RESULTS

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

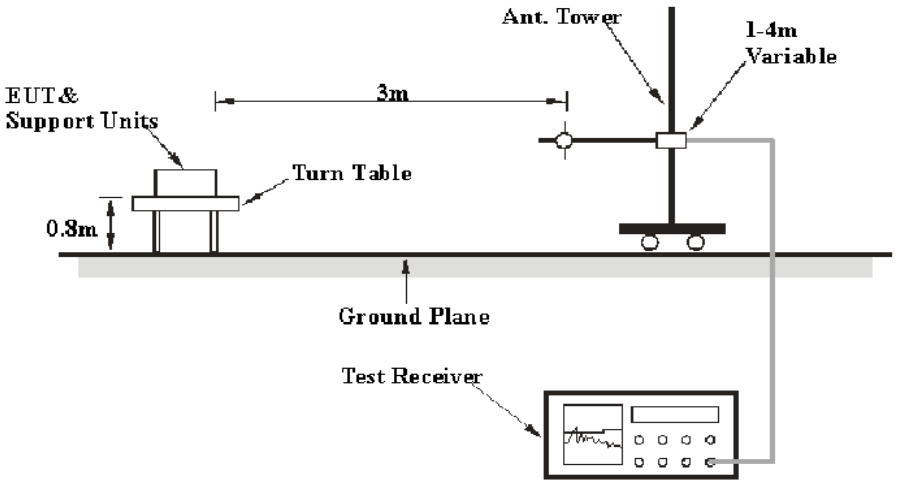
The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

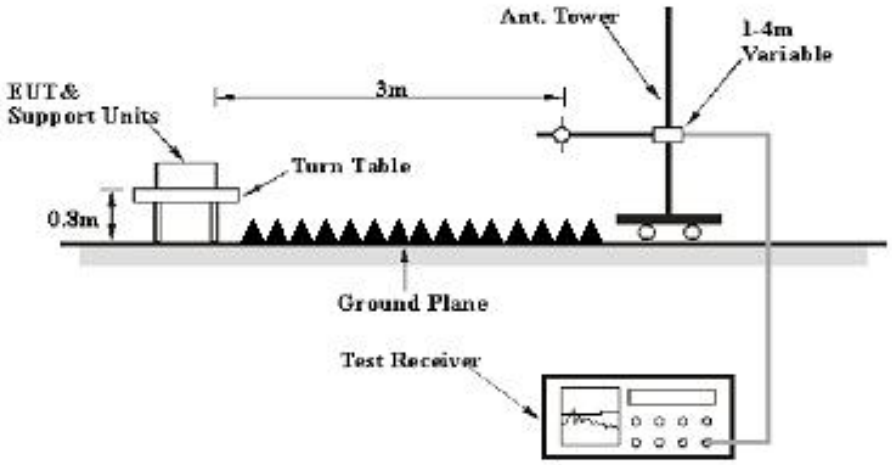
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



The radiated 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 EMI Test Receiver Setup

The system was investigated from 30 MHz to 2 GHz.

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

Frequency Range	Measurement	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	QP	100 kHz	300 kHz	120 kHz	QP
Above 1 GHz	Peak	1 MHz	3 MHz	/	Peak
	Average	1 MHz	Reduced video bandwidth	/	Peak

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 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.

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

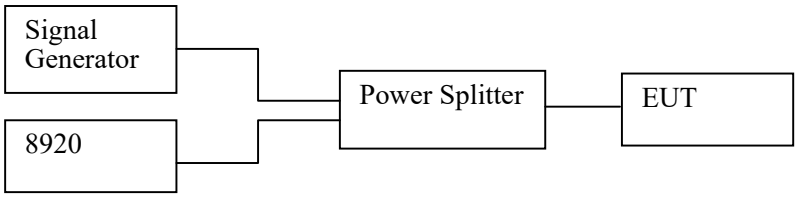
3.4.1 Applicable Standard

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:	2C36-1	Test Date:	2023/12/6-2024/03/12
Test Site:	CE	Test Mode:	Receiving, Scanning
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	23.5~24.9	Relative Humidity: (%)	32~53	ATM Pressure: (kPa)	101.3~101.8

Test Equipment List and Details:

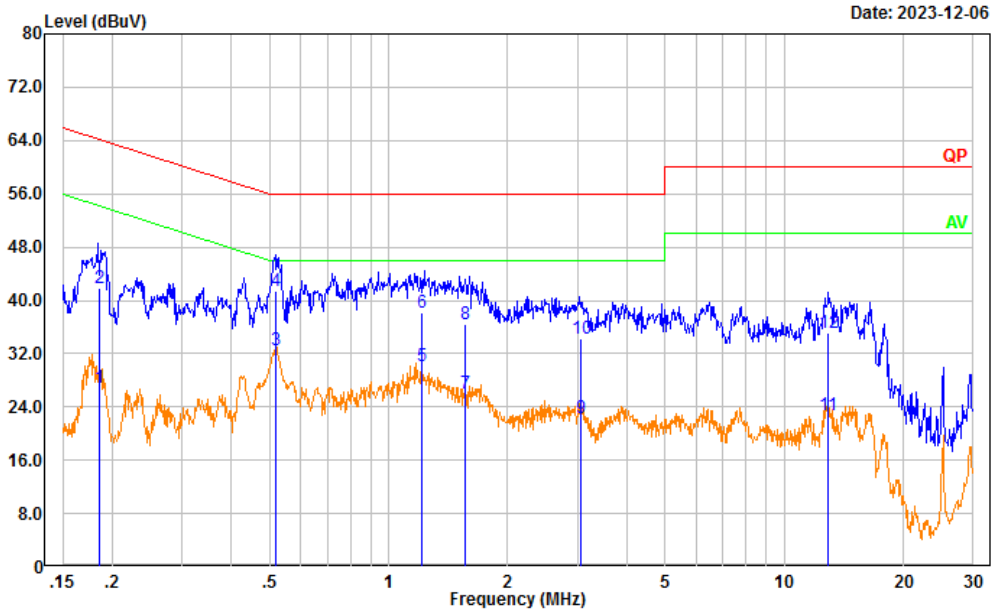
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/3/31	2024/3/30
R&S	EMI Test Receiver	ESR3	102726	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/8/6	2024/8/5
Audix	Test Software	E3	190306 (V9)	N/A	N/A

** 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 Data:

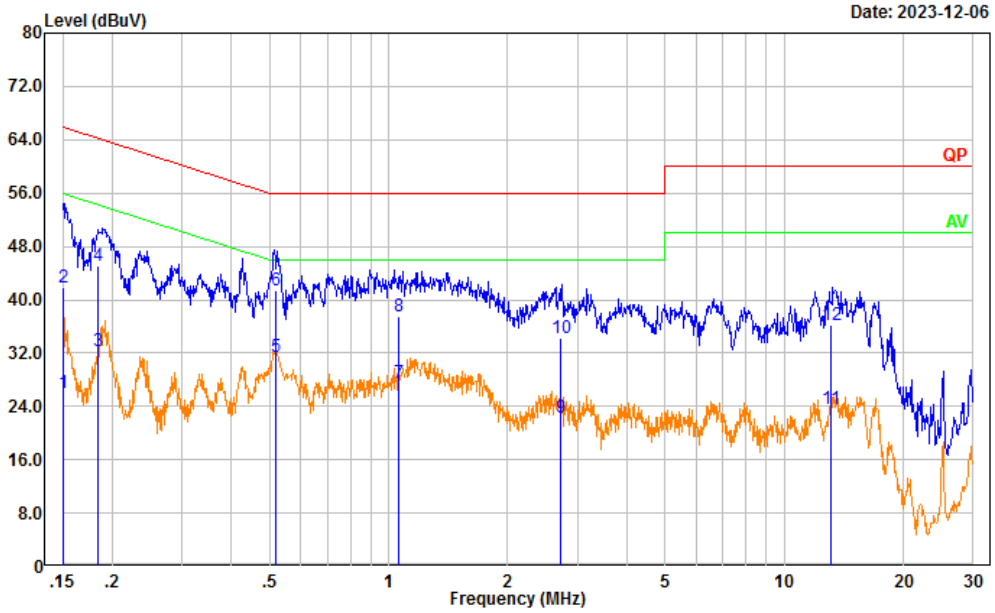
For 30-88MHz:
Receiving: worst case is M1, 59MHz

Project No.: CR231058988-RF
Tester: David Huang
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.186	17.33	9.61	26.94	54.23	27.29	Average
2	0.186	32.29	9.61	41.90	64.23	22.33	QP
3	0.517	22.82	9.61	32.43	46.00	13.57	Average
4	0.517	31.82	9.61	41.43	56.00	14.57	QP
5	1.213	20.52	9.62	30.14	46.00	15.86	Average
6	1.213	28.61	9.62	38.23	56.00	17.77	QP
7	1.560	16.33	9.63	25.96	46.00	20.04	Average
8	1.560	26.74	9.63	36.37	56.00	19.63	QP
9	3.064	12.61	9.65	22.26	46.00	23.74	Average
10	3.064	24.54	9.65	34.19	56.00	21.81	QP
11	12.865	13.13	9.68	22.81	50.00	27.19	Average
12	12.865	25.42	9.68	35.10	60.00	24.90	QP

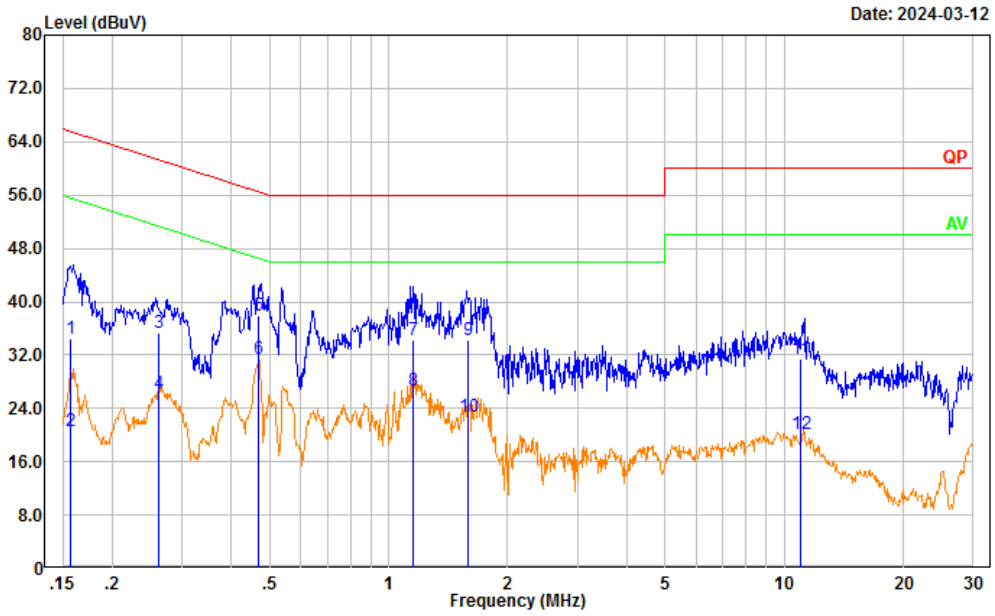
Project No.: CR231058988-RF
Tester: David Huang
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.150	16.50	9.61	26.11	55.98	29.87	Average
2	0.150	32.18	9.61	41.79	65.98	24.19	QP
3	0.185	22.70	9.61	32.31	54.27	21.96	Average
4	0.185	35.58	9.61	45.19	64.27	19.08	QP
5	0.519	21.93	9.61	31.54	46.00	14.46	Average
6	0.519	31.75	9.61	41.36	56.00	14.64	QP
7	1.058	18.02	9.62	27.64	46.00	18.36	Average
8	1.058	27.87	9.62	37.49	56.00	18.51	QP
9	2.711	12.63	9.64	22.27	46.00	23.73	Average
10	2.711	24.59	9.64	34.23	56.00	21.77	QP
11	13.096	13.99	9.68	23.67	50.00	26.33	Average
12	13.096	26.48	9.68	36.16	60.00	23.84	QP

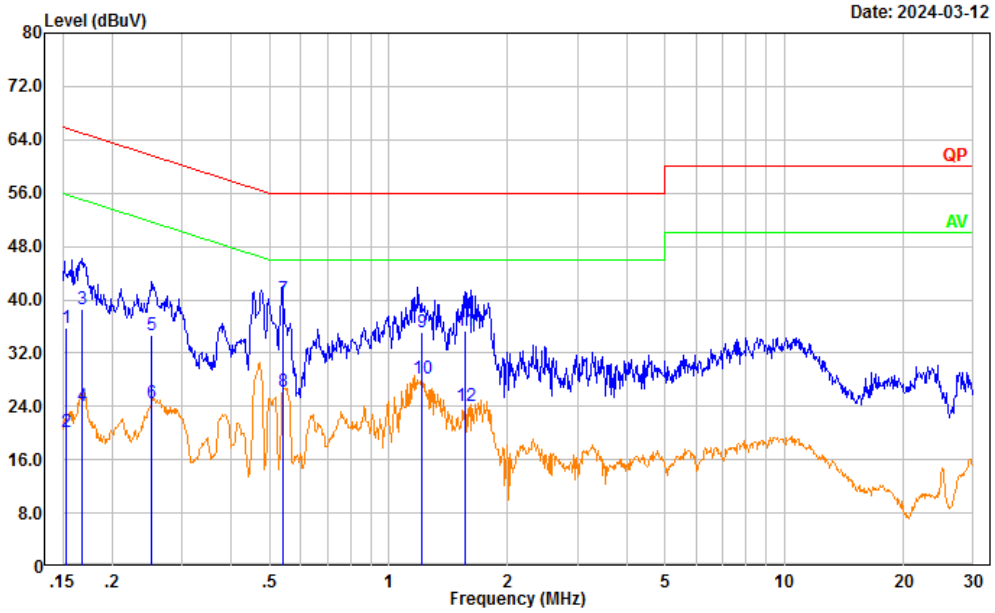
M3

Project No.: CR231058988-RF
Tester: David Huang
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.157	24.05	10.48	34.53	65.64	31.11	QP
2	0.157	10.04	10.48	20.52	55.64	35.12	Average
3	0.263	25.07	10.31	35.38	61.35	25.97	QP
4	0.263	15.94	10.31	26.25	51.35	25.10	Average
5	0.469	27.63	10.31	37.94	56.52	18.58	QP
6	0.469	21.03	10.31	31.34	46.52	15.18	Average
7	1.152	23.69	10.56	34.25	56.00	21.75	QP
8	1.152	16.12	10.56	26.68	46.00	19.32	Average
9	1.584	23.89	10.40	34.29	56.00	21.71	QP
10	1.584	12.43	10.40	22.83	46.00	23.17	Average
11	10.949	21.02	10.35	31.37	60.00	28.63	QP
12	10.949	9.83	10.35	20.18	50.00	29.82	Average

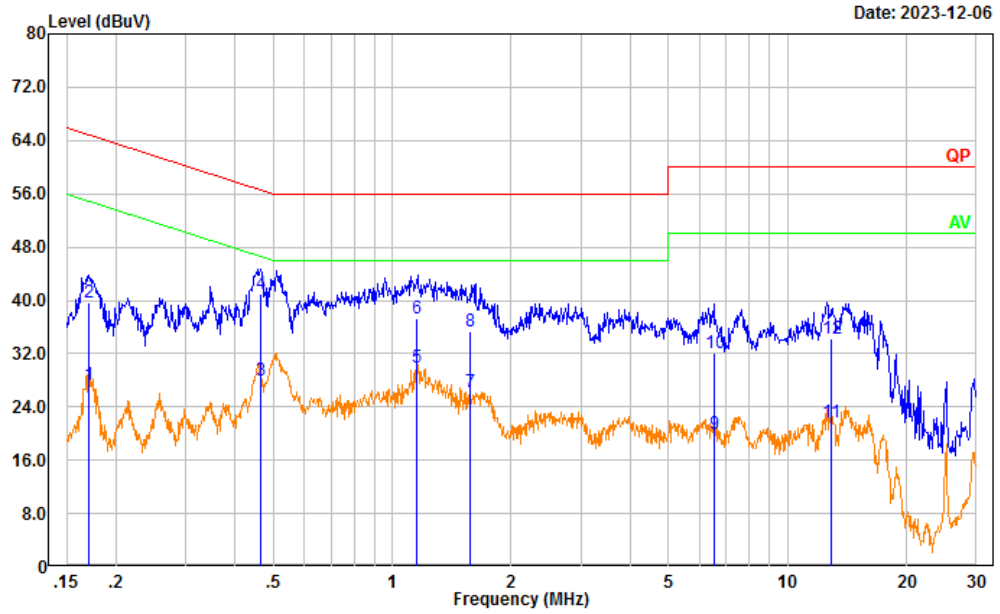
Project No.: CR231058988-RF
Tester: David Huang
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.154	26.25	9.61	35.86	65.81	29.95	QP
2	0.154	10.51	9.61	20.12	55.81	35.69	Average
3	0.168	29.06	9.61	38.67	65.08	26.41	QP
4	0.168	14.53	9.61	24.14	55.08	30.94	Average
5	0.252	24.97	9.61	34.58	61.68	27.10	QP
6	0.252	14.90	9.61	24.51	51.68	27.17	Average
7	0.539	30.47	9.61	40.08	56.00	15.92	QP
8	0.539	16.52	9.61	26.13	46.00	19.87	Average
9	1.214	25.52	9.62	35.14	56.00	20.86	QP
10	1.214	18.49	9.62	28.11	46.00	17.89	Average
11	1.560	25.65	9.63	35.28	56.00	20.72	QP
12	1.560	14.44	9.63	24.07	46.00	21.93	Average

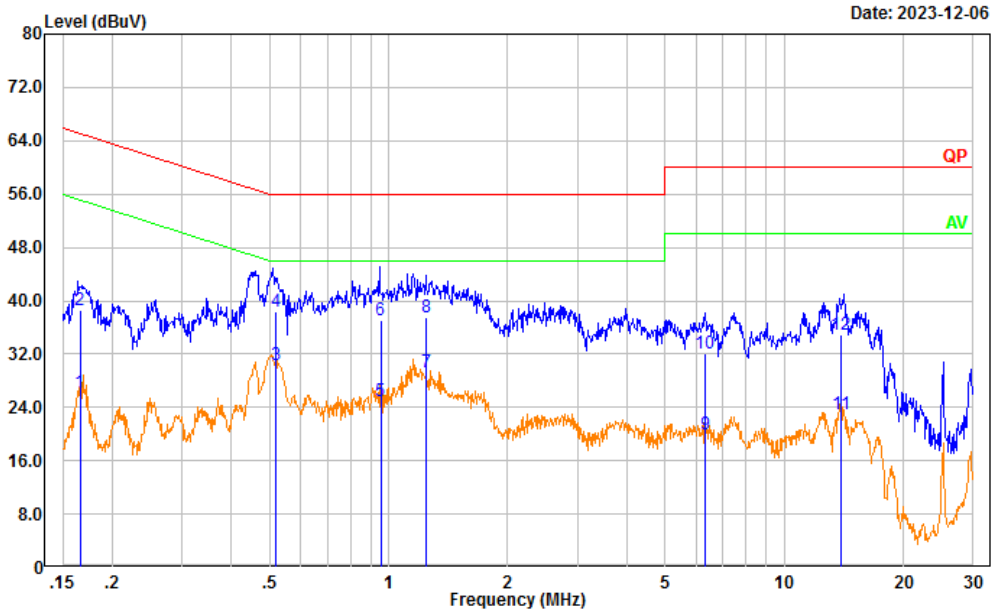
For 118-190MHz:
Receiving: worst case is M1, 189.9MHz

Project No.: CR231058988-RF
Tester: David Huang
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.170	17.77	9.61	27.38	54.94	27.56	Average
2	0.170	30.10	9.61	39.71	64.94	25.23	QP
3	0.466	18.36	9.61	27.97	46.58	18.61	Average
4	0.466	31.33	9.61	40.94	56.58	15.64	QP
5	1.156	20.39	9.62	30.01	46.00	15.99	Average
6	1.156	27.68	9.62	37.30	56.00	18.70	QP
7	1.577	16.62	9.63	26.25	46.00	19.75	Average
8	1.577	25.62	9.63	35.25	56.00	20.75	QP
9	6.520	10.29	9.66	19.95	50.00	30.05	Average
10	6.520	22.46	9.66	32.12	60.00	27.88	QP
11	12.851	11.95	9.68	21.63	50.00	28.37	Average
12	12.851	24.58	9.68	34.26	60.00	25.74	QP

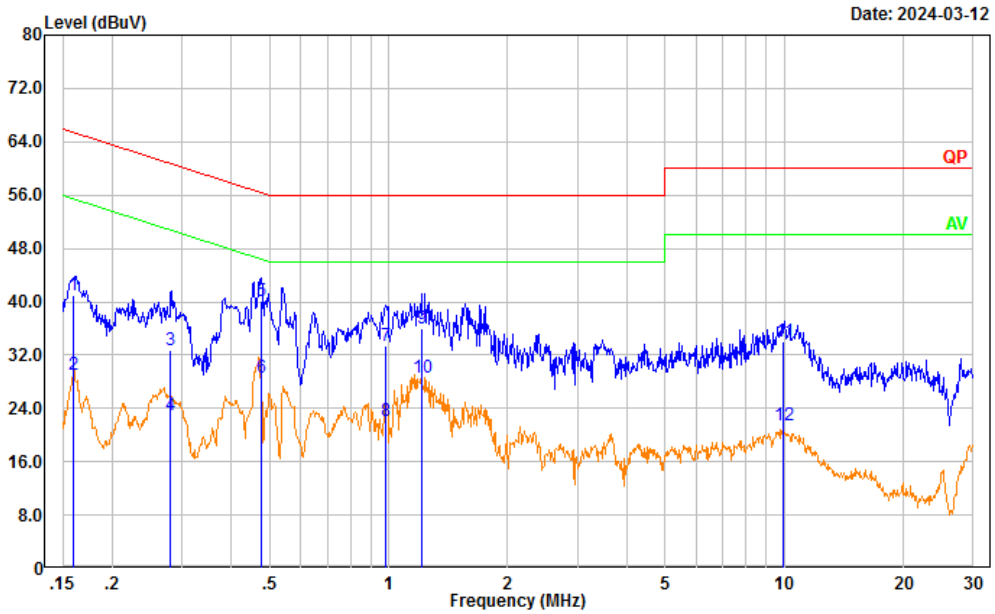
Project No.: CR231058988-RF
Tester: David Huang
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.166	16.73	9.61	26.34	55.17	28.83	Average
2	0.166	28.92	9.61	38.53	65.17	26.64	QP
3	0.518	20.68	9.61	30.29	46.00	15.71	Average
4	0.518	28.66	9.61	38.27	56.00	17.73	QP
5	0.954	15.34	9.62	24.96	46.00	21.04	Average
6	0.954	27.43	9.62	37.05	56.00	18.95	QP
7	1.239	19.62	9.62	29.24	46.00	16.76	Average
8	1.239	27.85	9.62	37.47	56.00	18.53	QP
9	6.284	10.33	9.66	19.99	50.00	30.01	Average
10	6.284	22.37	9.66	32.03	60.00	27.97	QP
11	13.853	13.30	9.68	22.98	50.00	27.02	Average
12	13.853	25.26	9.68	34.94	60.00	25.06	QP

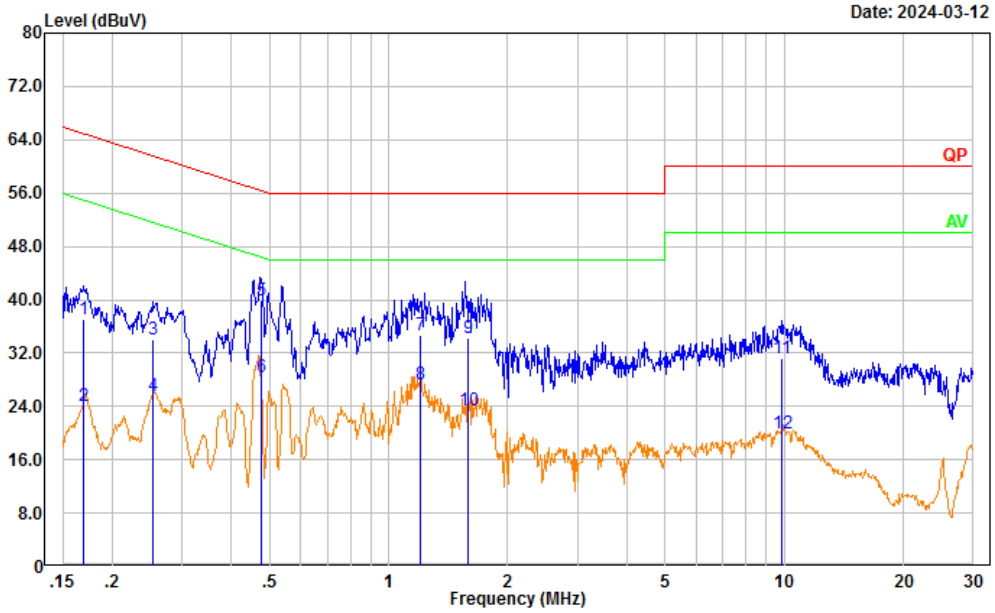
M3

Project No.: CR231058988-RF
Tester: David Huang
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.160	30.53	10.47	41.00	65.48	24.48	QP
2	0.160	18.51	10.47	28.98	55.48	26.50	Average
3	0.281	22.53	10.31	32.84	60.78	27.94	QP
4	0.281	12.68	10.31	22.99	50.78	27.79	Average
5	0.476	29.82	10.31	40.13	56.41	16.28	QP
6	0.476	18.37	10.31	28.68	46.41	17.73	Average
7	0.984	22.73	10.61	33.34	56.00	22.66	QP
8	0.984	11.60	10.61	22.21	46.00	23.79	Average
9	1.213	25.44	10.53	35.97	56.00	20.03	QP
10	1.213	18.10	10.53	28.63	46.00	17.37	Average
11	9.970	23.58	10.37	33.95	60.00	26.05	QP
12	9.970	11.20	10.37	21.57	50.00	28.43	Average

Project No.: CR231058988-RF
Tester: David Huang
Port: Neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.169	26.72	10.37	37.09	65.01	27.92	QP
2	0.169	13.70	10.37	24.07	55.01	30.94	Average
3	0.253	23.77	10.35	34.12	61.65	27.53	QP
4	0.253	15.21	10.35	25.56	51.65	26.09	Average
5	0.476	29.47	10.49	39.96	56.41	16.45	QP
6	0.476	17.86	10.49	28.35	46.41	18.06	Average
7	1.204	24.20	10.48	34.68	56.00	21.32	QP
8	1.204	16.90	10.48	27.38	46.00	18.62	Average
9	1.589	23.89	10.41	34.30	56.00	21.70	QP
10	1.589	12.90	10.41	23.31	46.00	22.69	Average
11	9.851	20.91	10.37	31.28	60.00	28.72	QP
12	9.851	9.52	10.37	19.89	50.00	30.11	Average

4.2 Radiation Spurious Emissions

Serial Number:	2C36-1	Test Date:	2024/1/23-2024/3/11
Test Site:	966-1, 966-2	Test Mode:	M1, M2, M3
Tester:	Vic Du, coco Tian, Mack Huang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	23.5~26	Relative Humidity: (%)	41~58	ATM Pressure: (kPa)	101.4~102.1

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
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
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2026/2/21
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/8	2024/11/7
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).*

Test Data:

Please refer to the below table and plots.

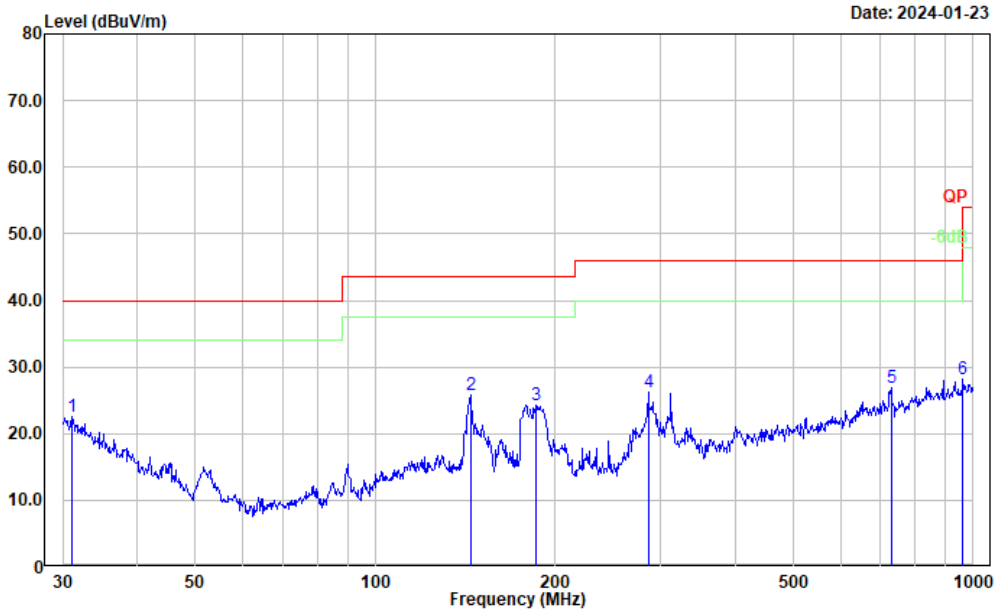
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

1) 30MHz-1GHz:

M1:

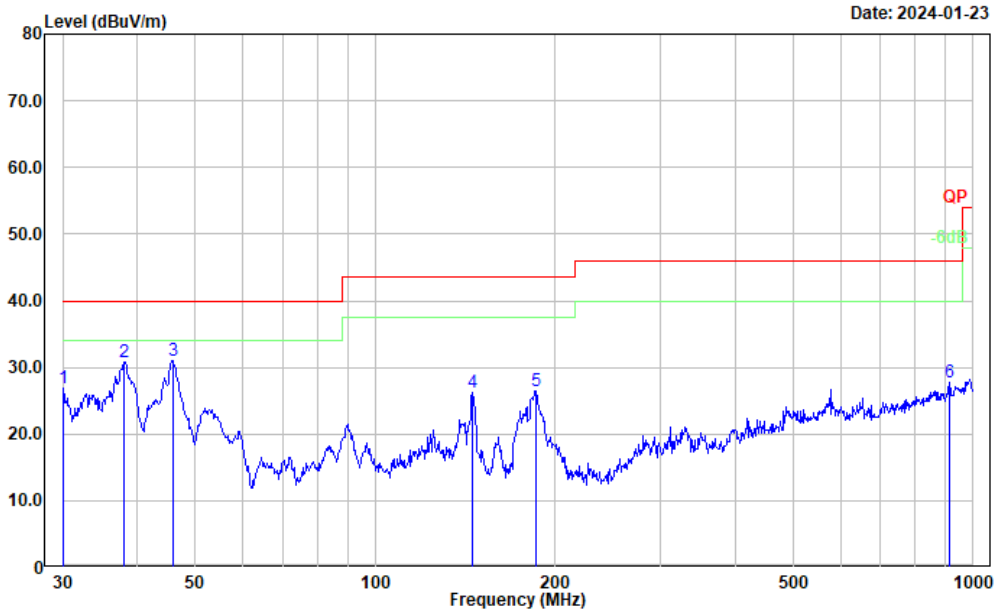
30.1MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	27.01	-4.52	22.49	40.00	17.51	Peak
2	144.335	37.84	-12.09	25.75	43.50	17.75	Peak
3	185.788	38.16	-13.78	24.38	43.50	19.12	Peak
4	285.978	36.89	-10.57	26.32	46.00	19.68	Peak
5	729.358	29.81	-2.85	26.96	46.00	19.04	Peak
6	962.162	27.12	1.09	28.21	54.00	25.79	Peak

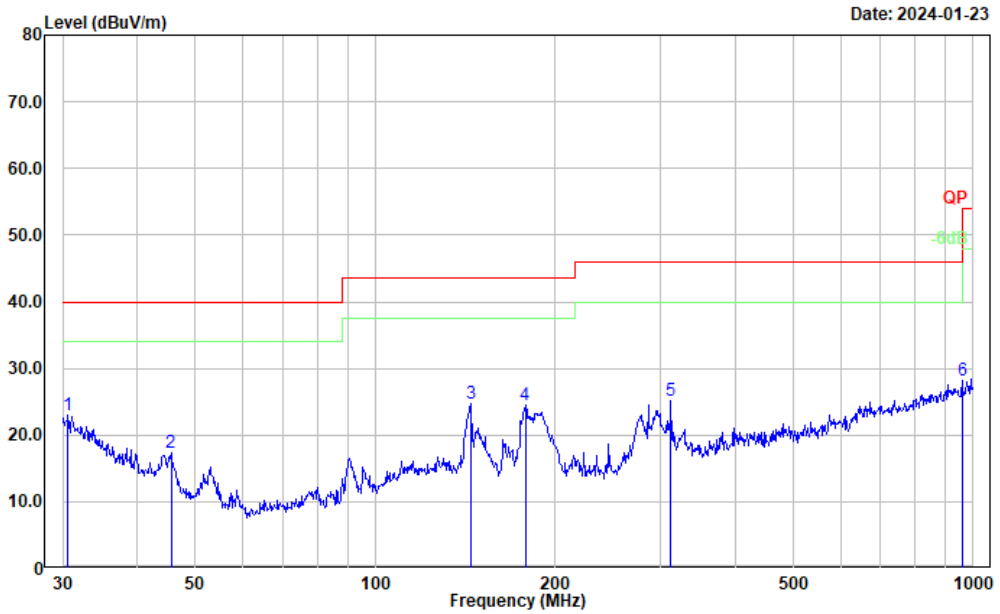
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	30.90	-3.93	26.97	40.00	13.03	Peak
2	38.078	40.69	-9.88	30.81	40.00	9.19	Peak
3	45.855	46.21	-15.21	31.00	40.00	9.00	Peak
4	145.351	38.29	-12.09	26.20	43.50	17.30	Peak
5	185.788	40.31	-13.78	26.53	43.50	16.97	Peak
6	912.862	27.26	0.43	27.69	46.00	18.31	Peak

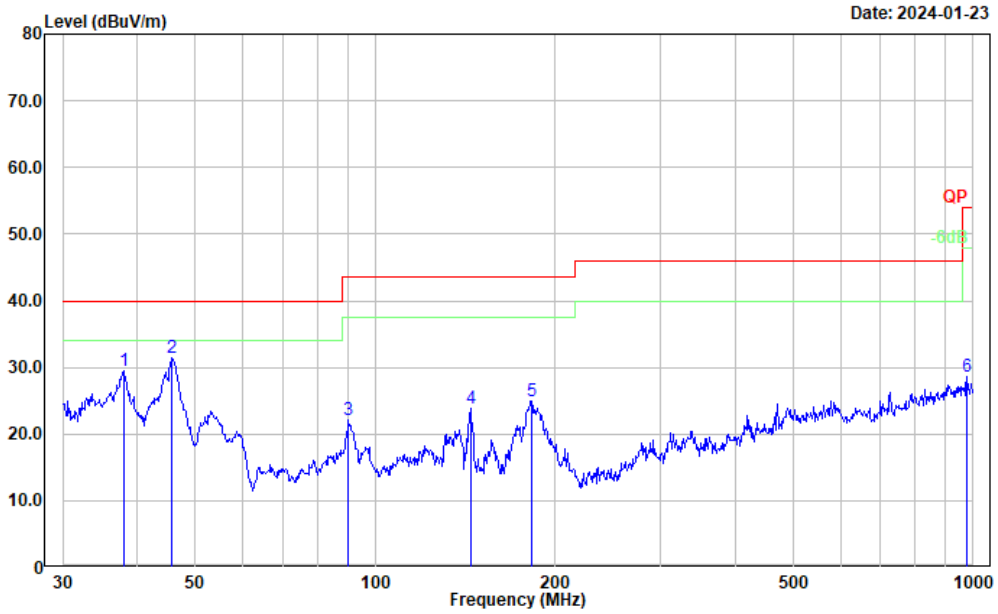
59MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	27.27	-4.24	23.03	40.00	16.97	Peak
2	45.535	32.38	-15.02	17.36	40.00	22.64	Peak
3	144.842	36.85	-12.09	24.76	43.50	18.74	Peak
4	178.133	37.86	-13.31	24.55	43.50	18.95	Peak
5	312.179	35.37	-10.16	25.21	46.00	20.79	Peak
6	958.794	27.03	1.06	28.09	46.00	17.91	Peak

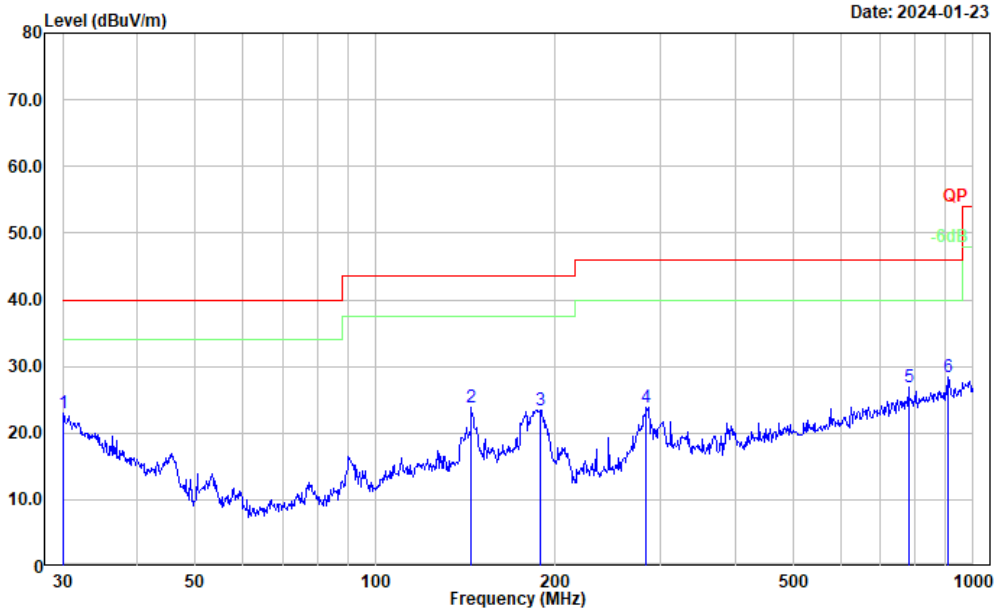
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	37.945	39.36	-9.78	29.58	40.00	10.42	Peak
2	45.695	46.58	-15.12	31.46	40.00	8.54	Peak
3	90.220	39.13	-17.00	22.13	43.50	21.37	Peak
4	144.335	35.86	-12.09	23.77	43.50	19.73	Peak
5	182.559	38.61	-13.64	24.97	43.50	18.53	Peak
6	975.753	27.26	1.38	28.64	54.00	25.36	Peak

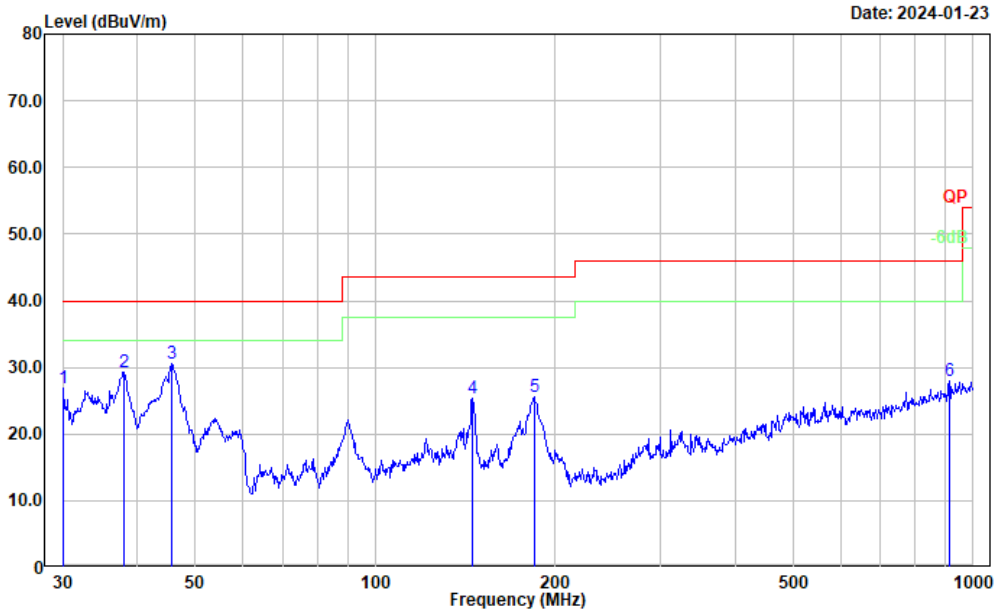
87.9MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	26.89	-3.93	22.96	40.00	17.04	Peak
2	144.842	35.96	-12.09	23.87	43.50	19.63	Peak
3	189.074	37.22	-13.74	23.48	43.50	20.02	Peak
4	283.979	34.64	-10.69	23.95	46.00	22.05	Peak
5	779.607	28.76	-1.93	26.83	46.00	19.17	Peak
6	909.667	27.97	0.42	28.39	46.00	17.61	Peak

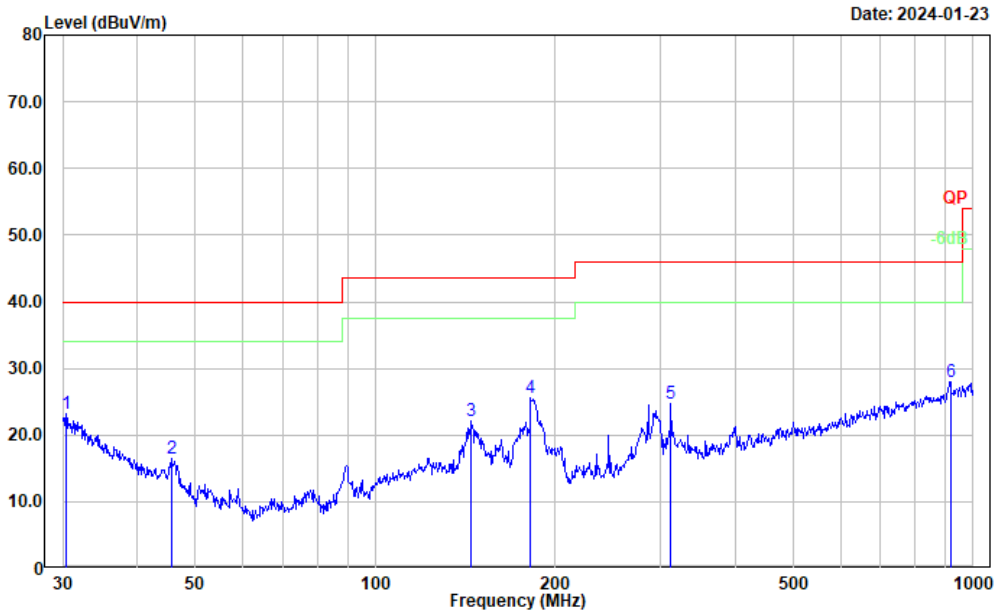
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	30.81	-3.87	26.94	40.00	13.06	Peak
2	37.945	39.14	-9.78	29.36	40.00	10.64	Peak
3	45.695	45.69	-15.12	30.57	40.00	9.43	Peak
4	145.351	37.54	-12.09	25.45	43.50	18.05	Peak
5	184.490	39.34	-13.78	25.56	43.50	17.94	Peak
6	912.862	27.46	0.43	27.89	46.00	18.11	Peak

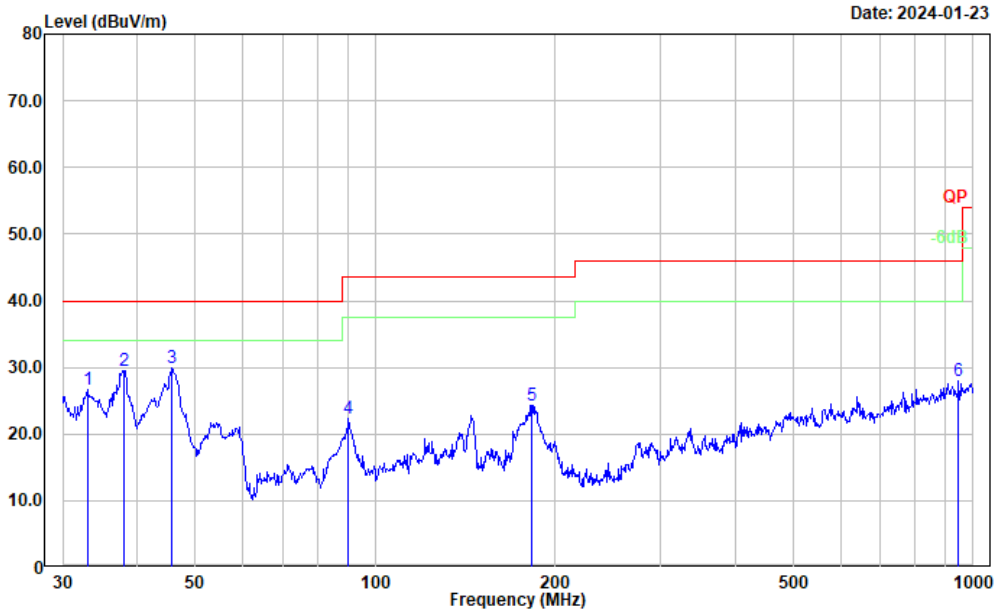
118.1MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.424	27.31	-4.12	23.19	40.00	16.81	Peak
2	45.535	31.45	-15.02	16.43	40.00	23.57	Peak
3	144.842	34.28	-12.09	22.19	43.50	21.31	Peak
4	181.920	39.06	-13.58	25.48	43.50	18.02	Peak
5	312.179	34.95	-10.16	24.79	46.00	21.21	Peak
6	916.069	27.51	0.46	27.97	46.00	18.03	Peak

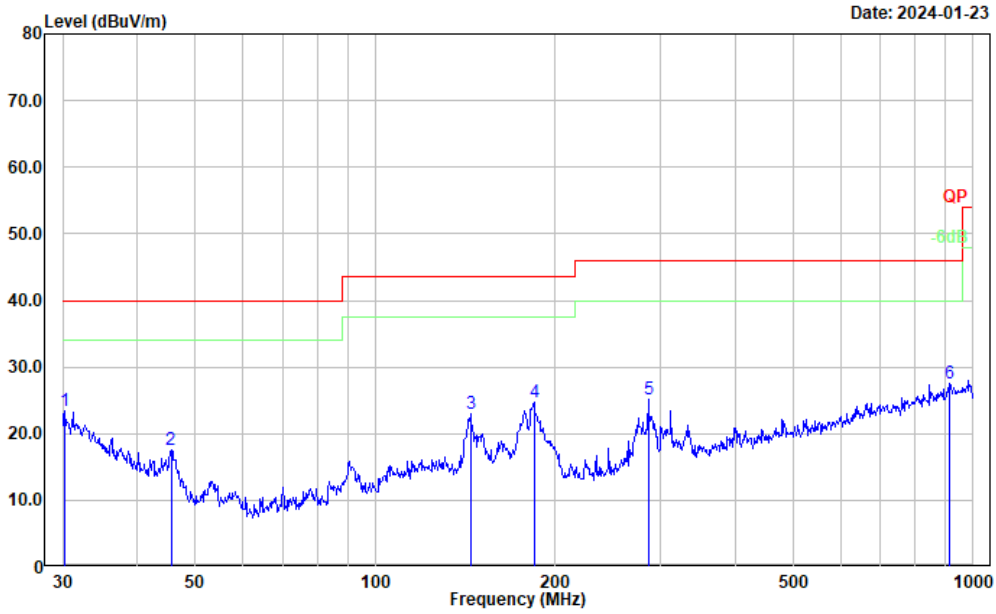
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.979	32.74	-6.04	26.70	40.00	13.30	Peak
2	37.945	39.37	-9.78	29.59	40.00	10.41	Peak
3	45.695	45.03	-15.12	29.91	40.00	10.09	Peak
4	90.220	39.34	-17.00	22.34	43.50	21.16	Peak
5	182.559	38.02	-13.64	24.38	43.50	19.12	Peak
6	945.440	27.12	0.77	27.89	46.00	18.11	Peak

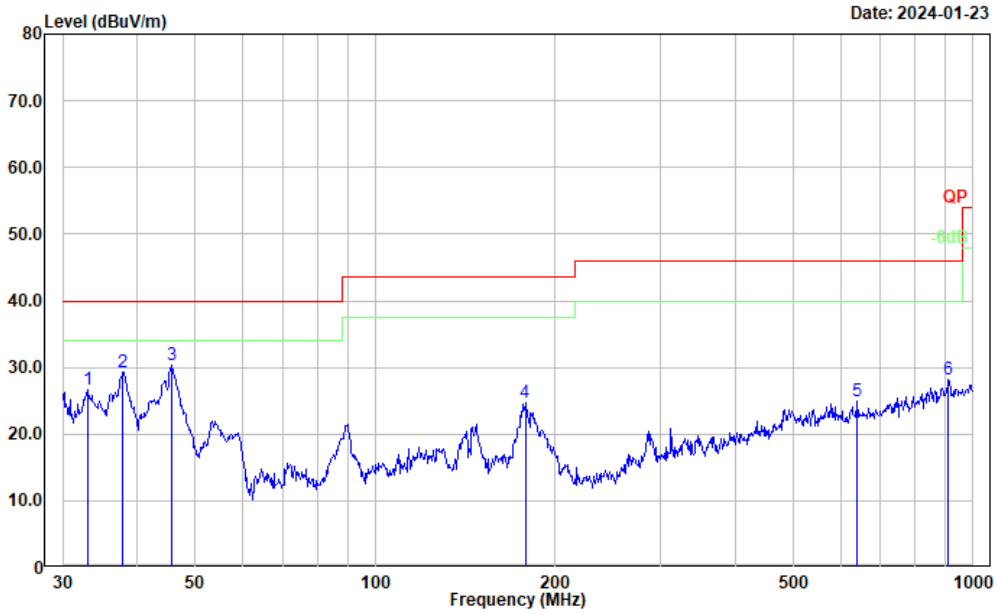
154MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.317	27.57	-4.06	23.51	40.00	16.49	Peak
2	45.535	32.48	-15.02	17.46	40.00	22.54	Peak
3	144.335	35.03	-12.09	22.94	43.50	20.56	Peak
4	184.490	38.54	-13.78	24.76	43.50	18.74	Peak
5	285.978	35.71	-10.57	25.14	46.00	20.86	Peak
6	912.862	27.03	0.43	27.46	46.00	18.54	Peak

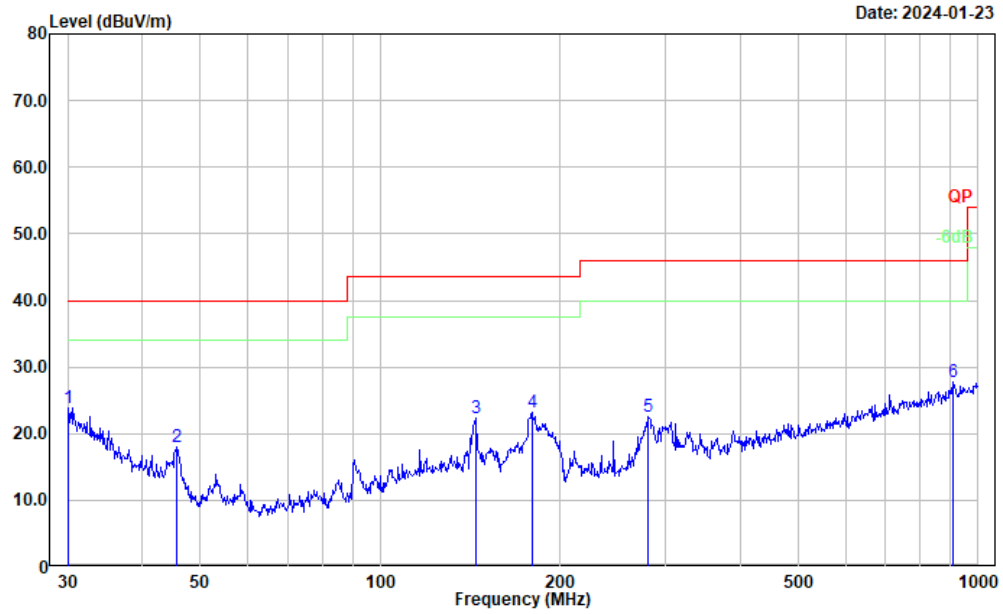
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.979	32.66	-6.04	26.62	40.00	13.38	Peak
2	37.812	38.95	-9.67	29.28	40.00	10.72	Peak
3	45.695	45.39	-15.12	30.27	40.00	9.73	Peak
4	178.133	37.93	-13.31	24.62	43.50	18.88	Peak
5	640.611	28.63	-3.74	24.89	46.00	21.11	Peak
6	909.667	27.70	0.42	28.12	46.00	17.88	Peak

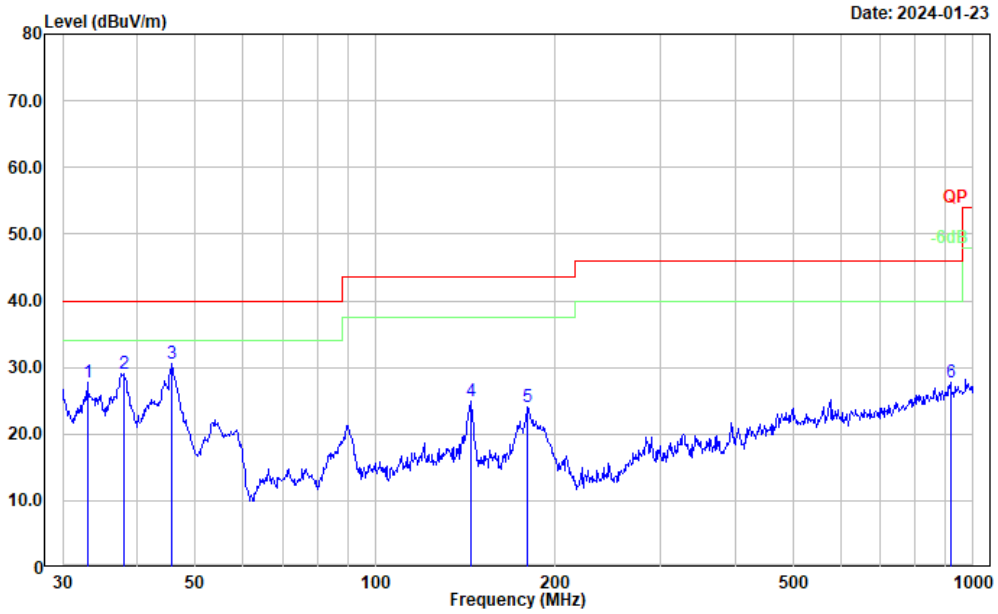
189.9MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	27.85	-3.93	23.92	40.00	16.08	Peak
2	45.695	33.19	-15.12	18.07	40.00	21.93	Peak
3	144.842	34.46	-12.09	22.37	43.50	21.13	Peak
4	179.386	36.65	-13.43	23.22	43.50	20.28	Peak
5	281.008	33.38	-10.84	22.54	46.00	23.46	Peak
6	909.667	27.37	0.42	27.79	46.00	18.21	Peak

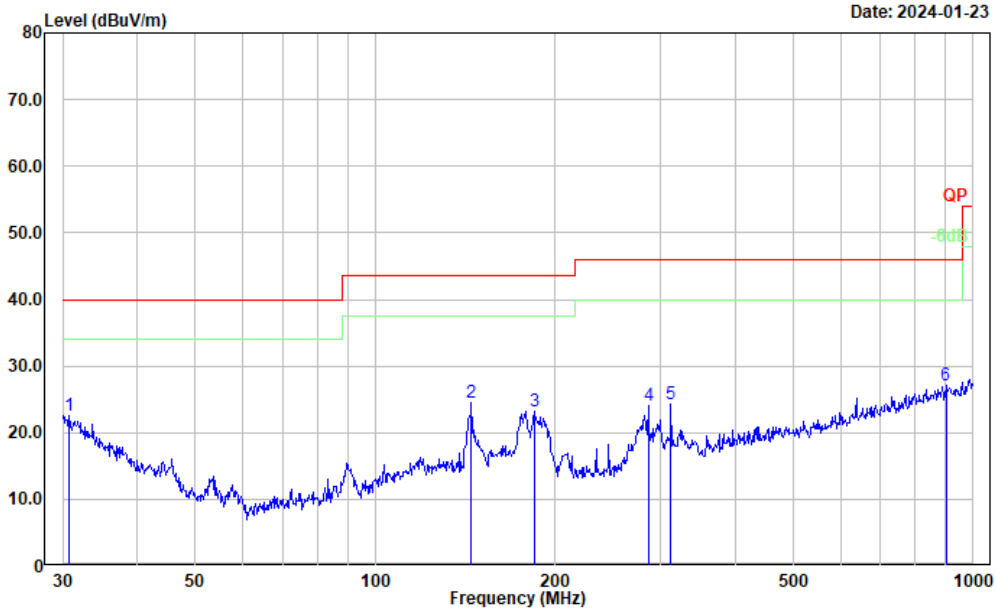
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	32.979	33.74	-6.04	27.70	40.00	12.30	Peak
2	37.945	38.81	-9.78	29.03	40.00	10.97	Peak
3	45.695	45.76	-15.12	30.64	40.00	9.36	Peak
4	144.842	36.93	-12.09	24.84	43.50	18.66	Peak
5	180.017	37.50	-13.49	24.01	43.50	19.49	Peak
6	916.069	27.28	0.46	27.74	46.00	18.26	Peak

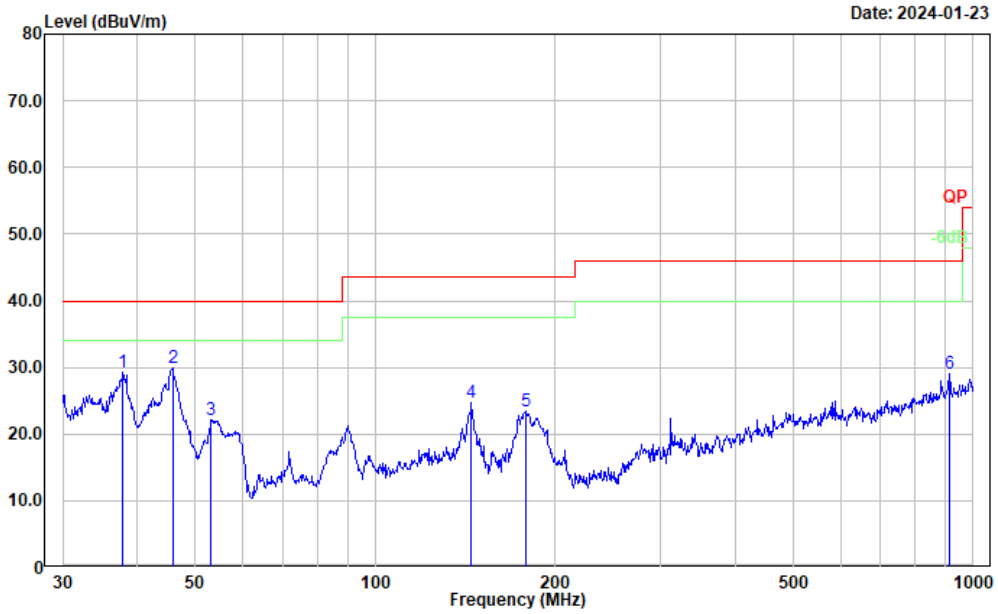
M2:
30.1MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.745	26.80	-4.31	22.49	40.00	17.51	Peak
2	144.842	36.55	-12.09	24.46	43.50	19.04	Peak
3	184.490	36.99	-13.78	23.21	43.50	20.29	Peak
4	285.978	34.65	-10.57	24.08	46.00	21.92	Peak
5	312.179	34.55	-10.16	24.39	46.00	21.61	Peak
6	900.147	27.18	0.00	27.18	46.00	18.82	Peak

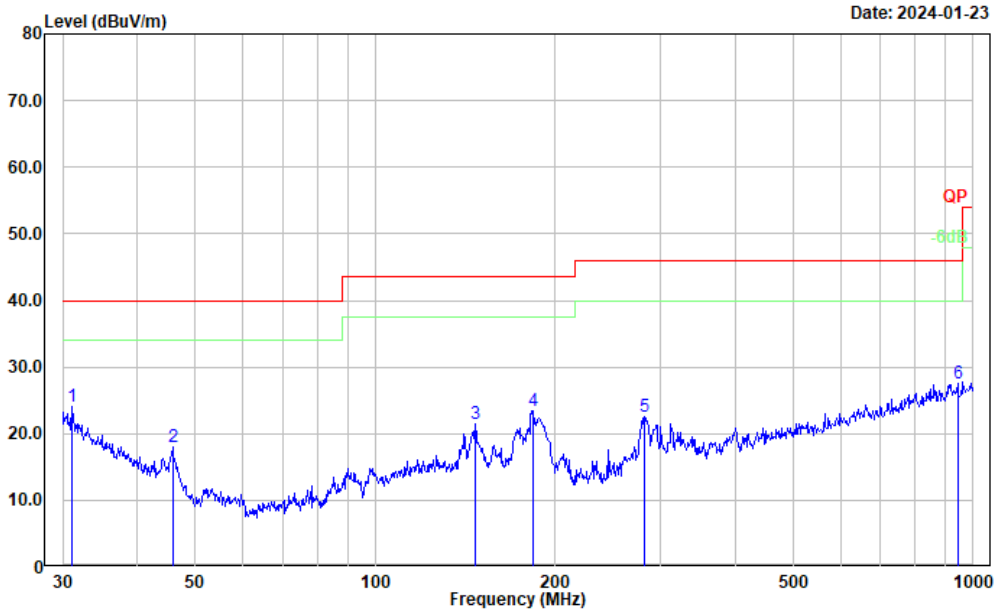
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	37.812	38.89	-9.67	29.22	40.00	10.78	Peak
2	45.855	45.07	-15.21	29.86	40.00	10.14	Peak
3	53.131	39.79	-17.57	22.22	40.00	17.78	Peak
4	144.842	36.85	-12.09	24.76	43.50	18.74	Peak
5	178.758	36.82	-13.37	23.45	43.50	20.05	Peak
6	912.862	28.53	0.43	28.96	46.00	17.04	Peak

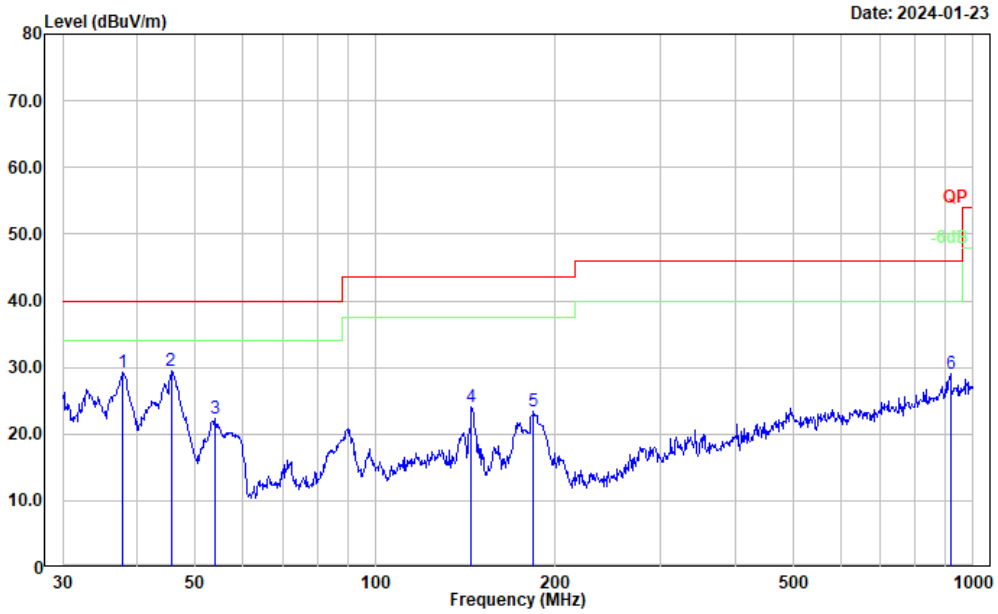
59MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	28.65	-4.52	24.13	40.00	15.87	Peak
2	45.855	33.21	-15.21	18.00	40.00	22.00	Peak
3	146.888	33.60	-12.09	21.51	43.50	21.99	Peak
4	183.844	37.20	-13.76	23.44	43.50	20.06	Peak
5	281.995	33.27	-10.79	22.48	46.00	23.52	Peak
6	942.131	26.73	0.82	27.55	46.00	18.45	Peak

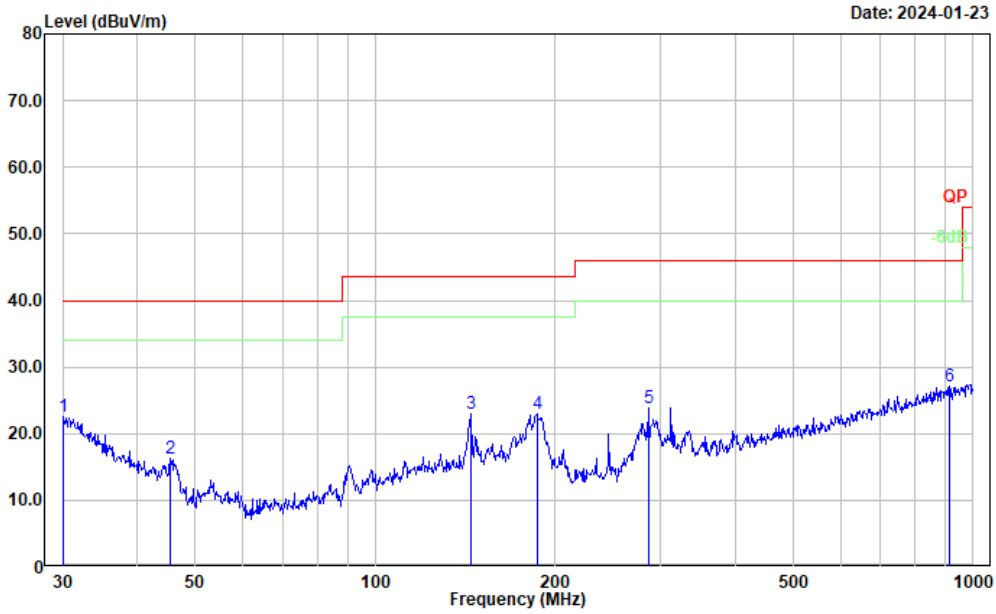
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	37.812	38.92	-9.67	29.25	40.00	10.75	Peak
2	45.535	44.50	-15.02	29.48	40.00	10.52	Peak
3	54.071	39.89	-17.66	22.23	40.00	17.77	Peak
4	144.842	36.15	-12.09	24.06	43.50	19.44	Peak
5	183.844	37.14	-13.76	23.38	43.50	20.12	Peak
6	916.069	28.64	0.46	29.10	46.00	16.90	Peak

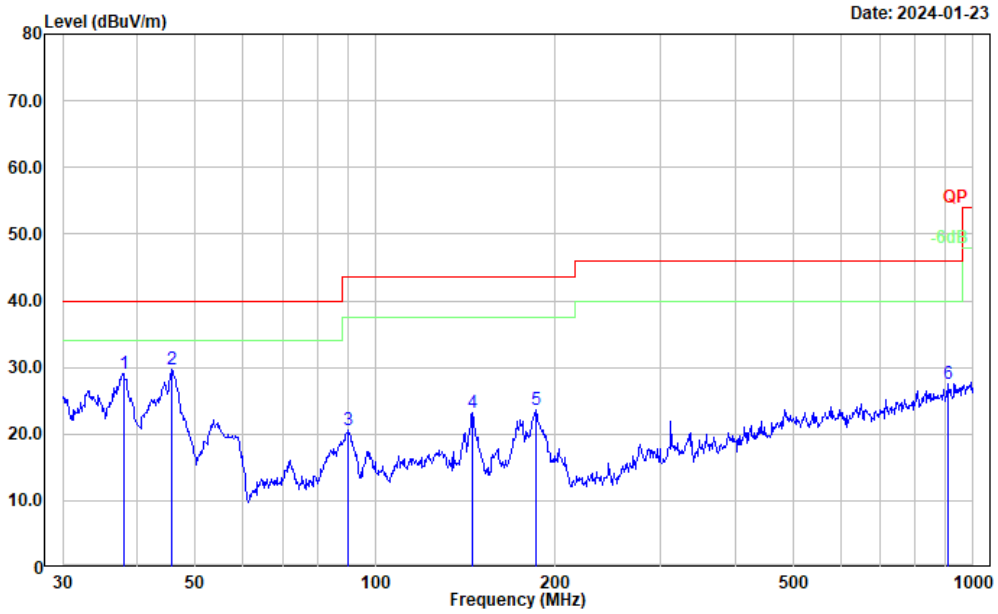
87.9MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	26.46	-3.87	22.59	40.00	17.41	Peak
2	45.375	31.09	-14.93	16.16	40.00	23.84	Peak
3	144.842	35.17	-12.09	23.08	43.50	20.42	Peak
4	186.441	36.68	-13.78	22.90	43.50	20.60	Peak
5	285.978	34.52	-10.57	23.95	46.00	22.05	Peak
6	912.862	26.69	0.43	27.12	46.00	18.88	Peak

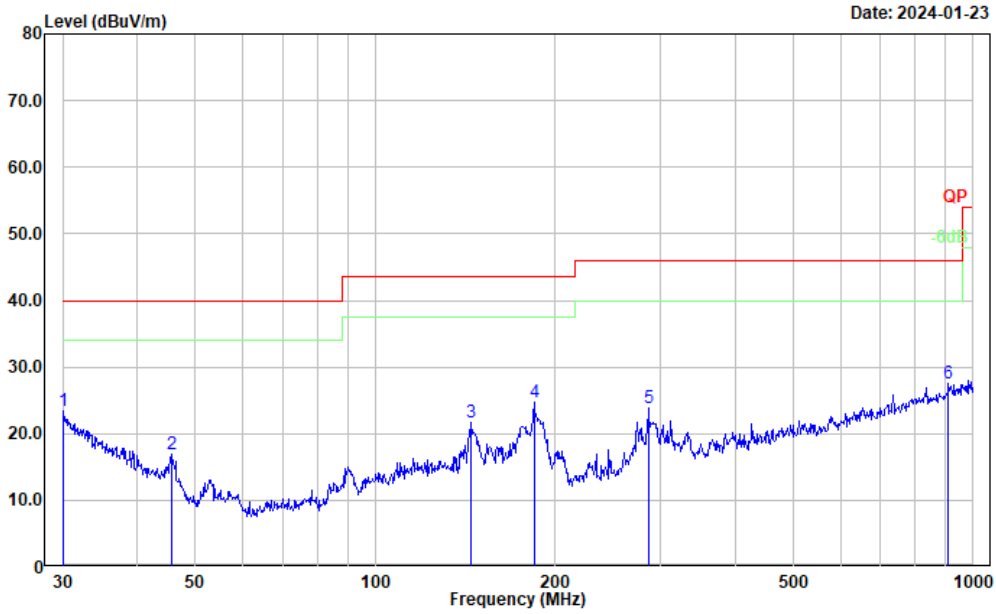
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	37.945	38.90	-9.78	29.12	40.00	10.88	Peak
2	45.695	44.75	-15.12	29.63	40.00	10.37	Peak
3	90.220	37.54	-17.00	20.54	43.50	22.96	Peak
4	145.351	35.38	-12.09	23.29	43.50	20.21	Peak
5	185.788	37.39	-13.78	23.61	43.50	19.89	Peak
6	909.667	27.14	0.42	27.56	46.00	18.44	Peak

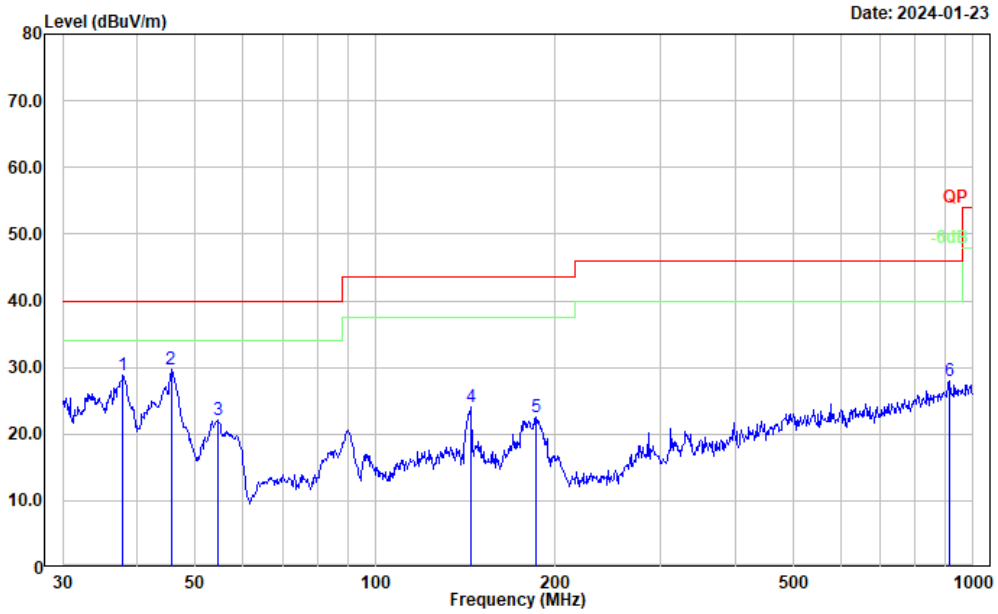
118.1MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	27.38	-3.93	23.45	40.00	16.55	Peak
2	45.695	32.12	-15.12	17.00	40.00	23.00	Peak
3	144.842	33.85	-12.09	21.76	43.50	21.74	Peak
4	184.490	38.50	-13.78	24.72	43.50	18.78	Peak
5	285.978	34.39	-10.57	23.82	46.00	22.18	Peak
6	909.667	27.15	0.42	27.57	46.00	18.43	Peak

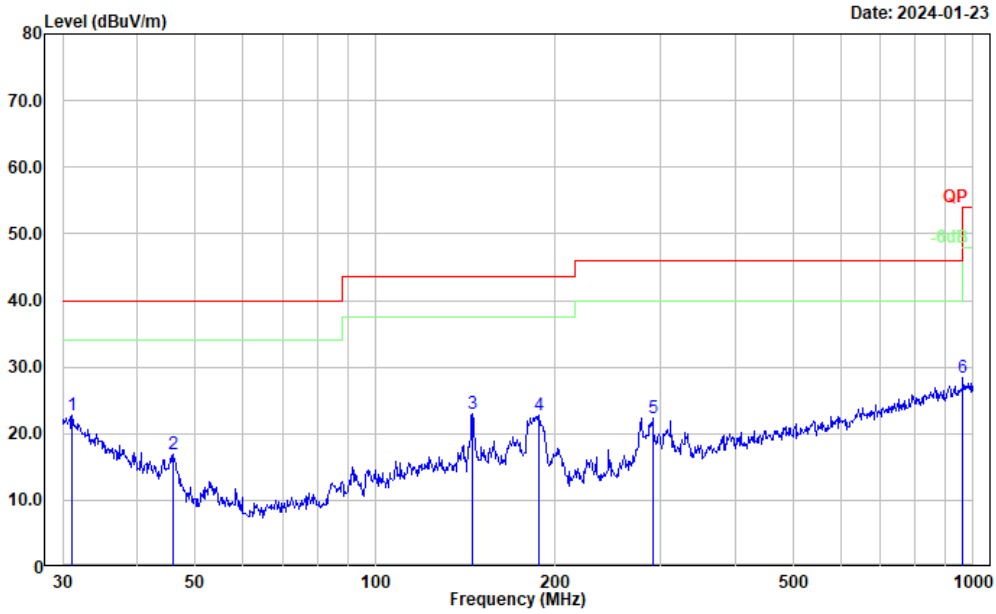
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	37.812	38.53	-9.67	28.86	40.00	11.14	Peak
2	45.535	44.64	-15.02	29.62	40.00	10.38	Peak
3	54.643	39.80	-17.71	22.09	40.00	17.91	Peak
4	144.335	36.13	-12.09	24.04	43.50	19.46	Peak
5	185.788	36.33	-13.78	22.55	43.50	20.95	Peak
6	912.862	27.61	0.43	28.04	46.00	17.96	Peak

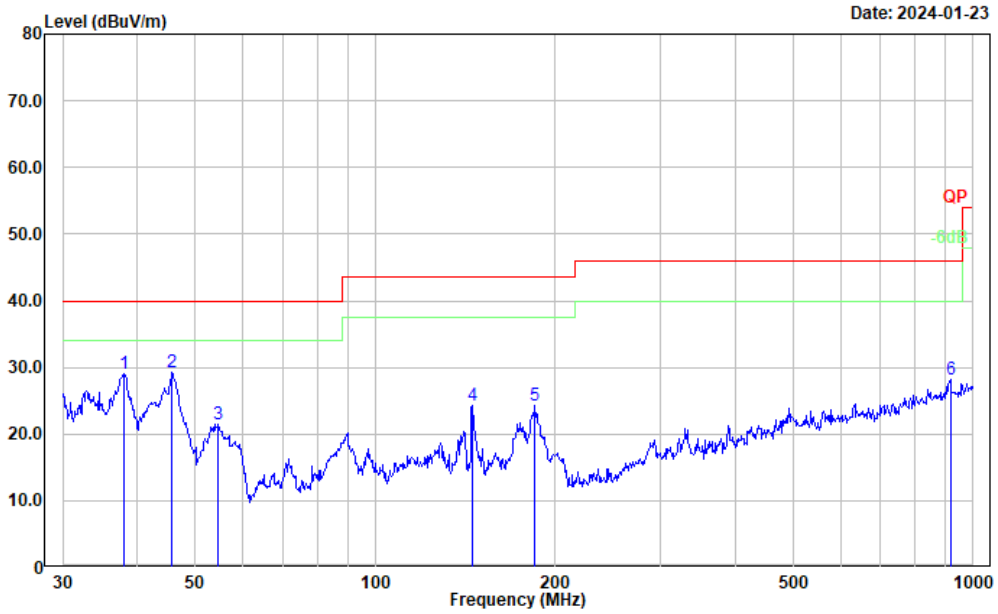
154MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	27.19	-4.52	22.67	40.00	17.33	Peak
2	46.016	32.25	-15.31	16.94	40.00	23.06	Peak
3	145.351	35.08	-12.09	22.99	43.50	20.51	Peak
4	187.753	36.45	-13.77	22.68	43.50	20.82	Peak
5	291.036	32.57	-10.31	22.26	46.00	23.74	Peak
6	962.162	27.28	1.09	28.37	54.00	25.63	Peak

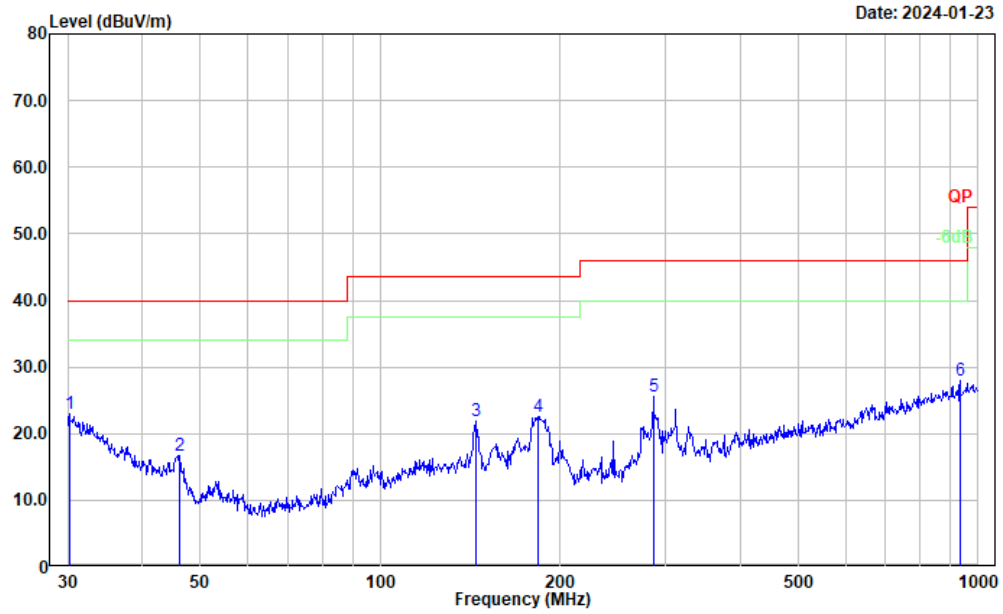
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	37.945	38.73	-9.78	28.95	40.00	11.05	Peak
2	45.695	44.41	-15.12	29.29	40.00	10.71	Peak
3	54.643	39.19	-17.71	21.48	40.00	18.52	Peak
4	145.351	36.35	-12.09	24.26	43.50	19.24	Peak
5	185.138	37.96	-13.78	24.18	43.50	19.32	Peak
6	916.069	27.76	0.46	28.22	46.00	17.78	Peak

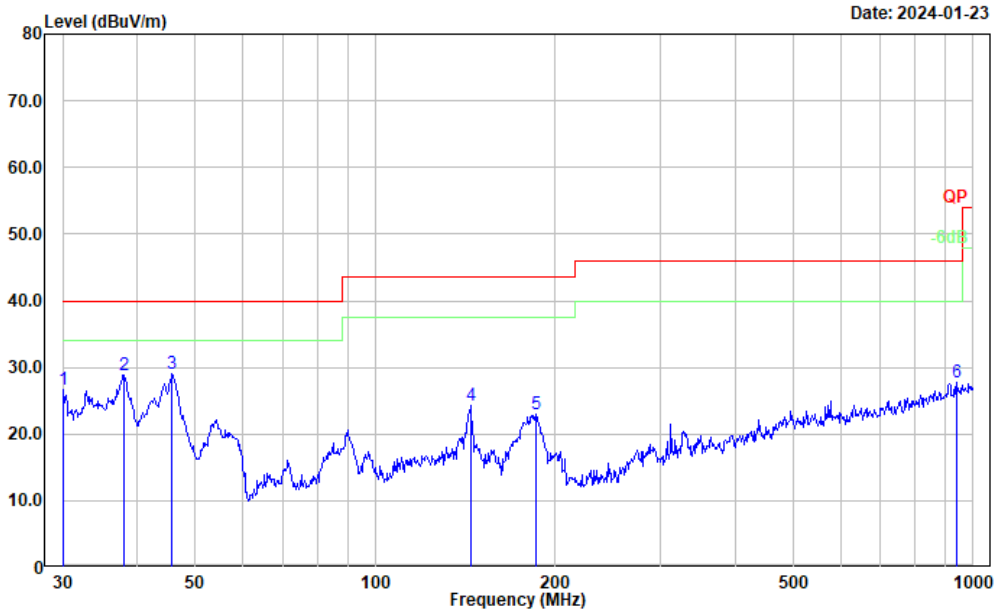
189.9MHz:

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.211	26.90	-4.00	22.90	40.00	17.10	Peak
2	46.178	32.15	-15.42	16.73	40.00	23.27	Peak
3	144.842	33.89	-12.09	21.80	43.50	21.70	Peak
4	183.844	36.37	-13.76	22.61	43.50	20.89	Peak
5	285.978	36.06	-10.57	25.49	46.00	20.51	Peak
6	932.272	27.29	0.61	27.90	46.00	18.10	Peak

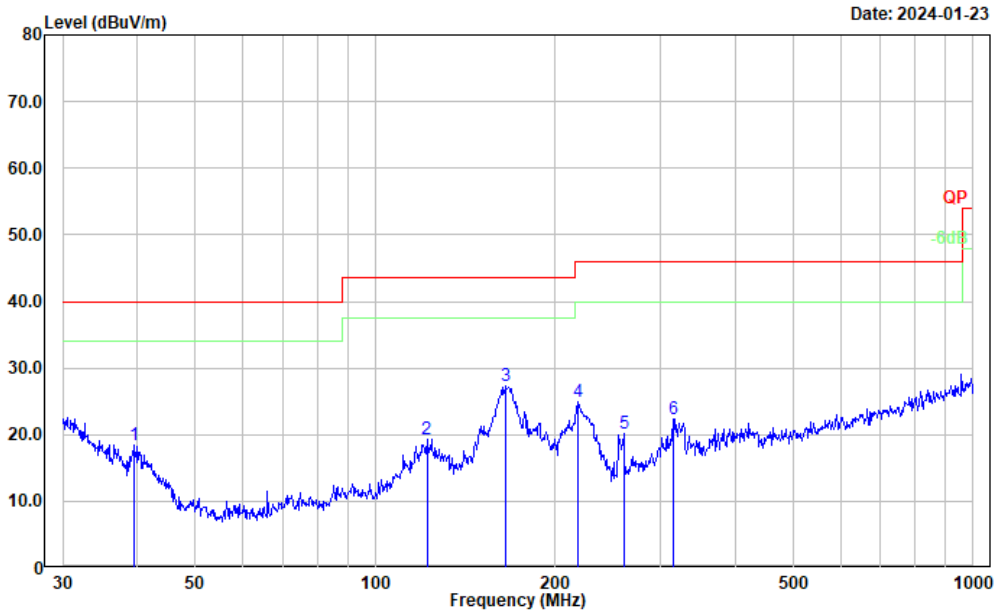
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Operating



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	30.55	-3.93	26.62	40.00	13.38	Peak
2	37.945	38.61	-9.78	28.83	40.00	11.17	Peak
3	45.695	44.27	-15.12	29.15	40.00	10.85	Peak
4	144.335	36.36	-12.09	24.27	43.50	19.23	Peak
5	185.788	36.83	-13.78	23.05	43.50	20.45	Peak
6	938.833	27.04	0.82	27.86	46.00	18.14	Peak

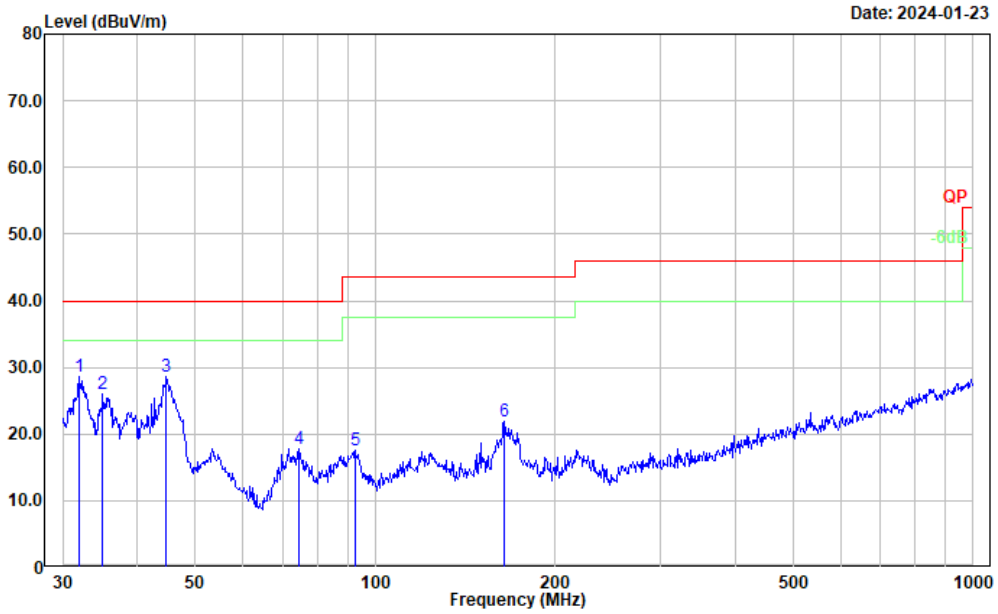
M3
30-88MHz

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Scanning(30-88MHz)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	39.437	29.33	-10.84	18.49	40.00	21.51	Peak
2	121.976	30.26	-10.90	19.36	43.50	24.14	Peak
3	164.908	39.58	-12.23	27.35	43.50	16.15	Peak
4	218.309	38.76	-13.74	25.02	46.00	20.98	Peak
5	260.144	31.88	-11.81	20.07	46.00	25.93	Peak
6	314.377	32.48	-10.10	22.38	46.00	23.62	Peak

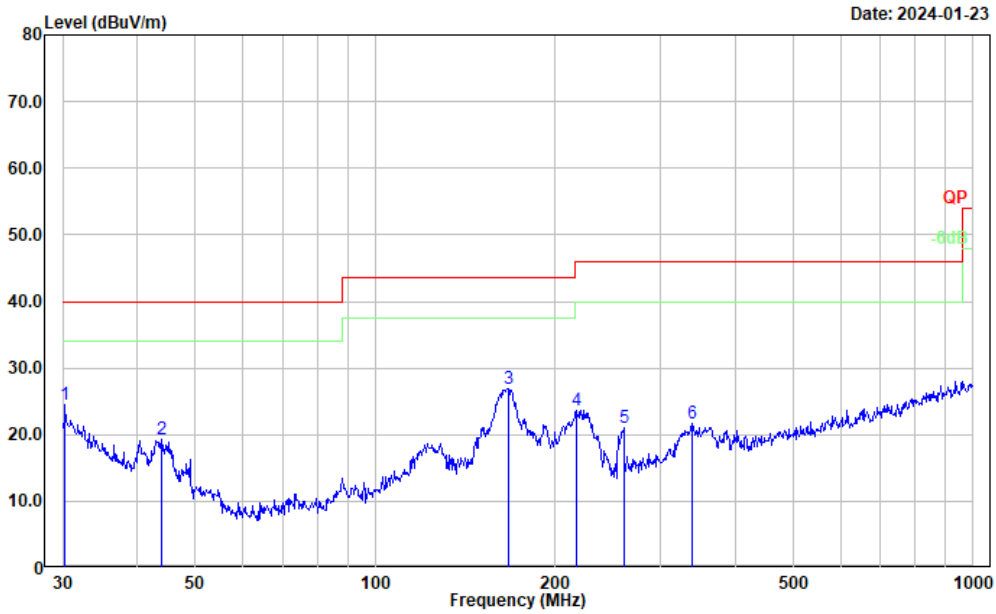
Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Scanning(30-88MHz)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.955	33.85	-5.22	28.63	40.00	11.37	Peak
2	35.005	33.44	-7.45	25.99	40.00	14.01	Peak
3	44.743	43.14	-14.55	28.59	40.00	11.41	Peak
4	74.657	35.06	-17.18	17.88	40.00	22.12	Peak
5	92.462	33.99	-16.52	17.47	43.50	26.03	Peak
6	164.330	34.09	-12.18	21.91	43.50	21.59	Peak

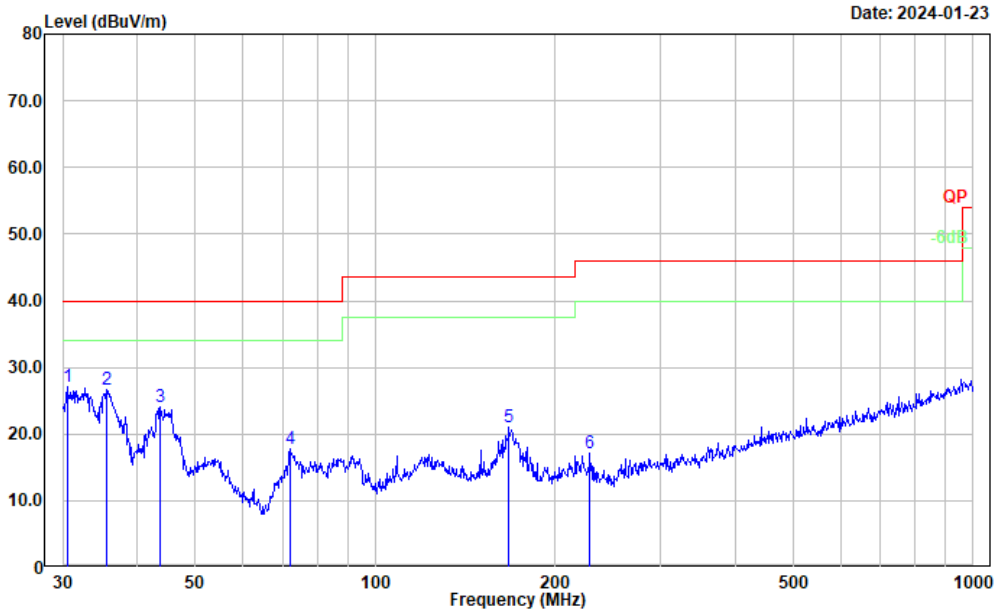
118-190MHz

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: horizontal
Note: Scanning(118-190MHz)



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.317	28.61	-4.06	24.55	40.00	15.45	Peak
2	43.812	33.33	-13.99	19.34	40.00	20.66	Peak
3	166.651	39.19	-12.30	26.89	43.50	16.61	Peak
4	217.544	37.47	-13.77	23.70	46.00	22.30	Peak
5	260.144	32.86	-11.81	21.05	46.00	24.95	Peak
6	338.400	31.43	-9.71	21.72	46.00	24.28	Peak

Project No.: CR231058988-RF
Tester: Vic Du
Polarization: vertical
Note: Scanning(118-190MHz)



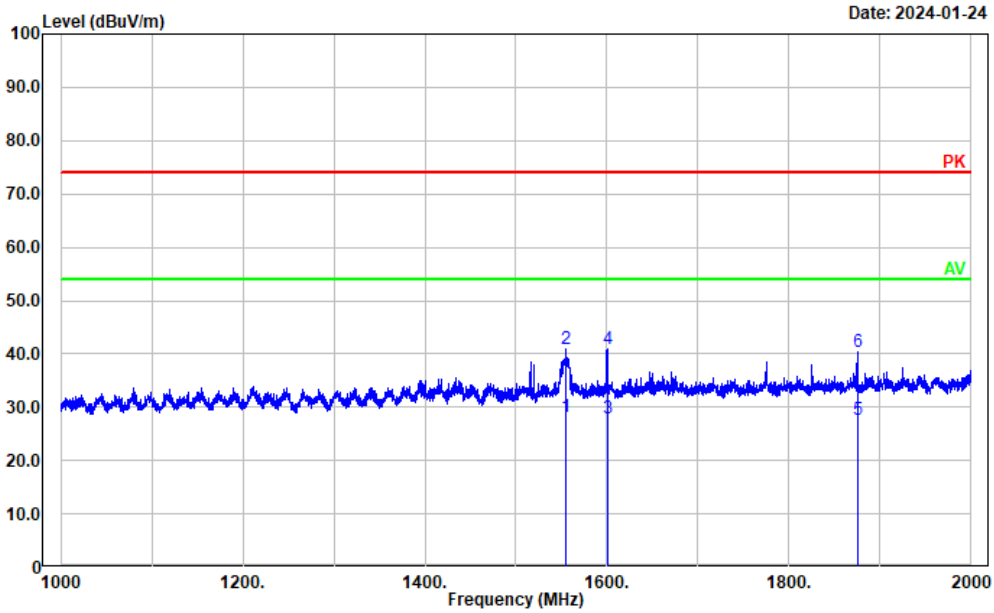
No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	31.36	-4.18	27.18	40.00	12.82	Peak
2	35.624	34.61	-7.88	26.73	40.00	13.27	Peak
3	43.659	37.91	-13.90	24.01	40.00	15.99	Peak
4	72.084	35.04	-17.18	17.86	40.00	22.14	Peak
5	167.237	33.34	-12.35	20.99	43.50	22.51	Peak
6	228.490	30.39	-13.30	17.09	46.00	28.91	Peak

2) Above 1GHz:

M1, 59MHz:

Horizontal

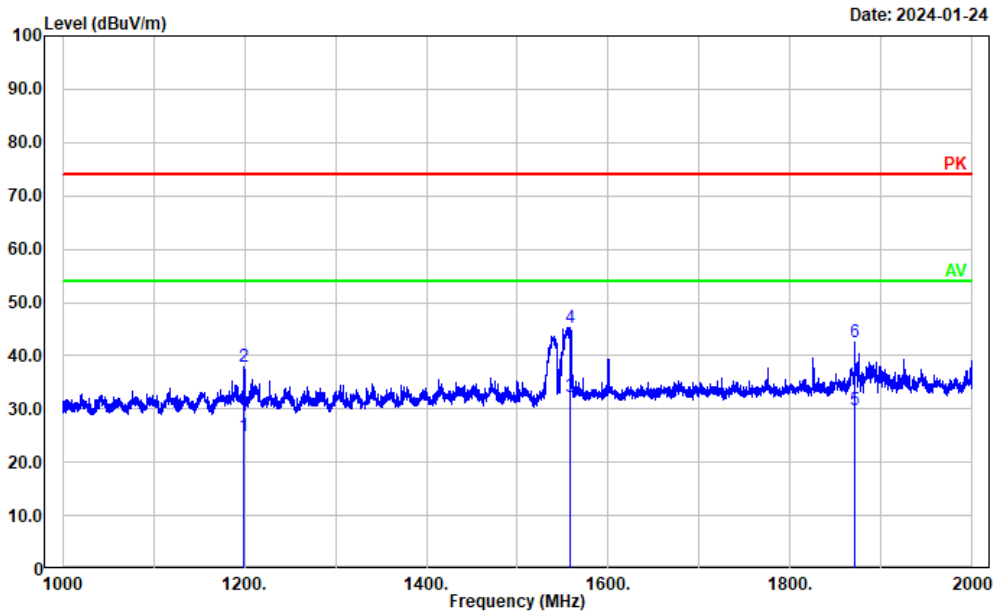
Project No.: CR231058988-RF
Tester: coco Tian
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1554.311	28.63	-0.48	28.15	54.00	25.85	Average
2	1554.311	41.48	-0.48	41.00	74.00	33.00	Peak
3	1600.120	28.24	-0.21	28.03	54.00	25.97	Average
4	1600.120	41.20	-0.21	40.99	74.00	33.01	Peak
5	1874.975	26.77	0.87	27.64	54.00	26.36	Average
6	1874.975	39.57	0.87	40.44	74.00	33.56	Peak

Vertical

Project No.: CR231058988-RF
Tester: coco Tian
Polarization: vertical
Note:

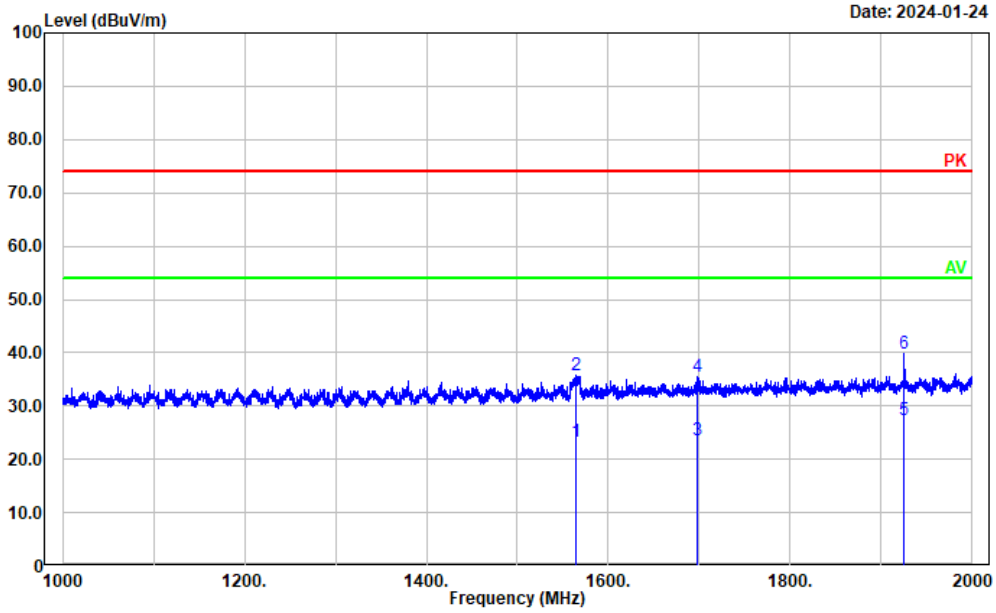


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1199.840	26.24	-1.23	25.01	54.00	28.99	Average
2	1199.840	39.21	-1.23	37.98	74.00	36.02	Peak
3	1558.312	32.80	-0.46	32.34	54.00	21.66	Average
4	1558.312	45.66	-0.46	45.20	74.00	28.80	Peak
5	1870.974	29.02	0.86	29.88	54.00	24.12	Average
6	1870.974	41.57	0.86	42.43	74.00	31.57	Peak

M1, 189.9MHz:

Horizontal

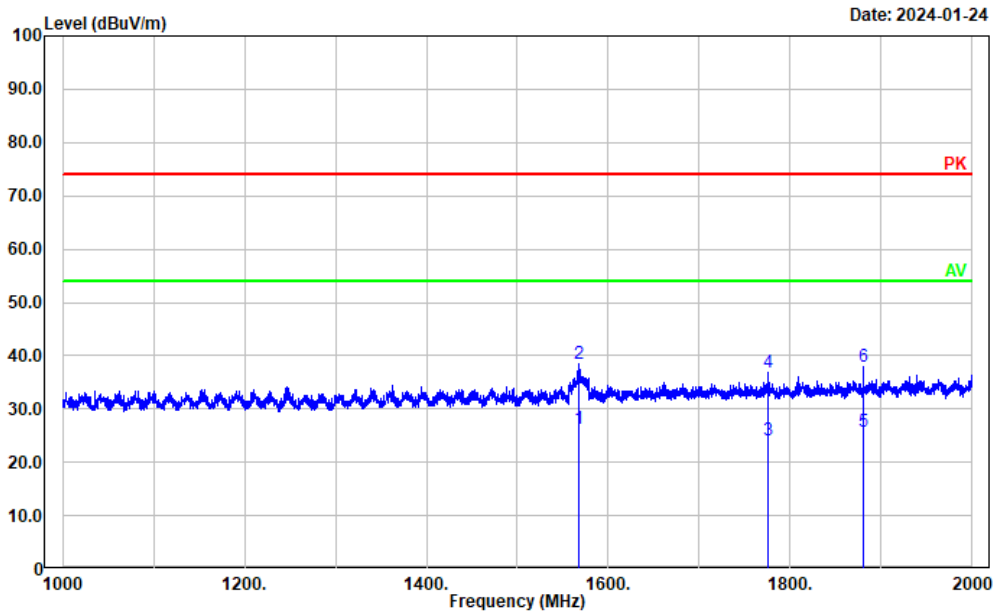
Project No.: CR231058988-RF
Tester: Mack Huang
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1564.513	23.82	-0.43	23.39	54.00	30.61	Average
2	1564.513	36.27	-0.43	35.84	74.00	38.16	Peak
3	1698.340	23.42	0.13	23.55	54.00	30.45	Average
4	1698.340	35.44	0.13	35.57	74.00	38.43	Peak
5	1925.385	26.36	1.09	27.45	54.00	26.55	Average
6	1925.385	38.78	1.09	39.87	74.00	34.13	Peak

Vertical

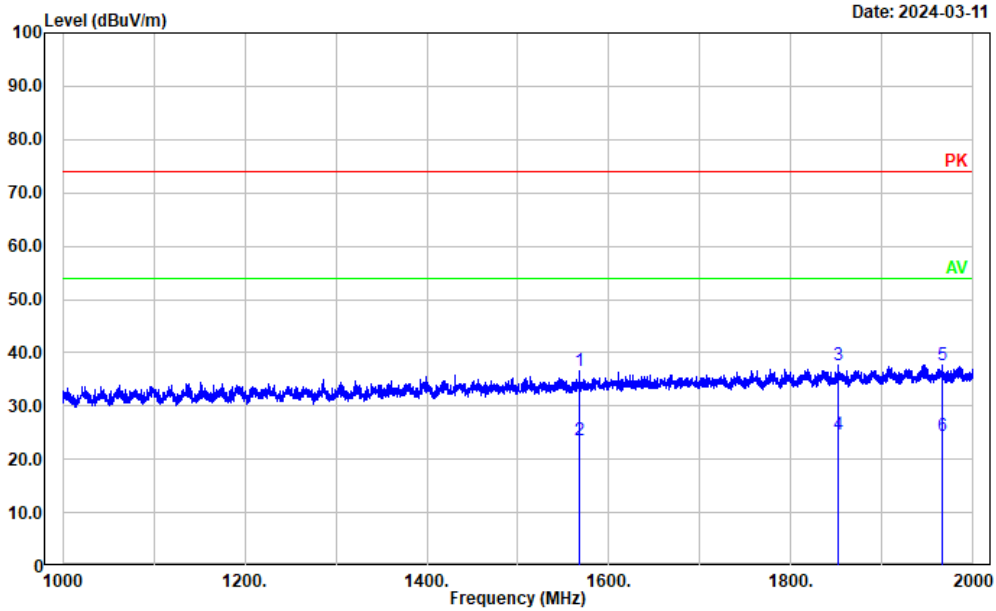
Project No.: CR231058988-RF
Tester: Mack Huang
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1567.714	26.75	-0.41	26.34	54.00	27.66	Average
2	1567.714	38.89	-0.41	38.48	74.00	35.52	Peak
3	1776.155	23.68	0.45	24.13	54.00	29.87	Average
4	1776.155	36.39	0.45	36.84	74.00	37.16	Peak
5	1879.976	24.83	0.91	25.74	54.00	28.26	Average
6	1879.976	36.96	0.91	37.87	74.00	36.13	Peak

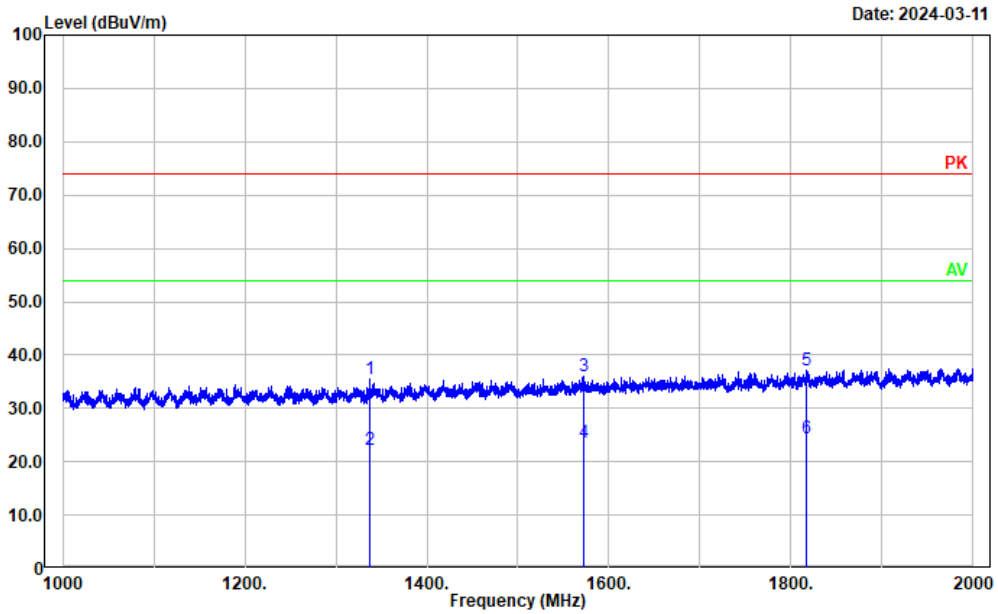
M3
30-88MHz

Project No.: CR231058988-RF
Tester: Mack Huang
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1567.600	36.59	-0.01	36.58	74.00	37.42	Peak
2	1567.600	23.62	-0.01	23.61	54.00	30.39	Average
3	1852.400	36.01	1.54	37.55	74.00	36.45	Peak
4	1852.400	23.19	1.54	24.73	54.00	29.27	Average
5	1966.000	35.62	2.16	37.78	74.00	36.22	Peak
6	1966.000	22.35	2.16	24.51	54.00	29.49	Average

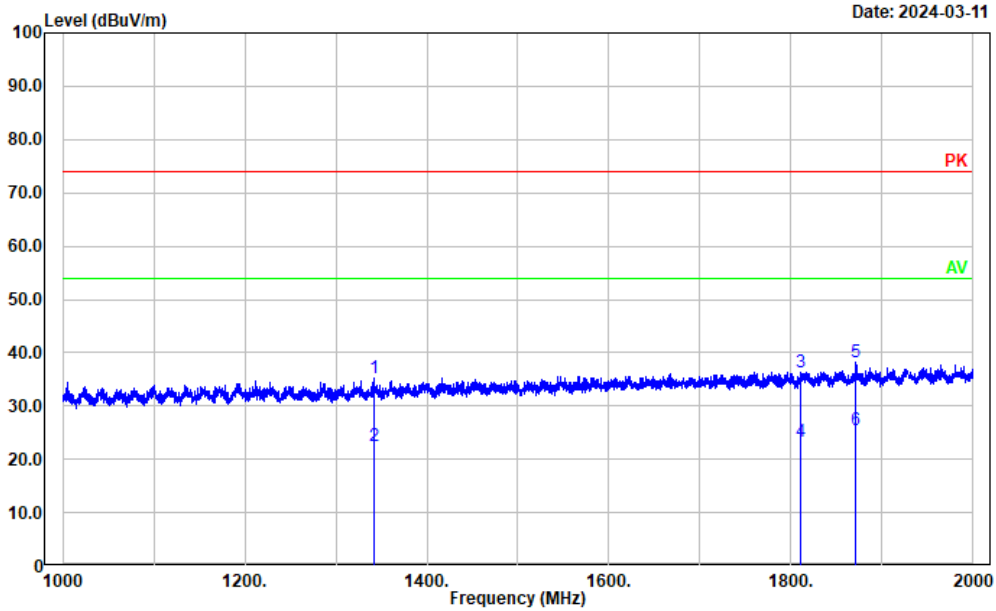
Project No.: CR231058988-RF
Tester: Mack Huang
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1336.800	36.77	-1.35	35.42	74.00	38.58	Peak
2	1336.800	23.50	-1.35	22.15	54.00	31.85	Average
3	1572.400	36.14	0.02	36.16	74.00	37.84	Peak
4	1572.400	23.49	0.02	23.51	54.00	30.49	Average
5	1816.600	35.83	1.36	37.19	74.00	36.81	Peak
6	1816.600	23.05	1.36	24.41	54.00	29.59	Average

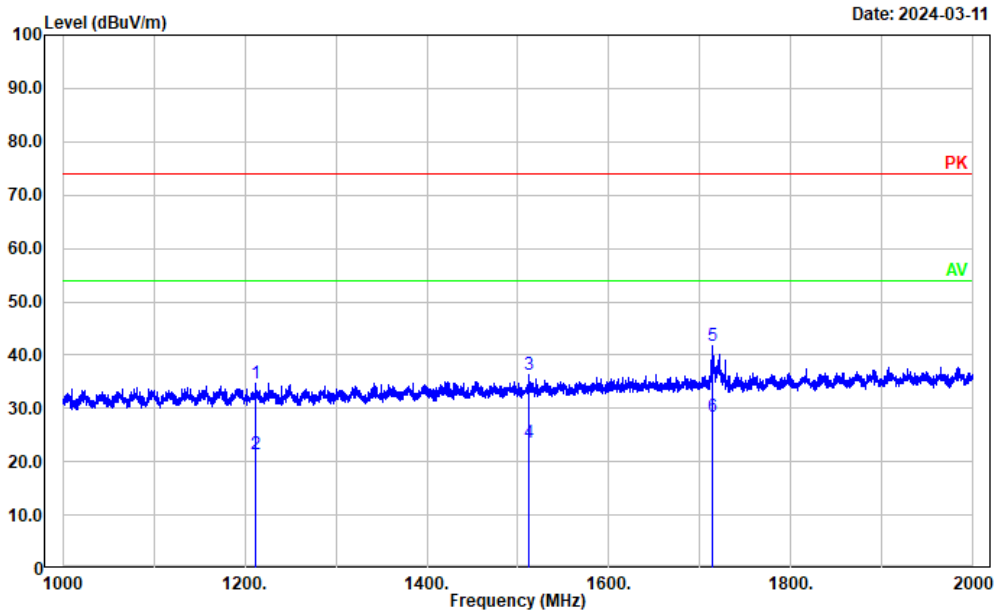
118-190MHz

Project No.: CR231058988-RF
Tester: Mack Huang
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1342.600	36.47	-1.30	35.17	74.00	38.83	Peak
2	1342.600	23.67	-1.30	22.37	54.00	31.63	Average
3	1811.200	35.01	1.35	36.36	74.00	37.64	Peak
4	1811.200	22.02	1.35	23.37	54.00	30.63	Average
5	1871.200	36.42	1.68	38.10	74.00	35.90	Peak
6	1871.200	23.79	1.68	25.47	54.00	28.53	Average

Project No.: CR231058988-RF
Tester: Mack Huang
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1212.000	36.33	-1.70	34.63	74.00	39.37	Peak
2	1212.000	23.17	-1.70	21.47	54.00	32.53	Average
3	1512.400	36.58	-0.40	36.18	74.00	37.82	Peak
4	1512.400	23.91	-0.40	23.51	54.00	30.49	Average
5	1714.200	40.85	0.79	41.64	74.00	32.36	Peak
6	1714.200	27.75	0.79	28.54	54.00	25.46	Average

4.3 Antenna Power Conduction Limits for Receivers

Serial Number:	2C36-1	Test Date:	2024/1/7
Test Site:	RF	Test Mode:	Receiving
Tester:	Ken Tang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	23.4	Relative Humidity: (%)	20	ATM Pressure: (kPa)	102.6

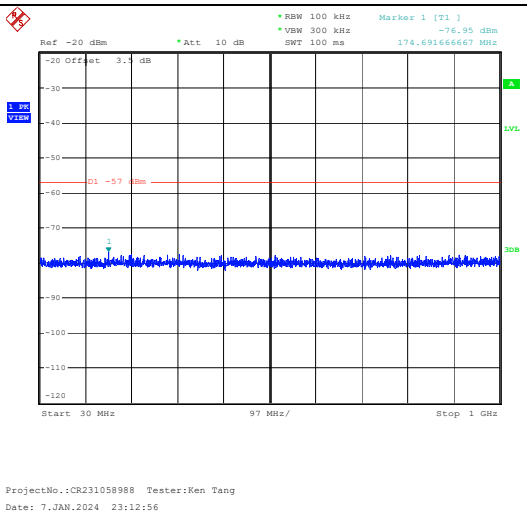
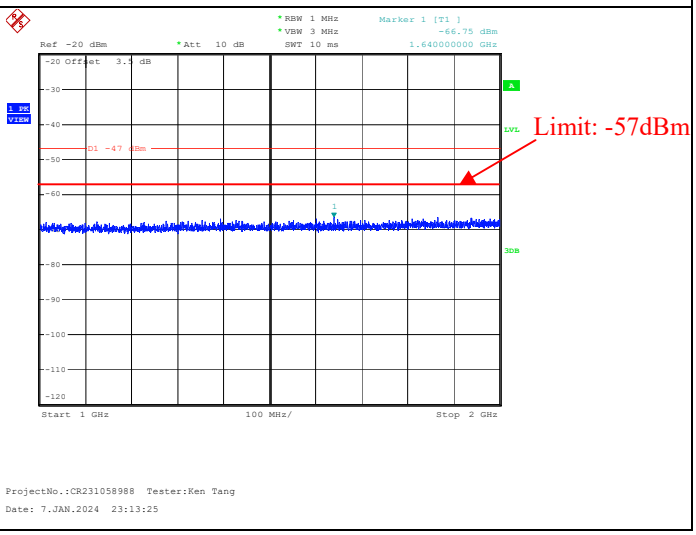
Test Equipment List and Details:

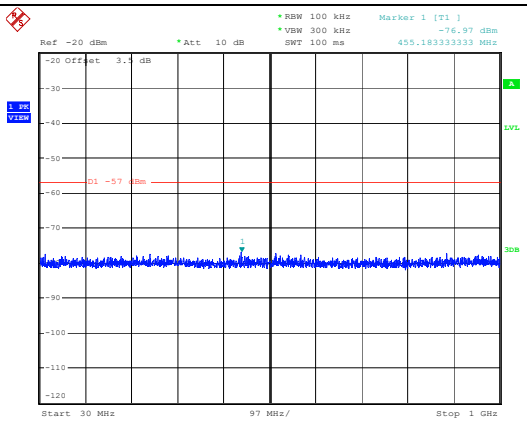
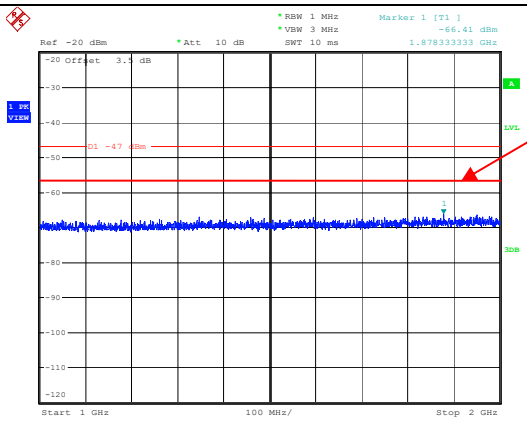
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200120	2023/4/18	2024/4/17
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A

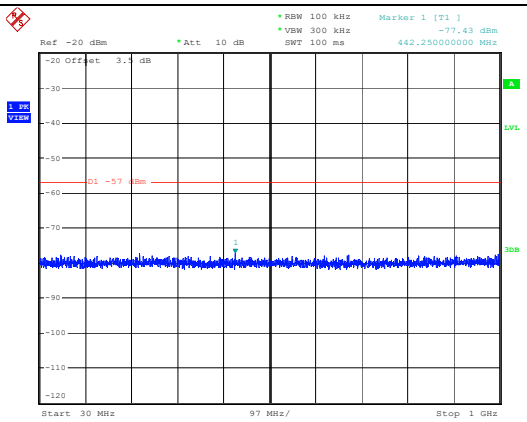
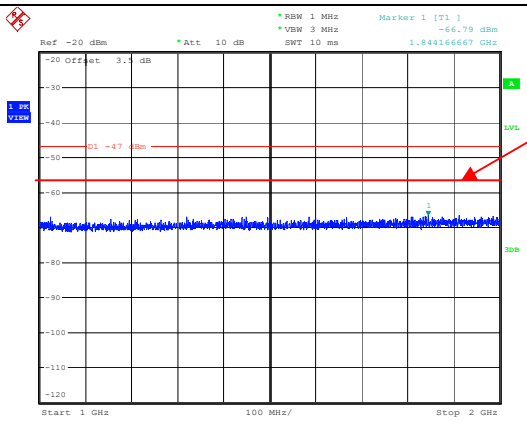
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

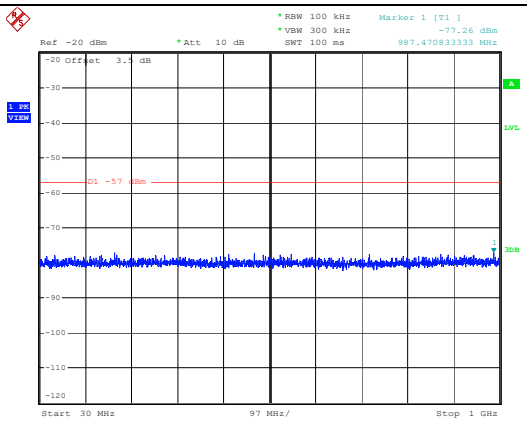
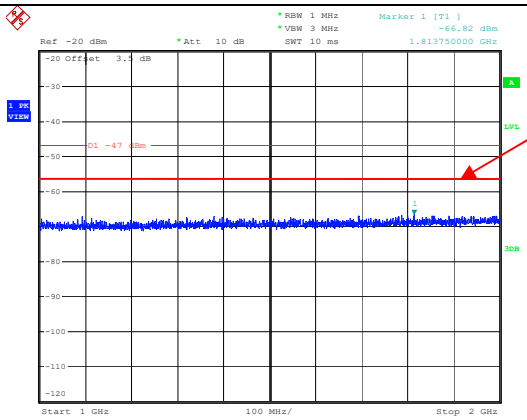
Note: The 3.5 dB is the Insertion loss of the RF cable and coaxial attenuator, which was offset into the Spectrum Analyzer:

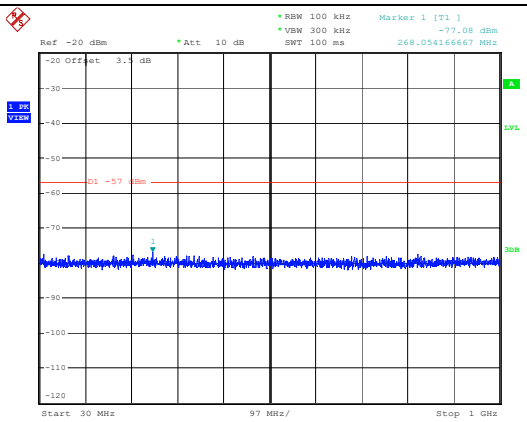
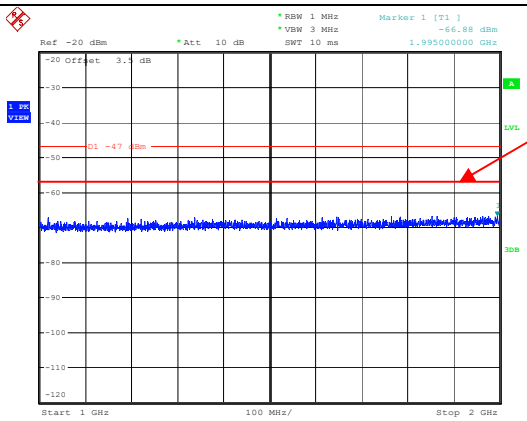
Range 1:

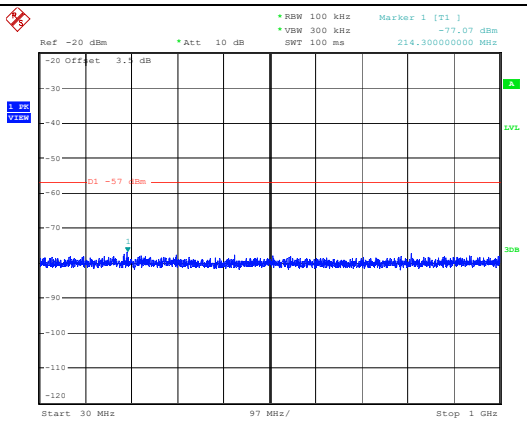
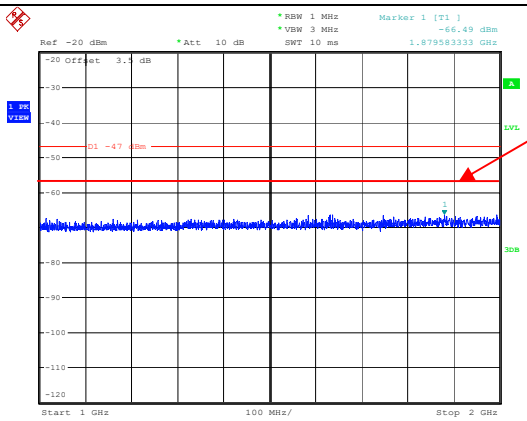
AM _ 30.1MHz	
30MHz -1GHz	
1GHz -2GHz	

AM _ 59MHz	
30MHz -1GHz	
1GHz -2GHz	

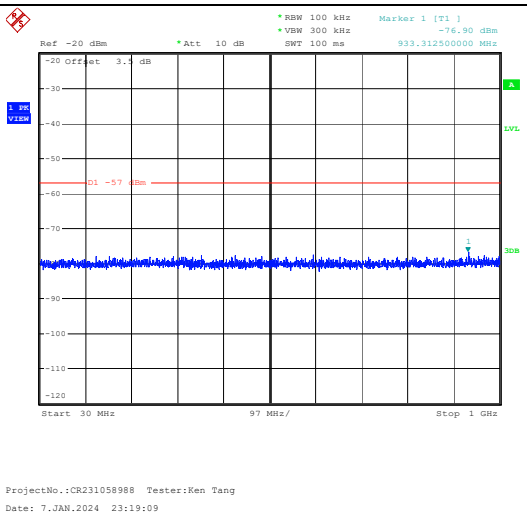
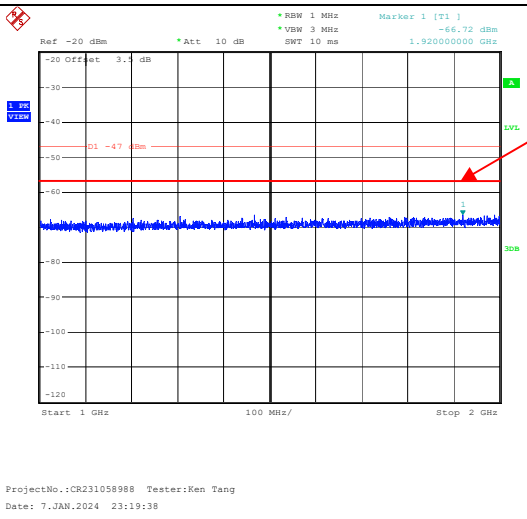
AM _ 87.9MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:16:51
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:17:22

FM _ 30.1MHz	
30MHz -1GHz	
1GHz -2GHz	 Limit: -57dBm

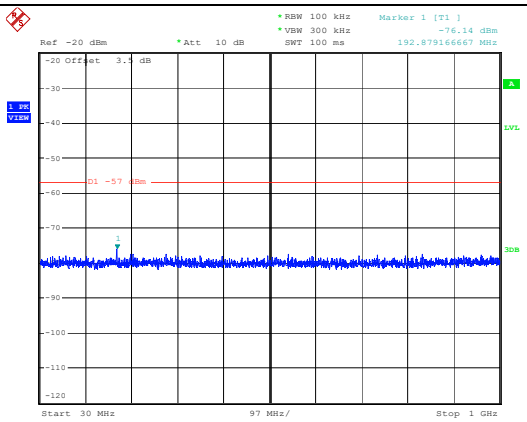
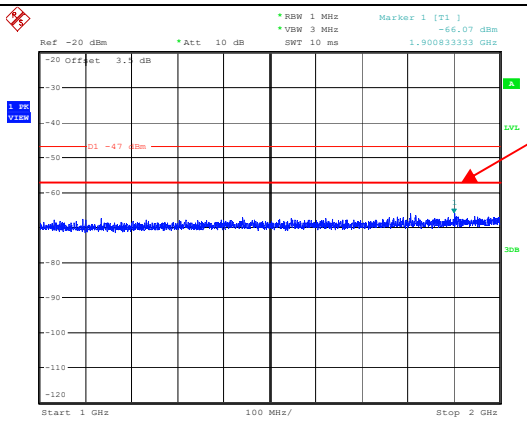
FM _ 59MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:15:53
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:16:23

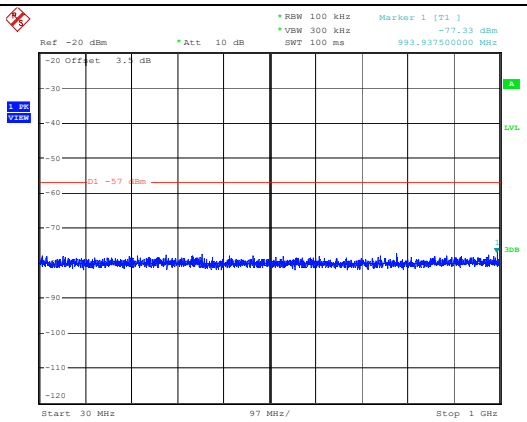
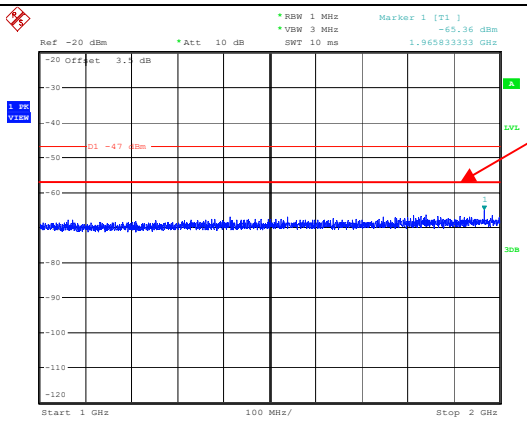
FM _ 87.9MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:17:50
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:18:21

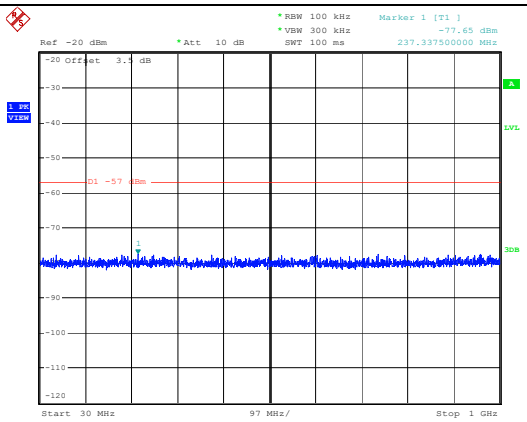
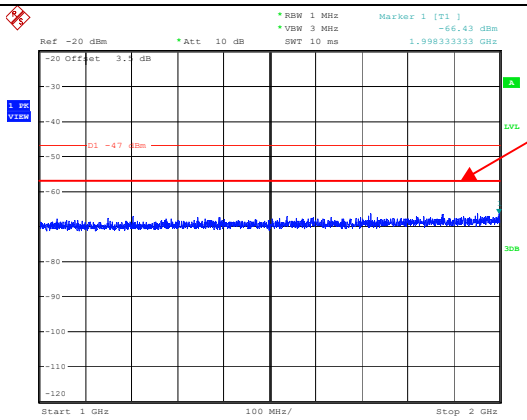
Range 2:

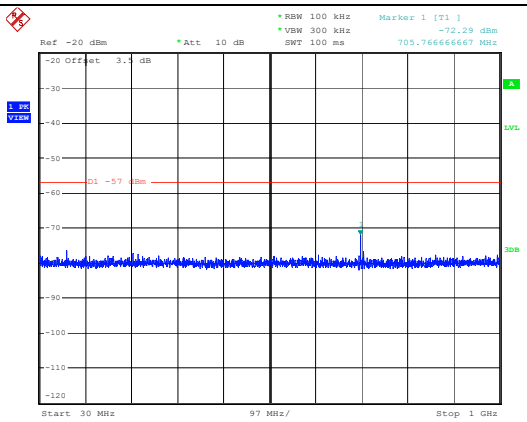
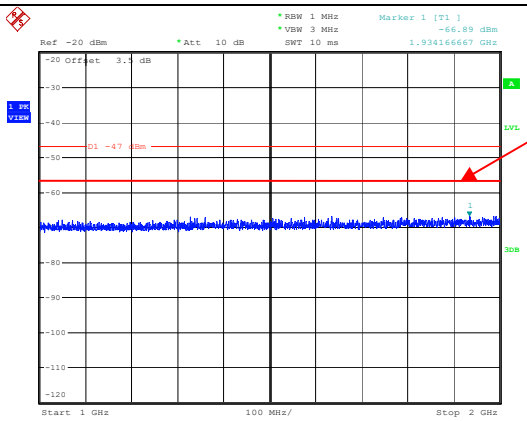
AM _ 118.1MHz	
30MHz -1GHz	
1GHz -2GHz	

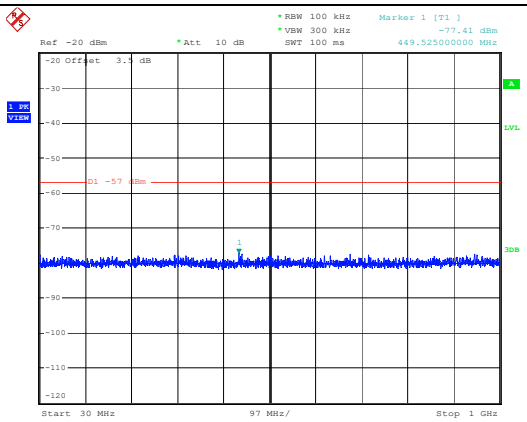
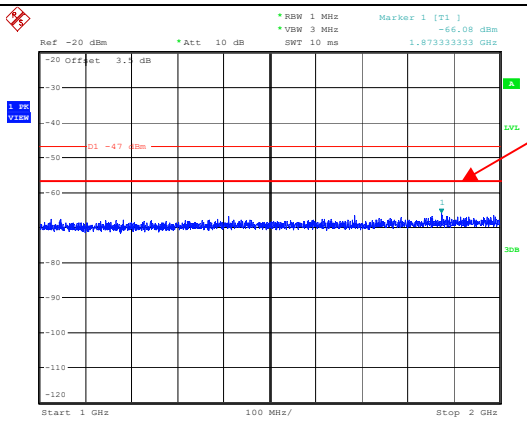
Limit: -57dBm

AM _154MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:21:06
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:21:37

AM _ 189.9MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:23:04
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:23:35

FM _ 118.1MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:20:07
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:20:38

FM _ 154MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:22:05
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:22:36

FM _ 189.9MHz	
30MHz -1GHz	 ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:24:04
1GHz -2GHz	 Limit: -57dBm ProjectNo.:CR231058988 Tester:Ken Tang Date: 7.JAN.2024 23:24:34

4.4 Scanning Receivers and Frequency Converters Used with Scanning Receivers

Serial Number:	2C36-1	Test Date:	2024/1/7
Test Site:	RF	Test Mode:	Scanning
Tester:	Ken Tang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	23.4	Relative Humidity: (%)	20	ATM Pressure: (kPa)	102.6

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
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
Minl-Clrcuits	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).*

Test Data:

Scanning Frequency Range (MHz)	Test Frequency (MHz)	Measurement Result (Worst Case) (dB)	Limit (dB)
30~88/118~190	824, 836, 849, 869,881.5, 894	42	>38

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231058988-EXP EUT EXTERNAL PHOTOGRAPHS and CR231058988-INP EUT INTERNAL PHOTOGRAPHS.

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231058988-00-TSP TEST SETUP PHOTOGRAPHS.

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