



# 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-UV18R

**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:** CR230633393-00A

**Date Of Issue:** 2023/9/25

**Reviewed By:** Julie Tan

*Julie Tan*

Title: RF Engineer

**Approved By:** Sun Zhong

*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.

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

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Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230633393-00A	Original Report	2023/9/25

## 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment under Test (EUT)

<b>Product Name:</b>	Amateur Radio
<b>Test Model:</b>	UV-18R
<b>Multiple Models:</b>	BF-18R, UV-18H, UV-18M, UV-18L
<b>Highest Operation Frequency:</b>	520MHz
<b>Rated Input Voltage:</b>	DC 7.4V from battery
<b>Serial Number:</b>	26SP-2
<b>EUT Received Date:</b>	2023/6/13
<b>EUT Received Status:</b>	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:

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

### 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:

<b>EUT Operation Mode:</b>	The system was configured for testing in Typical Use Mode, which was provided by the manufacturer. Test Mode: M1: Charging & Scanning M2: Charging & Receiving
<b>Equipment Modifications:</b>	No
<b>EUT Exercise Software:</b>	No

Note: EUT can only support charging from USB Type-C port.

### 1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Agilent	MXG Vector Signal Generator	N5182B	MY51350142
PO FUNG	earphone	480	4801

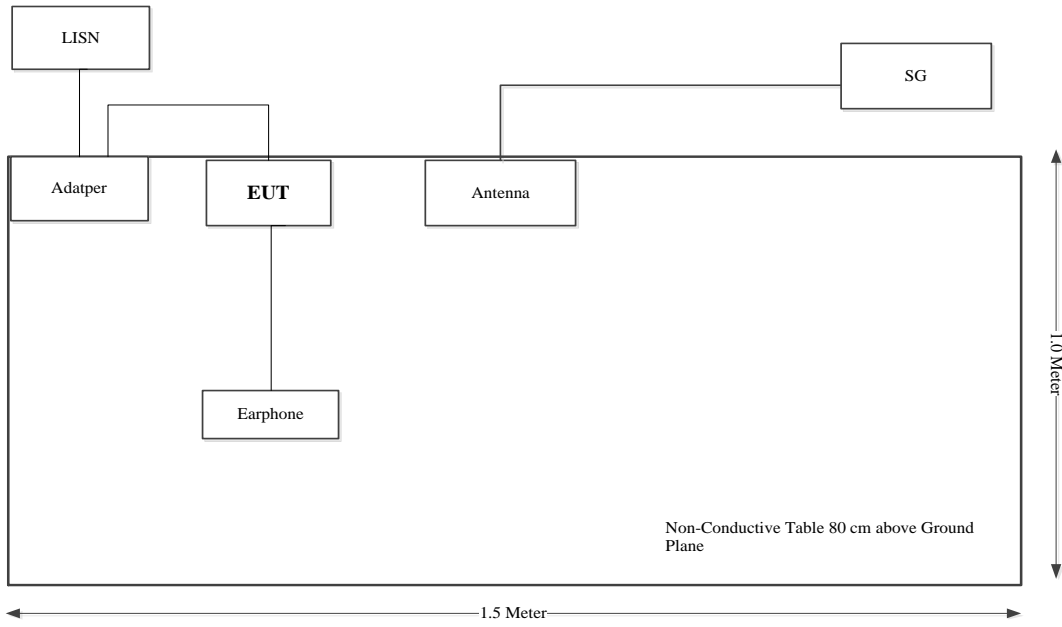
### 1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
antenna cable	No	No	1.5	antenna	N5182B
power cable	No	No	0.9	adapter	EUT
earphone cable	No	No	1	earphone	EUT

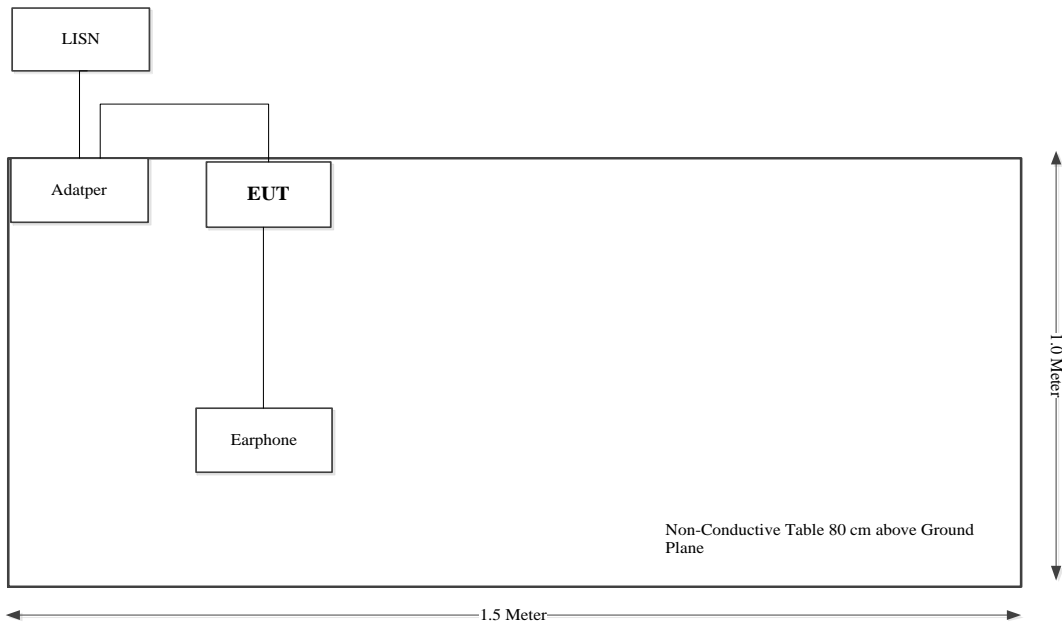
### 1.2.4 Block Diagram of Test Setup

CE:

M2:

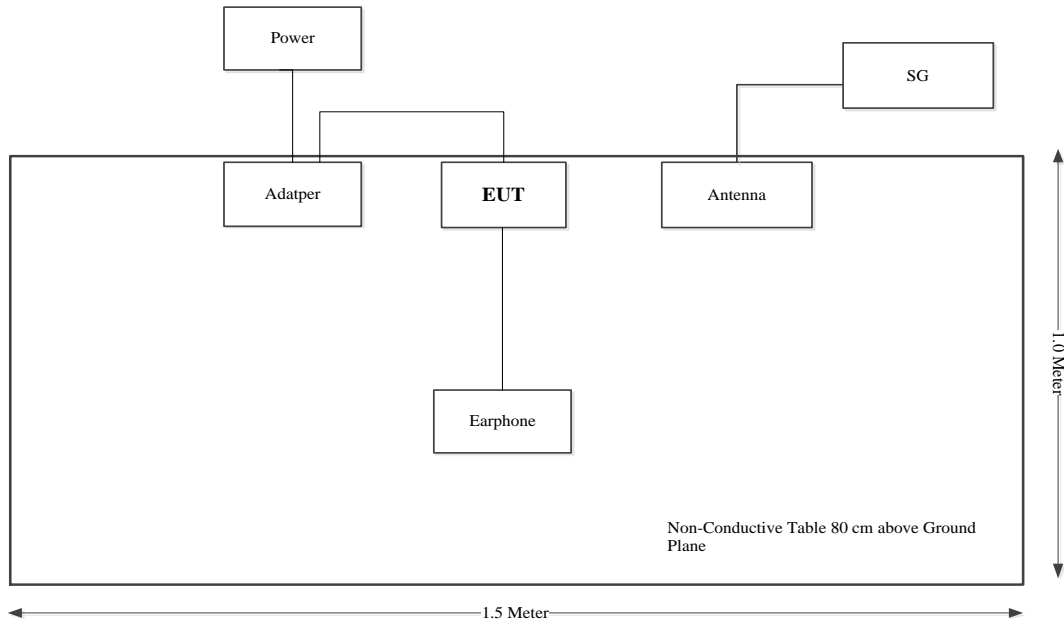


M1:

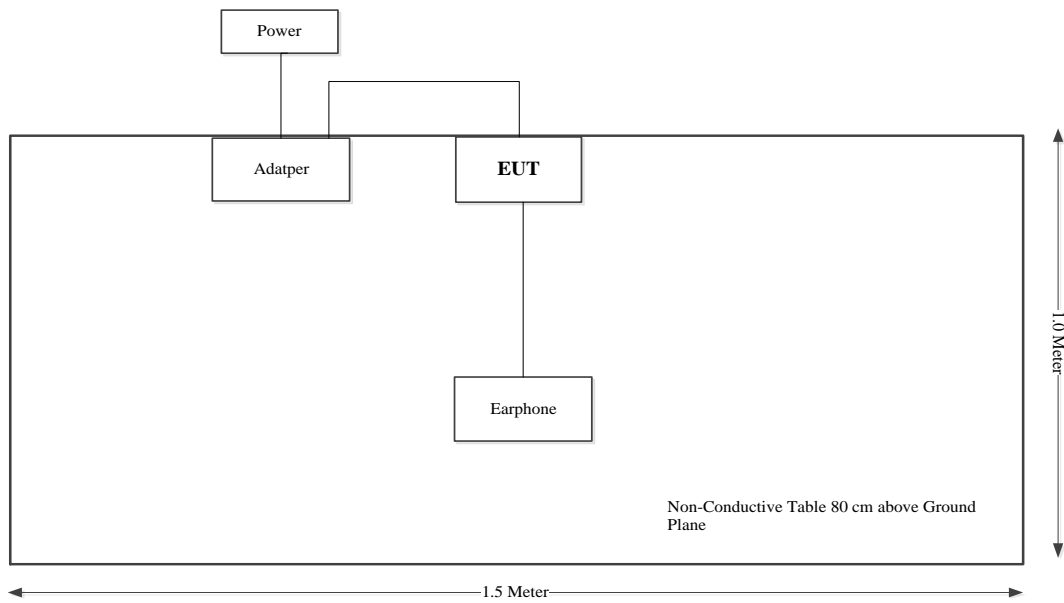


**RE:**

M2:



M1:





### 1.3 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.15 dB, 200M~1GHz: 5.61 dB, 1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB, 18G~26.5G: 5.47 dB, 26.5G~40G: 5.63 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5\%$
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)

## 2. SUMMARY OF TEST RESULTS

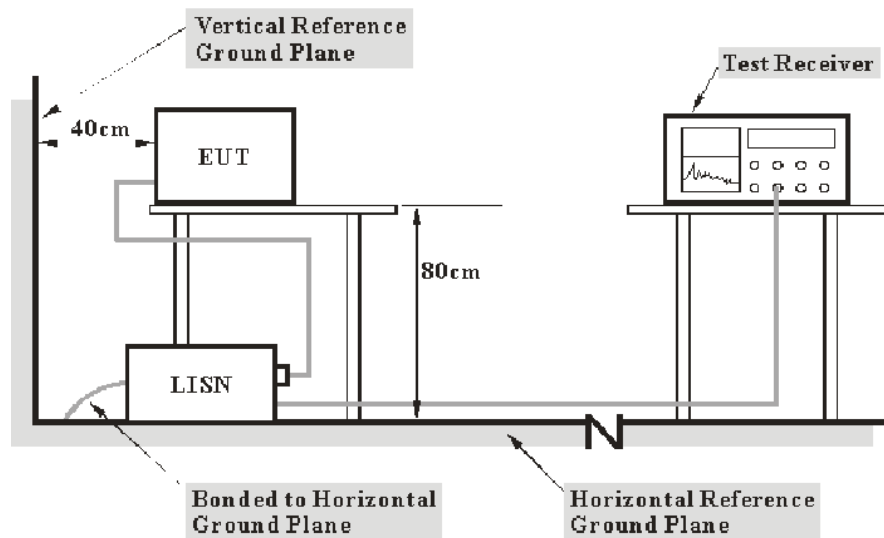
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<b>Standard(s) Section</b>	<b>Description of Test</b>	<b>Result</b>
§15.107	Conducted emissions	Compliant
§15.109	Radiated emissions	Compliant
§15.111	Antenna power conduction limits for receivers	Compliant
§15.121(b)	Scanning receivers and frequency 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

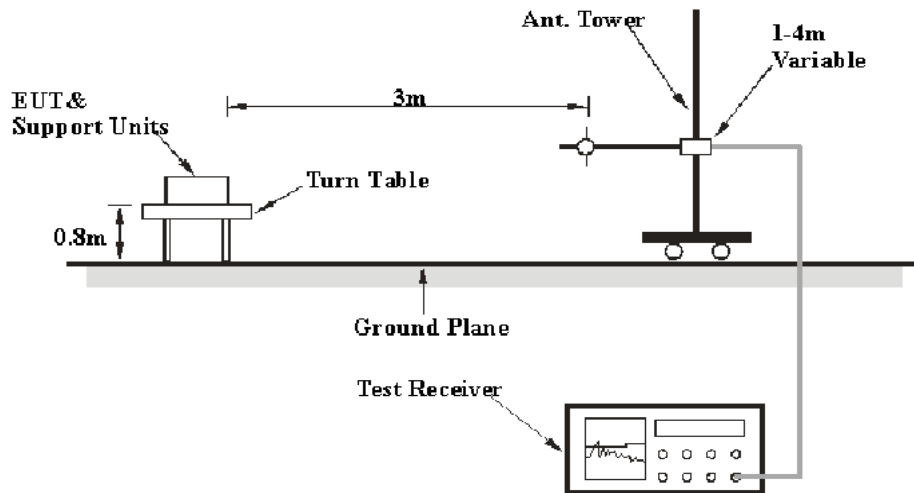
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

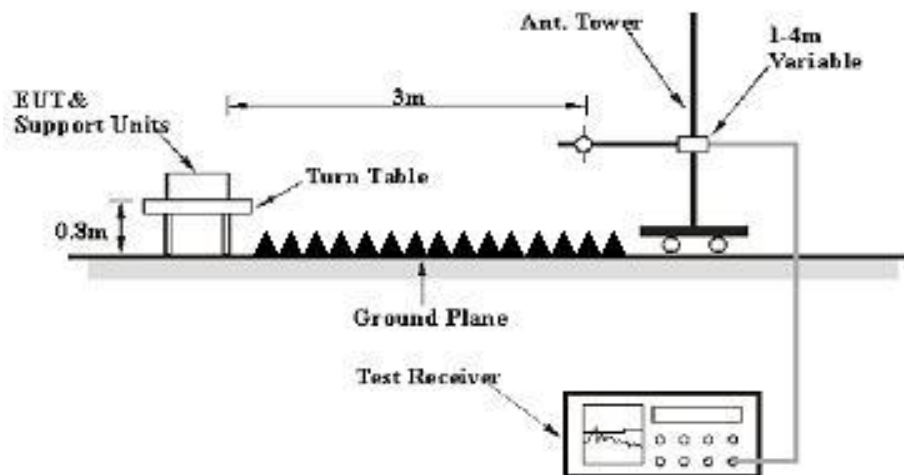
## 3.2 Radiation Spurious Emissions

### 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	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10Hz	/	AVG

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

### 3.2.3 Test Procedure

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

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

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

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

### 3.2.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

Factor = Antenna Factor + Cable Loss- Amplifier Gain

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

Margin = Limit – Result

### **3.3 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

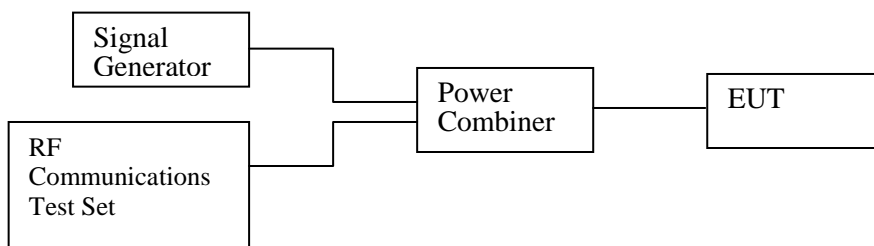
#### Applicable Standard

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.

#### 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 its 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 its 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:	26SP-2	Test Date:	2023/06/25
Test Site:	CE	Test Mode:	M1,M2
Tester:	David Huang	Test Result:	Pass

#### Environmental Conditions:

Temperature: (°C)	25.5	Relative Humidity: (%)	65	ATM Pressure: (kPa)	100.8
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#### Test Equipment List and Details:

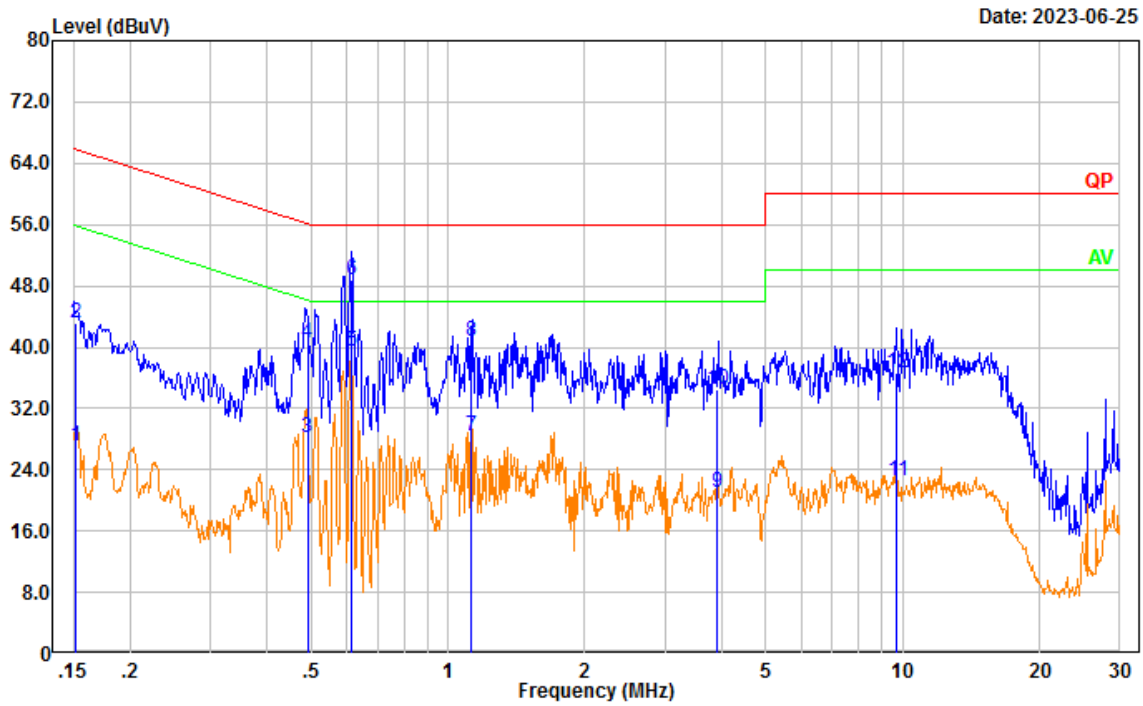
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/03/31	2024/03/30
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

\* 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:** *M1*

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:



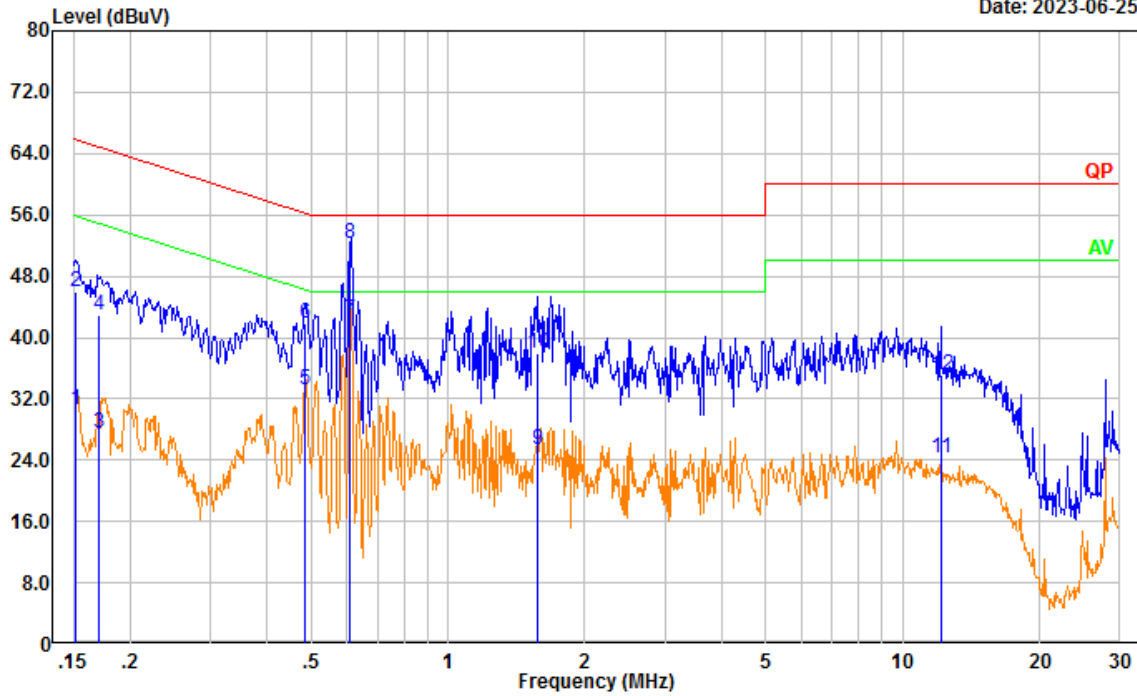
Date: 2023-06-25

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	17.49	9.61	27.10	55.88	28.78	Average
2	0.152	33.61	9.61	43.22	65.88	22.66	QP
3	0.491	18.54	9.61	28.15	46.15	18.00	Average
4	0.491	30.97	9.61	40.58	56.15	15.57	QP
5	0.613	29.74	9.62	39.36	46.00	6.64	Average
6	0.613	39.23	9.62	48.85	56.00	7.15	QP
7	1.127	18.78	9.62	28.40	46.00	17.60	Average
8	1.127	31.11	9.62	40.73	56.00	15.27	QP
9	3.915	11.41	9.65	21.06	46.00	24.94	Average
10	3.915	24.91	9.65	34.56	56.00	21.44	QP
11	9.708	12.88	9.67	22.55	50.00	27.45	Average
12	9.708	26.89	9.67	36.56	60.00	23.44	QP

**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25

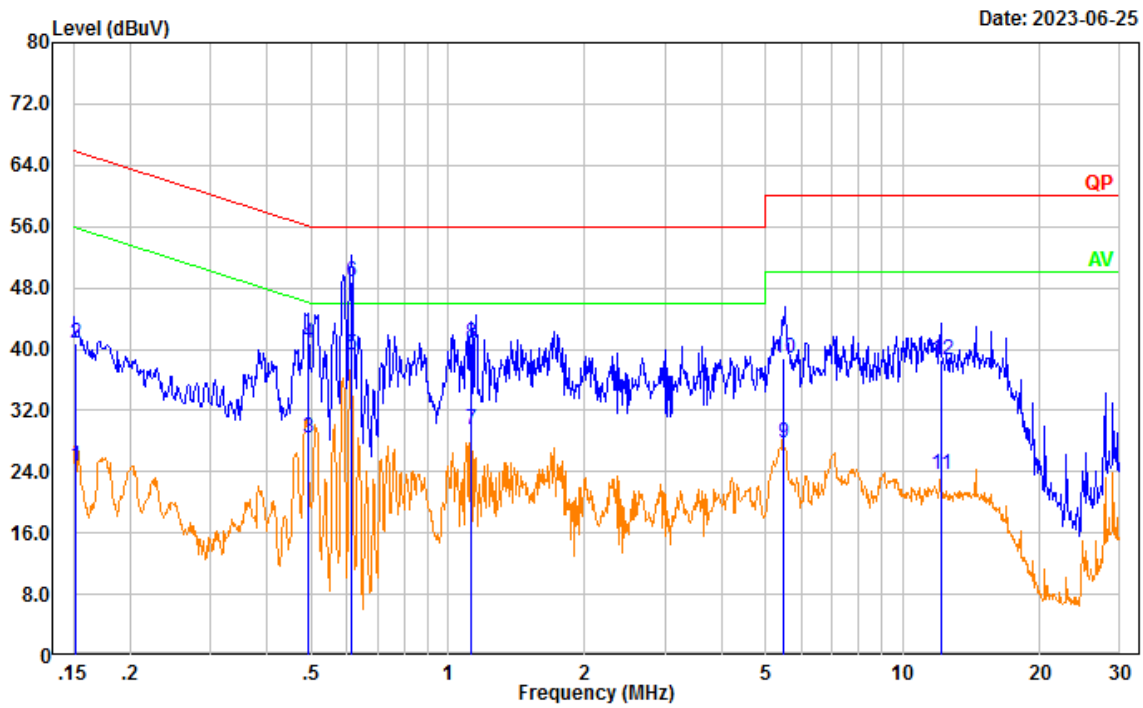


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	20.97	9.61	30.58	55.88	25.30	Average
2	0.152	36.26	9.61	45.87	65.88	20.01	QP
3	0.170	17.96	9.61	27.57	54.94	27.37	Average
4	0.170	33.36	9.61	42.97	64.94	21.97	QP
5	0.485	23.51	9.61	33.12	46.26	13.14	Average
6	0.485	32.32	9.61	41.93	56.26	14.33	QP
7	0.611	32.68	9.62	42.30	46.00	3.70	Average
8	0.611	42.53	9.62	52.15	56.00	3.85	QP
9	1.577	15.81	9.63	25.44	46.00	20.56	Average
10	1.577	28.40	9.63	38.03	56.00	17.97	QP
11	12.153	14.52	9.67	24.19	50.00	25.81	Average
12	12.153	25.55	9.67	35.22	60.00	24.78	QP

**Test Mode:** M2 Charging&Receiving(136.0125MHz)

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:



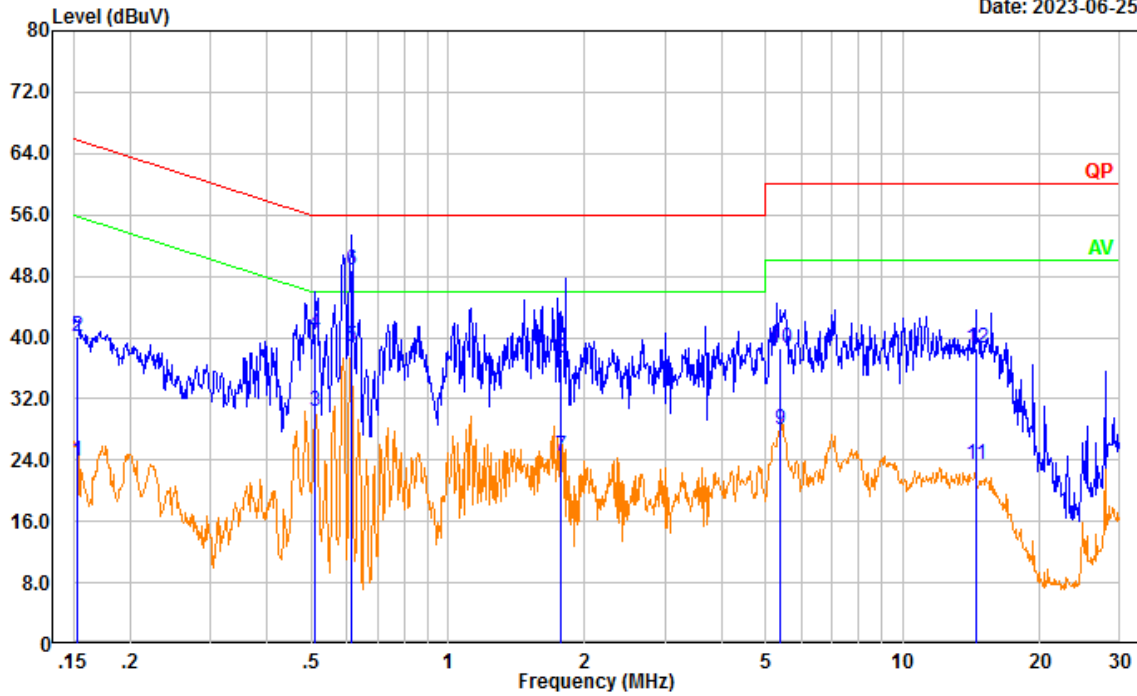
Date: 2023-06-25

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	15.16	9.61	24.77	55.89	31.12	Average
2	0.152	31.22	9.61	40.83	65.89	25.06	QP
3	0.491	18.80	9.61	28.41	46.15	17.74	Average
4	0.491	31.21	9.61	40.82	56.15	15.33	QP
5	0.613	29.60	9.62	39.22	46.00	6.78	Average
6	0.613	39.11	9.62	48.73	56.00	7.27	QP
7	1.126	19.80	9.62	29.42	46.00	16.58	Average
8	1.126	31.19	9.62	40.81	56.00	15.19	QP
9	5.477	18.06	9.66	27.72	50.00	22.28	Average
10	5.477	29.24	9.66	38.90	60.00	21.10	QP
11	12.142	14.03	9.67	23.70	50.00	26.30	Average
12	12.142	28.84	9.67	38.51	60.00	21.49	QP

**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25



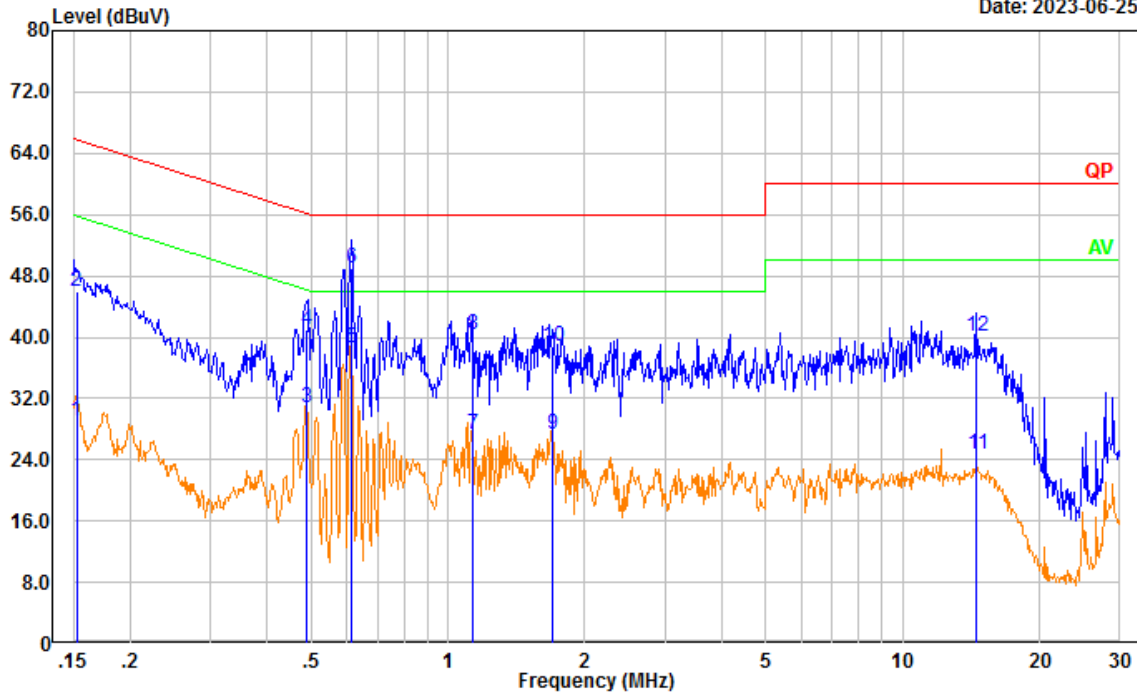
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	14.29	9.61	23.90	55.84	31.94	Average
2	0.153	30.54	9.61	40.15	65.84	25.69	QP
3	0.511	20.66	9.61	30.27	46.00	15.73	Average
4	0.511	30.84	9.61	40.45	56.00	15.55	QP
5	0.614	29.25	9.62	38.87	46.00	7.13	Average
6	0.614	39.20	9.62	48.82	56.00	7.18	QP
7	1.769	14.91	9.63	24.54	46.00	21.46	Average
8	1.769	27.68	9.63	37.31	56.00	18.69	QP
9	5.393	18.32	9.66	27.98	50.00	22.02	Average
10	5.393	28.90	9.66	38.56	60.00	21.44	QP
11	14.520	13.83	9.69	23.52	50.00	26.48	Average
12	14.520	28.97	9.69	38.66	60.00	21.34	QP

**Test Mode:** M2 Charging&Receiving(155MHz)

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:

Date: 2023-06-25

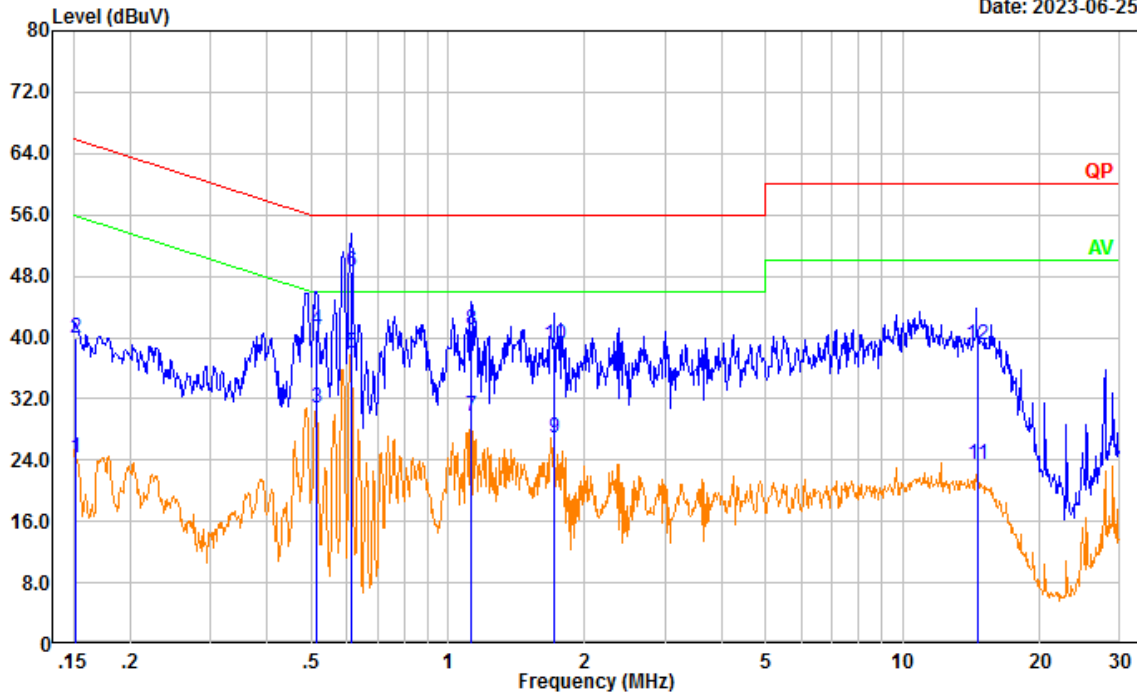


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	19.48	9.61	29.09	55.87	26.78	Average
2	0.152	36.31	9.61	45.92	65.87	19.95	QP
3	0.489	21.18	9.61	30.79	46.18	15.39	Average
4	0.489	31.47	9.61	41.08	56.18	15.10	QP
5	0.615	28.90	9.62	38.52	46.00	7.48	Average
6	0.615	39.37	9.62	48.99	56.00	7.01	QP
7	1.131	17.76	9.62	27.38	46.00	18.62	Average
8	1.131	30.62	9.62	40.24	56.00	15.76	QP
9	1.694	17.61	9.63	27.24	46.00	18.76	Average
10	1.694	29.18	9.63	38.81	56.00	17.19	QP
11	14.543	15.05	9.69	24.74	50.00	25.26	Average
12	14.543	30.40	9.69	40.09	60.00	19.91	QP

**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25

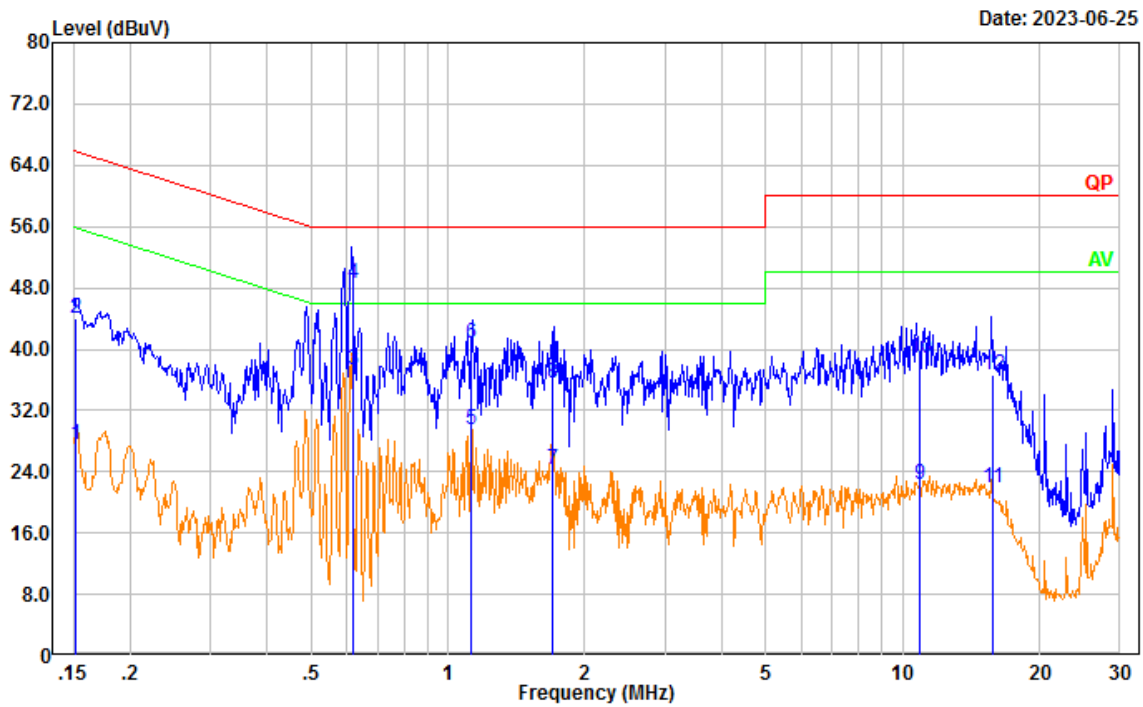


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	14.68	9.61	24.29	55.91	31.62	Average
2	0.152	30.36	9.61	39.97	65.91	25.94	QP
3	0.512	21.23	9.61	30.84	46.00	15.16	Average
4	0.512	31.39	9.61	41.00	56.00	15.00	QP
5	0.615	28.33	9.62	37.95	46.00	8.05	Average
6	0.615	39.03	9.62	48.65	56.00	7.35	QP
7	1.125	20.11	9.62	29.73	46.00	16.27	Average
8	1.125	31.42	9.62	41.04	56.00	14.96	QP
9	1.715	17.29	9.63	26.92	46.00	19.08	Average
10	1.715	29.43	9.63	39.06	56.00	16.94	QP
11	14.568	13.78	9.69	23.47	50.00	26.53	Average
12	14.568	29.36	9.69	39.05	60.00	20.95	QP

**Test Mode:** M2 Charging&Receiving(173.9875MHz)

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:



Date: 2023-06-25

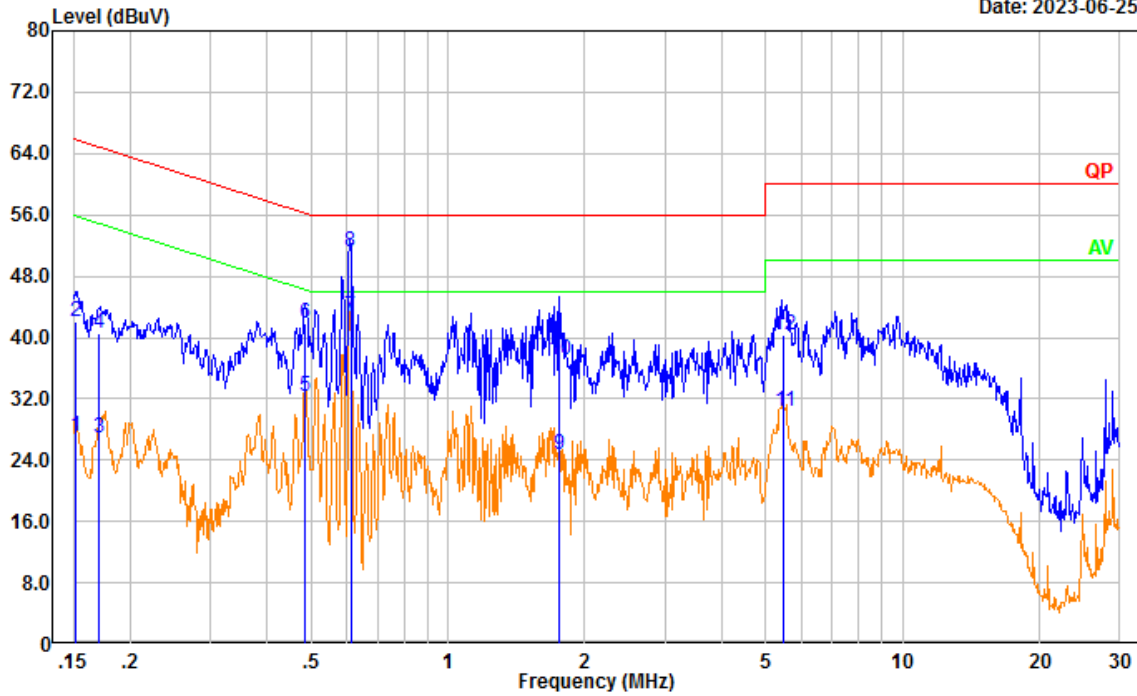
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	17.86	9.61	27.47	55.88	28.41	Average
2	0.152	34.44	9.61	44.05	65.88	21.83	QP
3	0.616	27.61	9.62	37.23	46.00	8.77	Average
4	0.616	38.94	9.62	48.56	56.00	7.44	QP
5	1.127	19.93	9.62	29.55	46.00	16.45	Average
6	1.127	31.15	9.62	40.77	56.00	15.23	QP
7	1.699	14.63	9.63	24.26	46.00	21.74	Average
8	1.699	25.91	9.63	35.54	56.00	20.46	QP
9	10.925	12.63	9.67	22.30	50.00	27.70	Average
10	10.925	29.13	9.67	38.80	60.00	21.20	QP
11	15.757	12.11	9.71	21.82	50.00	28.18	Average
12	15.757	26.93	9.71	36.64	60.00	23.36	QP



**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25



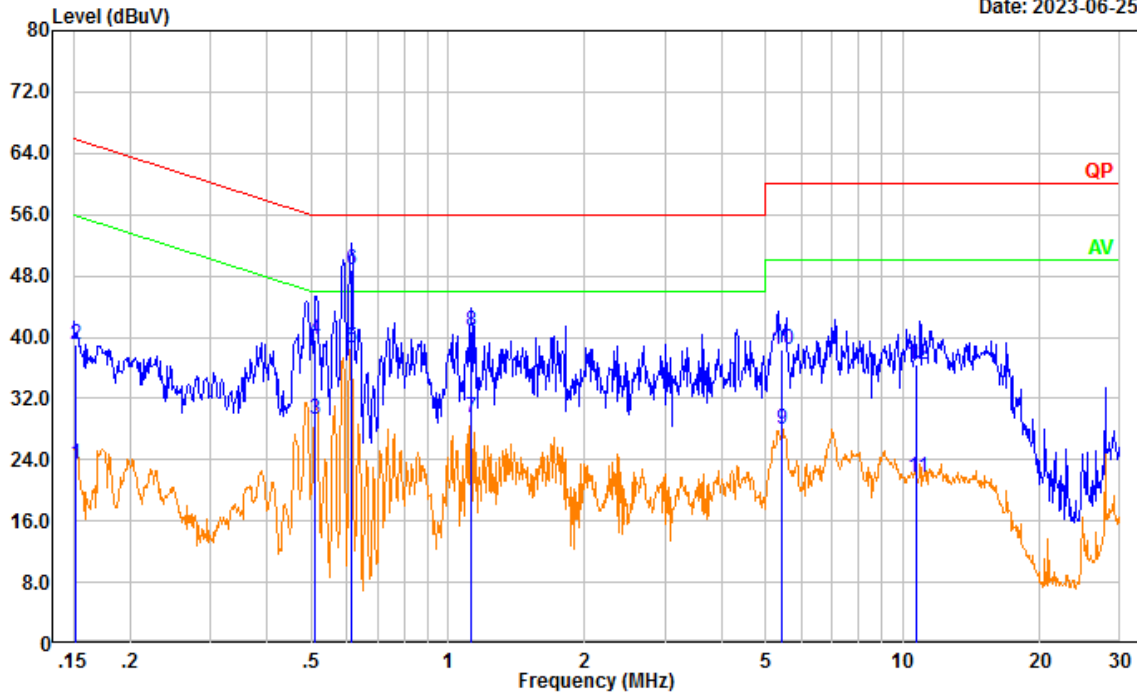
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	17.57	9.61	27.18	55.88	28.70	Average
2	0.152	32.51	9.61	42.12	65.88	23.76	QP
3	0.171	17.37	9.61	26.98	54.91	27.93	Average
4	0.171	30.92	9.61	40.53	64.91	24.38	QP
5	0.484	22.68	9.61	32.29	46.27	13.98	Average
6	0.484	32.25	9.61	41.86	56.27	14.41	QP
7	0.611	33.00	9.62	42.62	46.00	3.38	Average
8	0.611	41.63	9.62	51.25	56.00	4.75	QP
9	1.757	15.17	9.63	24.80	46.00	21.20	Average
10	1.757	27.47	9.63	37.10	56.00	18.90	QP
11	5.484	20.63	9.66	30.29	50.00	19.71	Average
12	5.484	30.64	9.66	40.30	60.00	19.70	QP

**Test Mode:** M2 Charging&Receiving(400.0125MHz)

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:

Date: 2023-06-25

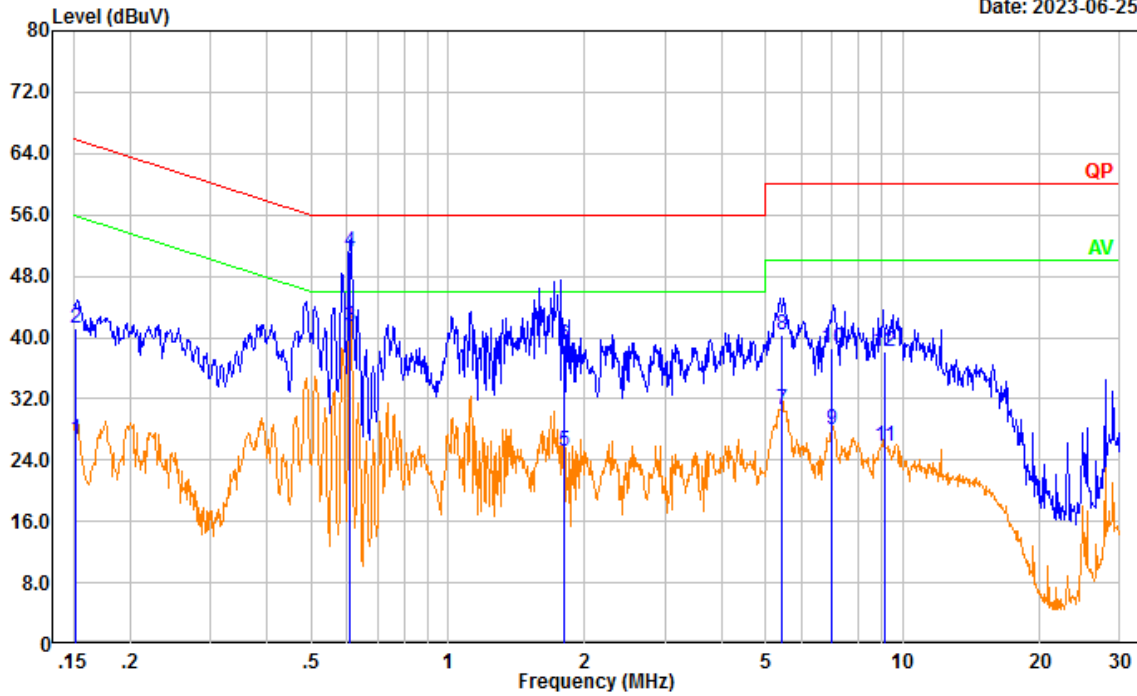


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	13.72	9.61	23.33	55.88	32.55	Average
2	0.152	29.46	9.61	39.07	65.88	26.81	QP
3	0.510	19.71	9.61	29.32	46.00	16.68	Average
4	0.510	30.01	9.61	39.62	56.00	16.38	QP
5	0.614	29.07	9.62	38.69	46.00	7.31	Average
6	0.614	39.10	9.62	48.72	56.00	7.28	QP
7	1.125	19.89	9.62	29.51	46.00	16.49	Average
8	1.125	31.18	9.62	40.80	56.00	15.20	QP
9	5.442	18.33	9.66	27.99	50.00	22.01	Average
10	5.442	28.69	9.66	38.35	60.00	21.65	QP
11	10.749	12.02	9.67	21.69	50.00	28.31	Average
12	10.749	26.81	9.67	36.48	60.00	23.52	QP

**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25

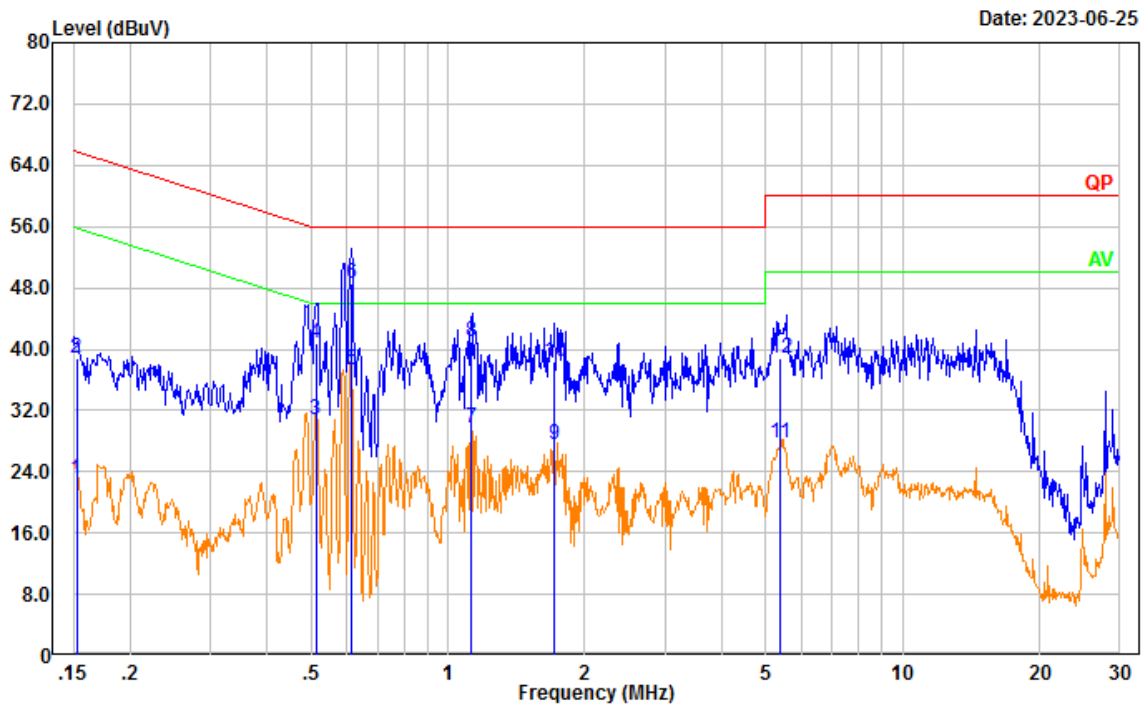


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	17.11	9.61	26.72	55.88	29.16	Average
2	0.152	31.61	9.61	41.22	65.88	24.66	QP
3	0.611	31.88	9.62	41.50	46.00	4.50	Average
4	0.611	41.52	9.62	51.14	56.00	4.86	QP
5	1.806	15.44	9.63	25.07	46.00	20.93	Average
6	1.806	29.29	9.63	38.92	56.00	17.08	QP
7	5.399	20.92	9.66	30.58	50.00	19.42	Average
8	5.399	30.64	9.66	40.30	60.00	19.70	QP
9	6.990	18.34	9.66	28.00	50.00	22.00	Average
10	6.990	28.91	9.66	38.57	60.00	21.43	QP
11	9.095	16.06	9.67	25.73	50.00	24.27	Average
12	9.095	28.53	9.67	38.20	60.00	21.80	QP

**Test Mode:** M2 Charging&Receiving(460MHz)

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:



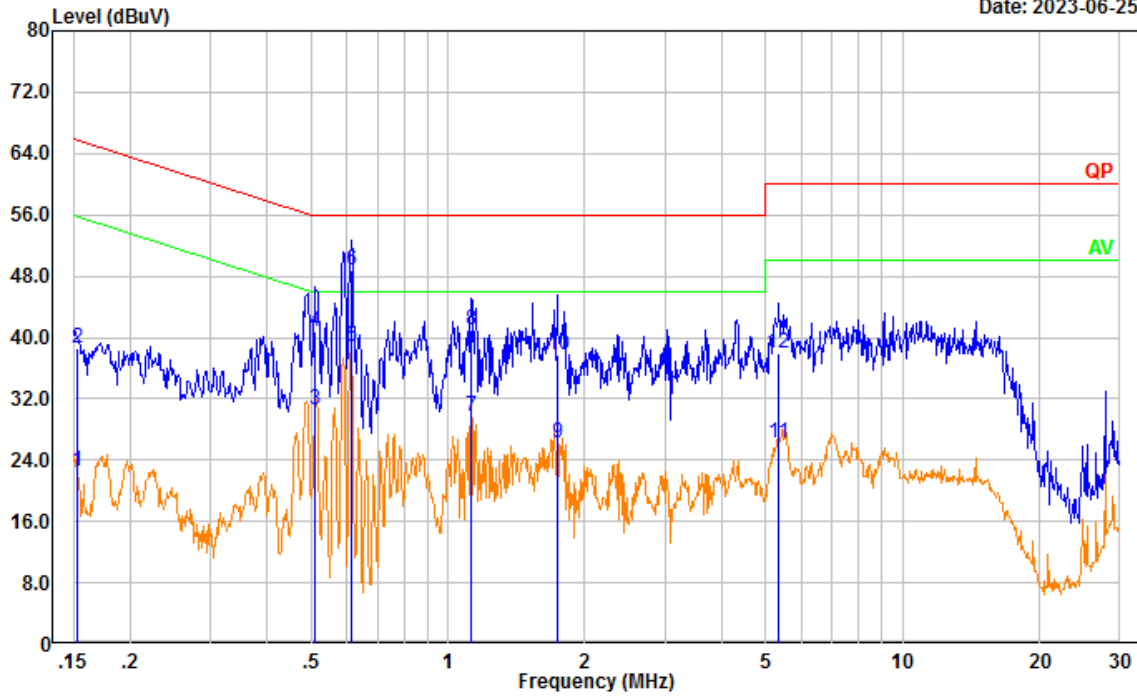
Date: 2023-06-25

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	13.47	9.61	23.08	55.87	32.79	Average
2	0.152	29.16	9.61	38.77	65.87	27.10	QP
3	0.512	21.08	9.61	30.69	46.00	15.31	Average
4	0.512	31.14	9.61	40.75	56.00	15.25	QP
5	0.615	27.77	9.62	37.39	46.00	8.61	Average
6	0.615	38.85	9.62	48.47	56.00	7.53	QP
7	1.126	20.02	9.62	29.64	46.00	16.36	Average
8	1.126	31.35	9.62	40.97	56.00	15.03	QP
9	1.712	18.00	9.63	27.63	46.00	18.37	Average
10	1.712	28.81	9.63	38.44	56.00	17.56	QP
11	5.380	18.15	9.66	27.81	50.00	22.19	Average
12	5.380	29.13	9.66	38.79	60.00	21.21	QP

**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25

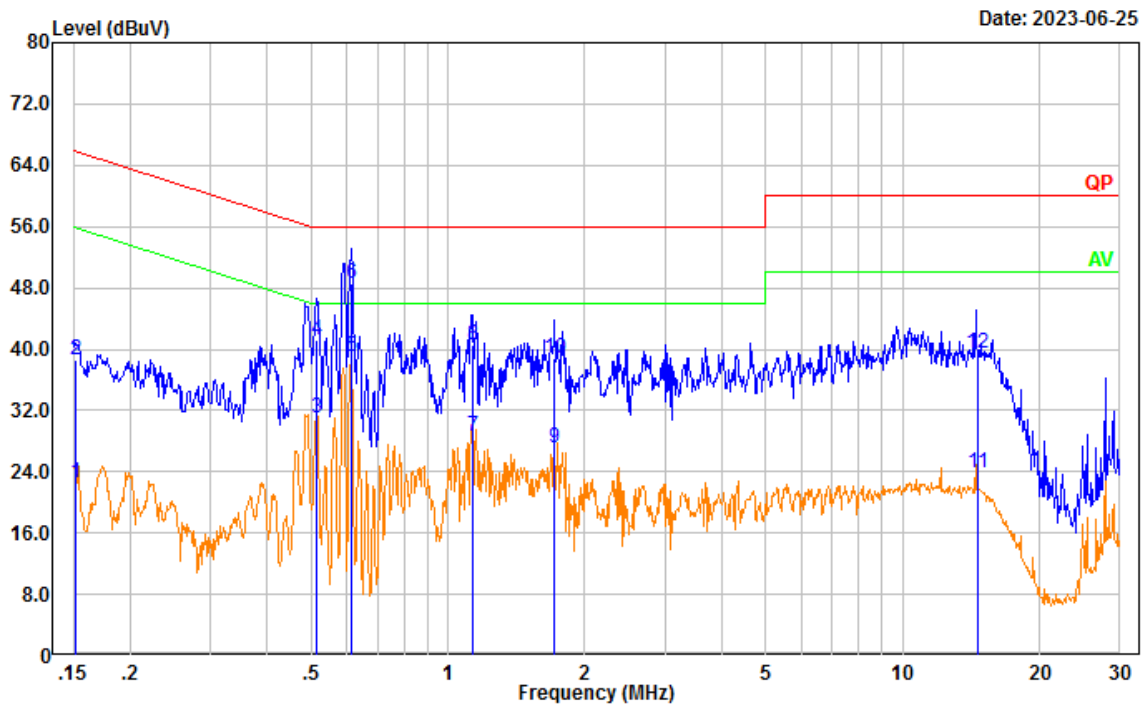


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	12.86	9.61	22.47	55.86	33.39	Average
2	0.153	28.93	9.61	38.54	65.86	27.32	QP
3	0.512	21.06	9.61	30.67	46.00	15.33	Average
4	0.512	31.12	9.61	40.73	56.00	15.27	QP
5	0.614	29.12	9.62	38.74	46.00	7.26	Average
6	0.614	39.07	9.62	48.69	56.00	7.31	QP
7	1.127	20.01	9.62	29.63	46.00	16.37	Average
8	1.127	31.43	9.62	41.05	56.00	14.95	QP
9	1.744	16.60	9.63	26.23	46.00	19.77	Average
10	1.744	28.14	9.63	37.77	56.00	18.23	QP
11	5.310	16.52	9.66	26.18	50.00	23.82	Average
12	5.310	28.29	9.66	37.95	60.00	22.05	QP

**Test Mode: M2 Charging&Receiving(519.9875MHz)**

**Line:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: Line  
 Note:



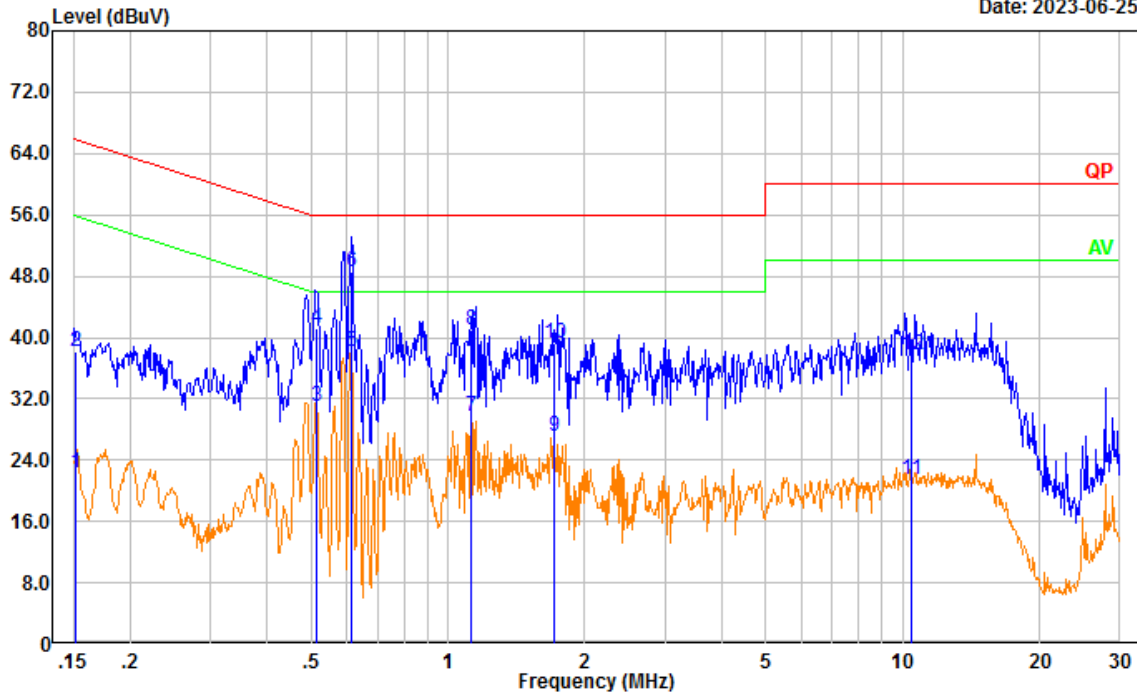
Date: 2023-06-25

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	12.86	9.61	22.47	55.88	33.41	Average
2	0.152	28.89	9.61	38.50	65.88	27.38	QP
3	0.513	21.46	9.61	31.07	46.00	14.93	Average
4	0.513	31.64	9.61	41.25	56.00	14.75	QP
5	0.613	29.34	9.62	38.96	46.00	7.04	Average
6	0.613	38.89	9.62	48.51	56.00	7.49	QP
7	1.131	19.01	9.62	28.63	46.00	17.37	Average
8	1.131	30.95	9.62	40.57	56.00	15.43	QP
9	1.718	17.49	9.63	27.12	46.00	18.88	Average
10	1.718	29.19	9.63	38.82	56.00	17.18	QP
11	14.564	14.19	9.69	23.88	50.00	26.12	Average
12	14.564	29.69	9.69	39.38	60.00	20.62	QP

**Neutral:**

Project No.: CR230633393-RF  
 Tester: David Huang  
 Port: neutral  
 Note:

Date: 2023-06-25



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.152	12.74	9.61	22.35	55.90	33.55	Average
2	0.152	28.64	9.61	38.25	65.90	27.65	QP
3	0.513	21.47	9.61	31.08	46.00	14.92	Average
4	0.513	31.61	9.61	41.22	56.00	14.78	QP
5	0.615	28.45	9.62	38.07	46.00	7.93	Average
6	0.615	38.96	9.62	48.58	56.00	7.42	QP
7	1.128	20.12	9.62	29.74	46.00	16.26	Average
8	1.128	31.27	9.62	40.89	56.00	15.11	QP
9	1.716	17.52	9.63	27.15	46.00	18.85	Average
10	1.716	29.55	9.63	39.18	56.00	16.82	QP
11	10.418	11.73	9.67	21.40	50.00	28.60	Average
12	10.418	28.01	9.67	37.68	60.00	22.32	QP

## 4.2 Radiation Spurious Emissions

Serial Number:	26SP-2	Test Date:	RE Below 1GHz : 2023/09/02 RE Above 1GHz: 2023/06/23
Test Site:	966-1, 966-2	Test Mode:	M1, M2
Tester:	Tao Zhu, Carl Xue	Test Result:	Pass

### Environmental Conditions:

Temperature: (°C)	24.6~26.6	Relative Humidity: (%)	57~58	ATM Pressure: (kPa)	99.3~100.6
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### Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Test 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
Radiated Test Above 1GHz					
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
E-Microwave	Band Rejection Filter	2400-2483.5MHz	OE01902424	2022/08/07	2023/08/06
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/08/07	2023/08/06
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:

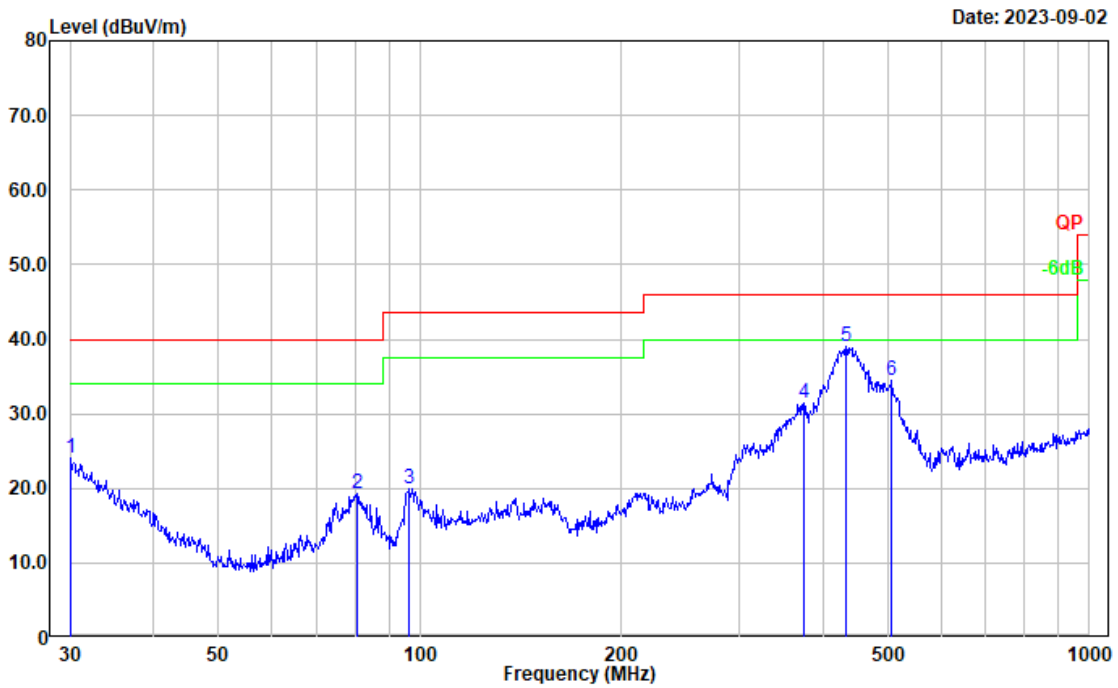
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:



1) 30MHz-1GHz:

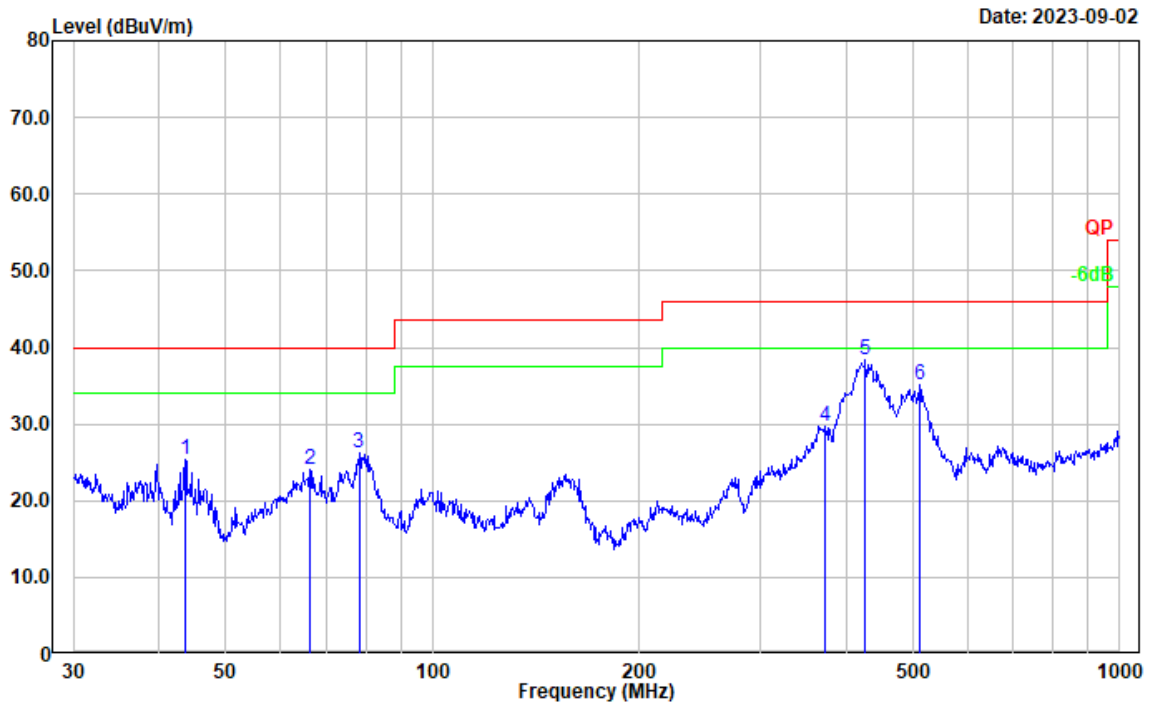
Test Mode: *M1*

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging& Scanning(136-520)  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.73	-3.60	24.13	40.00	15.87	Peak
2	80.362	36.73	-17.43	19.30	40.00	20.70	Peak
3	96.436	35.27	-15.23	20.04	43.50	23.46	Peak
4	374.623	40.78	-9.34	31.44	46.00	14.56	Peak
5	432.546	46.54	-7.42	39.12	46.00	6.88	Peak
6	506.479	40.32	-5.91	34.41	46.00	11.59	Peak

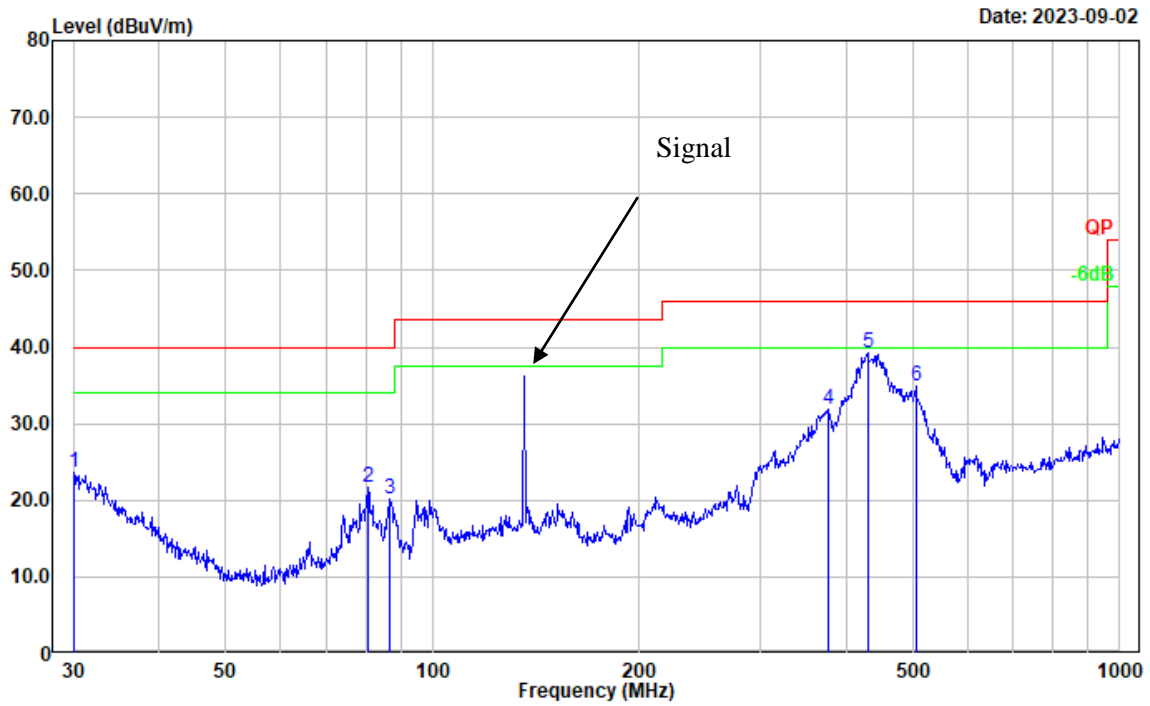
Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging& Scanning(136-520)  
 Polarization: vertical  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	43.659	38.85	-13.46	25.39	40.00	14.61	Peak
2	66.266	40.93	-16.84	24.09	40.00	15.91	Peak
3	78.139	43.53	-17.27	26.26	40.00	13.74	Peak
4	373.311	39.17	-9.40	29.77	46.00	16.23	Peak
5	426.521	46.00	-7.65	38.35	46.00	7.65	Peak
6	511.835	40.84	-5.82	35.02	46.00	10.98	Peak

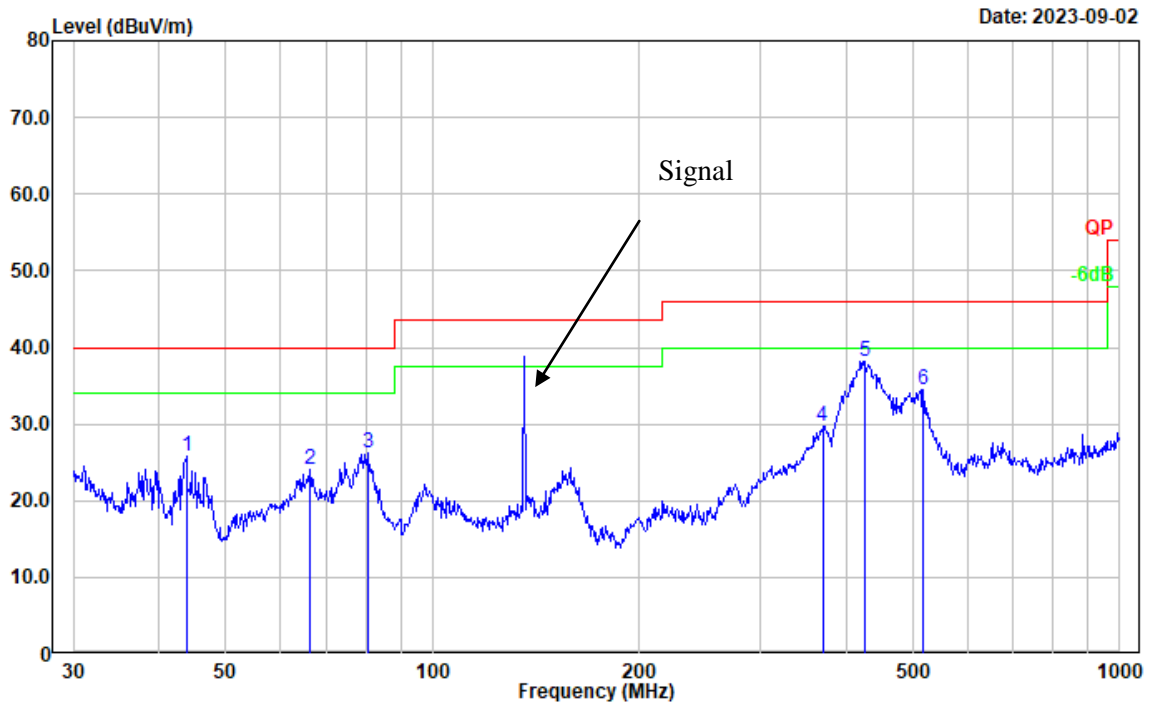
**Test Mode: M2 (RX 136.0125MHz)**

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(136.0125)  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	27.29	-3.68	23.61	40.00	16.39	Peak
2	80.644	38.99	-17.41	21.58	40.00	18.42	Peak
3	86.807	37.37	-17.10	20.27	40.00	19.73	Peak
4	375.939	41.17	-9.29	31.88	46.00	14.12	Peak
5	429.523	46.79	-7.51	39.28	46.00	6.72	Peak
6	504.706	40.89	-5.93	34.96	46.00	11.04	Peak

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(136.0125)  
 Polarization: vertical  
 Note:

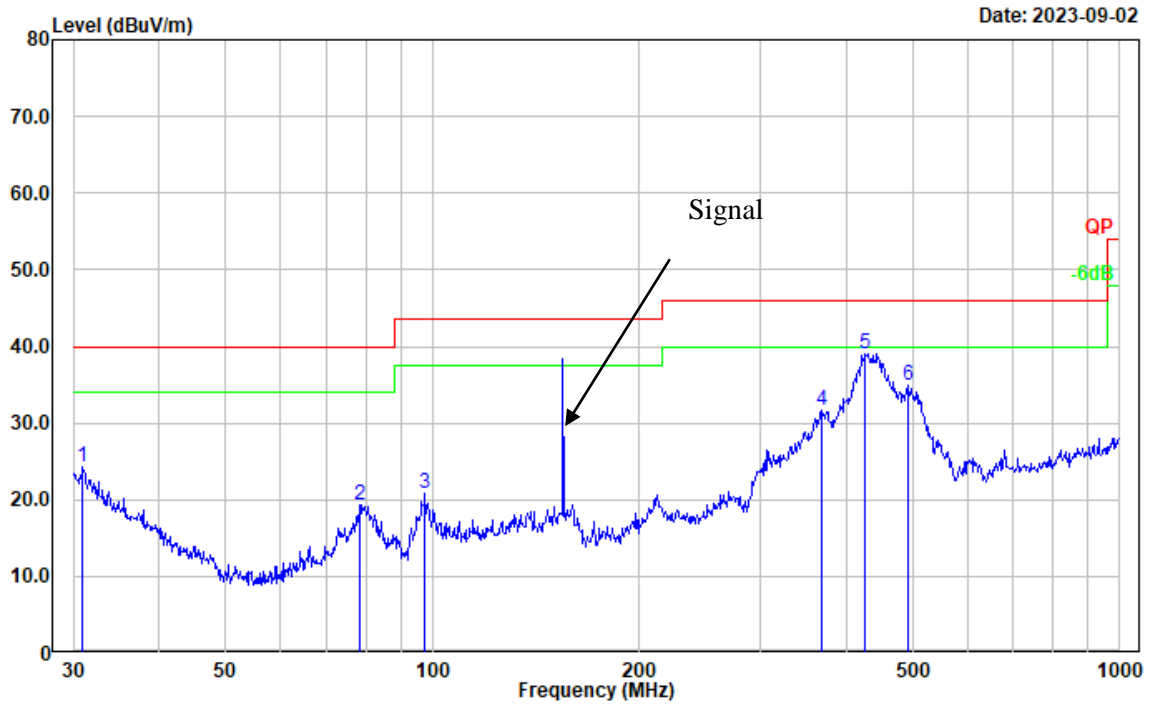


Date: 2023-09-02

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	43.812	39.40	-13.56	25.84	40.00	14.16	Peak
2	66.266	40.86	-16.84	24.02	40.00	15.98	Peak
3	80.362	43.67	-17.43	26.24	40.00	13.76	Peak
4	369.405	39.22	-9.53	29.69	46.00	16.31	Peak
5	426.521	45.88	-7.65	38.23	46.00	7.77	Peak
6	517.248	40.34	-5.83	34.51	46.00	11.49	Peak

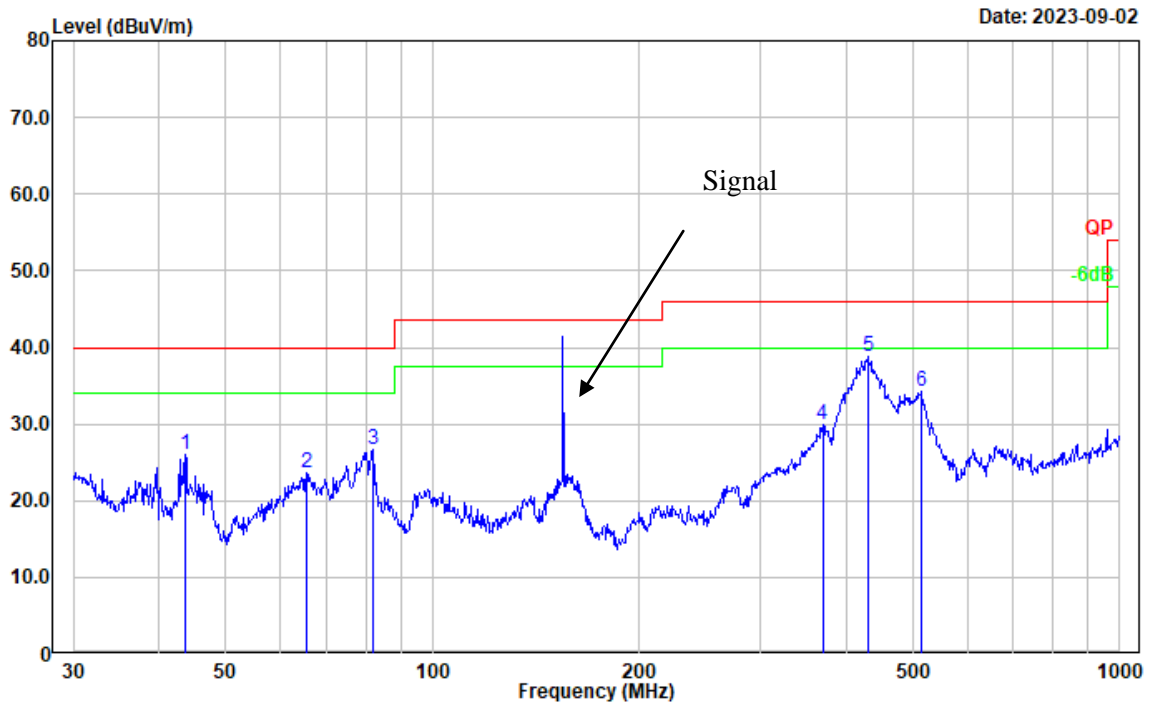
**Test Mode: M2 (RX 155MHz)**

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(155)  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.962	28.69	-4.34	24.35	40.00	15.65	Peak
2	78.413	36.52	-17.30	19.22	40.00	20.78	Peak
3	97.456	35.67	-14.94	20.73	43.50	22.77	Peak
4	368.112	41.29	-9.57	31.72	46.00	14.28	Peak
5	426.521	46.69	-7.65	39.04	46.00	6.96	Peak
6	490.745	41.10	-6.20	34.90	46.00	11.10	Peak

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(155)  
 Polarization: vertical  
 Note:

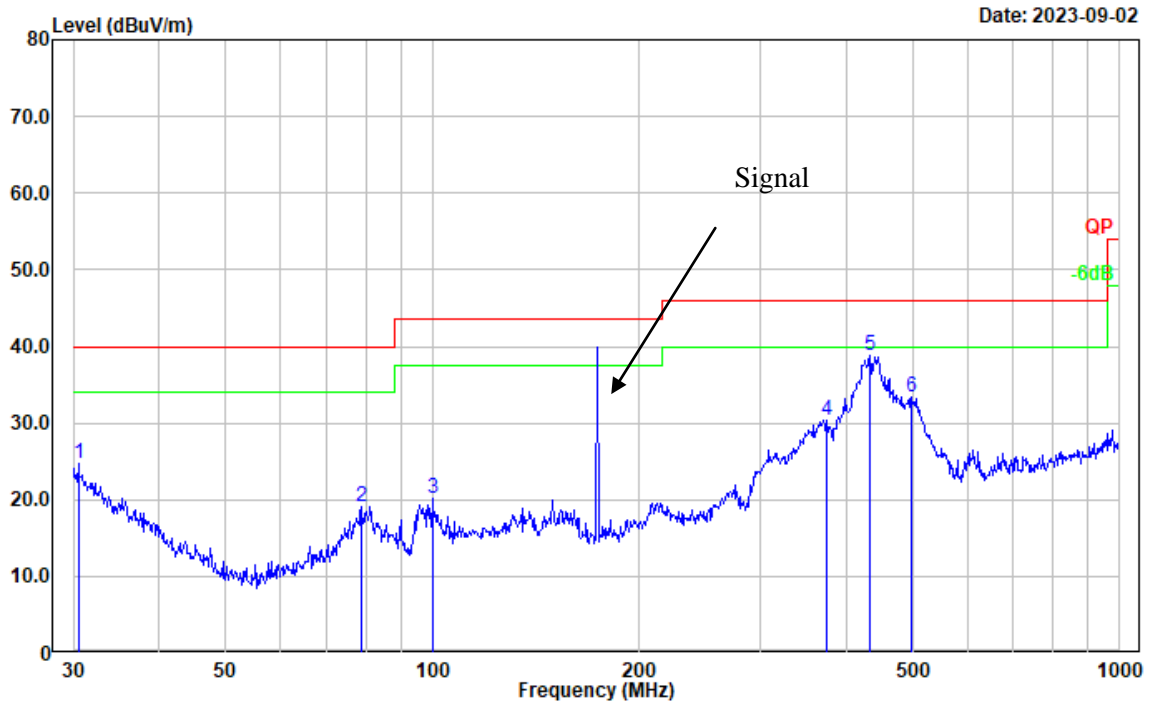


Date: 2023-09-02

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	43.659	39.50	-13.46	26.04	40.00	13.96	Peak
2	65.573	40.50	-16.90	23.60	40.00	16.40	Peak
3	82.071	44.05	-17.35	26.70	40.00	13.30	Peak
4	369.405	39.35	-9.53	29.82	46.00	16.18	Peak
5	429.523	46.42	-7.51	38.91	46.00	7.09	Peak
6	515.437	40.10	-5.83	34.27	46.00	11.73	Peak

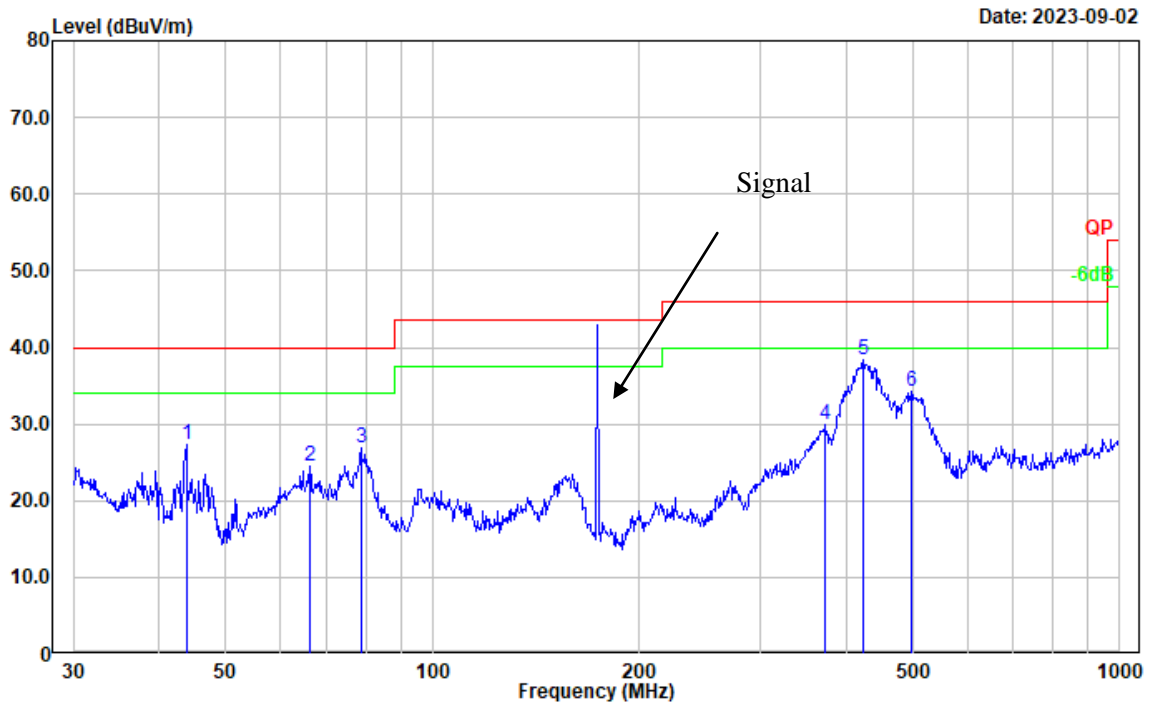
**Test Mode: M2 (RX 173.9875 MHz)**

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(173.9875)  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30.531	28.62	-4.00	24.62	40.00	15.38	Peak
2	78.689	36.45	-17.32	19.13	40.00	20.87	Peak
3	99.878	34.60	-14.35	20.25	43.50	23.25	Peak
4	374.623	39.75	-9.34	30.41	46.00	15.59	Peak
5	432.546	46.33	-7.42	38.91	46.00	7.09	Peak
6	497.677	39.43	-6.07	33.36	46.00	12.64	Peak

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(173.9875)  
 Polarization: vertical  
 Note:

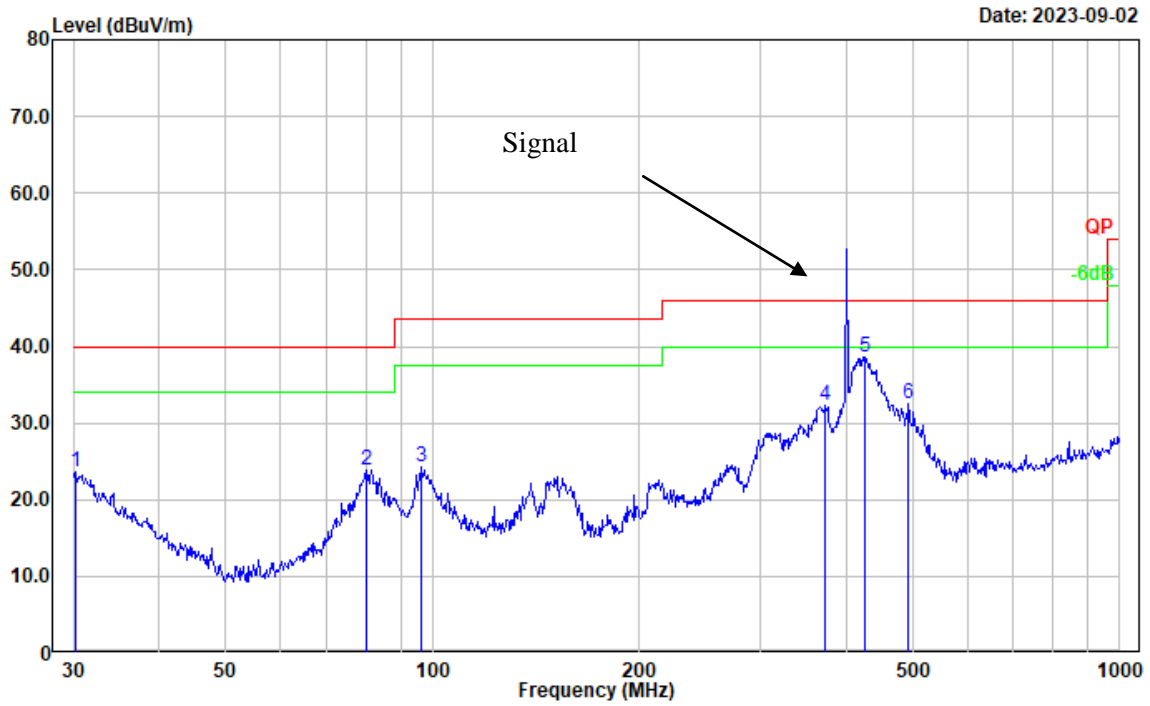


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	43.812	40.82	-13.56	27.26	40.00	12.74	Peak
2	66.266	41.27	-16.84	24.43	40.00	15.57	Peak
3	78.689	44.15	-17.32	26.83	40.00	13.17	Peak
4	373.311	39.40	-9.40	30.00	46.00	16.00	Peak
5	423.540	46.20	-7.77	38.43	46.00	7.57	Peak
6	497.677	40.29	-6.07	34.22	46.00	11.78	Peak

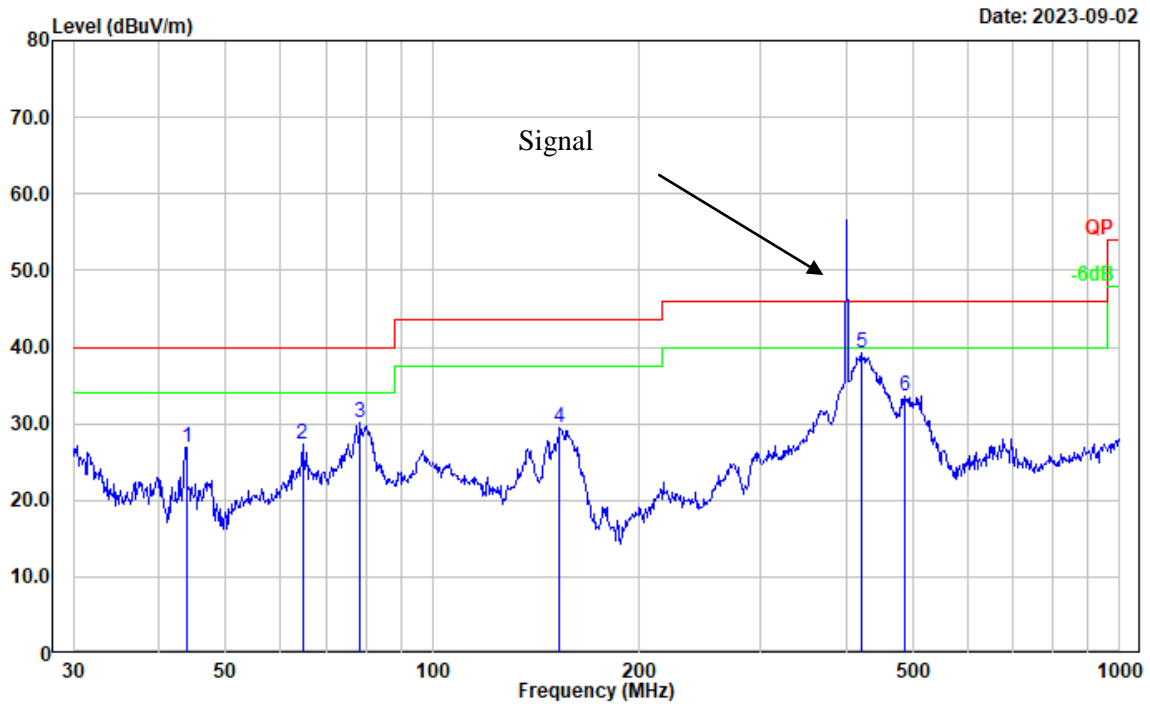


**Test Mode: M2 (RX 400.0125MHz)**

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(400.0125)  
 Polarization: horizontal  
 Note:



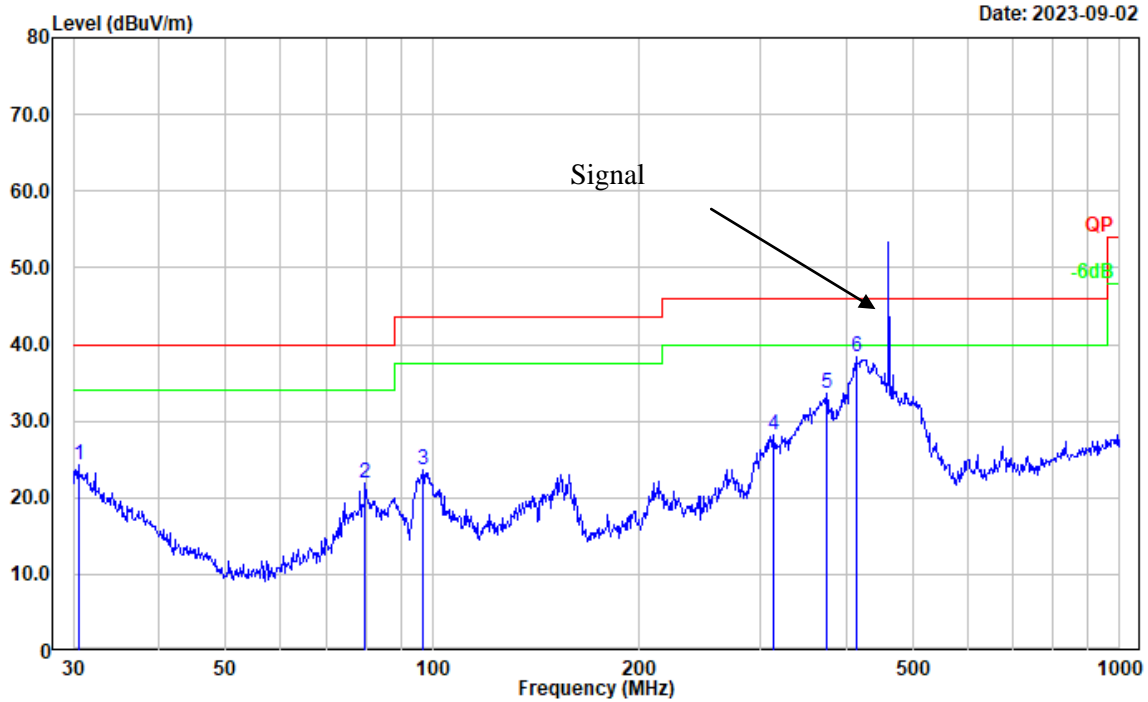
Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(400.0125)  
 Polarization: vertical  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	43.812	40.48	-13.56	26.92	40.00	13.08	Peak
2	64.659	44.29	-16.96	27.33	40.00	12.67	Peak
3	78.413	47.52	-17.30	30.22	40.00	9.78	Peak
4	153.200	41.46	-12.03	29.43	43.50	14.07	Peak
5	422.058	46.99	-7.83	39.16	46.00	6.84	Peak
6	485.609	39.86	-6.29	33.57	46.00	12.43	Peak

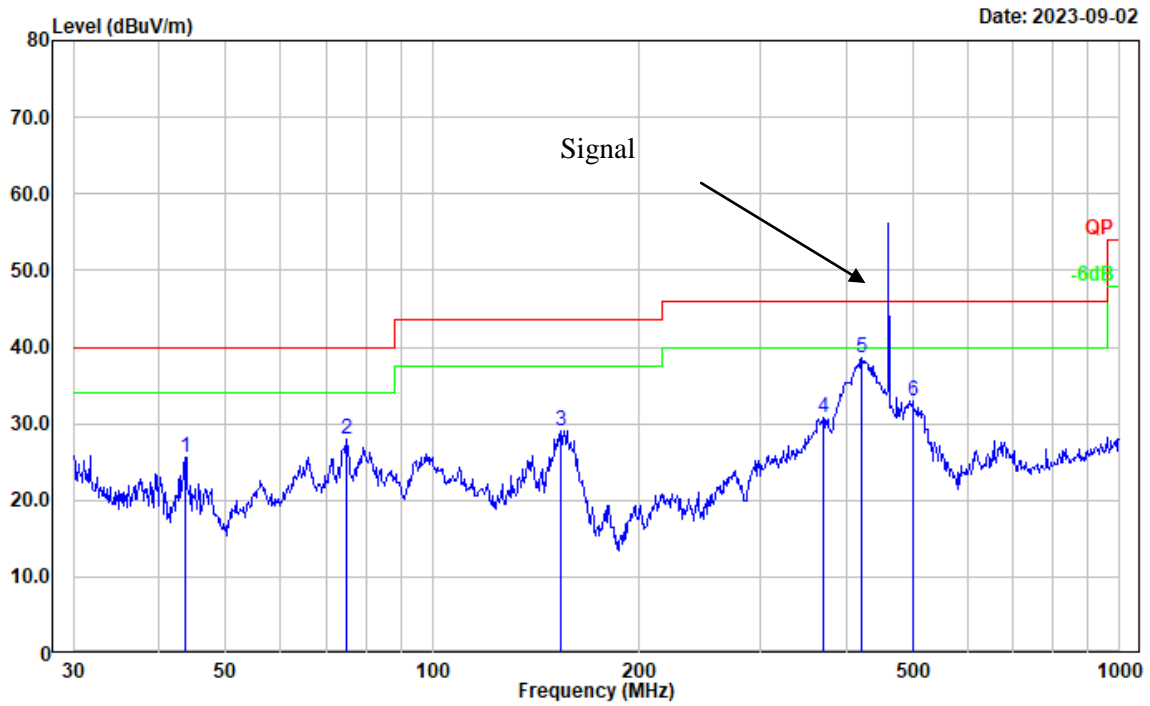
**Test Mode: M2 (RX 460MHz)**

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(460)  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	28.31	-4.00	24.31	40.00	15.69	Peak
2	79.800	39.35	-17.44	21.91	40.00	18.09	Peak
3	96.775	38.83	-15.13	23.70	43.50	19.80	Peak
4	313.276	38.77	-10.60	28.17	46.00	17.83	Peak
5	374.623	42.97	-9.34	33.63	46.00	12.37	Peak
6	413.271	46.65	-8.23	38.42	46.00	7.58	Peak

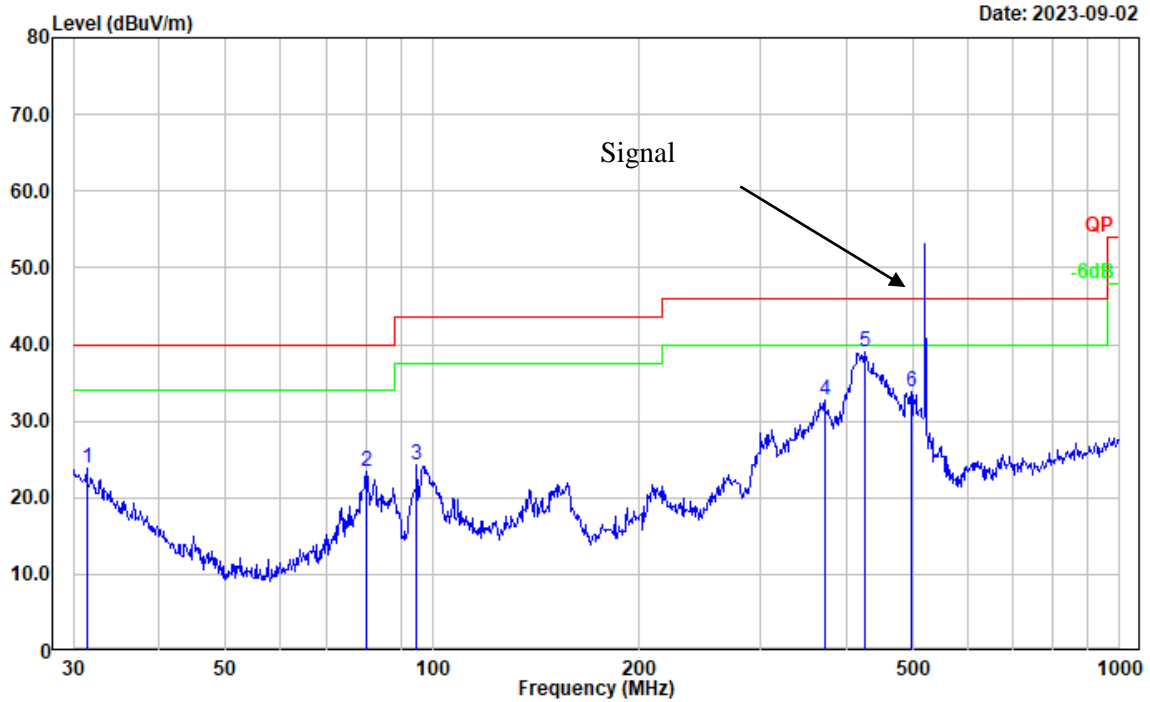
Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(460)  
 Polarization: vertical  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	43.659	39.14	-13.46	25.68	40.00	14.32	Peak
2	74.919	44.84	-16.92	27.92	40.00	12.08	Peak
3	153.739	41.14	-12.01	29.13	43.50	14.37	Peak
4	370.702	40.31	-9.49	30.82	46.00	15.18	Peak
5	422.058	46.52	-7.83	38.69	46.00	7.31	Peak
6	499.425	39.02	-6.01	33.01	46.00	12.99	Peak

**Test Mode: M2 (RX 519.9875MHz)**

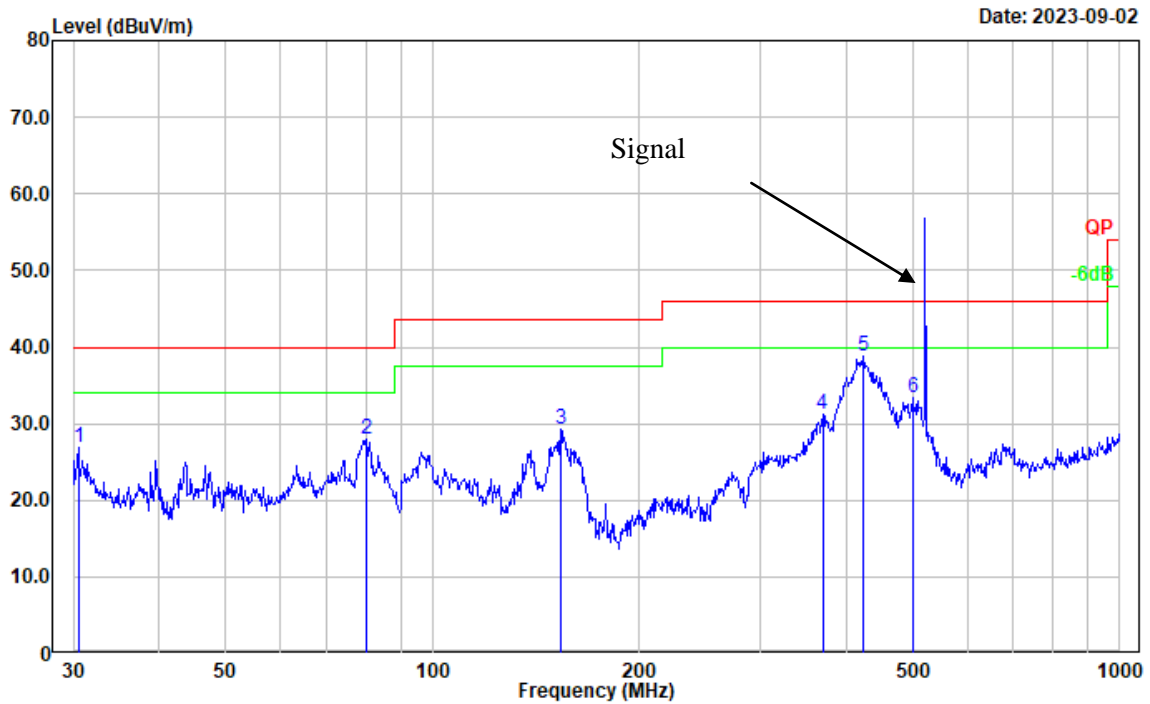
Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(519.9875)  
 Polarization: horizontal  
 Note:



Date: 2023-09-02

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.399	28.60	-4.67	23.93	40.00	16.07	Peak
2	80.081	40.93	-17.46	23.47	40.00	16.53	Peak
3	94.760	40.05	-15.69	24.36	43.50	19.14	Peak
4	372.005	42.12	-9.45	32.67	46.00	13.33	Peak
5	425.028	46.68	-7.71	38.97	46.00	7.03	Peak
6	497.677	39.81	-6.07	33.74	46.00	12.26	Peak

Project No.: CR230633393-RF  
 Tester: Carl Xue  
 Test Mode: Charging&Receiving(519.9875)  
 Polarization: vertical  
 Note:



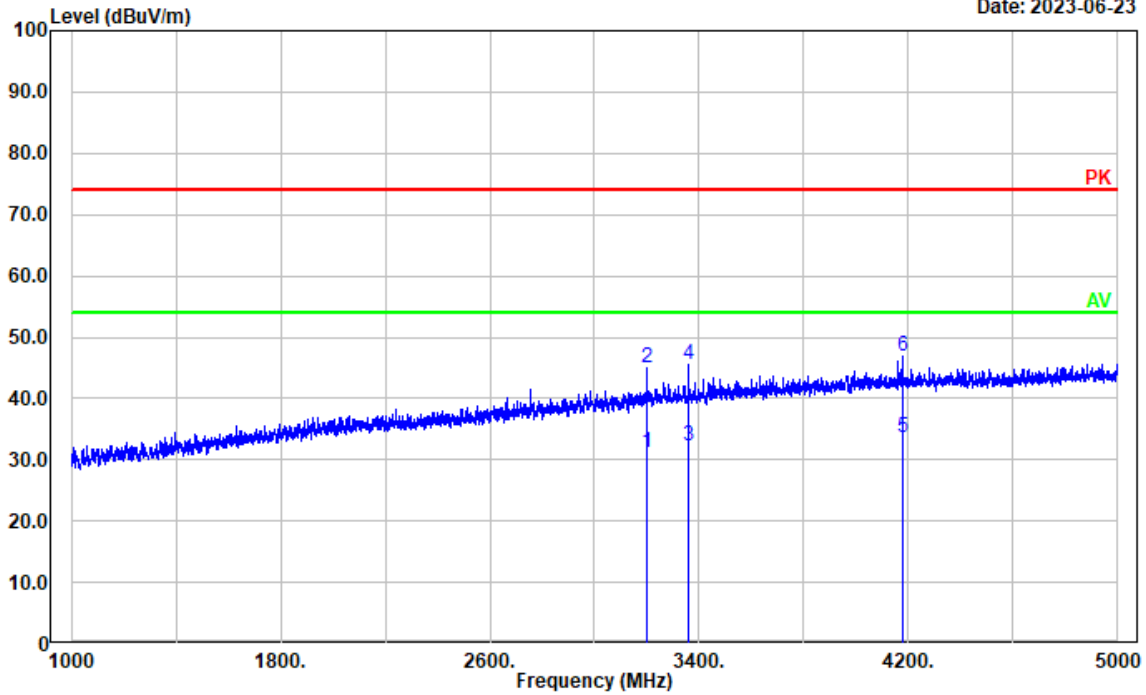
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	30.93	-4.00	26.93	40.00	13.07	Peak
2	80.081	45.37	-17.46	27.91	40.00	12.09	Peak
3	153.739	41.32	-12.01	29.31	43.50	14.19	Peak
4	369.405	40.73	-9.53	31.20	46.00	14.80	Peak
5	423.540	46.66	-7.77	38.89	46.00	7.11	Peak
6	499.425	39.43	-6.01	33.42	46.00	12.58	Peak

2) Above 1GHz

Test Mode: MI

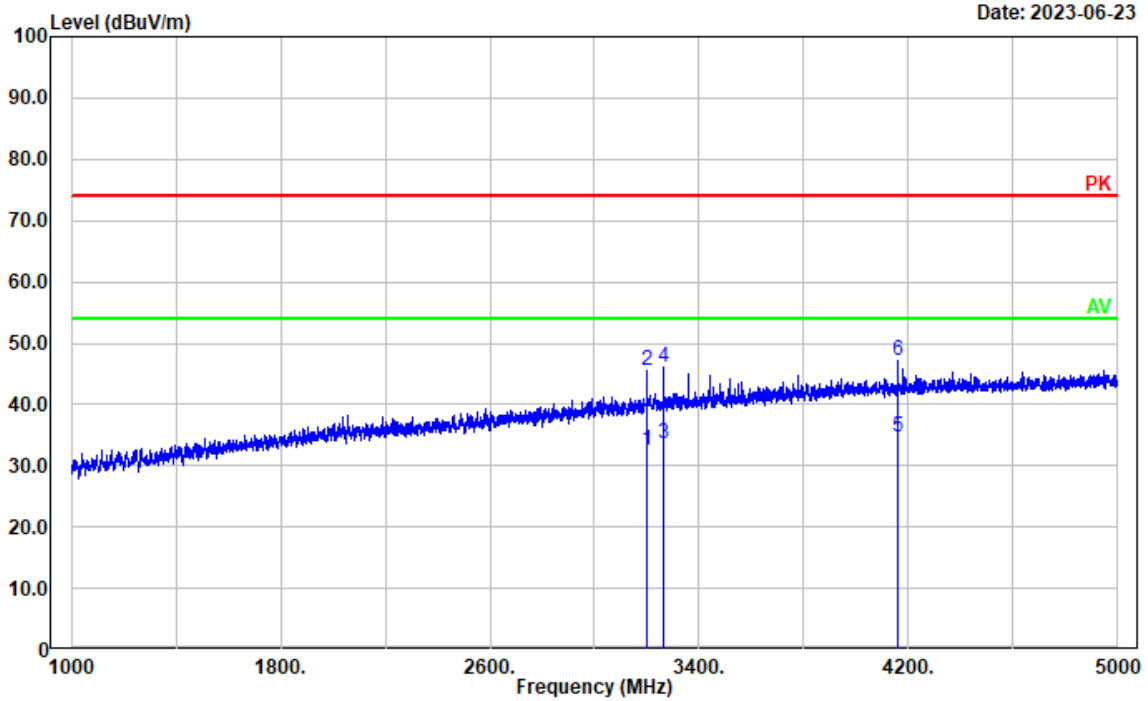
Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging& Scanning  
 Polarization: horizontal  
 Note:

Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3200.440	24.49	6.76	31.25	54.00	22.75	Average
2	3200.440	38.14	6.76	44.90	74.00	29.10	Peak
3	3359.672	25.19	7.14	32.33	54.00	21.67	Average
4	3359.672	38.45	7.14	45.59	74.00	28.41	Peak
5	4175.835	23.90	9.57	33.47	54.00	20.53	Average
6	4175.835	37.32	9.57	46.89	74.00	27.11	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging& Scanning  
 Polarization: vertical  
 Note:



Date: 2023-06-23

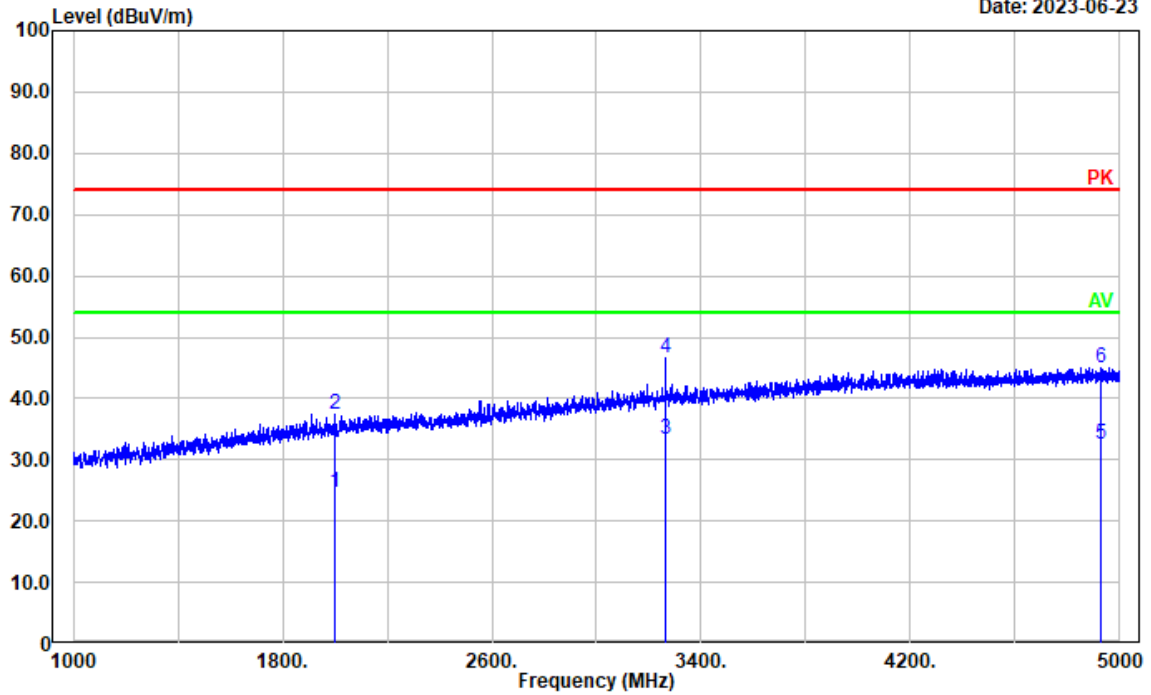
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3199.640	25.82	6.76	32.58	54.00	21.42	Average
2	3199.640	38.76	6.76	45.52	74.00	28.48	Peak
3	3264.453	26.75	6.94	33.69	54.00	20.31	Average
4	3264.453	39.19	6.94	46.13	74.00	27.87	Peak
5	4159.832	25.06	9.51	34.57	54.00	19.43	Average
6	4159.832	37.57	9.51	47.08	74.00	26.92	Peak



**Test Mode: M2 (RX 136.0125MHz)**

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: horizontal  
 Note:

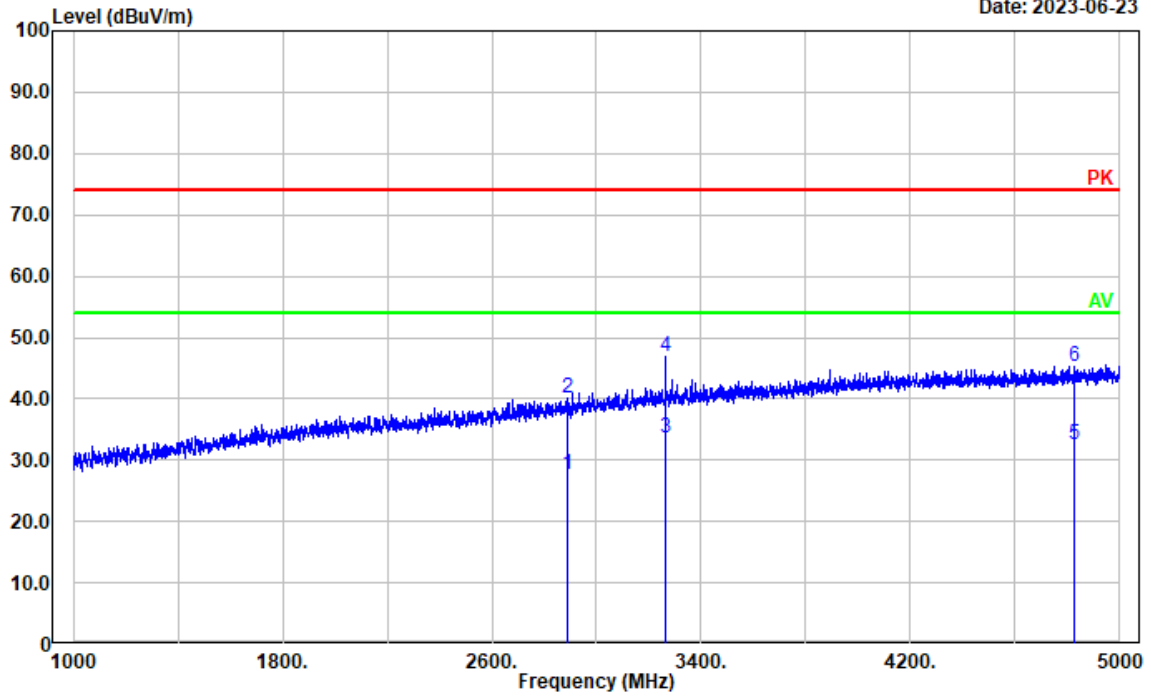
Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1998.600	22.38	2.31	24.69	54.00	29.31	Average
2	1998.600	34.98	2.31	37.29	74.00	36.71	Peak
3	3264.453	26.34	6.94	33.28	54.00	20.72	Average
4	3264.453	39.61	6.94	46.55	74.00	27.45	Peak
5	4928.786	21.36	11.20	32.56	54.00	21.44	Average
6	4928.786	33.88	11.20	45.08	74.00	28.92	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: vertical  
 Note:

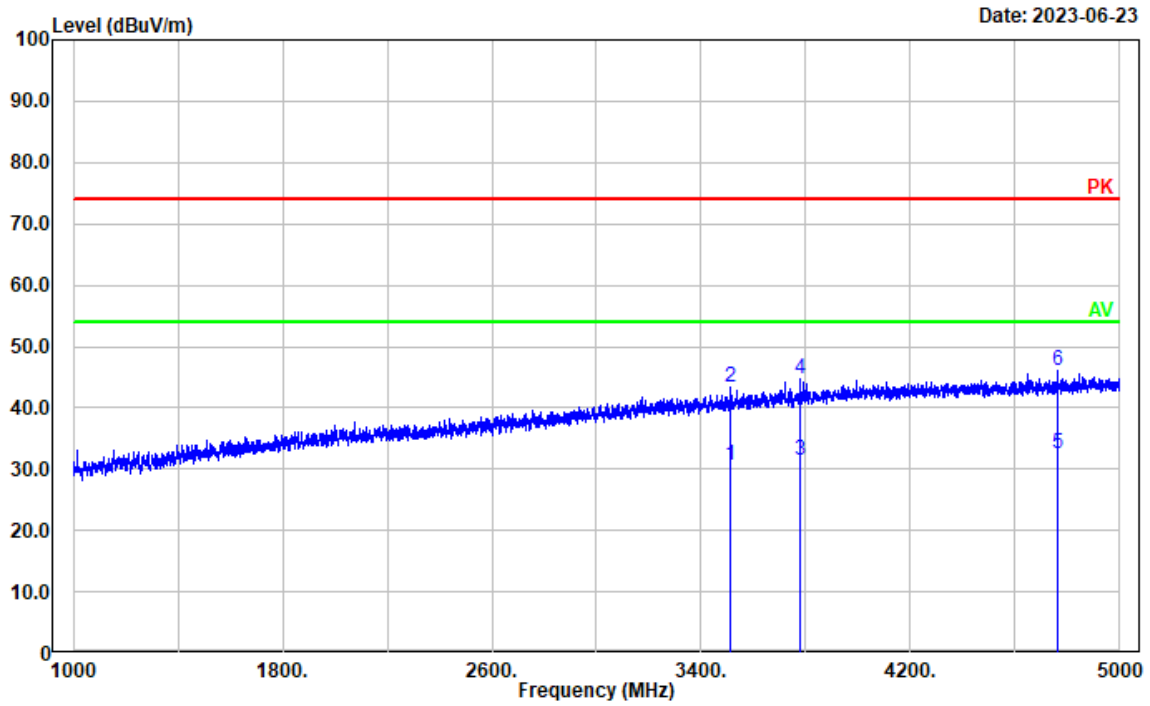
Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2889.978	22.03	5.56	27.59	54.00	26.41	Average
2	2889.978	34.45	5.56	40.01	74.00	33.99	Peak
3	3264.453	26.70	6.94	33.64	54.00	20.36	Average
4	3264.453	39.83	6.94	46.77	74.00	27.23	Peak
5	4823.965	21.54	10.94	32.48	54.00	21.52	Average
6	4823.965	34.33	10.94	45.27	74.00	28.73	Peak

**Test Mode: M2 (RX 155MHz)**

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: horizontal  
 Note:

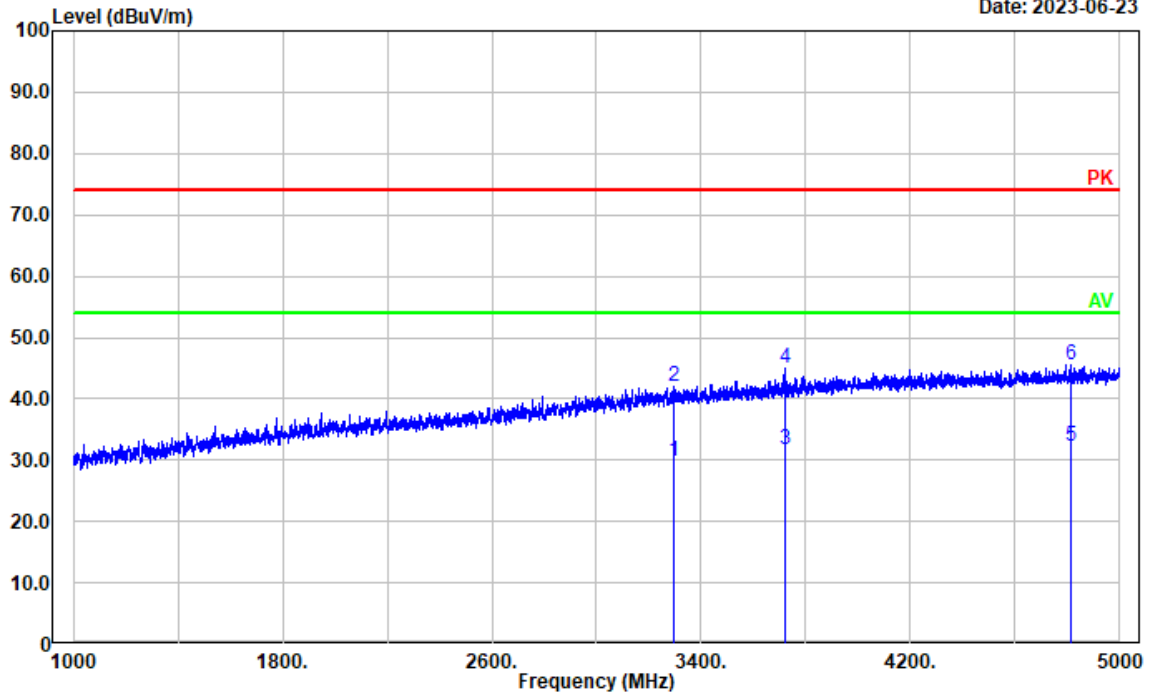


Date: 2023-06-23

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3511.702	23.00	7.66	30.66	54.00	23.34	Average
2	3511.702	35.63	7.66	43.29	74.00	30.71	Peak
3	3778.156	22.84	8.64	31.48	54.00	22.52	Average
4	3778.156	36.18	8.64	44.82	74.00	29.18	Peak
5	4761.552	21.78	10.76	32.54	54.00	21.46	Average
6	4761.552	35.20	10.76	45.96	74.00	28.04	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: vertical  
 Note:

Date: 2023-06-23

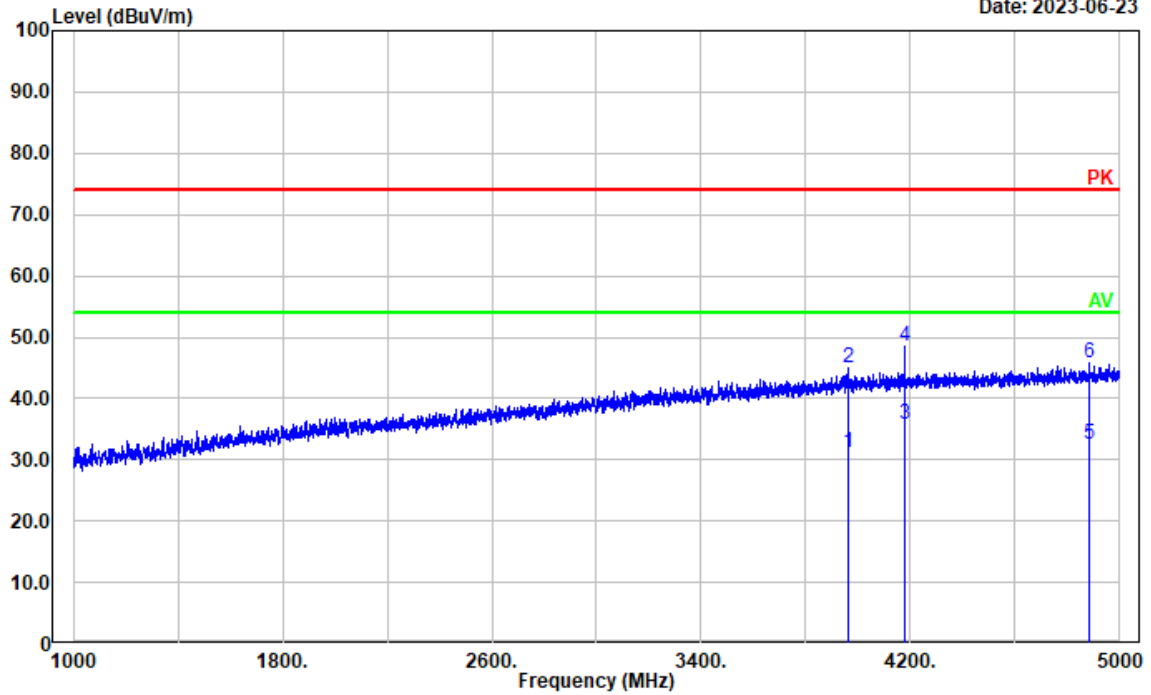


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3293.259	22.84	7.01	29.85	54.00	24.15	Average
2	3293.259	35.13	7.01	42.14	74.00	31.86	Peak
3	3720.544	23.19	8.39	31.58	54.00	22.42	Average
4	3720.544	36.53	8.39	44.92	74.00	29.08	Peak
5	4815.963	21.40	10.93	32.33	54.00	21.67	Average
6	4815.963	34.72	10.93	45.65	74.00	28.35	Peak

**Test Mode: M2 (RX 173.9875 MHz)**

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: horizontal  
 Note:

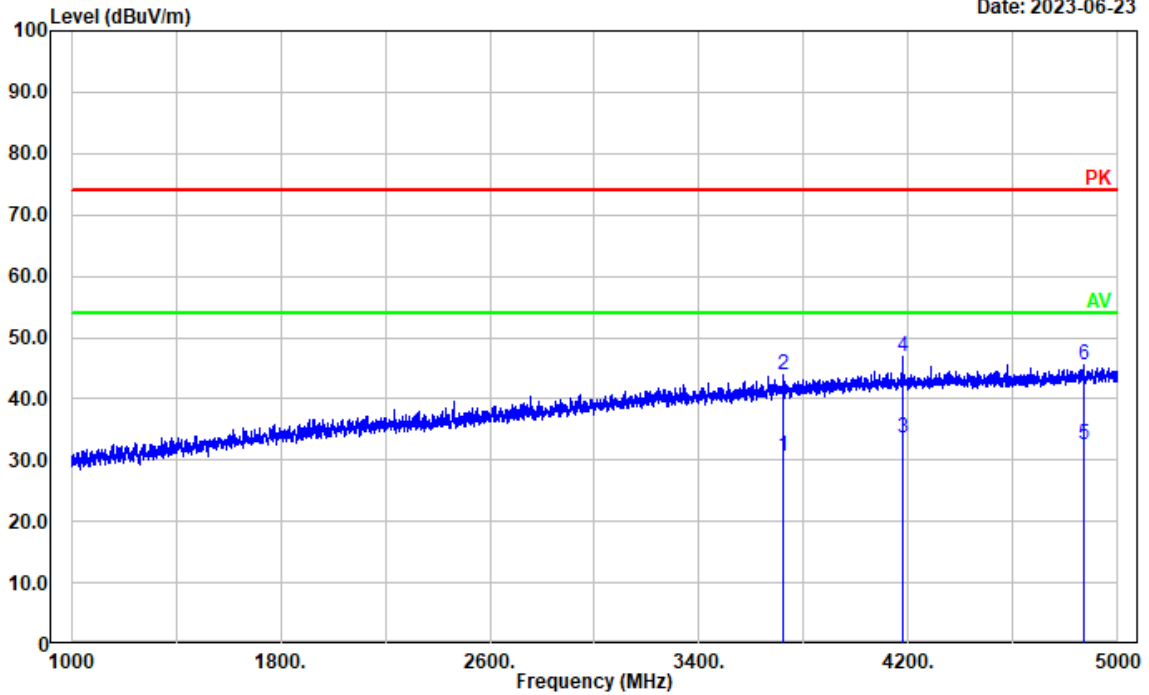
Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3959.792	21.99	9.26	31.25	54.00	22.75	Average
2	3959.792	35.64	9.26	44.90	74.00	29.10	Peak
3	4175.835	26.12	9.57	35.69	54.00	18.31	Average
4	4175.835	38.84	9.57	48.41	74.00	25.59	Peak
5	4881.576	21.50	11.07	32.57	54.00	21.43	Average
6	4881.576	34.67	11.07	45.74	74.00	28.26	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: vertical  
 Note:

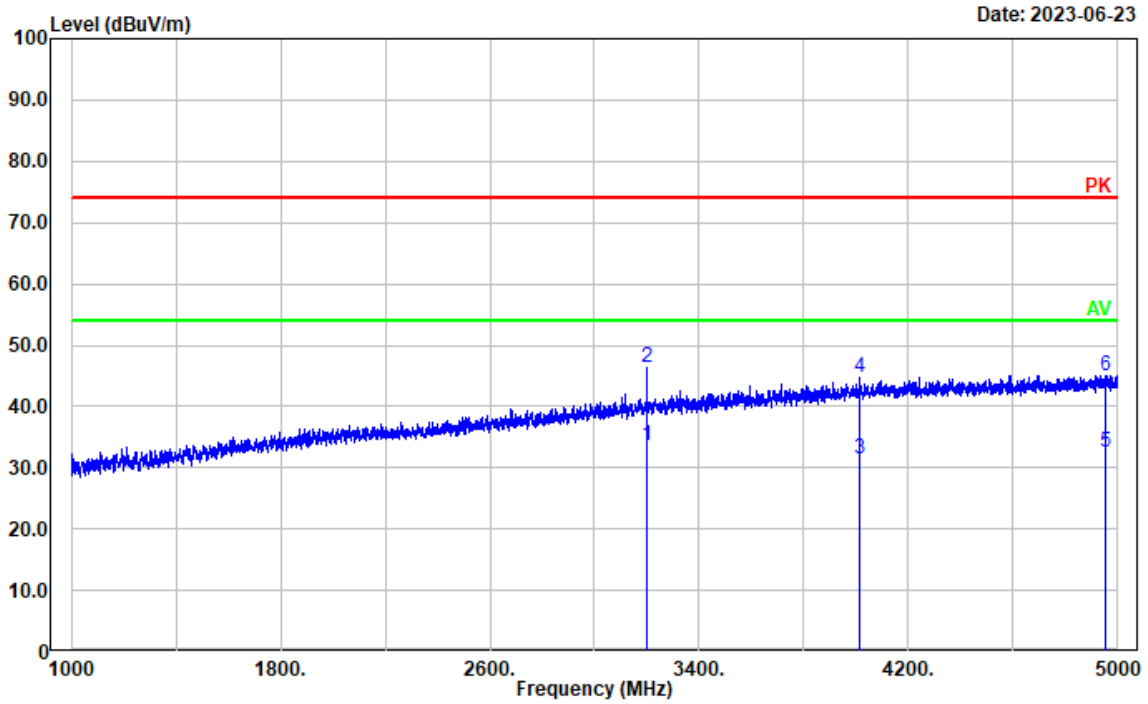
Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3722.945	22.29	8.40	30.69	54.00	23.31	Average
2	3722.945	35.40	8.40	43.80	74.00	30.20	Peak
3	4175.835	24.02	9.57	33.59	54.00	20.41	Average
4	4175.835	37.24	9.57	46.81	74.00	27.19	Peak
5	4867.974	21.38	11.03	32.41	54.00	21.59	Average
6	4867.974	34.52	11.03	45.55	74.00	28.45	Peak

**Test Mode: M2 (RX 400.0125MHz)**

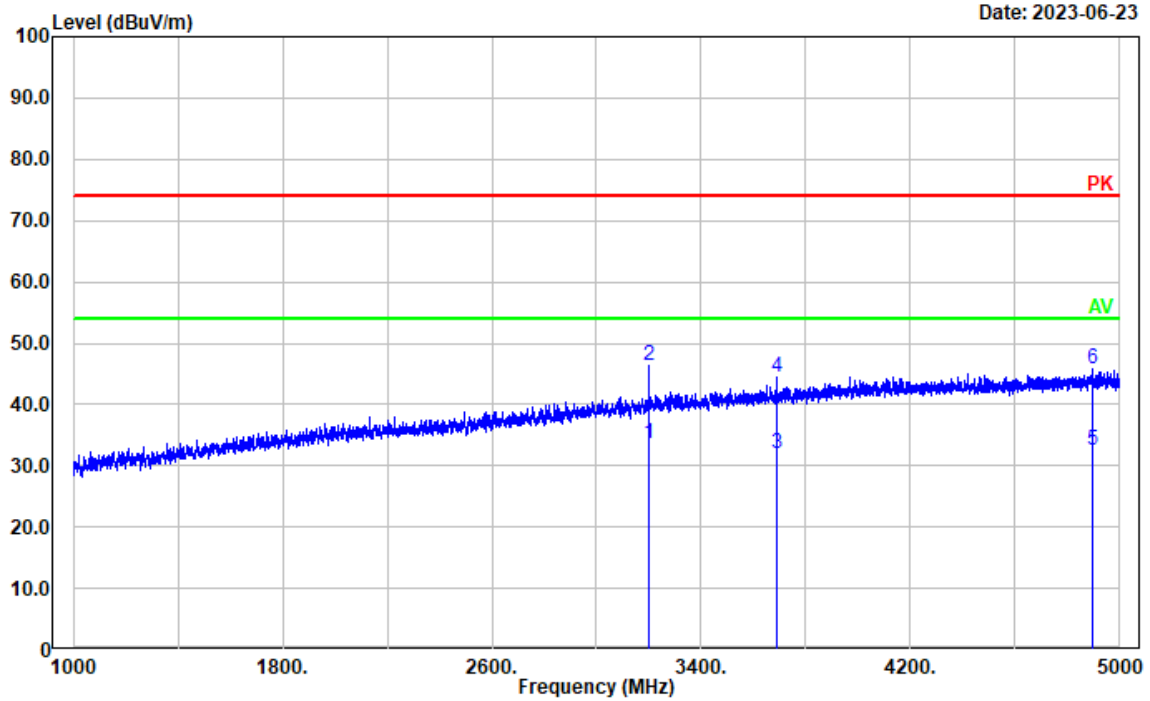
Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: horizontal  
 Note:



Date: 2023-06-23

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3200.440	26.89	6.76	33.65	54.00	20.35	Average
2	3200.440	39.60	6.76	46.36	74.00	27.64	Peak
3	4015.803	22.18	9.36	31.54	54.00	22.46	Average
4	4015.803	35.40	9.36	44.76	74.00	29.24	Peak
5	4955.991	21.26	11.24	32.50	54.00	21.50	Average
6	4955.991	33.82	11.24	45.06	74.00	28.94	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: vertical  
 Note:



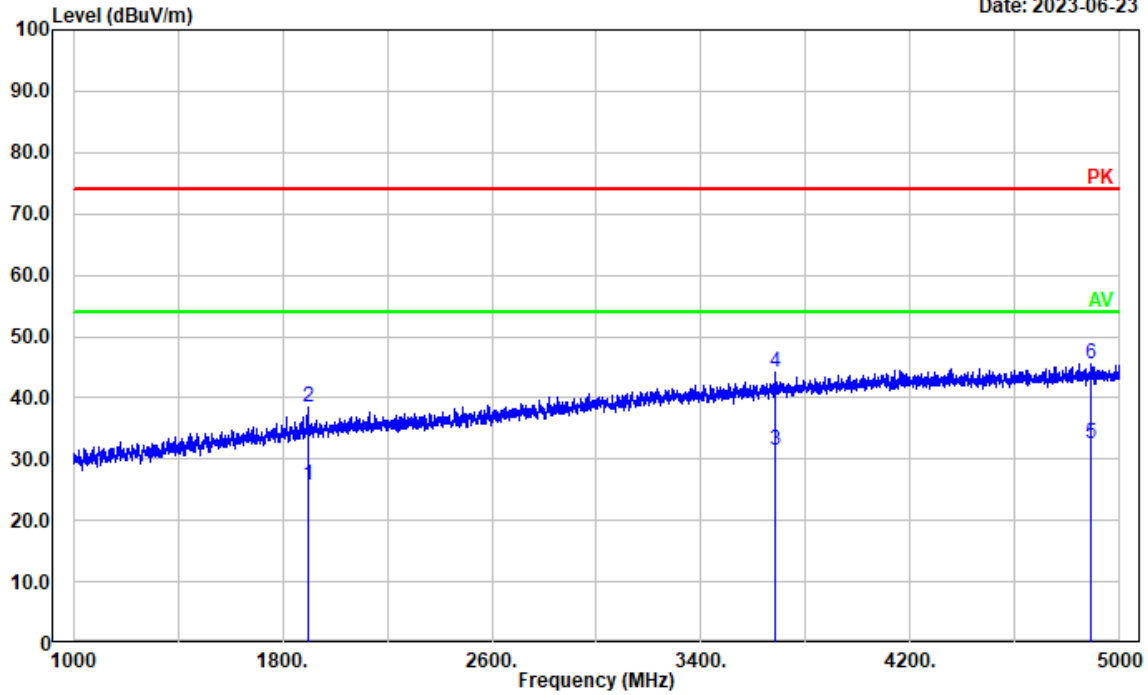
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3199.640	26.85	6.76	33.61	54.00	20.39	Average
2	3199.640	39.47	6.76	46.23	74.00	27.77	Peak
3	3687.738	23.81	8.29	32.10	54.00	21.90	Average
4	3687.738	36.09	8.29	44.38	74.00	29.62	Peak
5	4895.179	21.32	11.11	32.43	54.00	21.57	Average
6	4895.179	34.81	11.11	45.92	74.00	28.08	Peak



**Test Mode: M2 (RX 460MHz)**

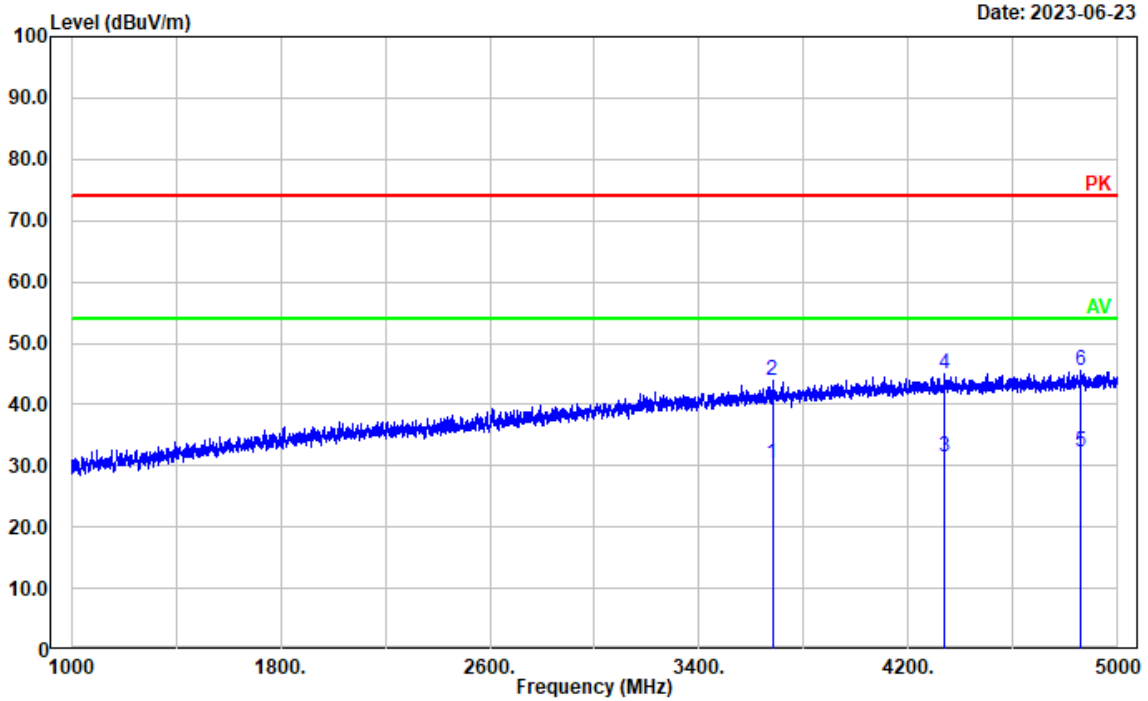
Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: horizontal  
 Note:

Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	1895.379	23.84	1.85	25.69	54.00	28.31	Average
2	1895.379	36.59	1.85	38.44	74.00	35.56	Peak
3	3680.536	23.23	8.24	31.47	54.00	22.53	Average
4	3680.536	36.04	8.24	44.28	74.00	29.72	Peak
5	4890.378	21.43	11.10	32.53	54.00	21.47	Average
6	4890.378	34.49	11.10	45.59	74.00	28.41	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: vertical  
 Note:

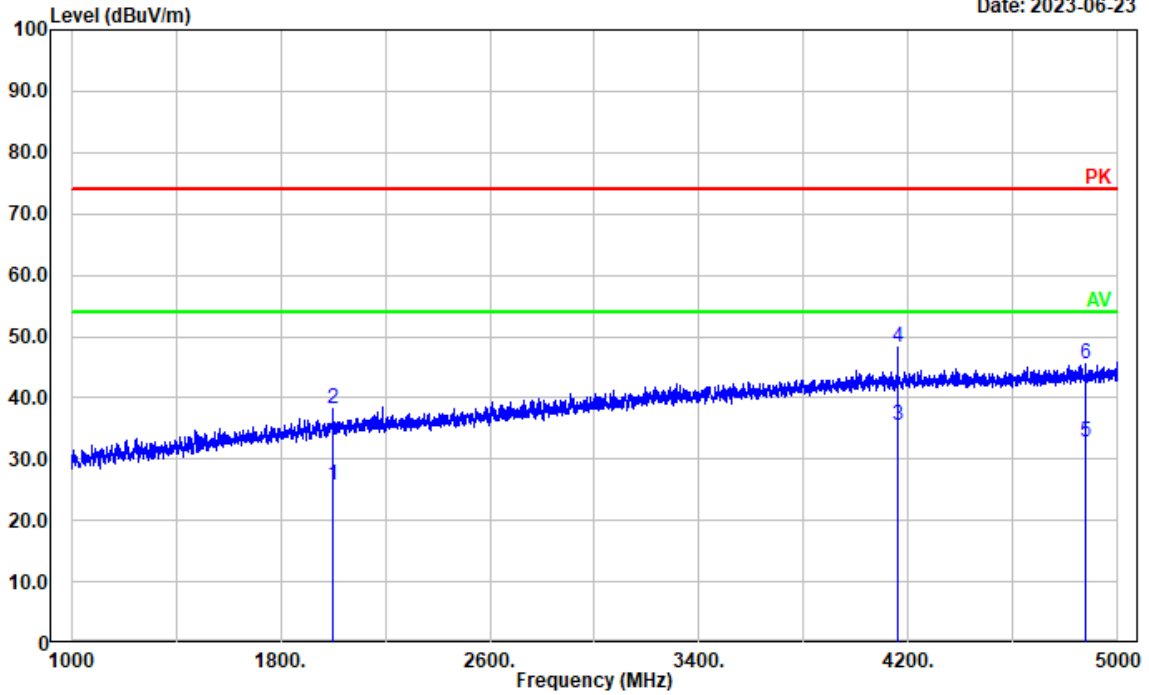


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3679.736	22.15	8.24	30.39	54.00	23.61	Average
2	3679.736	35.62	8.24	43.86	74.00	30.14	Peak
3	4339.868	21.68	9.77	31.45	54.00	22.55	Average
4	4339.868	35.10	9.77	44.87	74.00	29.13	Peak
5	4857.571	21.31	10.99	32.30	54.00	21.70	Average
6	4857.571	34.63	10.99	45.62	74.00	28.38	Peak

**Test Mode: M2 (RX 519.9875MHz)**

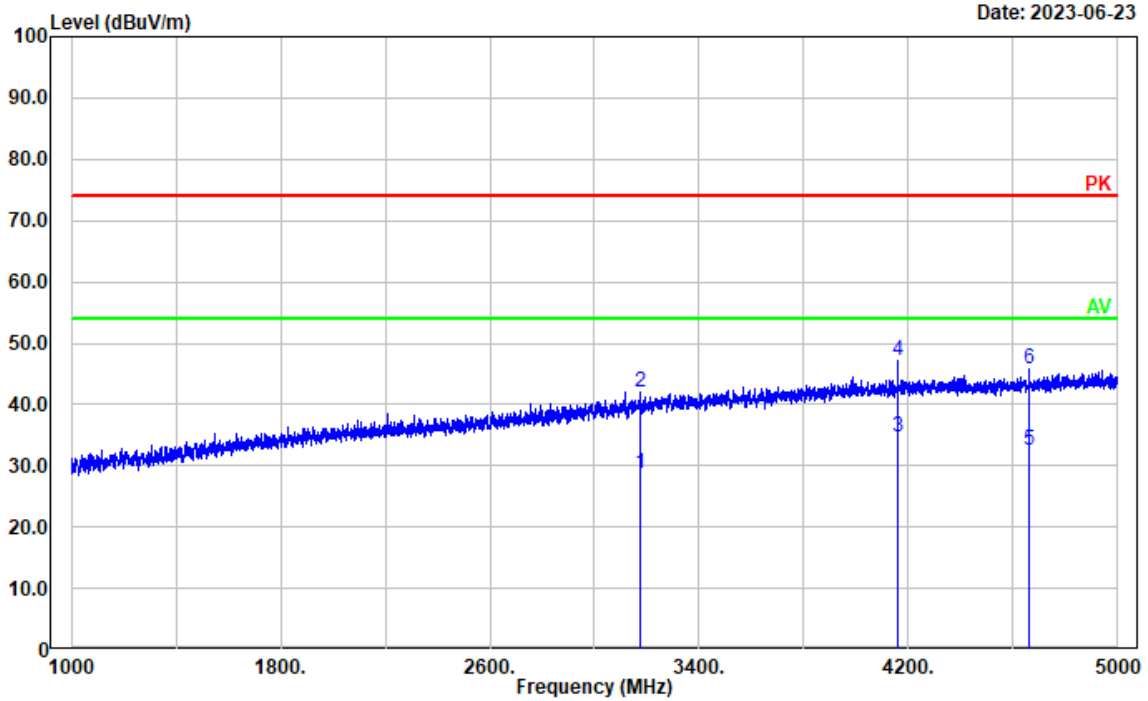
Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: horizontal  
 Note:

Date: 2023-06-23



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	2001.000	23.35	2.32	25.67	54.00	28.33	Average
2	2001.000	35.80	2.32	38.12	74.00	35.88	Peak
3	4159.832	25.96	9.51	35.47	54.00	18.53	Average
4	4159.832	38.62	9.51	48.13	74.00	25.87	Peak
5	4879.176	21.59	11.07	32.66	54.00	21.34	Average
6	4879.176	34.44	11.07	45.51	74.00	28.49	Peak

Project No.: CR230633393-RF  
 Tester: Tao Zhu  
 Test Mode: Charging&Receiving  
 Polarization: vertical  
 Note:



Date: 2023-06-23

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	3174.035	21.96	6.68	28.64	54.00	25.36	Average
2	3174.035	35.28	6.68	41.96	74.00	32.04	Peak
3	4159.832	25.11	9.51	34.62	54.00	19.38	Average
4	4159.832	37.56	9.51	47.07	74.00	26.93	Peak
5	4659.932	22.09	10.49	32.58	54.00	21.42	Average
6	4659.932	35.36	10.49	45.85	74.00	28.15	Peak

**4.3 Antenna Power Conduction Limits for Receivers**

Serial Number:	26SP-2	Test Date:	2023/9/19
Test Site:	RF	Test Mode:	Scanning, Receiving
Tester:	Morpheus Shi	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	26.2	Relative Humidity: (%)	68	ATM Pressure: (kPa)	100.6
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**Test Equipment List and Details:**

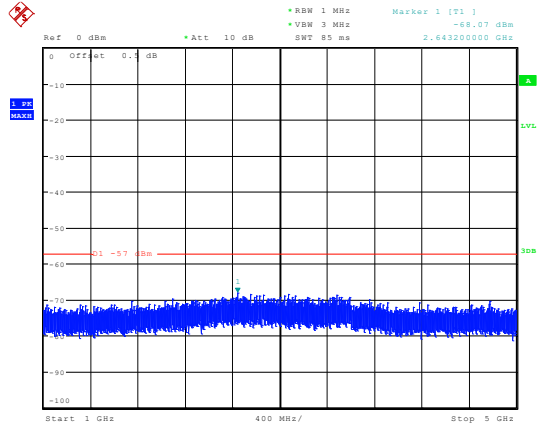
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSU26	200445	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A

\* 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

136-520	
1	<p>Ref: 0 dBm, Att: 10 dB, RBW: 1 kHz, VBW: 3 kHz, SWT: 145 ms, Marker 1 [71]: 64.850100000 kHz, -57.90 dBm</p> <p>Start: 9 kHz, Stop: 150 kHz</p> <p>ProjectNo.: CR230633393-RF Tester: Morpheus Shi Date: 19.SEP.2023 14:04:25</p>
2	<p>Ref: 0 dBm, Att: 10 dB, RBW: 10 kHz, VBW: 30 kHz, SWT: 300 ms, Marker 1 [71]: 193.282500000 MHz, -78.14 dBm</p> <p>Start: 150 kHz, Stop: 30 MHz</p> <p>ProjectNo.: CR230633393-RF Tester: Morpheus Shi Date: 19.SEP.2023 14:10:23</p>
3	<p>Ref: 0 dBm, Att: 10 dB, RBW: 100 kHz, VBW: 300 kHz, SWT: 100 ms, Marker 1 [71]: 448.603500000 MHz, -73.22 dBm</p> <p>Start: 30 MHz, Stop: 1 GHz</p> <p>ProjectNo.: CR230633393-RF Tester: Morpheus Shi Date: 19.SEP.2023 14:26:34</p>

4



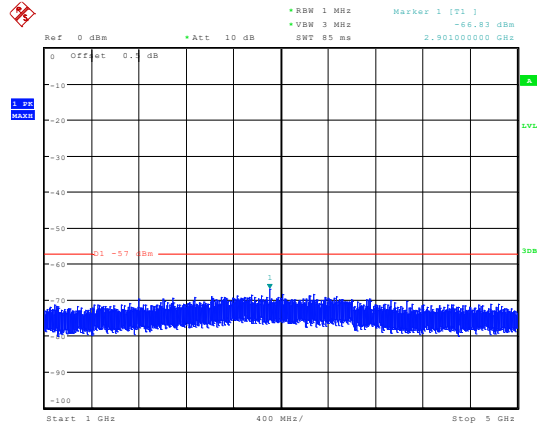
ProjectNo.:CR230633393-RF    Tester:Morpheus Shi  
Date: 19.SEP.2023 14:33:39

Test Mode: M2

136.0125 MHz	
1	<p>Ref: 0 dBm, Att: 10 dB, RBW 1 kHz, VBW 3 kHz, SWT 145 ms, Marker 1 [11] -68.03 dBm, 64.934700000 kHz</p> <p>Start 9 kHz, 14.1 kHz/, Stop 150 kHz</p> <p>ProjectNo.:CR230633393-RF Tester:Morpheus Shi Date: 19.SEP.2023 14:04:56</p>
2	<p>Ref: 0 dBm, Att: 10 dB, RBW 10 kHz, VBW 30 kHz, SWT 300 ms, Marker 1 [71] -76.91 dBm, 151.790000000 kHz</p> <p>Start 150 kHz, 2.985 MHz/, Stop 30 MHz</p> <p>ProjectNo.:CR230633393-RF Tester:Morpheus Shi Date: 19.SEP.2023 14:10:57</p>
3	<p>Ref: 0 dBm, Att: 10 dB, RBW 100 kHz, VBW 300 kHz, SWT 100 ms, Marker 1 [71] -73.64 dBm, 148.970500000 MHz</p> <p>Start 30 MHz, 97 MHz/, Stop 1 GHz</p> <p>ProjectNo.:CR230633393-RF Tester:Morpheus Shi Date: 19.SEP.2023 14:27:00</p>



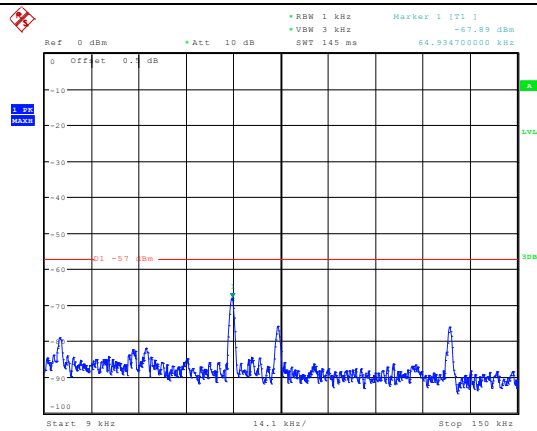
4



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:34:05

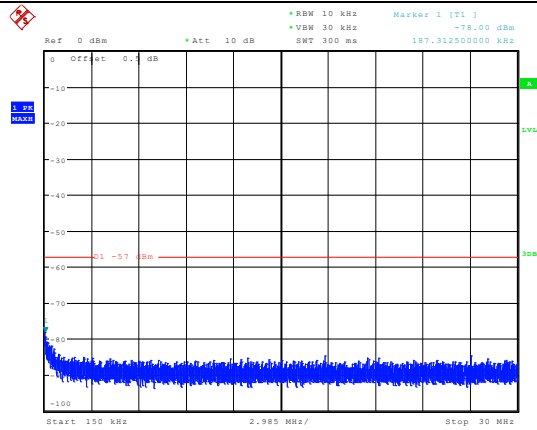
155 MHz

1



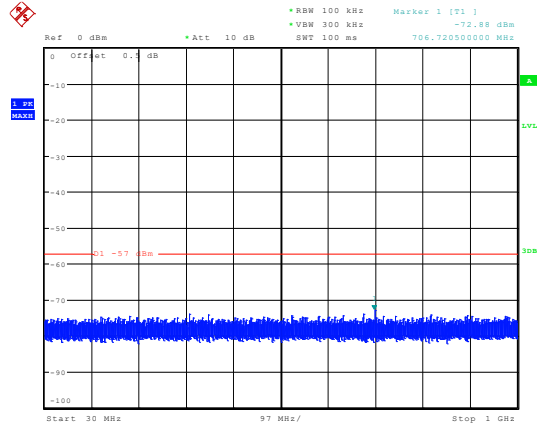
ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:05:19

2



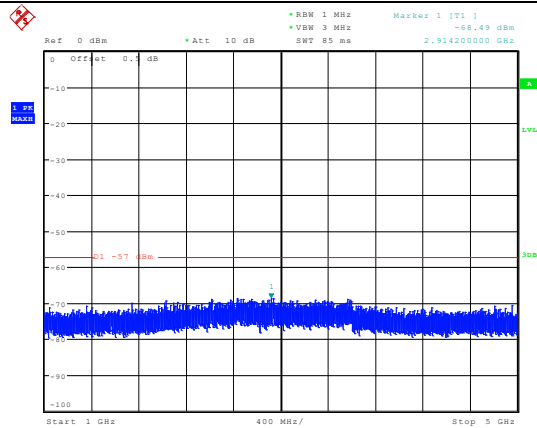
ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:19:46

3



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:27:34

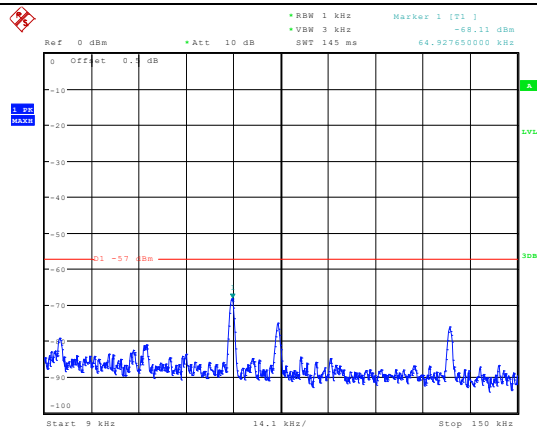
4



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:35:04

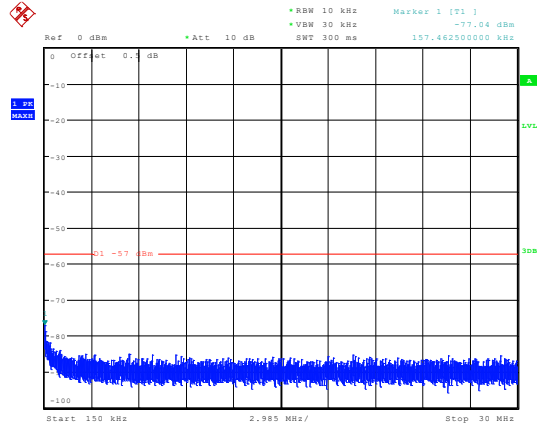
### 173.9875 MHz

1



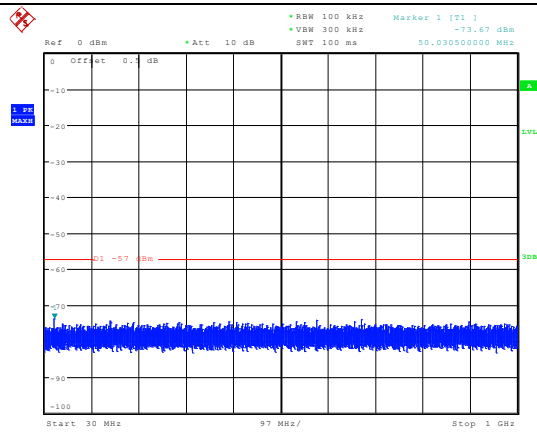
ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:05:43

2



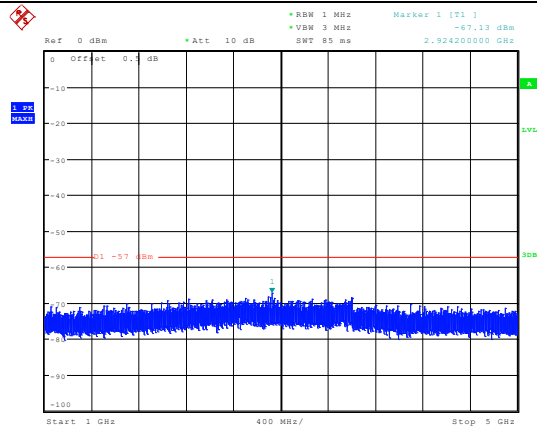
ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:20:20

3

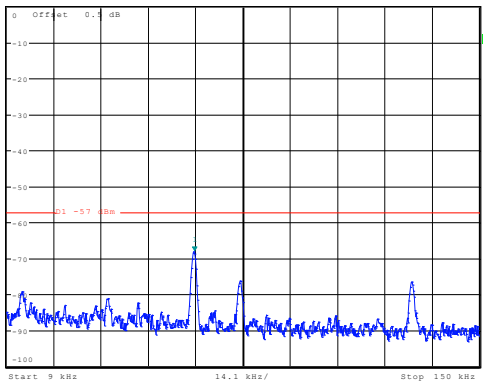
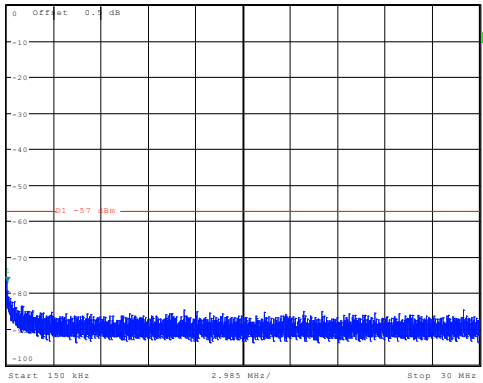
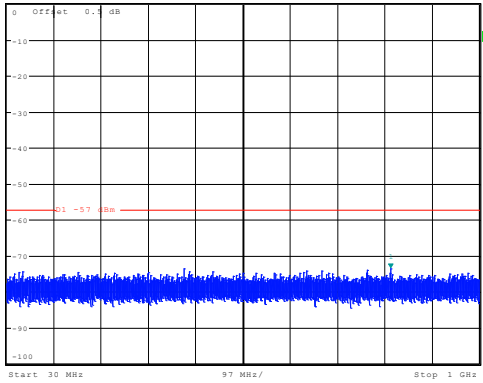


ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:20:03

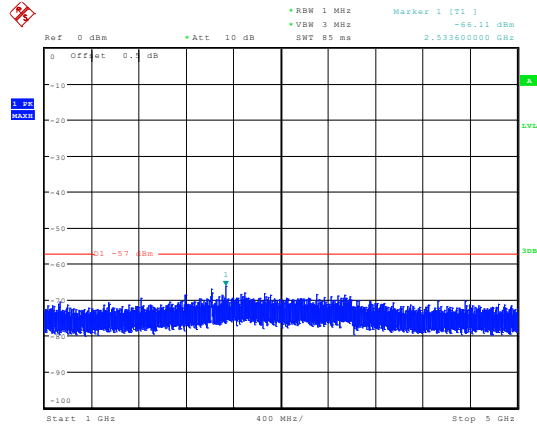
4



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:35:34

400.0125 MHz	
1	<div style="text-align: right; font-size: small;">*RBW 1 kHz    Marker 1 [71.1] *VBW 3 kHz    -68.05 dBm *Att 10 dB    64.934700000 kHz SWT 145 ms</div>  <p>Ref: 0 dBm    Off: 0.1 dB    Att: 10 dB</p> <p>Start 9 kHz    14.1 kHz/    Stop 150 kHz</p> <p>ProjectNo.:CR230633393-RF    Tester:Morpheus Shi Date: 19.SEP.2023 14:06:11</p>
2	<div style="text-align: right; font-size: small;">*RBW 10 kHz    Marker 1 [71.1] *VBW 30 kHz    -76.79 dBm *Att 10 dB    188.805000000 kHz SWT 300 ms</div>  <p>Ref: 0 dBm    Off: 0.1 dB    Att: 10 dB</p> <p>Start 150 kHz    2.985 MHz/    Stop 30 MHz</p> <p>ProjectNo.:CR230633393-RF    Tester:Morpheus Shi Date: 19.SEP.2023 14:21:02</p>
3	<div style="text-align: right; font-size: small;">*RBW 100 kHz    Marker 1 [71.1] *VBW 300 kHz    -73.34 dBm *Att 10 dB    817.882500000 MHz SWT 100 ms</div>  <p>Ref: 0 dBm    Off: 0.1 dB    Att: 10 dB</p> <p>Start 30 MHz    97 MHz/    Stop 1 GHz</p> <p>ProjectNo.:CR230633393-RF    Tester:Morpheus Shi Date: 19.SEP.2023 14:28:28</p>

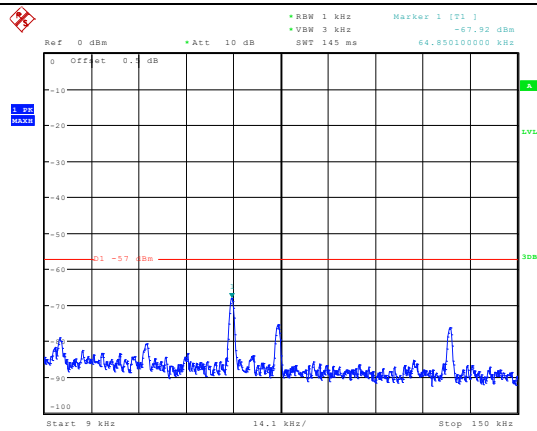
4



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:36:17

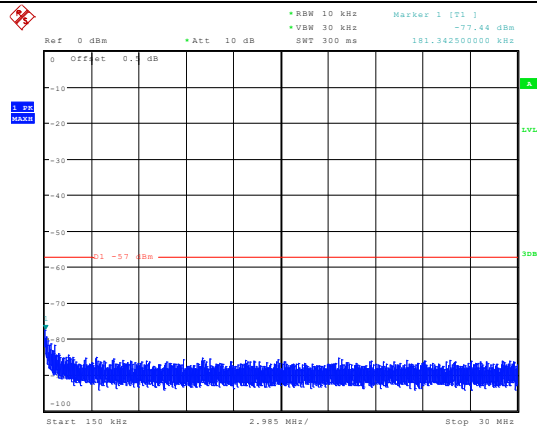
### 460 MHz

1



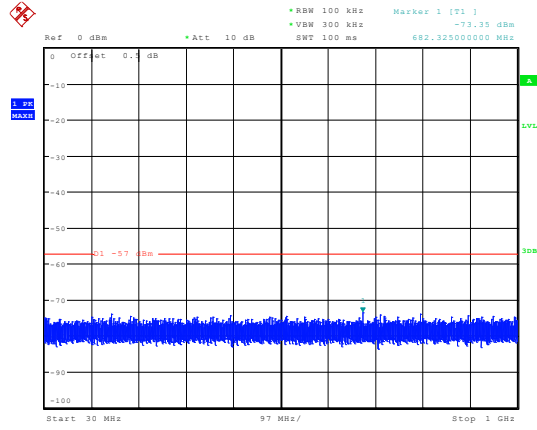
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Date: 19.SEP.2023 14:06:44

2



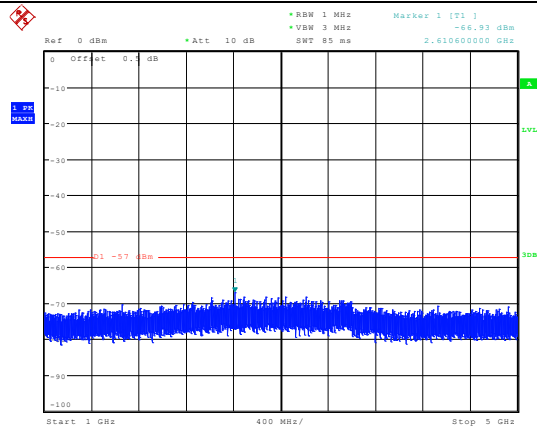
ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:21:38

3



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:28:53

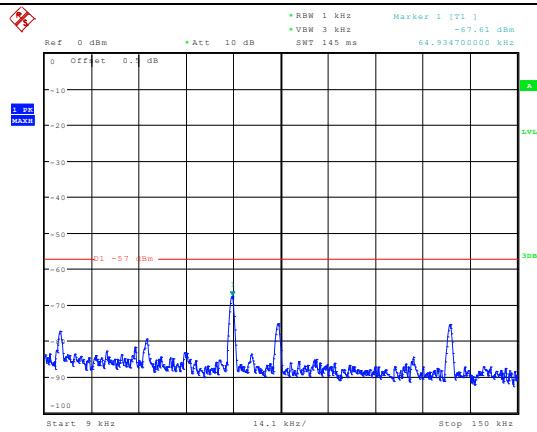
4



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:36:37

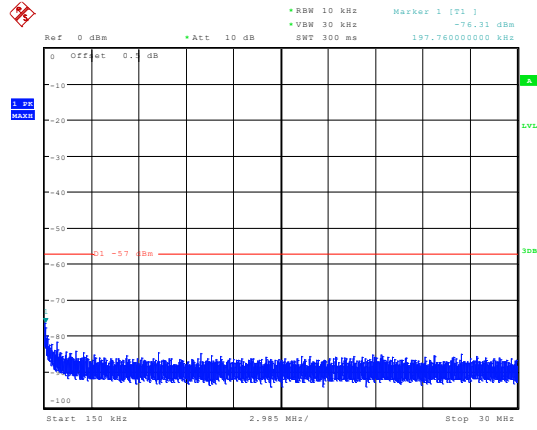
519.9875 MHz

1



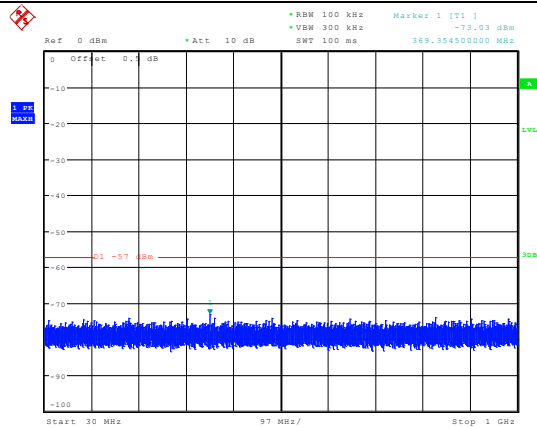
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Date: 19.SEP.2023 14:14:39

2



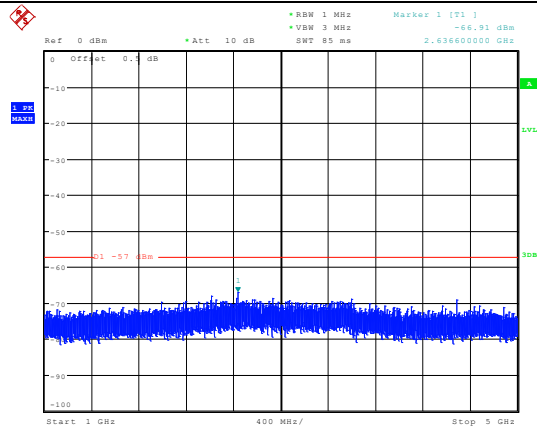
ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:22:25

3



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:29:16

4



ProjectNo.:CR230633393-RF Tester:Morpheus Shi  
Date: 19.SEP.2023 14:37:28

#### 4.4 Scanning Receivers and Frequency Converters Used with Scanning Receivers

Serial Number:	26SP-2	Test Date:	2023/9/19
Test Site:	RF	Test Mode:	Scanning
Tester:	Morpheus Shi	Test Result:	Pass

##### Environmental Conditions:

Temperature: (°C)	26.2	Relative Humidity: (%)	68	ATM Pressure: (kPa)	100.6
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##### 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
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).

##### Test Data:

Scanning Frequency Range	Test Frequency	Measurement Result (Worst Case)	Limit
MHz	MHz	dB	dB
136-174/400-520	824, 836, 849, 869, 881.5, 894	45	>38



## **5. EUT PHOTOGRAPHS**

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Please refer to the attachment CR230633393-EXP EUT EXTERNAL PHOTOGRAPHS and CR230633393-  
INP EUT INTERNAL PHOTOGRAPHS

## **6. TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment CR230633393-00A-TSP TEST SETUP PHOTOGRAPHS.

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