



**中认信通**

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



## TEST REPORT

**Applicant:** EVOTE INTERNATIONAL LIMITED

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

**FCC ID:** 2A6DTET003

**Product Name:** TWO-WAY RADIO( Amateur Radio)

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

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

**Report Number:** CR221261135-00AM2

**Date Of Issue:** 2023/5/5

**Reviewed By:** Sun Zhong *Sun Zhong*

Title: Manager

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

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

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

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

## Declarations

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

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

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**DOCUMENT REVISION HISTORY**

<b>Revision Number</b>	<b>Report Number</b>	<b>Description of Revision</b>	<b>Date of Revision</b>	<b>Note</b>
1	CR221261135-00A	Original Report	2023/4/11	/
2	CR221261135-00AM1	Revision Report	2023/4/21	Updated Scanning Operation Frequency Range
3	CR221261135-00AM2	Revision Report	2023/5/5	Updated UHF Receiving Frequency Range

## 1. GENERAL INFORMATION

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

<b>EUT Name:</b>	TWO-WAY RADIO( Amateur Radio)
<b>EUT Model:</b>	KG-Q10H
<b>Multiple Models:</b>	KG-Q10H Plus, KG-Q10HX, KG-Q10HR, KG-Q11H, KG-Q11H Plus, KG-Q11HX, KG-Q11HR, KG-Q12H, KG-Q12H Plus, KG-Q12HX, KG-Q12HR
<b>Highest Operation Frequency:</b>	999.9975MHz
<b>Rated Input Voltage:</b>	DC 7.4V from Battery DC 5V charging from USB DC 12V charging from Charger Base
<b>Serial Number:</b>	1V8R-1
<b>EUT Received Date:</b>	2022/12/14
<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
Adapter	Unknown	DSX-120050L-US	Input: AC 100-240V~50/60Hz 0.3A Output: DC 12V=0.5A

### Operation Frequency And Test Channel:

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
VHF Receiving	50-54, 108-174.9975, 222-225	50.0125, 53.9875, 108.0125, 141, 174.9975, 222.0125, 224.9875
UHF Receiving	320-479.9975, 714-824, 849-869, 894-999.9975	320.0125, 400, 479.9975, 714.0125, 857, 999.9975
Scanning	50-824, 849-869, 894-960	/
FM	76-108	76.1, 92, 107.9

## 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 (base) M2: Charging + Scanning (USB) M3: Charging + Receiving M4: Charging + FM Receiving
<b>Equipment Modifications:</b>	No
<b>EUT Exercise Software:</b>	No

### 1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Jian Aohai	Adapter (AE)	A8-050200U-US3	AD220930002
HP	RF Communications Test Set	8920A	3438A05209
/	Antenna	/	/
/	Earphone	/	/

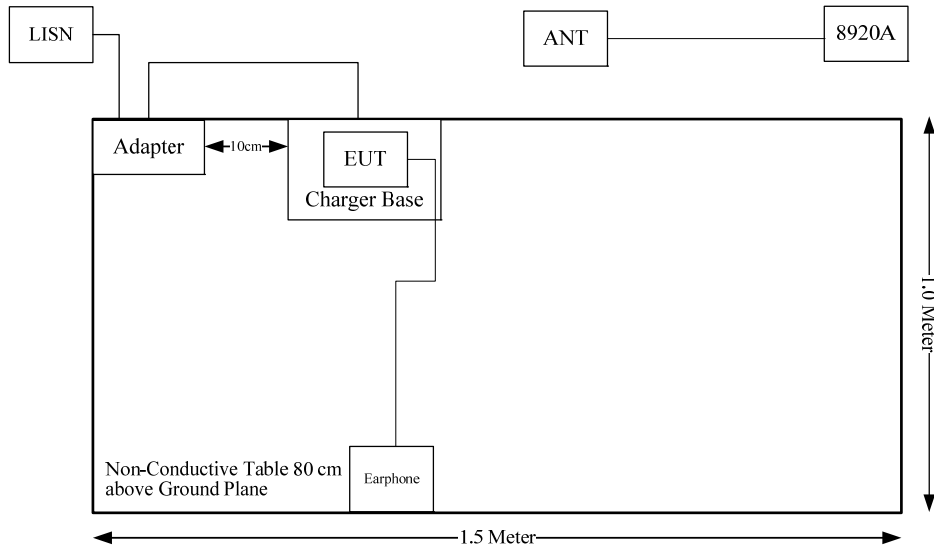
### 1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Adapter cable	No	No	1.2	Adapter	Charging base
Antenna cable	No	No	1.5	8920A	Antenna
USB cable	No	No	1	Adapter (AE)	EUT

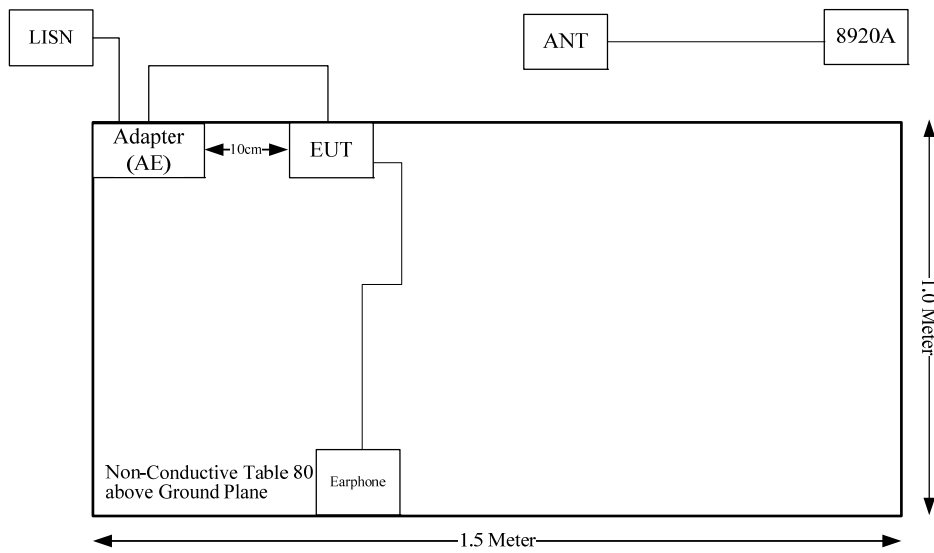
**1.2.4 Block Diagram of Test Setup**

**CE:**

M1/M3/M4:

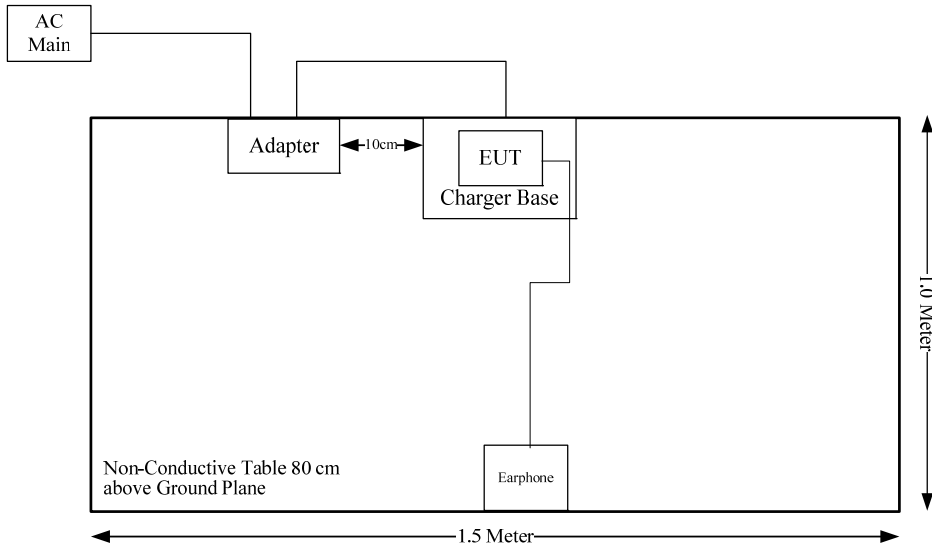


M2:

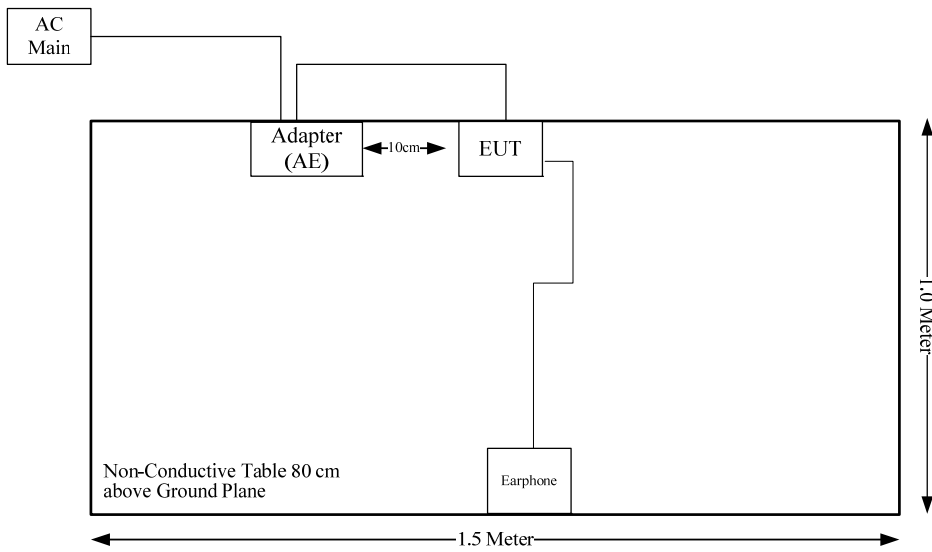


RE:

M1:

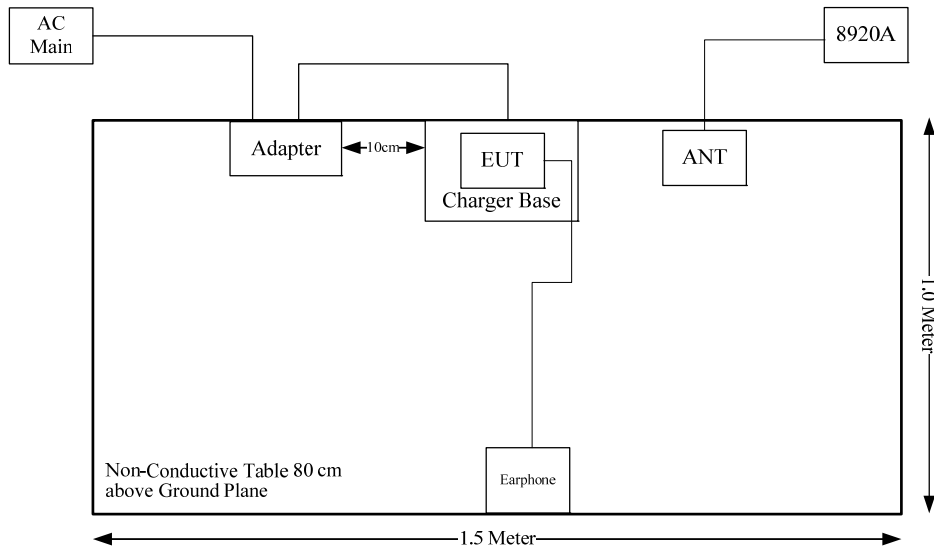


M2:





M3/M4:



### 1.3 Measurement Uncertainty

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

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

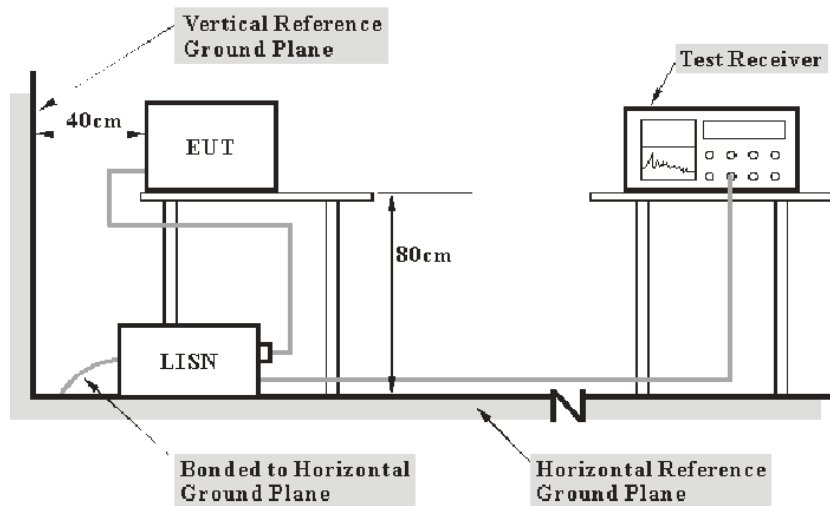
**2. SUMMARY OF TEST RESULTS**

<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

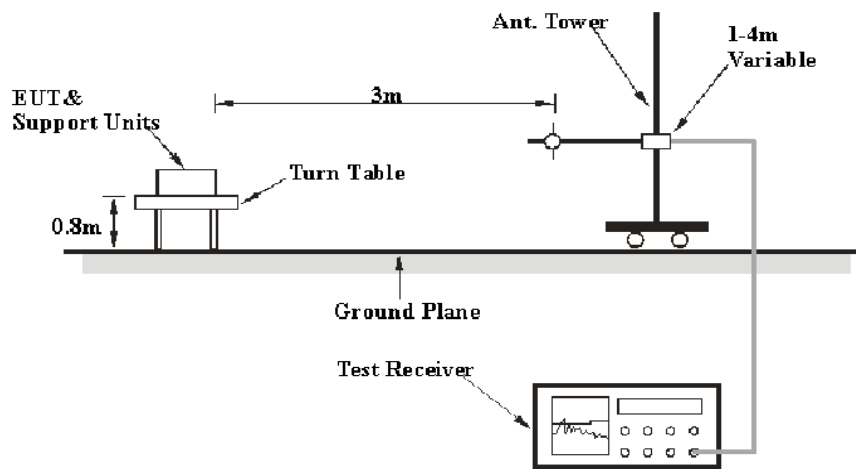
The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

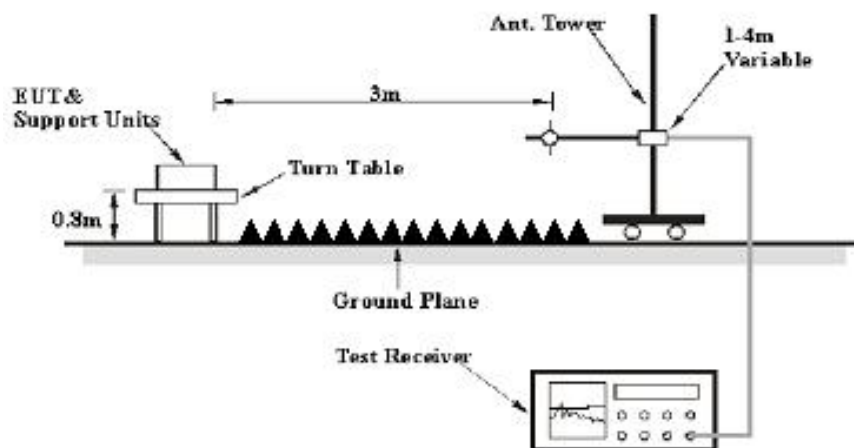
## 3.2 Radiation Spurious Emissions

### 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:

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

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

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

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

### **3.3 Antenna Power Conduction Limits for Receivers**

#### **3.3.1 Applicable Standard**

FCC§15.111.

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

#### **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

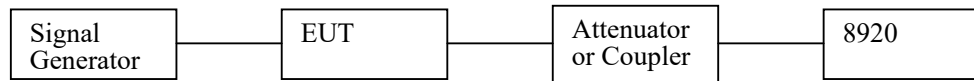
#### Applicable Standard

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 Signal Generator output power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB; These output level of the Signal Generator at each channel frequency is the sensitivity of the EUT;
5. Select the lowest or worst case sensitivity level for all of the bands as the reference sensitivity;
6. Adjust the Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step 5 and its frequency to the frequency point in the Cellular Band;
7. Set the EUT squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level;
8. Set the EUT in a scanning mode and allow it to scan through 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:	1V8R-1	Test Date:	2023/4/11
Test Site:	CE	Test Mode:	M1,M2,M3,M4
Tester:	Vic Du	Test Result:	Pass

#### Environmental Conditions:

Temperature: (°C)	20.1	Relative Humidity: (%)	39	ATM Pressure: (kPa)	102.4
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#### Test Equipment List and Details:

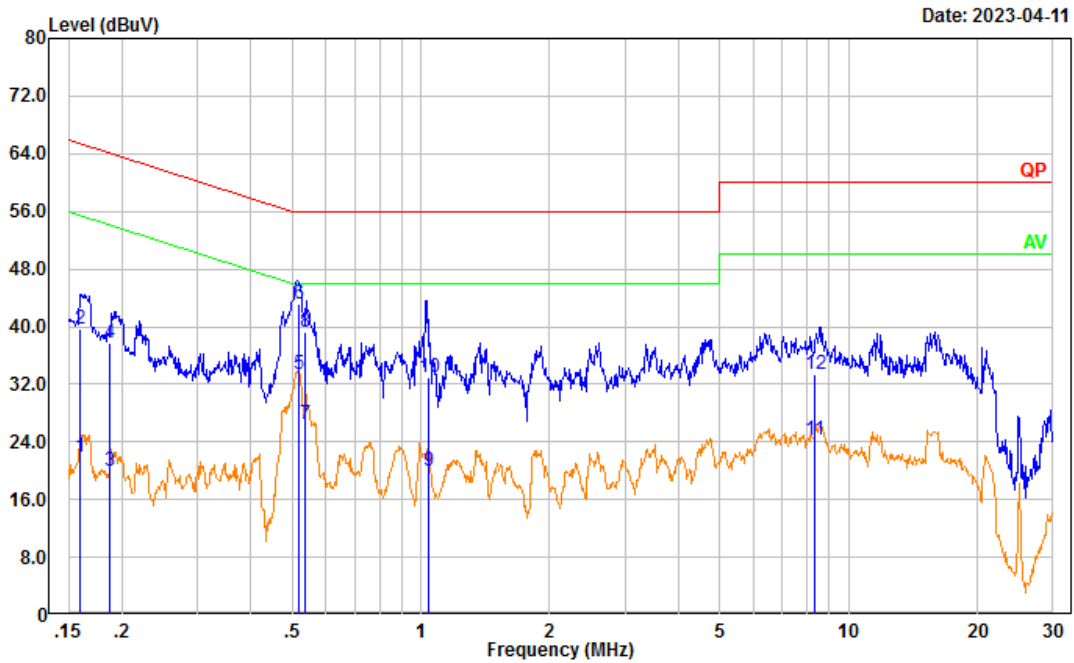
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101134	2023/04/01	2024/03/31
R&S	EMI Test Receiver	ESR3	102726	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2022/08/07	2023/08/06
Audix	Test Software	E3	190306 (V9)	N/A	N/A

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

**Test Mode: MI**

**Line:**

Test Mode: Charging + Scanning (base)  
 Port: Line  
 Note:

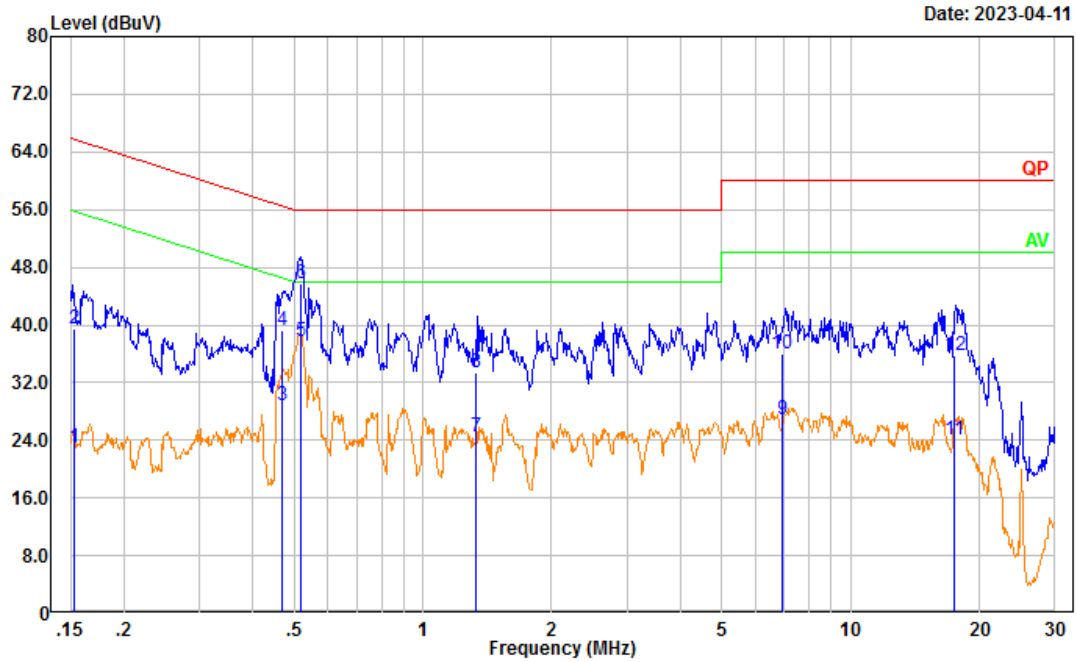


Date: 2023-04-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.159	12.24	9.61	21.85	55.49	33.64	Average
2	0.159	30.06	9.61	39.67	65.49	25.82	QP
3	0.187	10.36	9.61	19.97	54.18	34.21	Average
4	0.187	28.12	9.61	37.73	64.18	26.45	QP
5	0.517	23.76	9.61	33.37	46.00	12.63	Average
6	0.517	33.61	9.61	43.22	56.00	12.78	QP
7	0.536	16.73	9.61	26.34	46.00	19.66	Average
8	0.536	29.57	9.61	39.18	56.00	16.82	QP
9	1.041	10.39	9.62	20.01	46.00	25.99	Average
10	1.041	23.23	9.62	32.85	56.00	23.15	QP
11	8.331	14.60	9.67	24.27	50.00	25.73	Average
12	8.331	23.81	9.67	33.48	60.00	26.52	QP

**Neutral:**

Test Mode: Charging + Scanning (base)  
 Port: neutral  
 Note:



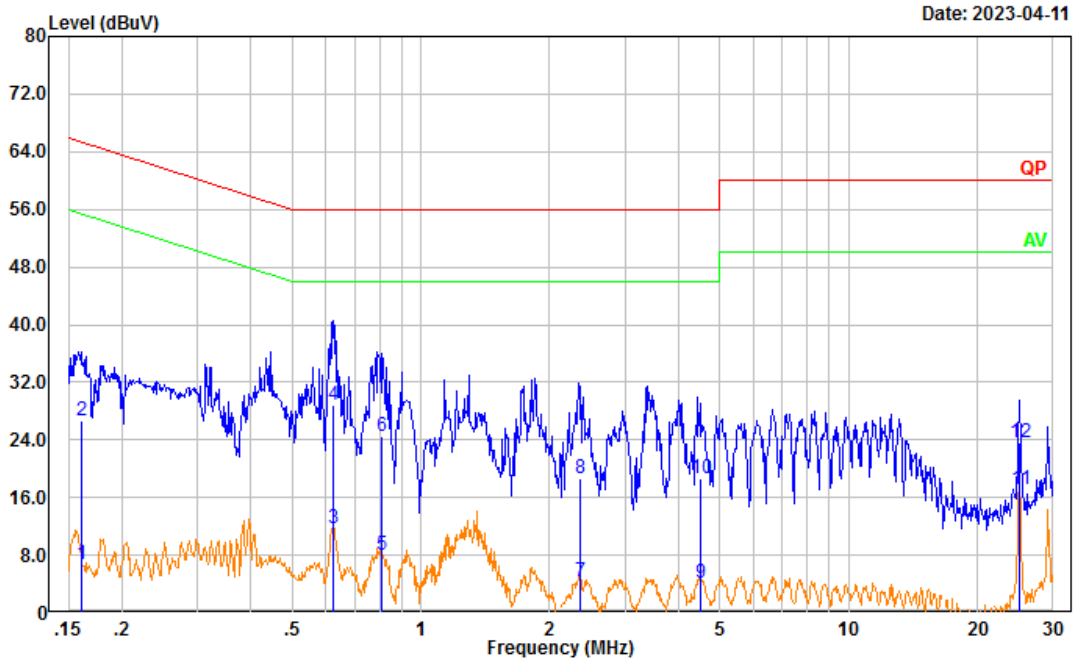
Date: 2023-04-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	13.43	9.61	23.04	55.85	32.81	Average
2	0.153	29.79	9.61	39.40	65.85	26.45	QP
3	0.468	19.31	9.61	28.92	46.55	17.63	Average
4	0.468	29.58	9.61	39.19	56.55	17.36	QP
5	0.520	28.16	9.61	37.77	46.00	8.23	Average
6	0.520	36.04	9.61	45.65	56.00	10.35	QP
7	1.334	14.93	9.62	24.55	46.00	21.45	Average
8	1.334	23.67	9.62	33.29	56.00	22.71	QP
9	6.892	17.25	9.66	26.91	50.00	23.09	Average
10	6.892	26.41	9.66	36.07	60.00	23.93	QP
11	17.464	14.47	9.69	24.16	50.00	25.84	Average
12	17.464	26.07	9.69	35.76	60.00	24.24	QP

**Test Mode:** M2

**Line:**

Test Mode: Charging + Scanning (USB)  
 Port: Line  
 Note:

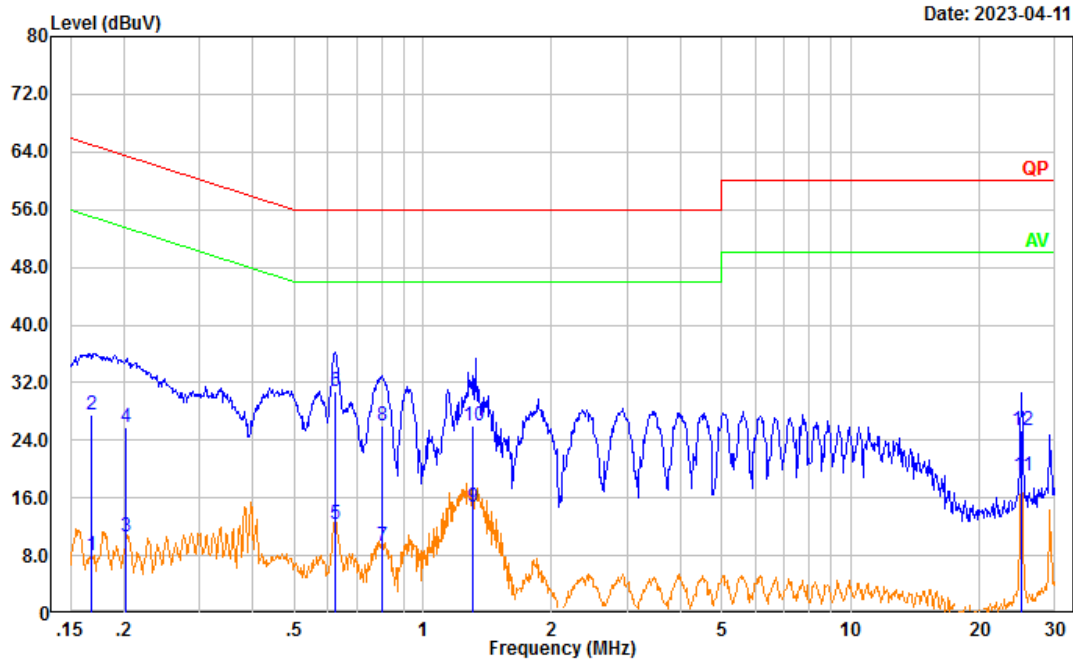


Date: 2023-04-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.161	-2.94	9.61	6.67	55.39	48.72	Average
2	0.161	17.00	9.61	26.61	65.39	38.78	QP
3	0.623	2.05	9.62	11.67	46.00	34.33	Average
4	0.623	19.17	9.62	28.79	56.00	27.21	QP
5	0.808	-1.66	9.62	7.96	46.00	38.04	Average
6	0.808	14.98	9.62	24.60	56.00	31.40	QP
7	2.350	-5.39	9.64	4.25	46.00	41.75	Average
8	2.350	9.10	9.64	18.74	56.00	37.26	QP
9	4.514	-5.46	9.66	4.20	46.00	41.80	Average
10	4.514	9.03	9.66	18.69	56.00	37.31	QP
11	25.126	7.34	9.81	17.15	50.00	32.85	Average
12	25.126	13.89	9.81	23.70	60.00	36.30	QP

**Neutral:**

Test Mode: Charging + Scanning (USB)  
 Port: neutral  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.168	-1.60	9.61	8.01	55.05	47.04	Average
2	0.168	17.90	9.61	27.51	65.05	37.54	QP
3	0.202	0.96	9.61	10.57	53.51	42.94	Average
4	0.202	16.19	9.61	25.80	63.51	37.71	QP
5	0.624	2.63	9.62	12.25	46.00	33.75	Average
6	0.624	21.25	9.62	30.87	56.00	25.13	QP
7	0.804	-0.31	9.62	9.31	46.00	36.69	Average
8	0.804	16.31	9.62	25.93	56.00	30.07	QP
9	1.304	5.02	9.62	14.64	46.00	31.36	Average
10	1.304	16.35	9.62	25.97	56.00	30.03	QP
11	25.131	9.27	9.76	19.03	50.00	30.97	Average
12	25.131	15.69	9.76	25.45	60.00	34.55	QP

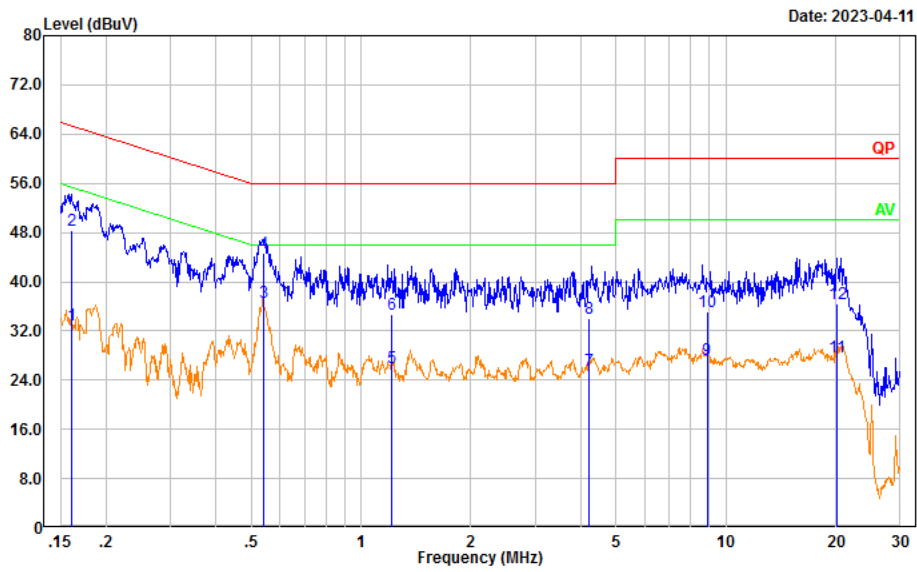
**Test Mode: M3**

**Note:**

1. Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.
2. Pre-scan operating frequency at 50.0125/53.9875/108.0125/141/174.9975/222.0125/224.9875/320.0125/400/479.9975/714.0125/857/999.9975 MHz, worst case is operating at 479.9975MHz.

**Line:**

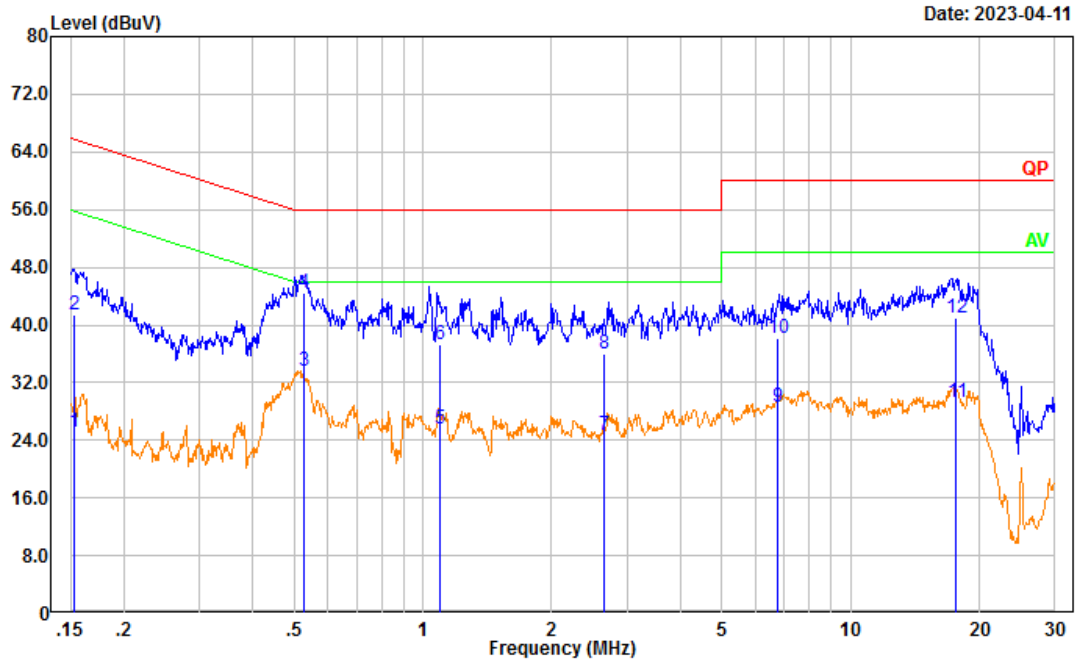
Test Mode: Charging + Receiving  
 Port: Line  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.161	23.32	9.61	32.93	55.42	22.49	Average
2	0.161	38.73	9.61	48.34	65.42	17.08	QP
3	0.540	26.96	9.61	36.57	46.00	9.43	Average
4	0.540	35.01	9.61	44.62	56.00	11.38	QP
5	1.214	16.40	9.62	26.02	46.00	19.98	Average
6	1.214	25.00	9.62	34.62	56.00	21.38	QP
7	4.208	15.94	9.65	25.59	46.00	20.41	Average
8	4.208	24.44	9.65	34.09	56.00	21.91	QP
9	8.867	17.61	9.67	27.28	50.00	22.72	Average
10	8.867	25.45	9.67	35.12	60.00	24.88	QP
11	20.076	17.91	9.80	27.71	50.00	22.29	Average
12	20.076	26.68	9.80	36.48	60.00	23.52	QP

**Neutral:**

Test Mode: Charging + Receiving  
 Port: neutral  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.153	15.46	9.61	25.07	55.82	30.75	Average
2	0.153	31.69	9.61	41.30	65.82	24.52	QP
3	0.528	24.08	9.61	33.69	46.00	12.31	Average
4	0.528	34.78	9.61	44.39	56.00	11.61	QP
5	1.099	15.95	9.62	25.57	46.00	20.43	Average
6	1.099	27.68	9.62	37.30	56.00	18.70	QP
7	2.654	15.04	9.64	24.68	46.00	21.32	Average
8	2.654	26.41	9.64	36.05	56.00	19.95	QP
9	6.744	18.91	9.66	28.57	50.00	21.43	Average
10	6.744	28.42	9.66	38.08	60.00	21.92	QP
11	17.650	19.59	9.69	29.28	50.00	20.72	Average
12	17.650	31.33	9.69	41.02	60.00	18.98	QP



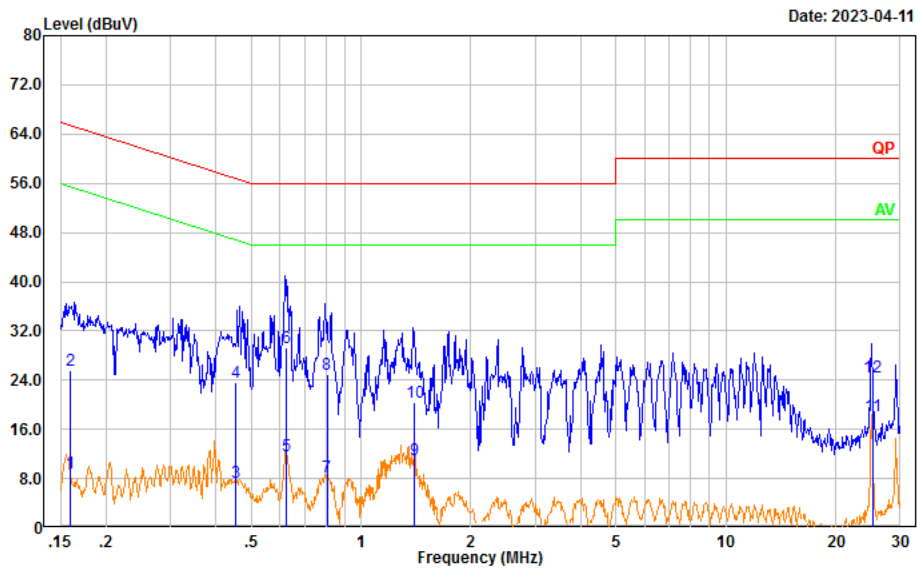
**Test Mode: M4**

**Note:**

1. Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.
2. Pre-scan operating frequency at 76.1/92/107.9MHz, worst case is operating at 92MHz.

**Line:**

Test Mode: **Charging + FM Receiving**  
 Port: Line  
 Note:

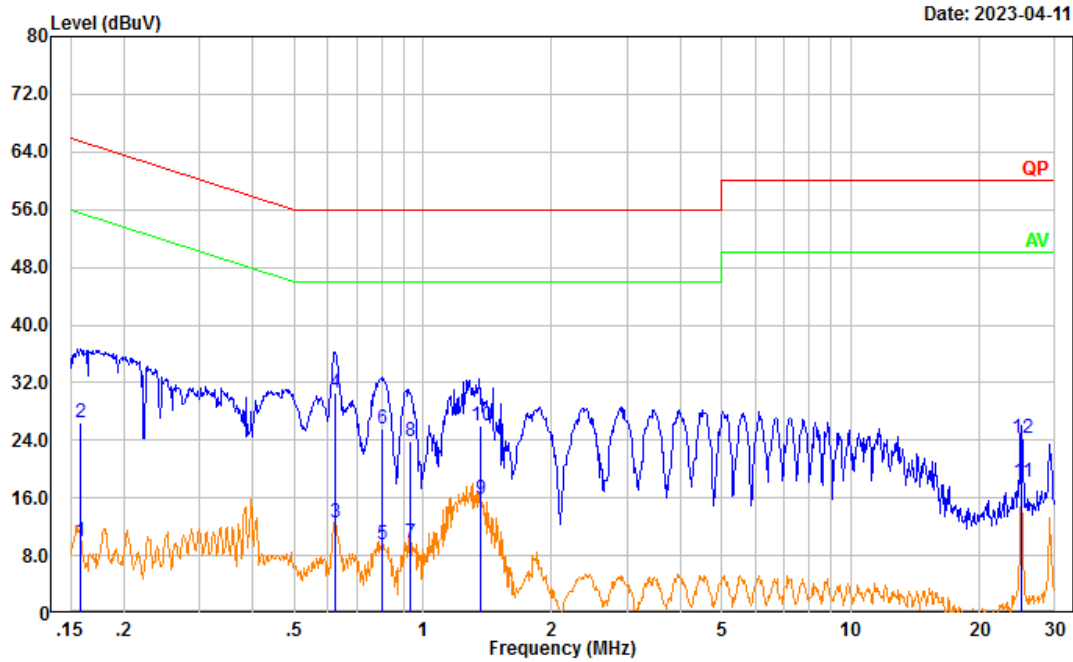


Date: 2023-04-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.159	-0.80	9.61	8.81	55.51	46.70	Average
2	0.159	16.00	9.61	25.61	65.51	39.90	QP
3	0.453	-2.26	9.61	7.35	46.81	39.46	Average
4	0.453	13.91	9.61	23.52	56.81	33.29	QP
5	0.623	2.11	9.62	11.73	46.00	34.27	Average
6	0.623	19.55	9.62	29.17	56.00	26.83	QP
7	0.806	-1.37	9.62	8.25	46.00	37.75	Average
8	0.806	15.39	9.62	25.01	56.00	30.99	QP
9	1.395	1.54	9.62	11.16	46.00	34.84	Average
10	1.395	10.68	9.62	20.30	56.00	35.70	QP
11	25.162	8.44	9.81	18.25	50.00	31.75	Average
12	25.162	14.70	9.81	24.51	60.00	35.49	QP

**Neutral:**

Test Mode: Charging + FM Receiving  
 Port: neutral  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.158	0.39	9.61	10.00	55.54	45.54	Average
2	0.158	16.83	9.61	26.44	65.54	39.10	QP
3	0.625	2.88	9.62	12.50	46.00	33.50	Average
4	0.625	21.00	9.62	30.62	56.00	25.38	QP
5	0.804	-0.15	9.62	9.47	46.00	36.53	Average
6	0.804	16.06	9.62	25.68	56.00	30.32	QP
7	0.936	0.03	9.62	9.65	46.00	36.35	Average
8	0.936	14.26	9.62	23.88	56.00	32.12	QP
9	1.360	6.25	9.62	15.87	46.00	30.13	Average
10	1.360	16.48	9.62	26.10	56.00	29.90	QP
11	25.156	8.54	9.76	18.30	50.00	31.70	Average
12	25.156	14.57	9.76	24.33	60.00	35.67	QP

**4.2 Radiation Spurious Emissions**

Serial Number:	1V8R-1	Test Date:	2023/01/09-2023/04/10
Test Site:	966-2/966-1	Test Mode:	M1-M4
Tester:	Carl Xue, Mack Huang	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	22.4~23.1	Relative Humidity: (%)	48~60	ATM Pressure: (kPa)	101.2~101.7
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**Test Equipment List and Details:**

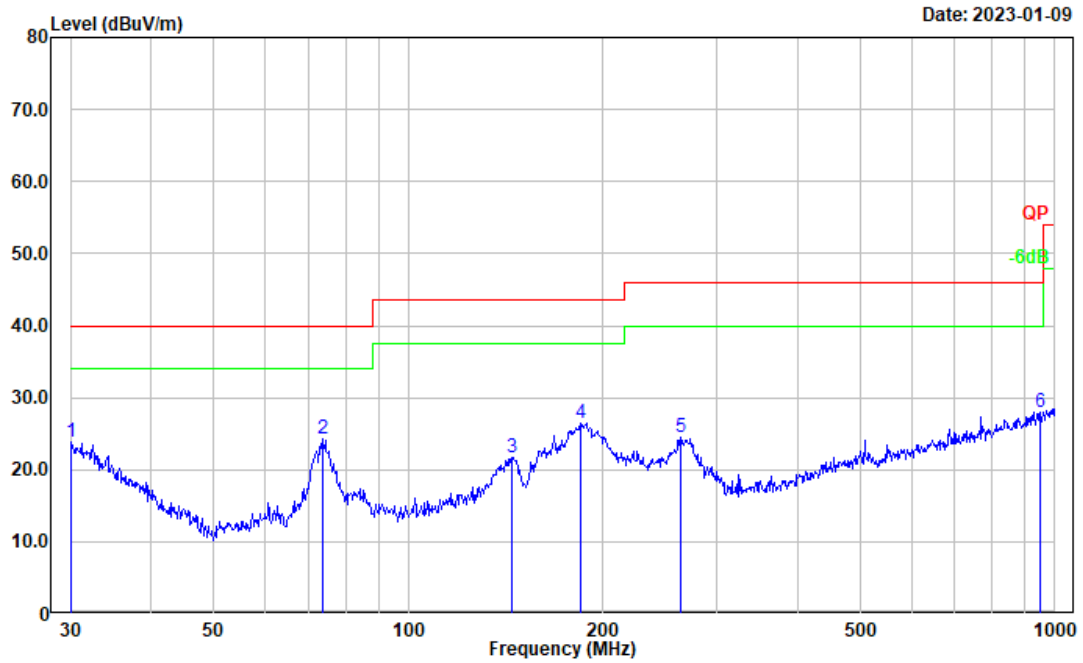
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
Audix	Test Software	E3	201021 (V9)	N/A	N/A
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
Mini Circuits	High Pass Filter	VHF-6010+	31119	2022/08/07	2023/08/06

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

1) 30MHz-1GHz:

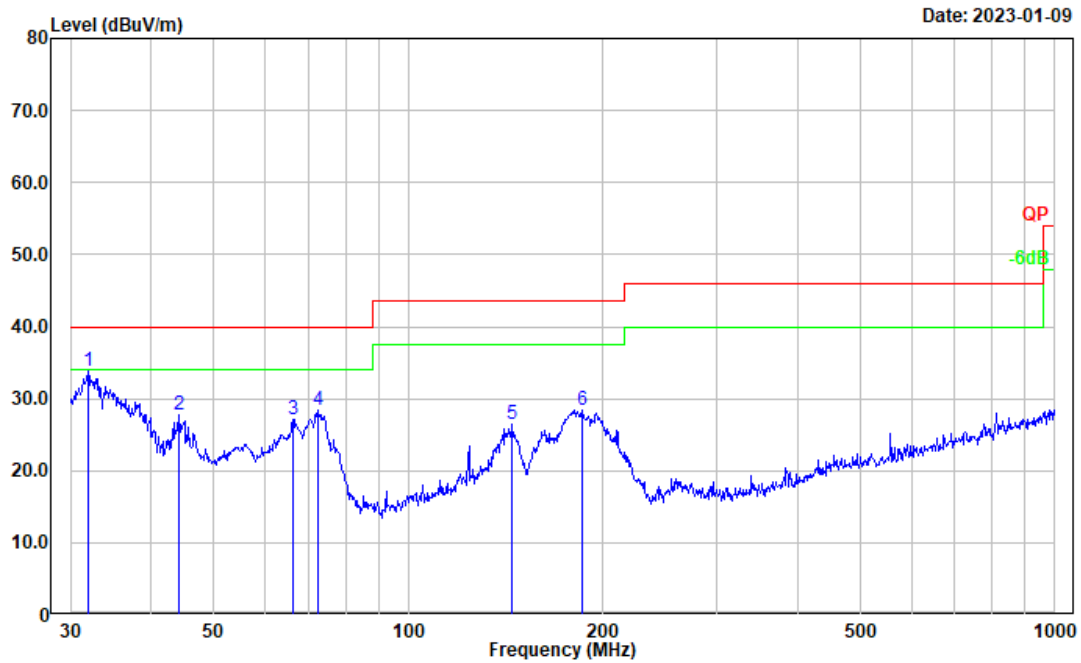
Test Mode: MI

Test Mode: Charging + scanning(base)  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.105	27.48	-3.68	23.80	40.00	16.20	Peak
2	73.876	41.13	-16.88	24.25	40.00	15.75	Peak
3	144.335	33.72	-11.96	21.76	43.50	21.74	Peak
4	184.490	40.02	-13.58	26.44	43.50	17.06	Peak
5	263.819	36.78	-12.31	24.47	46.00	21.53	Peak
6	948.761	28.22	-0.21	28.01	46.00	17.99	Peak

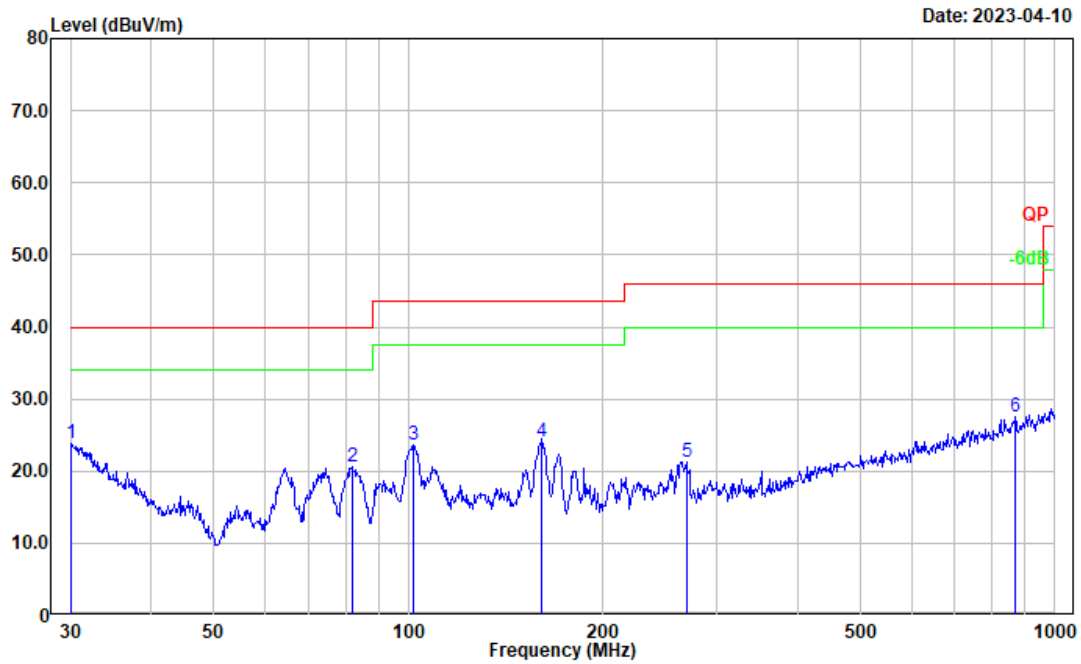
Test Mode: Charging + scanning(base)  
Polarization: vertical  
Note:



No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector
1	31.955	38.92	-5.08	33.84	40.00	6.16	Peak
2	44.120	41.57	-13.73	27.84	40.00	12.16	Peak
3	66.266	43.87	-16.84	27.03	40.00	12.97	Peak
4	72.338	45.10	-16.70	28.40	40.00	11.60	Peak
5	144.842	38.48	-11.94	26.54	43.50	16.96	Peak
6	185.788	42.04	-13.56	28.48	43.50	15.02	Peak

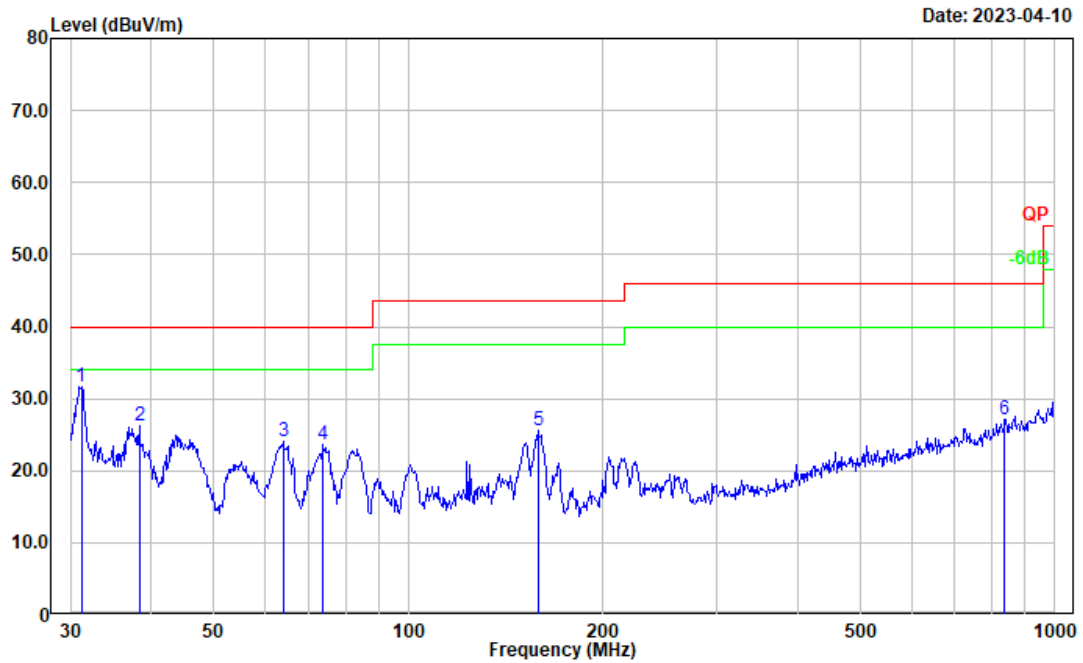
**Test Mode: M2**

Test Mode: Charging + Scanning (USB)  
Polarization: horizontal  
Note:



No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector
1	30.105	27.50	-3.68	23.82	40.00	16.18	Peak
2	81.783	37.86	-17.36	20.50	40.00	19.50	Peak
3	101.644	37.67	-14.02	23.65	43.50	19.85	Peak
4	160.346	36.17	-12.09	24.08	43.50	19.42	Peak
5	269.428	33.45	-12.12	21.33	46.00	24.67	Peak
6	869.130	28.79	-1.21	27.58	46.00	18.42	Peak

Test Mode: Charging + Scanning (USB)  
 Polarization: vertical  
 Note:

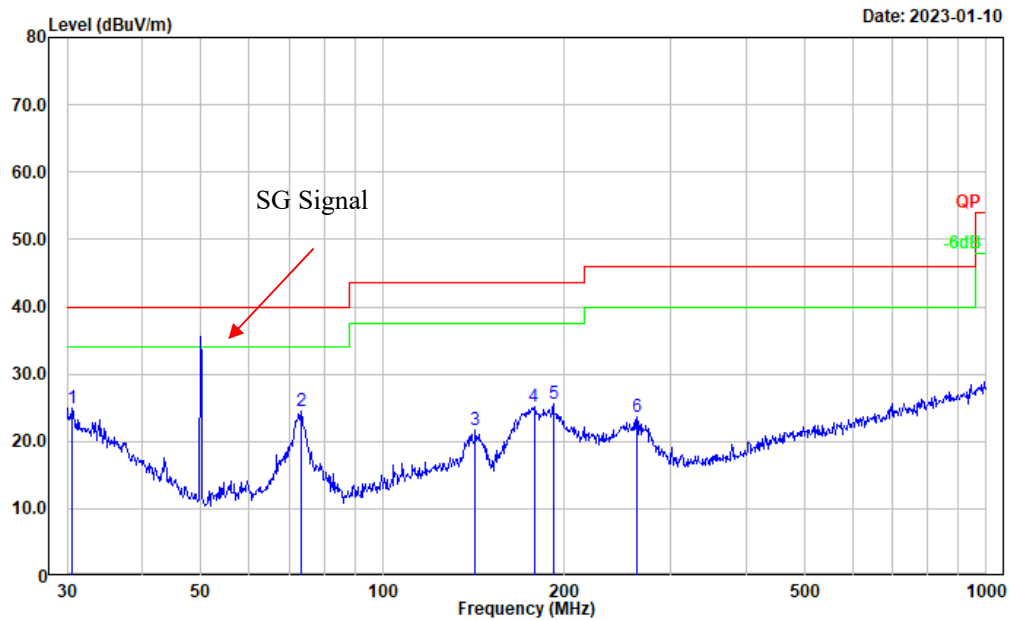


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.180	36.22	-4.50	31.72	40.00	8.28	Peak
2	38.346	36.27	-10.00	26.27	40.00	13.73	Peak
3	63.983	41.02	-17.04	23.98	40.00	16.02	Peak
4	73.876	40.43	-16.88	23.55	40.00	16.45	Peak
5	158.668	37.65	-12.05	25.60	43.50	17.90	Peak
6	836.244	28.81	-1.66	27.15	46.00	18.85	Peak

**Test Mode:** M3 (operating at 50.0125MHz)

Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

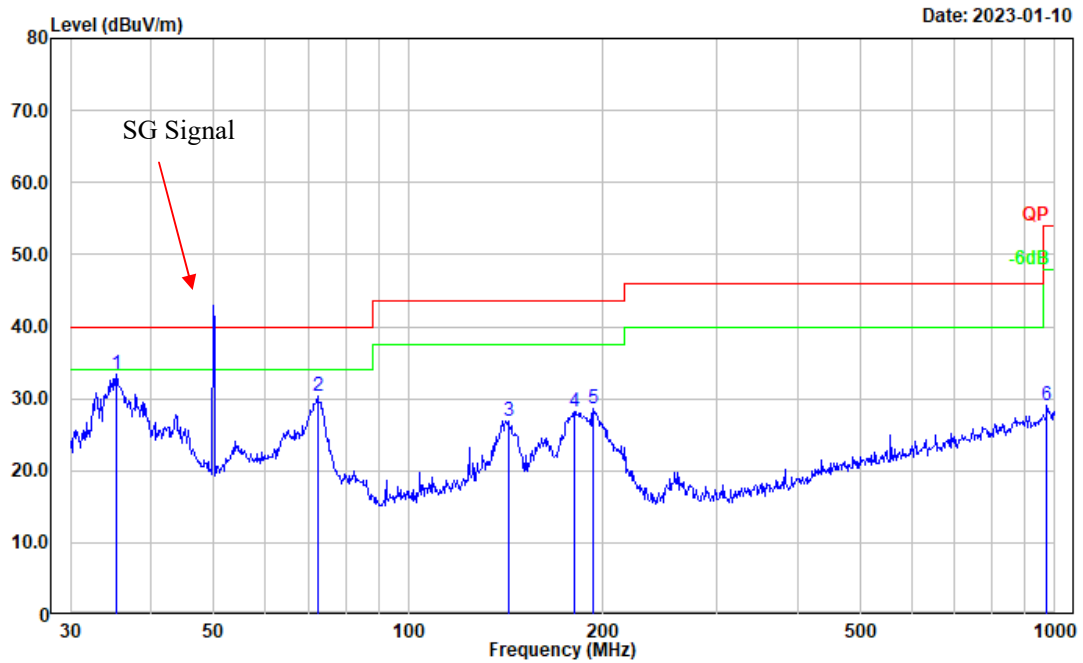
Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	29.04	-4.00	25.04	40.00	14.96	Peak
2	73.103	41.23	-16.75	24.48	40.00	15.52	Peak
3	142.324	33.61	-11.92	21.69	43.50	21.81	Peak
4	178.133	38.65	-13.50	25.15	43.50	18.35	Peak
5	191.745	38.81	-13.21	25.60	43.50	17.90	Peak
6	263.819	35.95	-12.31	23.64	46.00	22.36	Peak



Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

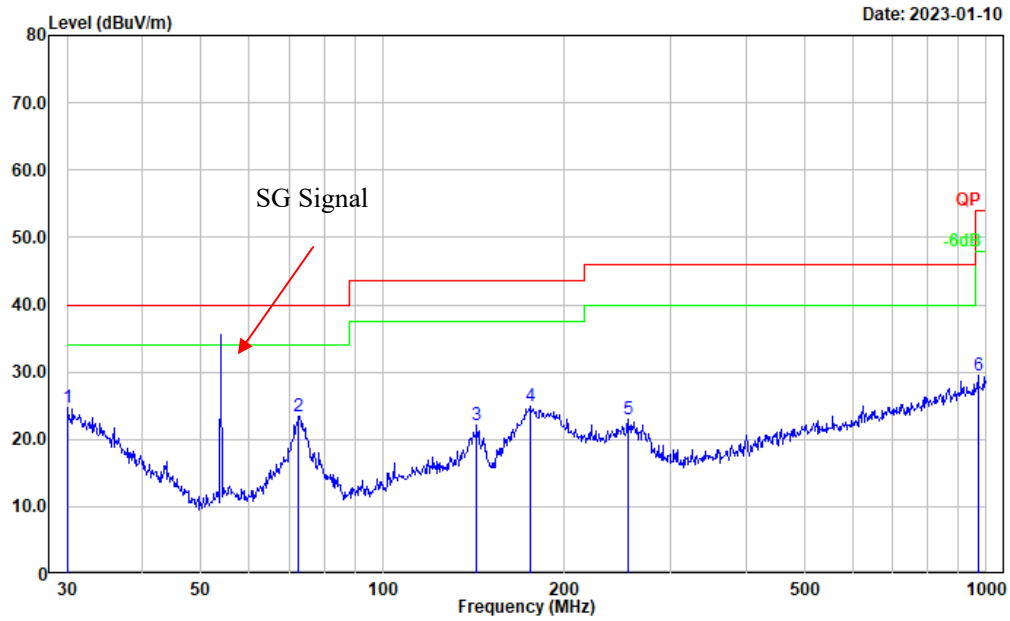


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	35.251	40.97	-7.67	33.30	40.00	6.70	Peak
2	72.338	47.06	-16.70	30.36	40.00	9.64	Peak
3	142.824	38.74	-11.91	26.83	43.50	16.67	Peak
4	180.649	41.87	-13.65	28.22	43.50	15.28	Peak
5	193.095	41.59	-13.04	28.55	43.50	14.95	Peak
6	972.337	28.75	0.32	29.07	54.00	24.93	Peak

**Test Mode: M3 (operating at 53.9875MHz)**

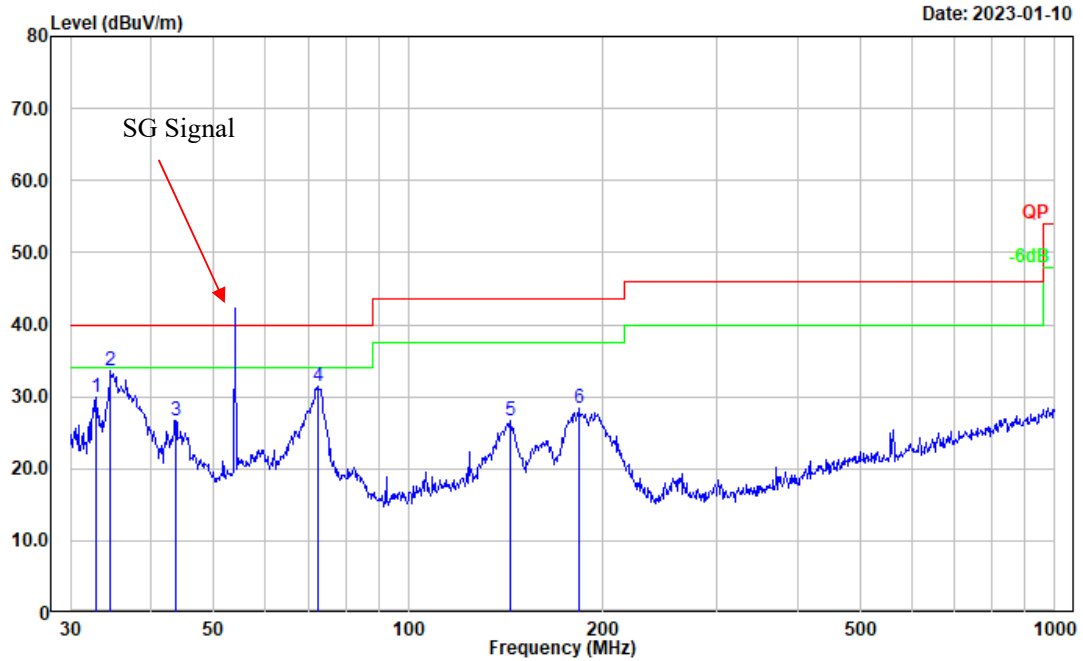
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBUV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	28.36	-3.60	24.76	40.00	15.24	Peak
2	72.592	40.07	-16.71	23.36	40.00	16.64	Peak
3	143.326	34.00	-11.93	22.07	43.50	21.43	Peak
4	175.652	38.09	-13.27	24.82	43.50	18.68	Peak
5	254.728	35.70	-12.83	22.87	46.00	23.13	Peak
6	968.934	29.33	0.26	29.59	54.00	24.41	Peak

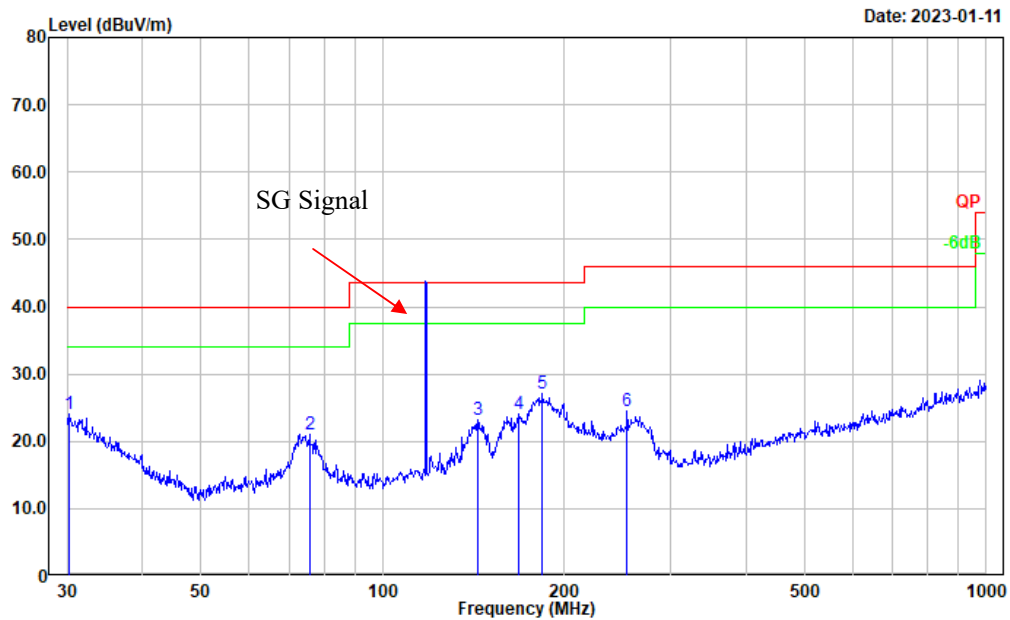
Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:



**Test Mode: M3 (operating at 108.0125MHz)**

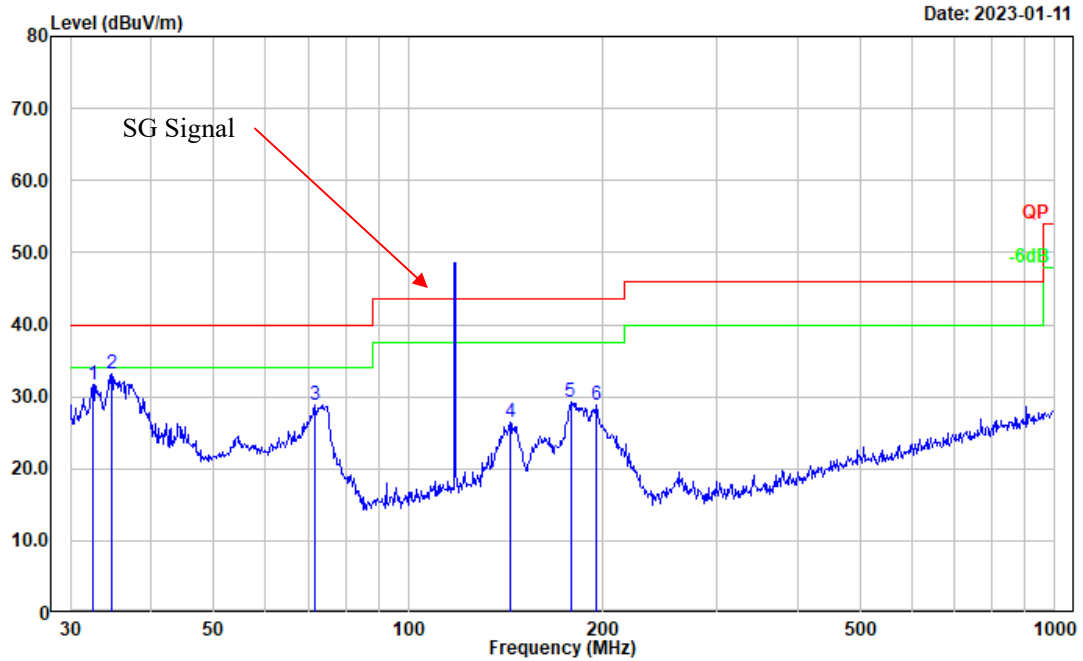
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	27.94	-3.85	24.09	40.00	15.91	Peak
2	75.711	38.11	-16.99	21.12	40.00	18.88	Peak
3	143.830	35.10	-11.96	23.14	43.50	20.36	Peak
4	168.414	36.80	-12.78	24.02	43.50	19.48	Peak
5	183.844	40.61	-13.58	27.03	43.50	16.47	Peak
6	253.837	37.33	-12.88	24.45	46.00	21.55	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:



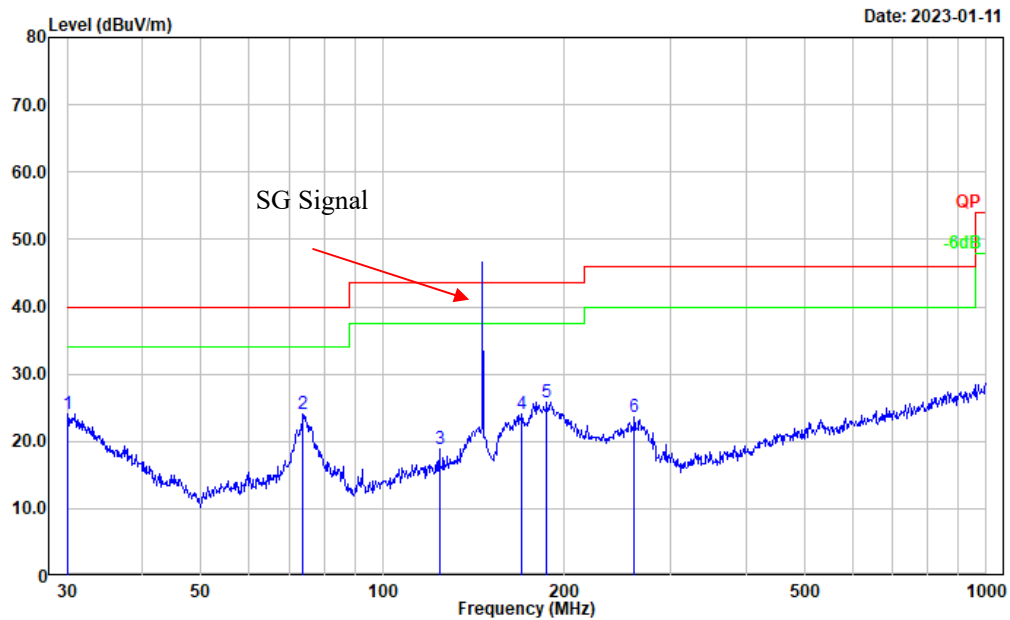
Date: 2023-01-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.520	37.16	-5.54	31.62	40.00	8.38	Peak
2	34.760	40.50	-7.29	33.21	40.00	6.79	Peak
3	71.581	45.42	-16.64	28.78	40.00	11.22	Peak
4	143.830	38.31	-11.96	26.35	43.50	17.15	Peak
5	178.133	42.69	-13.50	29.19	43.50	14.31	Peak
6	195.137	41.50	-12.76	28.74	43.50	14.76	Peak

**Test Mode: M3 (operating at 141MHz)**

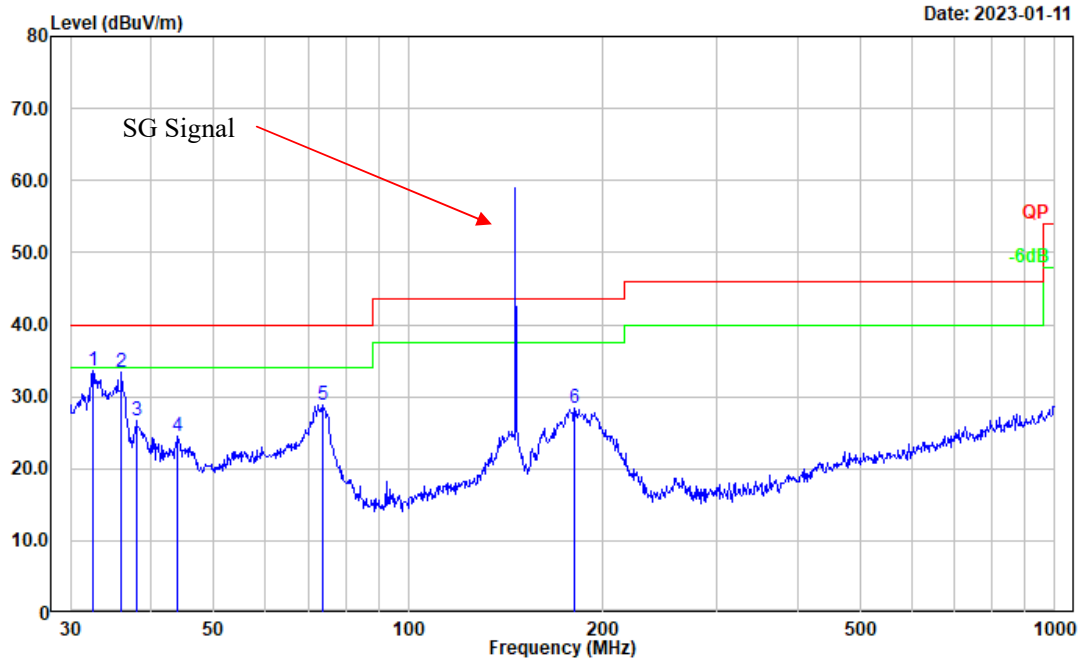
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	27.72	-3.60	24.12	40.00	15.88	Peak
2	73.876	41.05	-16.88	24.17	40.00	15.83	Peak
3	124.133	30.13	-11.38	18.75	43.50	24.75	Peak
4	170.195	36.98	-12.96	24.02	43.50	19.48	Peak
5	187.096	39.44	-13.57	25.87	43.50	17.63	Peak
6	261.058	35.93	-12.40	23.53	46.00	22.47	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:



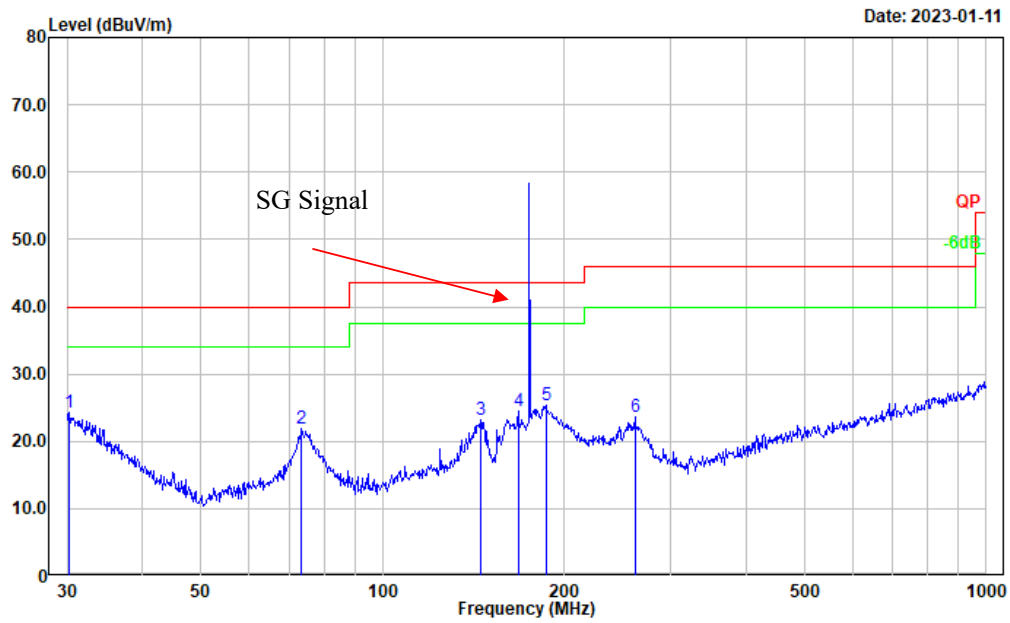
Date: 2023-01-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.520	39.12	-5.54	33.58	40.00	6.42	Peak
2	36.001	41.70	-8.24	33.46	40.00	6.54	Peak
3	37.945	36.27	-9.69	26.58	40.00	13.42	Peak
4	43.966	38.08	-13.65	24.43	40.00	15.57	Peak
5	73.876	45.80	-16.88	28.92	40.00	11.08	Peak
6	180.649	42.10	-13.65	28.45	43.50	15.05	Peak

**Test Mode:** M3 (operating at 174.9975MHz)

Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

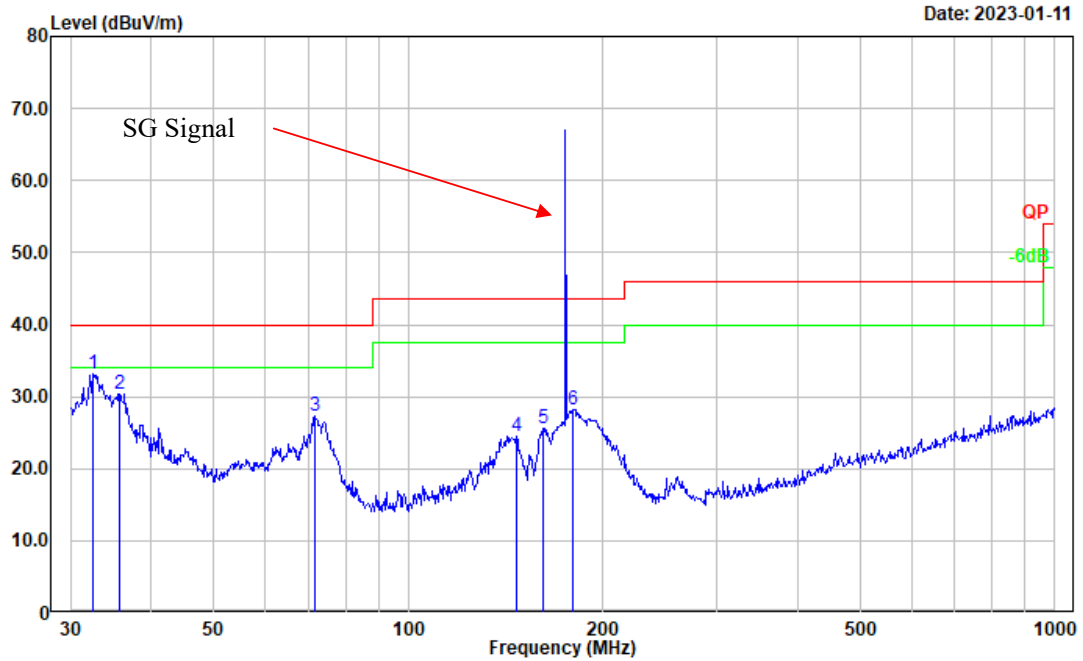
Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	28.05	-3.85	24.20	40.00	15.80	Peak
2	73.359	38.63	-16.80	21.83	40.00	18.17	Peak
3	145.351	35.06	-11.95	23.11	43.50	20.39	Peak
4	167.824	37.16	-12.73	24.43	43.50	19.07	Peak
5	186.441	38.89	-13.57	25.32	43.50	18.18	Peak
6	261.975	35.97	-12.37	23.60	46.00	22.40	Peak



Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

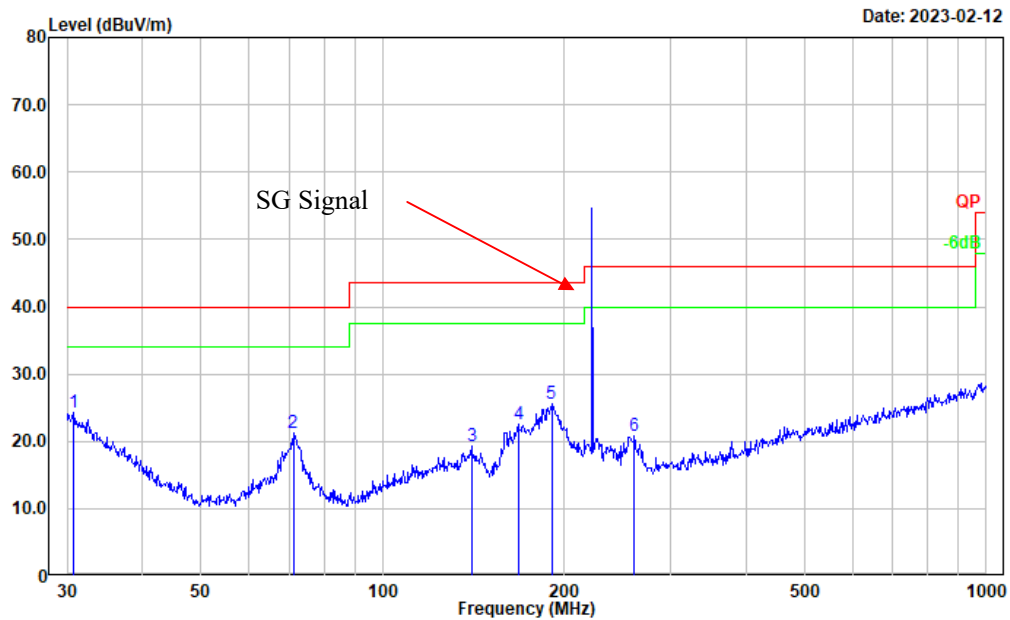


No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector
1	32.520	38.60	-5.54	33.06	40.00	6.94	Peak
2	35.749	38.49	-8.05	30.44	40.00	9.56	Peak
3	71.581	43.87	-16.64	27.23	40.00	12.77	Peak
4	146.888	36.52	-11.98	24.54	43.50	18.96	Peak
5	161.474	37.90	-12.21	25.69	43.50	17.81	Peak
6	179.386	41.89	-13.60	28.29	43.50	15.21	Peak

**Test Mode:** M3 (operating at 222.0125MHz)

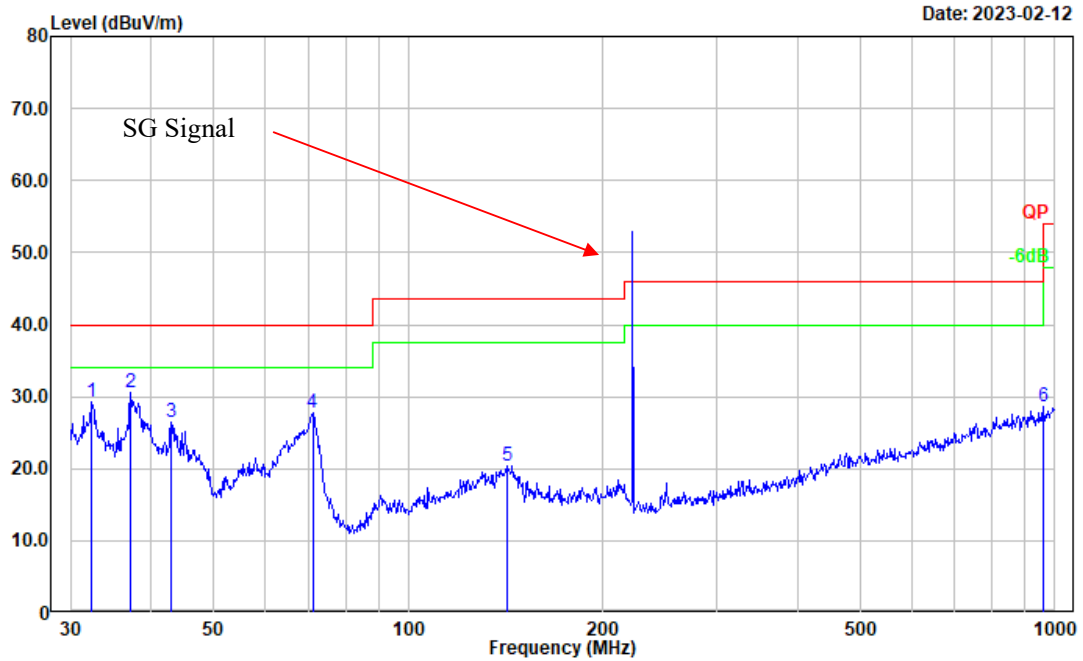
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.745	28.35	-4.17	24.18	40.00	15.82	Peak
2	71.080	37.75	-16.59	21.16	40.00	18.84	Peak
3	140.342	31.08	-11.89	19.19	43.50	24.31	Peak
4	167.824	35.32	-12.73	22.59	43.50	20.91	Peak
5	190.405	39.00	-13.41	25.59	43.50	17.91	Peak
6	261.058	33.25	-12.40	20.85	46.00	25.15	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

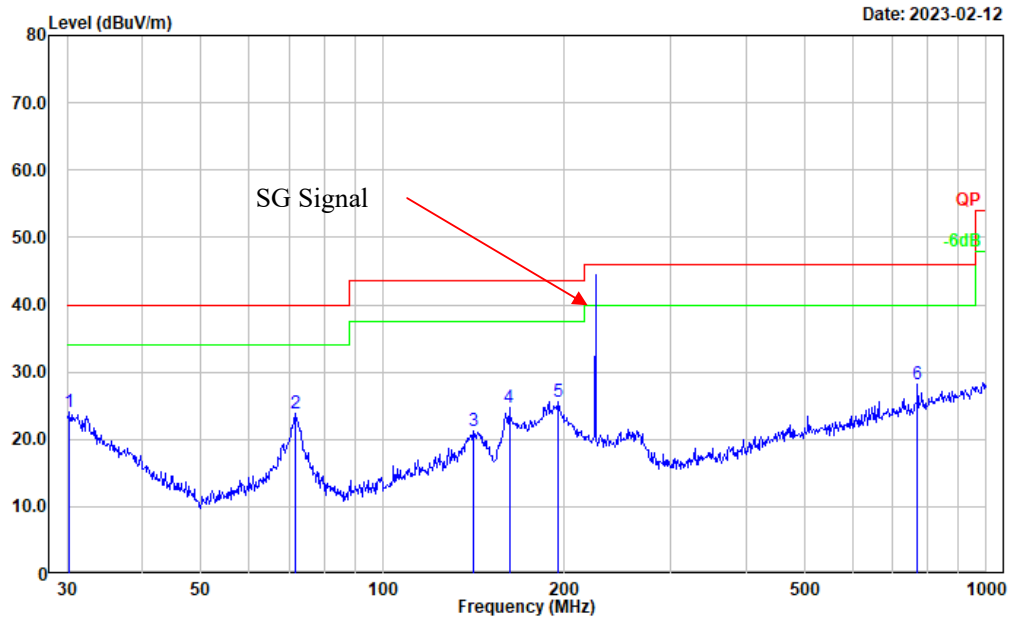


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.406	34.74	-5.45	29.29	40.00	10.71	Peak
2	37.155	39.61	-9.12	30.49	40.00	9.51	Peak
3	42.900	39.43	-13.01	26.42	40.00	13.58	Peak
4	71.080	44.35	-16.59	27.76	40.00	12.24	Peak
5	141.826	32.34	-11.92	20.42	43.50	23.08	Peak
6	958.794	28.63	0.03	28.66	46.00	17.34	Peak

**Test Mode:** M3 (operating at 224.9875MHz)

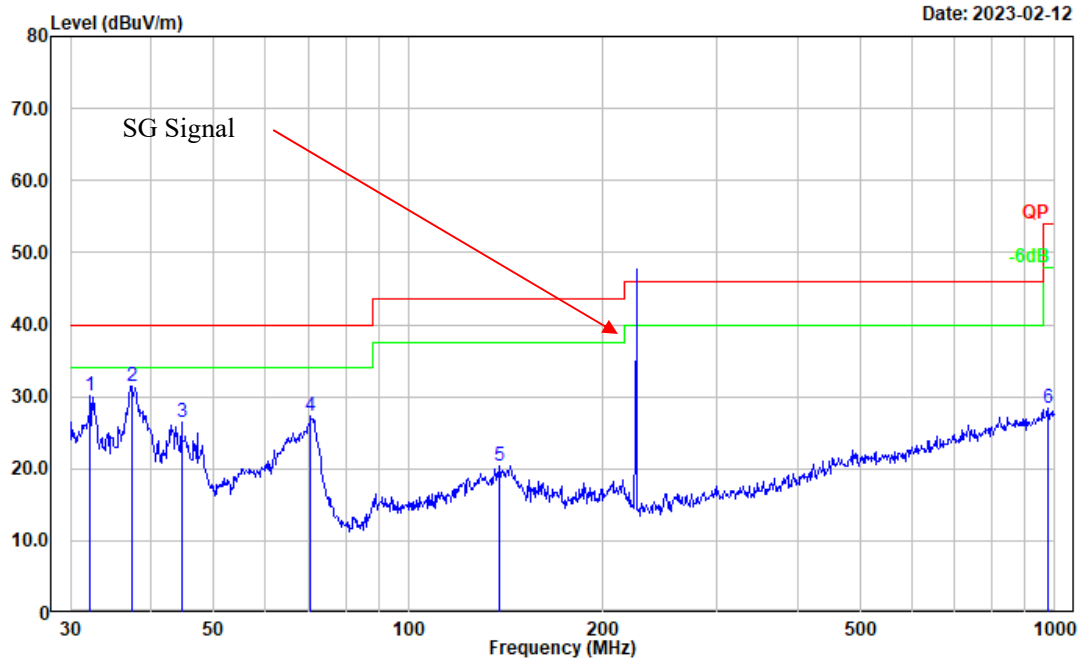
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	27.82	-3.85	23.97	40.00	16.03	Peak
2	71.581	40.48	-16.64	23.84	40.00	16.16	Peak
3	141.330	33.28	-11.93	21.35	43.50	22.15	Peak
4	162.041	37.05	-12.25	24.80	43.50	18.70	Peak
5	195.137	38.32	-12.76	25.56	43.50	17.94	Peak
6	768.748	30.71	-2.61	28.10	46.00	17.90	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

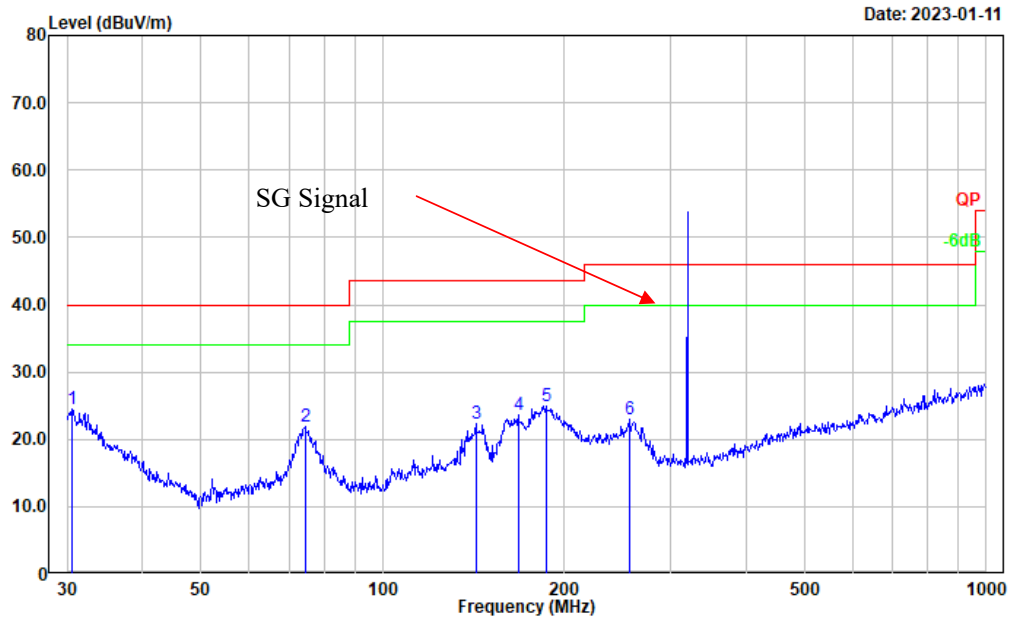


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.179	35.38	-5.27	30.11	40.00	9.89	Peak
2	37.285	40.58	-9.22	31.36	40.00	8.64	Peak
3	44.587	40.36	-14.00	26.36	40.00	13.64	Peak
4	70.584	43.83	-16.53	27.30	40.00	12.70	Peak
5	138.387	32.20	-11.81	20.39	43.50	23.11	Peak
6	975.753	28.07	0.40	28.47	54.00	25.53	Peak

**Test Mode:** M3 (operating at 320.0125MHz)

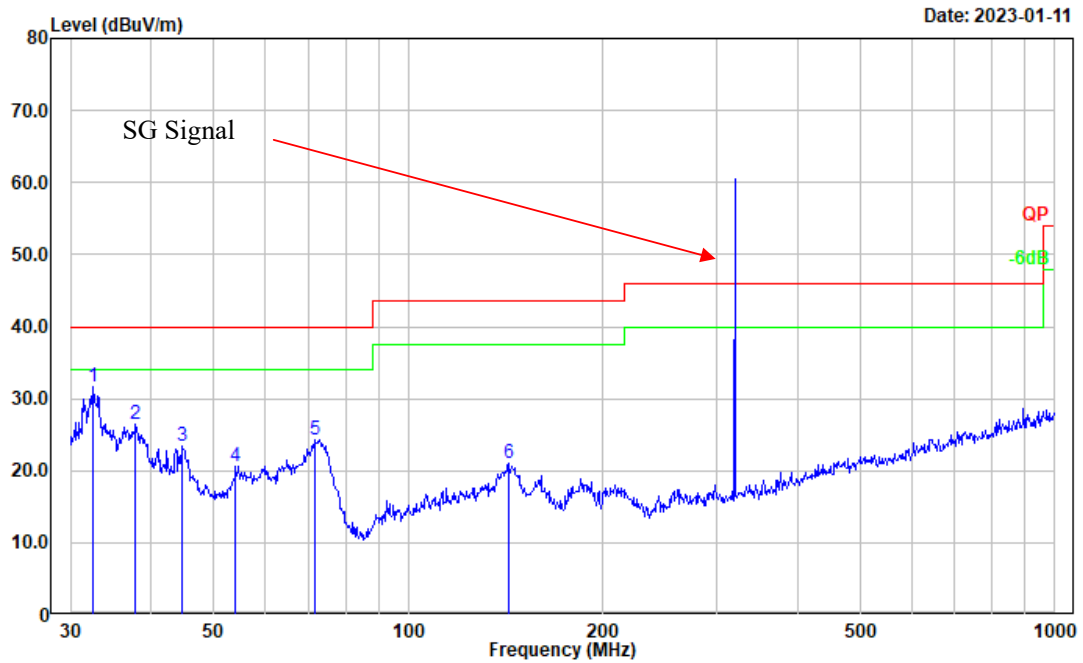
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	28.49	-4.00	24.49	40.00	15.51	Peak
2	74.396	38.91	-16.92	21.99	40.00	18.01	Peak
3	142.824	34.17	-11.91	22.26	43.50	21.24	Peak
4	167.824	36.32	-12.73	23.59	43.50	19.91	Peak
5	186.441	38.44	-13.57	24.87	43.50	18.63	Peak
6	256.521	35.59	-12.70	22.89	46.00	23.11	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:



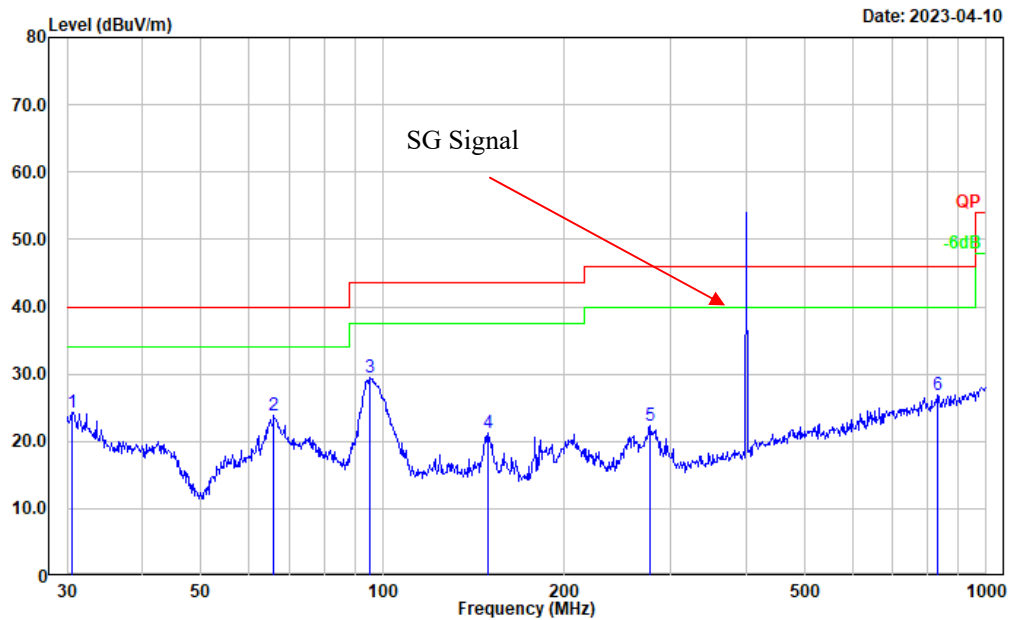
Date: 2023-01-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.520	37.17	-5.54	31.63	40.00	8.37	Peak
2	37.812	36.00	-9.59	26.41	40.00	13.59	Peak
3	44.743	37.53	-14.08	23.45	40.00	16.55	Peak
4	54.071	37.86	-17.26	20.60	40.00	19.40	Peak
5	71.832	40.91	-16.66	24.25	40.00	15.75	Peak
6	143.326	33.02	-11.93	21.09	43.50	22.41	Peak

**Test Mode: M3 (operating at 400MHz)**

Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

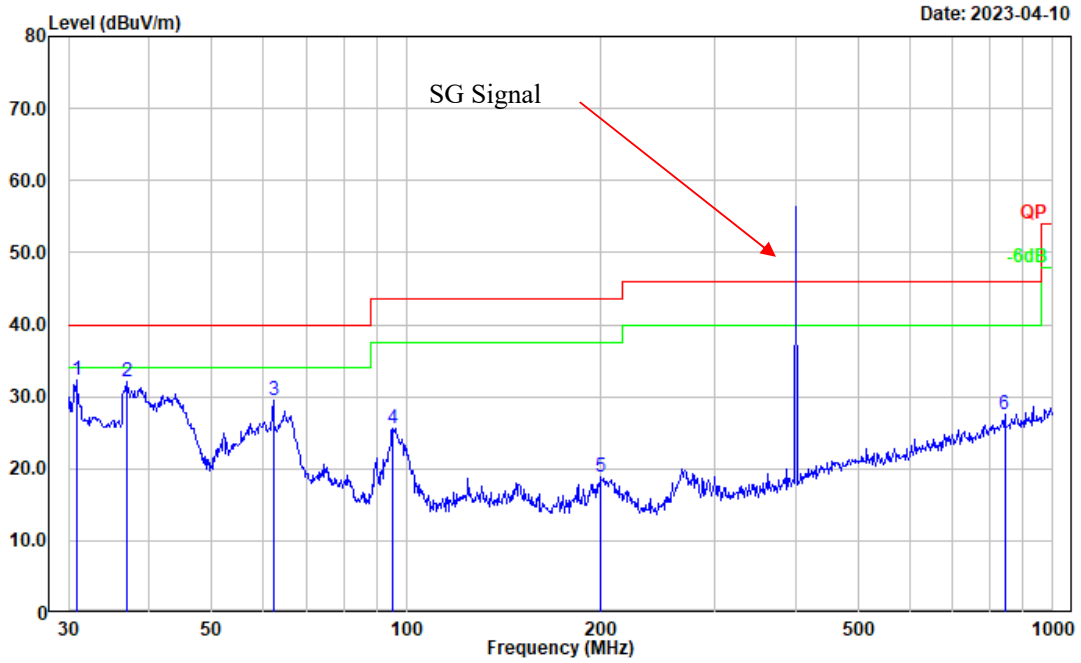
Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.531	28.37	-4.00	24.37	40.00	15.63	Peak
2	66.034	40.64	-16.87	23.77	40.00	16.23	Peak
3	95.427	44.98	-15.50	29.48	43.50	14.02	Peak
4	149.486	33.19	-12.00	21.19	43.50	22.31	Peak
5	277.094	34.20	-11.80	22.40	46.00	23.60	Peak
6	830.400	28.56	-1.64	26.92	46.00	19.08	Peak



Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

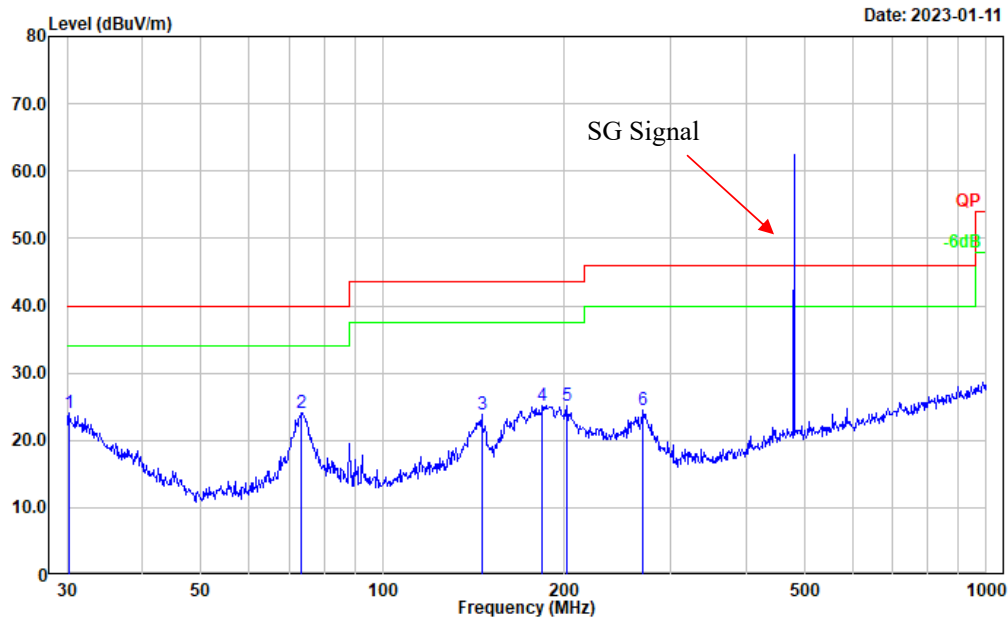


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.853	36.64	-4.26	32.38	40.00	7.62	Peak
2	36.895	41.10	-8.93	32.17	40.00	7.83	Peak
3	62.213	46.62	-17.22	29.40	40.00	10.60	Peak
4	95.427	41.18	-15.50	25.68	43.50	17.82	Peak
5	199.986	31.09	-12.21	18.88	43.50	24.62	Peak
6	842.130	29.21	-1.63	27.58	46.00	18.42	Peak

**Test Mode: M3 (operating at 479.9975MHz)**

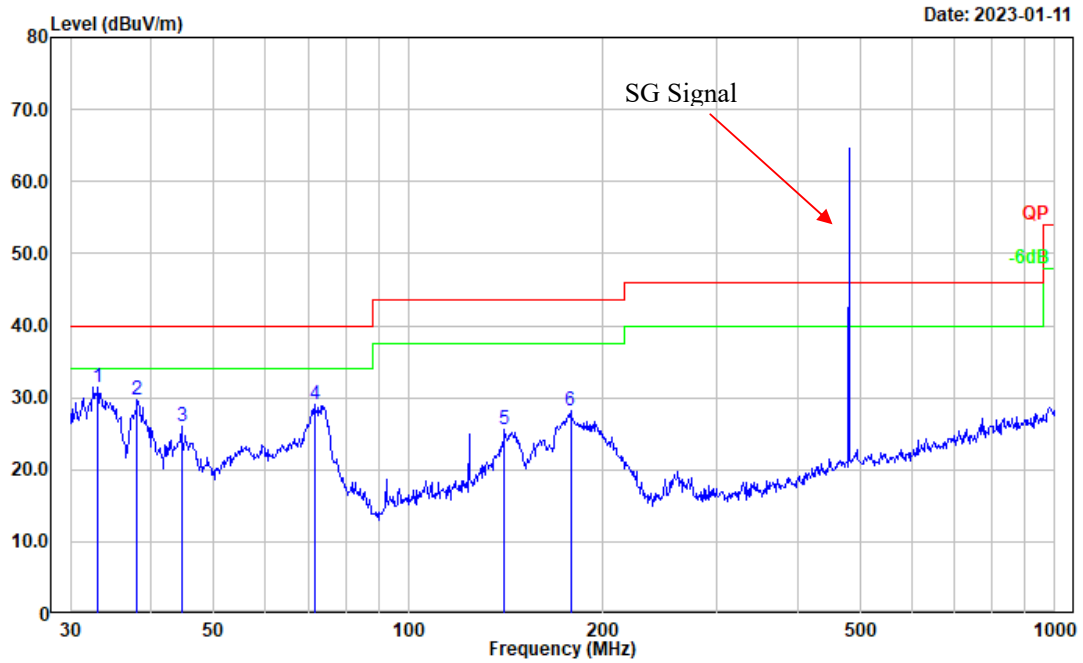
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
Polarization: horizontal  
Note:



No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector
1	30.317	27.86	-3.85	24.01	40.00	15.99	Peak
2	73.359	40.86	-16.80	24.06	40.00	15.94	Peak
3	145.861	35.91	-11.97	23.94	43.50	19.56	Peak
4	183.844	38.69	-13.58	25.11	43.50	18.39	Peak
5	201.393	37.31	-12.25	25.06	43.50	18.44	Peak
6	270.375	36.55	-12.07	24.48	46.00	21.52	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

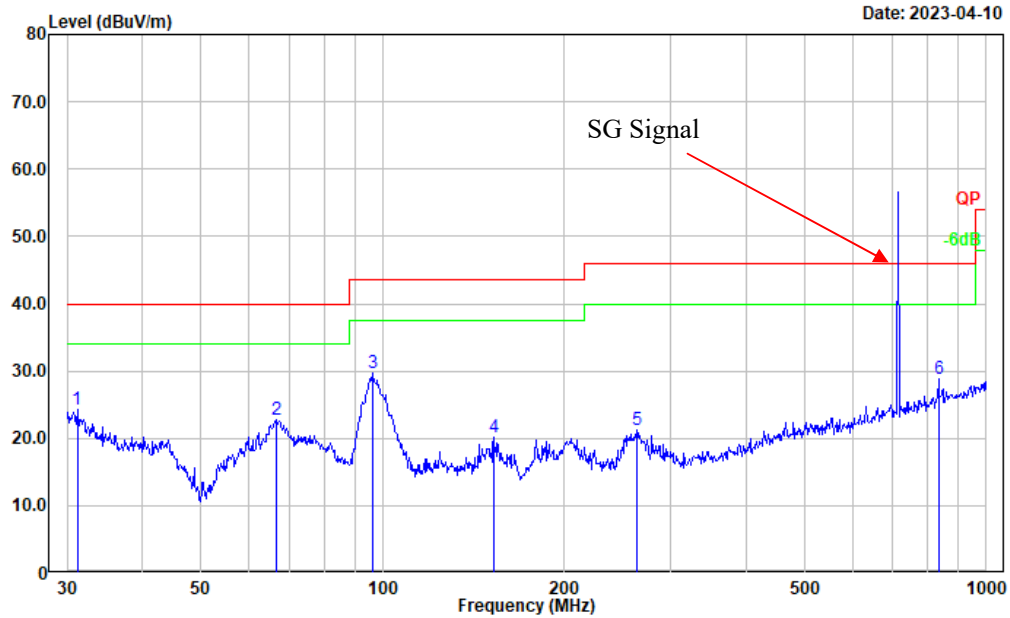


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	33.095	37.39	-5.99	31.40	40.00	8.60	Peak
2	38.078	39.39	-9.79	29.60	40.00	10.40	Peak
3	44.587	39.93	-14.00	25.93	40.00	14.07	Peak
4	71.581	45.61	-16.64	28.97	40.00	11.03	Peak
5	140.835	37.53	-11.93	25.60	43.50	17.90	Peak
6	178.133	41.78	-13.50	28.28	43.50	15.22	Peak

**Test Mode:** M3 (operating at 714.0125MHz)

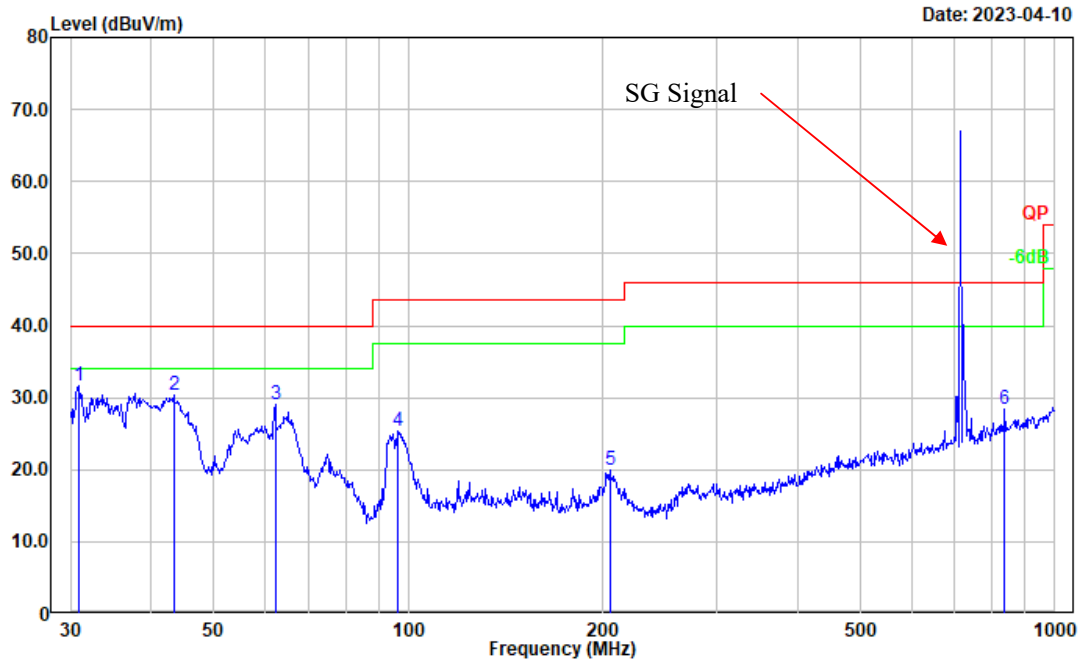
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.180	28.88	-4.50	24.38	40.00	15.62	Peak
2	66.499	39.65	-16.82	22.83	40.00	17.17	Peak
3	96.099	45.04	-15.31	29.73	43.50	13.77	Peak
4	152.664	32.13	-12.02	20.11	43.50	23.39	Peak
5	263.819	33.45	-12.31	21.14	46.00	24.86	Peak
6	833.317	30.46	-1.65	28.81	46.00	17.19	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

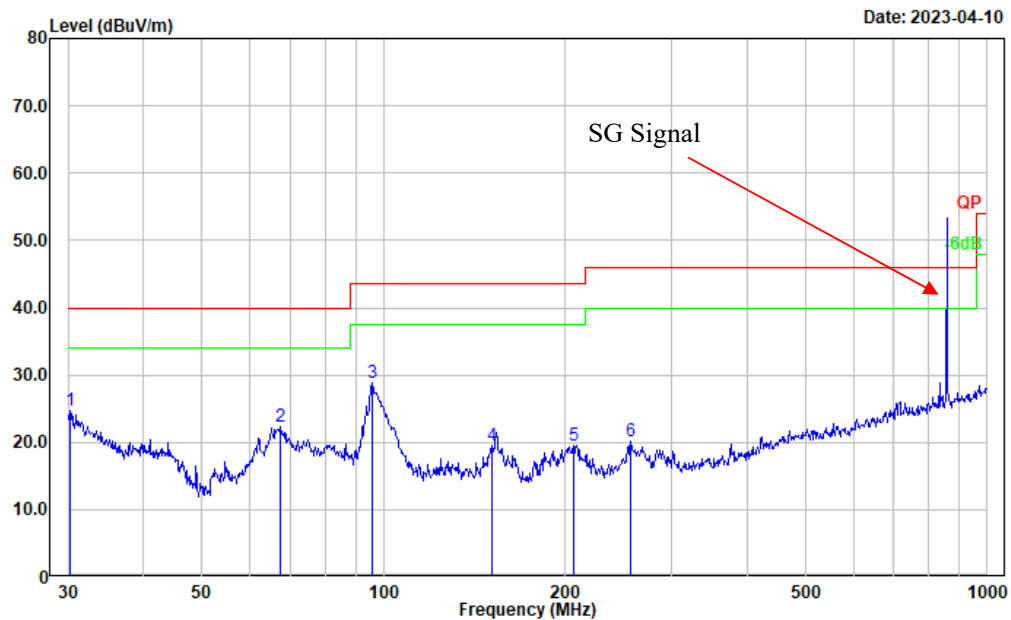


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.962	36.04	-4.34	31.70	40.00	8.30	Peak
2	43.353	43.65	-13.29	30.36	40.00	9.64	Peak
3	62.213	46.36	-17.22	29.14	40.00	10.86	Peak
4	96.436	40.56	-15.23	25.33	43.50	18.17	Peak
5	204.955	32.30	-12.36	19.94	43.50	23.56	Peak
6	836.244	30.07	-1.66	28.41	46.00	17.59	Peak

**Test Mode: M3 (operating at 857MHz)**

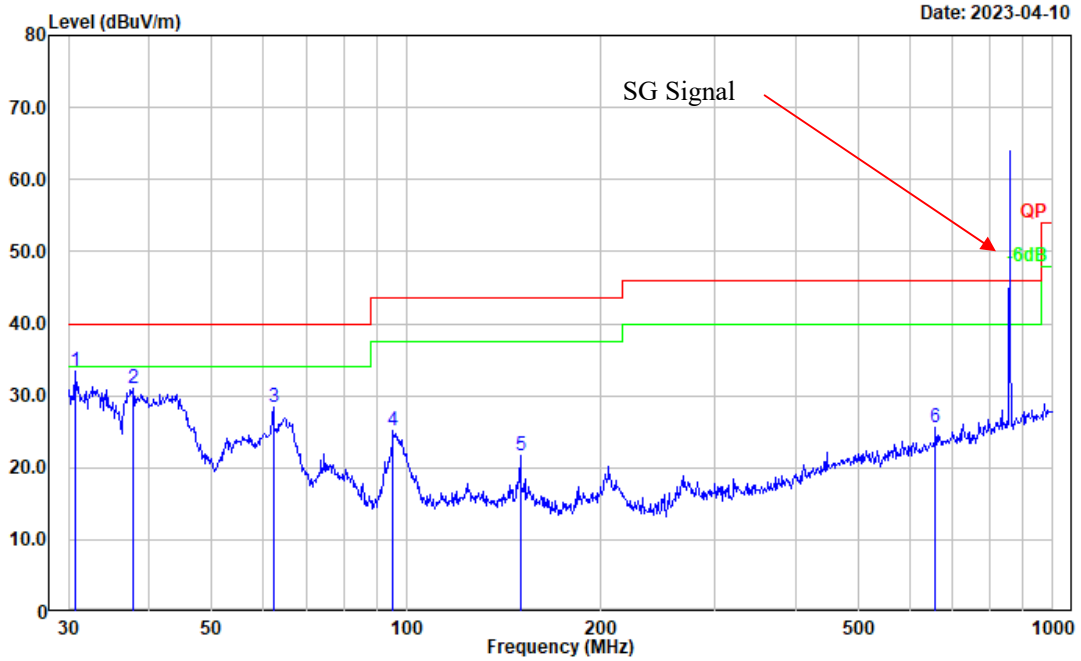
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + Receiving  
Polarization: horizontal  
Note:



No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector
1	30.211	28.49	-3.76	24.73	40.00	15.27	Peak
2	67.438	39.02	-16.72	22.30	40.00	17.70	Peak
3	95.762	44.14	-15.40	28.74	43.50	14.76	Peak
4	151.067	31.56	-12.05	19.51	43.50	23.99	Peak
5	206.398	31.93	-12.39	19.54	43.50	23.96	Peak
6	256.521	32.92	-12.70	20.22	46.00	25.78	Peak

Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

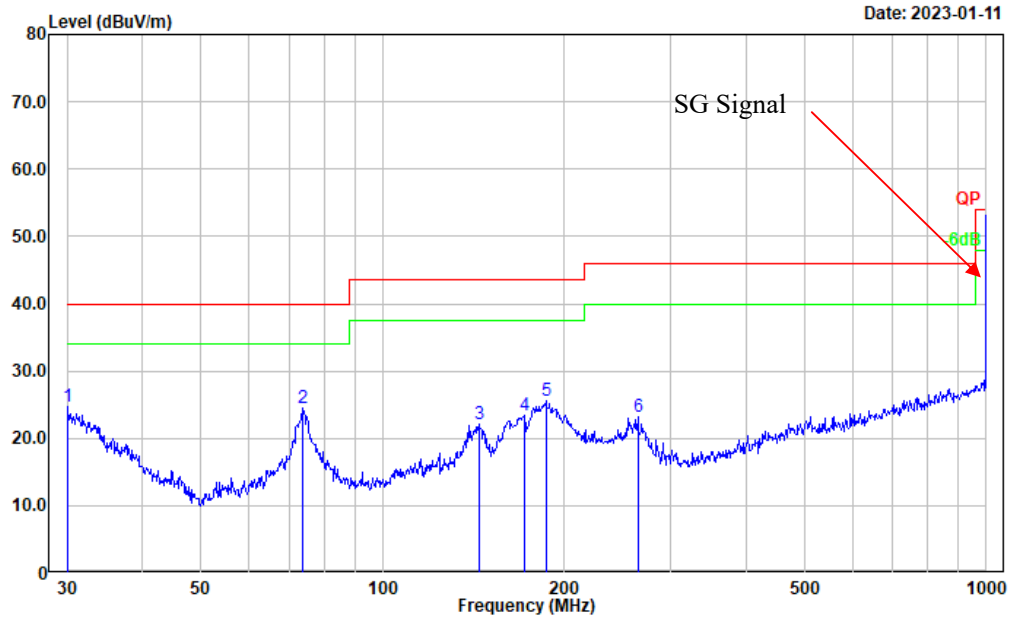


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.745	37.57	-4.17	33.40	40.00	6.60	Peak
2	37.812	40.61	-9.59	31.02	40.00	8.98	Peak
3	62.213	45.66	-17.22	28.44	40.00	11.56	Peak
4	95.427	40.71	-15.50	25.21	43.50	18.29	Peak
5	150.011	33.76	-12.00	21.76	43.50	21.74	Peak
6	658.836	29.65	-4.13	25.52	46.00	20.48	Peak

**Test Mode:** M3 (operating at 999.9975MHz)

Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

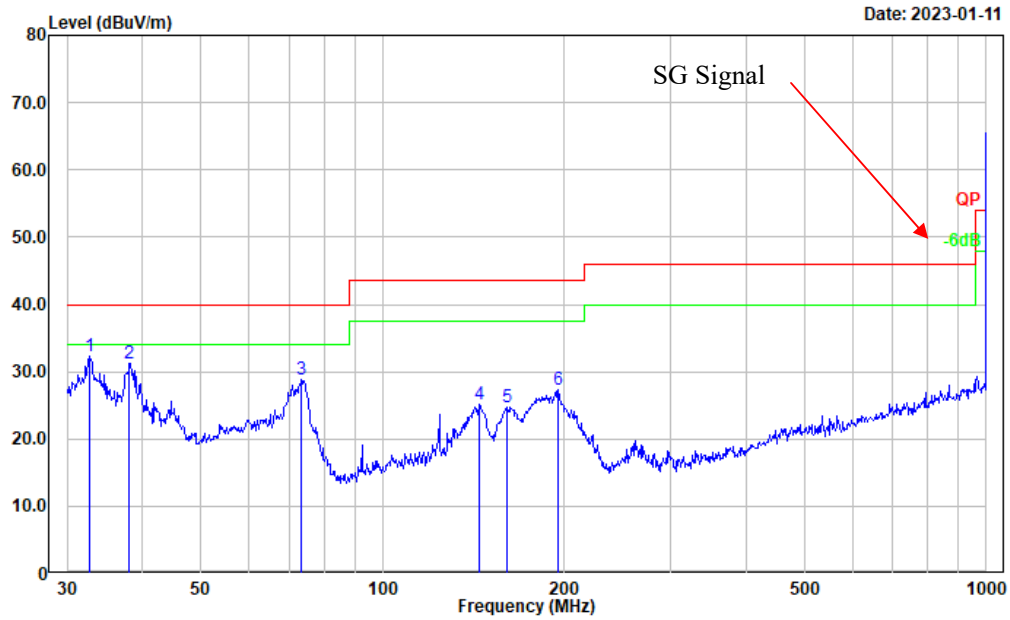
Test Mode: Charging + Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.000	28.37	-3.60	24.77	40.00	15.23	Peak
2	73.876	41.44	-16.88	24.56	40.00	15.44	Peak
3	144.335	34.10	-11.96	22.14	43.50	21.36	Peak
4	171.393	36.53	-13.02	23.51	43.50	19.99	Peak
5	186.441	39.06	-13.57	25.49	43.50	18.01	Peak
6	264.746	35.47	-12.29	23.18	46.00	22.82	Peak



Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

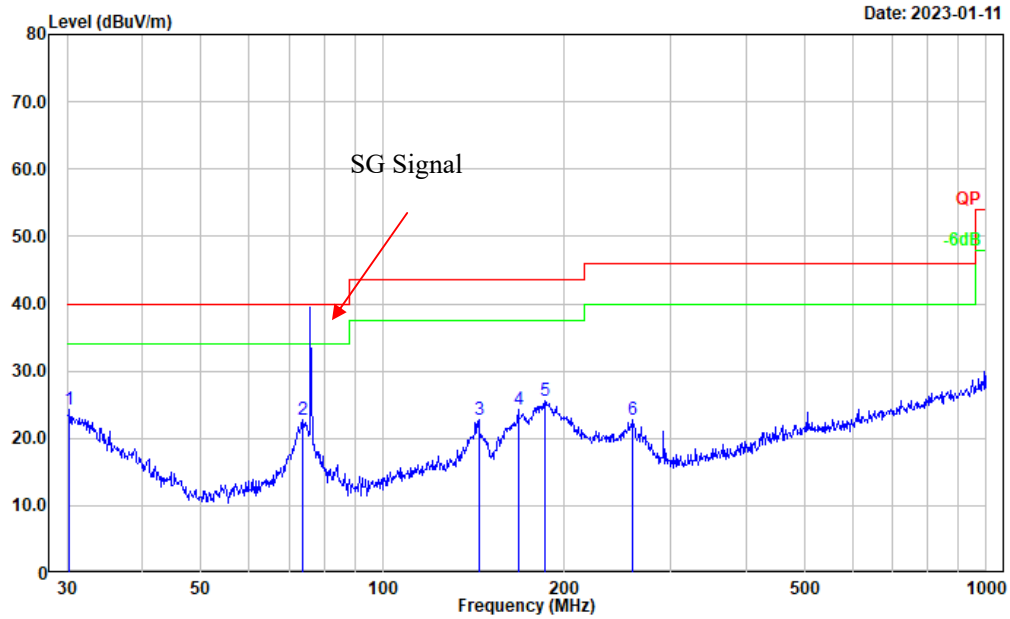


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.749	38.12	-5.71	32.41	40.00	7.59	Peak
2	38.078	40.91	-9.79	31.12	40.00	8.88	Peak
3	73.359	45.62	-16.80	28.82	40.00	11.18	Peak
4	144.335	37.01	-11.96	25.05	43.50	18.45	Peak
5	160.909	36.84	-12.15	24.69	43.50	18.81	Peak
6	195.137	40.11	-12.76	27.35	43.50	16.15	Peak

**Test Mode: M4 (operating at 76.1MHz)**

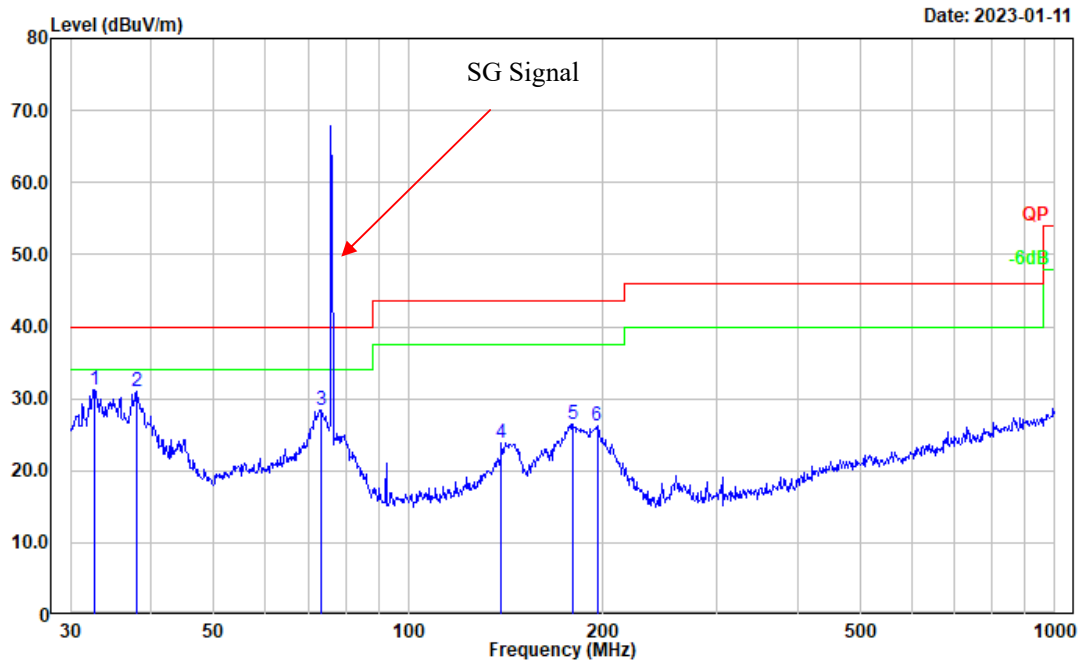
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + FM Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.317	28.03	-3.85	24.18	40.00	15.82	Peak
2	73.876	39.63	-16.88	22.75	40.00	17.25	Peak
3	144.335	34.63	-11.96	22.67	43.50	20.83	Peak
4	167.824	36.97	-12.73	24.24	43.50	19.26	Peak
5	185.788	39.19	-13.56	25.63	43.50	17.87	Peak
6	259.234	35.25	-12.48	22.77	46.00	23.23	Peak

Test Mode: Charging + FM Receiving  
 Polarization: vertical  
 Note:



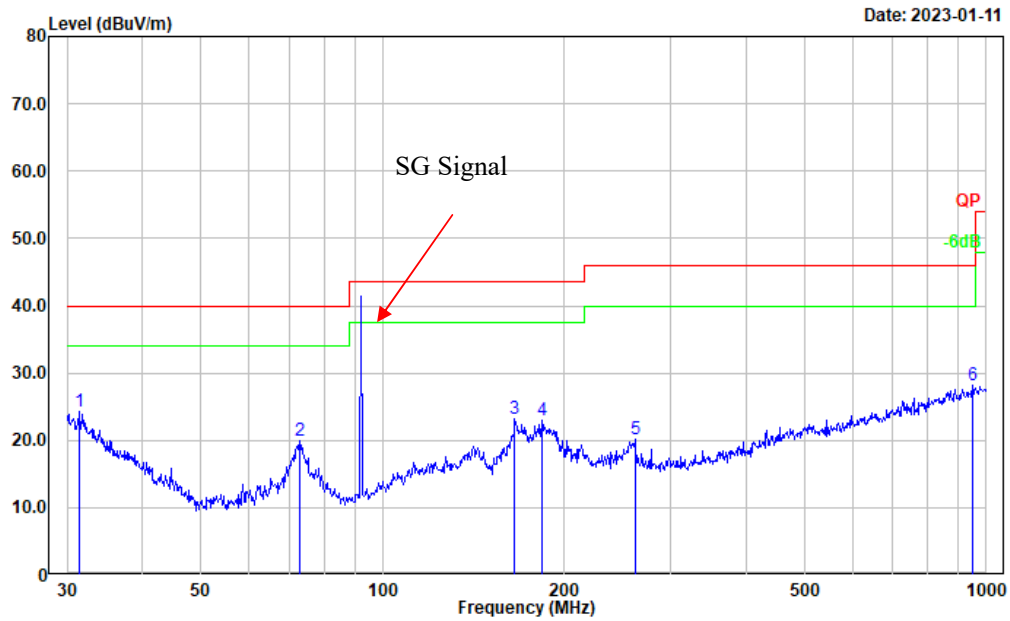
Date: 2023-01-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.634	36.87	-5.62	31.25	40.00	8.75	Peak
2	37.945	40.62	-9.69	30.93	40.00	9.07	Peak
3	73.359	45.21	-16.80	28.41	40.00	11.59	Peak
4	139.361	35.62	-11.83	23.79	43.50	19.71	Peak
5	180.017	40.04	-13.63	26.41	43.50	17.09	Peak
6	195.822	38.82	-12.68	26.14	43.50	17.36	Peak

**Test Mode: M4 (operating at 92MHz)**

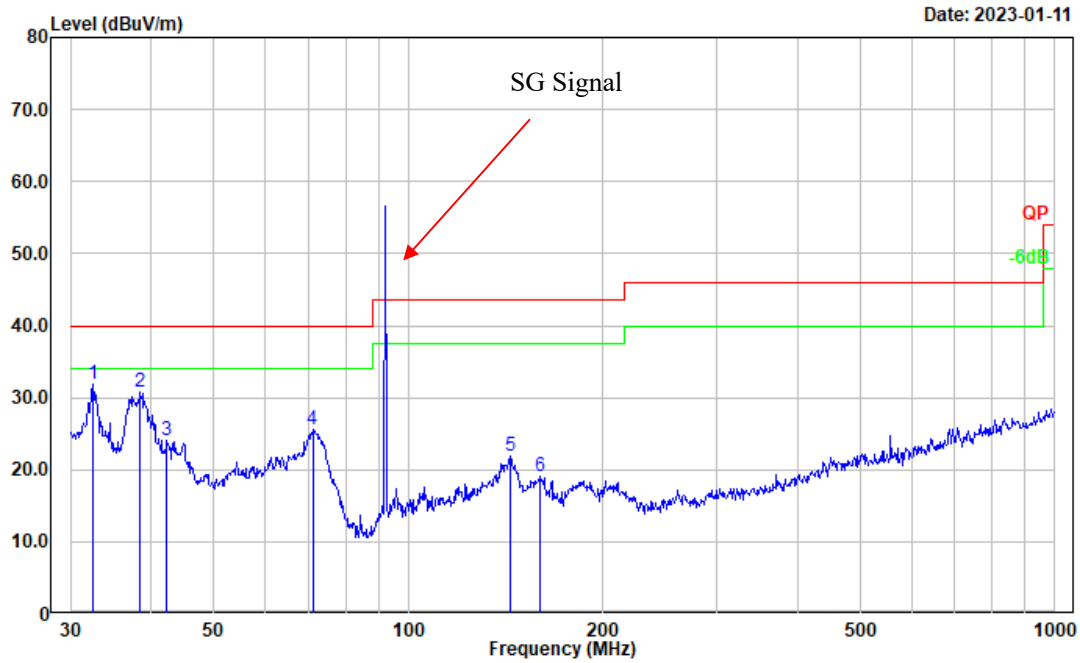
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + FM Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	31.510	28.94	-4.75	24.19	40.00	15.81	Peak
2	72.847	36.67	-16.72	19.95	40.00	20.05	Peak
3	165.487	35.62	-12.51	23.11	43.50	20.39	Peak
4	183.201	36.58	-13.60	22.98	43.50	20.52	Peak
5	261.975	32.52	-12.37	20.15	46.00	25.85	Peak
6	948.761	28.29	-0.21	28.08	46.00	17.92	Peak

Test Mode: Charging + FM Receiving  
 Polarization: vertical  
 Note:

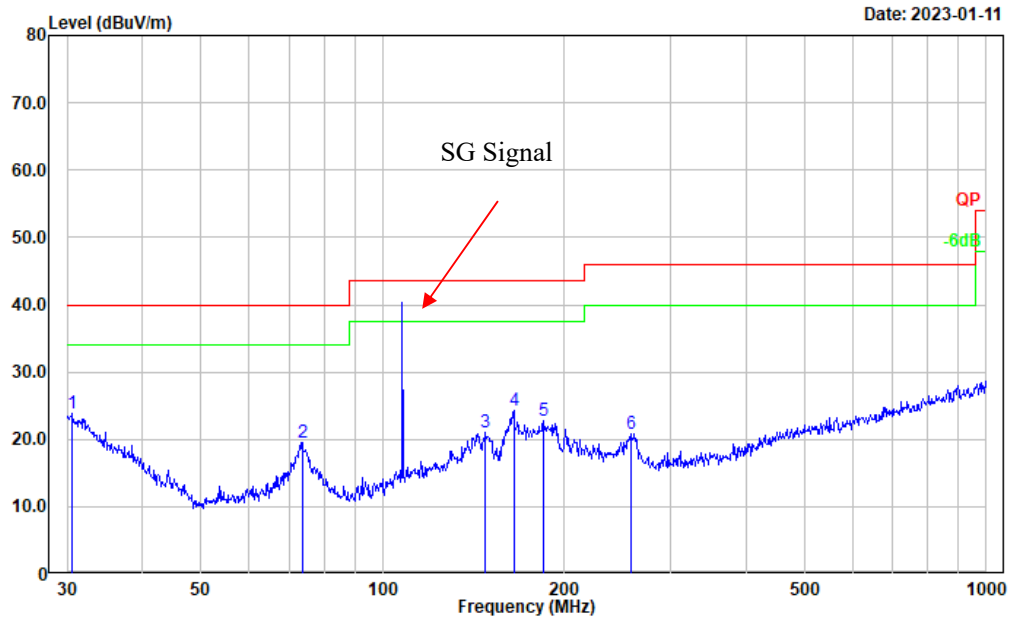


No.	Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Detector
1	32.520	37.32	-5.54	31.78	40.00	8.22	Peak
2	38.481	40.93	-10.11	30.82	40.00	9.18	Peak
3	42.302	36.81	-12.64	24.17	40.00	15.83	Peak
4	71.080	42.08	-16.59	25.49	40.00	14.51	Peak
5	143.830	33.79	-11.96	21.83	43.50	21.67	Peak
6	159.784	31.07	-12.05	19.02	43.50	24.48	Peak

**Test Mode: M4 (operating at 107.9MHz)**

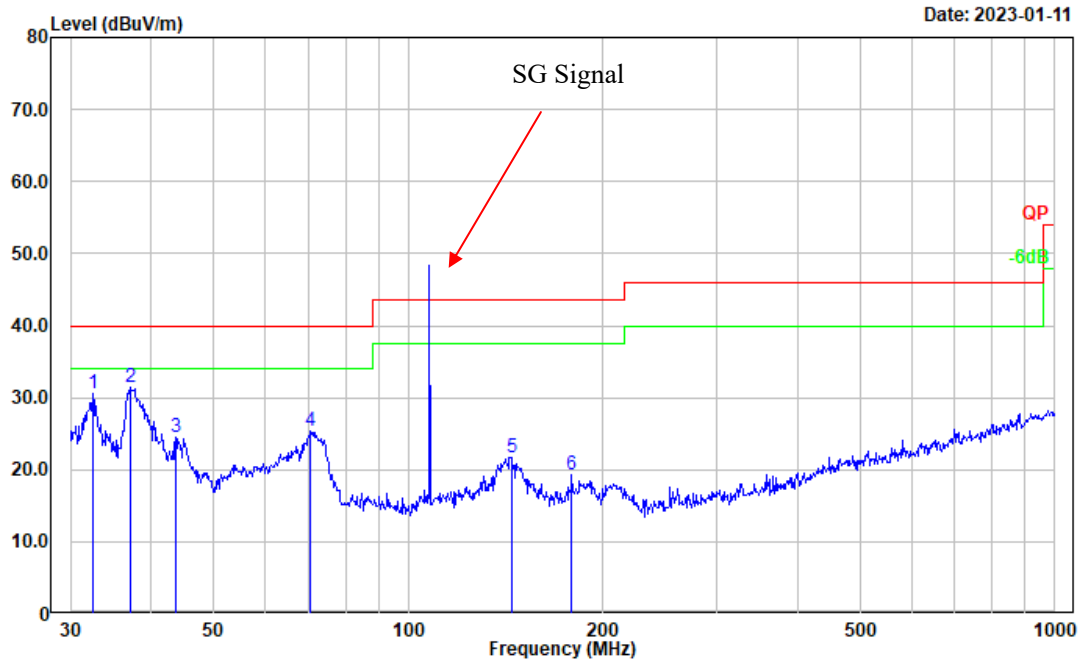
Note: Pre-scan Test mode M1/M2, worst case is M1 (charging from base), so for M3/M4, base charging is selected to test.

Test Mode: Charging + FM Receiving  
 Polarization: horizontal  
 Note:



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.638	27.96	-4.09	23.87	40.00	16.13	Peak
2	73.617	36.27	-16.83	19.44	40.00	20.56	Peak
3	147.921	33.08	-11.99	21.09	43.50	22.41	Peak
4	164.908	36.71	-12.50	24.21	43.50	19.29	Peak
5	185.138	36.31	-13.56	22.75	43.50	20.75	Peak
6	257.422	33.40	-12.64	20.76	46.00	25.24	Peak

Test Mode: Charging + FM Receiving  
 Polarization: vertical  
 Note:

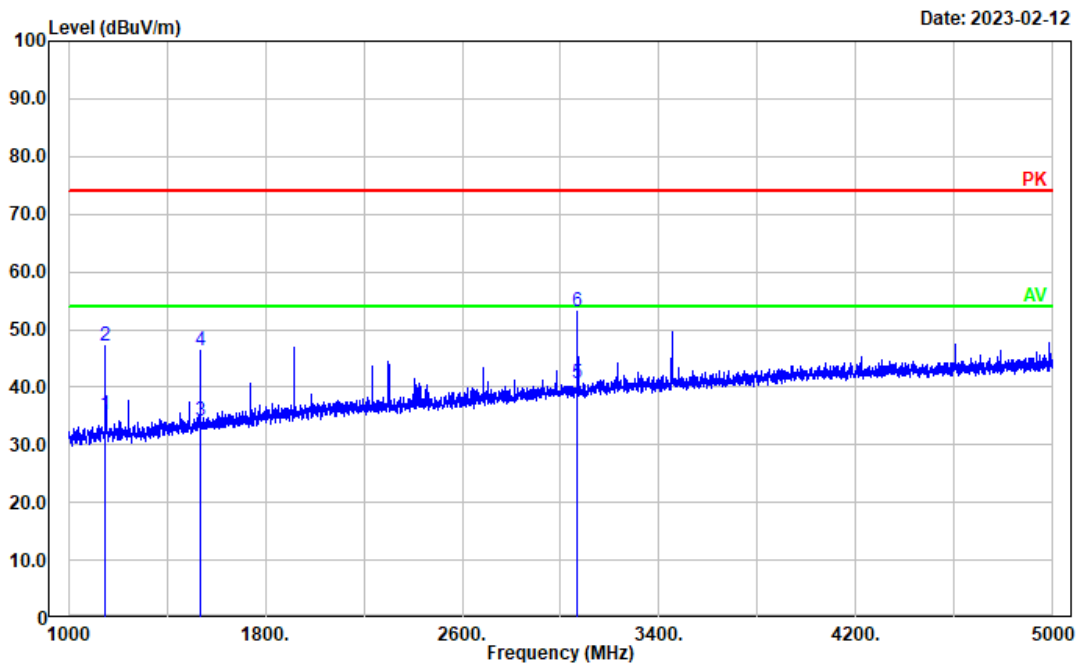


Date: 2023-01-11

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	32.520	36.21	-5.54	30.67	40.00	9.33	Peak
2	37.155	40.52	-9.12	31.40	40.00	8.60	Peak
3	43.659	37.86	-13.46	24.40	40.00	15.60	Peak
4	70.584	41.85	-16.53	25.32	40.00	14.68	Peak
5	144.335	33.60	-11.96	21.64	43.50	21.86	Peak
6	178.758	32.94	-13.55	19.39	43.50	24.11	Peak

## 2) Above 1GHz (Worst mode is M3 (charging from base, operating at 222.0125MHz):

Test Mode: Charging + Receiving  
Polarization: horizontal  
Note:

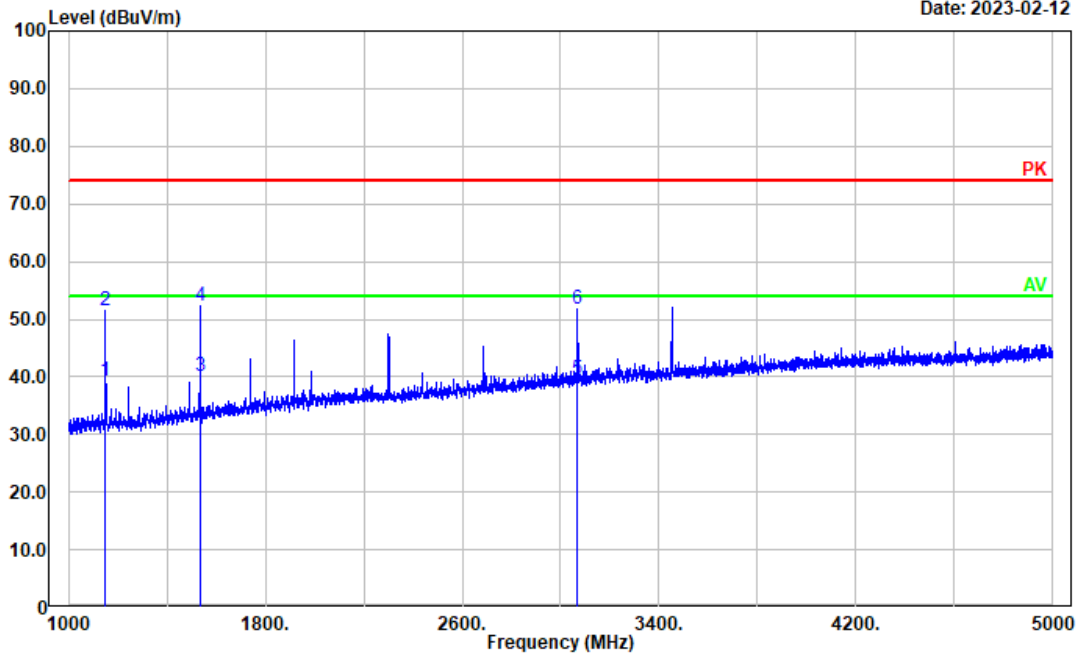


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1150.430	37.04	-1.92	35.12	54.00	18.88	Average
2	1150.430	49.05	-1.92	47.13	74.00	26.87	Peak
3	1533.707	34.28	-0.25	34.03	54.00	19.97	Average
4	1533.707	46.56	-0.25	46.31	74.00	27.69	Peak
5	3068.414	34.37	6.29	40.66	54.00	13.34	Average
6	3068.414	46.74	6.29	53.03	74.00	20.97	Peak



Test Mode: Charging + Receiving  
 Polarization: vertical  
 Note:

Date: 2023-02-12



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1150.430	41.26	-1.92	39.34	54.00	14.66	Average
2	1150.430	53.53	-1.92	51.61	74.00	22.39	Peak
3	1533.707	40.27	-0.25	40.02	54.00	13.98	Average
4	1533.707	52.55	-0.25	52.30	74.00	21.70	Peak
5	3068.414	33.23	6.29	39.52	54.00	14.48	Average
6	3068.414	45.46	6.29	51.75	74.00	22.25	Peak

**4.3 Antenna Power Conduction Limits for Receivers**

Serial Number:	1V8R-1	Test Date:	2023/2/3
Test Site:	RF	Test Mode:	Receiving
Tester:	Morpheus Shi	Test Result:	Pass

**Environmental Conditions:**

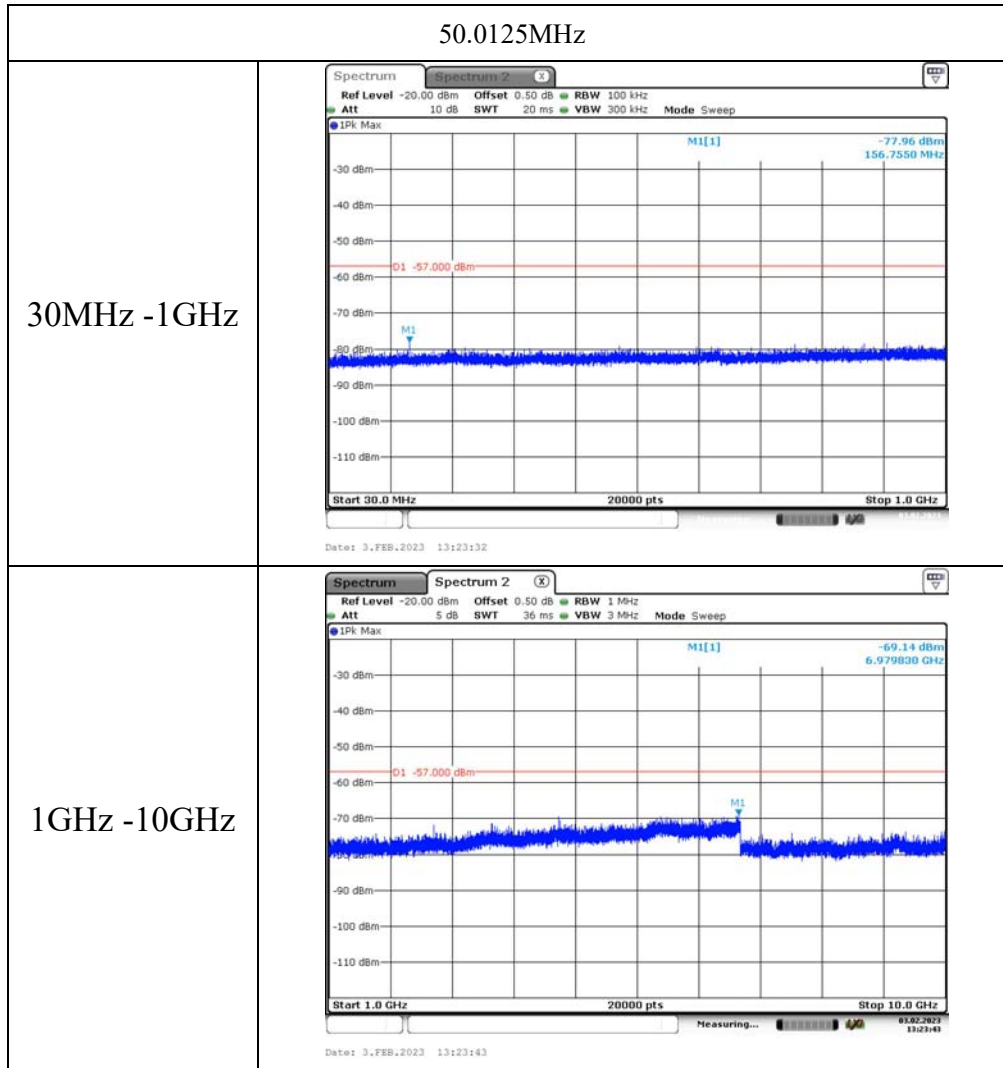
Temperature: (°C)	25.1	Relative Humidity: (%)	49%	ATM Pressure: (kPa)	101.3
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A

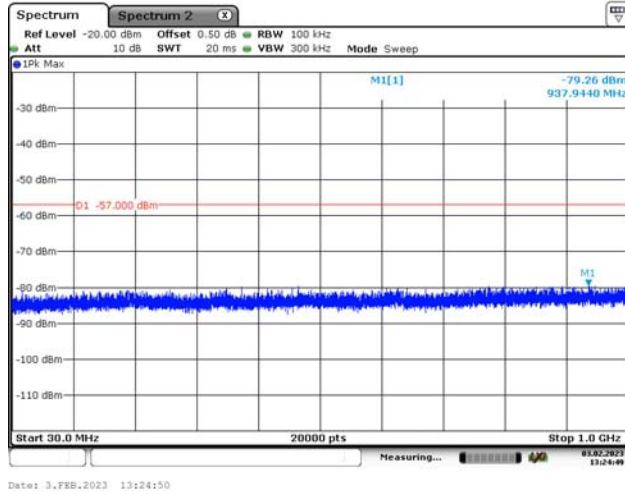
\* *Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

### Receiving Mode

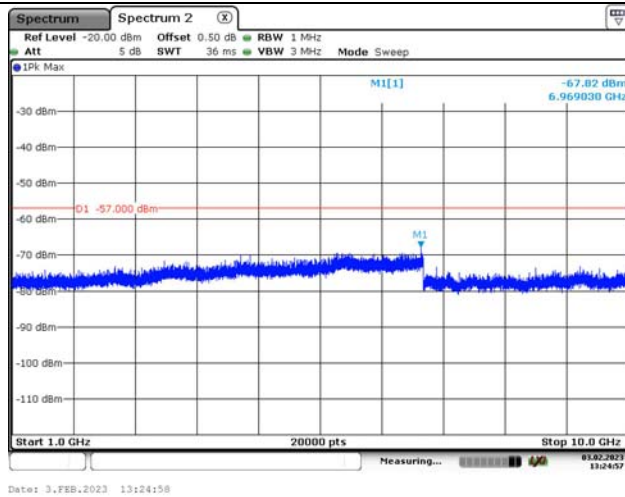


53.9875MHz

30MHz -1GHz

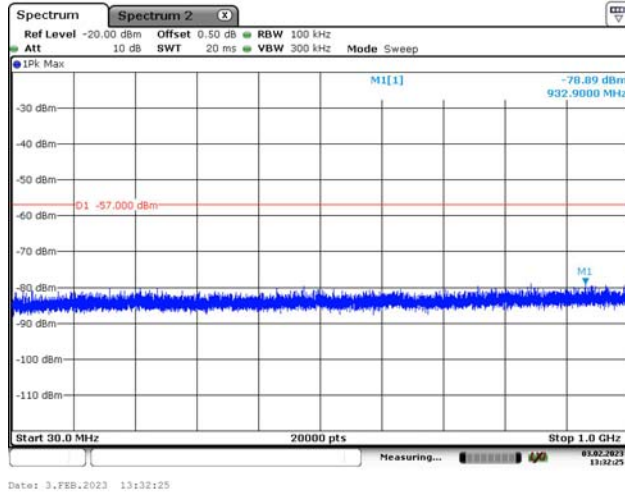


1GHz -10GHz

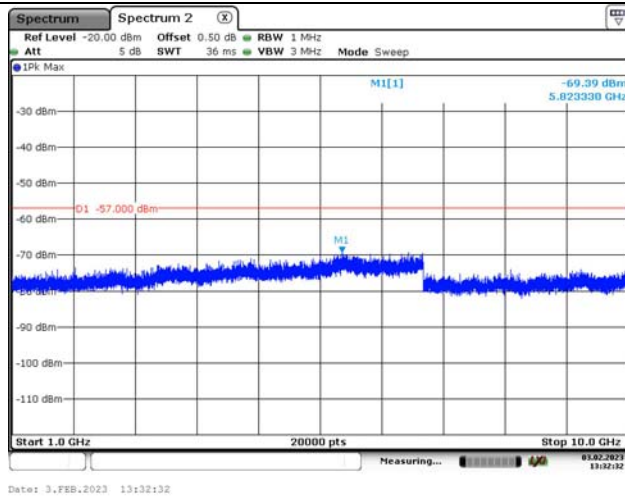


108.0125MHz

30MHz -1GHz

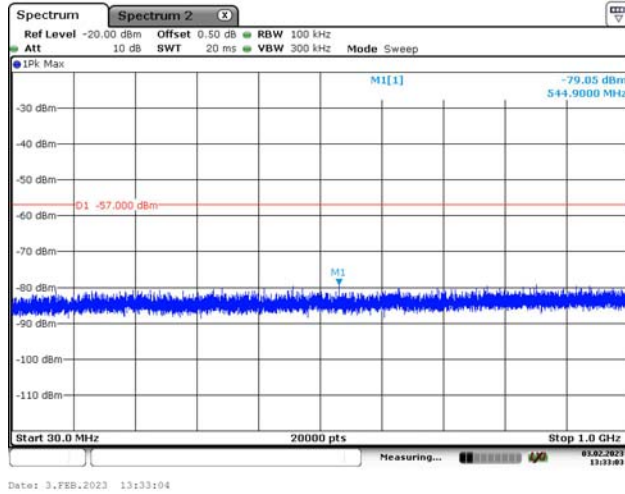


1GHz -10GHz

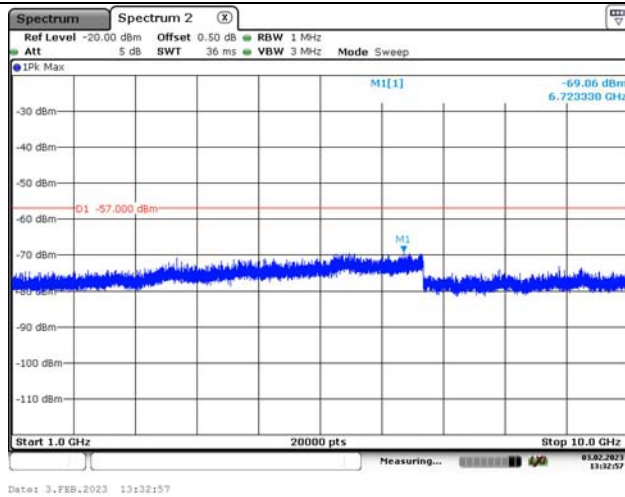


141MHz

30MHz -1GHz



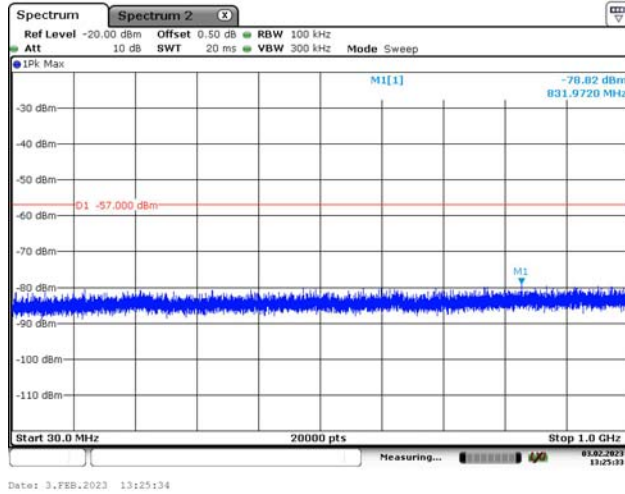
1GHz -10GHz



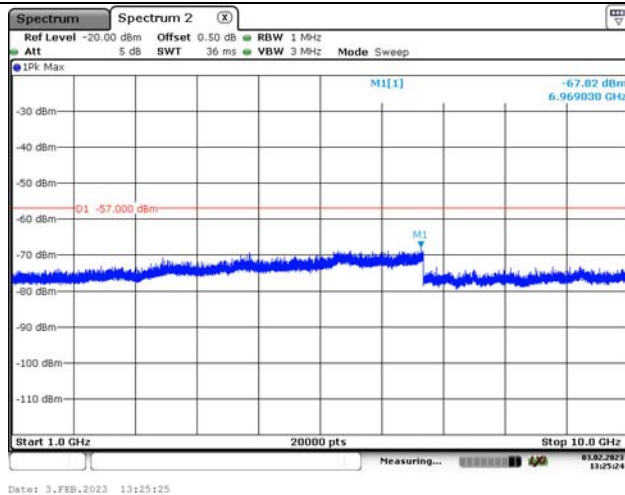


222.0125MHz

30MHz -1GHz



1GHz -10GHz

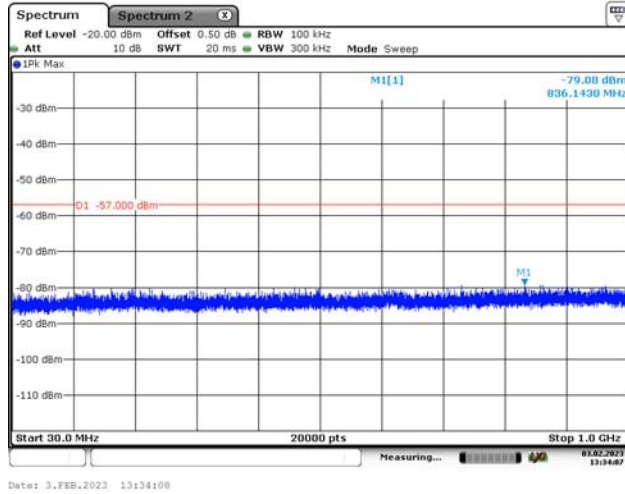




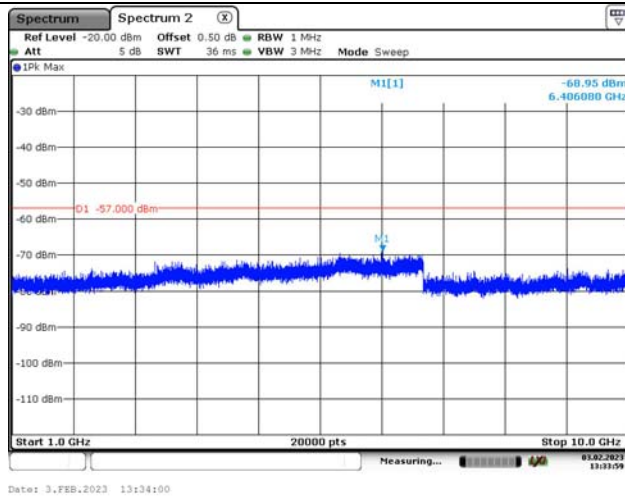


320.0125MHz

30MHz -1GHz

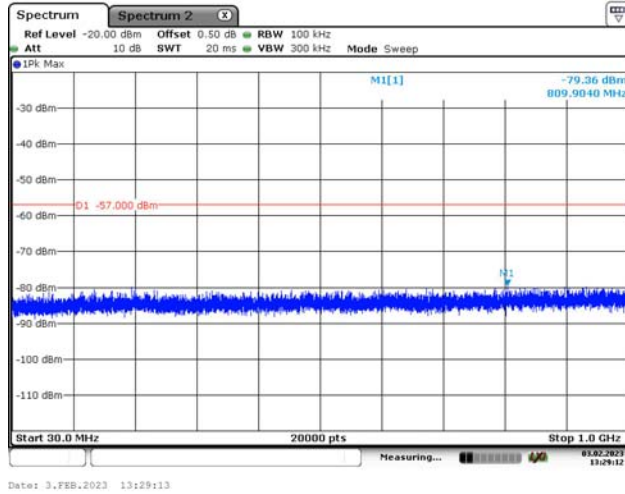


1GHz -10GHz

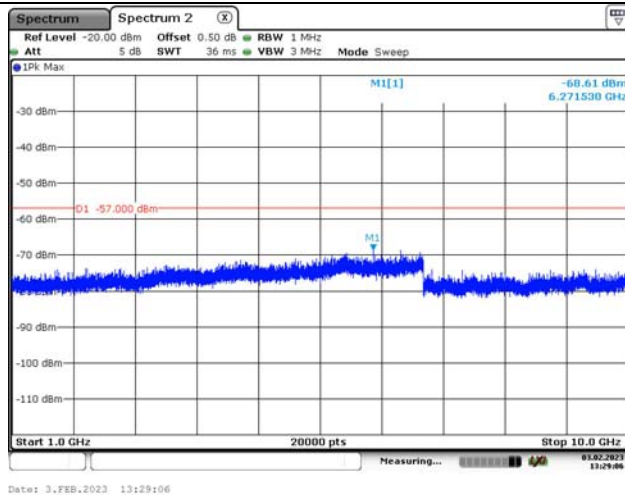


400MHz

30MHz -1GHz

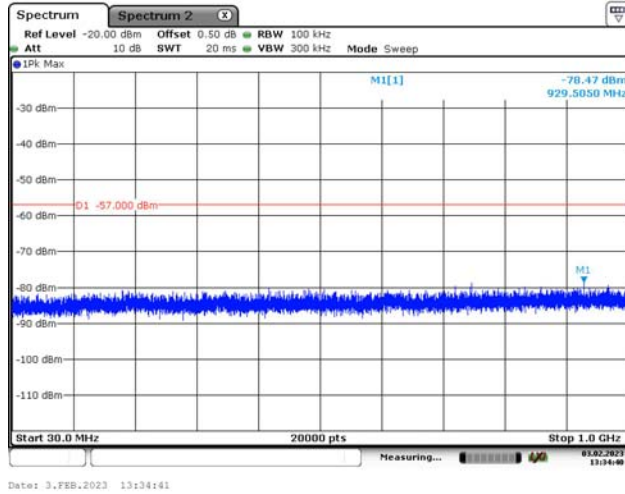


1GHz -10GHz

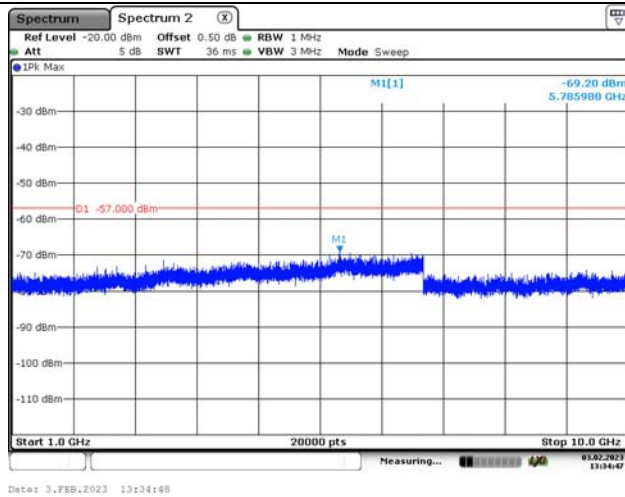


479.9975MHz

30MHz -1GHz

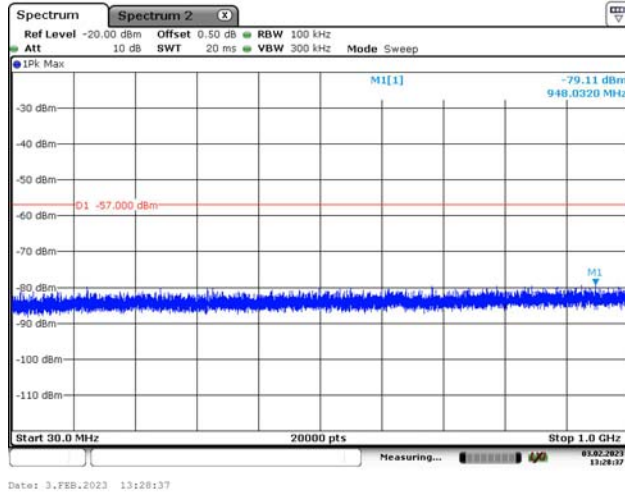


1GHz -10GHz

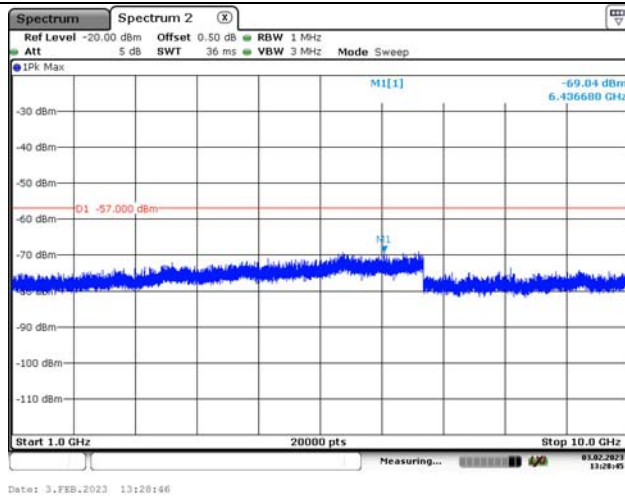


714.0125MHz

30MHz -1GHz

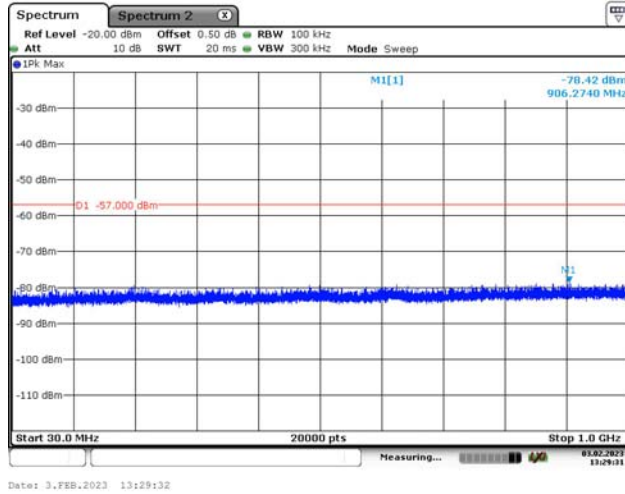


1GHz -10GHz

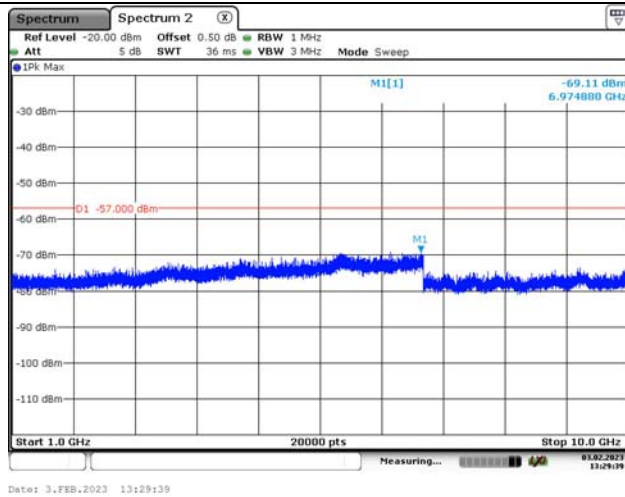


857MHz

30MHz -1GHz

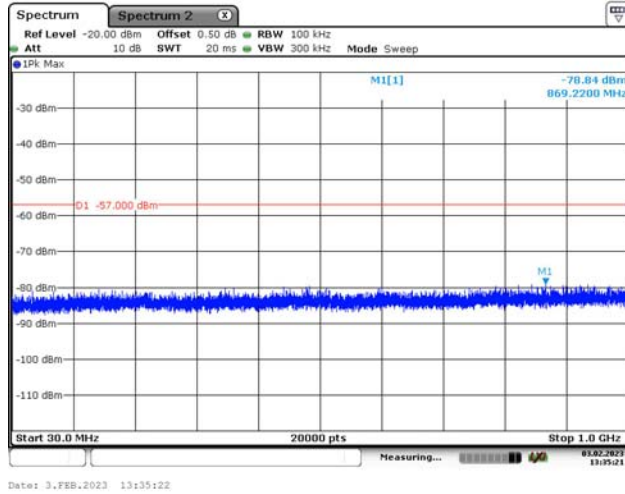


1GHz -10GHz



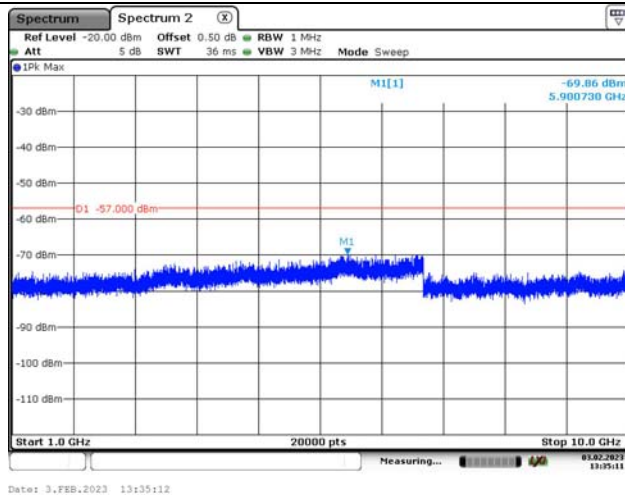
999.9975MHz

30MHz -1GHz



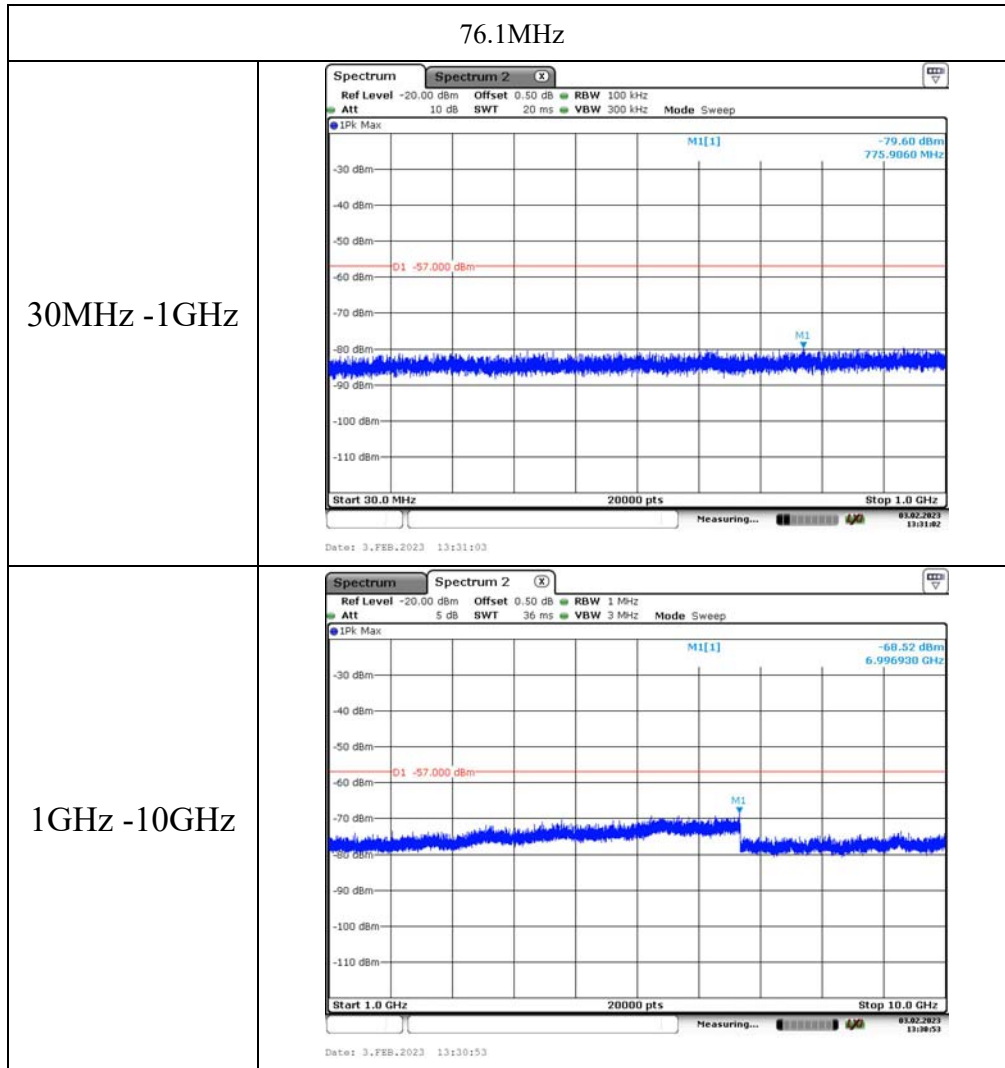
Date: 3.FEB.2023 13:35:22

1GHz -10GHz



Date: 3.FEB.2023 13:35:12

FM Mode

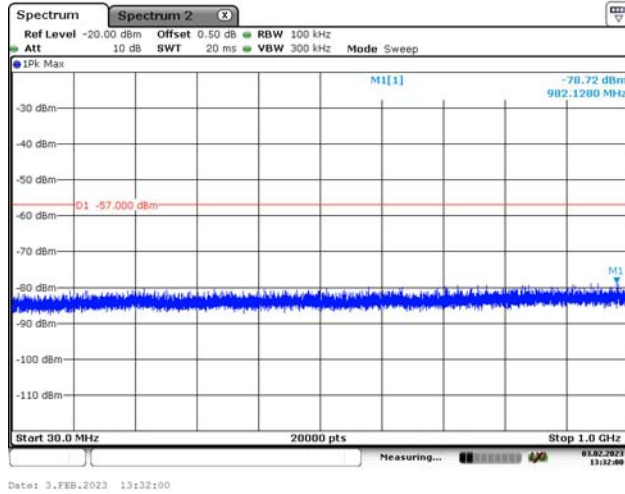






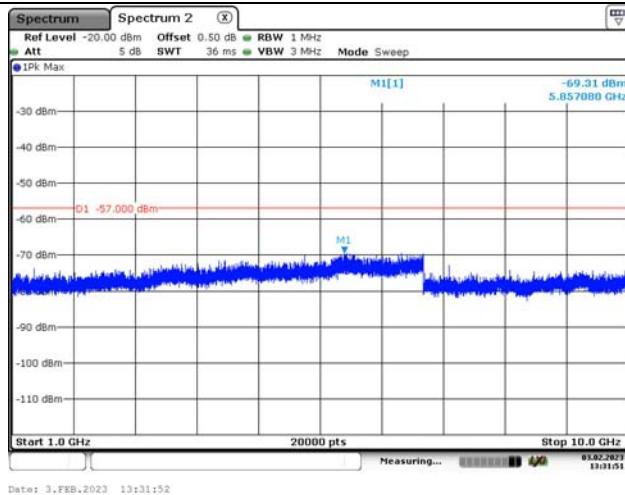
107.9MHz

30MHz -1GHz



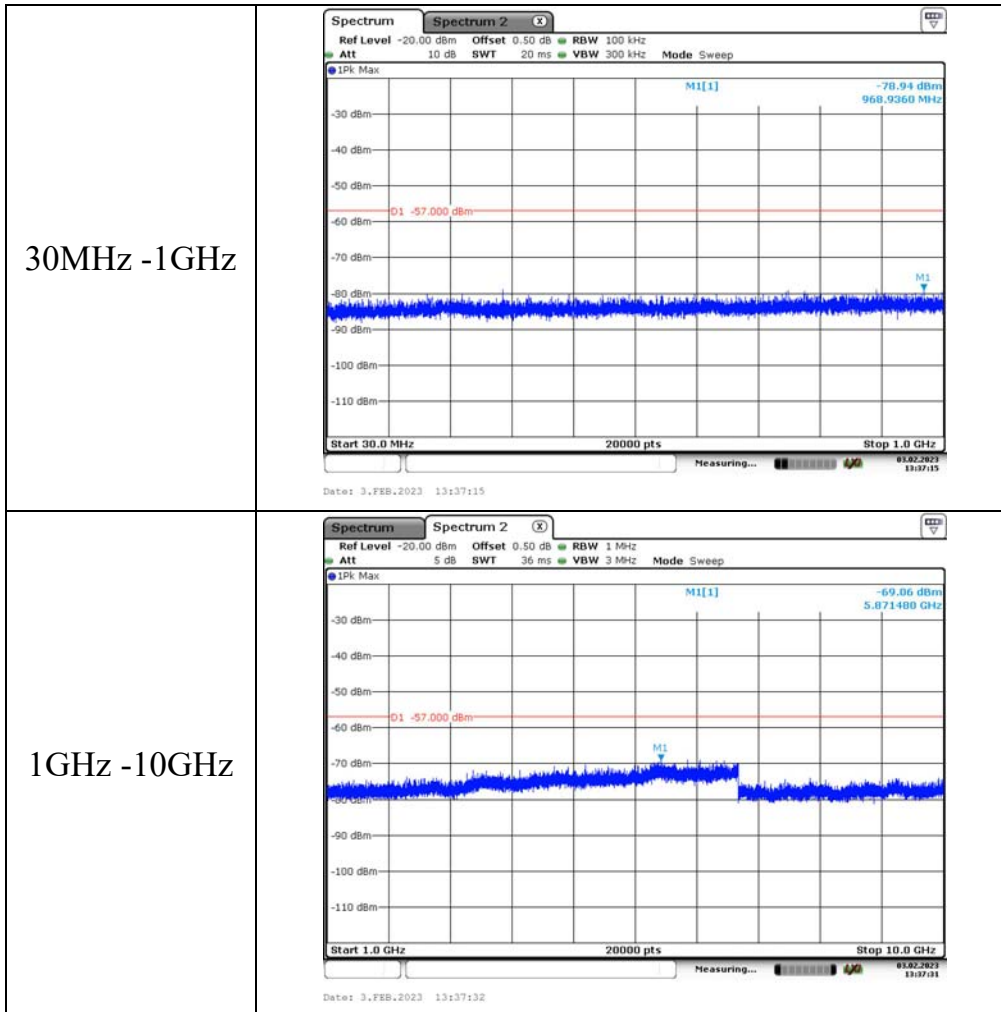
Date: 3.FEB.2023 13:32:00

1GHz -10GHz



Date: 3.FEB.2023 13:31:52

### Scanning Mode



**4.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers**

Serial Number:	1V8R-1	Test Date:	2023/2/3
Test Site:	RF	Test Mode:	Receiving
Tester:	Morpheus Shi	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	25.1	Relative Humidity: (%)	49%	ATM Pressure: (kPa)	101.3
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/07/15	2023/07/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
HP	RF Communications Test Set	8920A	3438A05209	2022/7/15	2023/7/14
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2022/11/18	2023/11/17

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

**Test Data:**

Scanning Frequency Range	Test Frequency	Measurement Result (Worst Case)	Limit
MHz	MHz	dB	dB
50-824, 849-869, 894-960	824, 836, 849, 869, 881.5, 894	42.5	>38

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