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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

TEST REPORT

Applicant: **Alinco Incorporated, Electronics Division**

Address: Yodoyabashi Dai Building 13F, 4-4-9 Koraibashi, Chuo-Ku, Osaka, 541-0043, Japan

FCC ID: **PH3DJ-G46T**

Product Name: **UHF FM TRANSCEIVER**

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: **CR230743394-00B**

Date Of Issue: **2023/8/22**

Reviewed By: **Calvin Chen**

Title: RF Engineer

Approved By: **Sun Zhong**

Title: Manager

Test Laboratory: **China Certification ICT Co., Ltd (Dongguan)**
No. 113, Pingkang Road, Dalang Town, Dongguan,
Guangdong, China
Tel: +86-769-82016888

Test Facility

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

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

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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CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230743394-00B	Original Report	2023/8/22

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	UHF FM TRANSCEIVER
EUT Model:	DJ-G46T
Highest Operation Frequency:	467.7250 MHz
Rated Input Voltage:	DC7.4V from battery
Serial Number:	EMC:28XI-1 RF Conducted test: 28XI-2
EUT Received Date:	2023/7/28
EUT Received Status:	Good

Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter	ALINCO	SAW06F-120-0500UD	Input: 100-240V 50/60Hz 0.25A Output: 12V 0.5A
Charger Base	ALINCO	EDC-314	Input: DC 12-15V 450mA Output: DC 8.4V 500mA

Receiving Frequency And Test Channel:

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
FM Receiving	76.1-107.9	76.1, 92, 107.9
GMRS 462MHz Receiving	462.5500-462.7250	462.6375
GMRS 467MHz Receiving	467.5500-467.7250	467.6375

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Typical Use Mode, which was provided by the manufacturer. Test Mode: M1:Charging (When EUT was charging, receiving/Transmitting mode can`t operation.) M2:Receiving (GMRS receiving/FM Broadcast Receiving)
Equipment Modifications:	No
EUT Exercise Software:	No

1.2.2 Support Equipment List and Details

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

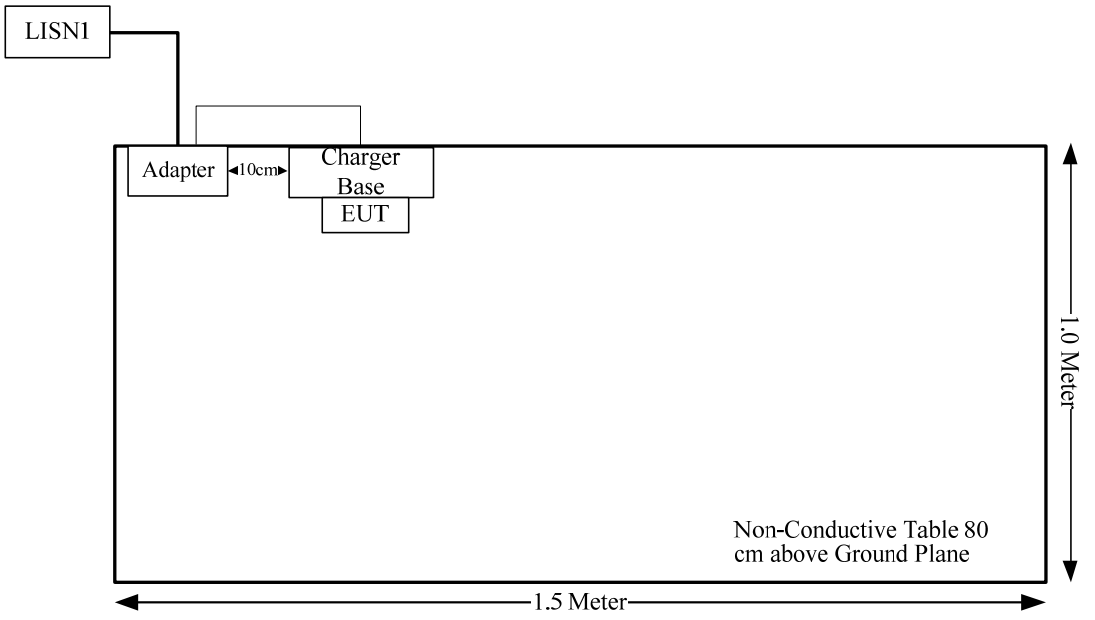
1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Adapter cable	No	No	1.2	Adapter	Charger Base
Antenna cable	No	No	1.5	Antenna	N5182B

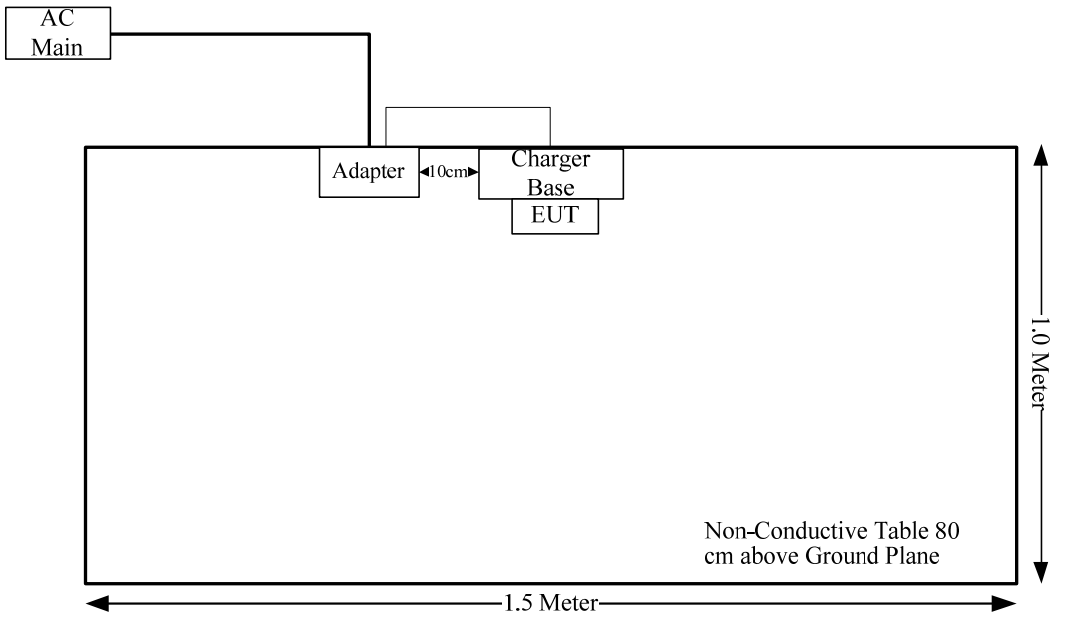
1.2.4 Block Diagram of Test Setup

AC line conducted emissions:

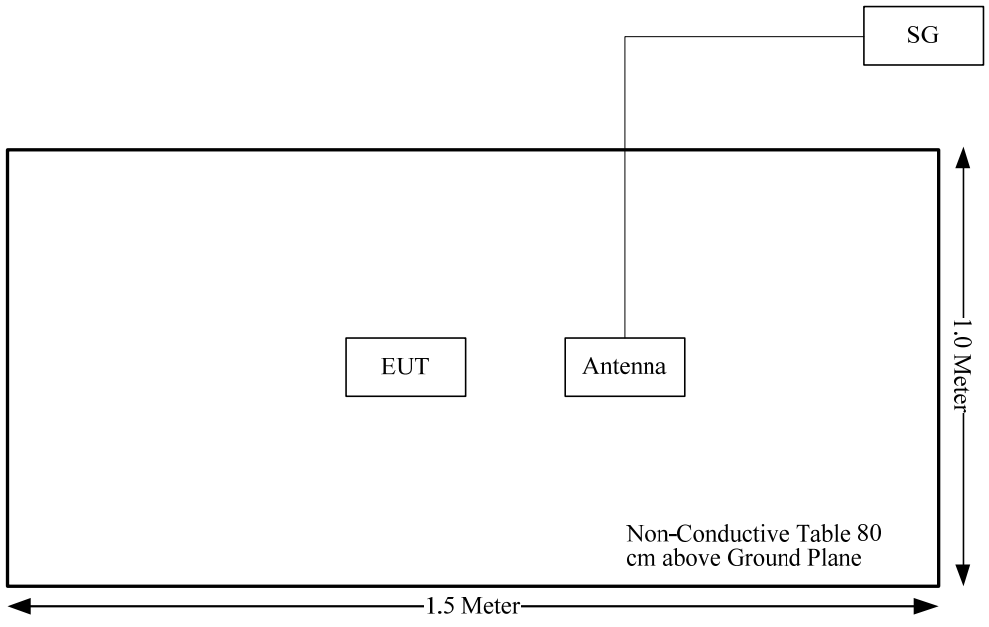
Charging mode:



Radiated emissions:
Charging Mode:



Receiving Mode:



1.3 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.15 dB,200M~1GHz: 5.61 dB,1G~6GHz: 5.14 dB, 6G~18GHz: 5.93 dB,18G~26.5G:5.47 dB,26.5G~40G:5.63 dB
Temperature	±1℃
Humidity	±5%
AC Power Lines Conducted Emission	2.8 dB (150 kHz to 30 MHz)
Unwanted Emissions, conducted	±1.26 dB

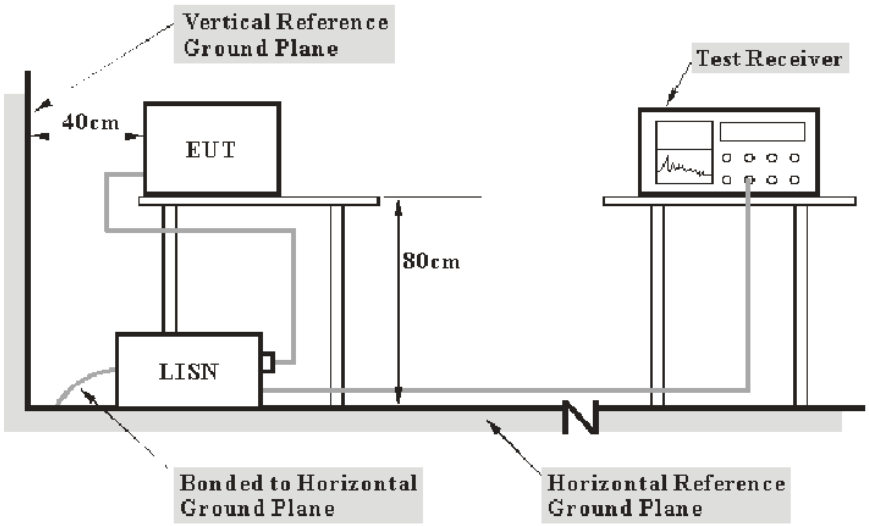
2. SUMMARY OF TEST RESULTS

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

3. REQUIREMENTS AND TEST PROCEDURES

3.1 AC Line Conducted Emissions

3.1.1 EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

3.1.2 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

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

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

3.1.3 Test Procedure

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

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

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

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

3.1.4 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

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

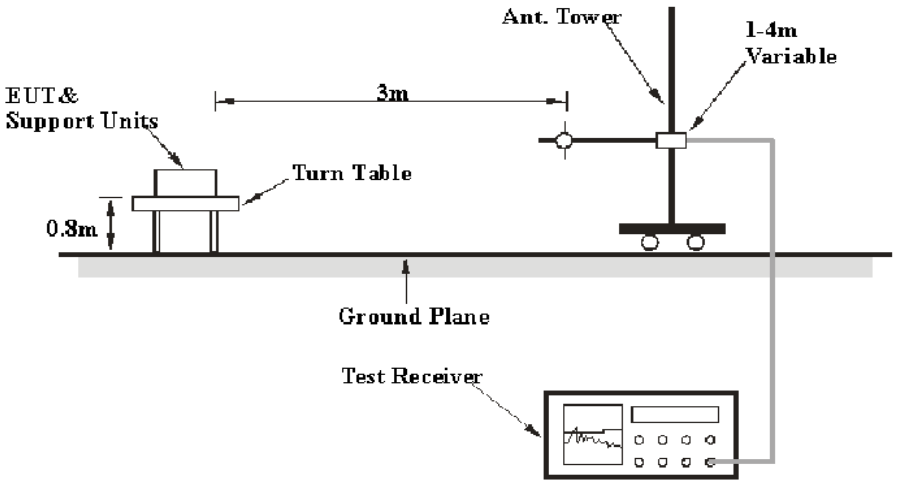
The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

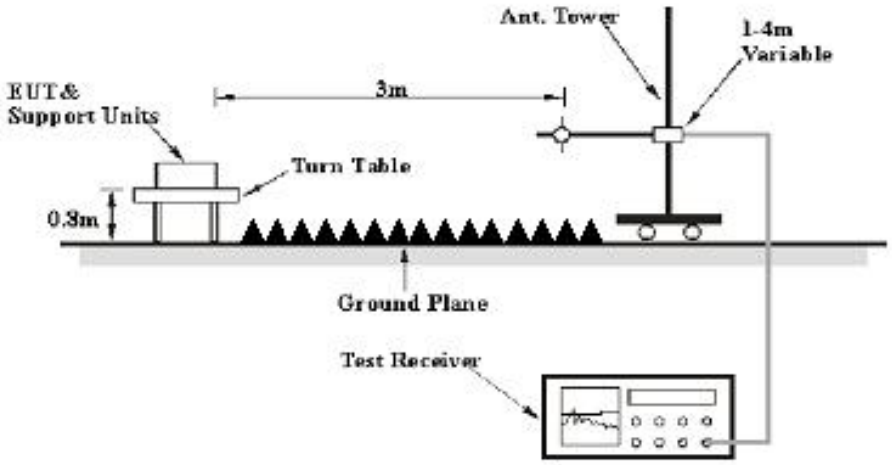
3.2 Radiation Spurious Emissions

3.2.1 EUT Setup

Below 1GHz:



Above 1GHz:



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

3.2.2 EMI Test Receiver Setup

The system was investigated from 30 MHz to 2 GHz.

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

Frequency Range	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	Reduced video bandwidth	/	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.

4. TEST DATA AND RESULTS

4.1 AC Line Conducted Emissions

Serial Number:	28XI-1	Test Date:	2023/08/15
Test Site:	CE	Test Mode:	M1
Tester:	David Huang	Test Result:	Pass

Environmental Conditions:

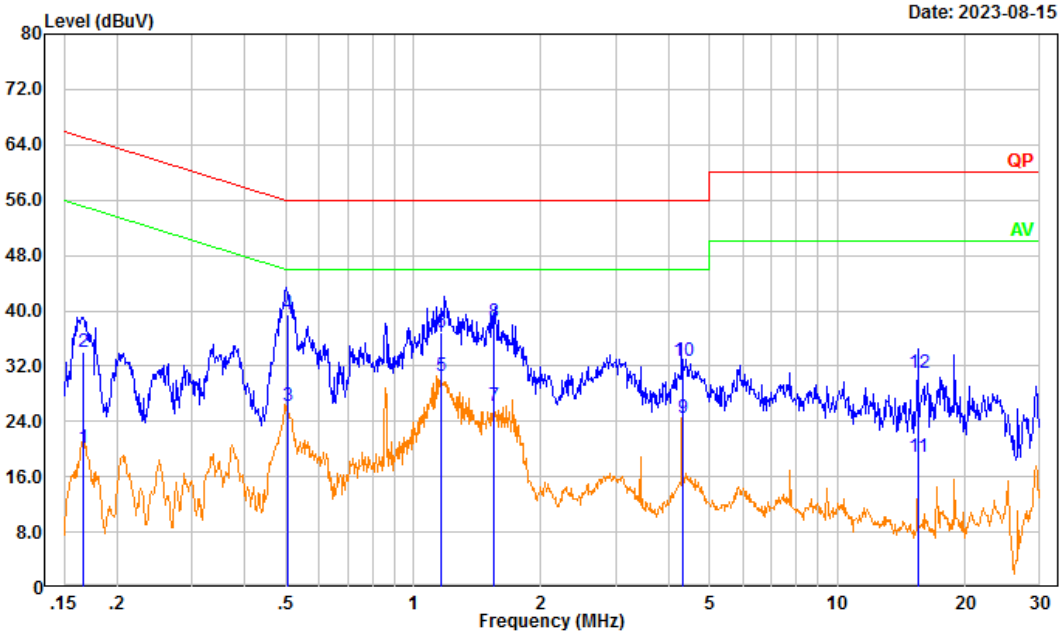
Temperature: (℃)	25.1	Relative Humidity: (%)	65	ATM Pressure: (kPa)	100.5

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	2023/03/31	2024/03/30
MICRO-COAX	Coaxial Cable	UTIFLEX	C-0200-01	2023/08/06	2024/08/05
Audix	Test Software	E3	190306 (V9)	N/A	N/A

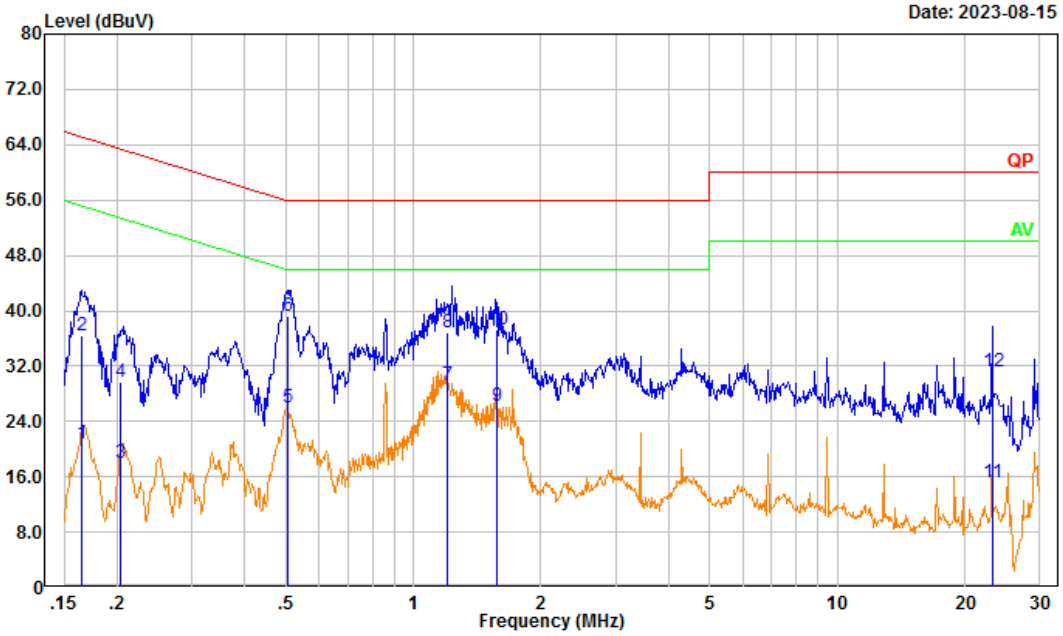
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Project No.: CR230743394-RF
Tester: David Huang
Port: Line
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.167	10.54	9.61	20.15	55.10	34.95	Average
2	0.167	24.40	9.61	34.01	65.10	31.09	QP
3	0.506	16.55	9.61	26.16	46.00	19.84	Average
4	0.506	29.86	9.61	39.47	56.00	16.53	QP
5	1.166	20.86	9.62	30.48	46.00	15.52	Average
6	1.166	27.32	9.62	36.94	56.00	19.06	QP
7	1.552	16.69	9.63	26.32	46.00	19.68	Average
8	1.552	28.67	9.63	38.30	56.00	17.70	QP
9	4.306	14.82	9.65	24.47	46.00	21.53	Average
10	4.306	23.10	9.65	32.75	56.00	23.25	QP
11	15.488	9.22	9.70	18.92	50.00	31.08	Average
12	15.488	21.23	9.70	30.93	60.00	29.07	QP

Project No.: CR230743394-RF
Tester: David Huang
Port: neutral
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.165	11.27	9.61	20.88	55.22	34.34	Average
2	0.165	26.85	9.61	36.46	65.22	28.76	QP
3	0.203	8.49	9.61	18.10	53.48	35.38	Average
4	0.203	20.18	9.61	29.79	63.48	33.69	QP
5	0.505	16.34	9.61	25.95	46.00	20.05	Average
6	0.505	29.53	9.61	39.14	56.00	16.86	QP
7	1.207	19.58	9.62	29.20	46.00	16.80	Average
8	1.207	27.15	9.62	36.77	56.00	19.23	QP
9	1.575	16.52	9.63	26.15	46.00	19.85	Average
10	1.575	27.61	9.63	37.24	56.00	18.76	QP
11	23.228	5.34	9.74	15.08	50.00	34.92	Average
12	23.228	21.38	9.74	31.12	60.00	28.88	QP

4.2 Radiation Spurious Emissions

Serial Number:	28XI-1	Test Date:	2023/08/15~2023/08/16
Test Site:	966-1/966-2	Test Mode:	M1-M2
Tester:	Carl Xue, Tao zhu, coco Tian	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	26.2~27.8	Relative Humidity: (%)	61~62	ATM Pressure: (kPa)	100.1~100.2

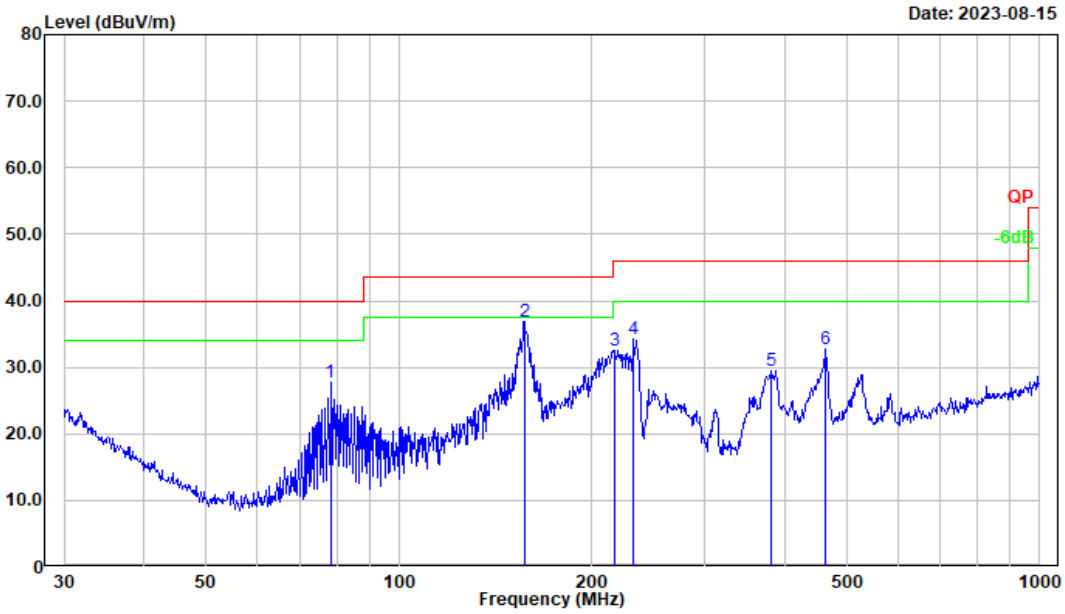
Test Equipment List and Details:

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	2023/03/31	2024/03/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/07/16	2024/07/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/07/16	2024/07/15
Sonoma	Amplifier	310N	186165	2023/07/16	2024/07/15
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2023/03/31	2024/03/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/08/06	2024/08/05
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/08/06	2024/08/05
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
Audix	Test Software	E3	201021 (V9)	N/A	N/A

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

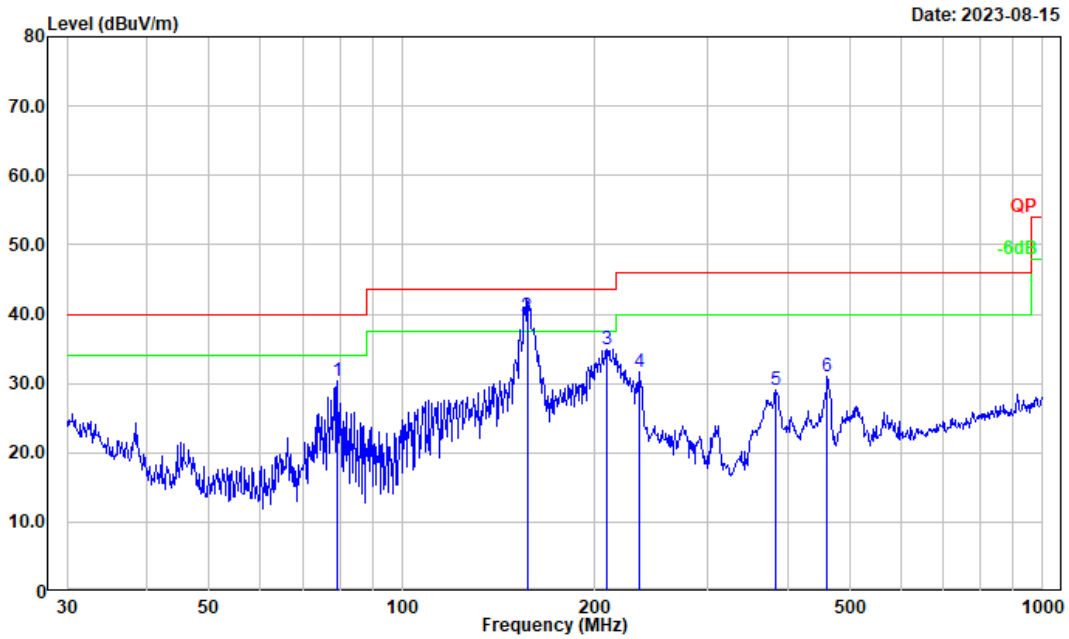
1) 30MHz-1GHz:
Charging:

Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	78.139	44.95	-17.27	27.68	40.00	12.32	Peak
2	157.007	48.95	-12.04	36.91	43.50	6.59	Peak
3	216.783	45.27	-12.68	32.59	46.00	13.41	Peak
4	232.532	47.23	-13.04	34.19	46.00	11.81	Peak
5	379.914	38.68	-9.10	29.58	46.00	16.42	Peak
6	463.970	39.21	-6.51	32.70	46.00	13.30	Peak

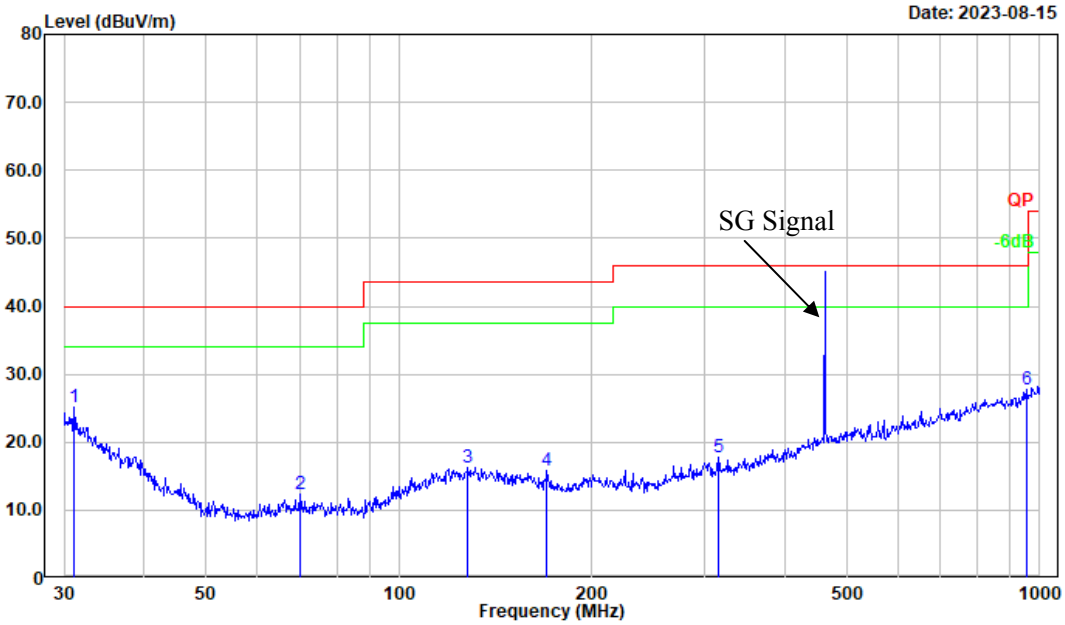
Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	79.243	47.64	-17.37	30.27	40.00	9.73	Peak
2	156.689	51.80	-12.04	39.76	43.50	3.74	QP
3	208.580	47.41	-12.44	34.97	43.50	8.53	Peak
4	234.991	44.75	-13.07	31.68	46.00	14.32	Peak
5	383.932	38.18	-9.03	29.15	46.00	16.85	Peak
6	460.727	37.71	-6.66	31.05	46.00	14.95	Peak

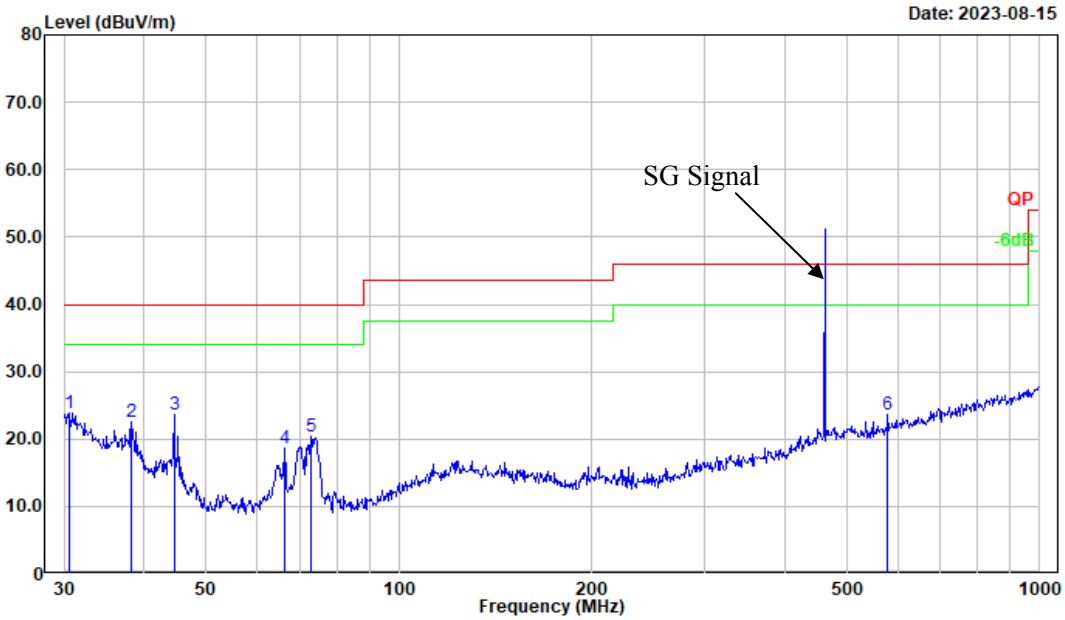
Receiving(GMRS frequency 462.6375MHz):

Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.071	29.60	-4.43	25.17	40.00	14.83	Peak
2	70.090	28.73	-16.47	12.26	40.00	27.74	Peak
3	128.113	27.49	-11.26	16.23	43.50	27.27	Peak
4	170.195	28.75	-12.96	15.79	43.50	27.71	Peak
5	314.377	28.28	-10.60	17.68	46.00	28.32	Peak
6	952.094	27.98	-0.12	27.86	46.00	18.14	Peak

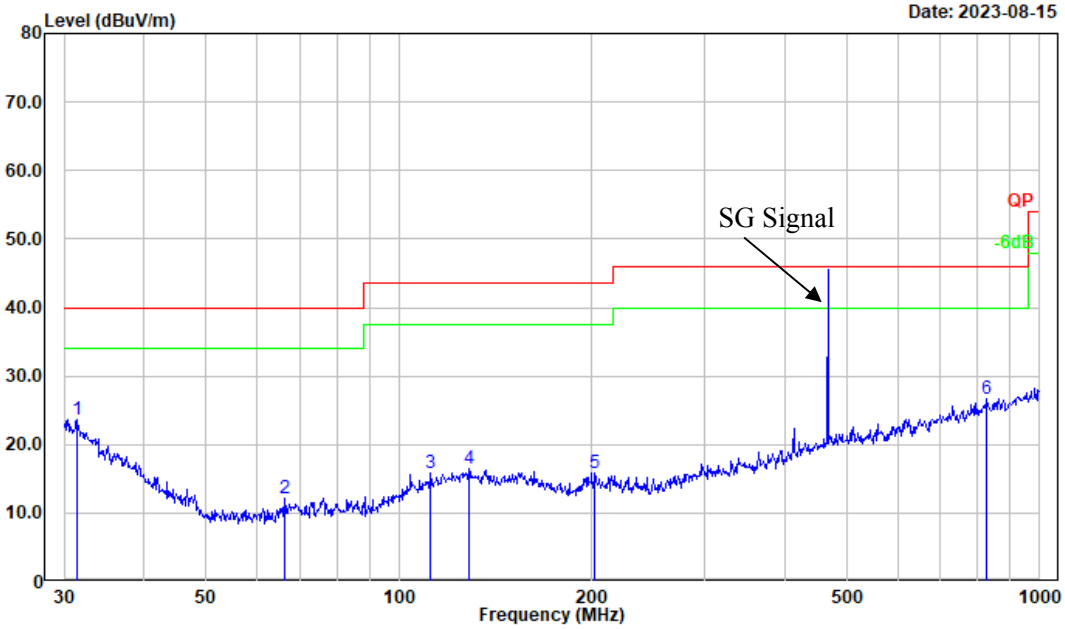
Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.638	28.02	-4.09	23.93	40.00	16.07	Peak
2	38.212	32.44	-9.91	22.53	40.00	17.47	Peak
3	44.587	37.73	-14.00	23.73	40.00	16.27	Peak
4	66.266	35.39	-16.84	18.55	40.00	21.45	Peak
5	72.847	37.11	-16.72	20.39	40.00	19.61	Peak
6	578.670	29.24	-5.56	23.68	46.00	22.32	Peak

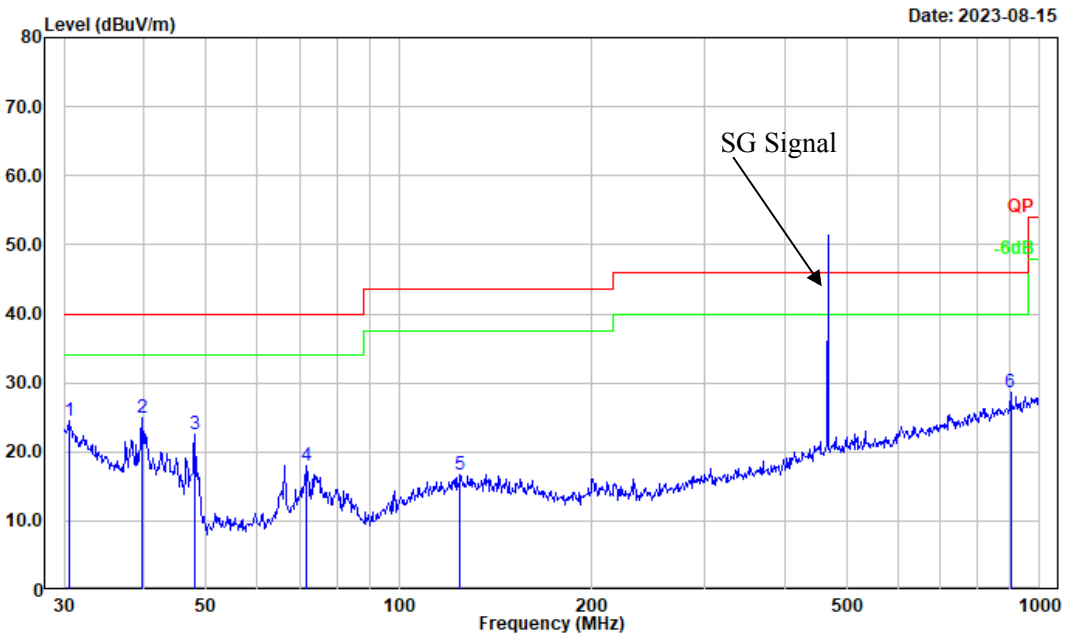
Receiving(GMRS frequency 467.6375MHz):

Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	31.399	28.35	-4.67	23.68	40.00	16.32	Peak
2	66.266	28.97	-16.84	12.13	40.00	27.87	Peak
3	112.131	28.08	-12.15	15.93	43.50	27.57	Peak
4	128.563	27.73	-11.28	16.45	43.50	27.05	Peak
5	202.100	28.14	-12.28	15.86	43.50	27.64	Peak
6	827.493	28.33	-1.62	26.71	46.00	19.29	Peak

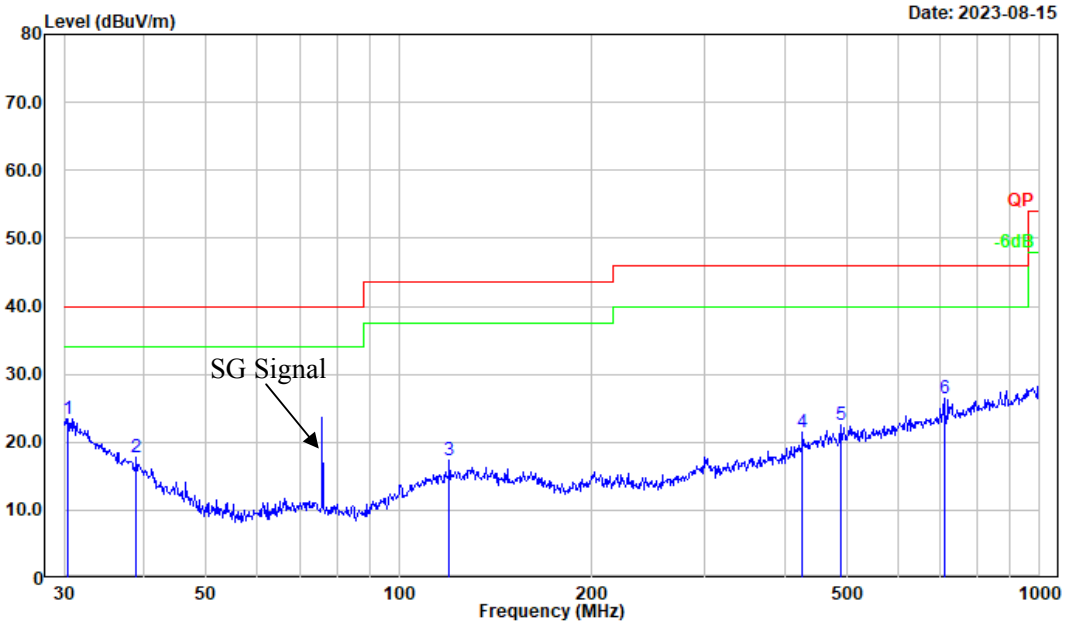
Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.531	28.57	-4.00	24.57	40.00	15.43	Peak
2	39.715	35.94	-11.09	24.85	40.00	15.15	Peak
3	47.994	38.63	-16.03	22.60	40.00	17.40	Peak
4	71.832	34.62	-16.66	17.96	40.00	22.04	Peak
5	124.569	28.06	-11.35	16.71	43.50	26.79	Peak
6	900.147	29.49	-0.96	28.53	46.00	17.47	Peak

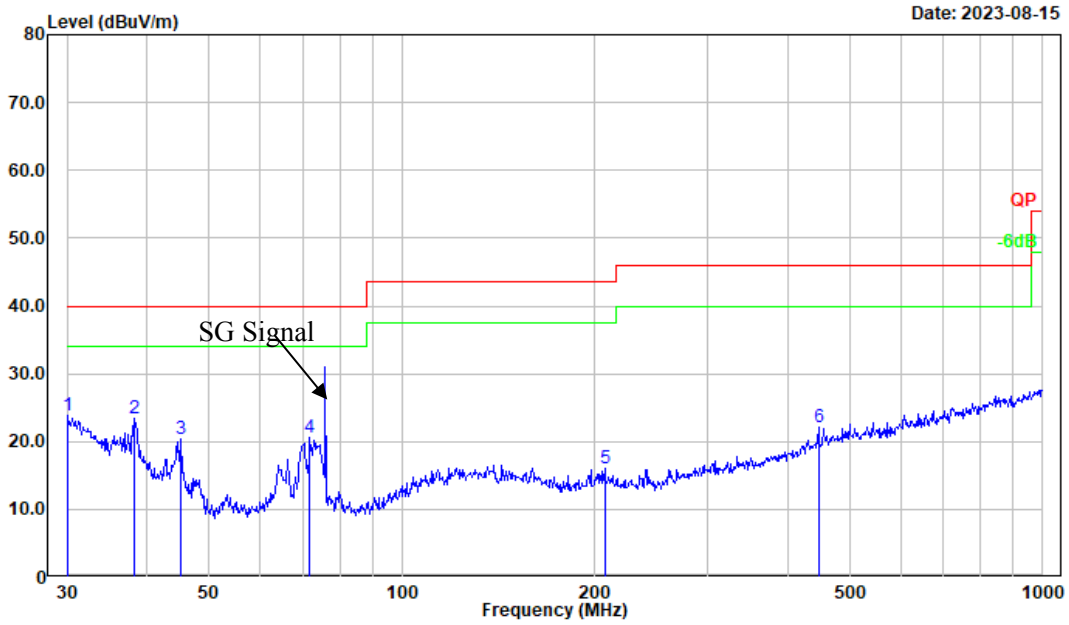
Receiving(FM Receiving 76.1MHz):

Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.424	27.42	-3.93	23.49	40.00	16.51	Peak
2	38.888	28.26	-10.43	17.83	40.00	22.17	Peak
3	119.856	28.72	-11.45	17.27	43.50	26.23	Peak
4	426.521	29.05	-7.65	21.40	46.00	24.60	Peak
5	489.027	28.70	-6.23	22.47	46.00	23.53	Peak
6	709.182	30.01	-3.49	26.52	46.00	19.48	Peak

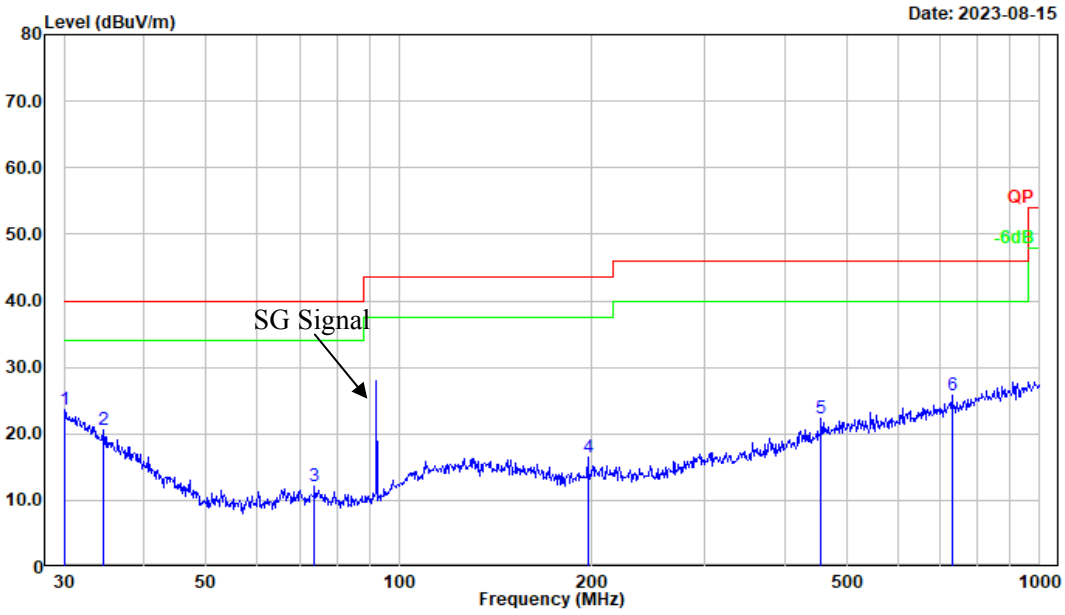
Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	27.39	-3.60	23.79	40.00	16.21	Peak
2	38.212	33.32	-9.91	23.41	40.00	16.59	Peak
3	45.058	34.69	-14.25	20.44	40.00	19.56	Peak
4	71.832	37.16	-16.66	20.50	40.00	19.50	Peak
5	207.123	28.43	-12.40	16.03	43.50	27.47	Peak
6	446.414	29.11	-7.08	22.03	46.00	23.97	Peak

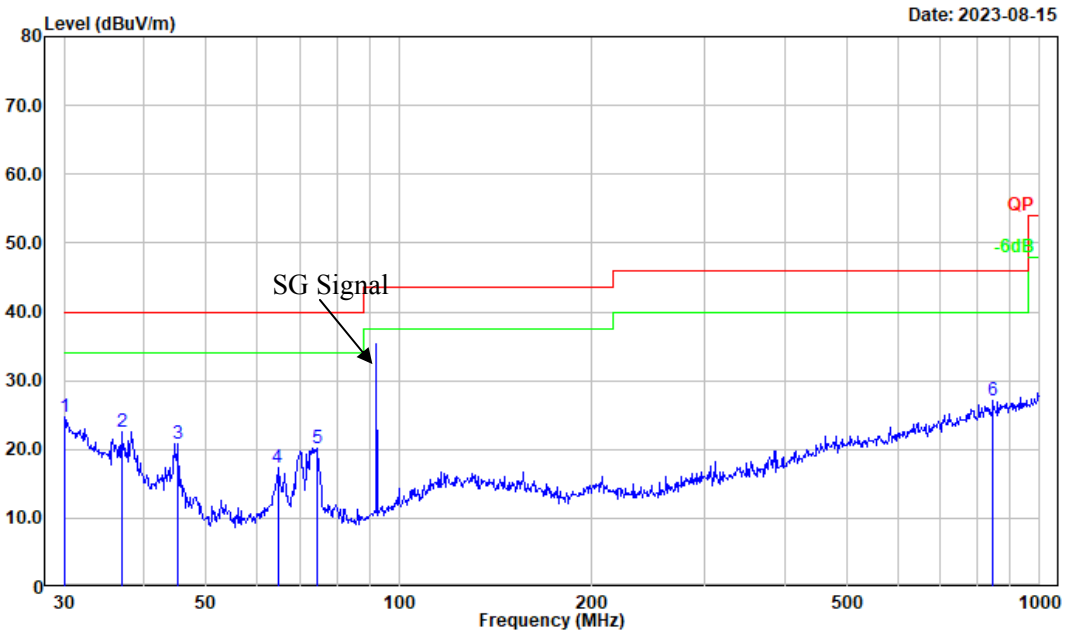
Receiving(FM Receiving 92MHz):

Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	27.21	-3.68	23.53	40.00	16.47	Peak
2	34.639	27.85	-7.19	20.66	40.00	19.34	Peak
3	73.876	28.98	-16.88	12.10	40.00	27.90	Peak
4	197.200	28.91	-12.52	16.39	43.50	27.11	Peak
5	455.906	29.11	-6.76	22.35	46.00	23.65	Peak
6	729.358	28.86	-2.99	25.87	46.00	20.13	Peak

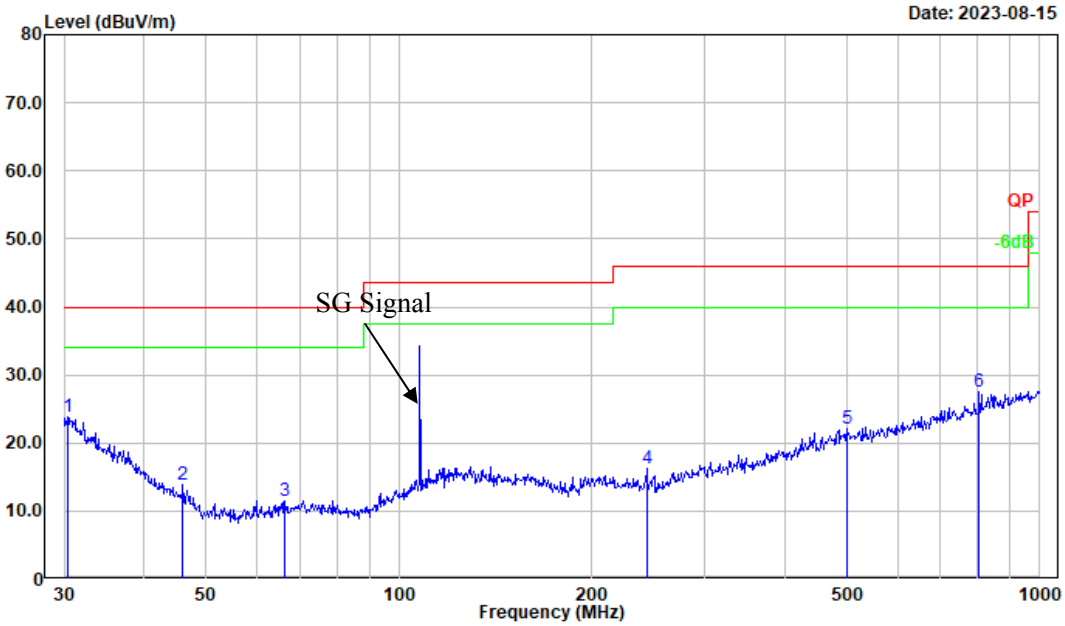
Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.000	28.22	-3.60	24.62	40.00	15.38	Peak
2	36.895	31.56	-8.93	22.63	40.00	17.37	Peak
3	45.217	35.20	-14.36	20.84	40.00	19.16	Peak
4	64.659	34.35	-16.96	17.39	40.00	22.61	Peak
5	74.396	37.04	-16.92	20.12	40.00	19.88	Peak
6	845.088	28.57	-1.57	27.00	46.00	19.00	Peak

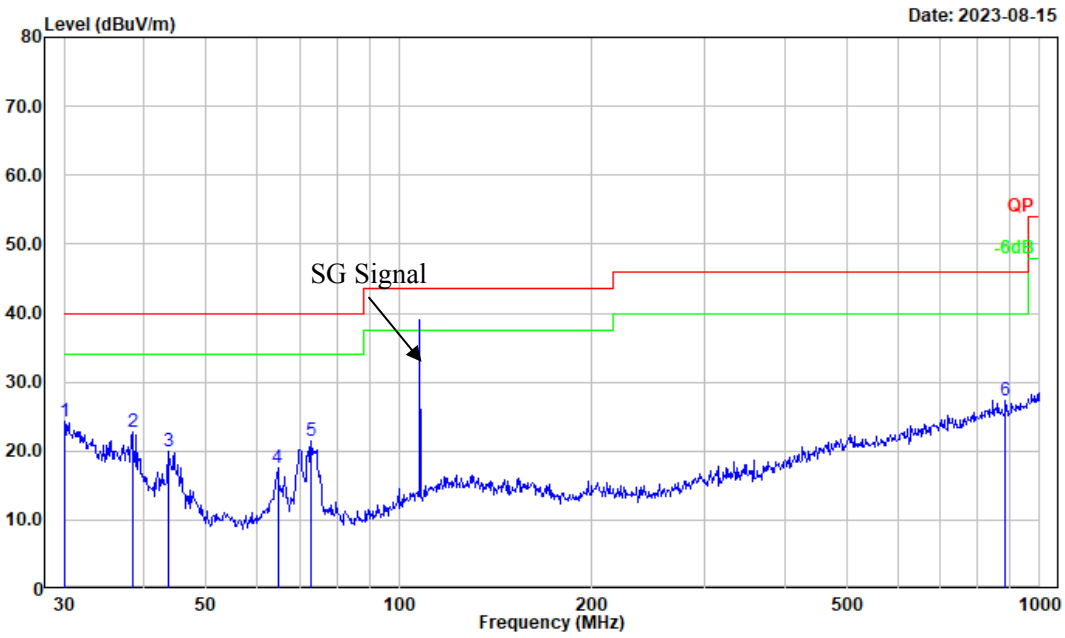
Receiving(FM Receiving 107.9MHz):

Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.424	27.73	-3.93	23.80	40.00	16.20	Peak
2	46.016	28.81	-14.85	13.96	40.00	26.04	Peak
3	66.266	28.37	-16.84	11.53	40.00	28.47	Peak
4	243.377	29.18	-12.99	16.19	46.00	29.81	Peak
5	499.425	28.16	-6.01	22.15	46.00	23.85	Peak
6	804.603	29.60	-2.13	27.47	46.00	18.53	Peak

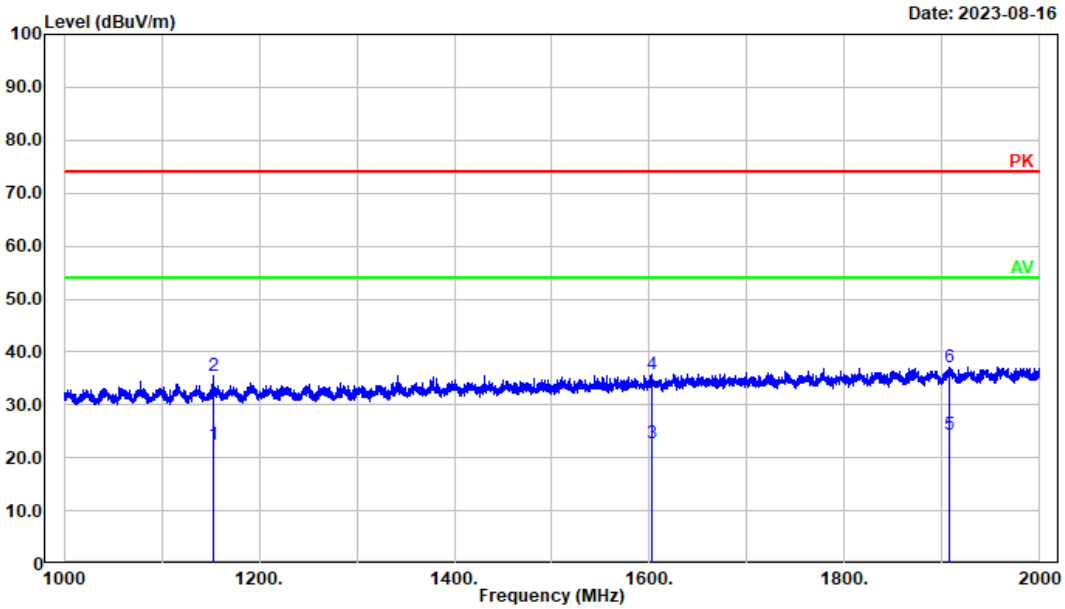
Project No.: CR230743394-RF
Tester: Carl Xue
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.105	27.99	-3.68	24.31	40.00	15.69	Peak
2	38.346	32.75	-10.00	22.75	40.00	17.25	Peak
3	43.659	33.46	-13.46	20.00	40.00	20.00	Peak
4	64.659	34.56	-16.96	17.60	40.00	22.40	Peak
5	72.847	38.08	-16.72	21.36	40.00	18.64	Peak
6	884.503	28.43	-1.17	27.26	46.00	18.74	Peak

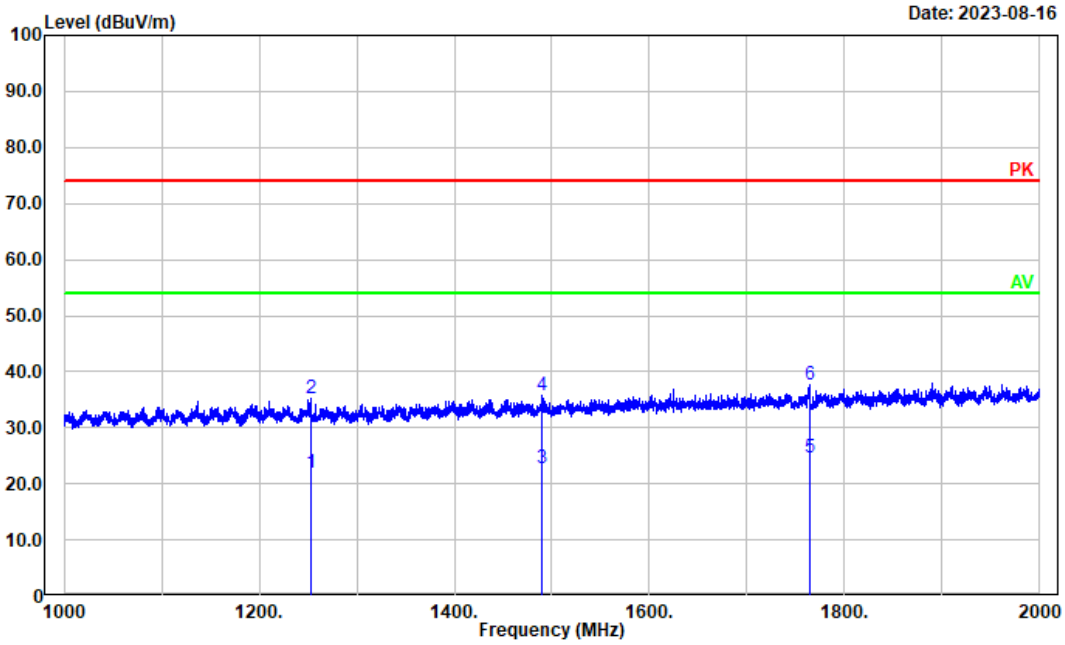
2) Above 1GHz:
Charging:

Project No.: CR230743394-RF
Tester: Tao Zhu
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1152.431	24.53	-1.91	22.62	54.00	31.38	Average
2	1152.431	37.40	-1.91	35.49	74.00	38.51	Peak
3	1601.720	22.58	0.24	22.82	54.00	31.18	Average
4	1601.720	35.54	0.24	35.78	74.00	38.22	Peak
5	1907.181	22.57	1.92	24.49	54.00	29.51	Average
6	1907.181	35.34	1.92	37.26	74.00	36.74	Peak

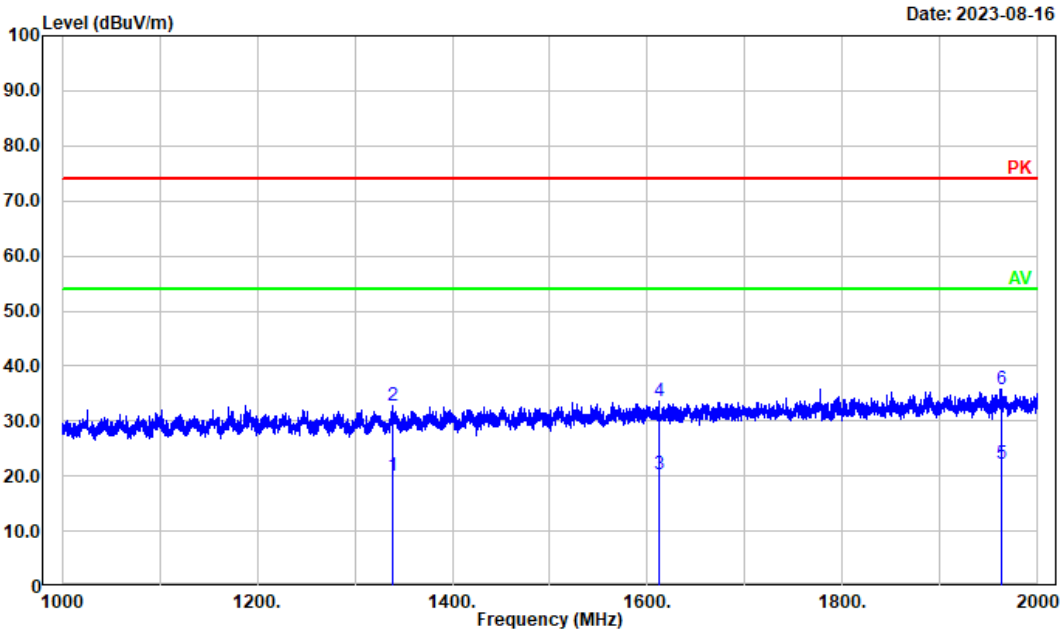
Project No.: CR230743394-RF
Tester: Tao Zhu
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1253.051	23.64	-1.70	21.94	54.00	32.06	Average
2	1253.051	36.96	-1.70	35.26	74.00	38.74	Peak
3	1489.498	23.23	-0.51	22.72	54.00	31.28	Average
4	1489.498	36.41	-0.51	35.90	74.00	38.10	Peak
5	1764.153	23.51	1.07	24.58	54.00	29.42	Average
6	1764.153	36.49	1.07	37.56	74.00	36.44	Peak

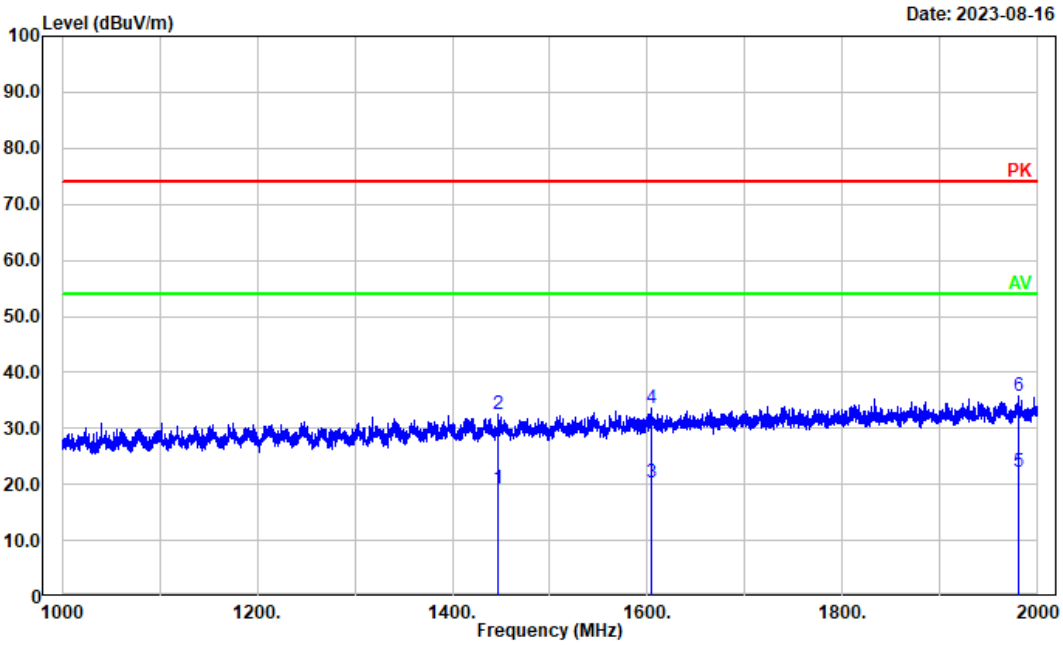
Receiving(GMRS frequency 462.6375MHz:

Project No.: CR230743394-RF
Tester: coco Tian
Polarization: Horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1338.468	21.35	-1.34	20.01	54.00	33.99	Average
2	1338.468	34.26	-1.34	32.92	74.00	41.08	Peak
3	1611.322	20.05	0.29	20.34	54.00	33.66	Average
4	1611.322	33.32	0.29	33.61	74.00	40.39	Peak
5	1962.192	20.21	2.14	22.35	54.00	31.65	Average
6	1962.192	33.64	2.14	35.78	74.00	38.22	Peak

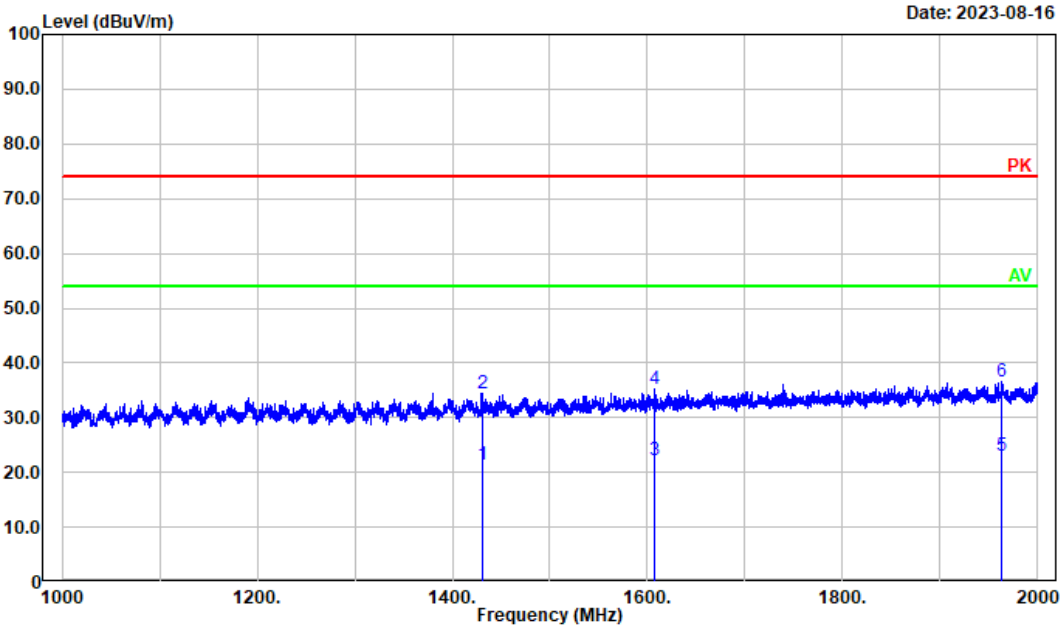
Project No.: CR230743394-RF
Tester: coco Tian
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1446.889	20.03	-0.69	19.34	54.00	34.66	Average
2	1446.889	33.10	-0.69	32.41	74.00	41.59	Peak
3	1603.721	20.09	0.25	20.34	54.00	33.66	Average
4	1603.721	33.29	0.25	33.54	74.00	40.46	Peak
5	1980.796	20.11	2.23	22.34	54.00	31.66	Average
6	1980.796	33.51	2.23	35.74	74.00	38.26	Peak

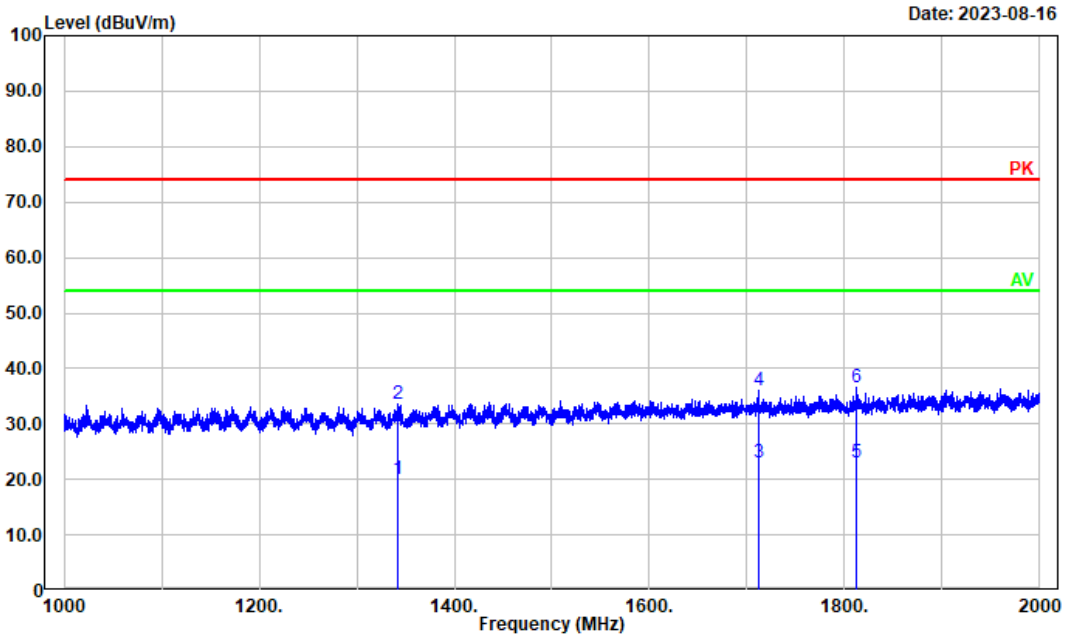
Receiving(GMRS frequency 467.6375MHz:

Project No.: CR230743394-RF
Tester: coco Tian
Polarization: Horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1431.486	22.18	-0.75	21.43	54.00	32.57	Average
2	1431.486	35.28	-0.75	34.53	74.00	39.47	Peak
3	1607.722	22.07	0.27	22.34	54.00	31.66	Average
4	1607.722	34.94	0.27	35.21	74.00	38.79	Peak
5	1963.393	21.00	2.15	23.15	54.00	30.85	Average
6	1963.393	34.42	2.15	36.57	74.00	37.43	Peak

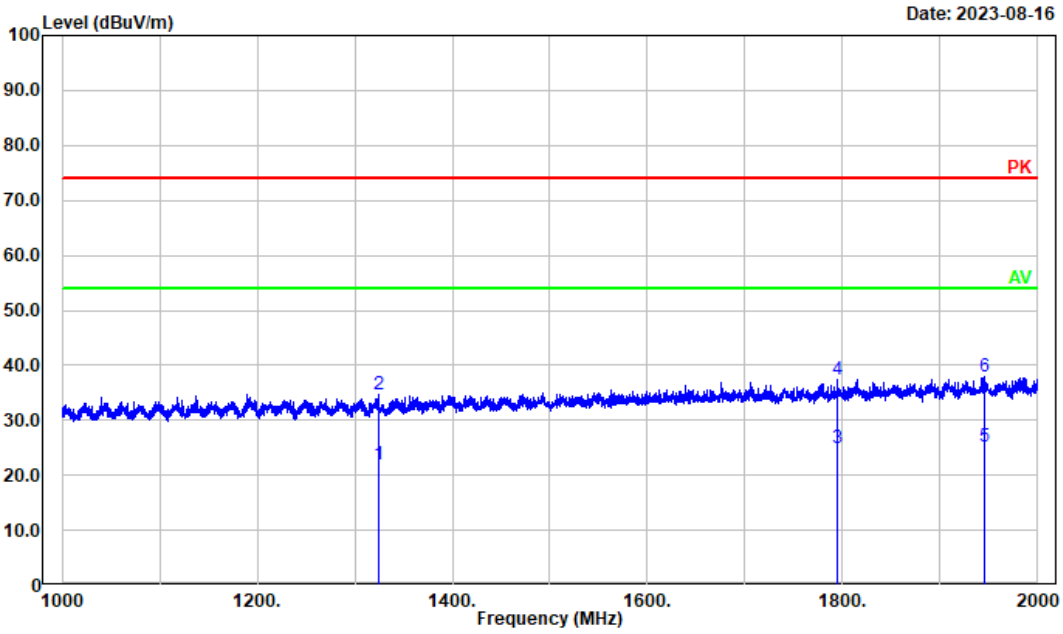
Project No.: CR230743394-RF
Tester: coco Tian
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1341.868	21.47	-1.30	20.17	54.00	33.83	Average
2	1341.868	34.92	-1.30	33.62	74.00	40.38	Peak
3	1711.342	22.35	0.79	23.14	54.00	30.86	Average
4	1711.342	35.33	0.79	36.12	74.00	37.88	Peak
5	1812.763	21.79	1.35	23.14	54.00	30.86	Average
6	1812.763	35.11	1.35	36.46	74.00	37.54	Peak

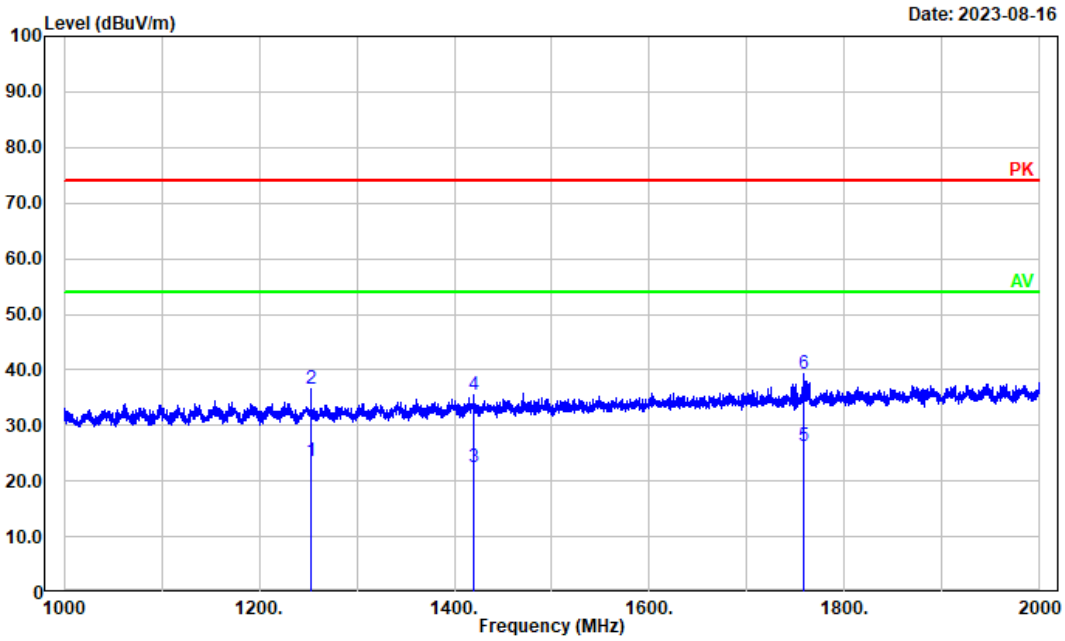
Receiving(FM Receiving 76.1MHz):

Project No.: CR230743394-RF
Tester: coco Tian
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1324.665	23.54	-1.48	22.06	54.00	31.94	Average
2	1324.665	36.19	-1.48	34.71	74.00	39.29	Peak
3	1794.959	23.56	1.26	24.82	54.00	29.18	Average
4	1794.959	36.23	1.26	37.49	74.00	36.51	Peak
5	1945.989	23.02	2.07	25.09	54.00	28.91	Average
6	1945.989	35.99	2.07	38.06	74.00	35.94	Peak

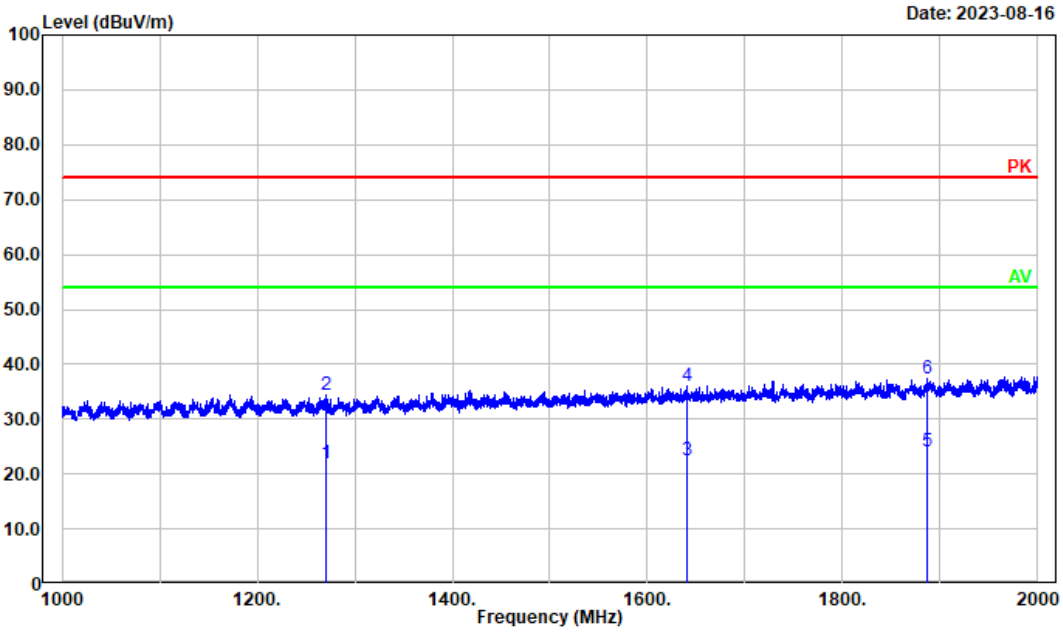
Project No.: CR230743394-RF
Tester: coco Tian
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1253.051	25.34	-1.70	23.64	54.00	30.36	Average
2	1253.051	38.31	-1.70	36.61	74.00	37.39	Peak
3	1419.884	23.30	-0.79	22.51	54.00	31.49	Average
4	1419.884	36.37	-0.79	35.58	74.00	38.42	Peak
5	1757.351	25.33	1.03	26.36	54.00	27.64	Average
6	1757.351	38.15	1.03	39.18	74.00	34.82	Peak

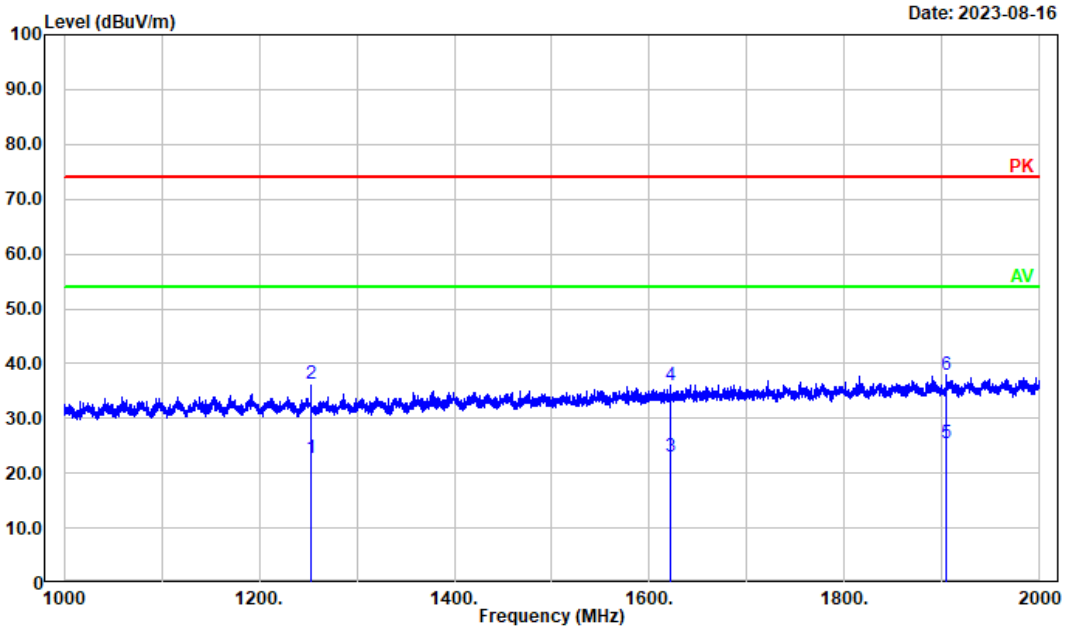
Receiving(FM Receiving 92MHz):

Project No.: CR230743394-RF
Tester: coco Tian
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1270.854	23.61	-1.71	21.90	54.00	32.10	Average
2	1270.854	36.26	-1.71	34.55	74.00	39.45	Peak
3	1640.928	22.15	0.42	22.57	54.00	31.43	Average
4	1640.928	35.64	0.42	36.06	74.00	37.94	Peak
5	1886.577	22.35	1.78	24.13	54.00	29.87	Average
6	1886.577	35.49	1.78	37.27	74.00	36.73	Peak

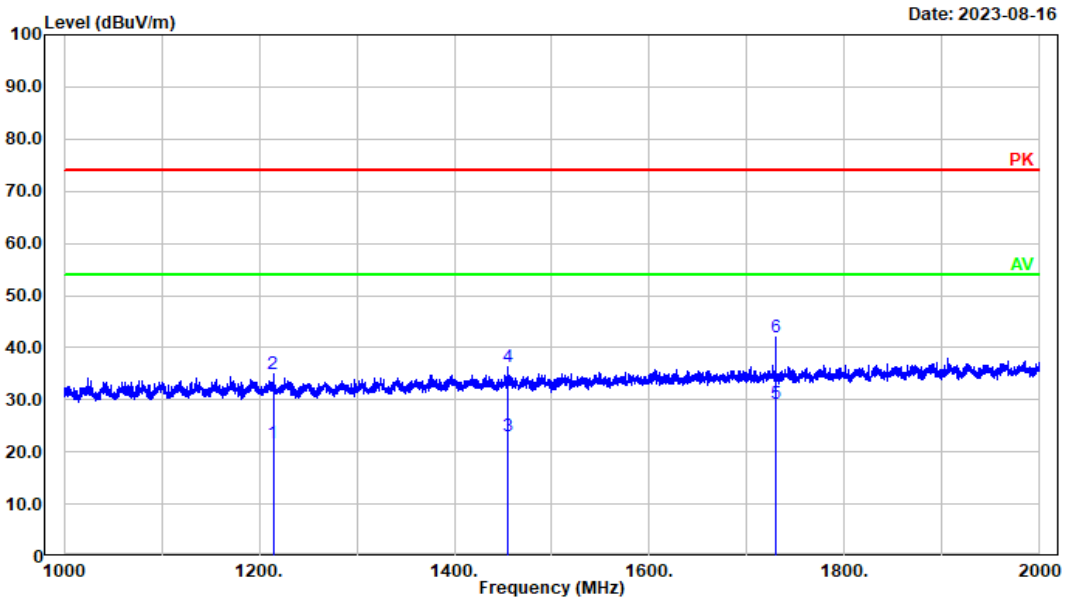
Project No.: CR230743394-RF
Tester: coco Tian
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1252.851	24.53	-1.70	22.83	54.00	31.17	Average
2	1252.851	37.88	-1.70	36.18	74.00	37.82	Peak
3	1620.924	22.58	0.32	22.90	54.00	31.10	Average
4	1620.924	35.83	0.32	36.15	74.00	37.85	Peak
5	1904.781	23.61	1.90	25.51	54.00	28.49	Average
6	1904.781	36.03	1.90	37.93	74.00	36.07	Peak

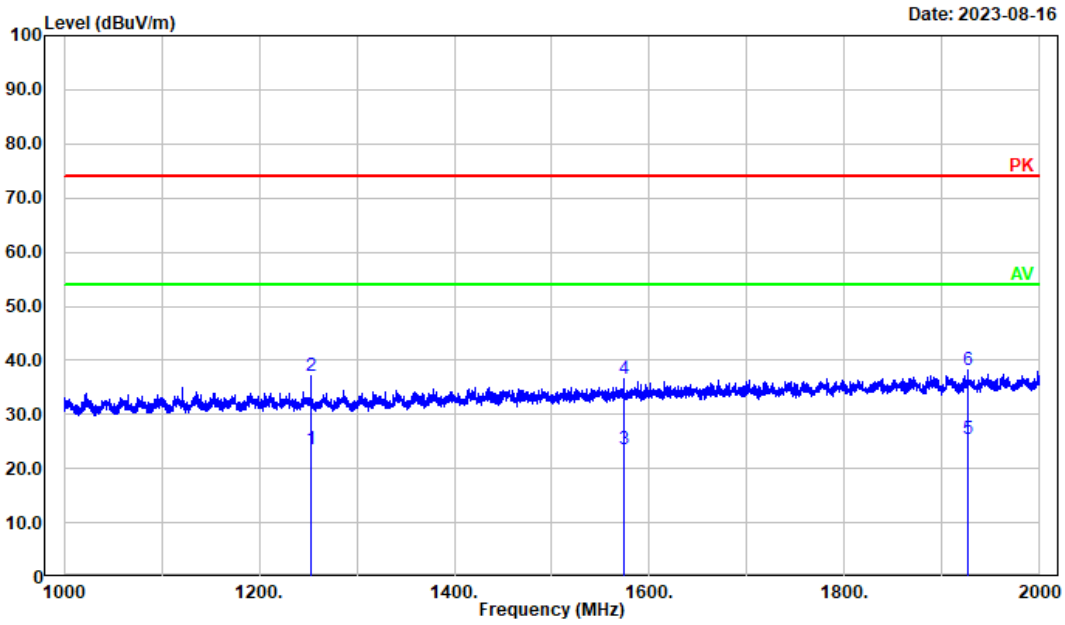
Receiving(FM Receiving 107.9MHz):

Project No.: CR230743394-RF
Tester: coco Tian
Polarization: horizontal
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1214.243	23.52	-1.71	21.81	54.00	32.19	Average
2	1214.243	36.75	-1.71	35.04	74.00	38.96	Peak
3	1454.491	23.63	-0.66	22.97	54.00	31.03	Average
4	1454.491	36.84	-0.66	36.18	74.00	37.82	Peak
5	1728.946	28.53	0.86	29.39	54.00	24.61	Average
6	1728.946	41.02	0.86	41.88	74.00	32.12	Peak

Project No.: CR230743394-RF
Tester: coco Tian
Polarization: vertical
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1253.251	25.34	-1.70	23.64	54.00	30.36	Average
2	1253.251	38.70	-1.70	37.00	74.00	37.00	Peak
3	1574.315	23.62	0.03	23.65	54.00	30.35	Average
4	1574.315	36.44	0.03	36.47	74.00	37.53	Peak
5	1925.785	23.61	1.99	25.60	54.00	28.40	Average
6	1925.785	36.20	1.99	38.19	74.00	35.81	Peak

4.3 Antenna Power Conduction Limits for Receivers

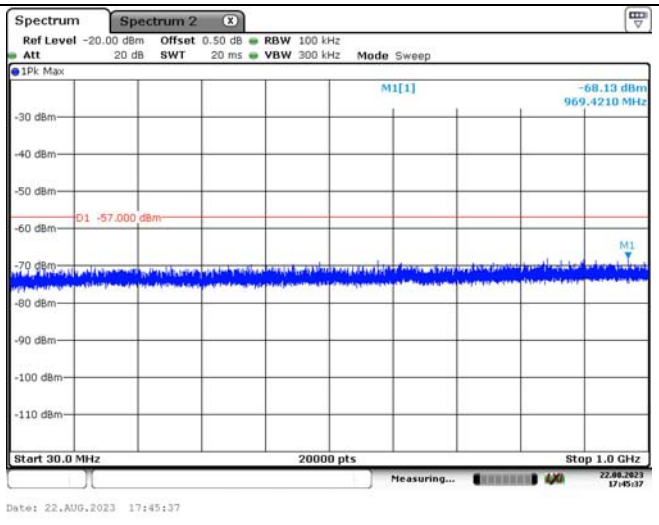
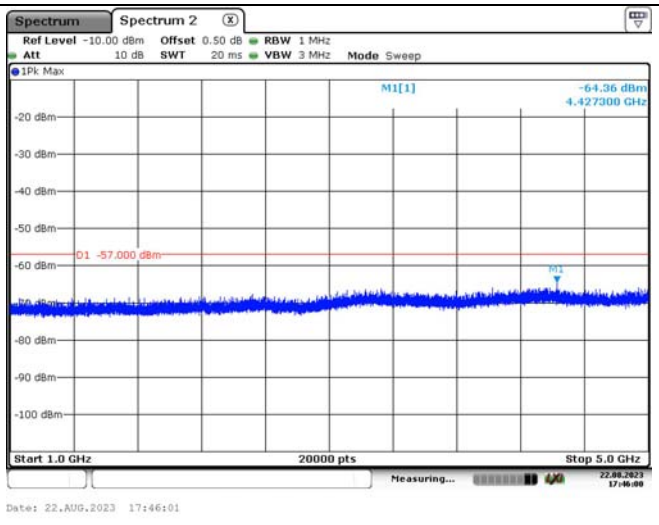
Serial Number:	28XI-2	Test Date:	2023/08/22
Test Site:	RF	Test Mode:	Receiving
Tester:	Morpheus Shi	Test Result:	Pass

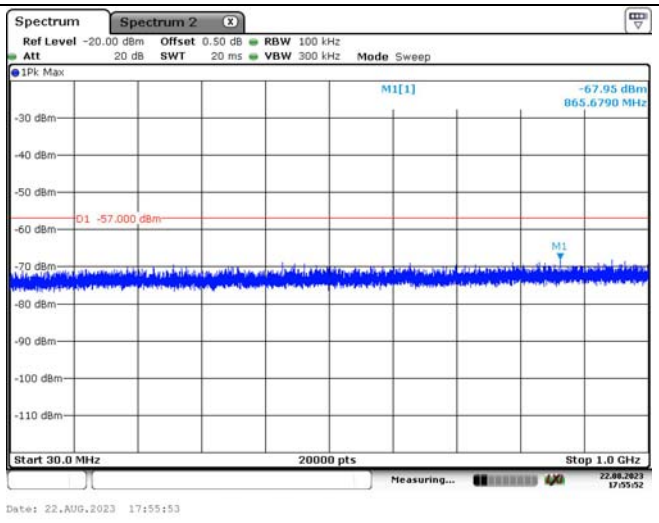
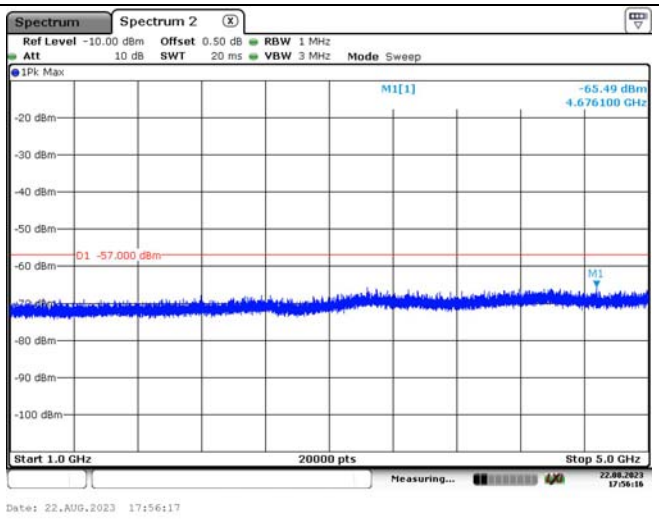
Environmental Conditions:					
Temperature: (℃)	25.8	Relative Humidity: (%)	55	ATM Pressure: (kPa)	100

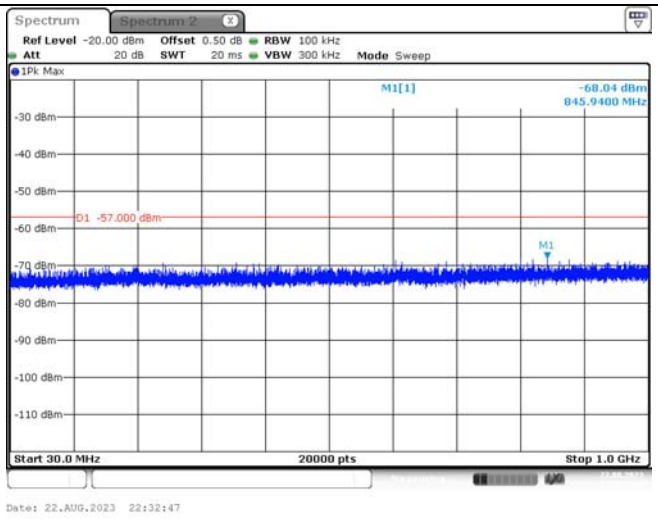
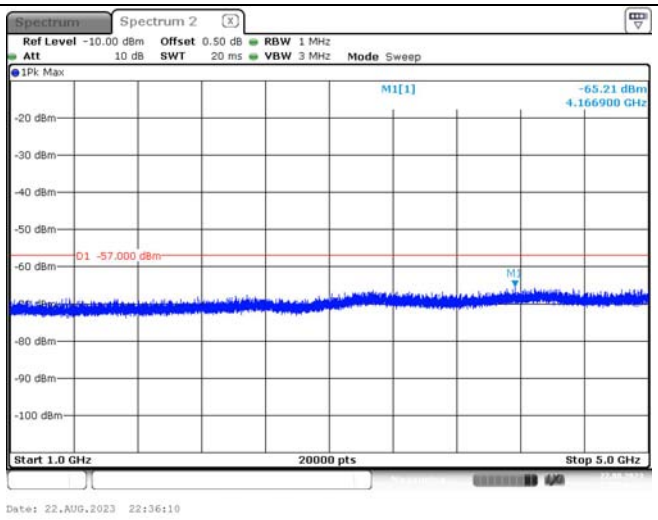
Test Equipment List and Details:

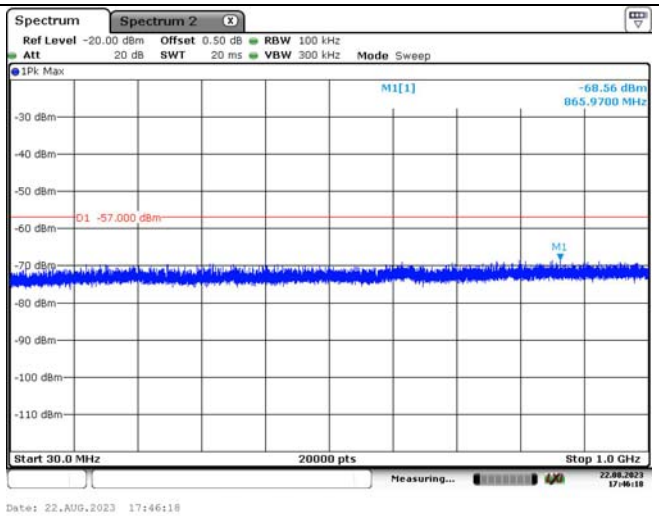
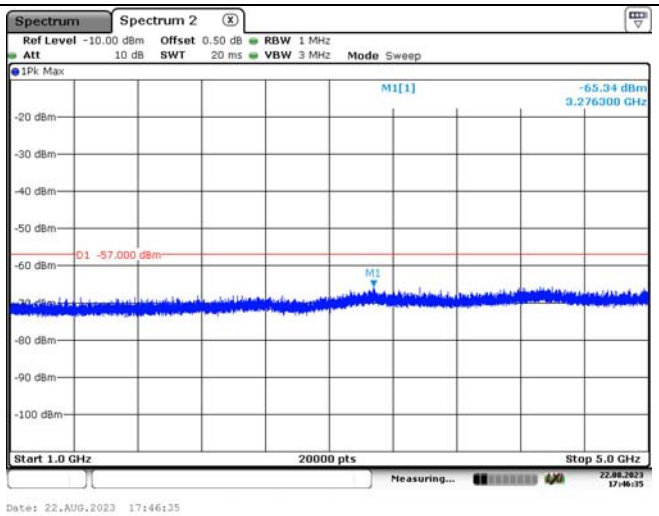
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2023/03/31	2024/03/30
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A

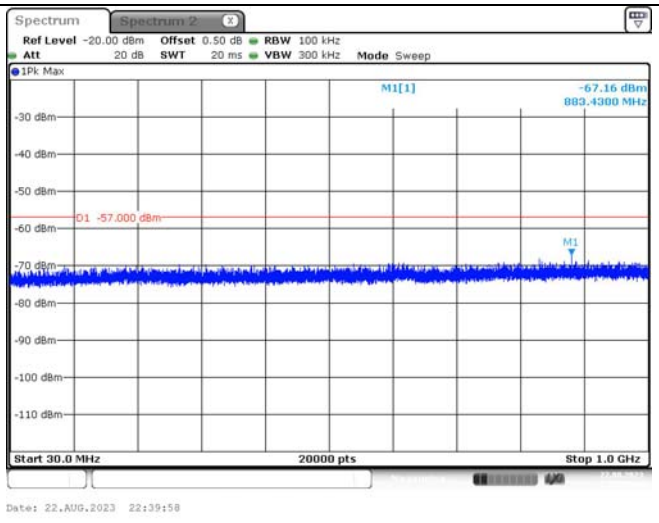
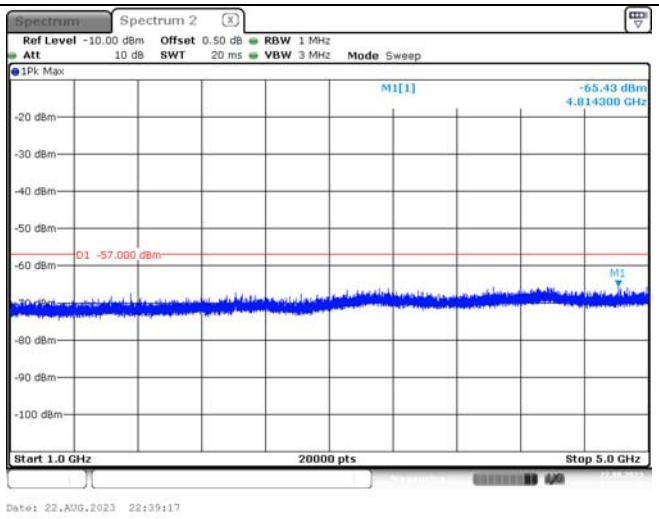
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

GMRS Receiving (462.6375 MHz)	
30MHz -1GHz	
1GHz -5GHz	

GMRS Receiving (467.6375 MHz)	
30MHz -1GHz	
1GHz -5GHz	

FM Receiving (76.1 MHz)	
30MHz -1GHz	
1GHz -5GHz	

FM Receiving (92 MHz)	
30MHz -1GHz	
1GHz -5GHz	

FM Receiving (107.9 MHz)	
30MHz -1GHz	
1GHz -5GHz	

5. EUT PHOTOGRAPHS

Please refer to the attachment CR230743394-EXP EUT EXTERNAL PHOTOGRAPHS and CR230743394-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230743394-00B-TSP TEST SETUP PHOTOGRAPHS.

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