

TESTREPORT

Applicant Name : Shenzhen Ysair Technology Co., LTD
 Address : 6/F, building 6, Yunli intelligent park, No. 3, Changfa, Middle Road, Yangmei community, Bantian street, Longgang District, Shenzhen, Guangdong China
 Report Number: RA230425-22213E-RF-00B
 FCC ID: 2A300HA1G

Test Standard (s)

FCC Part 15, Subpart B (Class B)

Sample Description

Product Type: Two Way Radio
 Model No.: HA1G
 Multiple Model: N/A
 Trade Mark: Ailunce
 Date Received: 2023/04/25
 Report Date: 2023/06/21

Test Result:	Pass*
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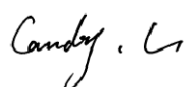
* In the configuration tested, the EUT complied with the standards above.

Prepared and Checked By:



Nick Fang
 EMC Engineer

Approved By:



Candy Li
 EMC Engineer

Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "★".

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	RA230425-22213E-RF-00B	Original Report	2023/06/21

Test Report Declaration

Applicant .: Shenzhen Ysair Technology Co., LTD
Manufacturer : Shenzhen Retevis Technology Co., Ltd.
Product : Two Way Radio
Model No. : HA1G
Trade Mark : Ailunce

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B Class B ANSI C63.4: 2014

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

1. TEST RESULTS SUMMARY

Test Items	Test Standard	Test Results
Power Line Conducted Emission (0.15-30MHz)	FCC Part 15 Subpart B	Pass
Radiated Emission (30-1000MHz)	FCC Part 15 Subpart B	Pass
Radiated Emission (Above 1GHz)	FCC Part 15 Subpart B	Pass
Antenna Conducted Power for Receivers	FCC Part 15.111	Pass
Scanning receivers and frequency converters used with scanning receivers	FCC Part 15.121(b)	Pass

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Product : Two Way Radio
Model No. : HA1G
Rating : Radio: DC 7.4V from battery or DC 5.0V from type C port/charger
Charger: DC 5.0V from type C port
Trade Mark : Ailunce
Remark(s) : The highest operation frequency is 480MHz.
Applicant : Shenzhen Ysair Technology Co., LTD
Address : 6/F, building 6, Yunli intelligent park, No. 3, Changfa, Middle Road,
Yangmei community, Bantian street, Longgang District, Shenzhen,
Guangdong China
Manufacturer : Shenzhen Retevis Technology Co., Ltd.
Address : 7/F, 13-C, Zhonghaixin Science&Technology Park, No.12 Ganli 6th
Road, Jihua Street, Longgang District, Shenzhen, China
Date of sample received : Apr. 25,2023
Date of Test : May. 27,2023~Jun. 21,2023
Sample Number : 2547-5

2.2. Test Mode

Test Mode1: Charging by charger

Test Mode2: Charging by type C

Test Mode3: Scan receiver(scanning mode, 136-174MHz/400-480MHz)

Test Mode4: receiver mode 136.0125MHz

Test Mode5: receiver mode 155.0125MHz

Test Mode6: receiver mode 173.9875MHz

Test Mode7: receiver mode 400.0125MHz

Test Mode8: receiver mode 440.0125MHz

Test Mode9: receiver mode 479.9875MHz

Accessory and Auxiliary Equipment

Adapter : Model:HJ-FC017K7-US
Serial Number:01180921D000111

2.3. Description of Test Facility

EMC Lab : Accredited by American Association for Laboratory Accreditation (A2LA)
The Certificate Number is 4297.01

Listed by Innovation, Science and Economic Development Canada (ISED)
The Registration Number is 5077A

Accredited by China National Accreditation Service for Conformity Assessment (CNAS)
The Registration Number is 30241

Name of Firm : Shenzhen Accurate Technology Co., Ltd.

Site Location : Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

2.4. Measurement Uncertainty

Radiated emission expanded uncertainty (30MHz-1000MHz) : $U=5.08dB, k=2$

Radiated emission expanded uncertainty (1GHz -18GHz) : $U=4.96dB, k=2$

Radiated emission expanded uncertainty (18GHz - 26.5GHz) : $U=5.16dB, k=2$

Radiated emission expanded uncertainty (26.5GHz - 40GHz) : $U=4.64dB, k=2$

Conduction Emission Expanded Uncertainty (9kHz-30MHz) : $U=2.74dB, k=2$

Conduction Emission Expanded Uncertainty (0.15kHz-30MHz) : $U=2.92dB, k=2$

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1.For Conducted Emission Test

Item	Manufacturer	Equipment	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Rohde& Schwarz	EMI Test Receiver	ESCI	100784	2022/11/25	2023/11/24
2	Rohde & Schwarz	L.I.S.N.	ENV216	101314	2022/11/25	2023/11/24
3	Anritsu Corp	50 Coaxial Switch	MP59B	6100237248	2022/12/07	2023/12/06
4	Unknown	RF Coaxial Cable	No.17	N0350	2022/11/25	2023/11/24
5	Conducted Emission Test Software: e3 19821b (V9)					

3.2.For Radiated Emission Measurement

Item	Manufacturer	Equipment	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Rohde& Schwarz	Test Receiver	ESR	102725	2022/11/25	2023/11/24
2	Rohde&Schwarz	Spectrum Analyzer	FSV40	101949	2022/11/25	2023/11/24
3	SONOMA INSTRUMENT	Amplifier	310 N	186131	2022/11/08	2023/11/07
4	A.H. Systems, inc.	Preamplifier	PAM-0118P	135	2022/11/08	2023/11/07
5	Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
6	Schwarzbeck	Horn Antenna	BBHA9120D	837	2023/02/22	2026/02/21
7	Unknown	RF Coaxial Cable	No.10	N050	2022/11/25	2023/11/24
8	Unknown	RF Coaxial Cable	No.11	N1000	2022/11/25	2023/11/24
9	Unknown	RF Coaxial Cable	No.12	N040	2022/11/25	2023/11/24
10	Unknown	RF Coaxial Cable	No.13	N300	2022/11/25	2023/11/24
11	Unknown	RF Coaxial Cable	No.14	N800	2022/11/25	2023/11/24
12	HP Agilent	RF Communication test set	8920B	3325U00859	2022/09/02	2023/09/01
13	Radiated Emission Test Software: e3 19821b (V9)					

3.3.For RF Conducted Measurement

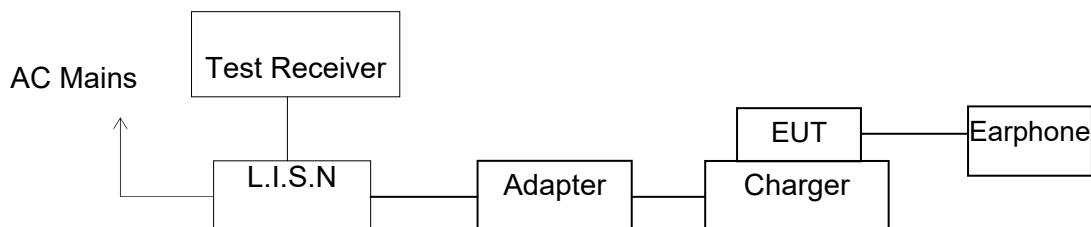
Item	Manufacturer	Equipment	Model No.	Serial No.	Last Cal.	Cal. Interval
1	AGILENT	Vector Signal Generator	N5182B	MY53052129	2022/11/25	2023/11/24
2	HP Agilent	RF Communication test set	8920B	3325U00859	2022/09/02	2023/09/01
3	Aeroflex/Weinschel	30dB Attenuator (Input 250W/Output 50W)	58-30-33	PS467	2022/11/25	2023/11/24
4	Rohde&Schwarz	Spectrum Analyzer	FSU26	200982	2022/07/04	2023/07/03

4. POWER LINE CONDUCTED MEASUREMENT

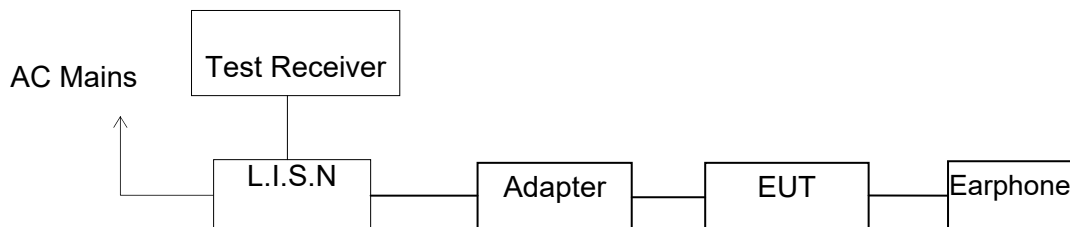
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators

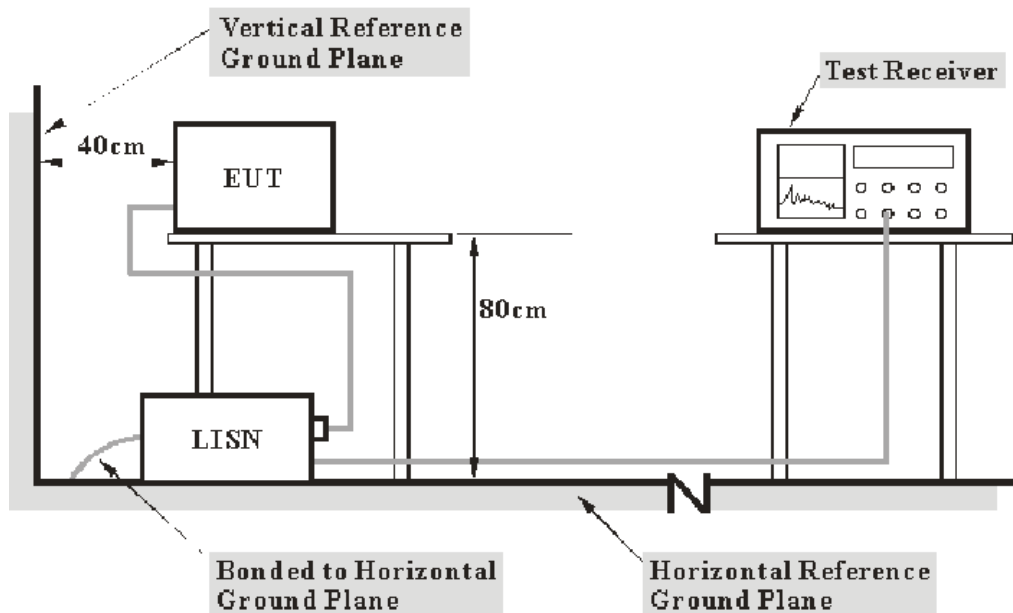
Test Mode 1:



Test Mode 2:



4.1.2. Test System 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.

4.2.Power Line Conducted Emission Measurement Limits (Class B)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

NOTE1: The lower limit shall apply at the transition frequencies.
 NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

4.3.Test mode description

- Test Mode1: Charging by charger
- Test Mode2: Charging by type C

4.4.Manufacturer

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

4.4.1. Two Way Radio

Model Number : HA1G

4.5.Operating Condition of EUT

- 4.5.1.Setup the EUT and simulator as shown as Section 4.1.
- 4.5.2.Turn on the power of all equipment.
- 4.5.3.Let the EUT work in test mode and measure it.

4.6.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver is set at 9kHz.
 The frequency range from 150kHz to 30MHz is checked.

4.7.Data Explain

$$\text{Over Limit} = \text{Level (dB}\mu\text{V)} - \text{Limit(dB}\mu\text{V)}$$

4.8.Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.Emissions attenuated more than 20 dB below the permissible value are not reported.

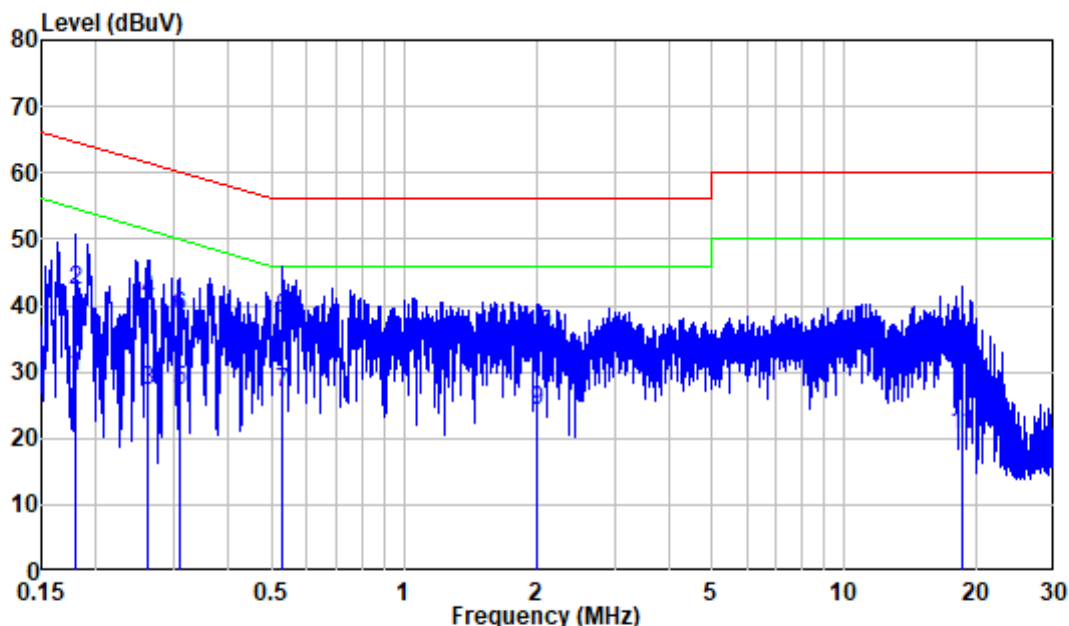
All data was recorded in the Quasi-peak and average detection mode.

The spectral diagrams are attached as below.

Job No.:	RA230425-22213E-RF	Power:	AC 120V 60Hz
Eut No.:	2547-5	Test By:	Jerry Wu
Eut:	Two Way Radio	Test item:	Conduction Test
Model:	HA1G	Date:	2023.5.8
Climatic:	23° C 49%RH 101KPA		
Test standard:	FCC Part 15B		

Test mode 1:

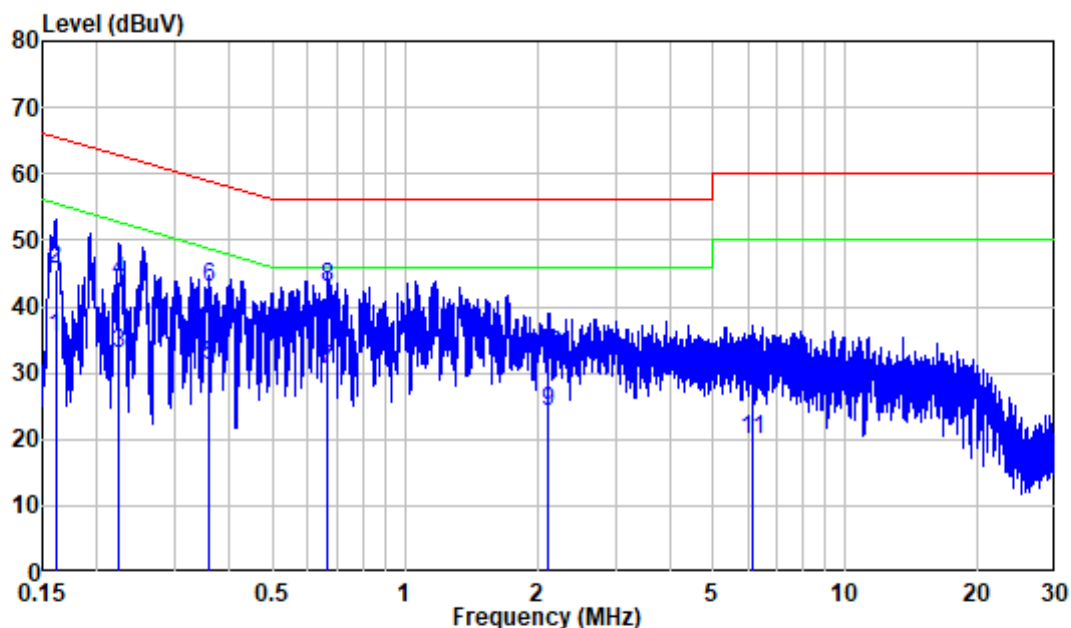
AC 120V/60Hz, Line:



Site : Shielding Room
 Condition: Line
 Job No. : RA230425-22213E-RF
 Mode : Base Charging
 Power : AC 120V 60Hz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.179	10.40	19.01	29.41	54.51	-25.10	Average
2	0.179	10.40	31.75	42.15	64.51	-22.36	QP
3	0.261	10.40	16.85	27.25	51.41	-24.16	Average
4	0.261	10.40	30.31	40.71	61.41	-20.70	QP
5	0.309	10.40	16.89	27.29	49.99	-22.70	Average
6	0.309	10.40	28.00	38.40	59.99	-21.59	QP
7	0.530	10.44	16.31	26.75	46.00	-19.25	Average
8	0.530	10.44	27.58	38.02	56.00	-17.98	QP
9	2.000	10.42	13.64	24.06	46.00	-21.94	Average
10	2.000	10.42	25.06	35.48	56.00	-20.52	QP
11	18.475	10.12	10.28	20.40	50.00	-29.60	Average
12	18.475	10.12	23.45	33.57	60.00	-26.43	QP

AC 120V/60Hz, Neutral:

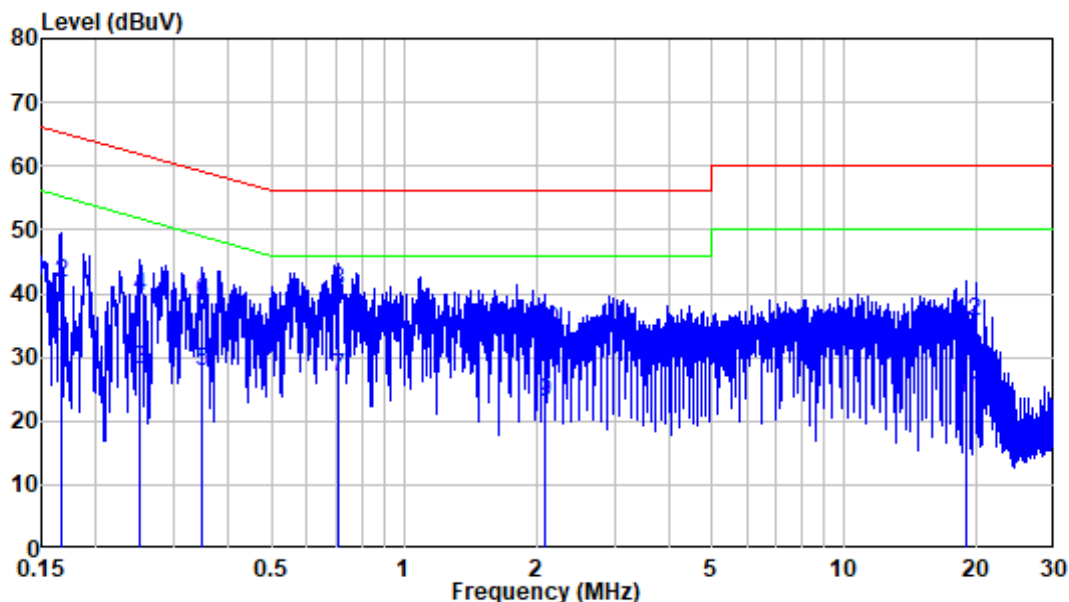


Site : Shielding Room
 Condition: Neutral
 Job No. : RA230425-22213E-RF
 Mode : Base Charging
 Power : AC 120V 60Hz

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.161	10.42	24.89	35.31	55.43	-20.12	Average
2	0.161	10.42	35.22	45.64	65.43	-19.79	QP
3	0.224	10.49	22.44	32.93	52.66	-19.73	Average
4	0.224	10.49	33.32	43.81	62.66	-18.85	QP
5	0.359	10.44	20.65	31.09	48.75	-17.66	Average
6	0.359	10.44	32.32	42.76	58.75	-15.99	QP
7	0.666	10.50	20.10	30.60	46.00	-15.40	Average
8	0.666	10.50	32.32	42.82	56.00	-13.18	QP
9	2.120	10.60	13.46	24.06	46.00	-21.94	Average
10	2.120	10.60	21.98	32.58	56.00	-23.42	QP
11	6.133	10.46	9.50	19.96	50.00	-30.04	Average
12	6.133	10.46	19.25	29.71	60.00	-30.29	QP

Test mode 2:

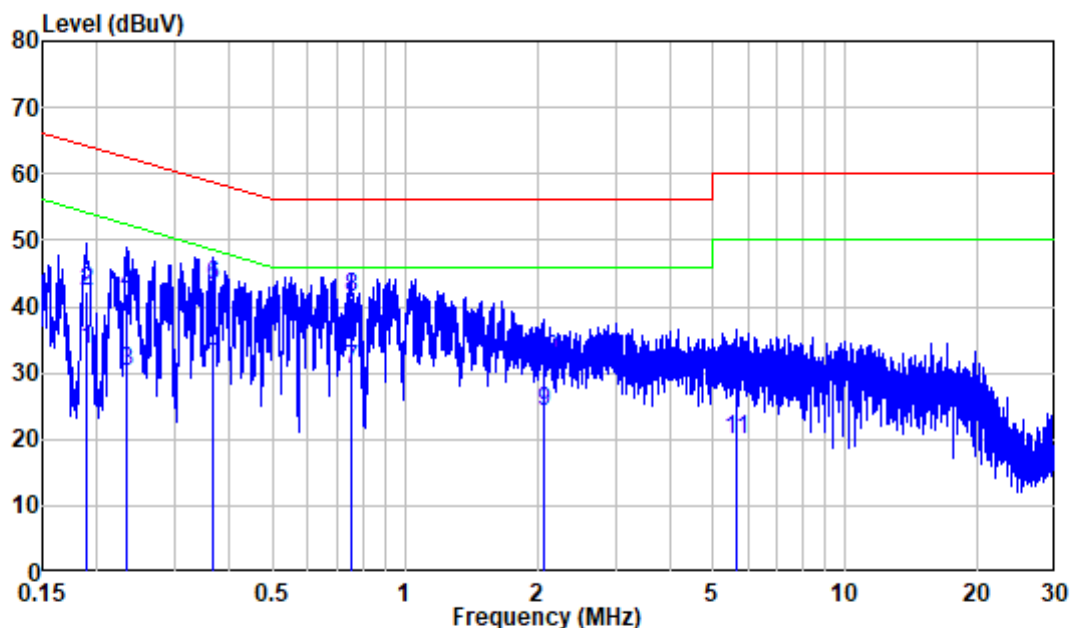
AC 120V/60Hz, Line:



Site : Shielding Room
 Condition: Line
 Job No. : RA230425-22213E-RF
 Mode : Battery Charging
 Power : AC 120V 60Hz

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.166	10.40	20.96	31.36	55.16	-23.80	Average
2	0.166	10.40	31.28	41.68	65.16	-23.48	QP
3	0.252	10.40	17.59	27.99	51.70	-23.71	Average
4	0.252	10.40	29.21	39.61	61.70	-22.09	QP
5	0.347	10.40	17.40	27.80	49.03	-21.23	Average
6	0.347	10.40	28.37	38.77	59.03	-20.26	QP
7	0.708	10.60	16.35	26.95	46.00	-19.05	Average
8	0.708	10.60	29.79	40.39	56.00	-15.61	QP
9	2.086	10.43	12.63	23.06	46.00	-22.94	Average
10	2.086	10.43	23.79	34.22	56.00	-21.78	QP
11	18.958	10.15	13.45	23.60	50.00	-26.40	Average
12	18.958	10.15	25.38	35.53	60.00	-24.47	QP

AC 120V/60Hz, Neutral:



Site : Shielding Room
 Condition: Neutral
 Job No. : RA230425-22213E-RF
 Mode : Battery Charging
 Power : AC 120V 60Hz

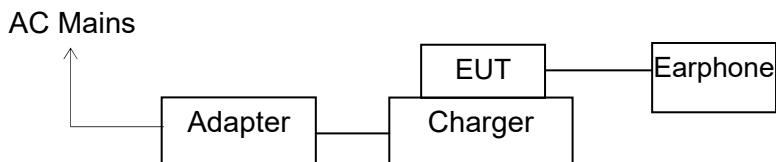
	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dBuV	dBuV	dBuV	dB	
1	0.189	10.48	22.90	33.38	54.10	-20.72	Average
2	0.189	10.48	31.78	42.26	64.10	-21.84	QP
3	0.234	10.48	19.67	30.15	52.30	-22.15	Average
4	0.234	10.48	31.51	41.99	62.30	-20.31	QP
5	0.367	10.43	22.85	33.28	48.56	-15.28	Average
6	0.367	10.43	32.69	43.12	58.56	-15.44	QP
7	0.757	10.49	19.92	30.41	46.00	-15.59	Average
8	0.757	10.49	31.01	41.50	56.00	-14.50	QP
9	2.075	10.61	13.49	24.10	46.00	-21.90	Average
10	2.075	10.61	21.34	31.95	56.00	-24.05	QP
11	5.653	10.46	9.49	19.95	50.00	-30.05	Average
12	5.653	10.46	18.80	29.26	60.00	-30.74	QP

5. RADIATED EMISSION MEASUREMENT

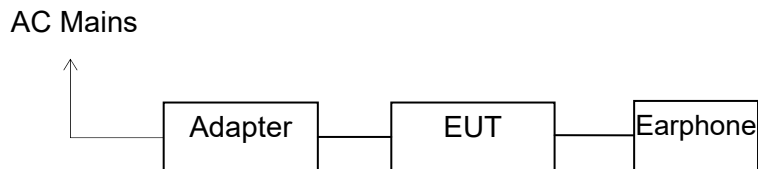
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators

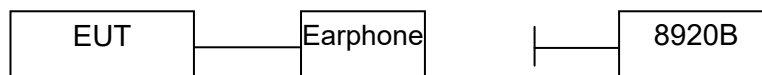
Test Mode 1:



Test Mode 2:

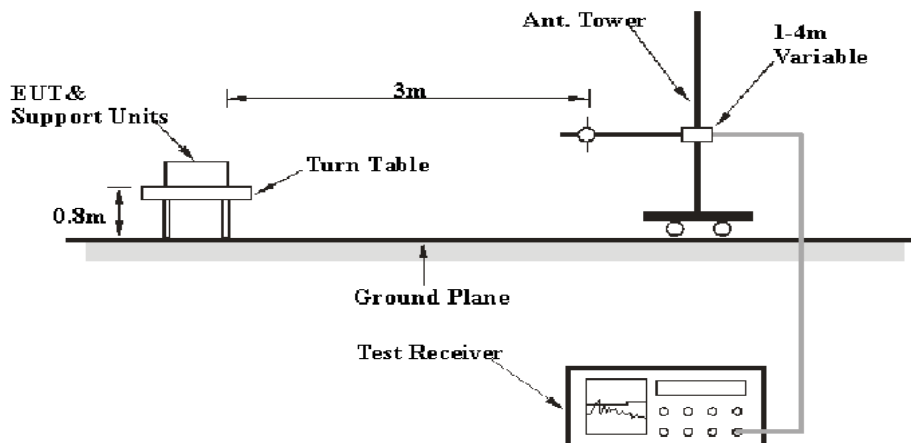


Test Mode 3-9:

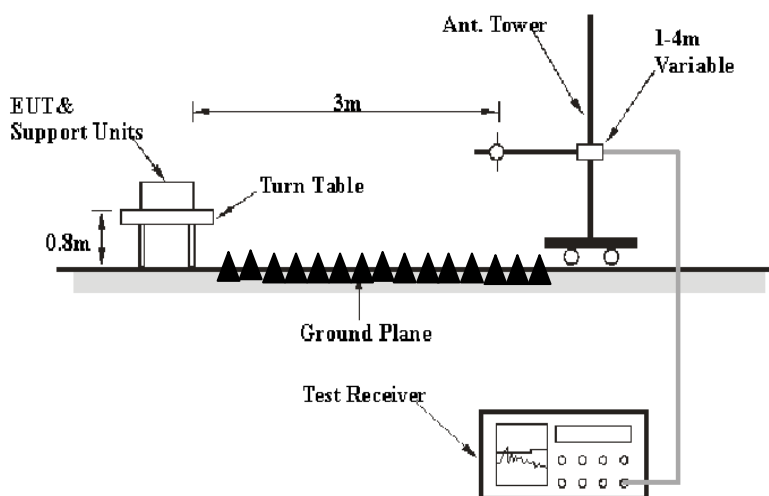


5.1.2. Test System Setup

Below 1GHz:



Above 1GHz:



5.2.Radiated Emission Limit (Class B)

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency MHz	Distance Meters	Field Strengths QP Limit	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V/m})$
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

Remark:

- (1) Emission level $\text{dB}(\mu\text{V}) = 20 \log$ Emission level $\mu\text{V/m}$.
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument antenna and the closest point of any part of the device or system.

Frequency MHz	Distance Meters	Field Strengths Limit	
		Peak $\text{dB}(\mu\text{V/m})$	AVG $\text{dB}(\mu\text{V/m})$
Above 1GHz	3	74	54

5.3. Test Mode Description

Test Mode1: Charging by charger
Test Mode2: Charging by type C
Test Mode3: Scan receiver(scanning mode)
Test Mode4: receiver mode 136.0125MHz
Test Mode5: receiver mode 155.0125MHz
Test Mode6: receiver mode 173.9875MHz
Test Mode7: receiver mode 400.0125MHz
Test Mode8: receiver mode 440.0125MHz
Test Mode9: receiver mode 479.9875MHz

5.4. Manufacturer

The following equipments are installed on Radiated Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

5.4.1. Two Way Radio

Model Number : HA1G

5.5. Operating Condition of EUT

5.5.1. Setup the EUT and simulator as shown as Section 5.1.

5.5.2. Turn on the power of all equipment.

5.5.3. Let the EUT work in test mode and measure it.

5.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated emission measurement.

The bandwidth of the Receiver/Spectrum Analyzer is set at 9kHz in 9kHz-30MHz, 120 kHz in 30-1000MHz, and 1MHz in above 1000MHz.

The frequency range from 30MHz to 13000MHz is investigated.

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30.
1.705-108	1000.
108-500	2000.
500-1000	5000.
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower.

5.7.Data Sample

Over limit (dB) = Result(dBµv/m) - Limit (dBµv/m)
 QP = Quasi-peak Reading

The “Over limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7dB means the emission is 7dB below the limit.

5.8.Radiated Emission Measurement Result

PASS.

The frequency range from 30MHz to 13GHz is investigated.
 The spectral diagrams are attached as below.

Note 1: For 30MHz-1GHz, when the test result of peak was less than the limit of QP more than 6dB, just record the peak value.

Note 2: For above 1GHz, the test result of peak was less than the limit of average, just record the peak value.

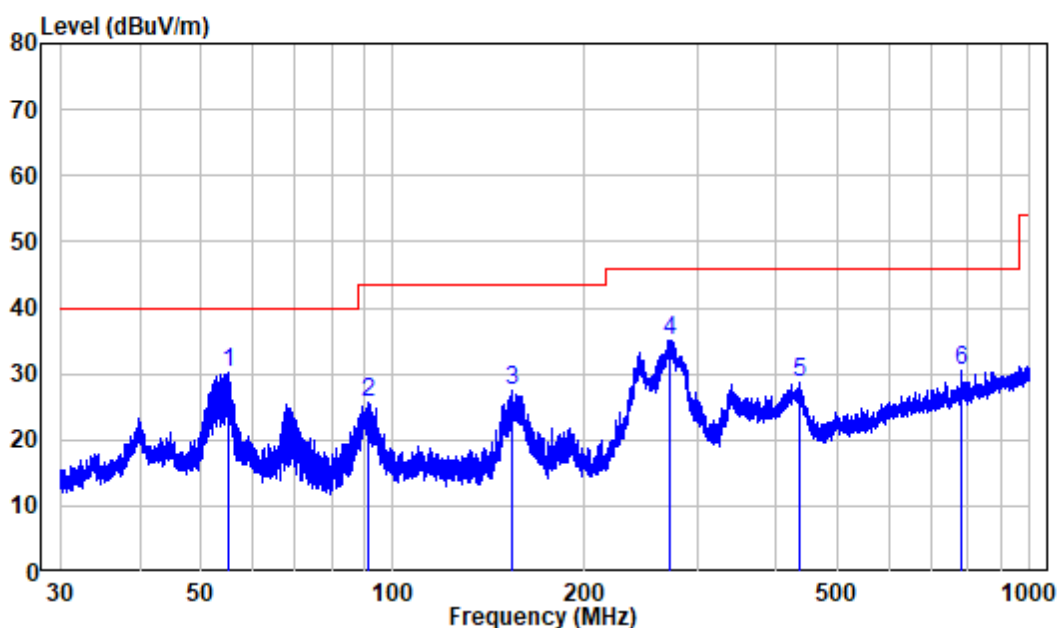
Note 3: The other spurious emission is 20dB below to the limit or in the noise floor was not recorded.

30MHz~1GHz

Job No.:	RA230425-22213E-RF	Power:	120V 60Hz
EUT No.:	2547-5	Test By:	Jason Liu
EUT:	Two Way Radio	Test item:	RE
Model:	HA1G	Temperature:	23~24° C
Test standard:	FCC Part 15B	Relative Humidity:	51~57%
Date:	2023.5.7&2023.6.9	ATM Pressure:	101 kPa

Test Mode 1:

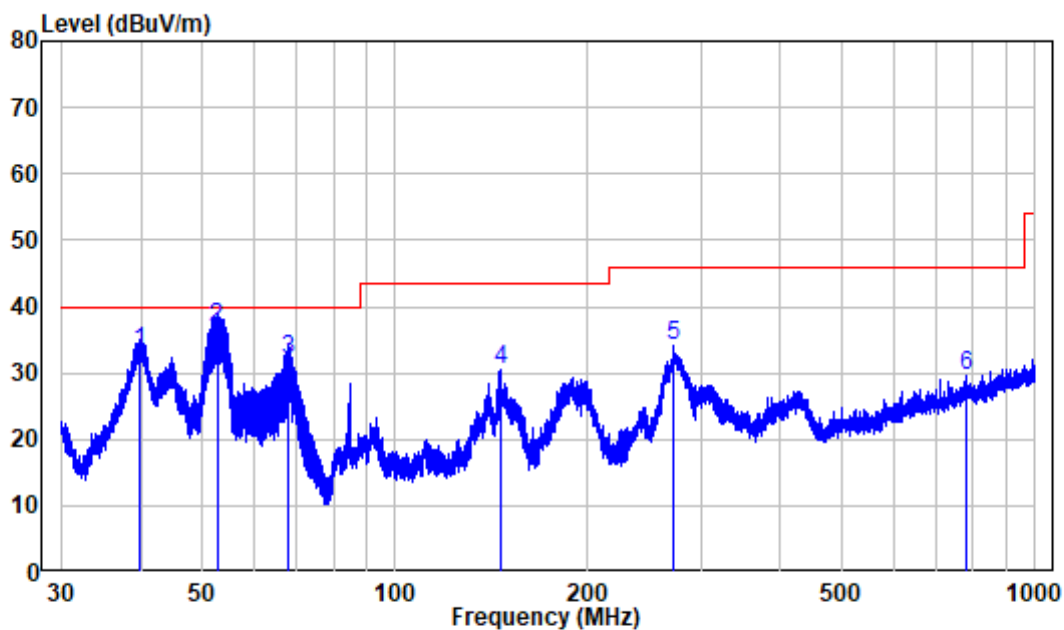
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Base Charging

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	55.100	-10.28	40.48	30.20	40.00	-9.80	Peak
2	91.135	-13.61	39.38	25.77	43.50	-17.73	Peak
3	153.537	-15.06	42.49	27.43	43.50	-16.07	Peak
4	272.516	-10.07	45.13	35.06	46.00	-10.94	Peak
5	435.399	-5.70	34.45	28.75	46.00	-17.25	Peak
6	780.291	0.07	30.50	30.57	46.00	-15.43	Peak

Vertical

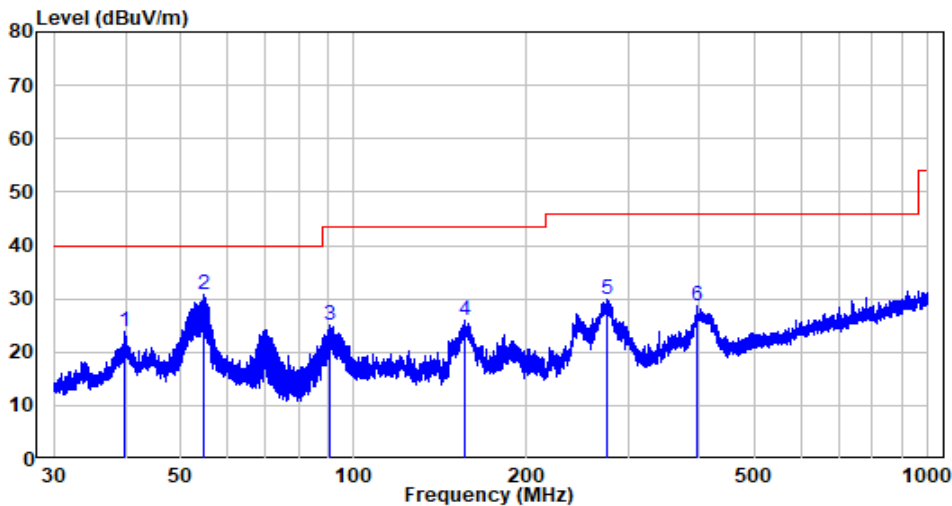


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Base Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39.872	-10.37	43.45	33.08	40.00	-6.92	QP
2	52.621	-10.09	46.90	36.81	40.00	-3.19	QP
3	67.853	-13.76	45.80	32.04	40.00	-7.96	QP
4	146.117	-15.49	45.96	30.47	43.50	-13.03	Peak
5	271.444	-10.13	44.16	34.03	46.00	-11.97	Peak
6	781.660	0.05	29.57	29.62	46.00	-16.38	Peak

Test Mode 2:

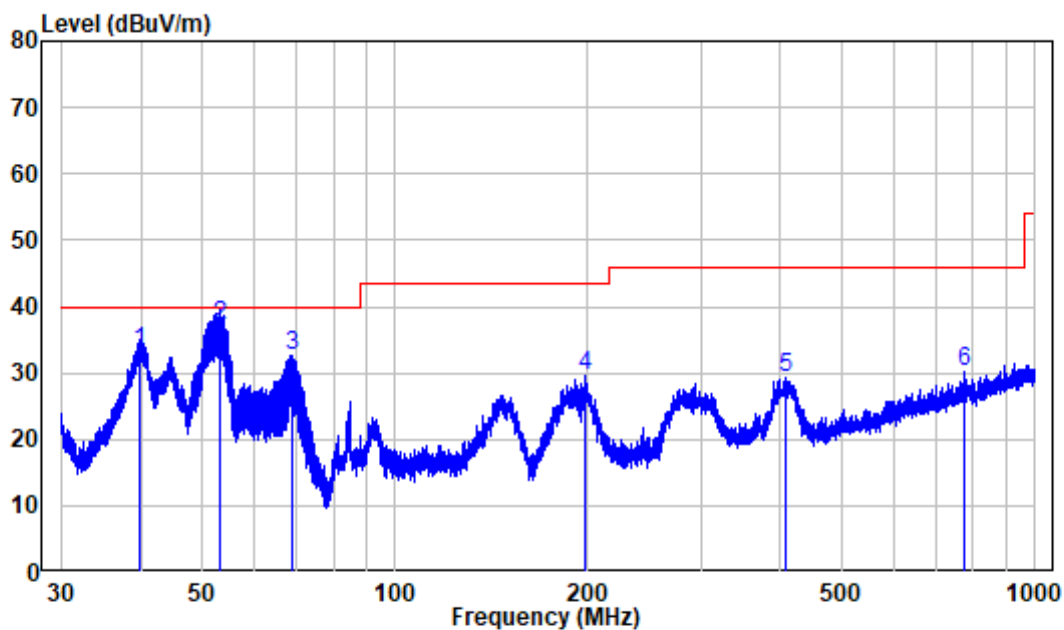
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Battery Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39.889	-10.36	34.19	23.83	40.00	-16.17	Peak
2	54.787	-10.29	41.06	30.77	40.00	-9.23	Peak
3	90.458	-13.86	38.92	25.06	43.50	-18.44	Peak
4	155.979	-14.82	40.69	25.87	43.50	-17.63	Peak
5	275.157	-9.89	39.81	29.92	46.00	-16.08	Peak
6	396.763	-6.78	35.49	28.71	46.00	-17.29	Peak

Vertical

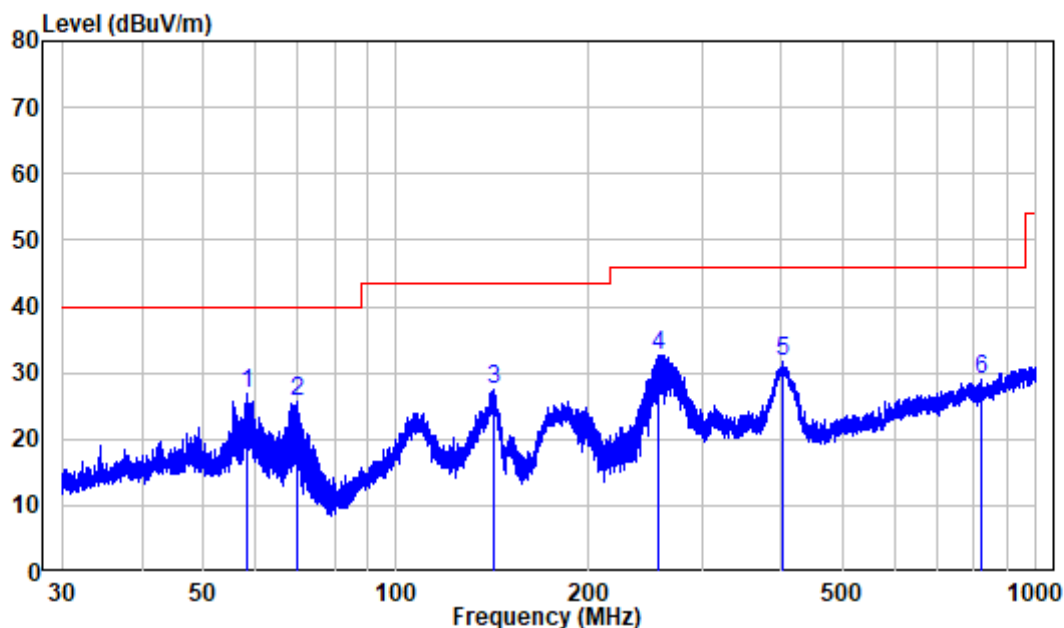


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Battery Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39.837	-10.38	43.60	33.22	40.00	-6.78	QP
2	53.061	-10.17	47.20	37.03	40.00	-2.97	QP
3	68.782	-14.20	46.82	32.62	40.00	-7.38	Peak
4	197.460	-11.55	41.09	29.54	43.50	-13.96	Peak
5	407.157	-6.56	35.98	29.42	46.00	-16.58	Peak
6	773.819	-0.01	30.34	30.33	46.00	-15.67	Peak

Test Mode3:

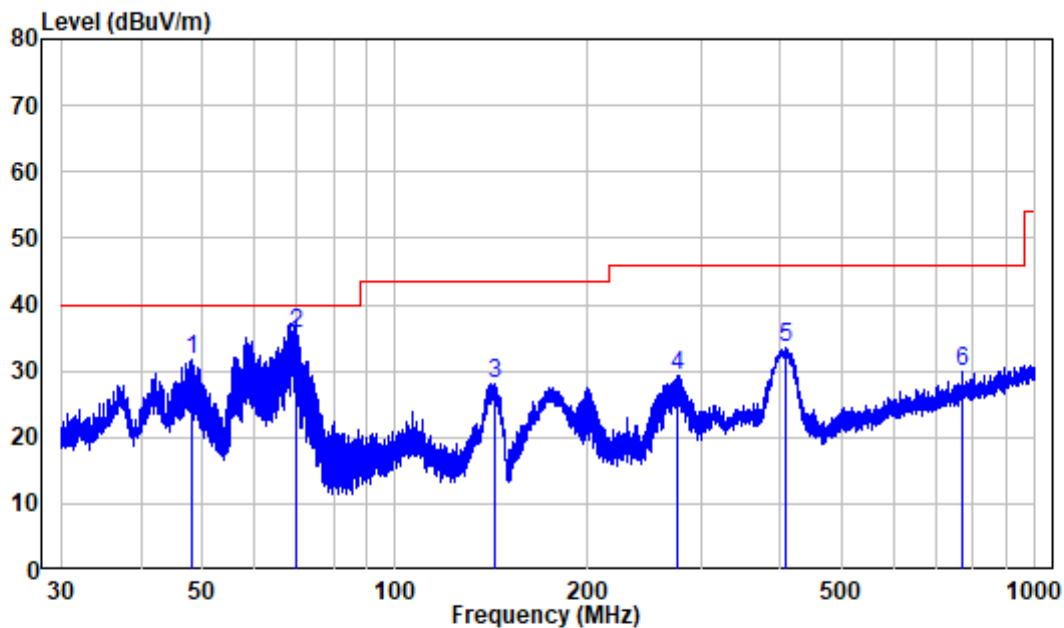
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Scanning Receiver

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	58.382	-10.04	37.02	26.98	40.00	-13.02	Peak
2	69.845	-14.71	40.38	25.67	40.00	-14.33	Peak
3	141.702	-15.53	42.96	27.43	43.50	-16.07	Peak
4	257.197	-10.60	43.21	32.61	46.00	-13.39	Peak
5	402.367	-6.73	38.36	31.63	46.00	-14.37	Peak
6	822.431	0.04	28.81	28.85	46.00	-17.15	Peak

Vertical

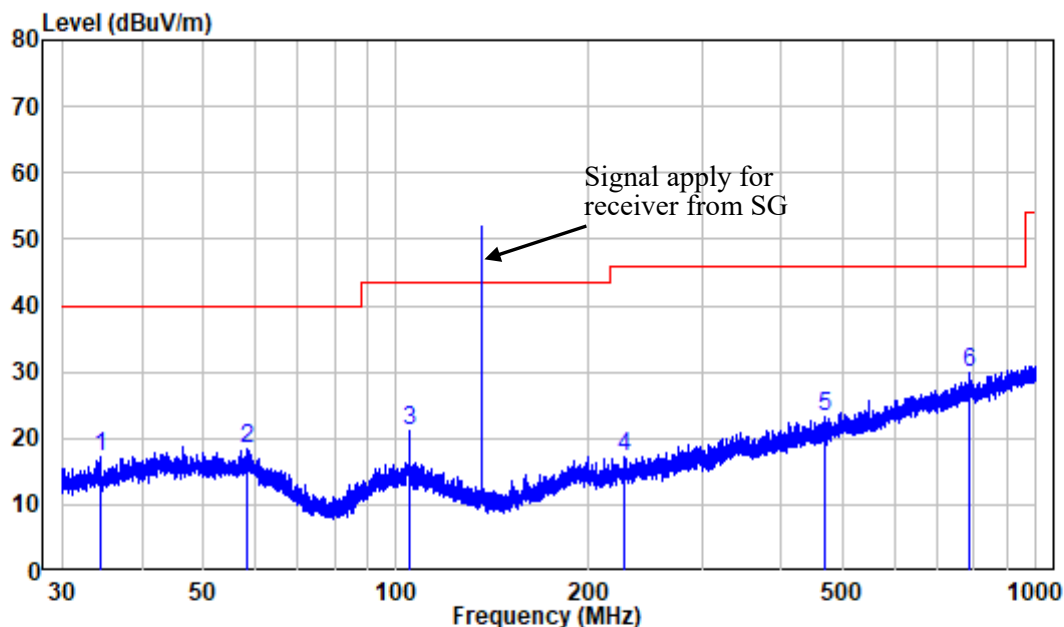


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Scanning Receiver

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	48.226	-9.99	41.55	31.56	40.00	-8.44	Peak
2	69.845	-14.71	50.25	35.54	40.00	-4.46	QP
3	143.389	-15.52	43.69	28.17	43.50	-15.33	Peak
4	276.487	-9.80	39.07	29.27	46.00	-16.73	Peak
5	408.946	-6.41	39.91	33.50	46.00	-12.50	Peak
6	770.435	-0.16	30.11	29.95	46.00	-16.05	Peak

Test Mode4:

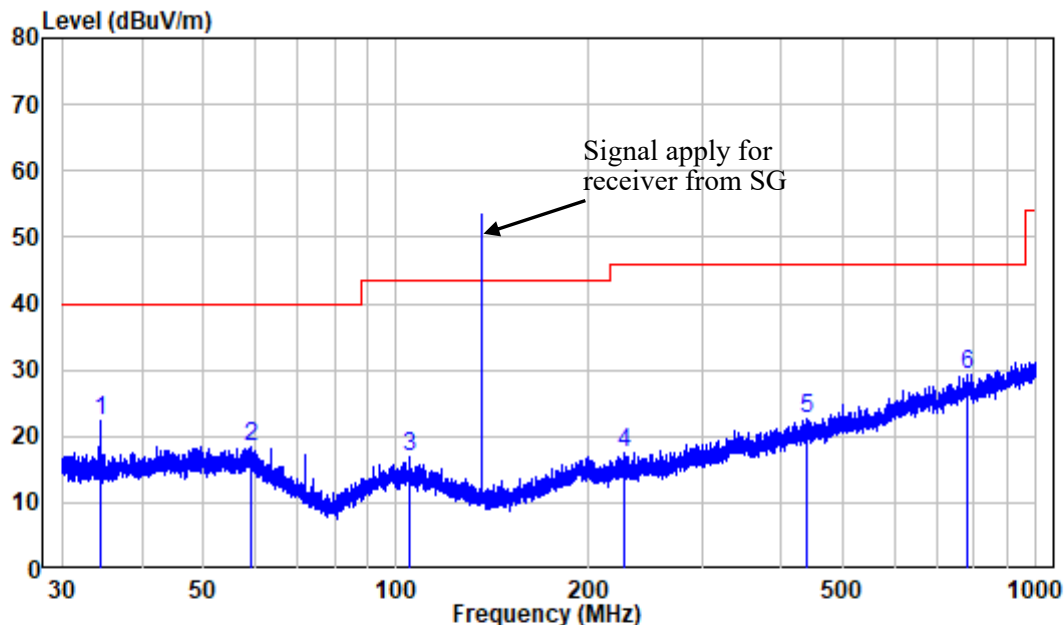
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(136.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.532	-11.69	28.90	17.21	40.00	-22.79	Peak
2	58.536	-10.09	28.56	18.47	40.00	-21.53	Peak
3	104.765	-11.81	32.90	21.09	43.50	-22.41	Peak
4	227.791	-11.18	28.36	17.18	46.00	-28.82	Peak
5	466.417	-5.51	28.66	23.15	46.00	-22.85	Peak
6	786.127	-0.05	29.86	29.81	46.00	-16.19	Peak

Vertical

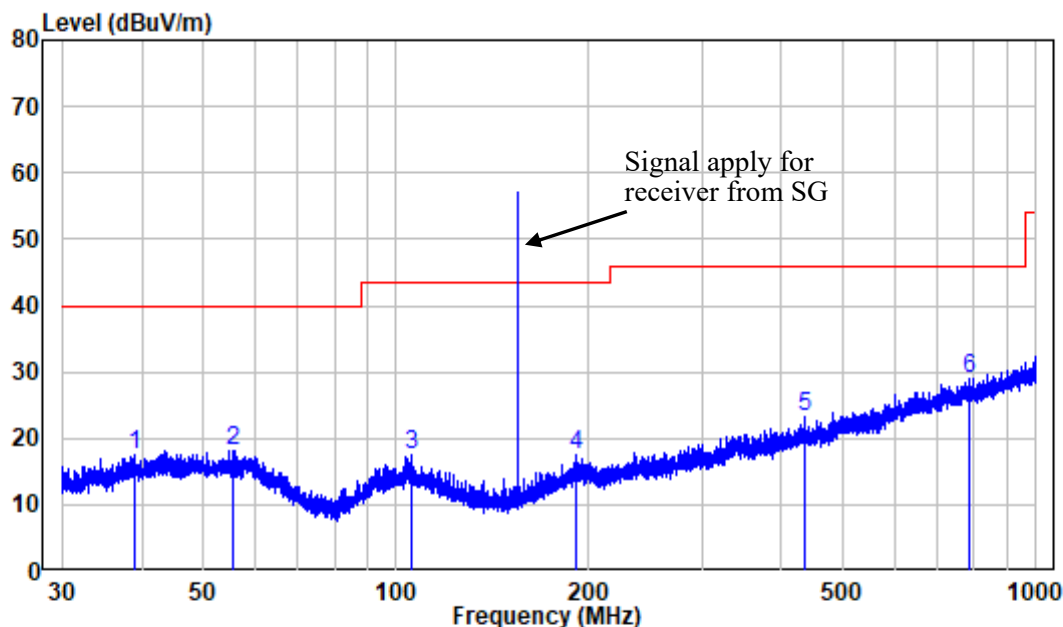


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(136.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.502	-11.70	34.15	22.45	40.00	-17.55	Peak
2	59.103	-10.30	28.79	18.49	40.00	-21.51	Peak
3	104.674	-11.80	28.82	17.02	43.50	-26.48	Peak
4	227.591	-11.19	28.74	17.55	46.00	-28.45	Peak
5	438.848	-5.66	28.29	22.63	46.00	-23.37	Peak
6	783.375	0.01	29.38	29.39	46.00	-16.61	Peak

Test Mode5:

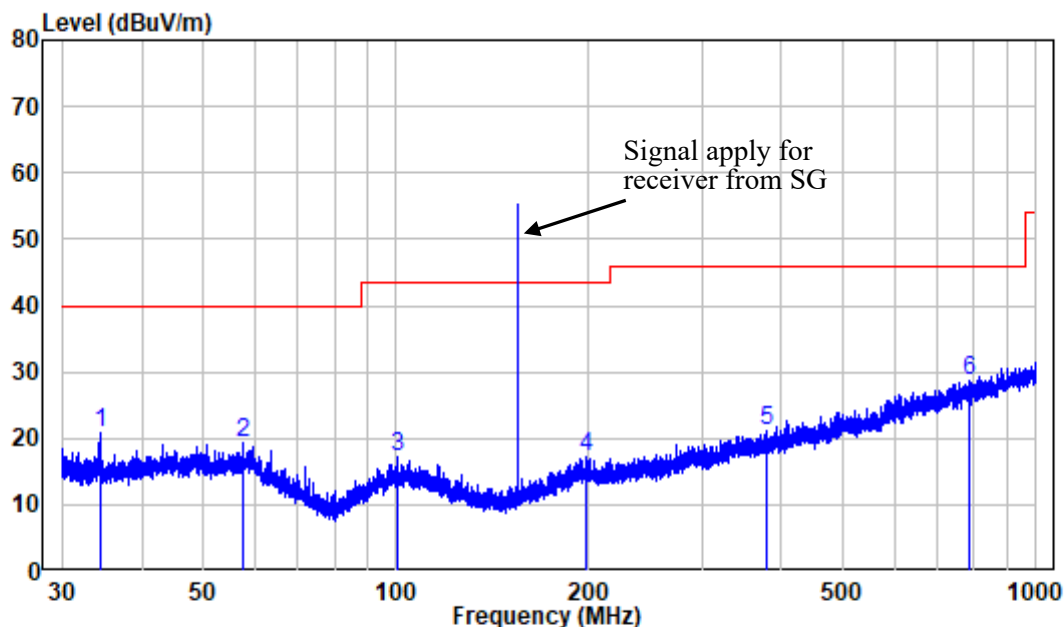
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(155.0125MHz)

	Read	Limit	Over			
Freq	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39.024	-10.58	28.00	17.42	40.00	-22.58 Peak
2	55.415	-10.25	28.37	18.12	40.00	-21.88 Peak
3	105.688	-11.90	29.29	17.39	43.50	-26.11 Peak
4	191.577	-11.31	28.73	17.42	43.50	-26.08 Peak
5	434.065	-5.72	28.98	23.26	46.00	-22.74 Peak
6	787.851	-0.09	28.99	28.90	46.00	-17.10 Peak

Vertical

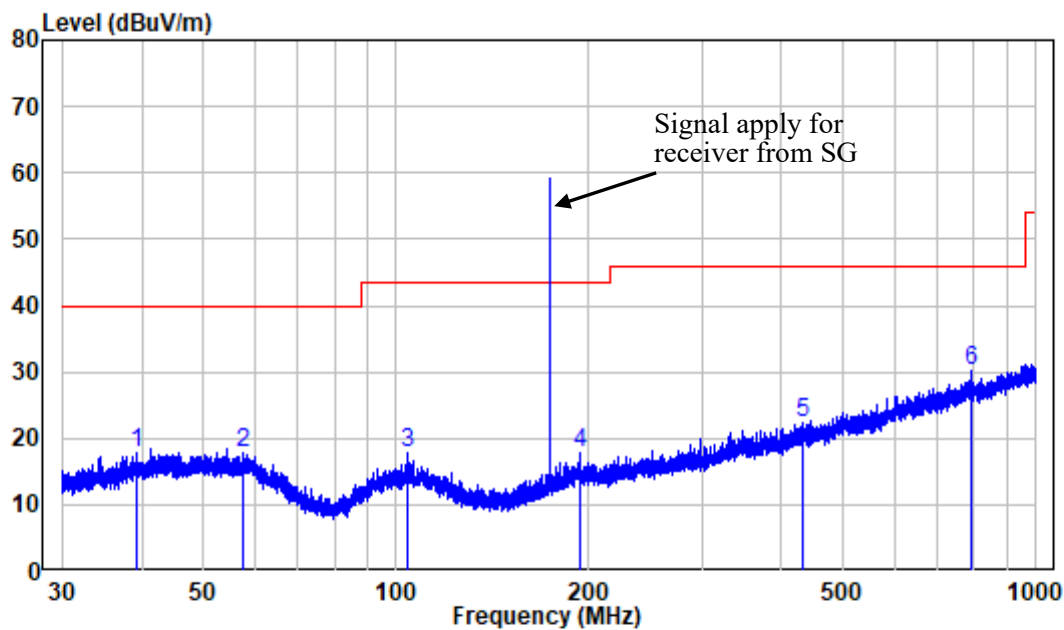


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(155.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.472	-11.71	32.44	20.73	40.00	-19.27	Peak
2	57.417	-9.99	29.38	19.39	40.00	-20.61	Peak
3	100.669	-11.72	28.83	17.11	43.50	-26.39	Peak
4	198.327	-11.51	28.73	17.22	43.50	-26.28	Peak
5	378.087	-7.20	28.45	21.25	46.00	-24.75	Peak
6	785.782	-0.05	28.63	28.58	46.00	-17.42	Peak

Test Mode6:

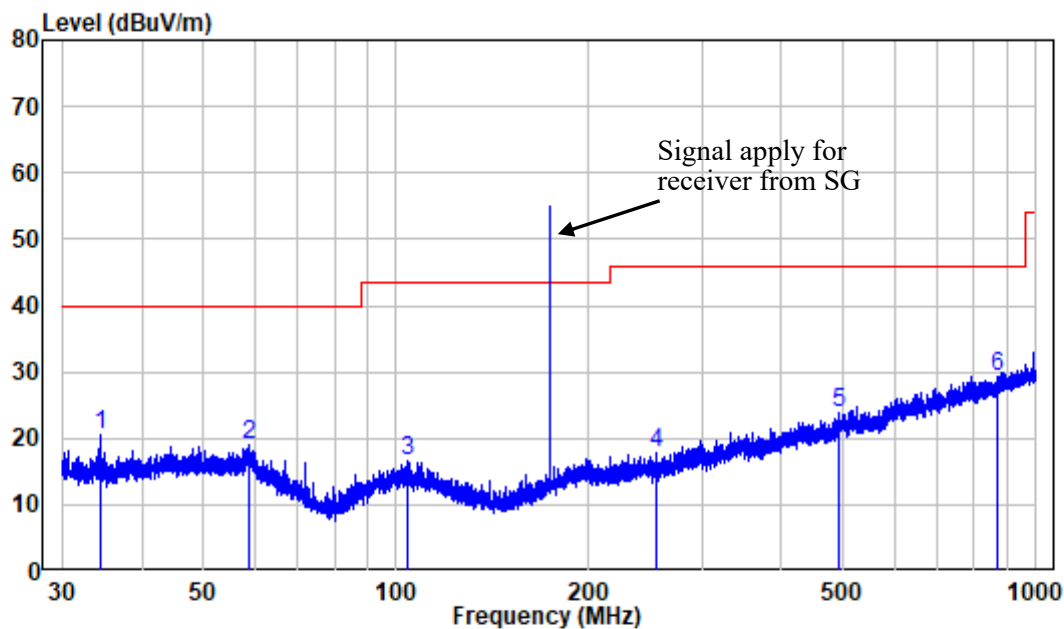
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(173.9875MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	39.213	-10.53	28.37	17.84	40.00	-22.16	Peak
2	57.746	-9.94	27.77	17.83	40.00	-22.17	Peak
3	104.079	-11.75	29.45	17.70	43.50	-25.80	Peak
4	193.688	-11.30	29.25	17.95	43.50	-25.55	Peak
5	432.925	-5.74	28.03	22.29	46.00	-23.71	Peak
6	790.619	-0.14	30.35	30.21	46.00	-15.79	Peak

Vertical

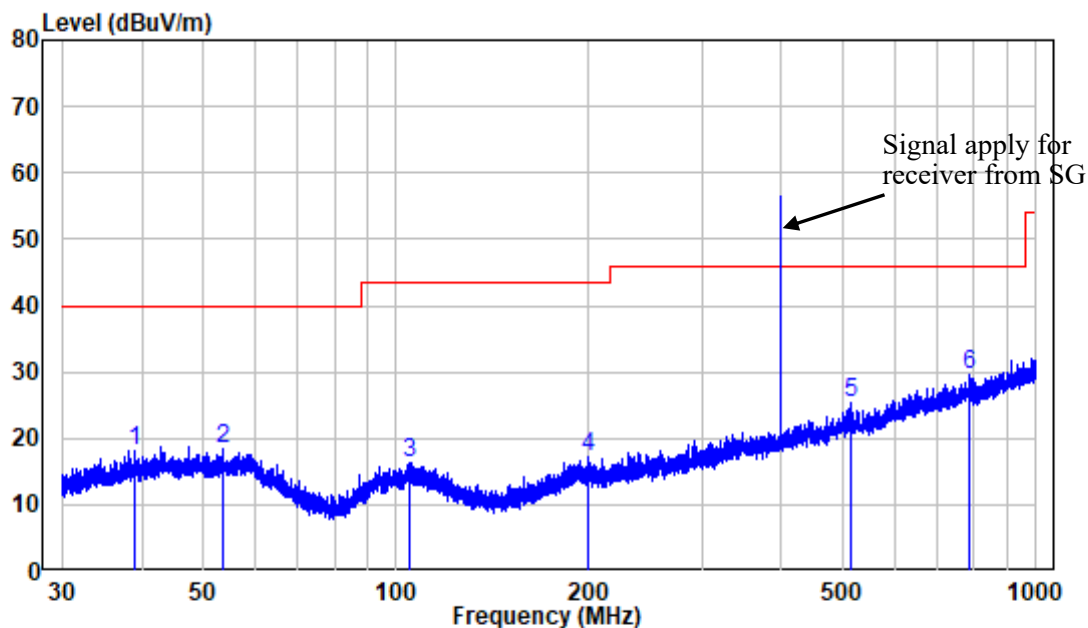


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(173.9875MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.381	-11.74	32.34	20.60	40.00	-19.40	Peak
2	58.844	-10.21	29.20	18.99	40.00	-21.01	Peak
3	104.445	-11.78	28.43	16.65	43.50	-26.85	Peak
4	255.287	-10.61	28.39	17.78	46.00	-28.22	Peak
5	491.390	-4.61	28.45	23.84	46.00	-22.16	Peak
6	869.893	0.99	28.43	29.42	46.00	-16.58	Peak

Test Mode7:

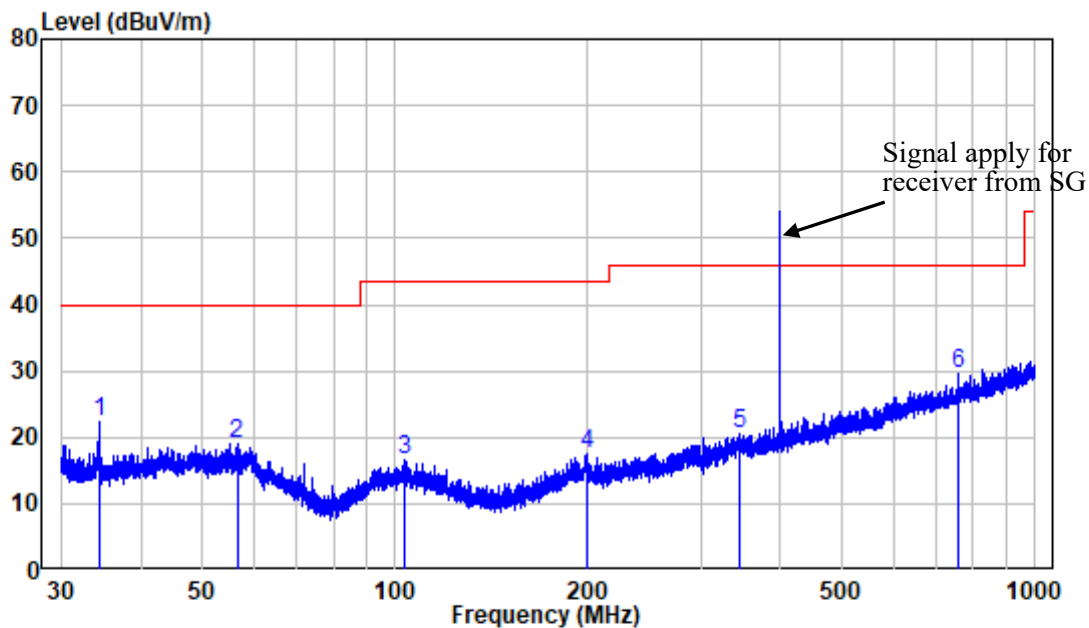
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(400.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	38.888	-10.61	28.71	18.10	40.00	-21.90	Peak
2	53.740	-10.30	28.60	18.30	40.00	-21.70	Peak
3	105.226	-11.85	28.21	16.36	43.50	-27.14	Peak
4	199.986	-11.40	28.76	17.36	43.50	-26.14	Peak
5	514.986	-4.28	29.70	25.42	46.00	-20.58	Peak
6	784.406	-0.01	29.49	29.48	46.00	-16.52	Peak

Vertical

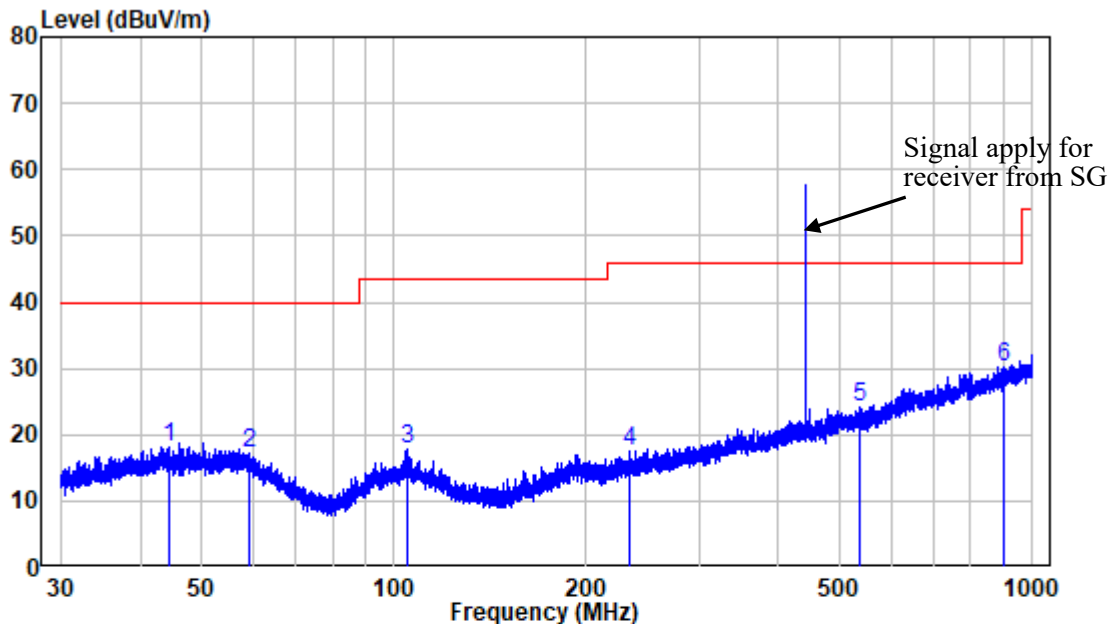


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(400.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.472	-11.71	33.93	22.22	40.00	-17.78	Peak
2	56.568	-10.10	29.11	19.01	40.00	-20.99	Peak
3	103.306	-11.68	28.38	16.70	43.50	-26.80	Peak
4	199.986	-11.40	28.77	17.37	43.50	-26.13	Peak
5	344.688	-7.23	27.74	20.51	46.00	-25.49	Peak
6	758.706	-0.60	30.26	29.66	46.00	-16.34	Peak

Test Mode8:

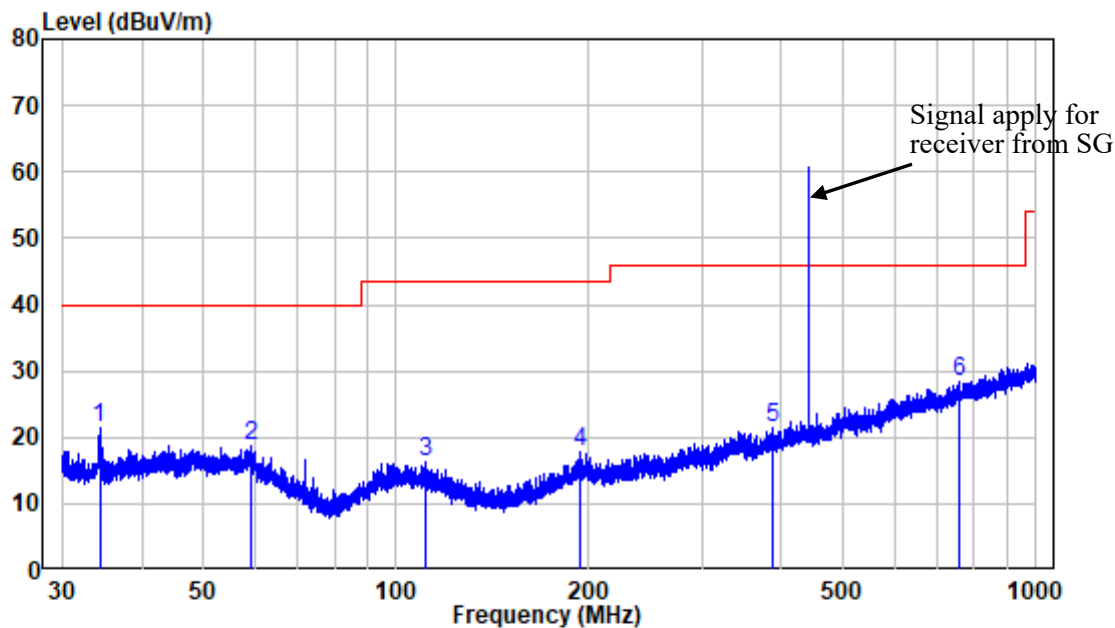
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(440.0125MHz)

	Freq	Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	44.450	-9.91	28.09	18.18	40.00	-21.82	Peak
2	59.103	-10.30	27.40	17.10	40.00	-22.90	Peak
3	104.995	-11.83	29.75	17.92	43.50	-25.58	Peak
4	233.042	-11.02	28.62	17.60	46.00	-28.40	Peak
5	537.118	-4.21	28.34	24.13	46.00	-21.87	Peak
6	903.705	1.60	28.71	30.31	46.00	-15.69	Peak

Vertical

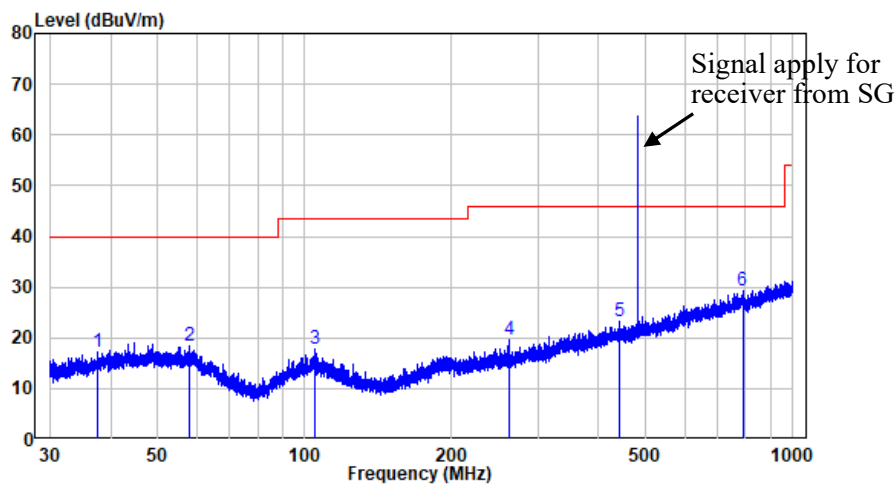


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(440.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.366	-11.74	33.19	21.45	40.00	-18.55	Peak
2	59.232	-10.34	29.18	18.84	40.00	-21.16	Peak
3	110.860	-12.08	28.37	16.29	43.50	-27.21	Peak
4	193.688	-11.30	28.97	17.67	43.50	-25.83	Peak
5	387.992	-6.95	28.28	21.33	46.00	-24.67	Peak
6	760.704	-0.54	28.97	28.43	46.00	-17.57	Peak

Test Mode 9:

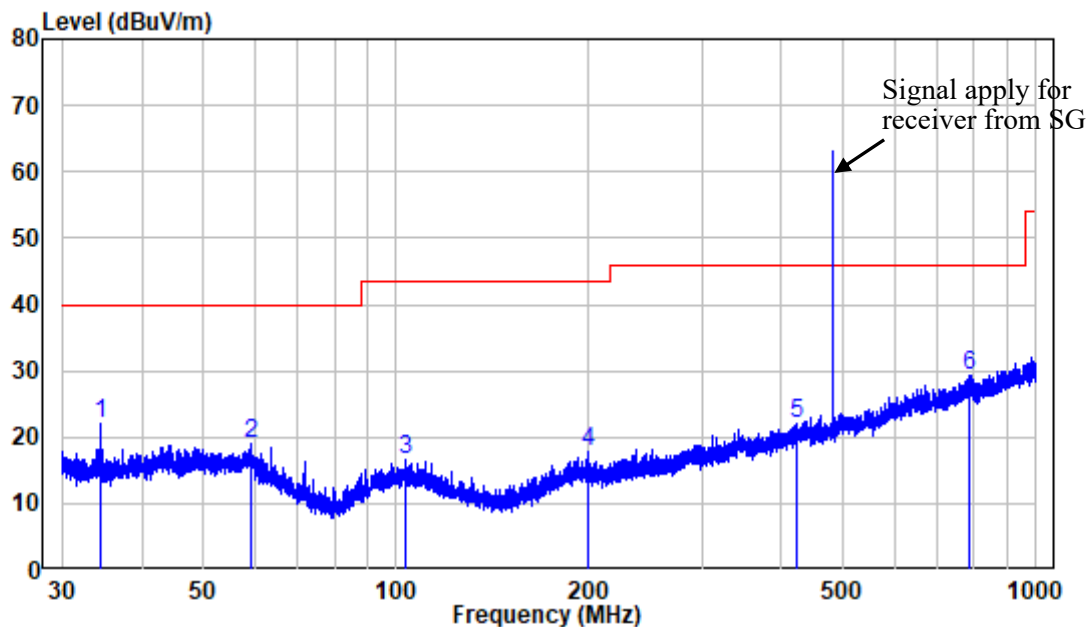
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(479.9875MHz)

	Freq	Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB
1	37.482	-10.93	28.13	17.20	40.00	-22.80 Peak
2	58.101	-9.94	28.42	18.48	40.00	-21.52 Peak
3	104.811	-11.81	29.60	17.79	43.50	-25.71 Peak
4	262.435	-10.52	30.28	19.76	46.00	-26.24 Peak
5	440.582	-5.64	28.79	23.15	46.00	-22.85 Peak
6	789.234	-0.12	29.34	29.22	46.00	-16.78 Peak

Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(479.9875MHz)

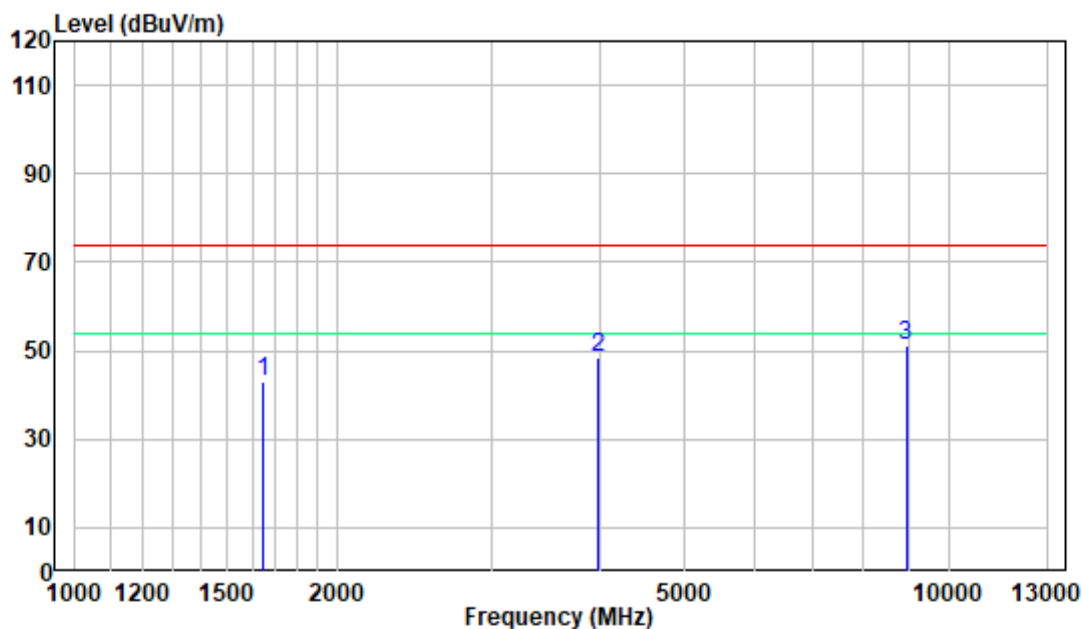
	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	34.517	-11.69	33.85	22.16	40.00	-17.84	Peak
2	59.077	-10.29	29.17	18.88	40.00	-21.12	Peak
3	103.080	-11.67	28.21	16.54	43.50	-26.96	Peak
4	199.986	-11.40	29.35	17.95	43.50	-25.55	Peak
5	423.726	-5.93	27.85	21.92	46.00	-24.08	Peak
6	785.438	-0.04	29.41	29.37	46.00	-16.63	Peak

Above 1GHz:

Job No.:	RA230425-22213E-RF	Power:	120V 60Hz
EUT No.:	2547-5	Test By:	Jason Liu
EUT:	Two Way Radio	Test item:	RE
Model:	HA1G	Temperature:	23~24° C
Test standard:	FCC Part 15B	Relative Humidity:	57%
Date:	2023.5.7&2023.6.8	ATM Pressure:	101 kPa

Test Mode 1:

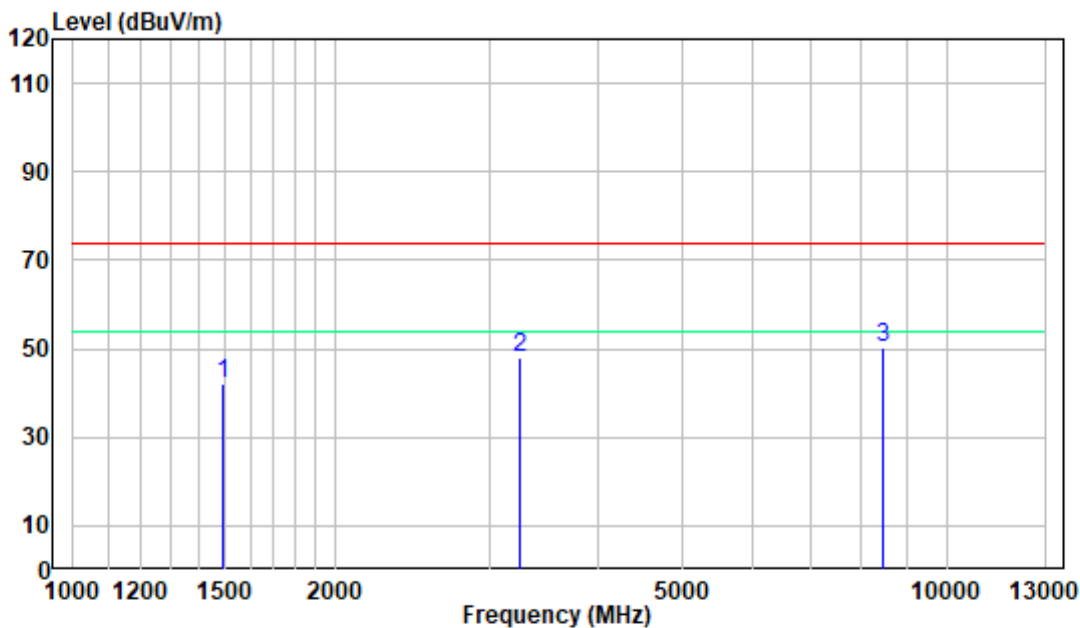
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Base Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1649.000	-13.67	56.82	43.15	74.00	-30.85	Peak
2	3974.000	-8.56	57.09	48.53	74.00	-25.47	Peak
3	8945.000	3.36	48.00	51.36	74.00	-22.64	Peak

Vertical

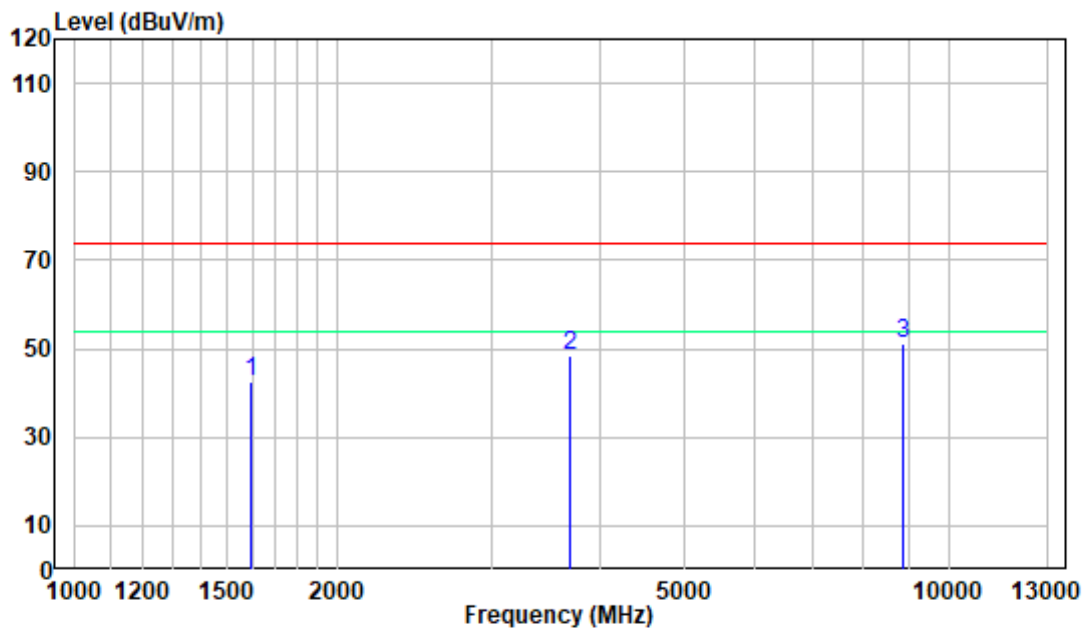


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Base Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1487.000	-13.88	56.20	42.32	74.00	-31.68	Peak
2	3255.000	-10.28	58.20	47.92	74.00	-26.08	Peak
3	8456.000	2.11	48.21	50.32	74.00	-23.68	Peak

Test Mode2:

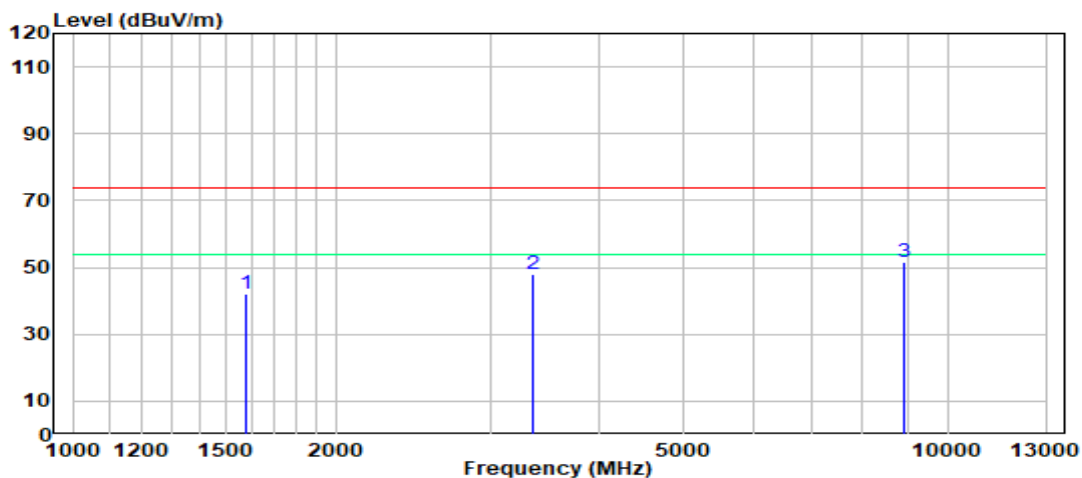
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Battery Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1596.000	-13.81	56.38	42.57	74.00	-31.43	Peak
2	3685.000	-9.61	58.06	48.45	74.00	-25.55	Peak
3	8863.000	2.44	48.85	51.29	74.00	-22.71	Peak

Vertical

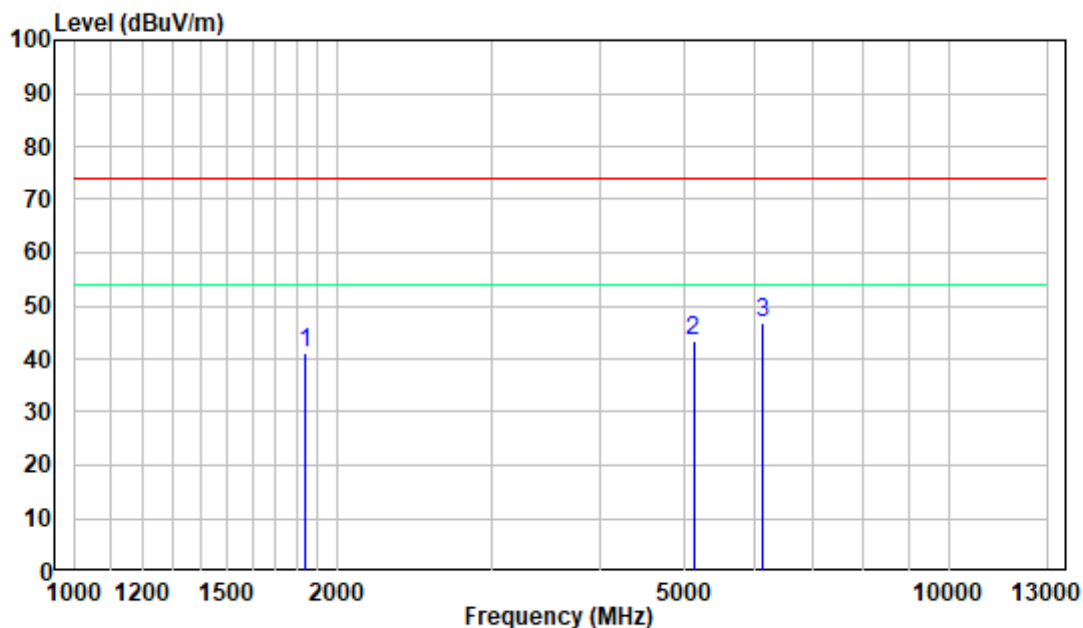


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Battery Charging

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1581.000	-13.81	55.91	42.10	74.00	-31.90	Peak
2	3363.000	-10.08	57.86	47.78	74.00	-26.22	Peak
3	8924.000	2.95	48.79	51.74	74.00	-22.26	Peak

Test Mode3:

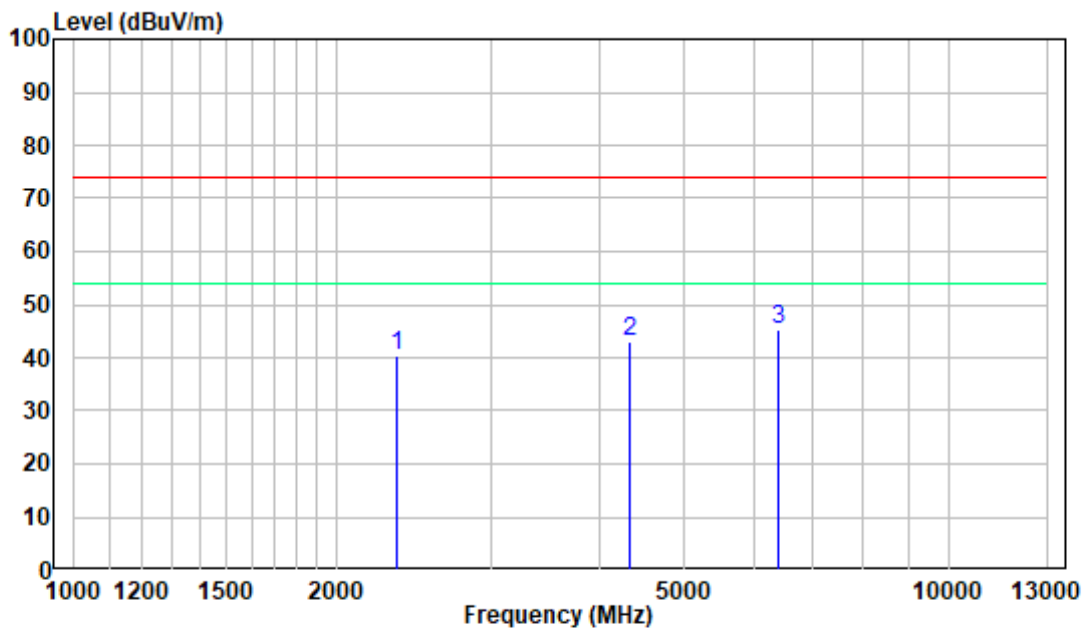
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Scanning Receiver

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1841.500	-13.48	54.66	41.18	74.00	-32.82	Peak
2	5109.750	-5.15	48.51	43.36	74.00	-30.64	Peak
3	6142.500	-0.49	47.11	46.62	74.00	-27.38	Peak

Vertical

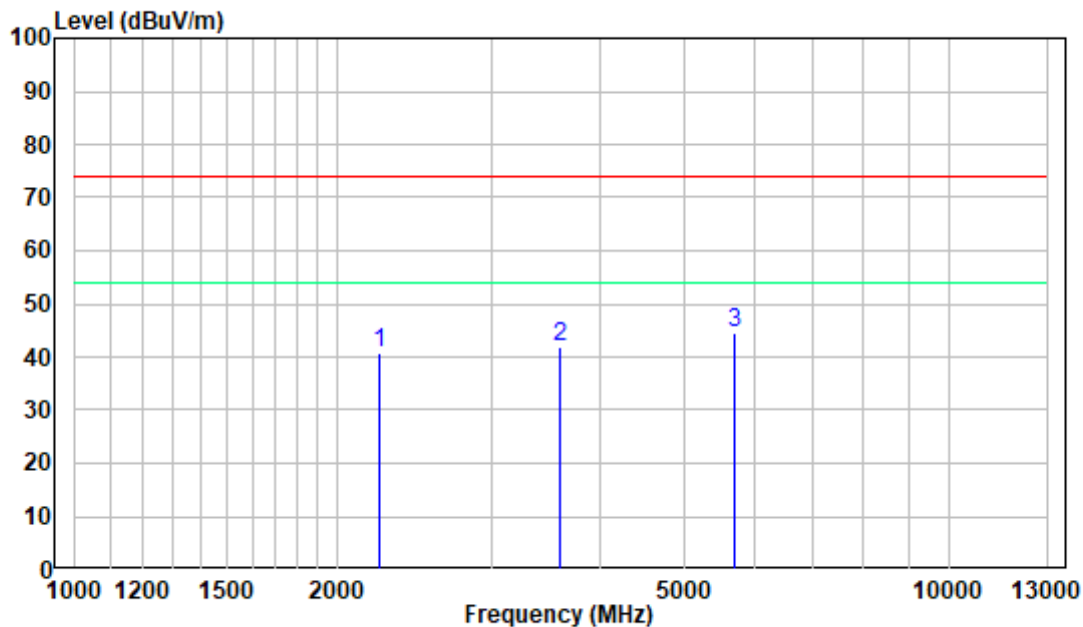


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Scanning Receiver

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2338.750	-10.67	51.16	40.49	74.00	-33.51	Peak
2	4332.000	-7.30	50.44	43.14	74.00	-30.86	Peak
3	6406.000	-0.56	45.79	45.23	74.00	-28.77	Peak

Test Mode4:

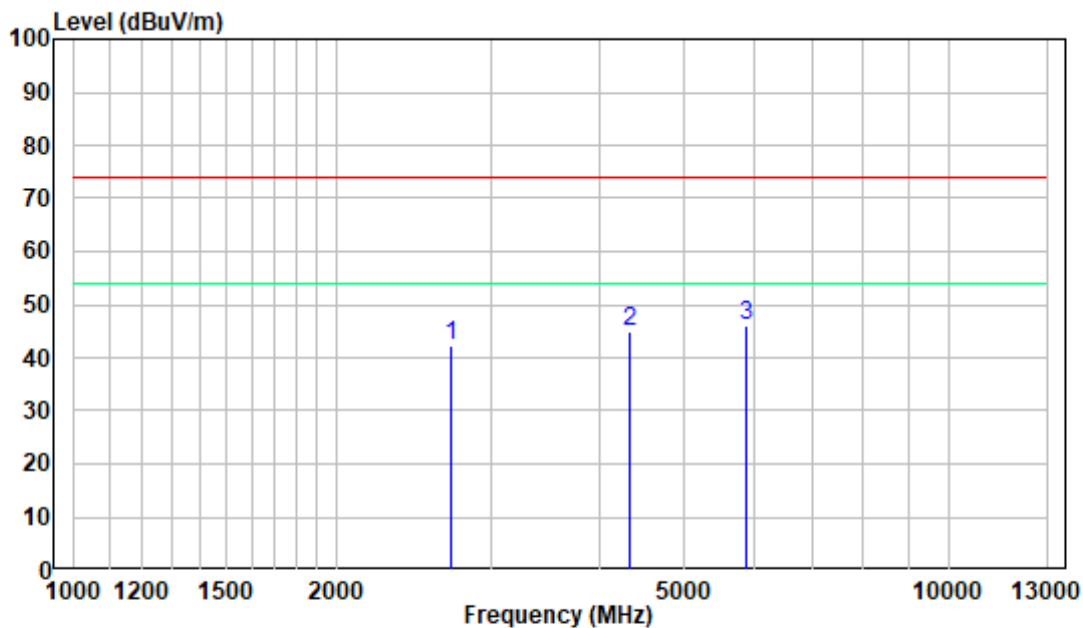
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(136.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2230.375	-10.75	51.36	40.61	74.00	-33.39	Peak
2	3596.750	-9.52	51.51	41.99	74.00	-32.01	Peak
3	5702.625	-2.35	46.96	44.61	74.00	-29.39	Peak

Vertical

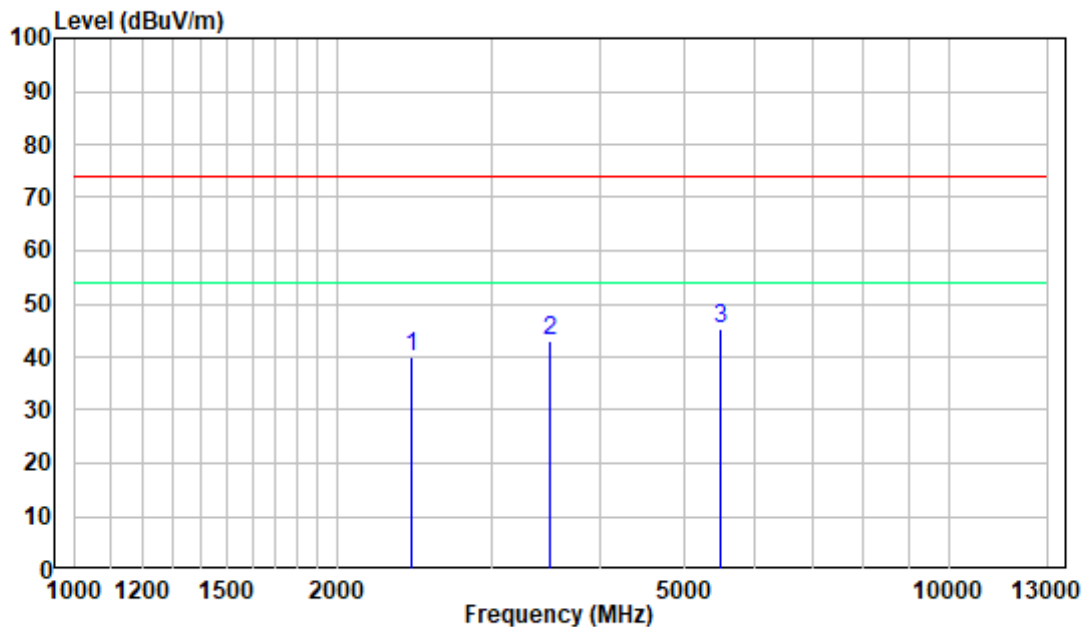


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(136.0125MHz)

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2706.375	-10.07	52.23	42.16	74.00	-31.84	Peak
2	4323.500	-7.36	52.10	44.74	74.00	-29.26	Peak
3	5870.500	-0.86	46.98	46.12	74.00	-27.88	Peak

Test Mode5:

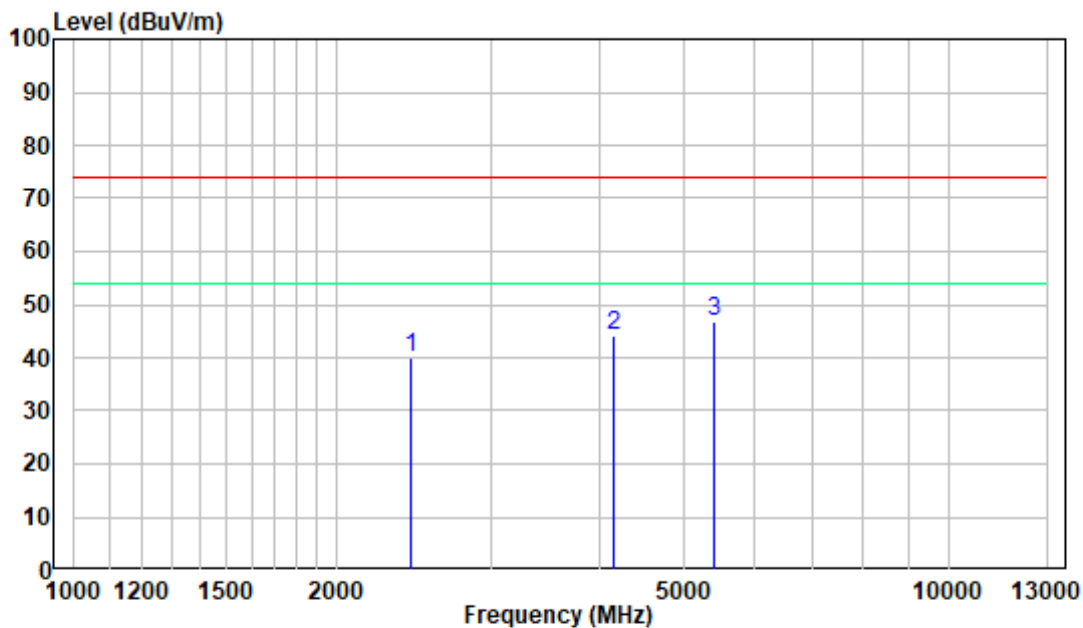
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(155.0125MHz)

	Read	Limit	Over				
Freq	Factor	Level	Level	Line			
MHz	dB/m	dBuV	dBuV/m	dBuV/m			
1	2438.625	-10.78	50.96	40.18	74.00	-33.82	Peak
2	3501.125	-9.19	52.22	43.03	74.00	-30.97	Peak
3	5498.625	-3.09	48.20	45.11	74.00	-28.89	Peak

Vertical

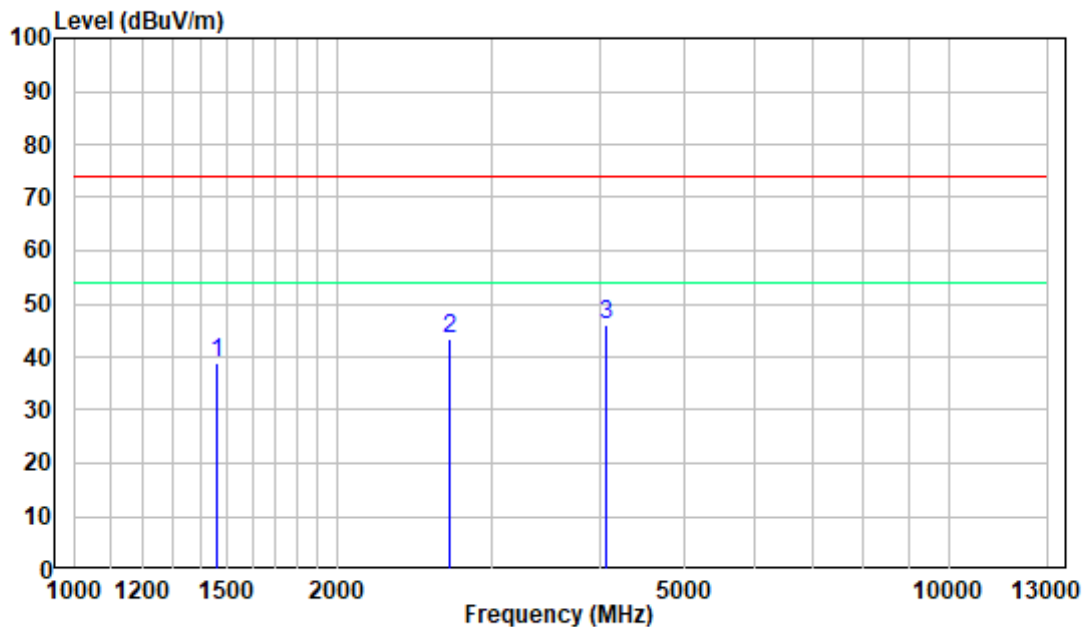


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(155.0125MHz)

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2438.625	-10.78	50.72	39.94	74.00	-34.06	Peak
2	4138.625	-7.99	52.28	44.29	74.00	-29.71	Peak
3	5390.250	-3.81	50.55	46.74	74.00	-27.26	Peak

Test Mode6:

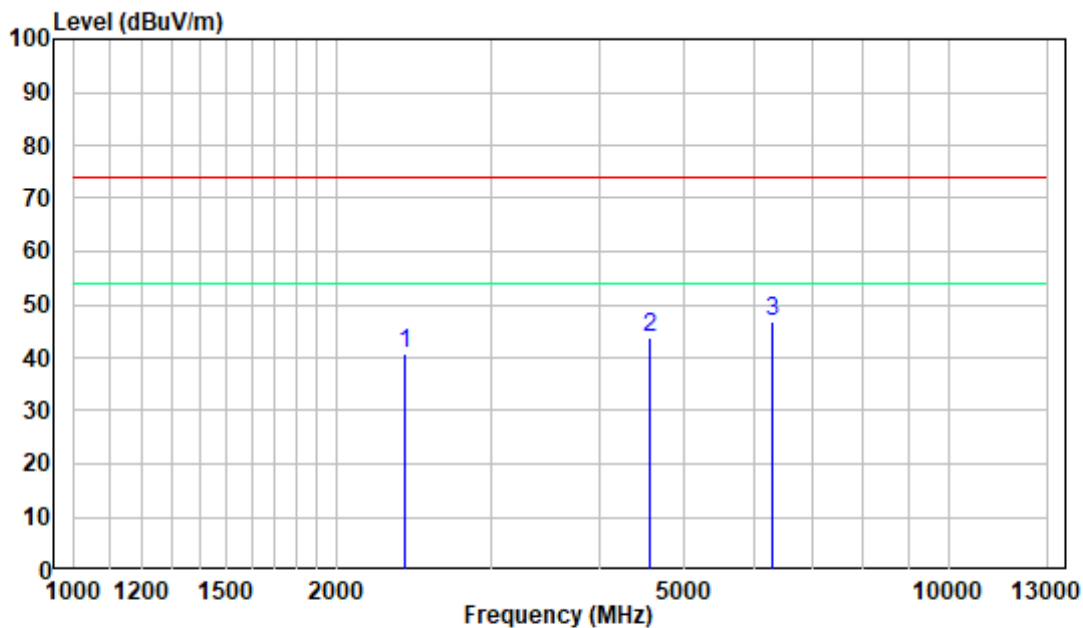
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(173.9875MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1454.750	-13.98	52.93	38.95	74.00	-35.05	Peak
2	2689.375	-10.24	53.60	43.36	74.00	-30.64	Peak
3	4053.625	-8.26	54.26	46.00	74.00	-28.00	Peak

Vertical

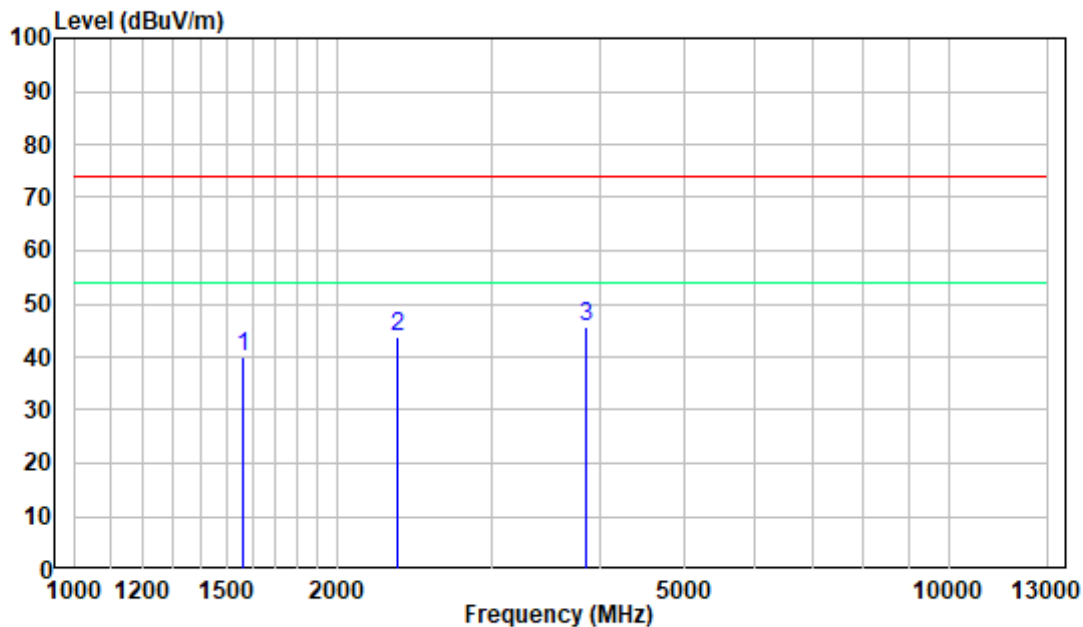


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(173.9875MHz)

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	2400.375	-10.68	51.55	40.87	74.00	-33.13	Peak
2	4572.125	-6.66	50.27	43.61	74.00	-30.39	Peak
3	6289.125	-0.69	47.53	46.84	74.00	-27.16	Peak

Test Mode7:

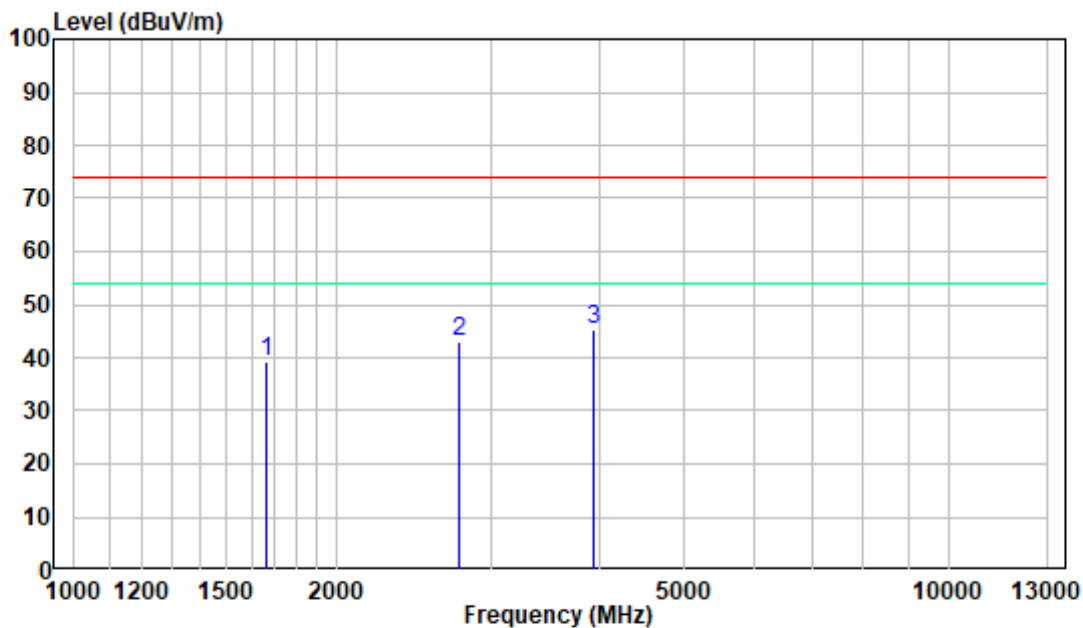
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(400.0125MHz)

	Read	Limit	Over			
Freq	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1558.875	-13.80	53.68	39.88	74.00	-34.12 Peak
2	2345.125	-10.73	54.45	43.72	74.00	-30.28 Peak
3	3856.000	-9.12	54.83	45.71	74.00	-28.29 Peak

Vertical

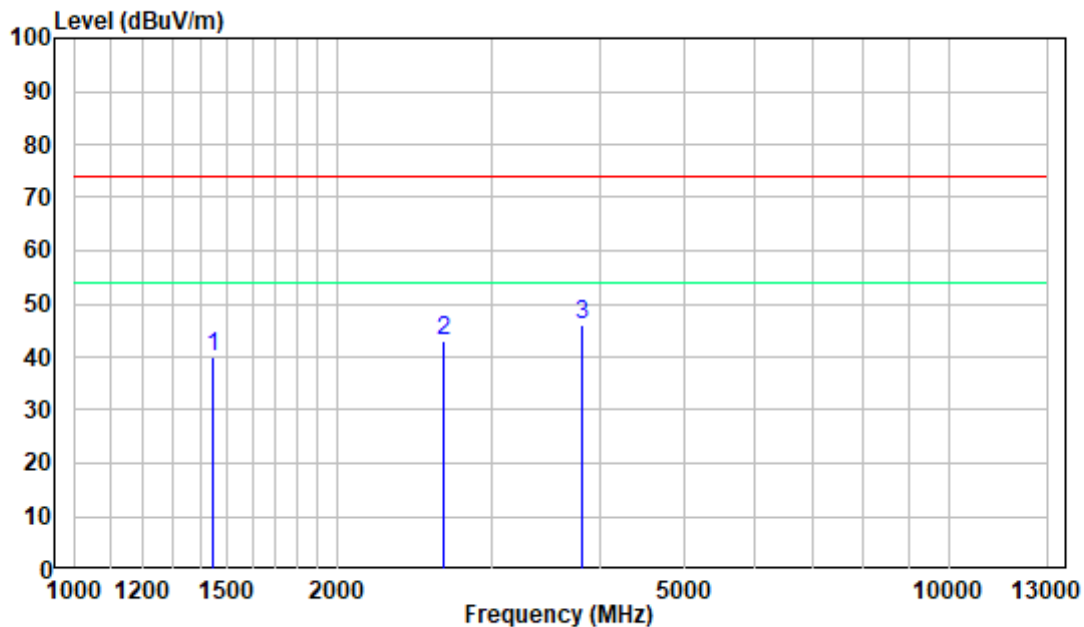


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(400.0125MHz)

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1663.000	-13.61	53.04	39.43	74.00	-34.57	Peak
2	2763.750	-10.38	53.55	43.17	74.00	-30.83	Peak
3	3928.250	-8.60	53.88	45.28	74.00	-28.72	Peak

Test Mode8:

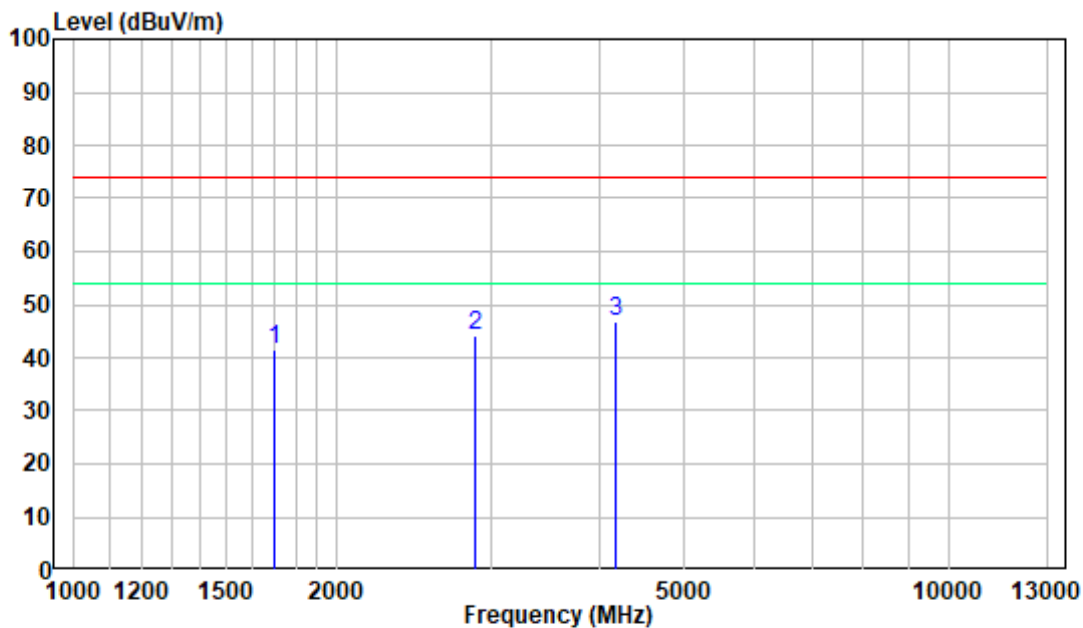
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(440.0125MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1439.875	-13.88	54.00	40.12	74.00	-33.88	Peak
2	2651.125	-10.99	54.16	43.17	74.00	-30.83	Peak
3	3807.125	-9.15	55.28	46.13	74.00	-27.87	Peak

Vertical

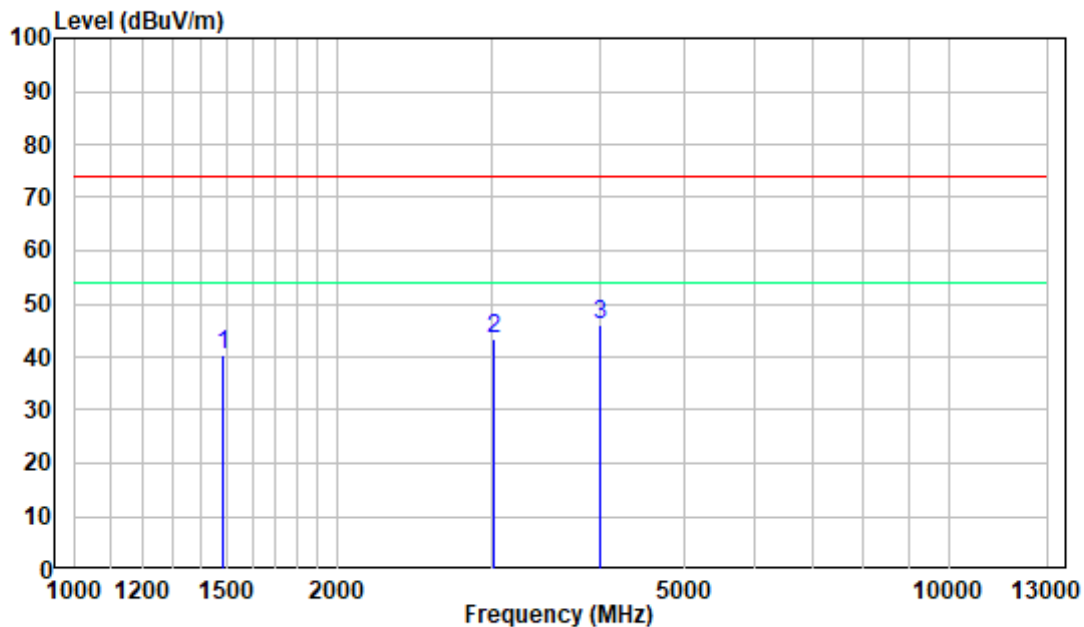


Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(440.0125MHz)

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1699.125	-13.46	54.84	41.38	74.00	-32.62	Peak
2	2880.625	-10.63	54.64	44.01	74.00	-29.99	Peak
3	4172.625	-7.81	54.78	46.97	74.00	-27.03	Peak

Test Mode9:

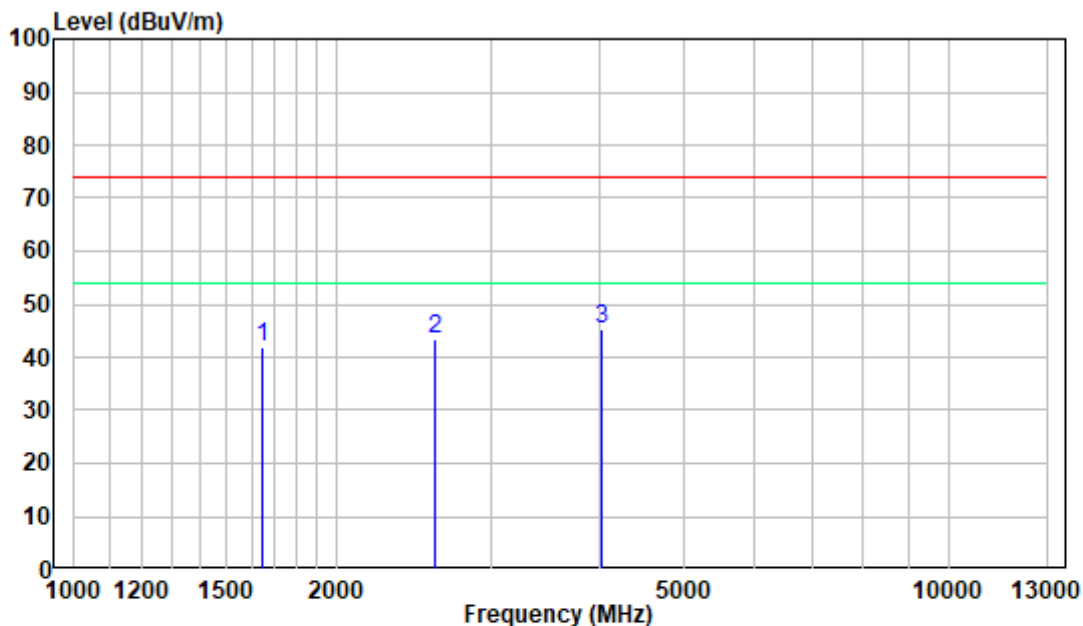
Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(479.9875MHz)

	Freq	Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1480.250	-13.90	54.25	40.35	74.00	-33.65	Peak
2	3027.250	-10.17	53.53	43.36	74.00	-30.64	Peak
3	4002.625	-8.64	54.59	45.95	74.00	-28.05	Peak

Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No. : RA230425-22213E-RF
 Test Mode: Receiver(479.9875MHz)

	Freq	Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dBuV	dBuV/m	dBuV/m	dB	
1	1646.000	-13.67	55.44	41.77	74.00	-32.23	Peak
2	2595.875	-10.47	53.89	43.42	74.00	-30.58	Peak
3	4028.125	-8.45	53.57	45.12	74.00	-28.88	Peak

6. ANTENNA CONDUCTED POWER FOR RECEIVERS

6.1.Applicable Standard

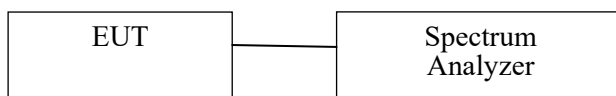
FCC §15.111

Limit

The antenna conducted power of the receiver as defined in §15.111 shall not exceed the value given in the following tables

Frequency Range	Limit
9kHz to 5GHz	2.0nW(-57dBm)

6.2.EUT Setup



6.3.Test Procedure

- 1.The reciver antenna terminal connected to a spectrum analyzer.
2. The test data of the worst case condition was reported on the following Data page.

6.4.Test Data

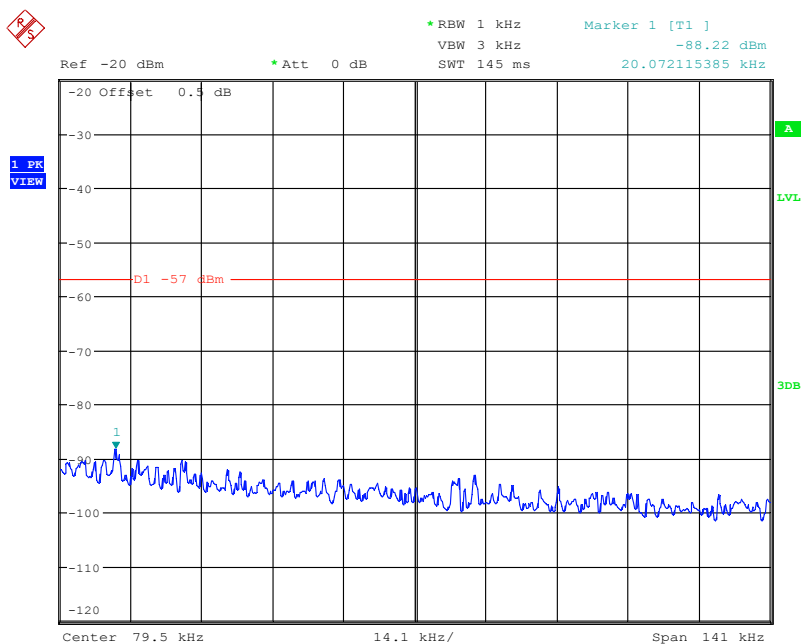
6.4.1.Environmental Conditions

Temperature:	26°C
Relative Humidity:	63%
ATM Pressure:	101kPa

The testing was performed by Jason Liu on 2023-06-21.

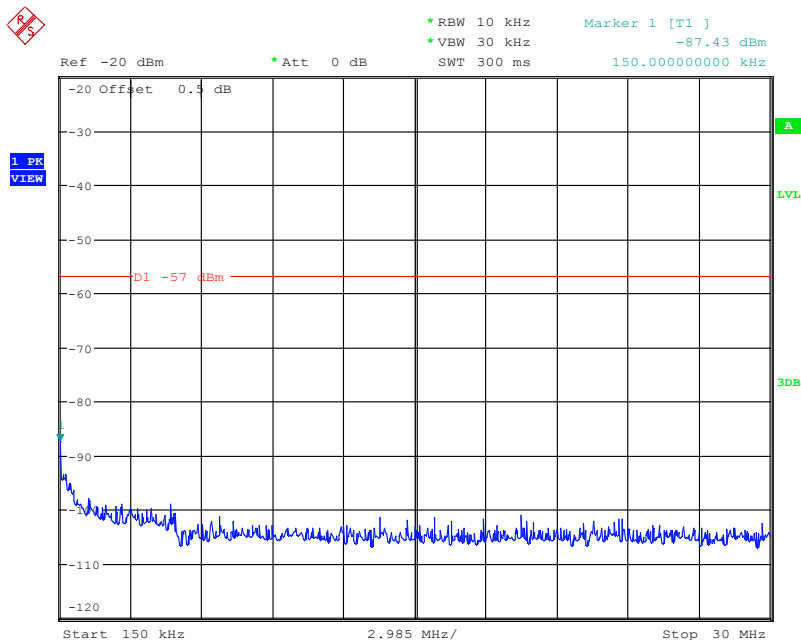
Test mode: receiver(worst case is mode 5)

Conducted Measurement(9kHz to 150kHz)



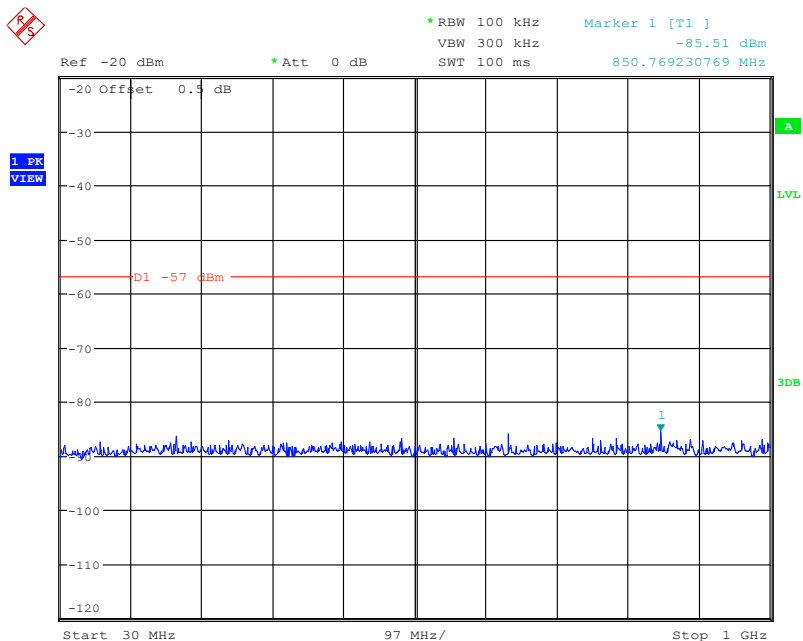
Date: 21.JUN.2023 13:49:16

Conducted Measurement(150kHz to 30MHz)



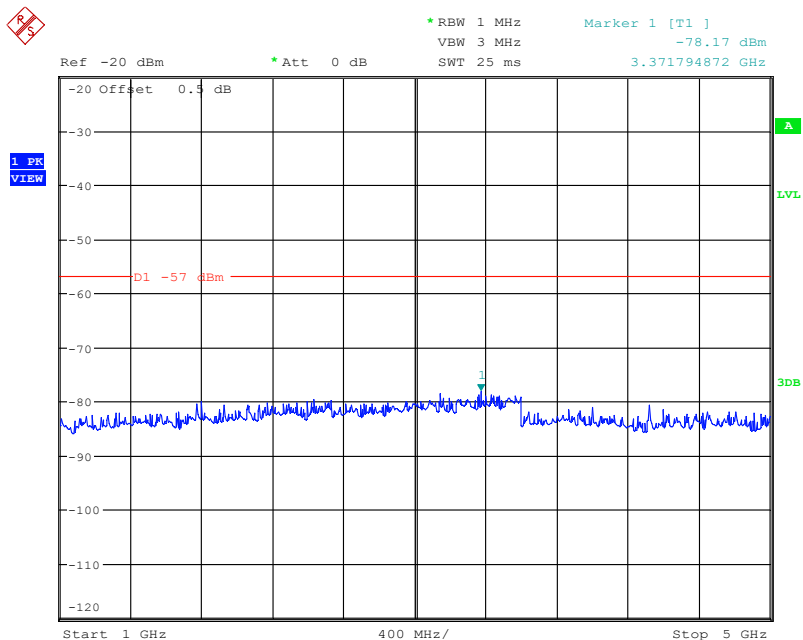
Date: 21.JUN.2023 13:49:49

Conducted Measurement(30MHz to 1GHz)



Date: 21.JUN.2023 13:50:33

Conducted Measurement(1GHz to 5GHz)



Date: 21.JUN.2023 13:51:13

7. FCC §15.121(B) - SCANNING RECEIVERS AND FREQUENCY CONVERTERS USED WITH SCANNING RECEIVERS

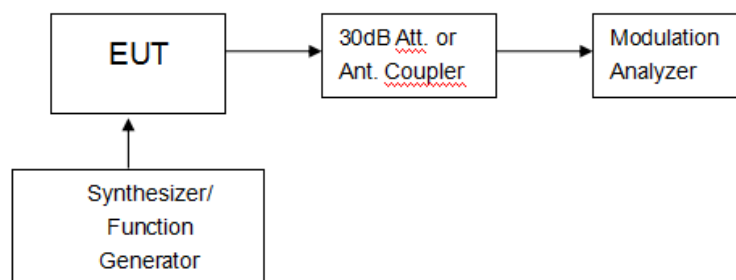
7.1.Applicable Standard

FCC §15.121(b)

Limit

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.

7.2.EUT Setup



7.3.Test Procedure

- 1) Connected the EUT as shown in the above block diagram.
- 2) Apply a RF signal to the receiver input port at lowest, middle and highest channel frequencies of receiver operation band.
- 3) Adjust the audio output level of the receiver to it's rated value with the distortion less than 10%.
- 4) Adjust the RF Signal Generator Output Power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB.This output level of the RF SG at each channel frequency is the sensitivity of the receiver.
- 5) Select the lowest or worse-case sensitivity level for all of the bands as the reference sensitivity.
- 6) Adjust the RF Signal Generator output to a level of +60 dB above the reference sensitivity obtained instep
- 5) and its frequency to the frequency points in the cellular band.
- 7) Set the Receiver squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level.
- 8) Set the receiver in a scanning mode and allow it to scan through it's complete receiving range.
- 9) If the receiver unsquelched 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 38dB.

10) Repeat above procedure at the frequencies 824, 836.0, and 849 MHz for the mobile band, and 869, 881.5, and 894 MHz for the cellular base band.

7.4. Test Data

7.4.1. Environmental Conditions

Temperature:	26°C
Relative Humidity:	63%
ATM Pressure:	101kPa

The testing was performed by Jason Liu on 2023-05-10.

Test mode: Scanning receiver

EUT’s Scanning Frequency Range (MHz)	Test Frequencies of Cellular Band (MHz)	Measurement Result (dB)	Limit (dB)
136-174	824, 836, 849, 869, 881.5, 894	52	>38
400-480	824, 836, 849, 869, 881.5, 894	49	>38

Note: Only the worst test result was recorded.

----- THE END OF TEST REPORT -----