NVLAP TESTING
NVLAP LAB CODE 600341-0

BACL Bay Area Compliance Labs Corp.

TEST REPORT

Applicant:	**WOUXUN COMMUNICATIONS LIMITED**
Address:	**11/F OFFICE A HARVARD COMMERCIAL BUILDING 105-111 THOMSON RD WAN CHAI HK, 999077 HONGKONG**
Product Name:	**TWO WAY RADIO(FRS RADIO)**
FCC ID:	**2BGESWX003**
Standard(s):	**FCC Part 15B ANSI C63.4-2014**
Report Number:	**2402Y27781E-RF-00A**
Report Date:	**2024/11/11**

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

Reviewed By: Pedro Yun	**Approved By:** Ivan Cao
Title: Project Engineer	Title: EMC Manager

Bay Area Compliance Laboratories Corp. (Dongguan)
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CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2402Y27781E-RF-00A	Original Report	2024/11/11

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

EUT Name:	TWO WAY RADIO(FRS RADIO)
EUT Model:	KG-705F
Multiple Model:	KG-705FX, KG-705F Plus, KG-715F, KG-715FX, KG-715F Plus
Highest Operation Frequency▲:	480MHz
Rated Input Voltage:	DC 7.4V from battery or DC 5V from Adapter
Serial Number:	2TGH-1
EUT Received Date:	2024/10/25
EUT Received Status:	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.	

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Adapter	Guangdong Sangu Technology Co., Ltd.	SG-PC20MU	Input: 100-240Vac 50/60Hz 0.6A Output: 5V 3A ; 9V 2.22A ;12 V 1.67A

1.3 Equipment Modifications

No modifications are made to the EUT during all test items.

2. SUMMARY OF TEST RESULTS

Standard Clause	Description of Test	Test Result
FCC§15.107	Conducted emissions	Compliant
FCC§15.109	Radiated emissions	Compliant
FCC§15.121(b)	Scanning receivers and frequency converters used with scanning receivers	Compliant

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency And Test Channel:

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
Scanning	400-480	400-480
UHF Receiving	400-480	400.0125, 440, 479.9875

3.2 Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user). The following summary table is showing all test modes to demonstrate in compliance with the standard:

Test Items	Test Mode(s)
Radiated Spurious Emission :	Test Mode 1: Charging &Scanning Test Mode 2: Charging &Receiving
AC Line Conducted Emission	Test Mode 1: Charging &Scanning Test Mode 2: Charging &Receiving

3.3 EUT Exercise Software

No software was used to test.

3.4 Support Equipment List and Details

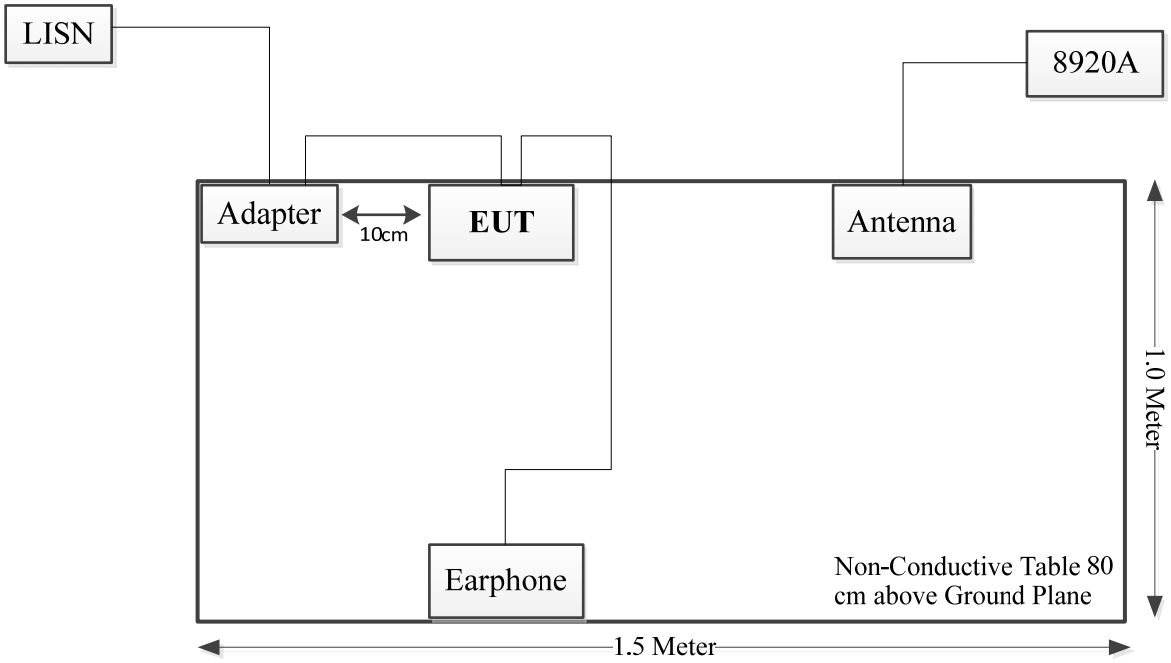
Manufacturer	Description	Model	Serial Number
HP	RF Communications Test Set	8920A	3438A05201
PO FUNG	Earphone	Unknown	2TGH-4
Unknown	Antenna	Unknown	Unknown

3.5 Support Cable List and Details

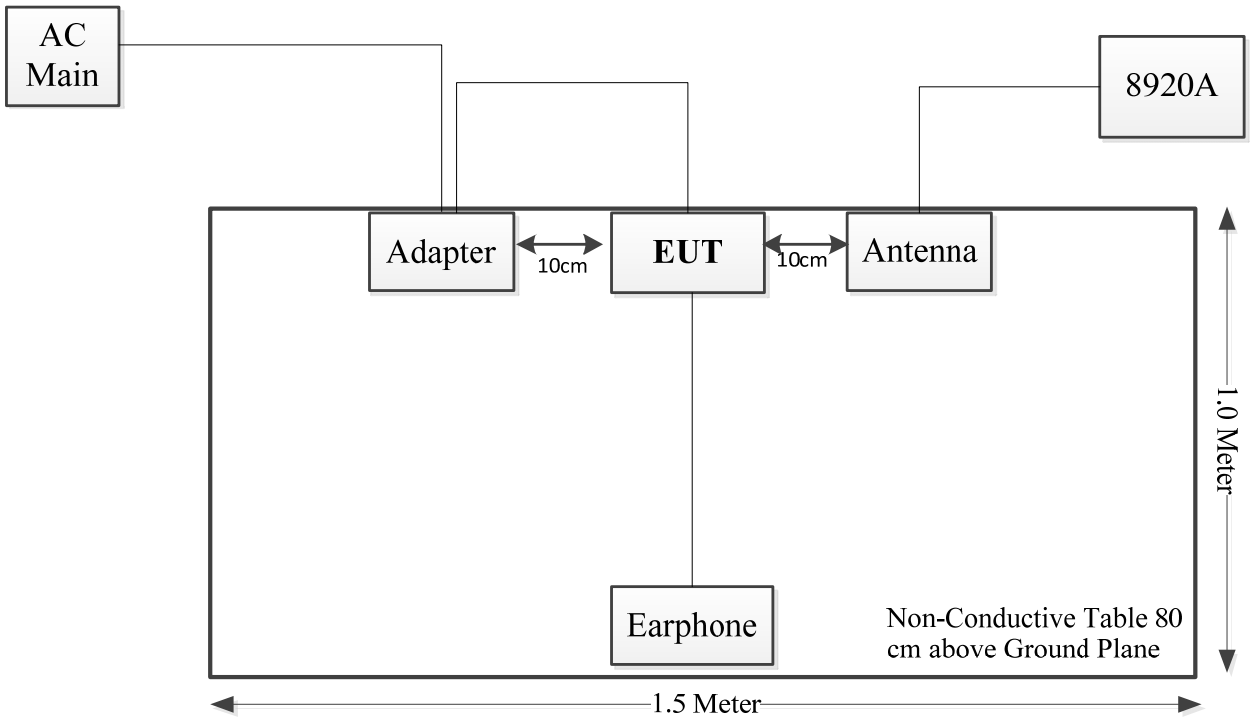
Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
Adapter Cable	No	No	1.0	Adapter	EUT
Earphone cable	No	No	1	Earphone	EUT
Antenna cable	No	No	10	Antenna	8920A

3.6 Block Diagram of Test Setup

AC Line conducted Emission:



Radiated Emission:



3.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia 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. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

3.8 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	9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz: 5.47 dB 26.5GHz~40GHz: 5.63 dB
AC Power Lines Conducted Emission	3.11 dB (150 kHz to 30 MHz)
Temperature	±1℃
Humidity	±5%

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

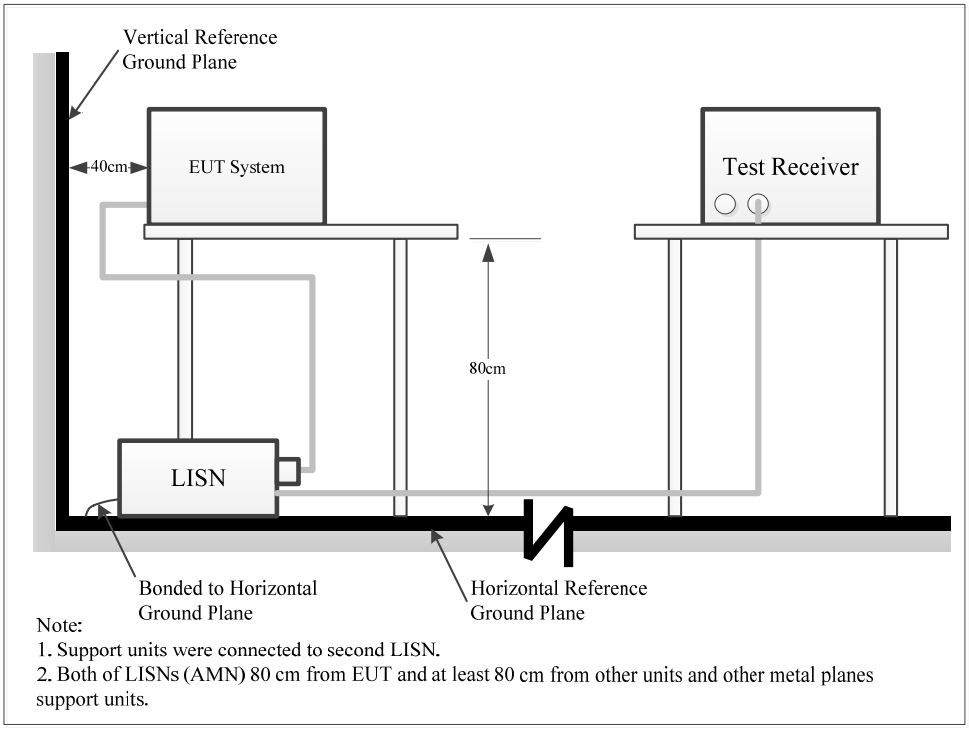
FCC§15.107

(a) Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15–0.5	66 to 56*	56 to 46*
0.5–5	56	46
5–30	60	50

*Decreases with the logarithm of the frequency.

4.1.2 EUT Setup



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

4.1.3 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

4.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

4.1.5 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

4.1.6 Test Result and Data

Serial Number:	2TGH-1	Test Date:	2024/10/30
Test Site:	CE	Test Mode:	Mode 1, Mode 2
Tester:	Yukin Qiu	Test Result:	Pass

Environmental Conditions:

Temperature: (℃)	27.7	Relative Humidity: (%)	47	ATM Pressure: (kPa)	101.3

Test Equipment List and Details:

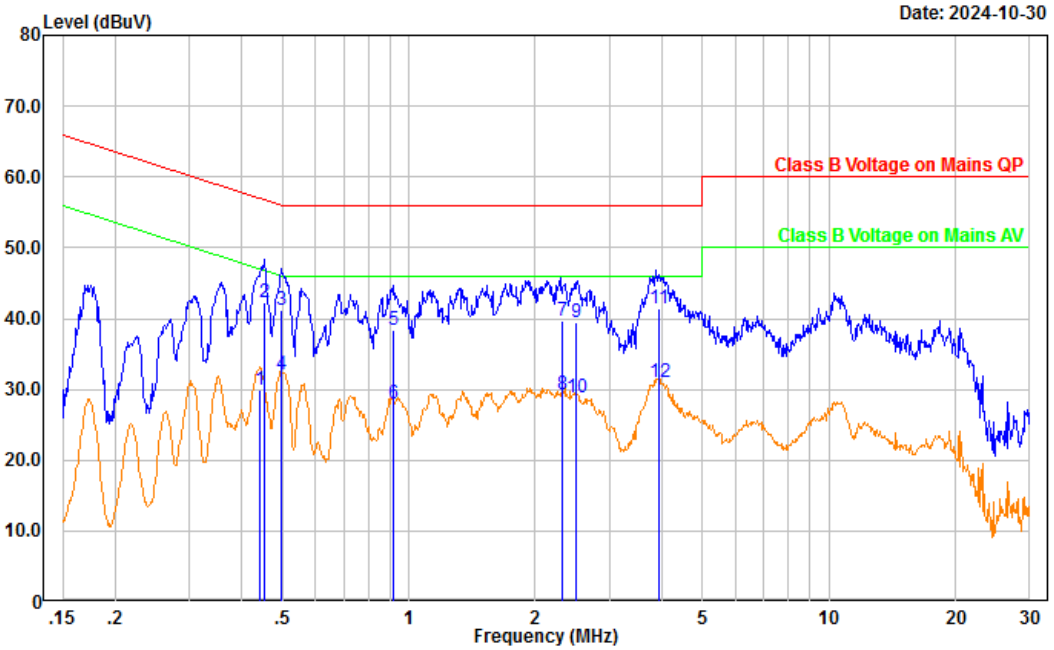
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2024/9/5	2025/9/4
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2024/9/5	2025/9/4
R&S	EMI Test Receiver	ESCI	100035	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Charging &Scanning Mode:

Project No.: 2402Y27781E-RF
Port: Line
Test Mode: M1
Note:

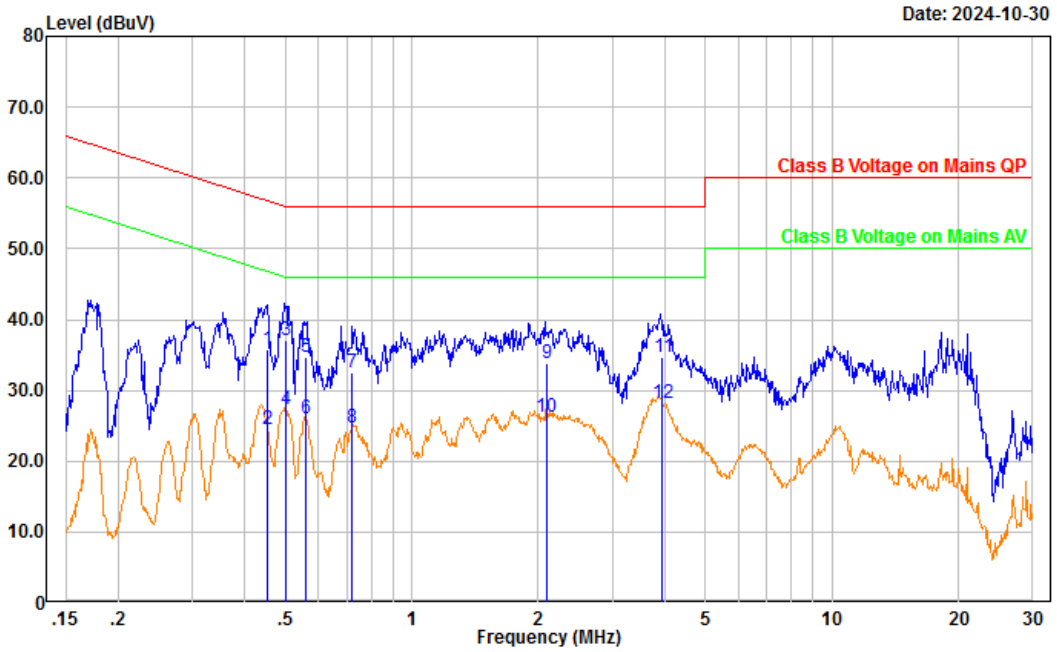
Serial No.: 2TGH-1
Tester: Yukin Qiu



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.443	19.13	10.84	29.97	47.01	17.04	Average
2	0.453	31.39	10.84	42.23	56.82	14.59	QP
3	0.499	30.40	10.84	41.24	56.02	14.78	QP
4	0.499	21.15	10.84	31.99	46.02	14.03	Average
5	0.921	27.58	10.86	38.44	56.00	17.56	QP
6	0.921	17.14	10.86	28.00	46.00	18.00	Average
7	2.325	28.95	10.81	39.76	56.00	16.24	QP
8	2.325	18.36	10.81	29.17	46.00	16.83	Average
9	2.505	28.57	10.80	39.37	56.00	16.63	QP
10	2.505	18.06	10.80	28.86	46.00	17.14	Average
11	3.936	30.60	10.76	41.36	56.00	14.64	QP
12	3.936	20.22	10.76	30.98	46.00	15.02	Average

Project No.: 2402Y27781E-RF
Port: neutral
Test Mode: M1
Note:

Serial No.: 2TGH-1
Tester: Yukin Qiu

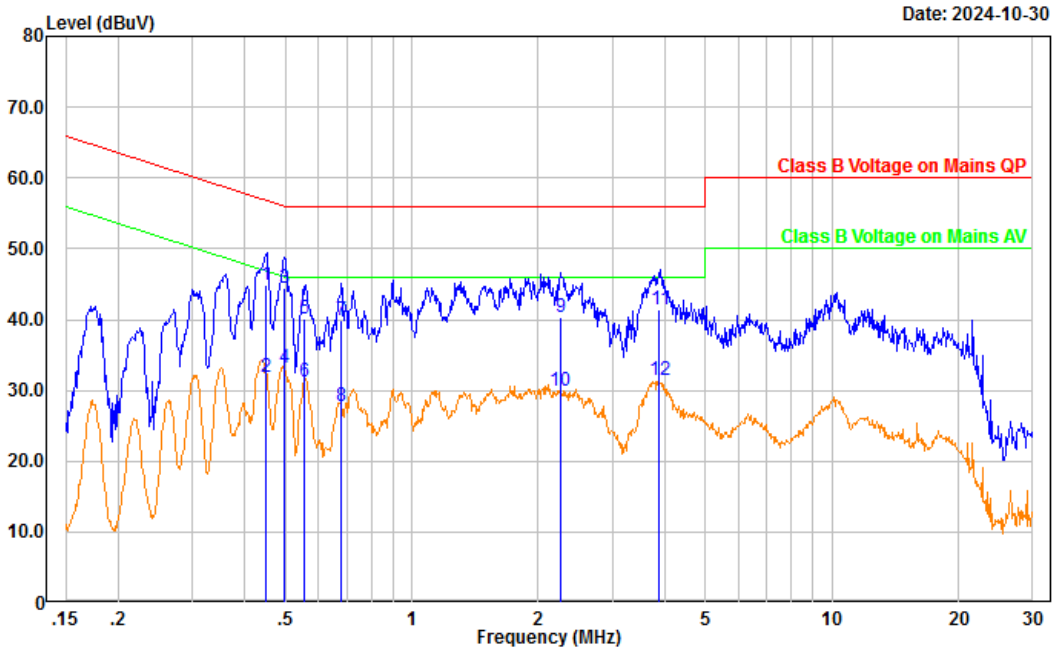


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.453	25.11	10.76	35.87	56.82	20.95	QP
2	0.453	13.75	10.76	24.51	46.82	22.31	Average
3	0.500	26.26	10.74	37.00	56.00	19.00	QP
4	0.500	16.53	10.74	27.27	46.00	18.73	Average
5	0.559	23.97	10.73	34.70	56.00	21.30	QP
6	0.559	15.37	10.73	26.10	46.00	19.90	Average
7	0.722	21.65	10.77	32.42	56.00	23.58	QP
8	0.722	13.95	10.77	24.72	46.00	21.28	Average
9	2.087	22.88	10.92	33.80	56.00	22.20	QP
10	2.087	15.27	10.92	26.19	46.00	19.81	Average
11	3.945	23.74	10.86	34.60	56.00	21.40	QP
12	3.945	17.28	10.86	28.14	46.00	17.86	Average

Charging &Receiving Mode(440MHz was tested):

Project No.: 2402Y27781E-RF
Port: Line
Test Mode: M2
Note:

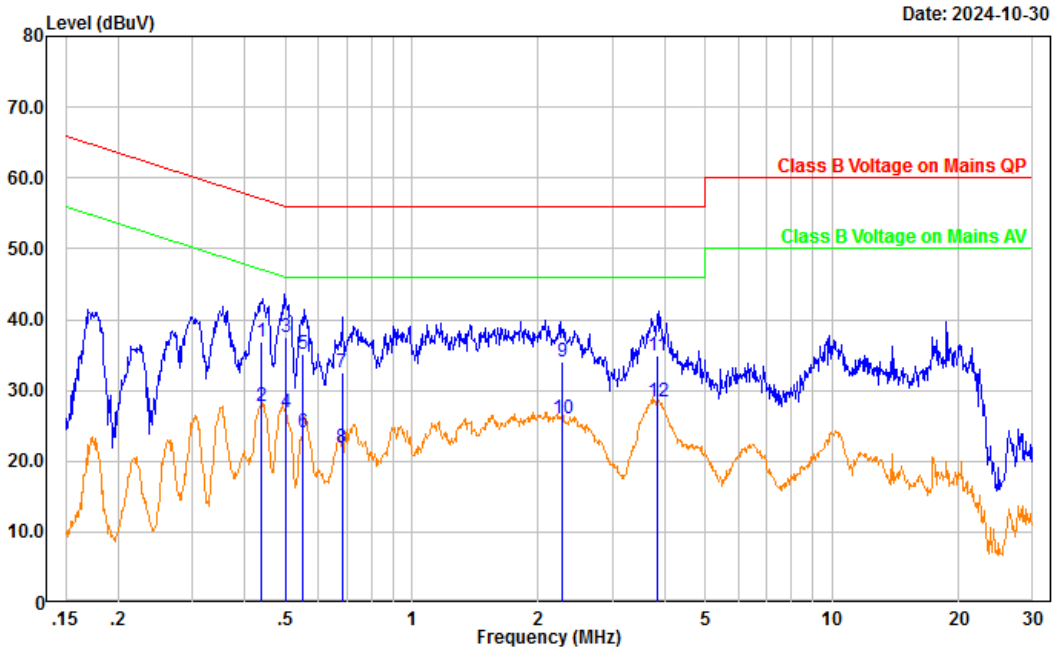
Serial No.: 2TGH-1
Tester: Yukin Qiu



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.451	34.05	10.84	44.89	56.86	11.97	QP
2	0.451	21.04	10.84	31.88	46.86	14.98	Average
3	0.498	33.53	10.84	44.37	56.03	11.66	QP
4	0.498	22.34	10.84	33.18	46.03	12.85	Average
5	0.557	29.37	10.83	40.20	56.00	15.80	QP
6	0.557	20.38	10.83	31.21	46.00	14.79	Average
7	0.680	29.08	10.85	39.93	56.00	16.07	QP
8	0.680	16.94	10.85	27.79	46.00	18.21	Average
9	2.251	29.50	10.82	40.32	56.00	15.68	QP
10	2.251	19.13	10.82	29.95	46.00	16.05	Average
11	3.882	30.57	10.77	41.34	56.00	14.66	QP
12	3.882	20.59	10.77	31.36	46.00	14.64	Average

Project No.: 2402Y27781E-RF
Port: neutral
Test Mode: M2
Note:

Serial No.: 2TGH-1
Tester: Yukin Qiu



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Detector
1	0.437	26.13	10.76	36.89	57.11	20.22	QP
2	0.437	17.08	10.76	27.84	47.11	19.27	Average
3	0.501	26.68	10.74	37.42	56.00	18.58	QP
4	0.501	16.19	10.74	26.93	46.00	19.07	Average
5	0.550	24.49	10.73	35.22	56.00	20.78	QP
6	0.550	13.43	10.73	24.16	46.00	21.84	Average
7	0.682	21.86	10.75	32.61	56.00	23.39	QP
8	0.682	11.21	10.75	21.96	46.00	24.04	Average
9	2.271	23.08	10.92	34.00	56.00	22.00	QP
10	2.271	15.07	10.92	25.99	46.00	20.01	Average
11	3.831	23.94	10.87	34.81	56.00	21.19	QP
12	3.831	17.60	10.87	28.47	46.00	17.53	Average

4.2 Radiation Spurious Emissions

4.2.1 Applicable Standard

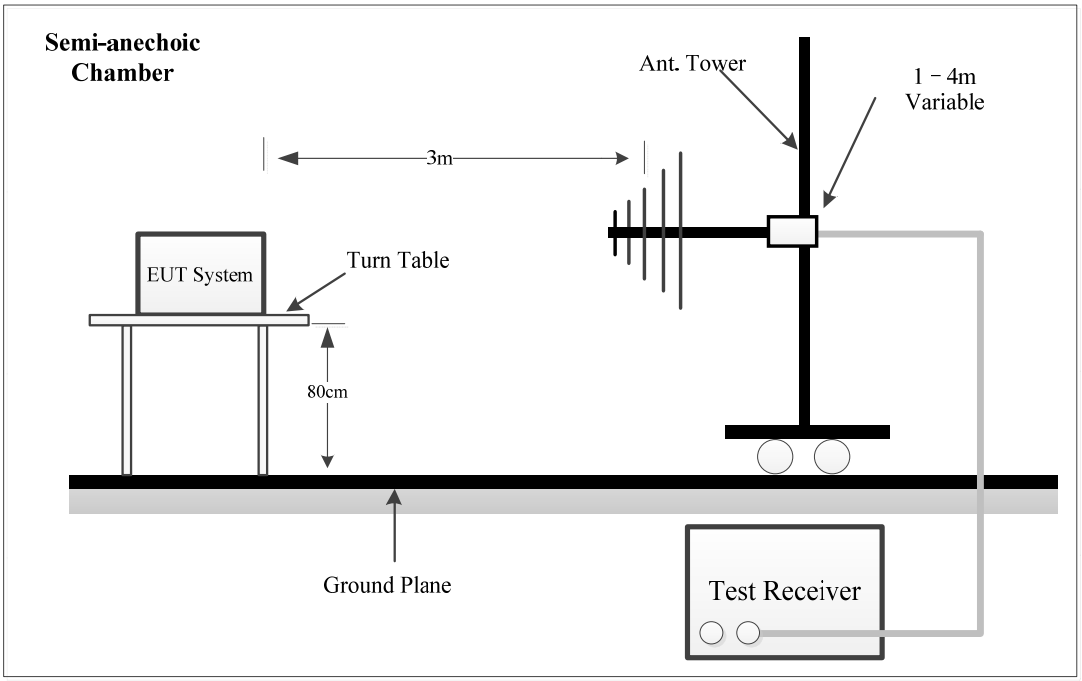
FCC§15.109

(a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

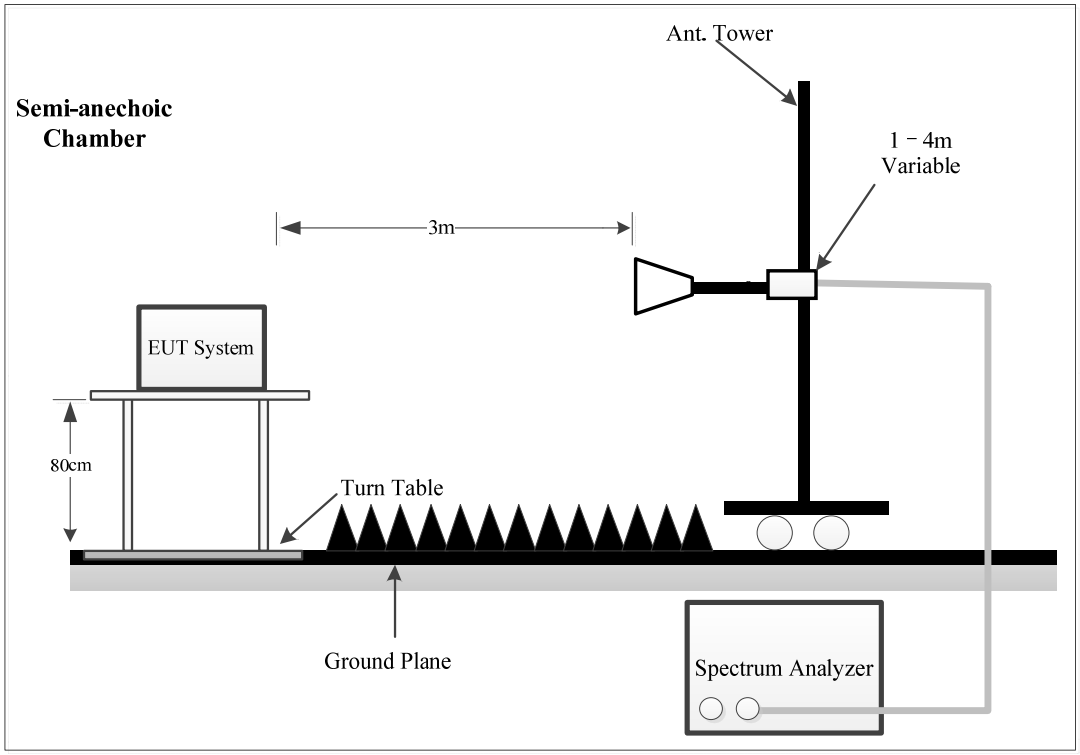
Frequency of emission (MHz)	Field strength (microvolts/meter)
30–88	100
88–216	150
216–960	200
Above 960	500

4.2.2 Test System Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed at the 3 meters distance, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15B Class B limits.

4.2.3 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
30MHz – 1000 MHz	100 kHz	300 kHz	/	Peak
	/	/	120kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	10Hz	/	AVG

4.2.4 Test Procedure

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, peak and average detection mode above 1 GHz.

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

4.2.5 Corrected Result & 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

4.2.6 Test Result and Data

Serial Number:	2TGH-1	Test Date:	2024/11/1
Test Site:	Chamber A, Chamber10m	Test Mode:	Mode 1, Mode 2
Tester:	Alan Xie, Leesin Xiang	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.8~26	Relative Humidity: (%)	35~42	ATM Pressure: (kPa)	101

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Hybrid Antenna	JB3	A060611-1	2023/9/6	2026/9/5
Narda	Coaxial Attenuator	779-6dB	04269	2023/9/6	2026/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2024/7/1	2025/6/30
Sonoma	Amplifier	310N	185914	2024/8/26	2025/8/25
R&S	EMI Test Receiver	ESCI	100224	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A
AH	Horn Antenna	SAS-571	1177	2023/2/22	2026/2/21
HUBER+SUHNER	Coaxial Cable	SUCOFLEX 126EA	MY369/26/26EA	2024/7/1	2025/6/30
Mini-Circuits	Preamplifier	ZVZ-183-S+	5696001267	2024/3/1	2025/2/28
Agilent	Spectrum Analyzer	E4440A	MY44303352	2024/10/17	2025/10/16

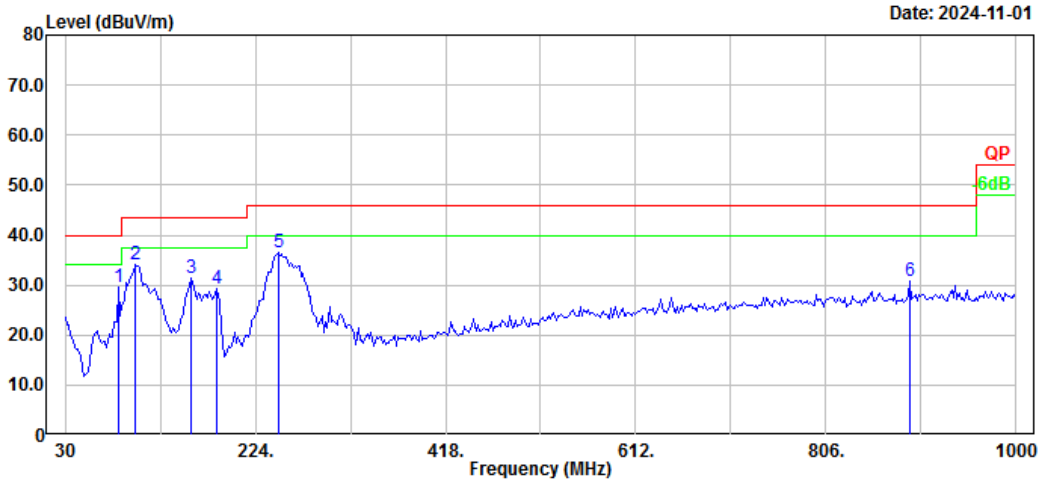
** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

1) 30MHz-1GHz:

Charging &Scanning Mode:

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M1
Note:

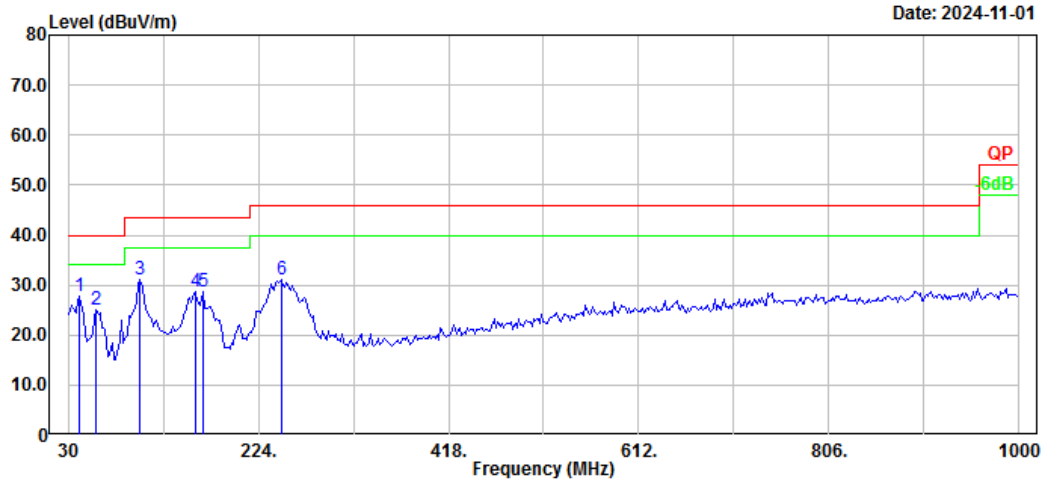
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	84.32	46.06	-16.62	29.44	40.00	10.56	Peak
2	101.78	47.88	-13.86	34.02	43.50	9.48	Peak
3	158.04	42.65	-11.13	31.52	43.50	11.98	Peak
4	185.20	41.46	-12.24	29.22	43.50	14.28	Peak
5	247.28	48.19	-11.52	36.67	46.00	9.33	Peak
6	891.36	29.53	1.32	30.85	46.00	15.15	Peak

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M1
Note:

Serial No.: 2TGH-1
Tester: Leesin Xiang

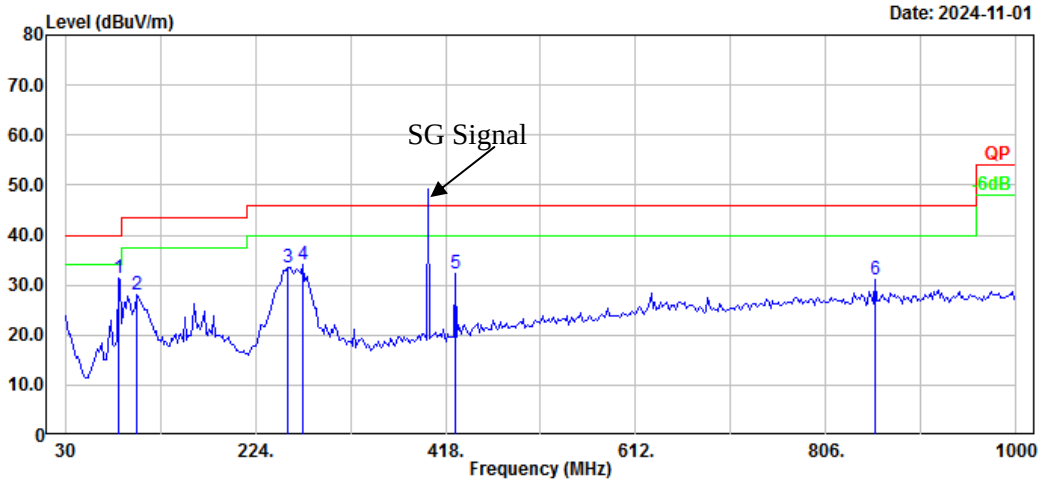


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	41.64	39.50	-11.82	27.68	40.00	12.32	Peak
2	59.10	41.59	-16.63	24.96	40.00	15.04	Peak
3	103.72	44.23	-13.27	30.96	43.50	12.54	Peak
4	159.98	39.77	-11.15	28.62	43.50	14.88	Peak
5	167.74	40.27	-11.64	28.63	43.50	14.87	Peak
6	247.28	42.67	-11.52	31.15	46.00	14.85	Peak

Charging &Receiving Mode:

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M2
Note: 400.0125MHz

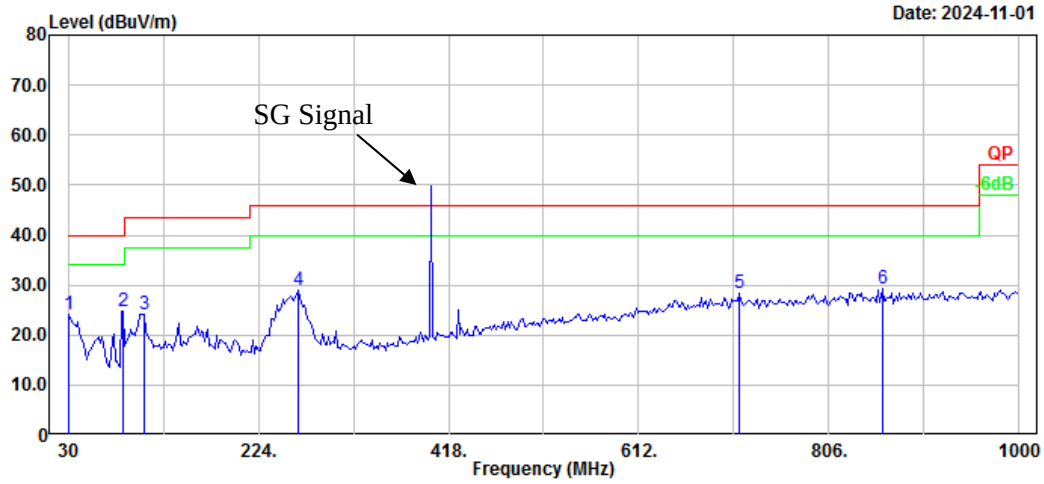
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	84.32	47.89	-16.62	31.27	40.00	8.73	Peak
2	103.72	41.41	-13.27	28.14	43.50	15.36	Peak
3	256.98	44.66	-11.22	33.44	46.00	12.56	Peak
4	272.50	44.19	-9.98	34.21	46.00	11.79	Peak
5	427.70	38.50	-6.23	32.27	46.00	13.73	Peak
6	856.44	30.08	0.96	31.04	46.00	14.96	Peak

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M2
Note: 400.0125MHz

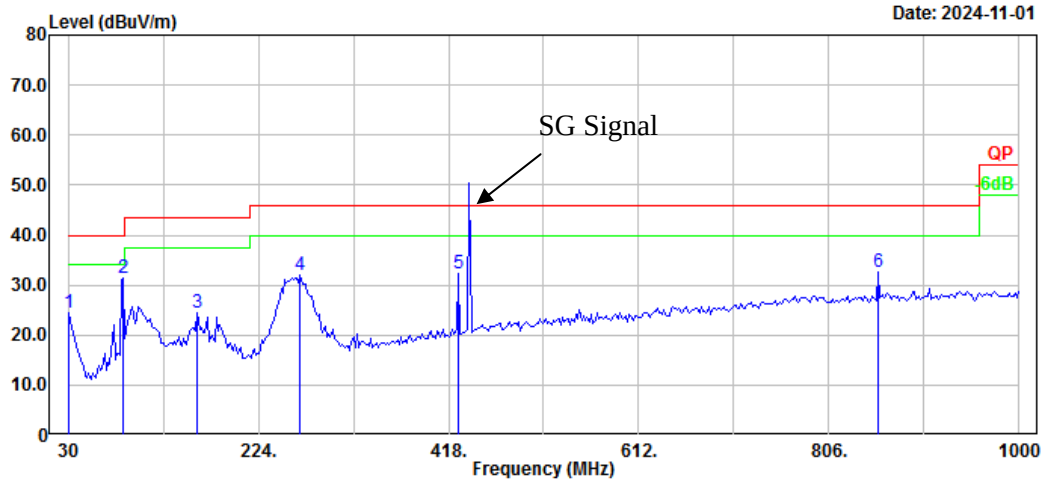
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.00	27.88	-3.80	24.08	40.00	15.92	Peak
2	86.26	41.45	-16.62	24.83	40.00	15.17	Peak
3	107.60	36.28	-12.09	24.19	43.50	19.31	Peak
4	264.74	39.70	-10.63	29.07	46.00	16.93	Peak
5	714.82	29.51	-1.00	28.51	46.00	17.49	Peak
6	860.32	28.17	1.00	29.17	46.00	16.83	Peak

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M2
Note: 440MHz

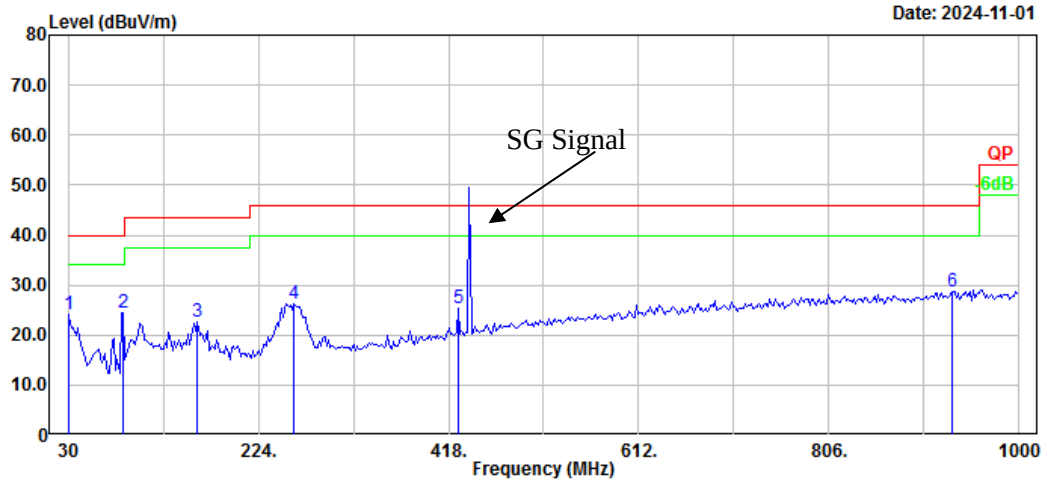
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.00	28.40	-3.80	24.60	40.00	15.40	Peak
2	86.26	48.07	-16.62	31.45	40.00	8.55	Peak
3	161.92	35.81	-11.27	24.54	43.50	18.96	Peak
4	266.68	42.51	-10.43	32.08	46.00	13.92	Peak
5	427.70	38.61	-6.23	32.38	46.00	13.62	Peak
6	856.44	31.67	0.96	32.63	46.00	13.37	Peak

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M2
Note: 440MHz

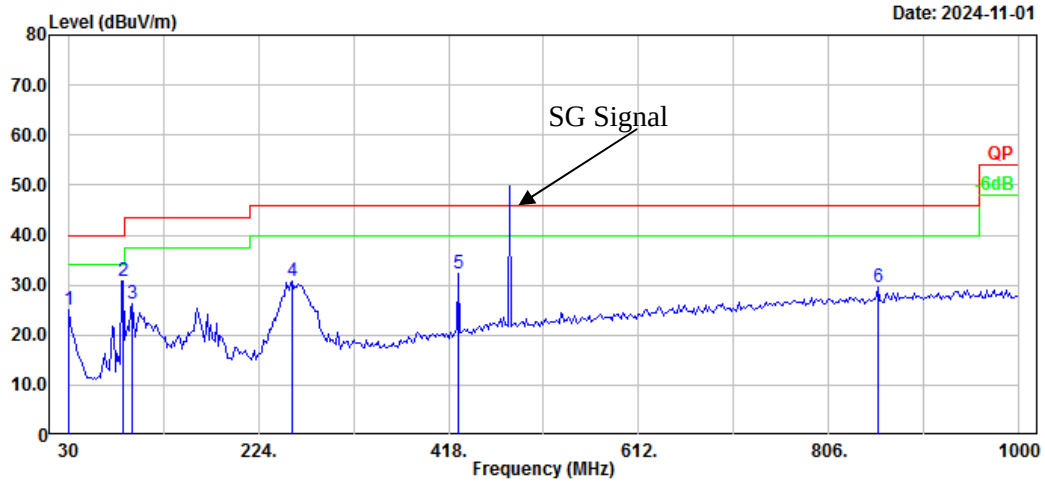
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.00	27.90	-3.80	24.10	40.00	15.90	Peak
2	86.26	41.19	-16.62	24.57	40.00	15.43	Peak
3	161.92	34.03	-11.27	22.76	43.50	20.74	Peak
4	260.86	37.31	-11.04	26.27	46.00	19.73	Peak
5	427.70	31.46	-6.23	25.23	46.00	20.77	Peak
6	932.10	27.01	1.81	28.82	46.00	17.18	Peak

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M2
Note: 479.9875MHz

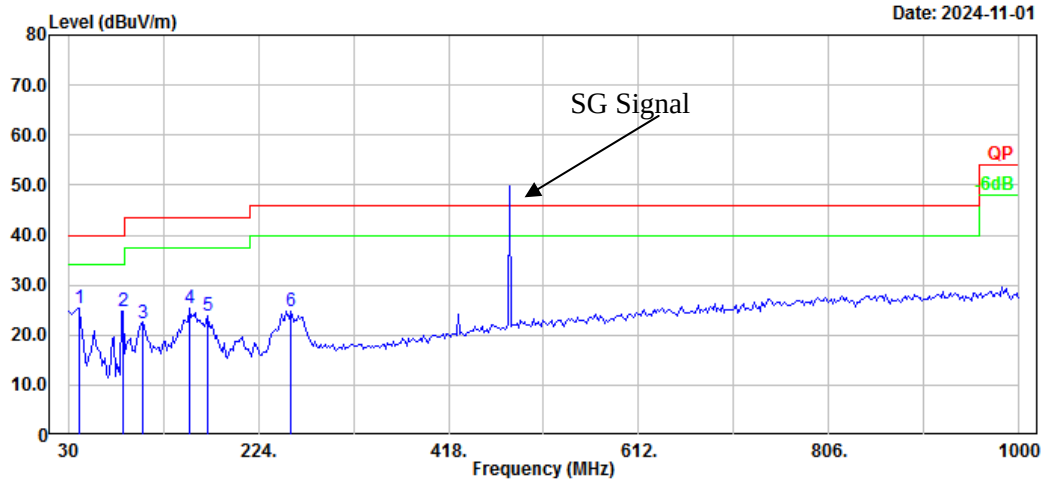
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	30.00	28.79	-3.80	24.99	40.00	15.01	Peak
2	86.26	47.38	-16.62	30.76	40.00	9.24	Peak
3	95.96	41.52	-15.22	26.30	43.50	17.20	Peak
4	258.92	42.08	-11.15	30.93	46.00	15.07	Peak
5	427.70	38.68	-6.23	32.45	46.00	13.55	Peak
6	856.44	28.75	0.96	29.71	46.00	16.29	Peak

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M2
Note: 479.9875MHz

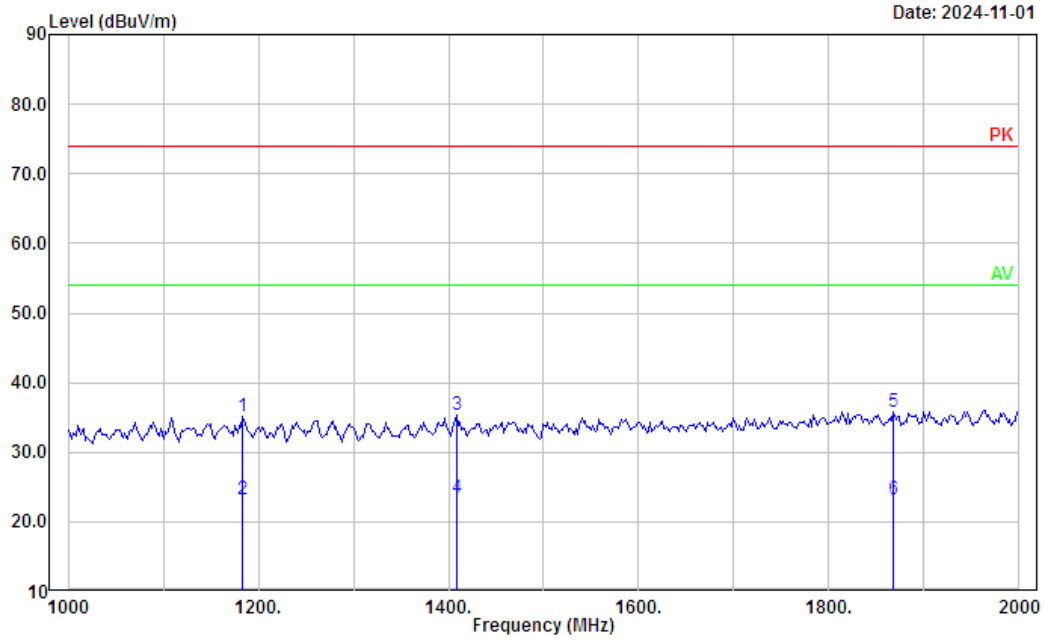
Serial No.: 2TGH-1
Tester: Leesin Xiang



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	41.64	37.28	-11.82	25.46	40.00	14.54	Peak
2	86.26	41.36	-16.62	24.74	40.00	15.26	Peak
3	105.66	35.17	-12.68	22.49	43.50	21.01	Peak
4	154.16	36.36	-11.09	25.27	43.50	18.23	Peak
5	171.62	35.62	-11.87	23.75	43.50	19.75	Peak
6	256.98	36.12	-11.22	24.90	46.00	21.10	Peak

2) 1GHz-2GHz:
Charging &Scanning Mode:

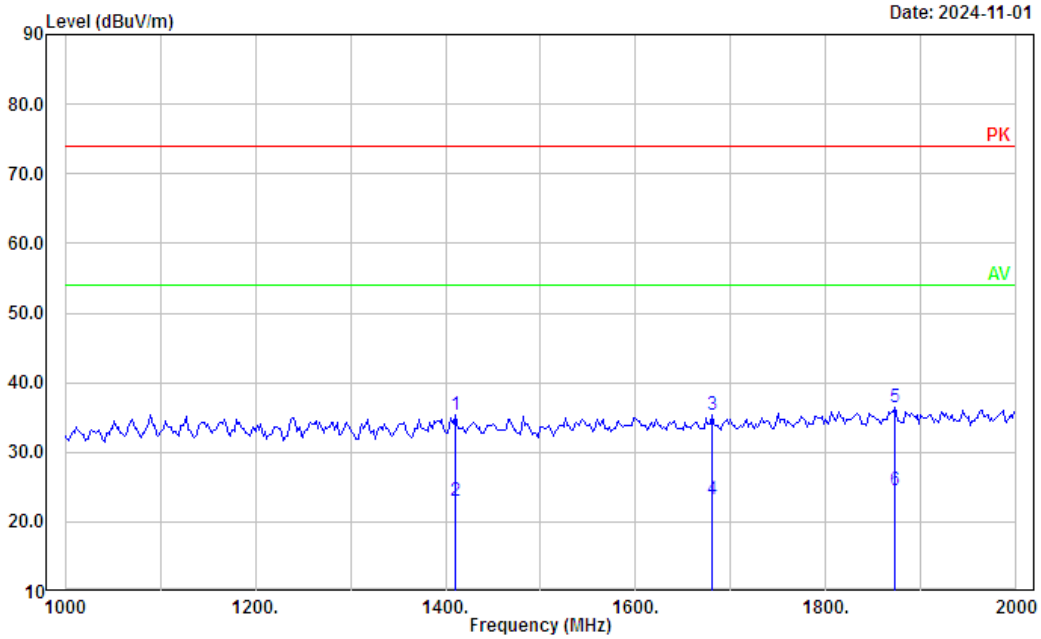
Project No.: 2402Y27781E-RF Serial No.: 2TGH-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: M1
Note:



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1184.00	36.25	-1.12	35.13	74.00	38.87	Peak
2	1184.00	24.33	-1.12	23.21	54.00	30.79	Average
3	1408.00	36.02	-0.73	35.29	74.00	38.71	Peak
4	1408.00	24.16	-0.73	23.43	54.00	30.57	Average
5	1868.00	34.94	0.91	35.85	74.00	38.15	Peak
6	1868.00	22.39	0.91	23.30	54.00	30.70	Average

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M1
Note:

Serial No.: 2TGH-1
Tester: Alan Xie

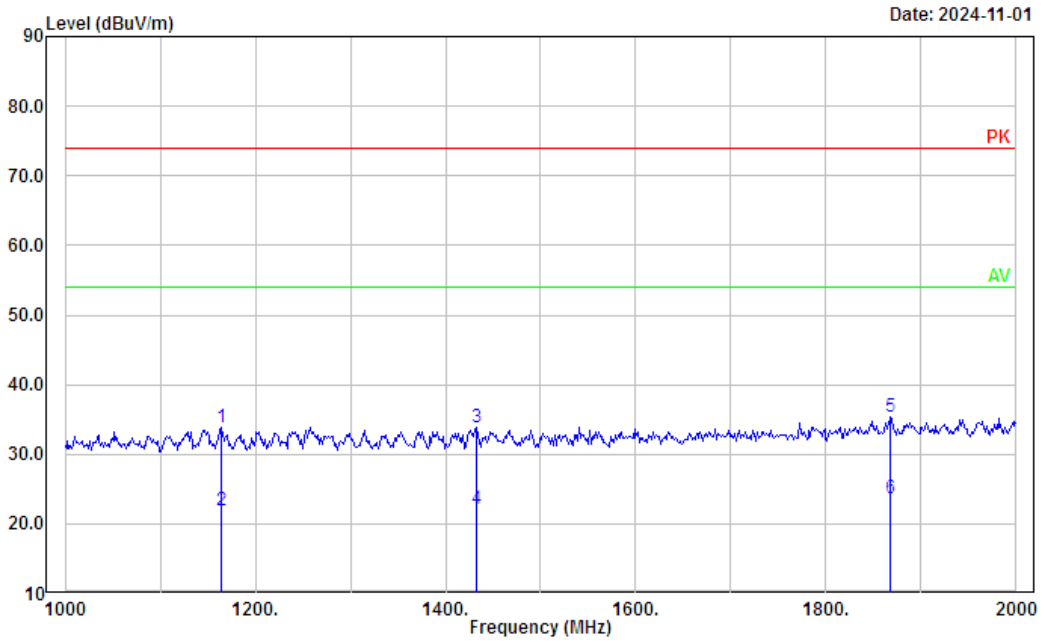


No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1410.00	35.99	-0.72	35.27	74.00	38.73	Peak
2	1410.00	23.77	-0.72	23.05	54.00	30.95	Average
3	1680.00	35.60	-0.18	35.42	74.00	38.58	Peak
4	1680.00	23.45	-0.18	23.27	54.00	30.73	Average
5	1872.00	35.52	0.93	36.45	74.00	37.55	Peak
6	1872.00	23.67	0.93	24.60	54.00	29.40	Average

Charging &Receiving Mode:

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M2
Note: 400.0125MHz

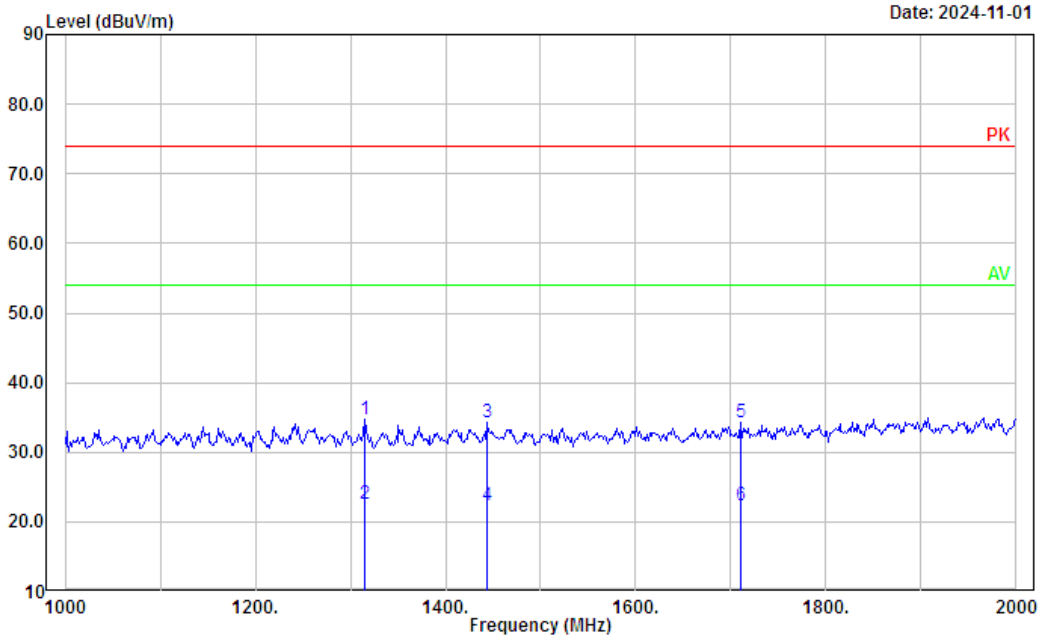
Serial No.: 2TGH-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1163.77	34.80	-0.95	33.85	74.00	40.15	Peak
2	1163.77	22.77	-0.95	21.82	54.00	32.18	Average
3	1431.88	34.42	-0.50	33.92	74.00	40.08	Peak
4	1431.88	22.54	-0.50	22.04	54.00	31.96	Average
5	1868.12	34.42	0.92	35.34	74.00	38.66	Peak
6	1868.12	22.85	0.92	23.77	54.00	30.23	Average

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M2
Note: 400.0125MHz

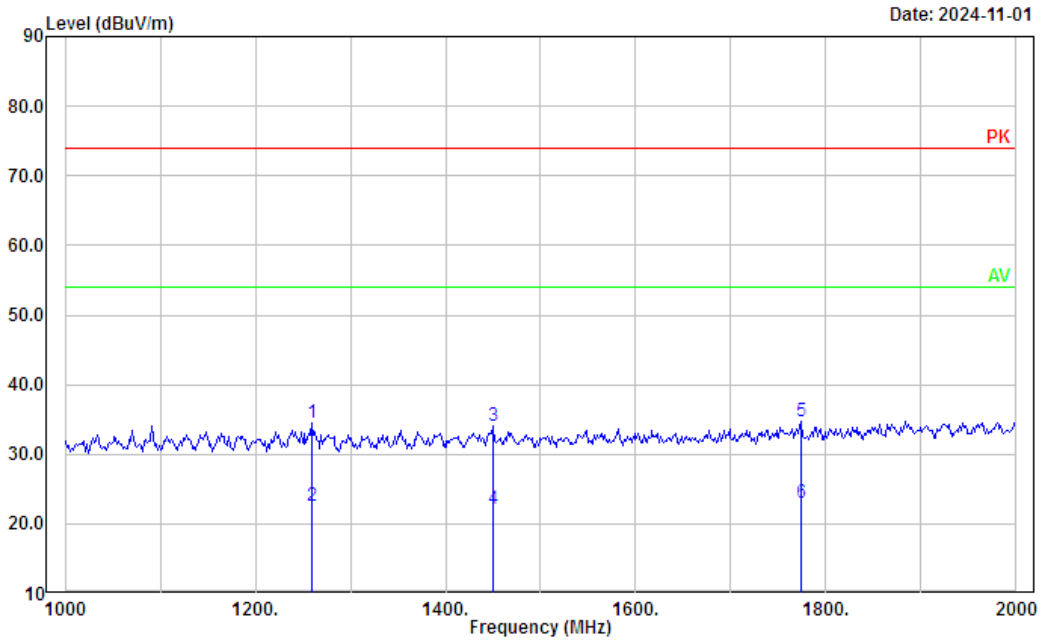
Serial No.: 2TGH-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1314.49	35.75	-1.14	34.61	74.00	39.39	Peak
2	1314.49	23.61	-1.14	22.47	54.00	31.53	Average
3	1443.48	34.76	-0.39	34.37	74.00	39.63	Peak
4	1443.48	22.83	-0.39	22.44	54.00	31.56	Average
5	1710.15	34.37	0.00	34.37	74.00	39.63	Peak
6	1710.15	22.46	0.00	22.46	54.00	31.54	Average

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M2
Note: 440MHz

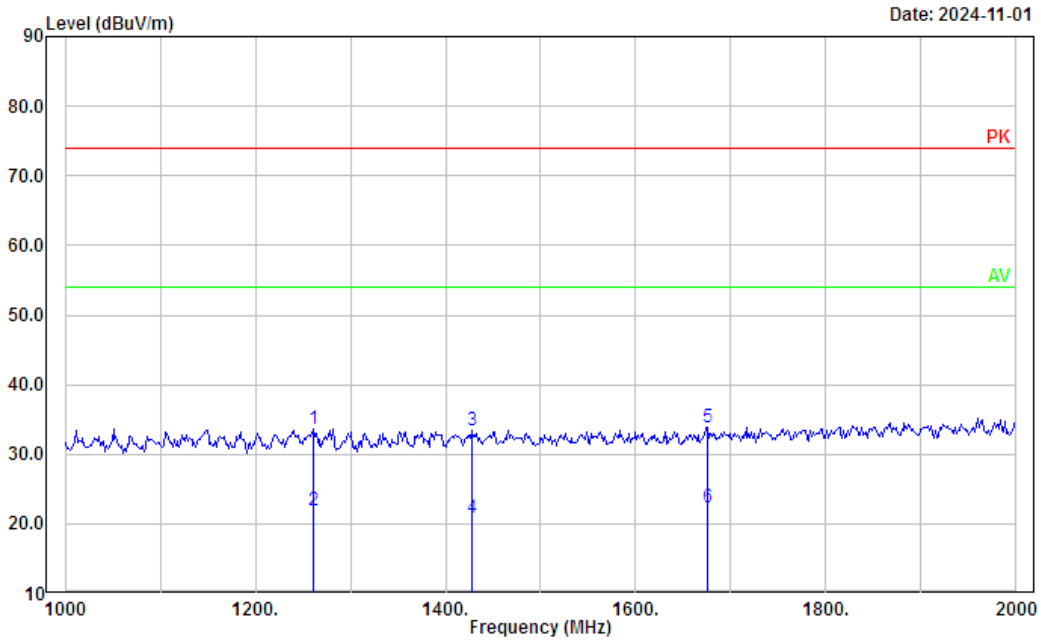
Serial No.: 2TGH-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1259.42	35.11	-0.71	34.40	74.00	39.60	Peak
2	1259.42	23.35	-0.71	22.64	54.00	31.36	Average
3	1449.28	34.36	-0.34	34.02	74.00	39.98	Peak
4	1449.28	22.48	-0.34	22.14	54.00	31.86	Average
5	1773.91	34.44	0.26	34.70	74.00	39.30	Peak
6	1773.91	22.83	0.26	23.09	54.00	30.91	Average

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M2
Note: 440MHz

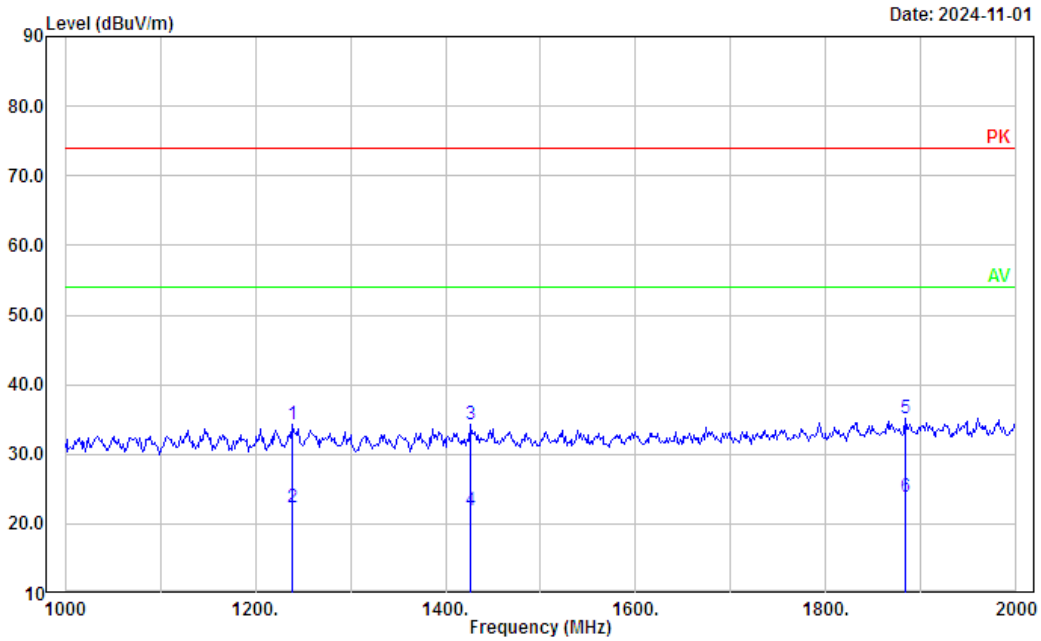
Serial No.: 2TGH-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1260.87	34.40	-0.73	33.67	74.00	40.33	Peak
2	1260.87	22.62	-0.73	21.89	54.00	32.11	Average
3	1427.54	33.89	-0.55	33.34	74.00	40.66	Peak
4	1427.54	21.38	-0.55	20.83	54.00	33.17	Average
5	1675.36	34.12	-0.21	33.91	74.00	40.09	Peak
6	1675.36	22.51	-0.21	22.30	54.00	31.70	Average

Project No.: 2402Y27781E-RF
Polarization: Horizontal
Test Mode: M2
Note: 479.9875MHz

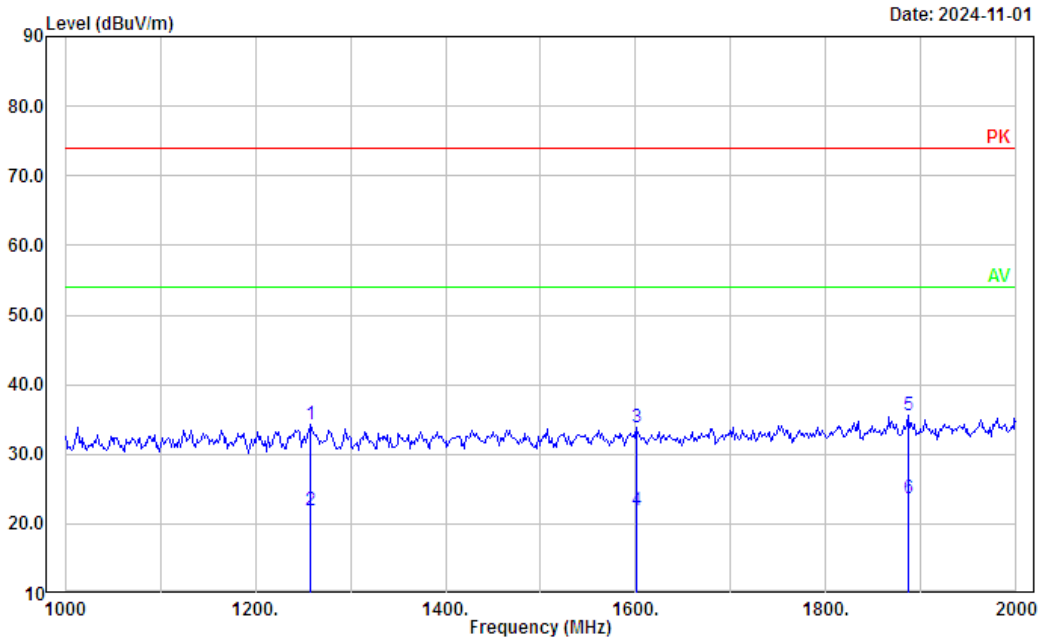
Serial No.: 2TGH-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1239.13	35.05	-0.73	34.32	74.00	39.68	Peak
2	1239.13	23.16	-0.73	22.43	54.00	31.57	Average
3	1426.09	34.78	-0.56	34.22	74.00	39.78	Peak
4	1426.09	22.47	-0.56	21.91	54.00	32.09	Average
5	1884.06	34.30	0.94	35.24	74.00	38.76	Peak
6	1884.06	22.97	0.94	23.91	54.00	30.09	Average

Project No.: 2402Y27781E-RF
Polarization: Vertical
Test Mode: M2
Note: 479.9875MHz

Serial No.: 2TGH-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBµV)	Factor (dB/m)	Result (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector
1	1257.97	34.90	-0.69	34.21	74.00	39.79	Peak
2	1257.97	22.58	-0.69	21.89	54.00	32.11	Average
3	1601.45	34.12	-0.38	33.74	74.00	40.26	Peak
4	1601.45	22.35	-0.38	21.97	54.00	32.03	Average
5	1886.96	34.54	0.95	35.49	74.00	38.51	Peak
6	1886.96	22.69	0.95	23.64	54.00	30.36	Average

4.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers

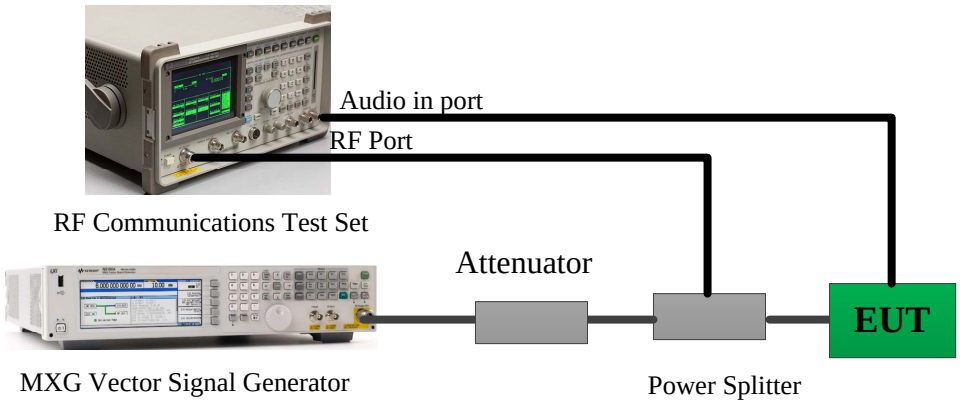
4.3.1 Applicable Standard

FCC §15.121(b).

(b) Except as provided in paragraph (c) of this section, scanning receivers shall reject any signals from the Cellular Radiotelephone Service frequency bands that are 38 dB or lower based upon a 12 dB SINAD measurement, which is considered the threshold where a signal can be clearly discerned from any interference that may be present.

4.3.2 Test Procedure

1. Connected the EUT as the below block diagram;



2. Apply a signal to the EUT antenna port at lowest, middle, highest channel frequencies of the operating band;
3. Adjust the audio output level of the EUT to it's rated value with the distortion less than 10%;
4. Adjust the 8920 output power to produce 12 dB SINAD without the audio output power dropping by more than 3 dB; These output level of the 8920 at each channel frequency is the sensitivity of the EUT;
5. Select the lowest or worst case sensitivity level for all of the bands as the reference sensitivity;
6. Adjust the Signal Generator output to a level of +60 dB above the reference sensitivity obtained in step 5 and its frequency to the frequency point in the Cellular Band;
7. Set the EUT squelch to threshold, the signal required to open the squelch must be lower than the reference sensitivity level;
8. Set the EUT in a scanning mode and allow it to scan through it's complete receiving range;
9. If the EUT un-squelched or stopped on any frequency, receiving at this frequency, then adjust the signal generator output level until 12 dB SINAD is produced, this level is the spurious value and the difference between the reference sensitivity and the spurious value is the rejection ratio and must be at least 38 dB;
10. Repeat above procedure at the frequencies 824, 836, 849 MHz for the mobile band, and 869, 881.5 and 894 MHz for the Cellular Base Band.

4.3.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers

Serial Number:	2TGH-1	Test Date:	2024/11/7
Test Site:	RF	Test Mode:	Scanning
Tester:	Stu Song	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	24.5	Relative Humidity: (%)	36	ATM Pressure: (kPa)	102.1

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Micro-Coax	Coaxial Cable	UFA210B	99G1448	2024/9/5	2025/9/4
Micro-Coax	Coaxial Cable	UFB205A	323308-024	2024/1/2	2025/1/1
Micro-Coax	Coaxial Cable	UFB205A	323308-015	2024/1/2	2025/1/1
Huaxiang	Coaxial Attenuator	DTS250-30	11022109	2024/6/7	2025/6/6
HP	RF Communications Test Set	8920A	3438A05201	2024/10/17	2025/10/16
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2024/8/26	2025/8/25
Mini-Circuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2024/2/25	2025/2/24

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

Scanning Frequency Range (MHz)	Test Frequency (MHz)	Measurement Result (dB)	Limit (dB)
400-480	824, 836, 849, 869, 881.5, 894	46	>38

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402Y27781E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402Y27781E-RF-INP EUT INTERNAL PHOTOGRAPHS

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402Y27781E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

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