

TEST REPORT

Applicant: PO FUNG ELECTRONIC (HK) INTERNATIONAL GROUP
COMPANY LIMITED

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Product Name: Amateur Radio

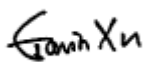
FCC ID: 2AJGM-UV17H

Standard(s): FCC Part 15B
ANSI C63.4-2014

Report Number: XMTN1240117-04004E-RF-00A

Report Date: 2024/3/13

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



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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	XMTN1240117-04004E-RF-00A	Original Report	2024/3/13

1. GENERAL INFORMATION

1.1 General Description Of Equipment Under Test

Product Name:	Amateur Radio
Test Model:	UV-17H
Multiple Models:	UV-17G, BF-17H, BF-17G, GP17H, AR17G
Highest Operation Frequency:	520 MHz
Rated Input Voltage:	DC 7.4V from battery or DC 5V from USB port
Serial Number:	2GSG-2
EUT Received Date:	2024/1/26
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
/	/	/	/

1.3 Equipment Modifications

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

2. DESCRIPTION OF TEST CONFIGURATION

2.1 Operation Frequency And Test Channel:

Operation Modes	Operation Frequency Range (MHz)	Test Frequency (MHz)
VHF Receiving	108-136	108.0125, 122, 135.9875
	136-174	136.0125, 155, 173.9875
	220-260	220.0125, 240, 259.9875
UHF Receiving	350-390	350.0125, 370, 389.9875
	400-520	400.0125, 460, 519.9875
Scanning	108-136	108-136
	136-174	136-174
	220-260	220-260
	350-390	350-390
	400-520	400-520

2.2 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: Scanning Test Mode 2: Receiving
AC Line Conducted Emission	Test Mode 1: Scanning Test Mode 2: Receiving

2.3 EUT Exercise Software

No software was used to test.

2.4 Support Equipment List and Details

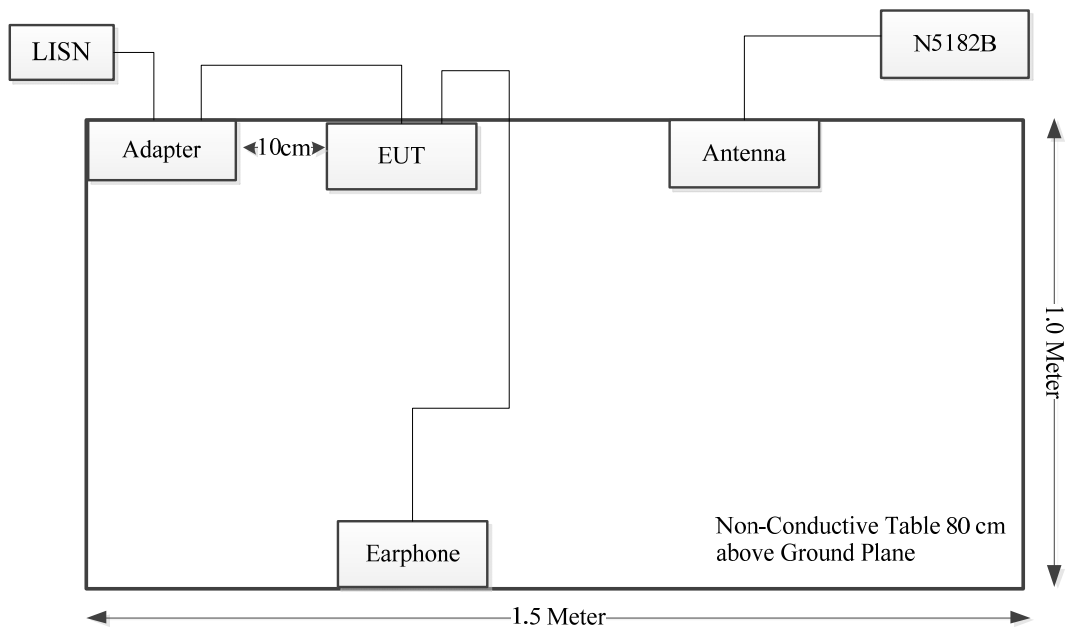
Manufacturer	Description	Model	Serial Number
Agilent	MXG Vector Signal Generator	N5182B	MY51350142
PO FUNG	Earphone	Unknown	2GSG-5
TIANYIN ELECTRONICS	Adapter	TPA-46050200VU	EMZBUA21110201EN

2.5 Support Cable List and Details

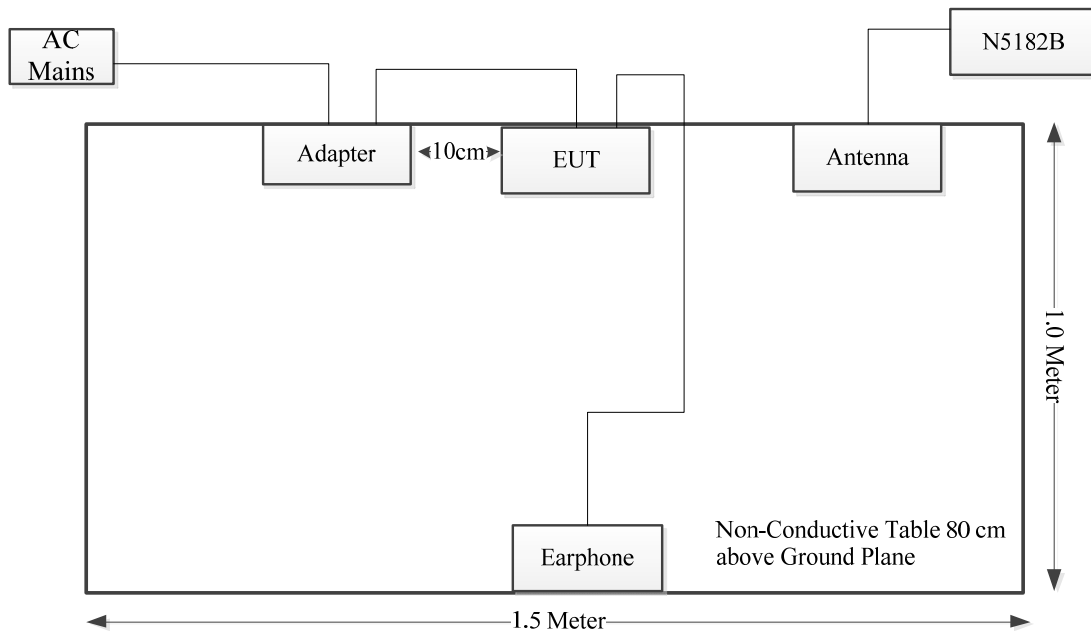
Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
Coaxial Cable	No	No	2	Antenna	N5182B
Earphone cable	No	No	1	Earphone	EUT
USB cable	No	No	1	Adapter	EUT

2.6 Block Diagram of Test Setup

AC Power Lines Conducted Emission:



Radiated Spurious Emissions



2.7 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.

2.8 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
Unwanted Emissions, conducted	±2.47 dB
Temperature	±1℃
Humidity	±5%
AC Power Lines Conducted Emission	3.11 dB (150 kHz to 30 MHz)

3. 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

4. REQUIREMENTS AND TEST RESULTS

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

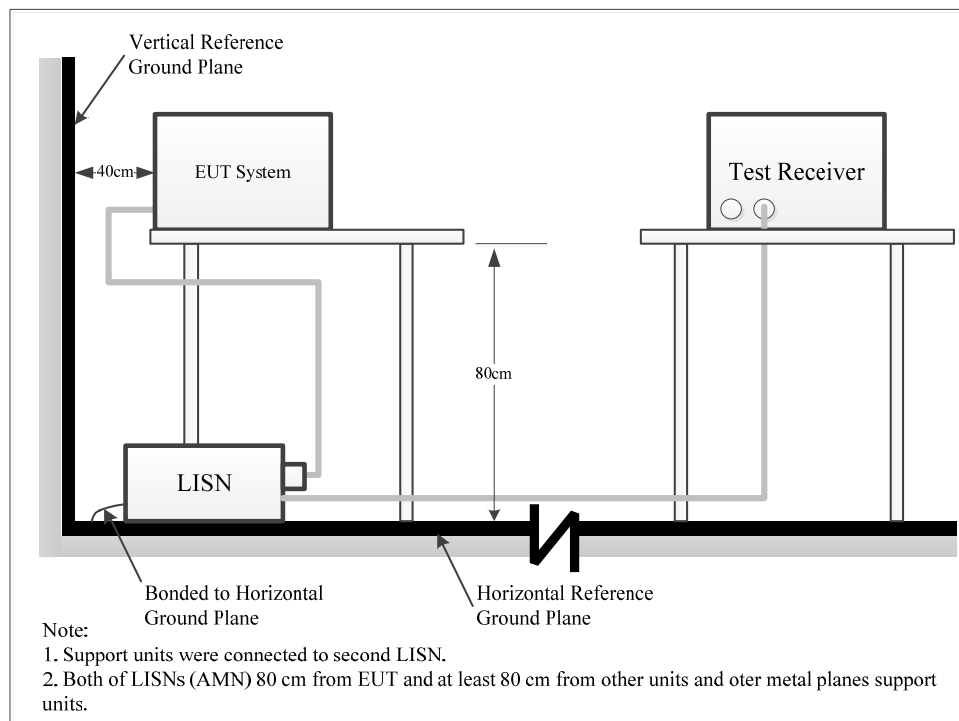
FCC§15.107

(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 μ H/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 (dB μ V)	
	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 Test System Setup



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 Data and Result

Serial Number:	2GSG-2	Test Date:	2024/1/30~2024/2/1
Test Site:	CE	Test Mode:	Mode 1, Mode 2
Tester:	Wright Lai	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	17.6~21.1	Relative Humidity: (%)	64~70	ATM Pressure: (kPa)	101.2~101.5
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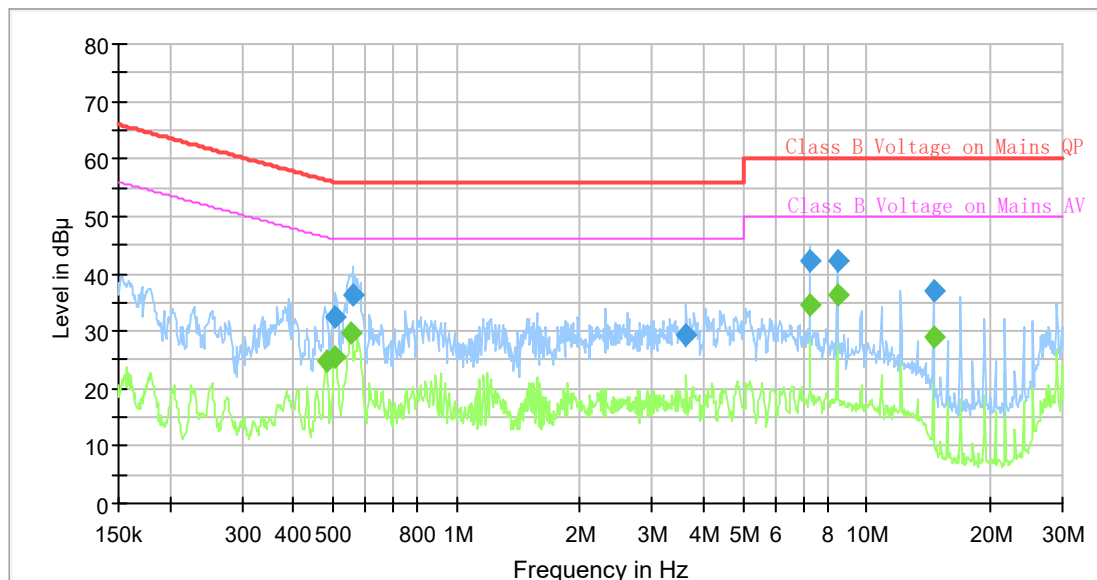
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2023/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2023/9/5	2024/9/4
R&S	EMI Test Receiver	ESCI	100035	2023/8/18	2024/8/17
R&S	Test Software	EMC32	V9.10.00	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).

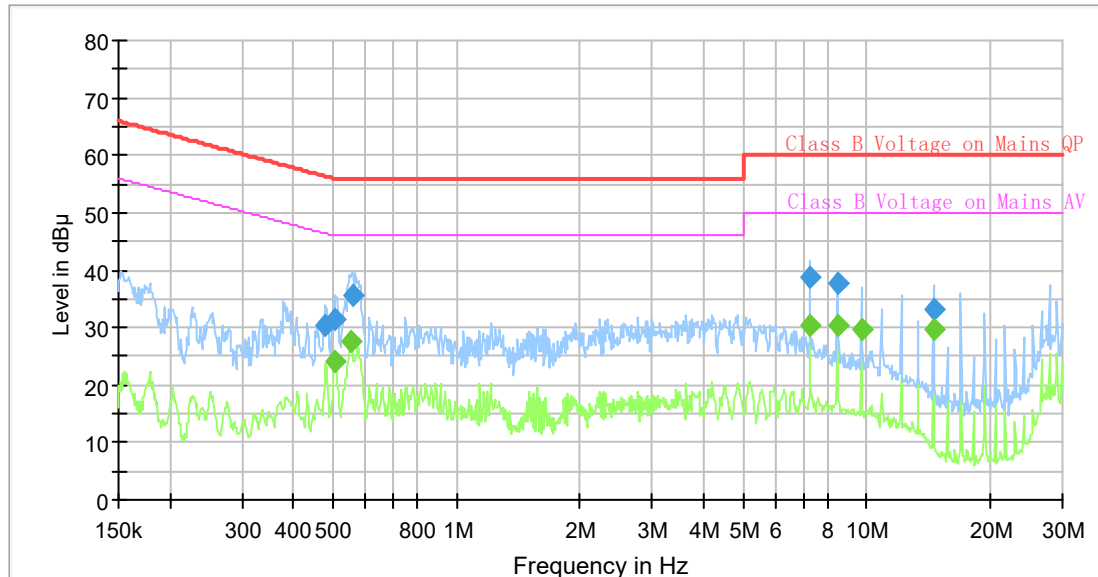
Test Mode 1:

Project No: XMTN1240117-04004E-RF
Port: L
Test Engineer: Wright Lai
Test Date: 2024-1-30
Test Mode: Scanning
Power Source: AC 120V/60Hz
Note: 350-390MHz was tested

**Final Result**

Frequency (MHz)	QuasiPeak (dB μV)	Average (dB μV)	Limit (dB μV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.481892	---	24.97	46.31	21.34	9.000	L1	10.8
0.504016	---	25.67	46.00	20.33	9.000	L1	10.8
0.506536	32.52	---	56.00	23.48	9.000	L1	10.8
0.554114	---	29.62	46.00	16.38	9.000	L1	10.8
0.559669	36.20	---	56.00	19.80	9.000	L1	10.8
3.632492	29.23	---	56.00	26.77	9.000	L1	10.8
7.265865	42.25	---	60.00	17.75	9.000	L1	10.9
7.265865	---	34.57	50.00	15.43	9.000	L1	10.9
8.480769	42.17	---	60.00	17.83	9.000	L1	10.8
8.480769	---	36.28	50.00	13.72	9.000	L1	10.8
14.533489	---	29.03	50.00	20.97	9.000	L1	10.9
14.533489	37.11	---	60.00	22.89	9.000	L1	10.9

Project No: XMTN1240117-04004E-RF
Port: N
Test Engineer: Wright Lai
Test Date: 2024-1-30
Test Mode: Scanning
Power Source: AC 120V/60Hz
Note: 350-390MHz was tested

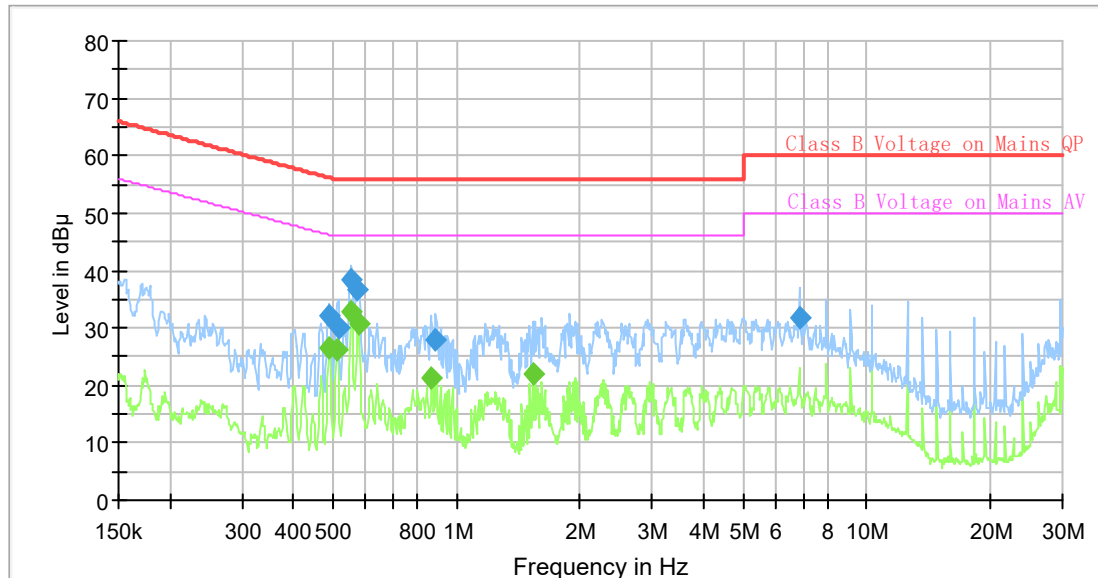


Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.479495	30.39	---	56.35	25.96	9.000	N	10.7
0.506536	---	23.97	46.00	22.03	9.000	N	10.7
0.506536	31.42	---	56.00	24.58	9.000	N	10.7
0.554114	---	27.43	46.00	18.57	9.000	N	10.7
0.556885	35.48	---	56.00	20.52	9.000	N	10.7
7.265865	---	30.48	50.00	19.52	9.000	N	10.8
7.265865	38.73	---	60.00	21.27	9.000	N	10.8
8.480769	---	30.51	50.00	19.49	9.000	N	10.8
8.480769	37.90	---	60.00	22.10	9.000	N	10.8
9.703287	---	29.53	50.00	20.47	9.000	N	10.9
14.533489	---	29.63	50.00	20.37	9.000	N	10.9
14.533489	33.07	---	60.00	26.93	9.000	N	10.9

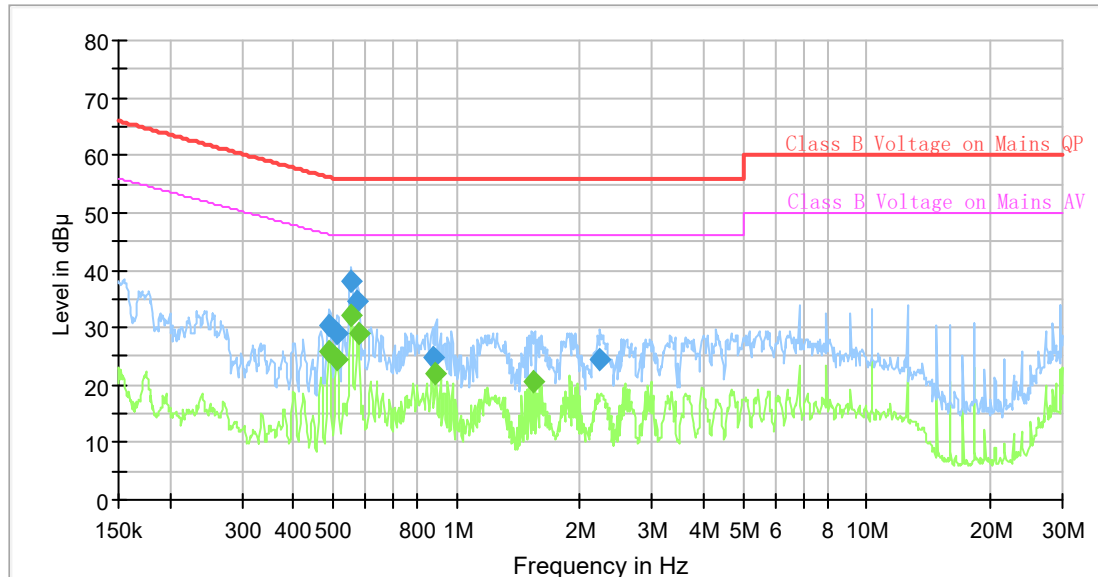
Test Mode 2:

Project No: XMTN1240117-04004E-RF
Line: L
Test Engineer: Wright Lai
Test Date: 2024-2-1
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 370MHz was tested

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.489157	---	26.72	46.18	19.46	9.000	L1	10.8
0.489157	32.14	---	56.18	24.04	9.000	L1	10.8
0.511614	---	26.35	46.00	19.65	9.000	L1	10.8
0.514172	30.08	---	56.00	25.92	9.000	L1	10.8
0.554114	---	32.80	46.00	13.20	9.000	L1	10.8
0.554114	38.59	---	56.00	17.41	9.000	L1	10.8
0.573802	36.52	---	56.00	19.48	9.000	L1	10.8
0.576671	---	30.77	46.00	15.23	9.000	L1	10.8
0.868051	---	21.48	46.00	24.52	9.000	L1	10.9
0.889970	28.00	---	56.00	28.00	9.000	L1	10.9
1.532767	---	21.94	46.00	24.06	9.000	L1	10.8
6.843757	31.96	---	60.00	28.04	9.000	L1	10.9

Project No: XMTN1240117-04004E-RF
Line: N
Test Engineer: Wright Lai
Test Date: 2024-2-1
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 370MHz was tested



Final Result

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.489157	30.40	---	56.18	25.78	9.000	N	10.7
0.489157	---	25.79	46.18	20.39	9.000	N	10.7
0.511614	28.99	---	56.00	27.01	9.000	N	10.7
0.511614	---	24.35	46.00	21.65	9.000	N	10.7
0.554114	38.05	---	56.00	17.95	9.000	N	10.7
0.554114	---	32.06	46.00	13.94	9.000	N	10.7
0.573802	34.62	---	56.00	21.38	9.000	N	10.7
0.576671	---	29.11	46.00	16.89	9.000	N	10.7
0.872391	24.64	---	56.00	31.36	9.000	N	10.8
0.889970	---	21.99	46.00	24.01	9.000	N	10.8
1.532767	---	20.51	46.00	25.49	9.000	N	10.9
2.239220	24.29	---	56.00	31.71	9.000	N	10.9

4.2 Radiation Spurious Emissions

4.2.1 Applicable Standard

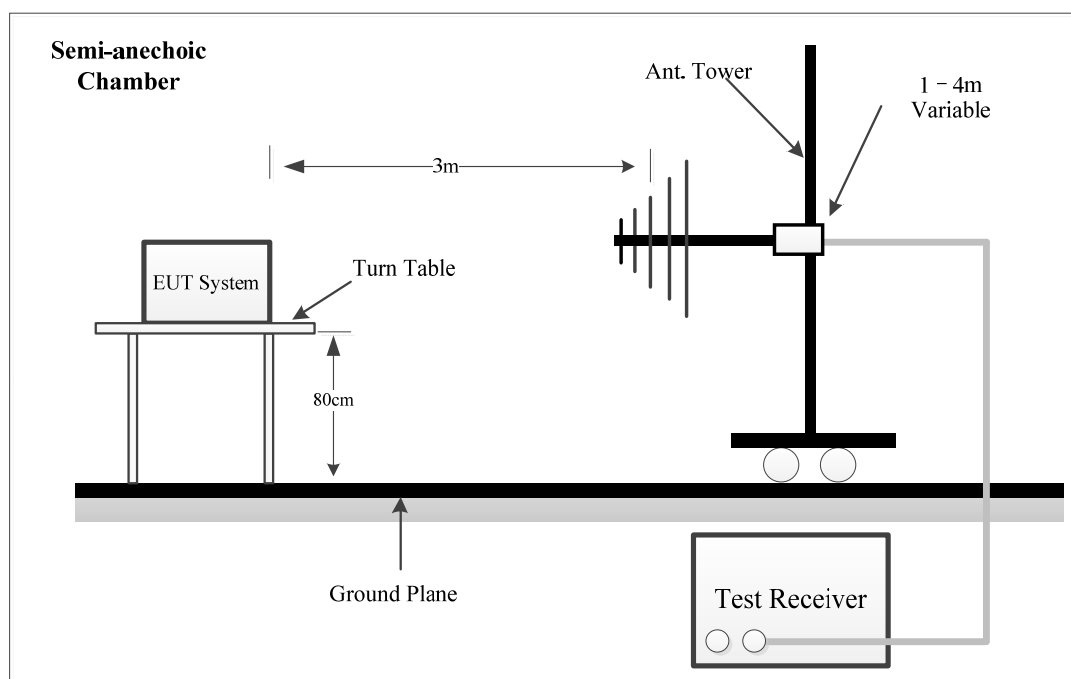
FCC§15.109

(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:

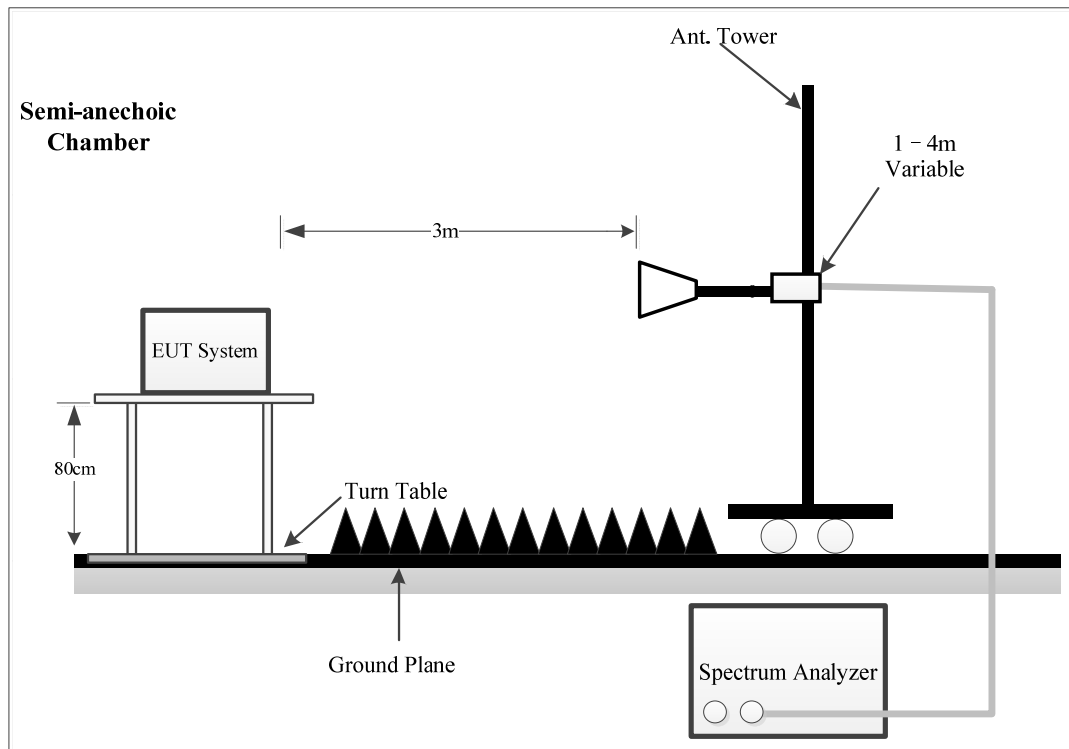
Frequency of emission (MHz)	Field strength (microvolts/meter)
30–88	100
88–216	150
216–960	200
Above 960	500

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 5 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	Reduced video bandwidth	/	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:

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

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

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

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

4.2.6 Test Data and Result

Serial Number:	2GSG-2	Test Date:	2024/1/30~2024/2/1
Test Site:	Chamber A, Chamber B	Test Mode:	Mode 1, Mode 2
Tester:	Zoo Zou, Leo Xiao	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	19.8~21.3	Relative Humidity: (%)	45~49	ATM Pressure: (kPa)	101.2~101.5

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	Attenuator	779-6dB	04269	2023/9/6	2026/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2023/8/1	2024/7/31
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2023/8/1	2024/7/31
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2023/8/1	2024/7/31
Sonoma	Amplifier	310N	185914	2023/8/1	2024/7/31
R&S	EMI Test Receiver	ESCI	100224	2023/8/18	2024/8/17
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
AH	Horn Antenna	SAS-571	1394	2023/2/22	2026/2/22
HUBER+SUHNER	Coaxial Cable	SUCOFLEX 126EA	MY369/26/26EA	2023/9/6	2024/9/5
AH	Preamplifier	PAM-0118P	530	2023/9/1	2024/8/31
Agilent	Spectrum Analyzer	E4440A	MY44303352	2023/10/18	2024/10/17
Audix	Test Software	E3	191218 (V9)	N/A	N/A

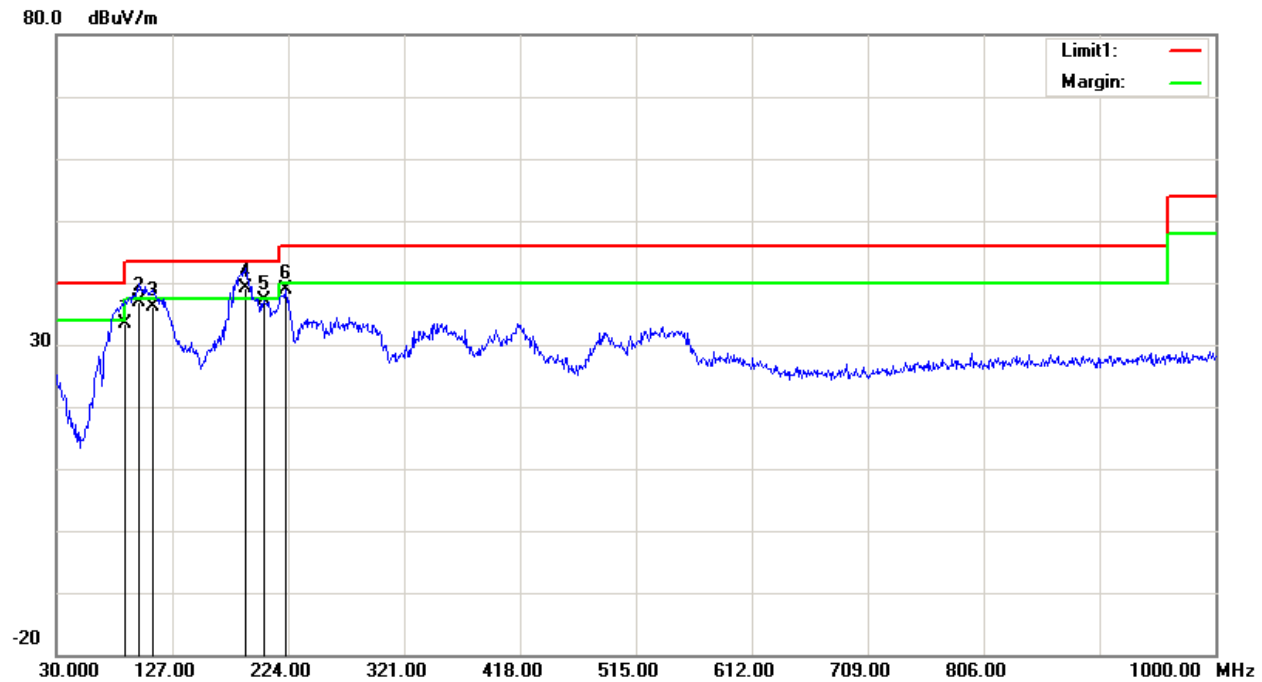
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Please refer to the below table and plots.
After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

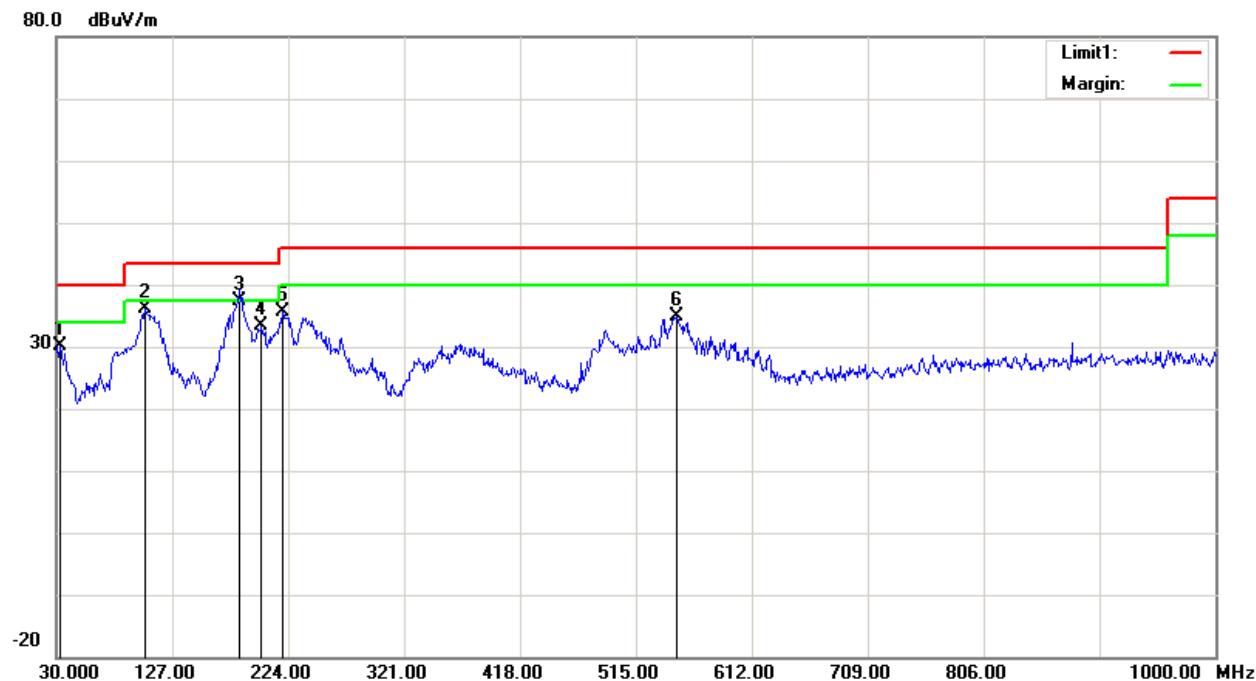
1) 30MHz-1GHz:

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Horizontal
Test Mode: Scanning
Power Source: AC 120V/60Hz
Note: 108-136 MHz



No.	Frequency (MHz)	Reading (dB μ V)	Detector	Corrected dB/m	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)
1	87.9000	50.19	QP	-16.79	33.40	40.00	6.60
2	98.8700	51.58	QP	-14.68	36.90	43.50	6.60
3	110.5100	47.38	QP	-11.28	36.10	43.50	7.40
4	188.1100	51.44	QP	-12.24	39.20	43.50	4.30
5	203.6300	49.09	peak	-11.87	37.22	43.50	6.28
6	222.0600	51.33	peak	-12.47	38.86	46.00	7.14

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Vertical
 Test Mode: Scanning
 Power Source: AC 120V/60Hz
 Note: 108-136 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	32.9100	35.60	peak	-5.47	30.13	40.00	9.87
2	103.7200	49.29	peak	-13.25	36.04	43.50	7.46
3	183.2600	49.85	QP	-12.35	37.50	43.50	6.00
4	201.6900	45.13	peak	-11.69	33.44	43.50	10.06
5	219.1500	48.04	peak	-12.53	35.51	46.00	10.49
6	548.9500	38.39	peak	-3.48	34.91	46.00	11.09

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

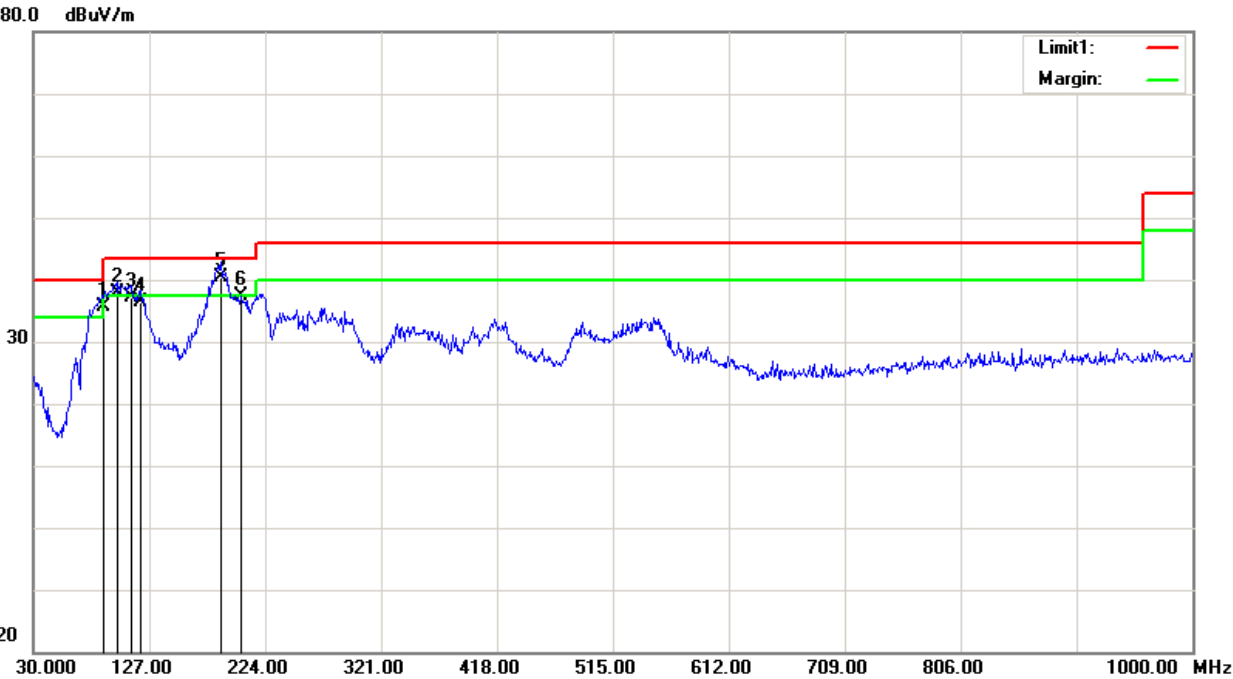
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Scanning

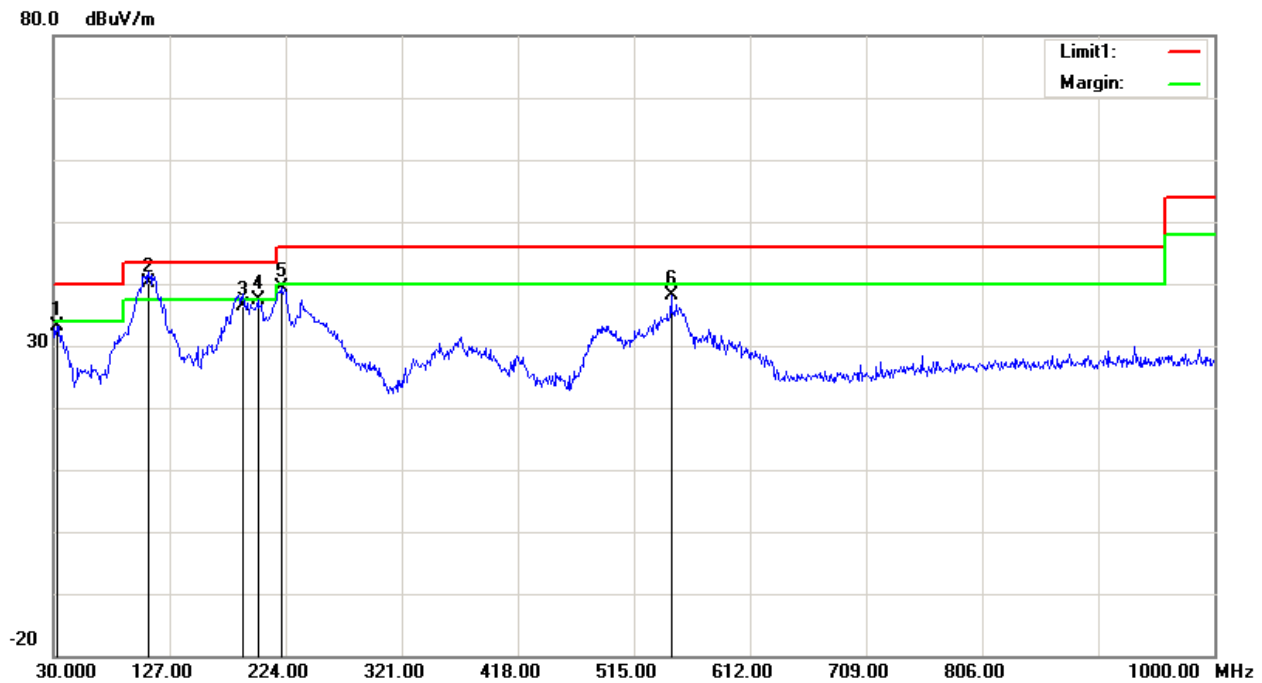
Power Source: AC 120V/60Hz

Note: 136-174 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	87.9000	52.49	QP	-16.79	35.70	40.00	4.30
2	99.8400	52.24	QP	-14.44	37.80	43.50	5.70
3	111.4800	48.24	QP	-11.14	37.10	43.50	6.40
4	119.2400	46.38	QP	-9.98	36.40	43.50	7.10
5	187.1400	52.60	QP	-12.30	40.30	43.50	3.20
6	203.6300	49.15	peak	-11.87	37.28	43.50	6.22

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Scanning
Power Source: AC 120V/60Hz
Note: 136-174 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	32.9100	38.71	peak	-5.47	33.24	40.00	6.76
2	109.5400	51.67	QP	-11.47	40.20	43.50	3.30
3	188.1100	48.64	QP	-12.24	36.40	43.50	7.10
4	200.7200	49.06	peak	-11.59	37.47	43.50	6.03
5	220.1200	51.93	peak	-12.50	39.43	46.00	6.57
6	546.0400	41.63	peak	-3.62	38.01	46.00	7.99

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

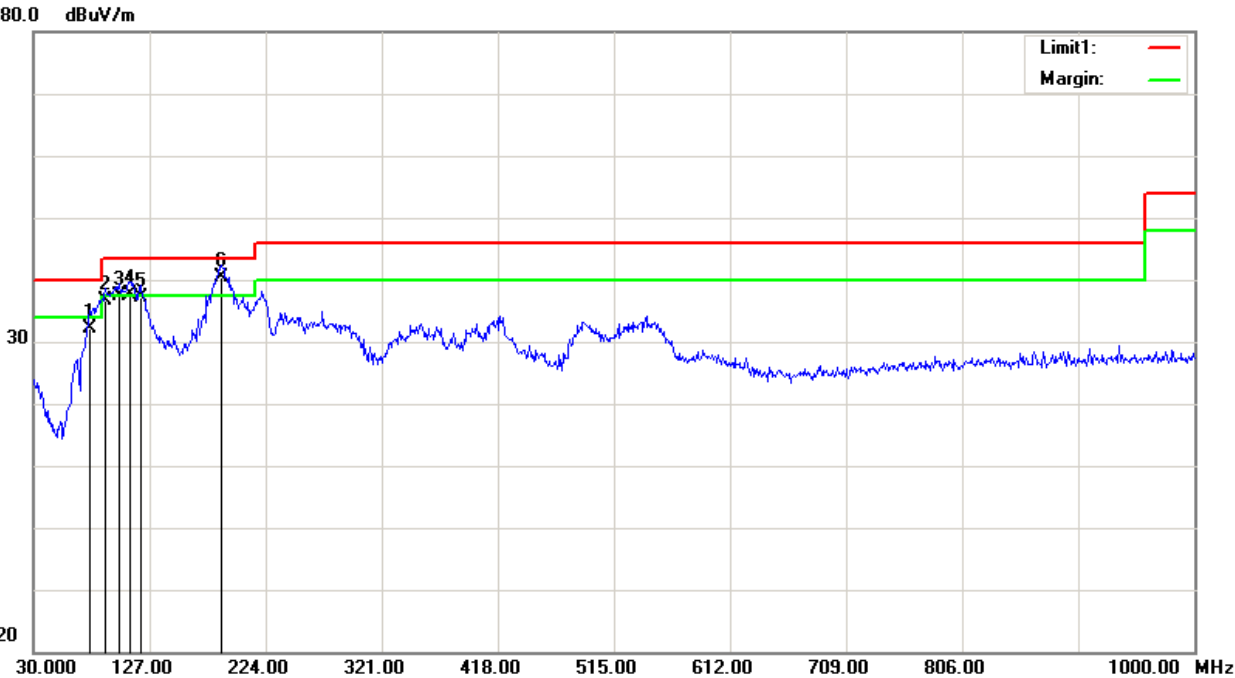
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Scanning

Power Source: AC 120V/60Hz

Note: 220-260 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	77.5300	48.39	QP	-16.29	32.10	40.00	7.90
2	90.1400	53.14	QP	-16.54	36.60	43.50	6.90
3	101.7800	51.23	QP	-13.93	37.30	43.50	6.20
4	110.5100	48.98	QP	-11.28	37.70	43.50	5.80
5	119.2400	47.08	QP	-9.98	37.10	43.50	6.40
6	187.1400	52.60	QP	-12.30	40.30	43.50	3.20

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

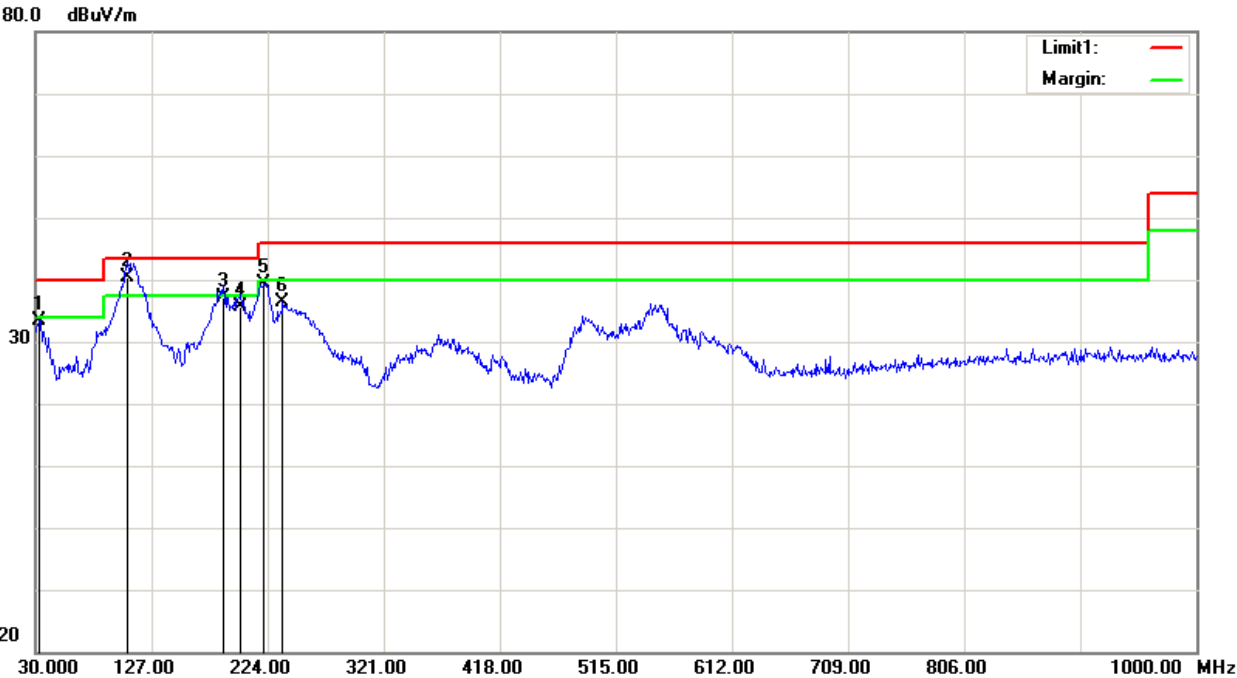
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Scanning

Power Source: AC 120V/60Hz

Note: 220-260 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	32.9100	38.85	peak	-5.47	33.38	40.00	6.62
2	106.6300	52.72	QP	-12.32	40.40	43.50	3.10
3	187.1400	49.50	QP	-12.30	37.20	43.50	6.30
4	201.6900	47.29	QP	-11.69	35.60	43.50	7.90
5	221.0900	51.94	peak	-12.48	39.46	46.00	6.54
6	236.6100	48.27	peak	-11.94	36.33	46.00	9.67

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

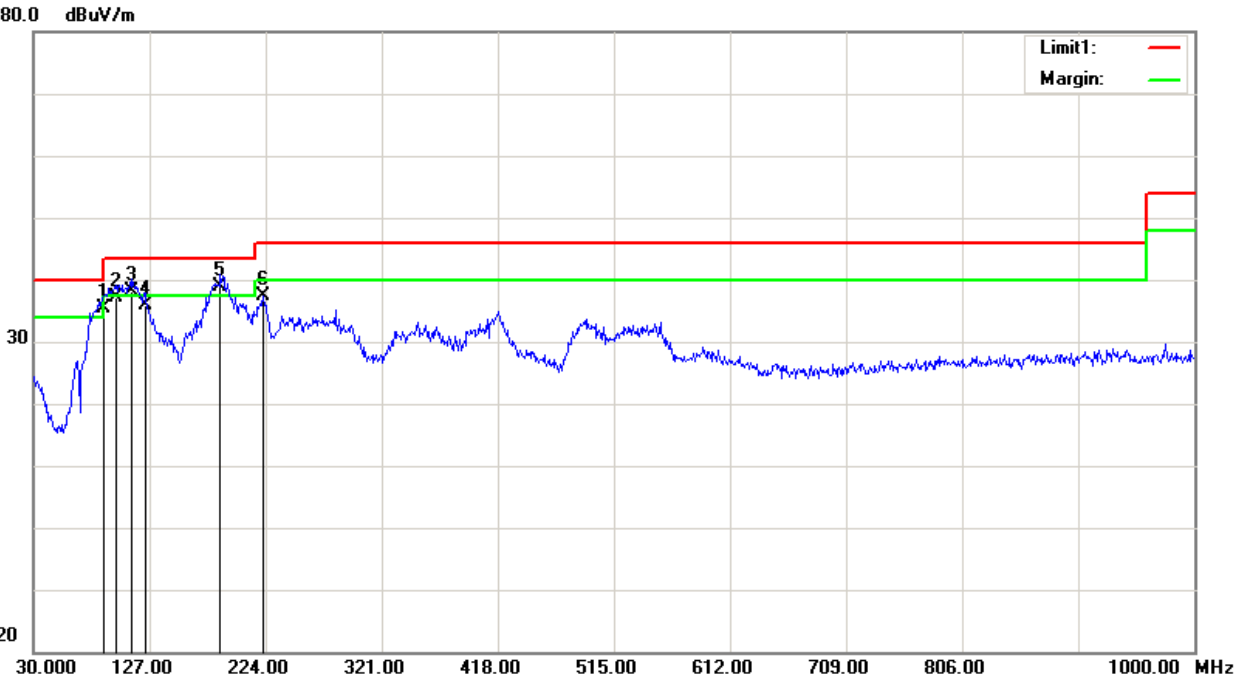
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Scanning

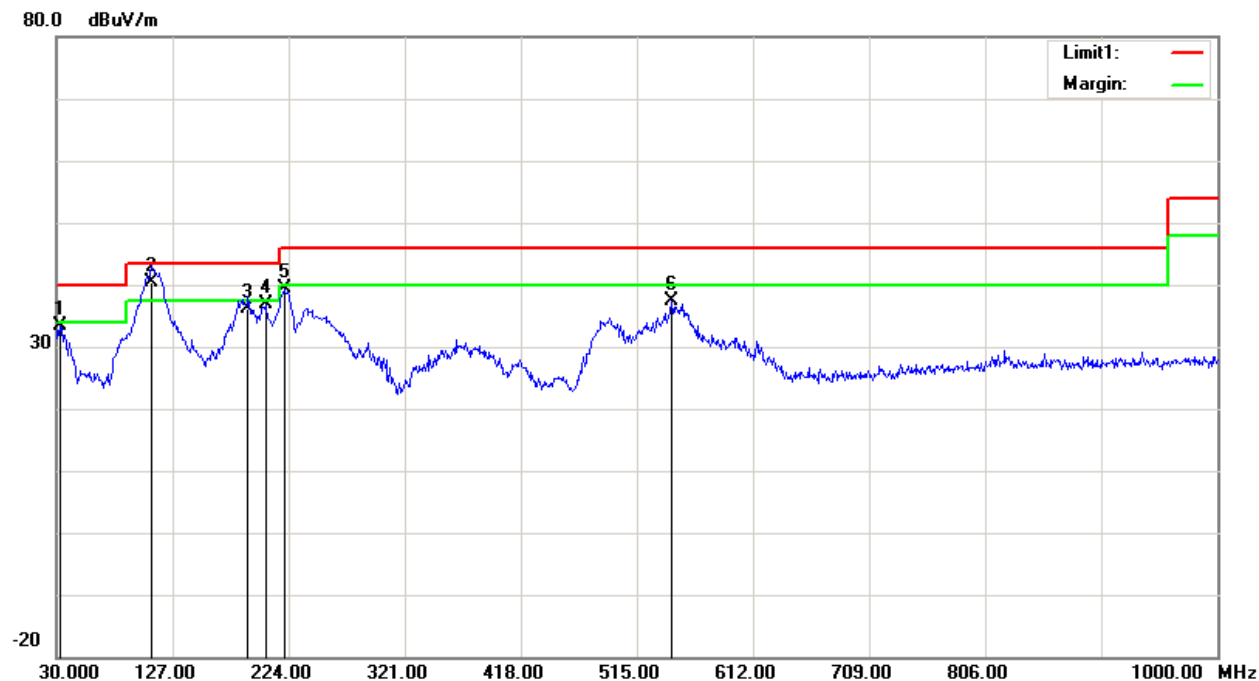
Power Source: AC 120V/60Hz

Note: 350-390 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	87.9000	52.09	QP	-16.79	35.30	40.00	4.70
2	98.8700	51.88	QP	-14.68	37.20	43.50	6.30
3	111.4800	49.24	QP	-11.14	38.10	43.50	5.40
4	123.1200	45.47	QP	-9.67	35.80	43.50	7.70
5	186.1700	51.26	QP	-12.36	38.90	43.50	4.60
6	222.0600	49.73	peak	-12.47	37.26	46.00	8.74

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Scanning
Power Source: AC 120V/60Hz
Note: 350-390 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	32.9100	38.83	peak	-5.47	33.36	40.00	6.64
2	109.5400	51.77	QP	-11.47	40.30	43.50	3.20
3	190.0500	48.32	QP	-12.12	36.20	43.50	7.30
4	204.6000	48.84	peak	-11.96	36.88	43.50	6.62
5	220.1200	51.95	peak	-12.50	39.45	46.00	6.55
6	544.1000	41.15	peak	-3.68	37.47	46.00	8.53

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

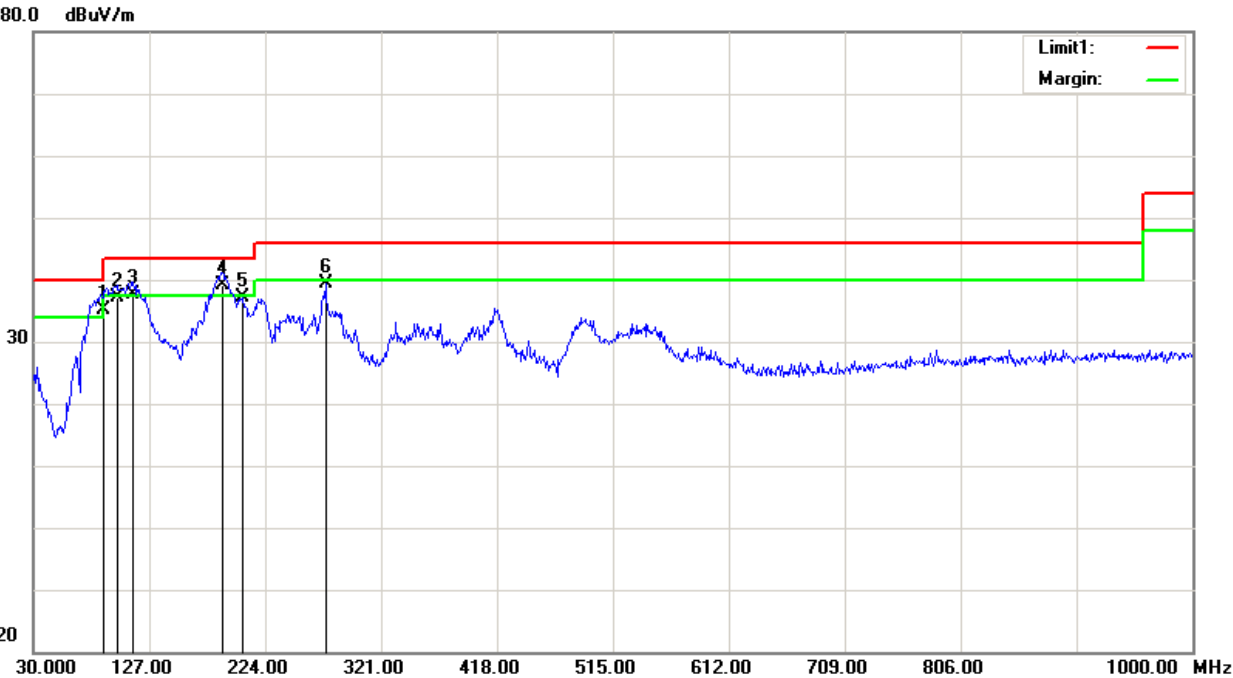
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Scanning

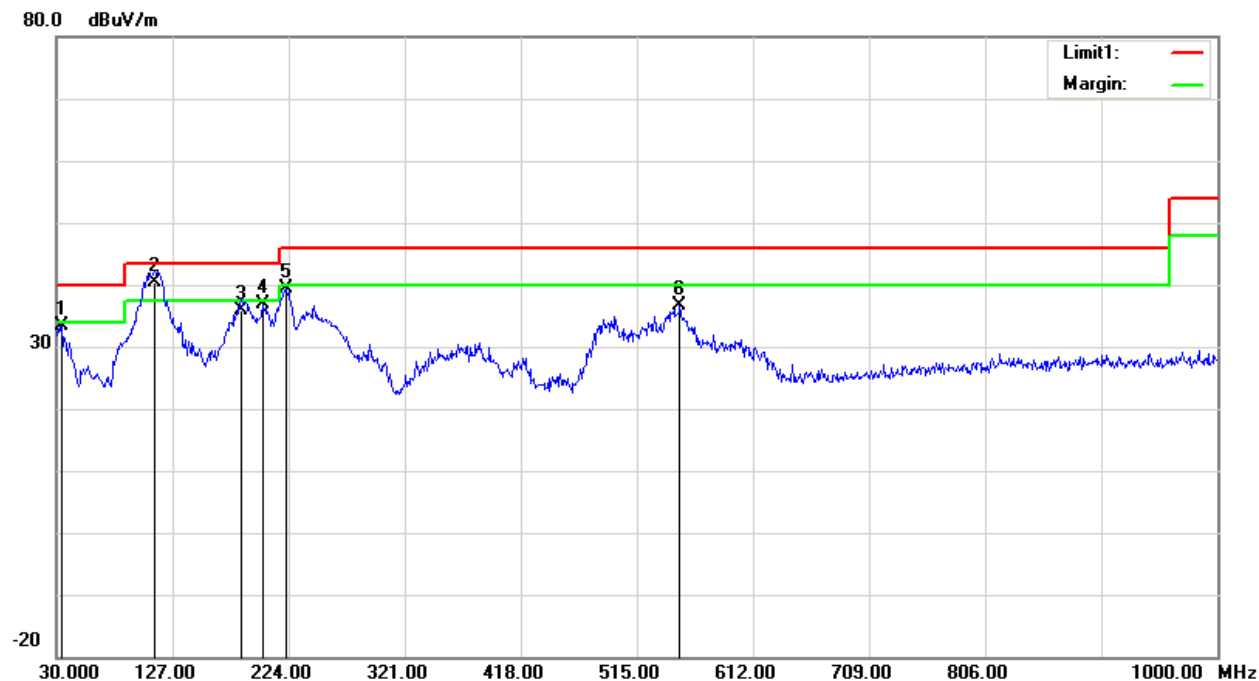
Power Source: AC 120V/60Hz

Note: 400-520 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	87.9000	51.99	QP	-16.79	35.20	40.00	4.80
2	99.8400	51.54	QP	-14.44	37.10	43.50	6.40
3	113.4200	48.47	QP	-10.77	37.70	43.50	5.80
4	188.1100	51.44	QP	-12.24	39.20	43.50	4.30
5	205.5700	49.23	peak	-12.07	37.16	43.50	6.34
6	274.4400	49.29	peak	-9.92	39.37	46.00	6.63

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Scanning
Power Source: AC 120V/60Hz
Note: 400-520 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	34.8500	40.18	peak	-6.83	33.35	40.00	6.65
2	112.4500	51.37	QP	-10.97	40.40	43.50	3.10
3	184.2300	48.20	QP	-12.40	35.80	43.50	7.70
4	202.6600	48.62	peak	-11.78	36.84	43.50	6.66
5	222.0600	51.95	peak	-12.47	39.48	46.00	6.52
6	550.8900	40.01	peak	-3.40	36.61	46.00	9.39

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

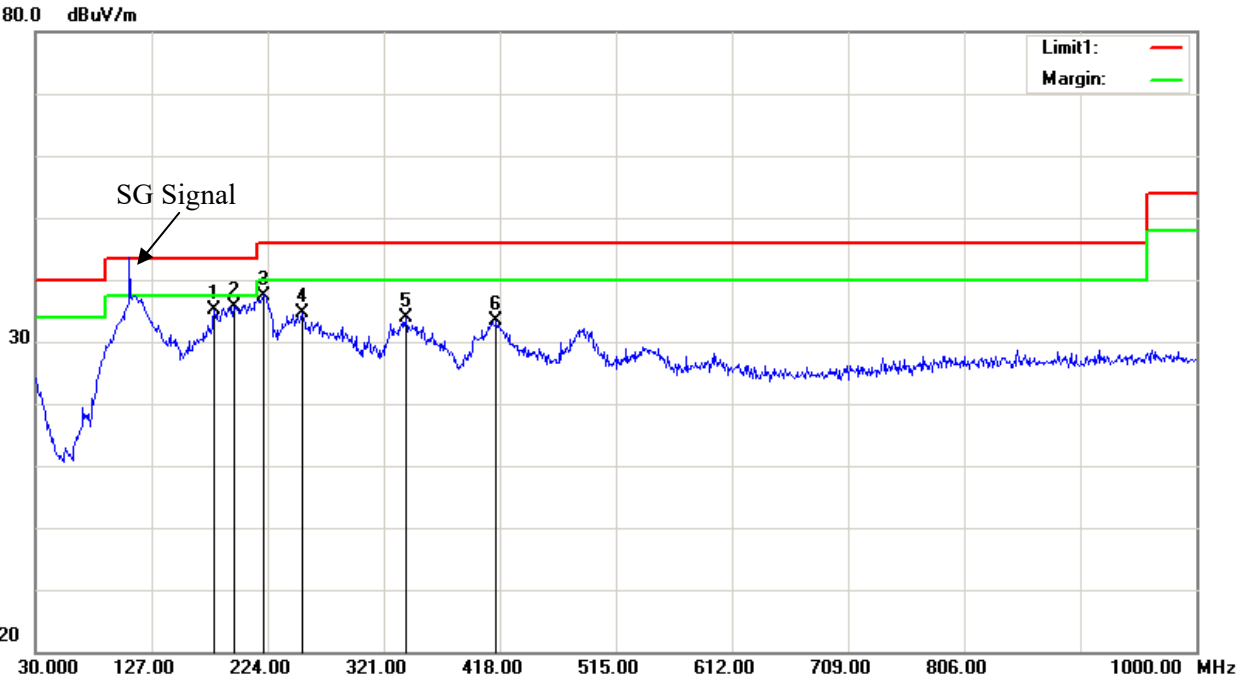
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 108.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1	179.3800	47.42	peak	-12.30	35.12	43.50	8.38
2	195.8700	47.42	peak	-11.78	35.64	43.50	7.86
3	221.0900	49.98	peak	-12.48	37.50	46.00	8.50
4	253.1000	45.98	peak	-11.40	34.58	46.00	11.42
5	339.4300	42.58	peak	-8.77	33.81	46.00	12.19
6	415.0900	39.96	peak	-6.56	33.40	46.00	12.60

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

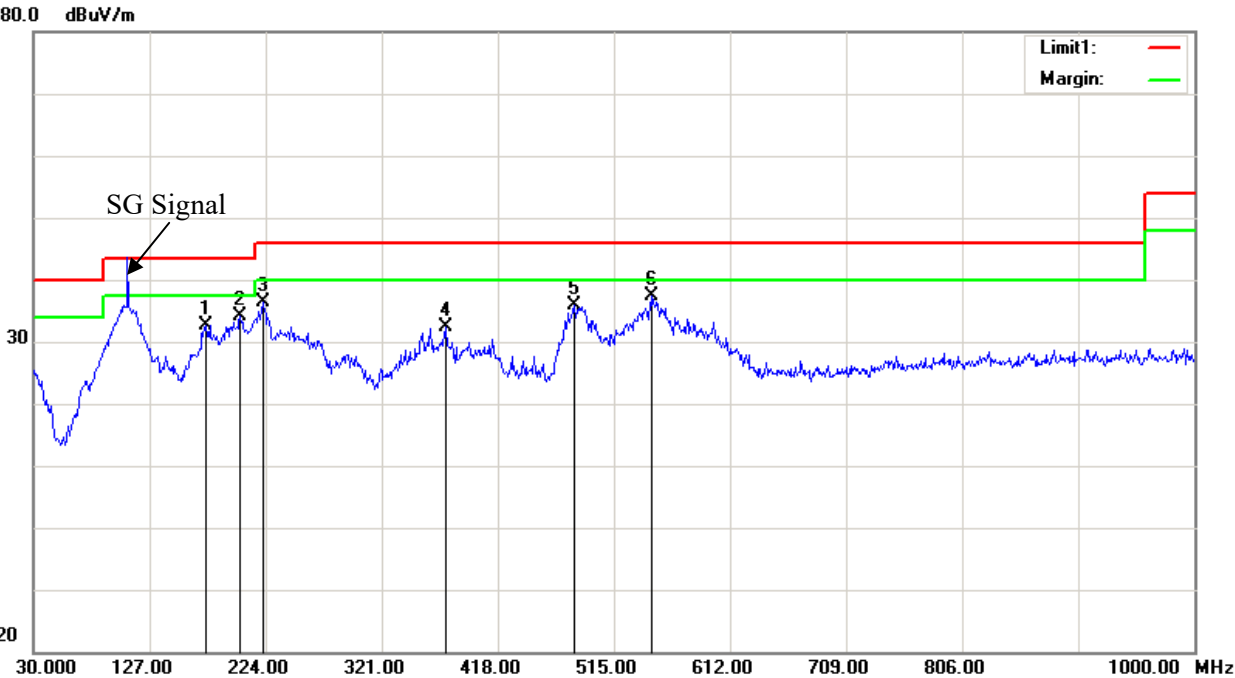
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Receiving

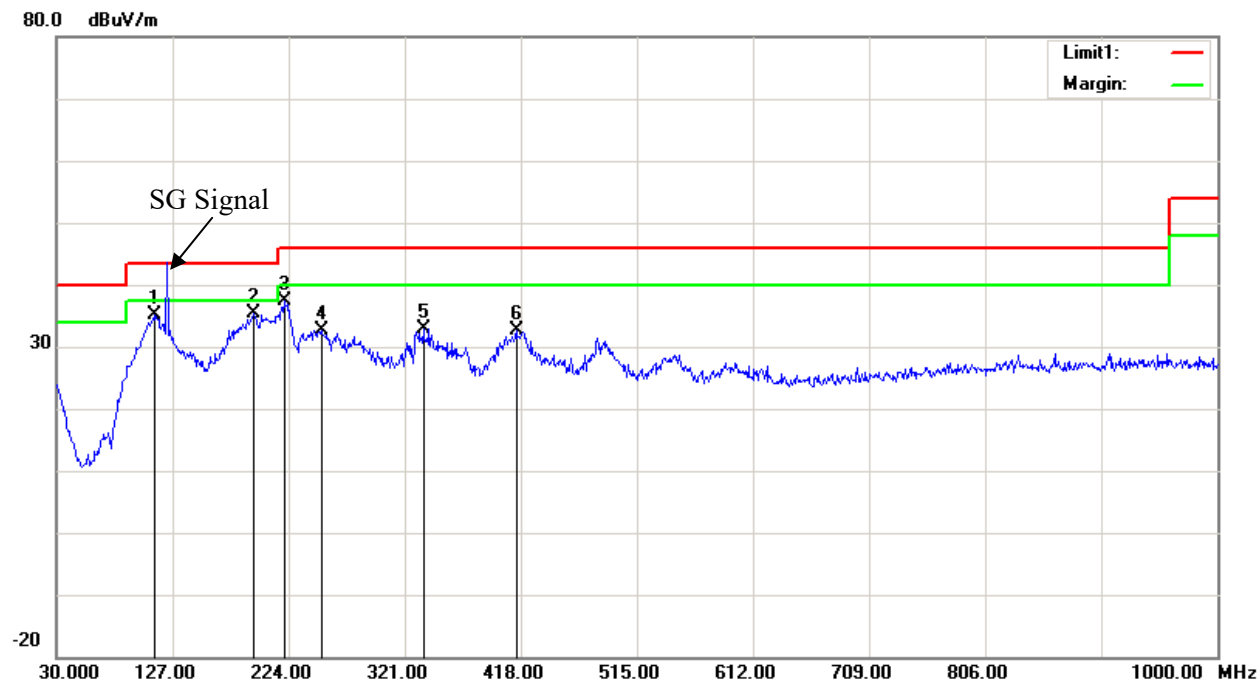
Power Source: AC 120V/60Hz

Note: 108.0125 MHz



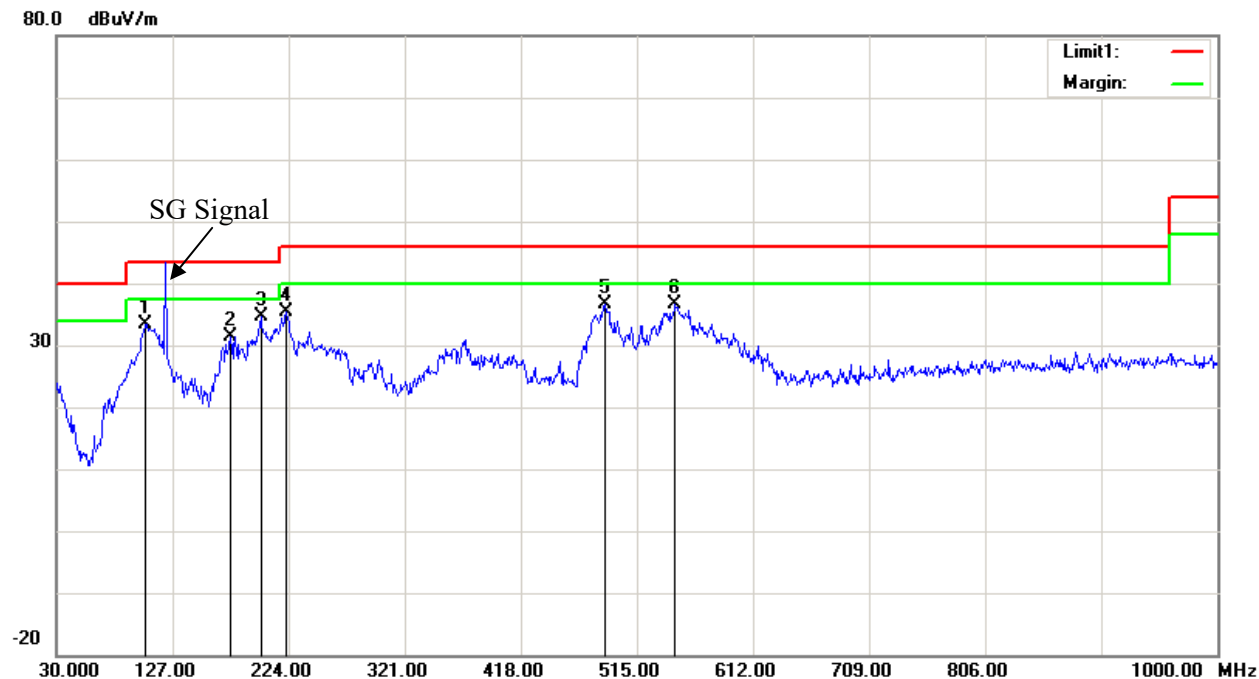
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	174.5300	44.45	peak	-11.82	32.63	43.50	10.87
2	202.6600	45.98	peak	-11.78	34.20	43.50	9.30
3	222.0600	48.81	peak	-12.47	36.34	46.00	9.66
4	374.3500	40.35	peak	-7.91	32.44	46.00	13.56
5	482.0200	40.26	peak	-4.45	35.81	46.00	10.19
6	547.0100	41.00	peak	-3.58	37.42	46.00	8.58

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Horizontal
 Test Mode: Receiving
 Power Source: AC 120V/60Hz
 Note: 122 MHz



No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	46.24	peak	-11.14	35.10	43.50	8.40
2	194.9000	47.37	peak	-11.88	35.49	43.50	8.01
3	220.1200	49.86	peak	-12.50	37.36	46.00	8.64
4	251.1600	43.97	peak	-11.43	32.54	46.00	13.46
5	336.5200	41.58	peak	-8.75	32.83	46.00	13.17
6	414.1200	39.18	peak	-6.59	32.59	46.00	13.41

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Vertical
 Test Mode: Receiving
 Power Source: AC 120V/60Hz
 Note: 122 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	103.7200	46.62	peak	-13.25	33.37	43.50	10.13
2	175.5000	43.31	peak	-11.92	31.39	43.50	12.11
3	200.7200	46.29	peak	-11.59	34.70	43.50	8.80
4	222.0600	47.75	peak	-12.47	35.28	46.00	10.72
5	488.8100	41.17	peak	-4.43	36.74	46.00	9.26
6	547.0100	40.19	peak	-3.58	36.61	46.00	9.39

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

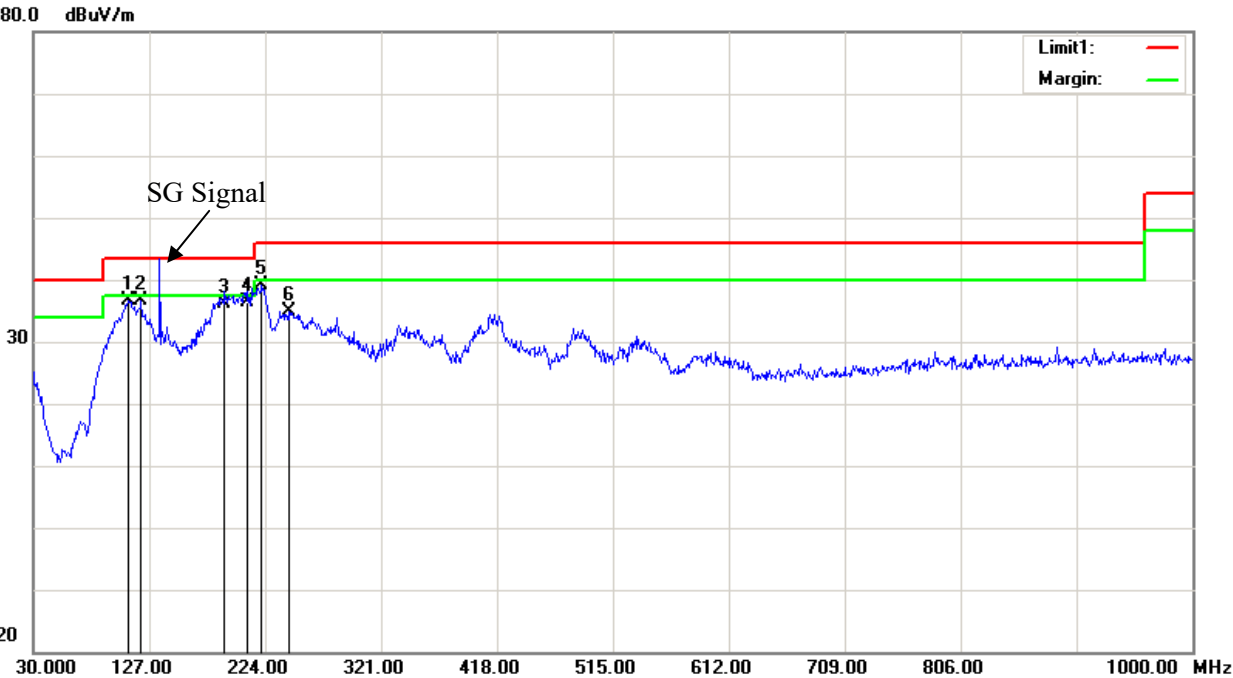
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

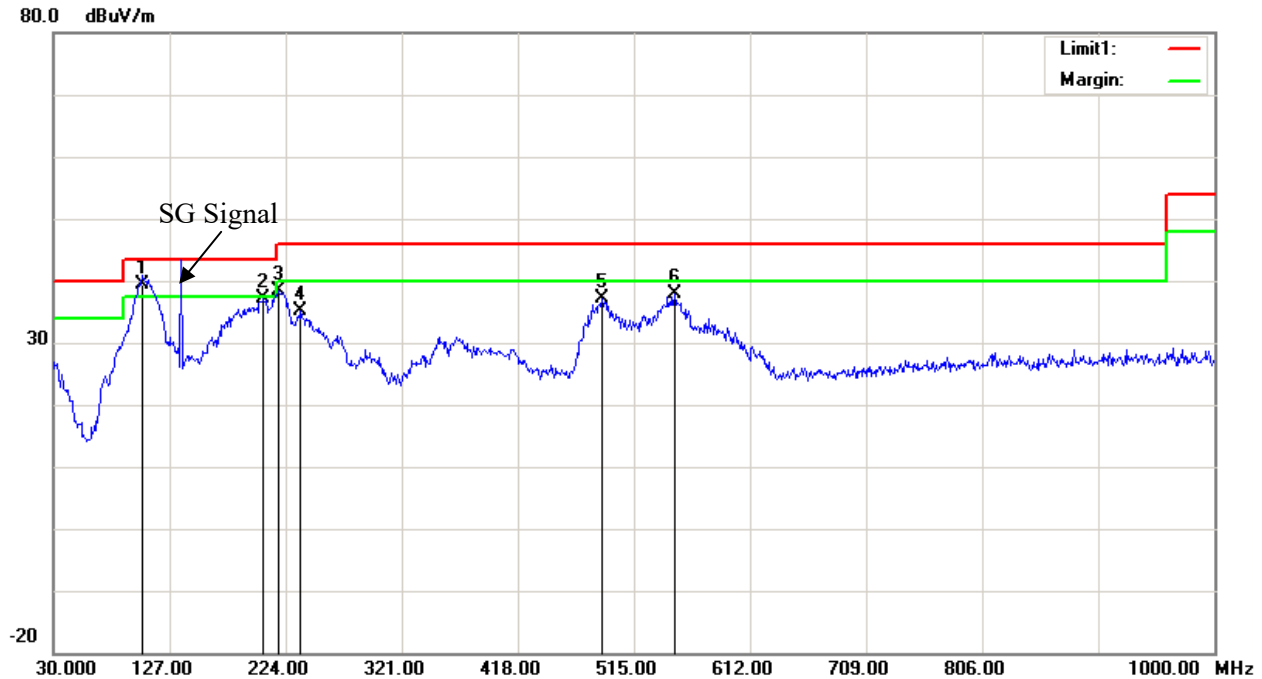
Power Source: AC 120V/60Hz

Note: 135.9875 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	109.5400	48.21	peak	-11.47	36.74	43.50	6.76
2	120.2100	46.57	peak	-9.92	36.65	43.50	6.85
3	190.0500	48.22	QP	-12.12	36.10	43.50	7.40
4	209.4500	48.79	QP	-12.49	36.30	43.50	7.20
5	221.0900	51.49	peak	-12.48	39.01	46.00	6.99
6	243.4000	46.62	peak	-11.64	34.98	46.00	11.02

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 135.9875MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	103.7200	52.75	QP	-13.25	39.50	43.50	4.00
2	205.5700	49.20	peak	-12.07	37.13	43.50	6.37
3	218.1800	50.96	peak	-12.55	38.41	46.00	7.59
4	236.6100	47.12	peak	-11.94	35.18	46.00	10.82
5	488.8100	41.51	peak	-4.43	37.08	46.00	8.92
6	548.9500	41.34	peak	-3.48	37.86	46.00	8.14

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

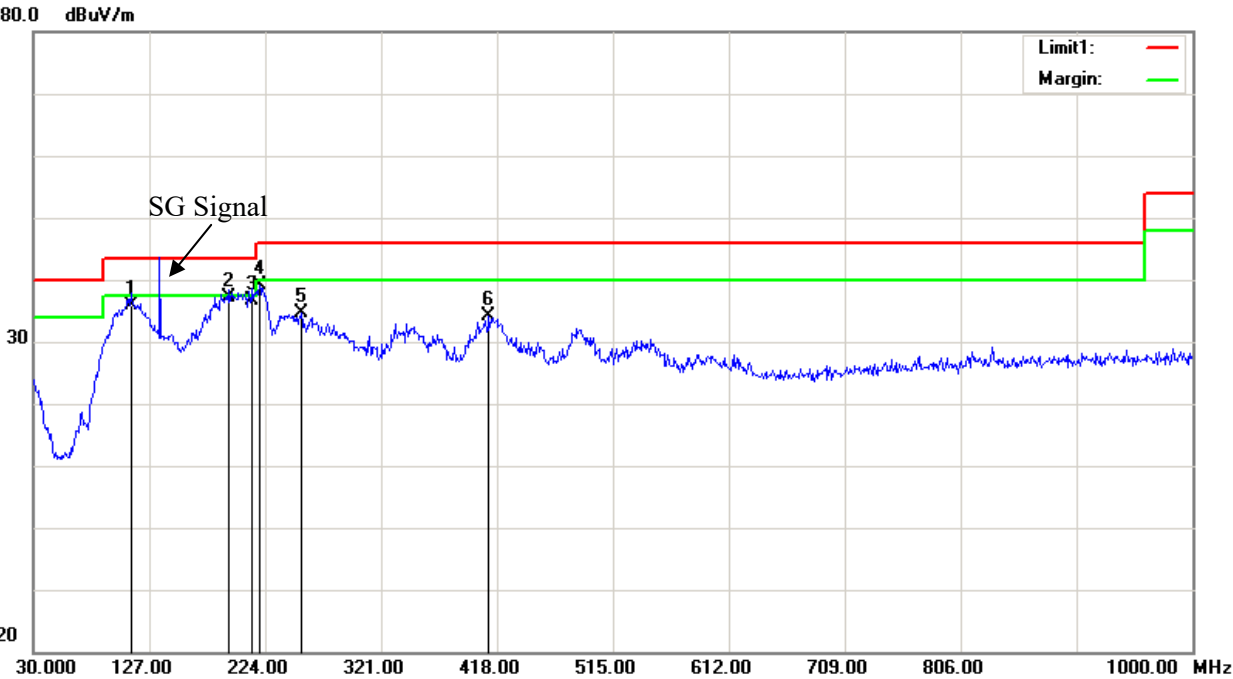
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

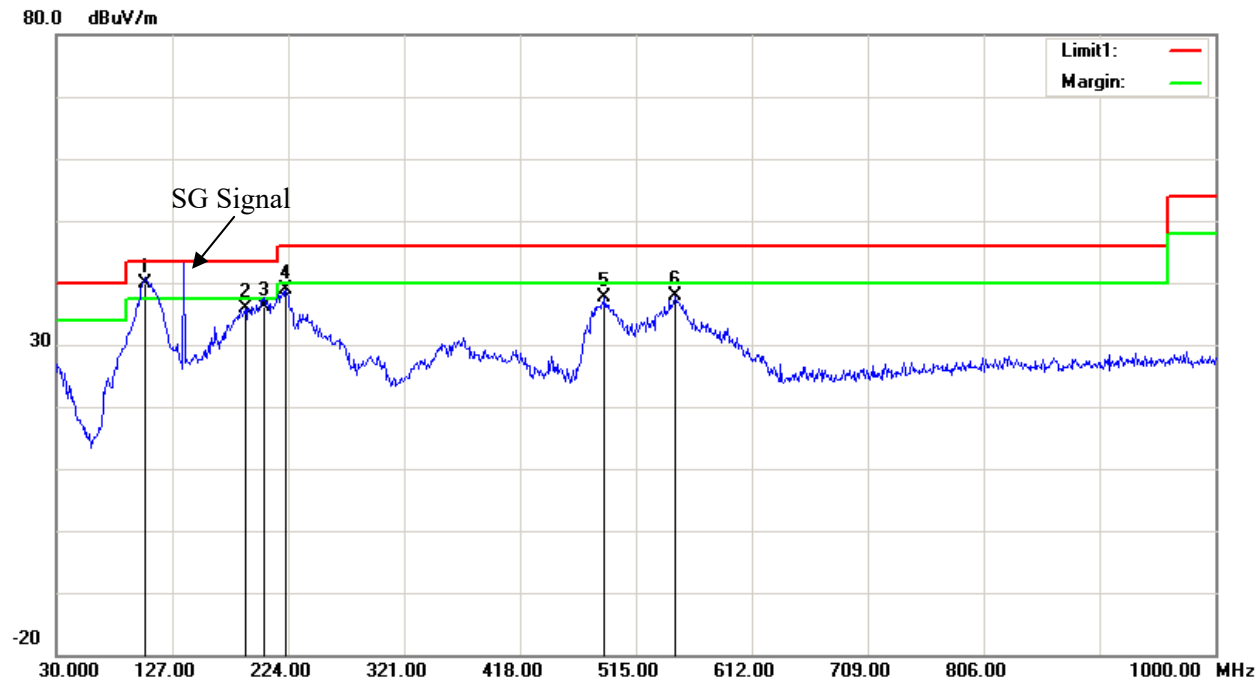
Power Source: AC 120V/60Hz

Note: 136.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	47.04	QP	-11.14	35.90	43.50	7.60
2	193.9300	49.08	QP	-11.98	37.10	43.50	6.40
3	213.3300	49.21	QP	-12.61	36.60	43.50	6.90
4	219.1500	51.58	peak	-12.53	39.05	46.00	6.95
5	254.0700	45.96	peak	-11.39	34.57	46.00	11.43
6	411.2100	40.70	peak	-6.64	34.06	46.00	11.94

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 136.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	103.7200	53.05	QP	-13.25	39.80	43.50	3.70
2	188.1100	48.14	peak	-12.24	35.90	43.50	7.60
3	203.6300	48.07	QP	-11.87	36.20	43.50	7.30
4	222.0600	51.40	peak	-12.47	38.93	46.00	7.07
5	488.8100	41.97	peak	-4.43	37.54	46.00	8.46
6	547.9800	41.40	peak	-3.53	37.87	46.00	8.13

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

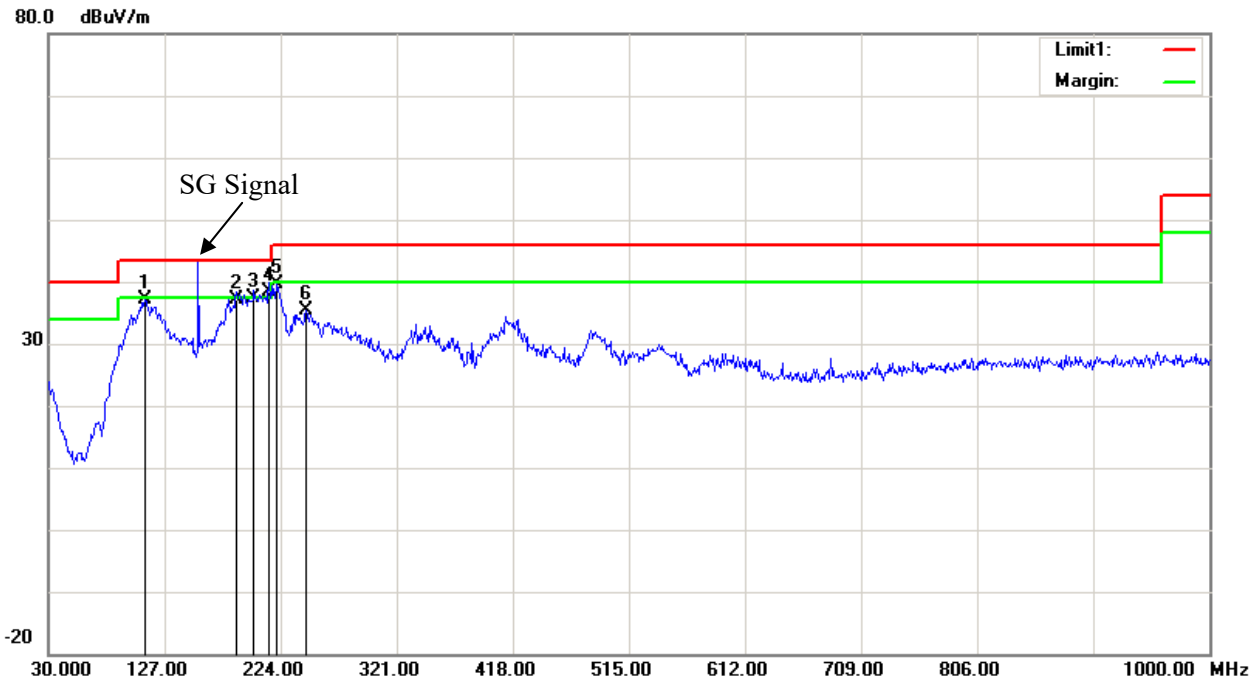
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 155 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	110.5100	48.30	peak	-11.28	37.02	43.50	6.48
2	187.1400	49.50	QP	-12.30	37.20	43.50	6.30
3	201.6900	49.19	QP	-11.69	37.50	43.50	6.00
4	214.3000	51.03	QP	-12.63	38.40	43.50	5.10
5	220.1200	52.06	peak	-12.50	39.56	46.00	6.44
6	245.3400	46.96	peak	-11.57	35.39	46.00	10.61

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

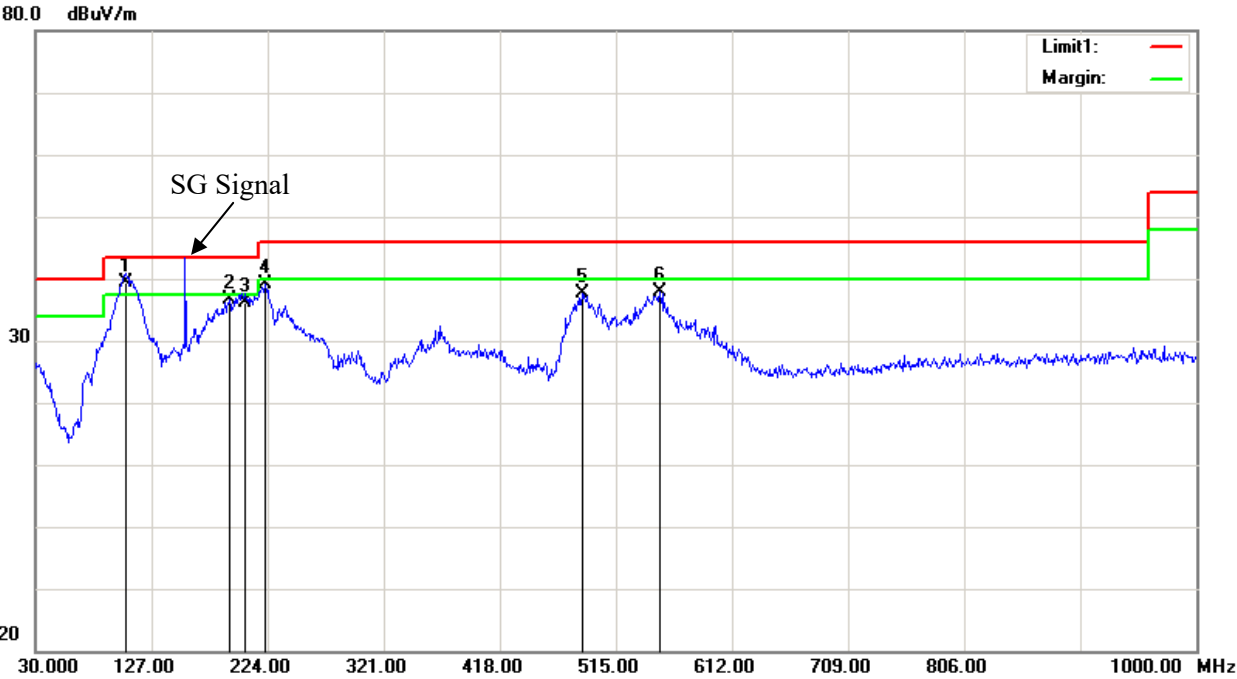
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 155 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	105.6600	51.92	QP	-12.62	39.30	43.50	4.20
2	191.9900	48.65	peak	-12.00	36.65	43.50	6.85
3	205.5700	48.27	QP	-12.07	36.20	43.50	7.30
4	222.0600	51.55	peak	-12.47	39.08	46.00	6.92
5	486.8700	42.01	peak	-4.38	37.63	46.00	8.37
6	551.8600	41.18	peak	-3.37	37.81	46.00	8.19

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

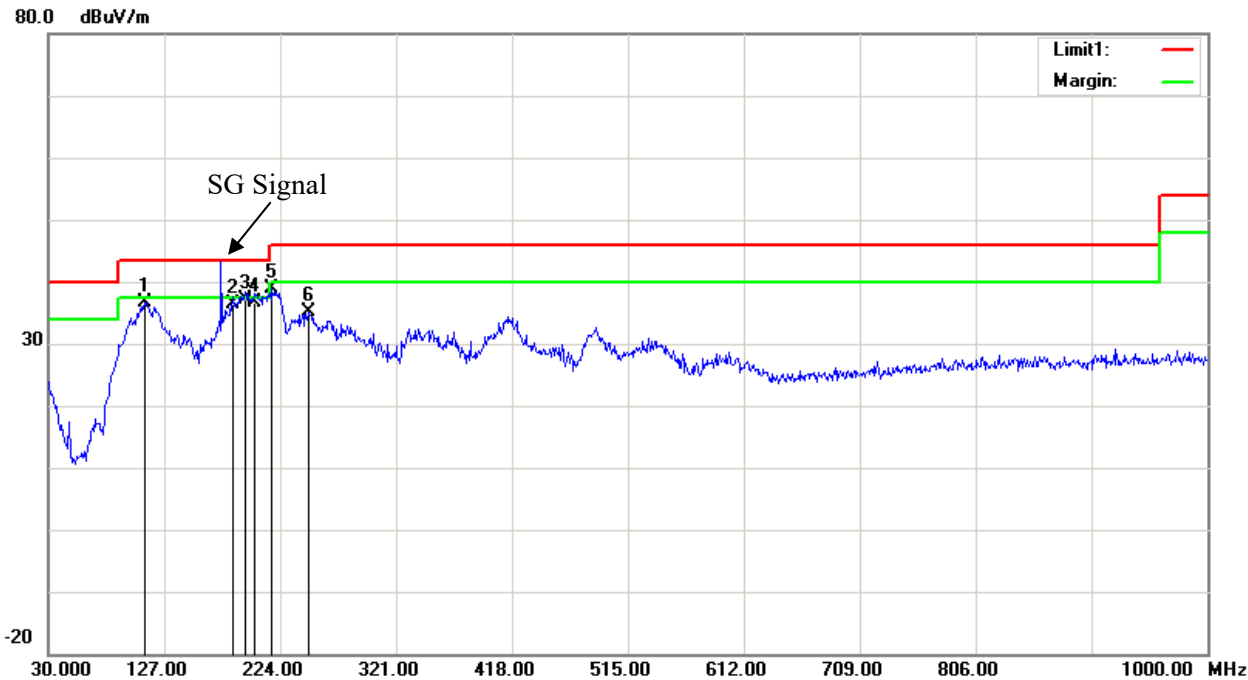
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 173.9875 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	110.5100	47.87	peak	-11.28	36.59	43.50	6.91
2	184.2300	48.80	QP	-12.40	36.40	43.50	7.10
3	194.9000	48.98	QP	-11.88	37.10	43.50	6.40
4	202.6600	48.38	QP	-11.78	36.60	43.50	6.90
5	217.2100	51.37	peak	-12.58	38.79	46.00	7.21
6	247.2800	46.58	peak	-11.52	35.06	46.00	10.94

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

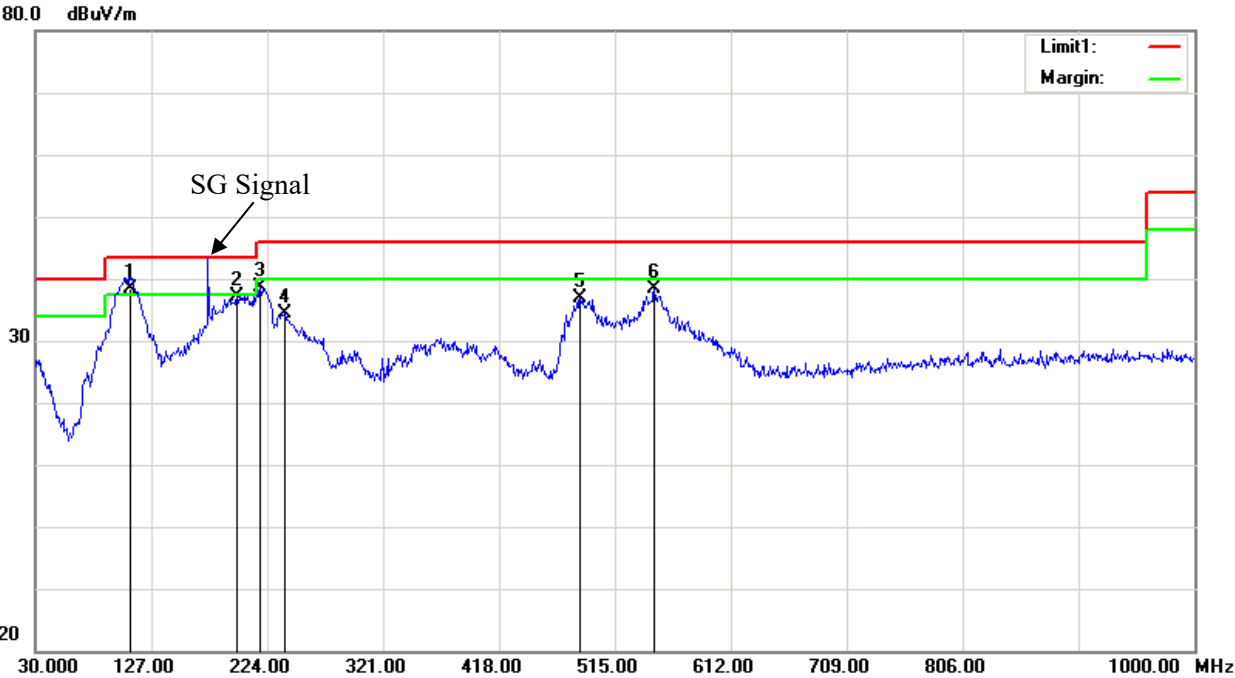
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Receiving

Power Source: AC 120V/60Hz

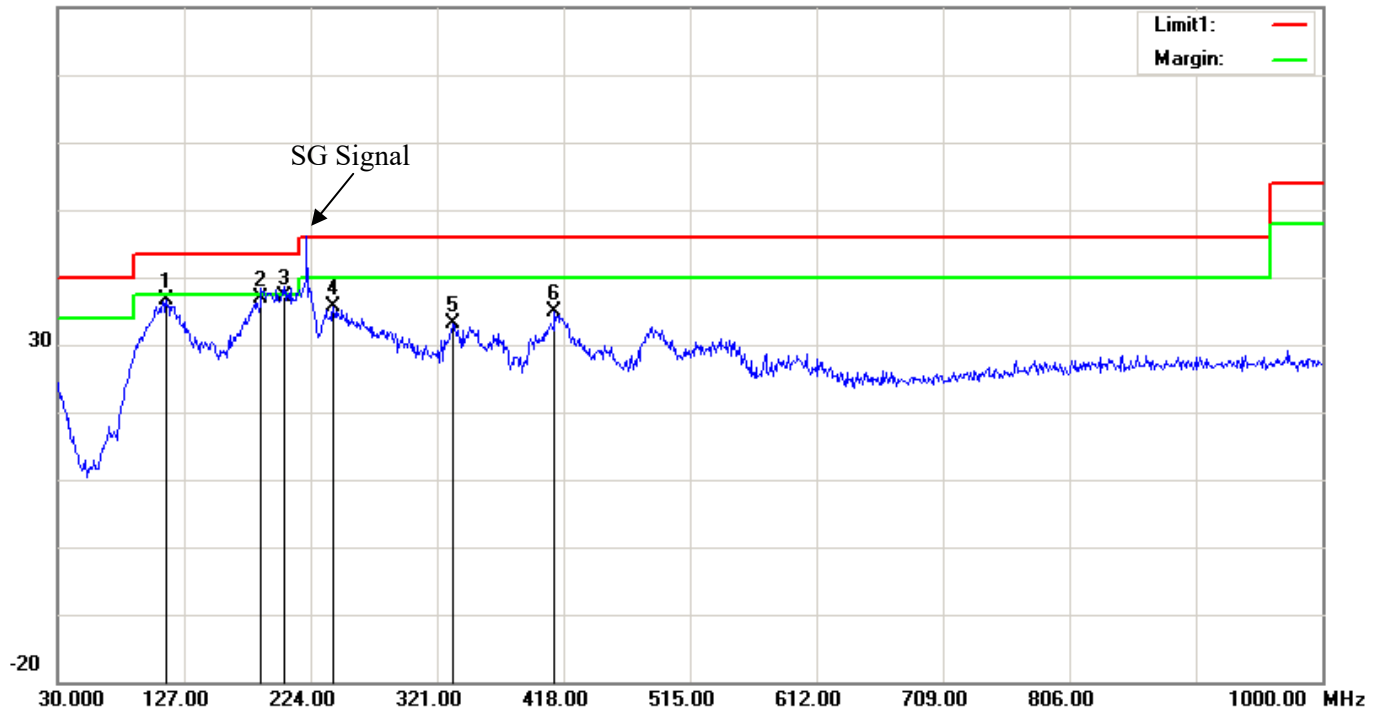
Note: 173.9875 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	109.5400	49.87	QP	-11.47	38.40	43.50	5.10
2	198.7800	48.67	peak	-11.54	37.13	43.50	6.37
3	218.1800	51.11	peak	-12.55	38.56	46.00	7.44
4	238.5500	46.21	peak	-11.84	34.37	46.00	11.63
5	485.9000	41.24	peak	-4.36	36.88	46.00	9.12
6	547.9800	41.79	peak	-3.53	38.26	46.00	7.74

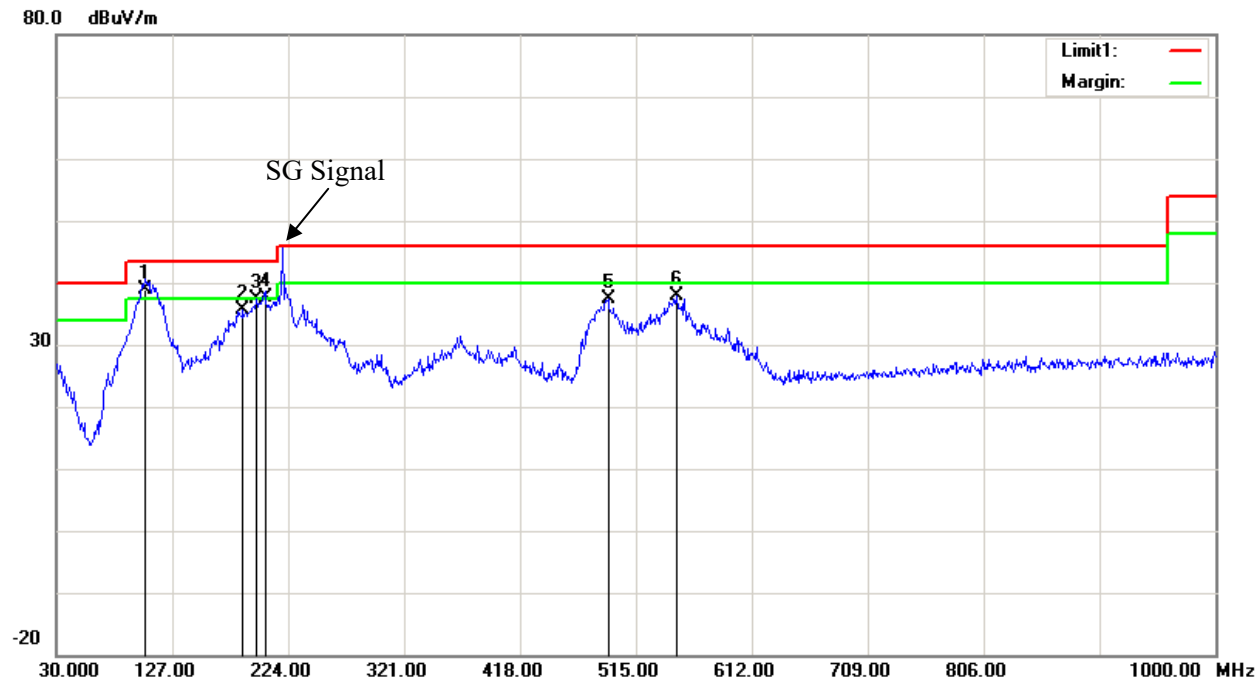
Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Horizontal
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 220.0125 MHz

80.0 dBuV/m



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	113.4200	47.48	peak	-10.77	36.71	43.50	6.79
2	186.1700	49.16	QP	-12.36	36.80	43.50	6.70
3	203.6300	48.97	QP	-11.87	37.10	43.50	6.40
4	241.4600	47.35	peak	-11.71	35.64	46.00	10.36
5	333.6100	41.90	peak	-8.80	33.10	46.00	12.90
6	411.2100	41.50	peak	-6.64	34.86	46.00	11.14

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 220.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	104.6900	51.82	QP	-12.92	38.90	43.50	4.60
2	186.1700	47.88	peak	-12.36	35.52	43.50	7.98
3	197.8100	49.07	peak	-11.57	37.50	43.50	6.00
4	204.6000	49.66	QP	-11.96	37.70	43.50	5.80
5	491.7200	41.80	peak	-4.43	37.37	46.00	8.63
6	548.9500	41.34	peak	-3.48	37.86	46.00	8.14

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

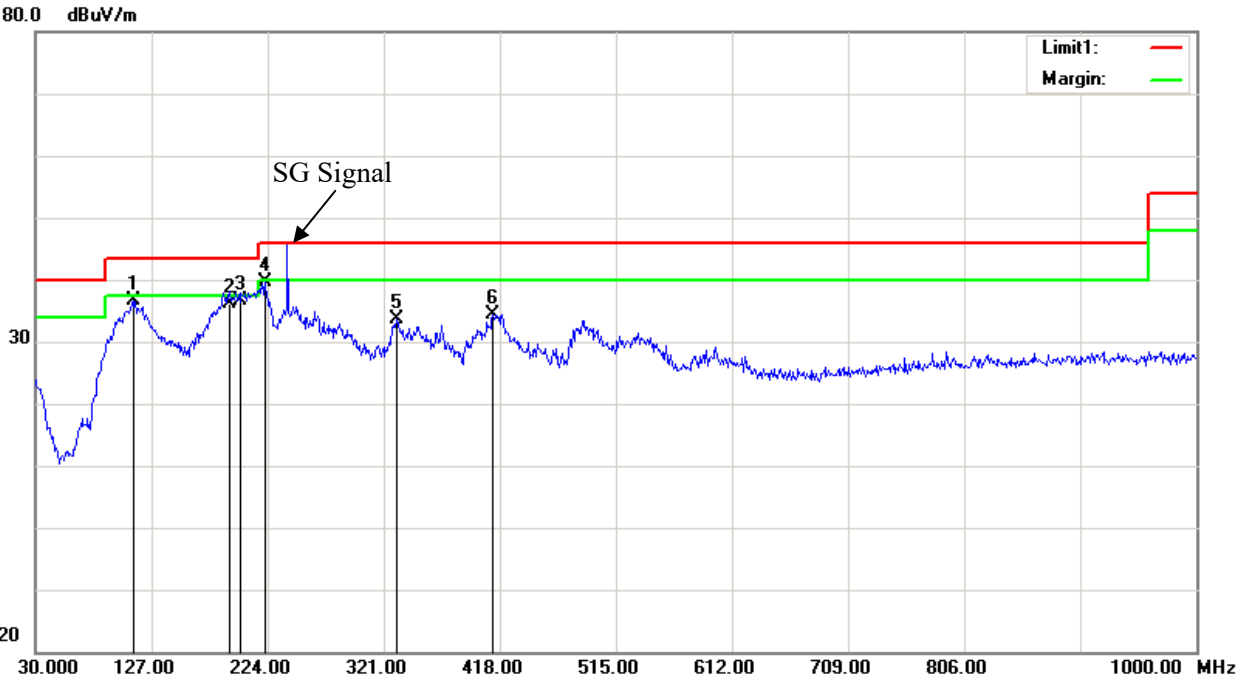
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 240 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	47.70	peak	-11.14	36.56	43.50	6.94
2	191.9900	48.20	QP	-12.00	36.20	43.50	7.30
3	201.6900	48.39	QP	-11.69	36.70	43.50	6.80
4	222.0600	52.03	peak	-12.47	39.56	46.00	6.44
5	331.6700	42.47	peak	-8.87	33.60	46.00	12.40
6	412.1800	41.10	peak	-6.62	34.48	46.00	11.52

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

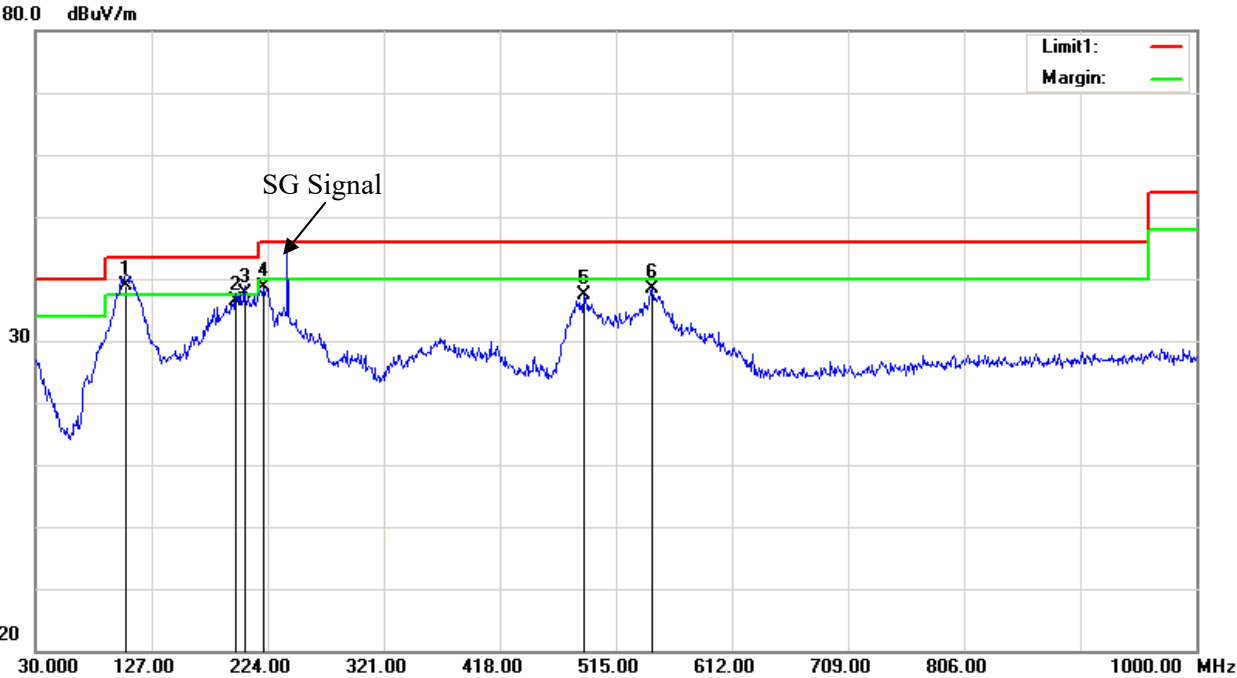
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 240 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	105.6600	51.52	QP	-12.62	38.90	43.50	4.60
2	196.8400	47.98	QP	-11.68	36.30	43.50	7.20
3	204.6000	49.66	QP	-11.96	37.70	43.50	5.80
4	220.1200	51.11	peak	-12.50	38.61	46.00	7.39
5	487.8400	41.73	peak	-4.41	37.32	46.00	8.68
6	545.0700	42.15	peak	-3.67	38.48	46.00	7.52

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

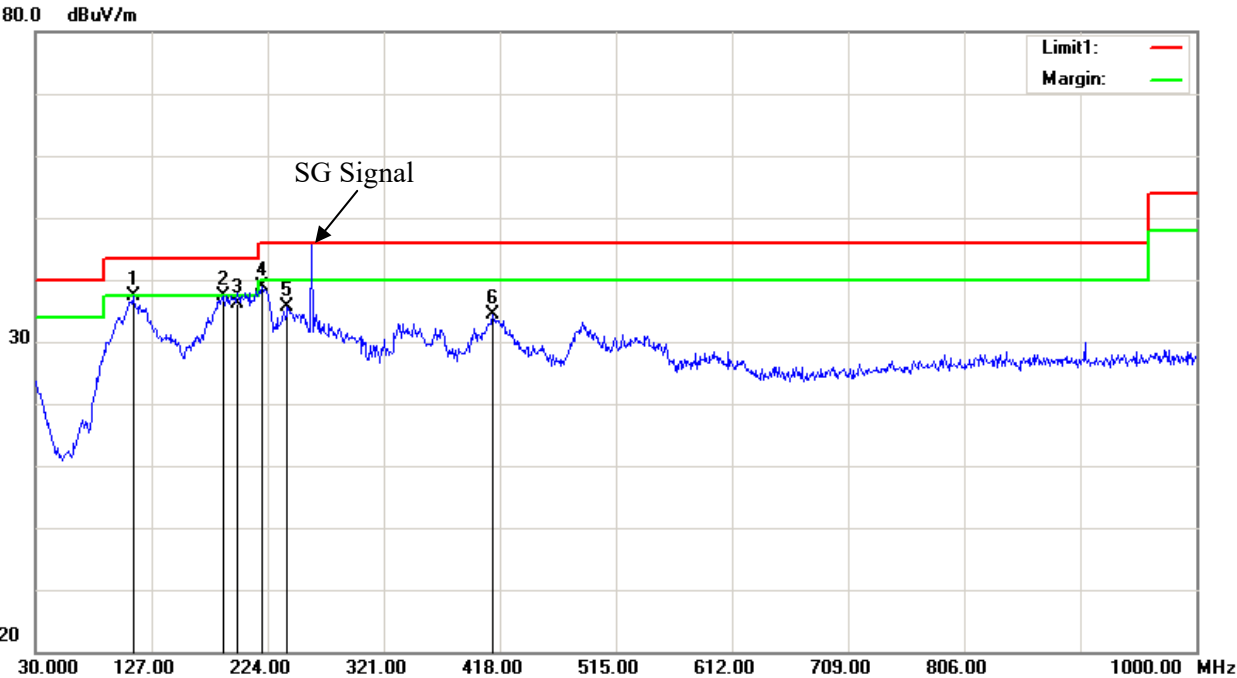
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

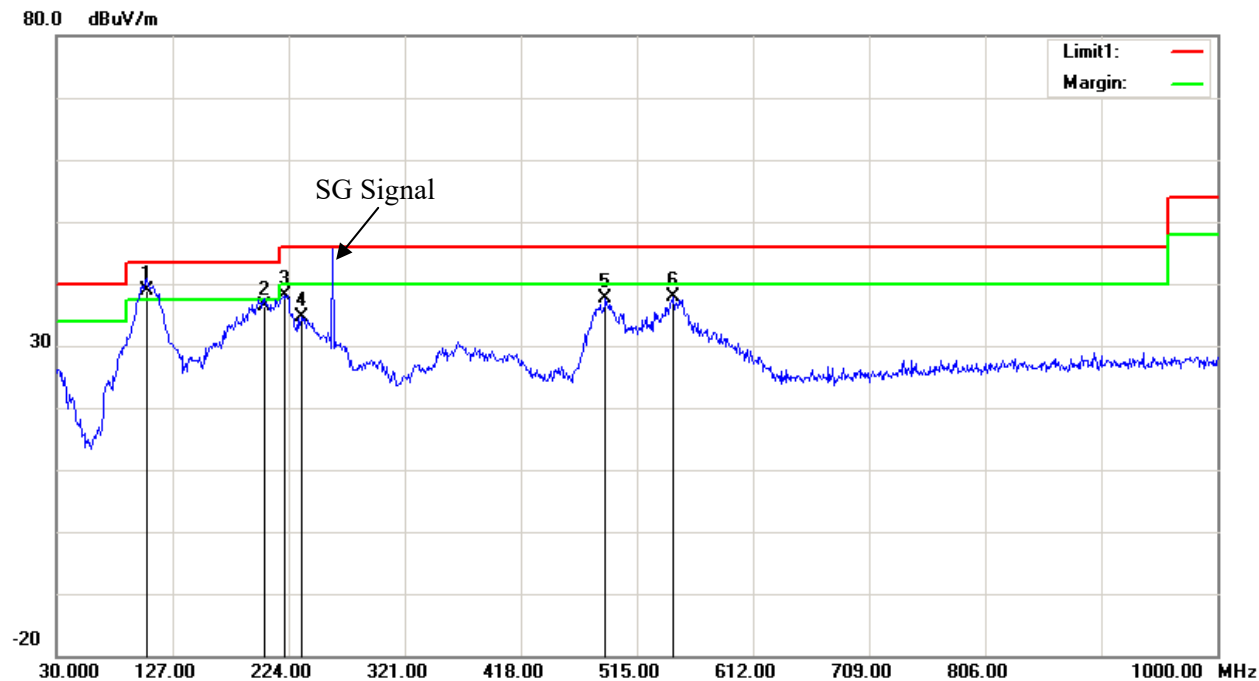
Power Source: AC 120V/60Hz

Note: 259.9875 MHz



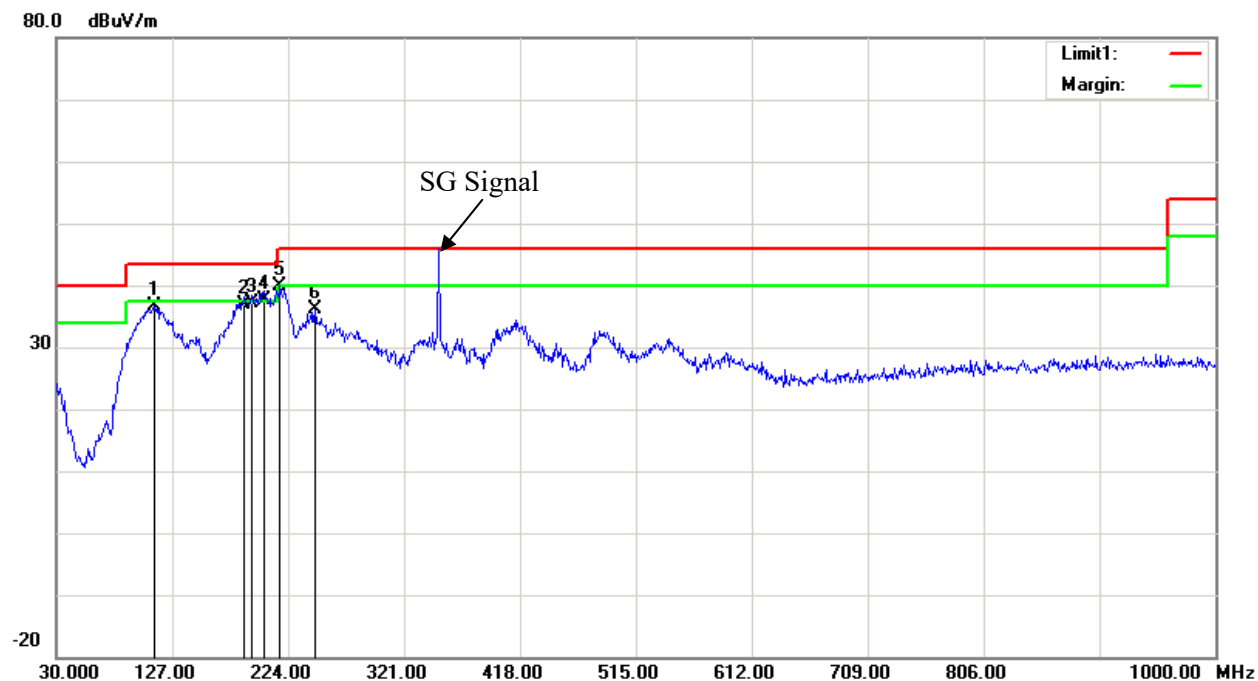
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	48.47	peak	-11.14	37.33	43.50	6.17
2	187.1400	49.78	peak	-12.30	37.48	43.50	6.02
3	198.7800	47.64	QP	-11.54	36.10	43.50	7.40
4	219.1500	51.43	peak	-12.53	38.90	46.00	7.10
5	240.4900	47.27	peak	-11.74	35.53	46.00	10.47
6	412.1800	40.93	peak	-6.62	34.31	46.00	11.69

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Vertical
 Test Mode: Receiving
 Power Source: AC 120V/60Hz
 Note: 259.9875 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	105.6600	51.52	QP	-12.62	38.90	43.50	4.60
2	203.6300	48.37	QP	-11.87	36.50	43.50	7.00
3	220.1200	50.75	peak	-12.50	38.25	46.00	7.75
4	234.6700	46.58	peak	-12.05	34.53	46.00	11.47
5	488.8100	42.07	peak	-4.43	37.64	46.00	8.36
6	545.0700	41.50	peak	-3.67	37.83	46.00	8.17

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Horizontal
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 350.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	112.4500	47.52	peak	-10.97	36.55	43.50	6.95
2	187.1400	49.10	QP	-12.30	36.80	43.50	6.70
3	193.9300	49.08	QP	-11.98	37.10	43.50	6.40
4	203.6300	49.47	QP	-11.87	37.60	43.50	5.90
5	217.2100	52.42	peak	-12.58	39.84	46.00	6.16
6	246.3100	47.70	peak	-11.55	36.15	46.00	9.85

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

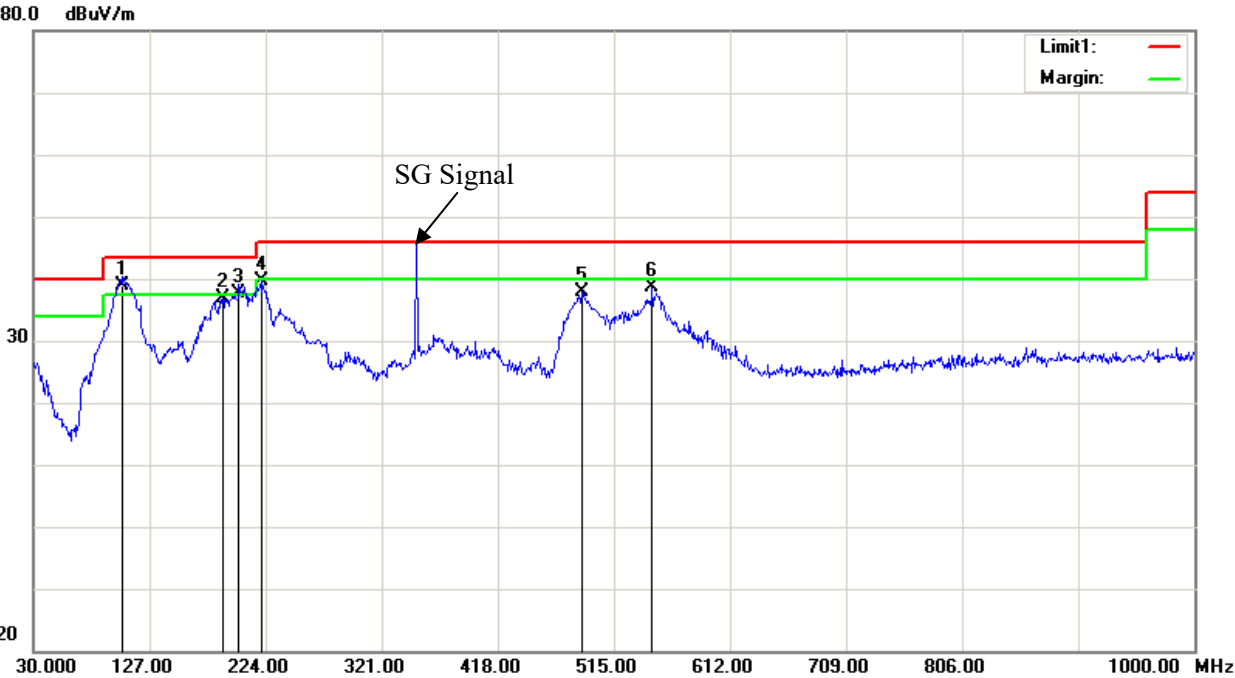
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Receiving

Power Source: AC 120V/60Hz

Note: 350.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	103.7200	52.15	QP	-13.25	38.90	43.50	4.60
2	188.1100	49.00	peak	-12.24	36.76	43.50	6.74
3	201.6900	49.39	QP	-11.69	37.70	43.50	5.80
4	220.1200	52.04	peak	-12.50	39.54	46.00	6.46
5	487.8400	42.25	peak	-4.41	37.84	46.00	8.16
6	547.0100	42.17	peak	-3.58	38.59	46.00	7.41

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

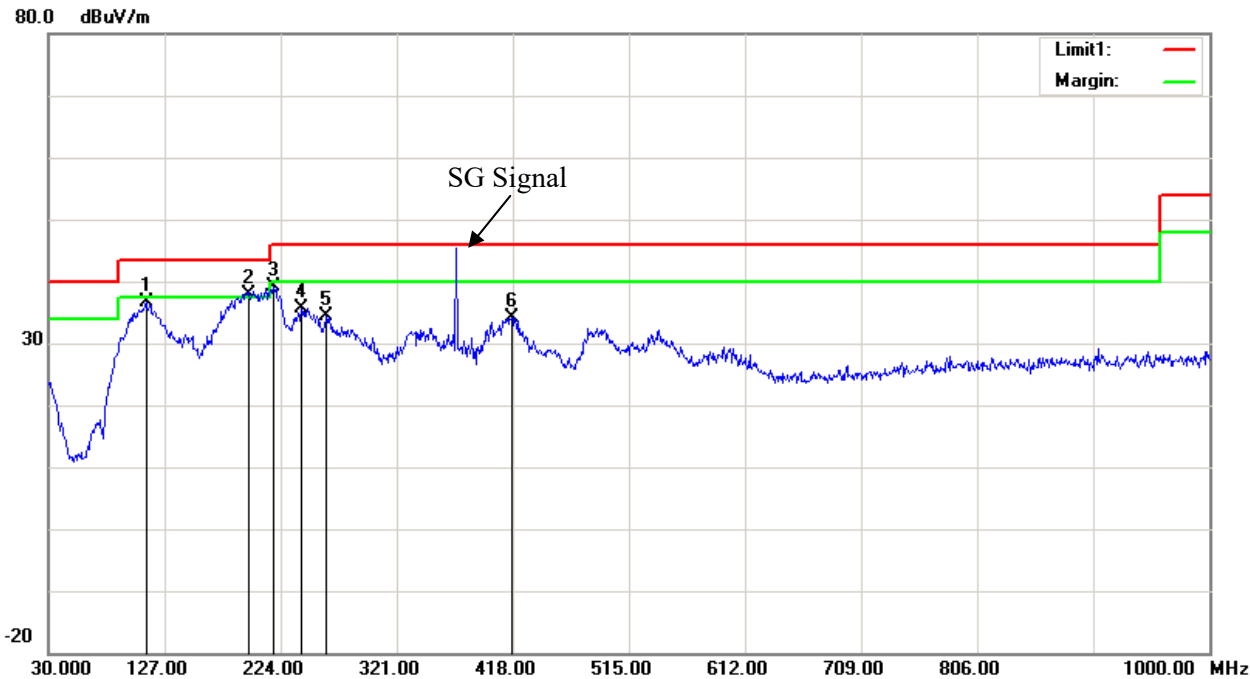
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

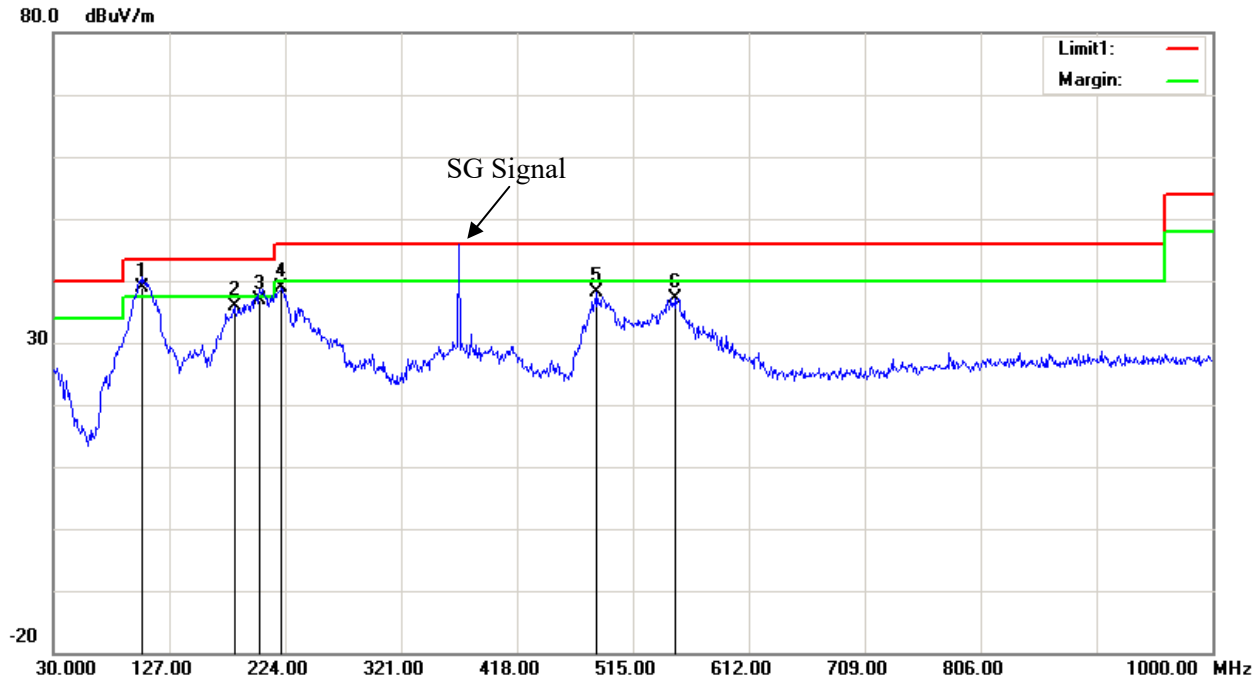
Power Source: AC 120V/60Hz

Note: 370 MHz



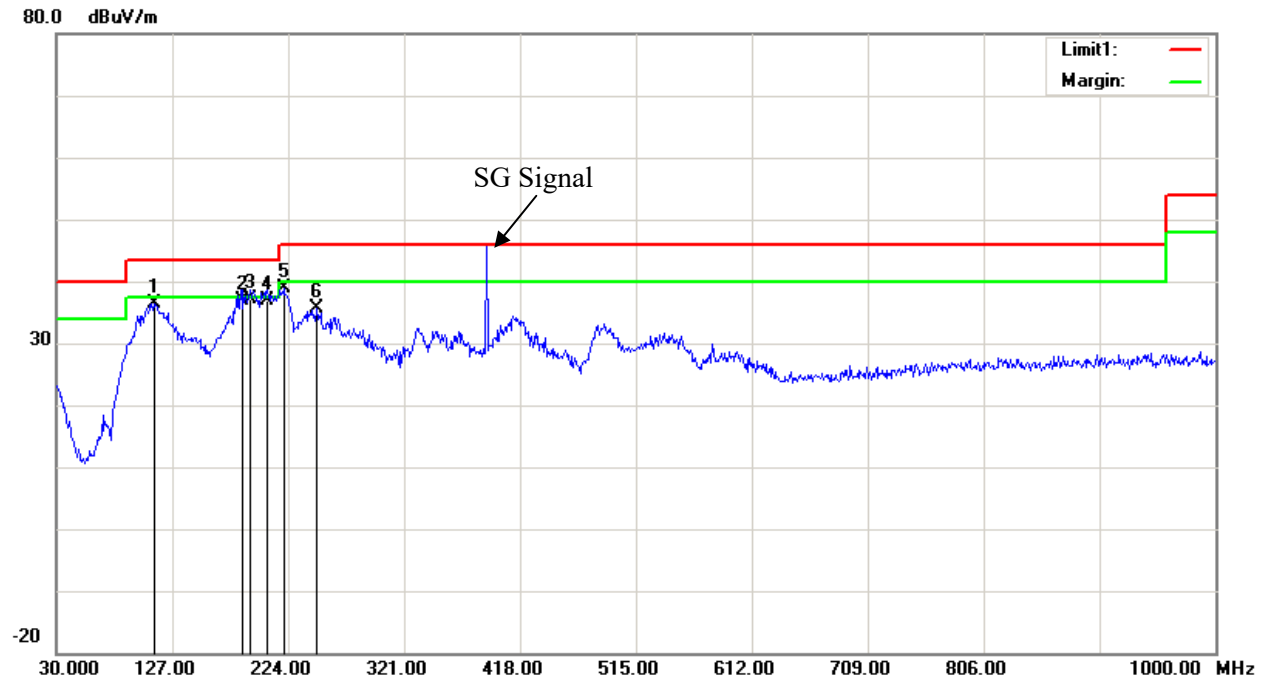
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	47.69	peak	-11.14	36.55	43.50	6.95
2	196.8400	49.48	QP	-11.68	37.80	43.50	5.70
3	218.1800	51.71	peak	-12.55	39.16	46.00	6.84
4	241.4600	47.45	peak	-11.71	35.74	46.00	10.26
5	261.8300	45.21	peak	-10.87	34.34	46.00	11.66
6	417.0300	40.67	peak	-6.45	34.22	46.00	11.78

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 370 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	104.6900	51.72	QP	-12.92	38.80	43.50	4.70
2	181.3200	48.11	peak	-12.27	35.84	43.50	7.66
3	202.6600	48.68	QP	-11.78	36.90	43.50	6.60
4	221.0900	51.44	peak	-12.48	38.96	46.00	7.04
5	484.9300	42.47	peak	-4.34	38.13	46.00	7.87
6	550.8900	40.47	peak	-3.40	37.07	46.00	8.93

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Horizontal
 Test Mode: Receiving
 Power Source: AC 120V/60Hz
 Note: 389.9875 MHz



No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	47.62	peak	-11.14	36.48	43.50	7.02
2	186.1700	49.26	QP	-12.36	36.90	43.50	6.60
3	191.9900	49.10	QP	-12.00	37.10	43.50	6.40
4	206.5400	48.97	QP	-12.17	36.80	43.50	6.70
5	220.1200	51.36	peak	-12.50	38.86	46.00	7.14
6	248.2500	47.09	peak	-11.50	35.59	46.00	10.41

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

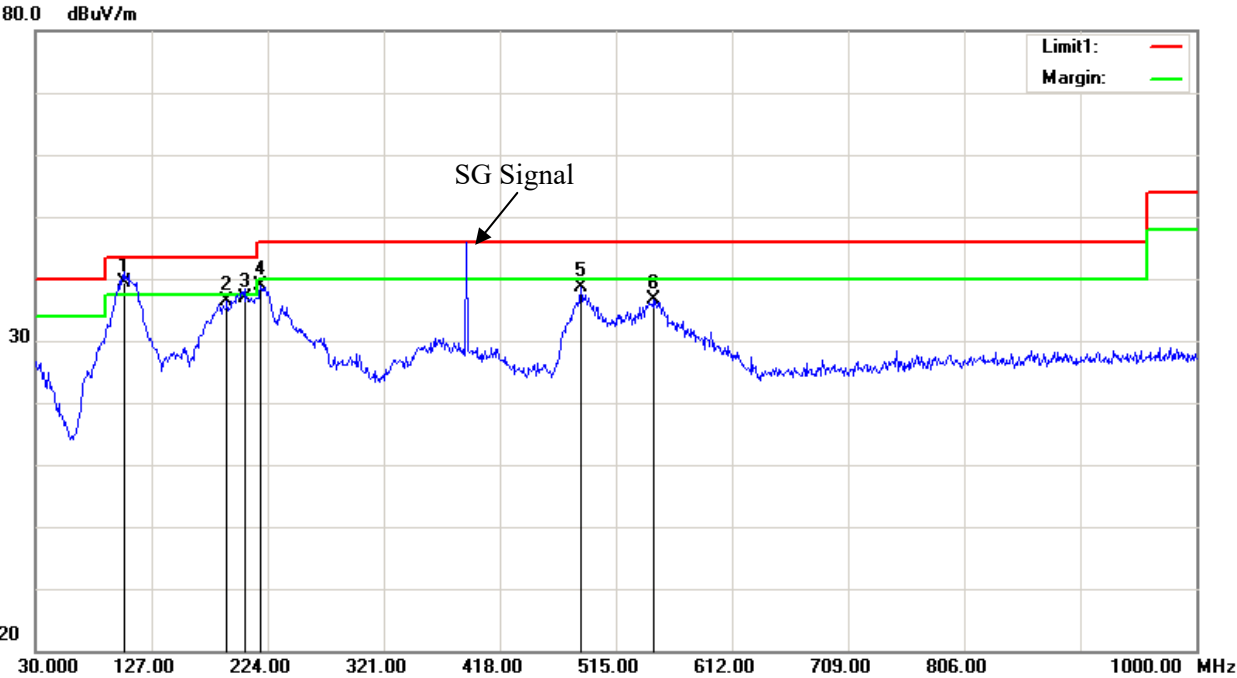
Test Date: 2024-1-30

Polarization: Vertical

Test Mode: Receiving

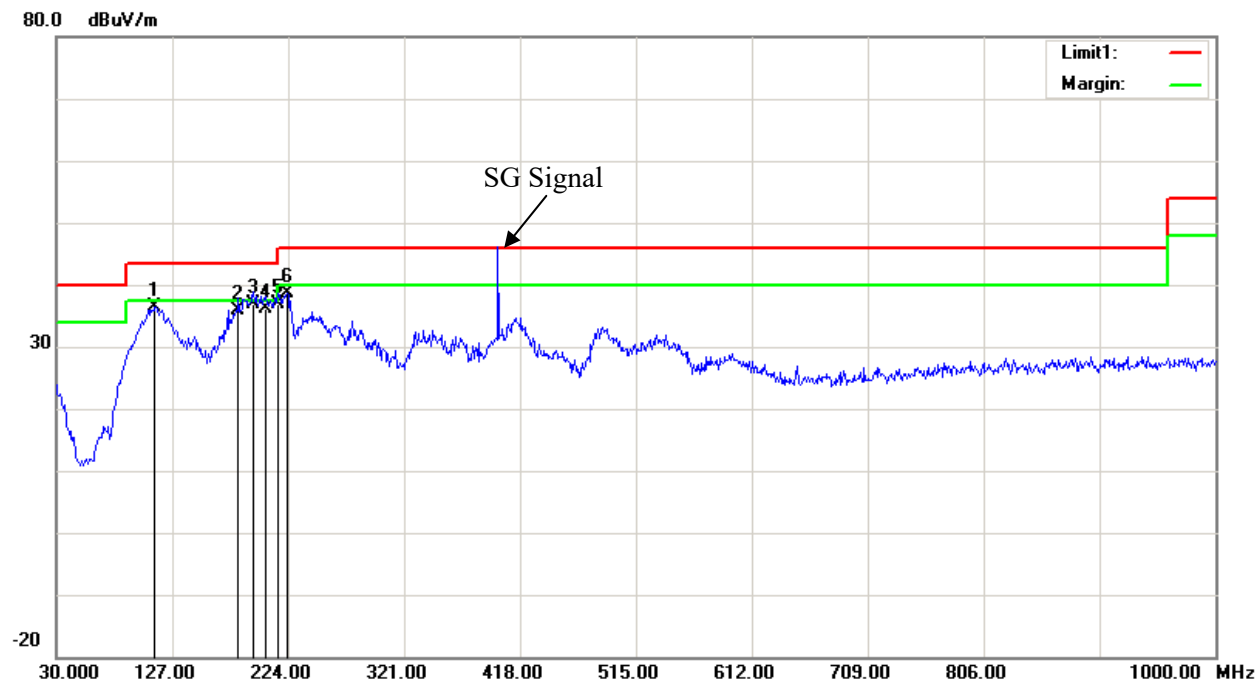
Power Source: AC 120V/60Hz

Note: 389.9875 MHz



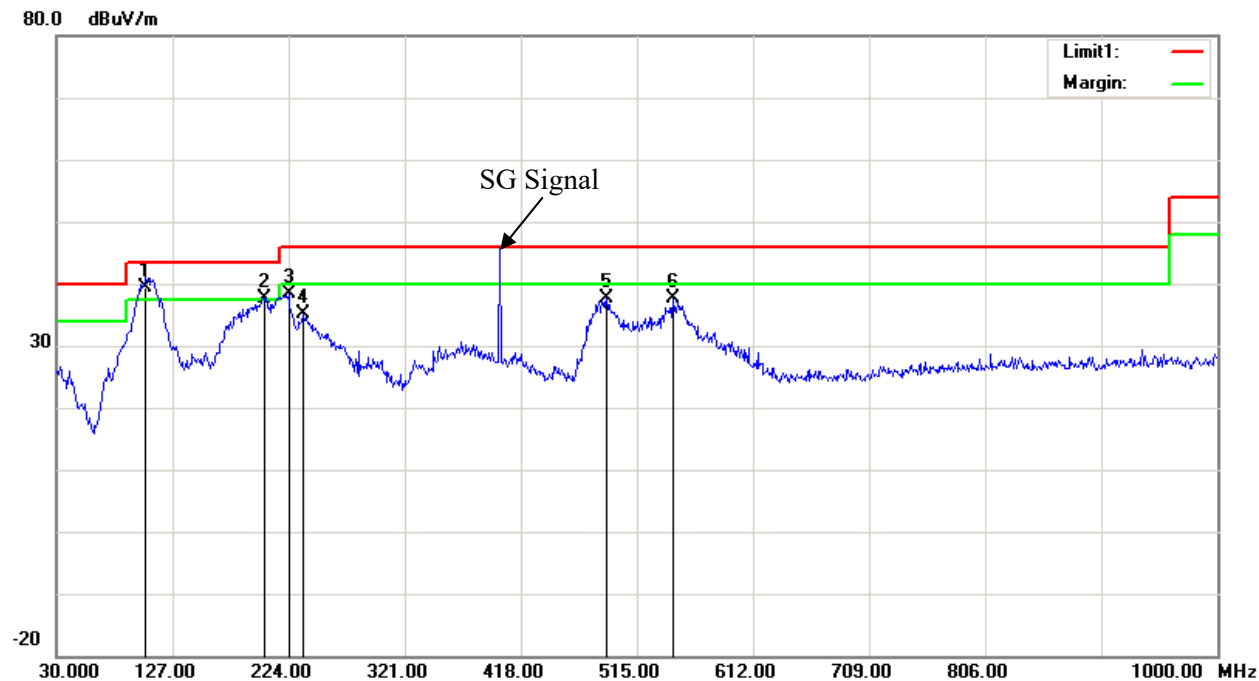
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	103.7200	52.65	QP	-13.25	39.40	43.50	4.10
2	190.0500	48.41	peak	-12.12	36.29	43.50	7.21
3	204.6000	48.76	QP	-11.96	36.80	43.50	6.70
4	218.1800	51.46	peak	-12.55	38.91	46.00	7.09
5	485.9000	43.02	peak	-4.36	38.66	46.00	7.34
6	547.0100	40.11	peak	-3.58	36.53	46.00	9.47

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Horizontal
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 400.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	112.4500	47.43	peak	-10.97	36.46	43.50	7.04
2	182.2900	48.16	QP	-12.26	35.90	43.50	7.60
3	194.9000	48.78	QP	-11.88	36.90	43.50	6.60
4	205.5700	48.27	QP	-12.07	36.20	43.50	7.30
5	215.2700	49.42	QP	-12.62	36.80	43.50	6.70
6	223.0300	51.09	peak	-12.45	38.64	46.00	7.36

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Vertical
 Test Mode: Receiving
 Power Source: AC 120V/60Hz
 Note: 400.0125 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	104.6900	52.32	QP	-12.92	39.40	43.50	4.10
2	203.6300	49.49	peak	-11.87	37.62	43.50	5.88
3	224.0000	50.84	peak	-12.43	38.41	46.00	7.59
4	236.6100	47.12	peak	-11.94	35.18	46.00	10.82
5	489.7800	42.15	peak	-4.45	37.70	46.00	8.30
6	545.0700	41.20	peak	-3.67	37.53	46.00	8.47

Project No: XMTN1240117-04004E-RF

Test Engineer: Zoo Zou

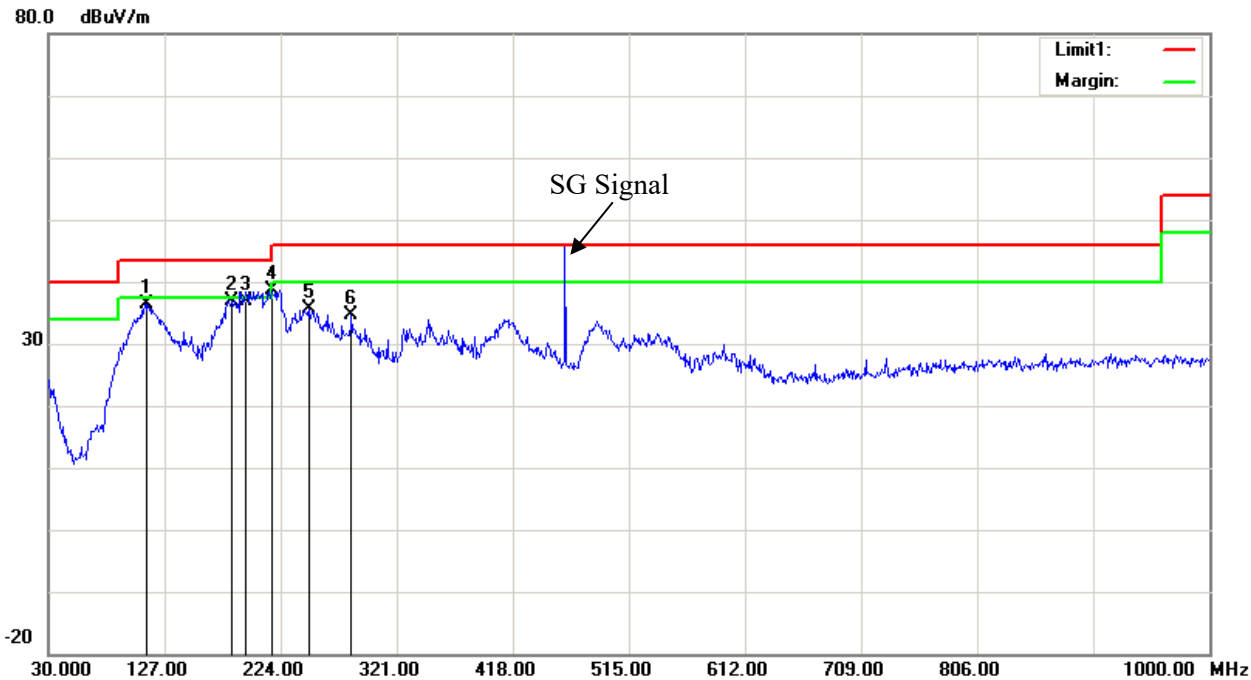
Test Date: 2024-1-30

Polarization: Horizontal

Test Mode: Receiving

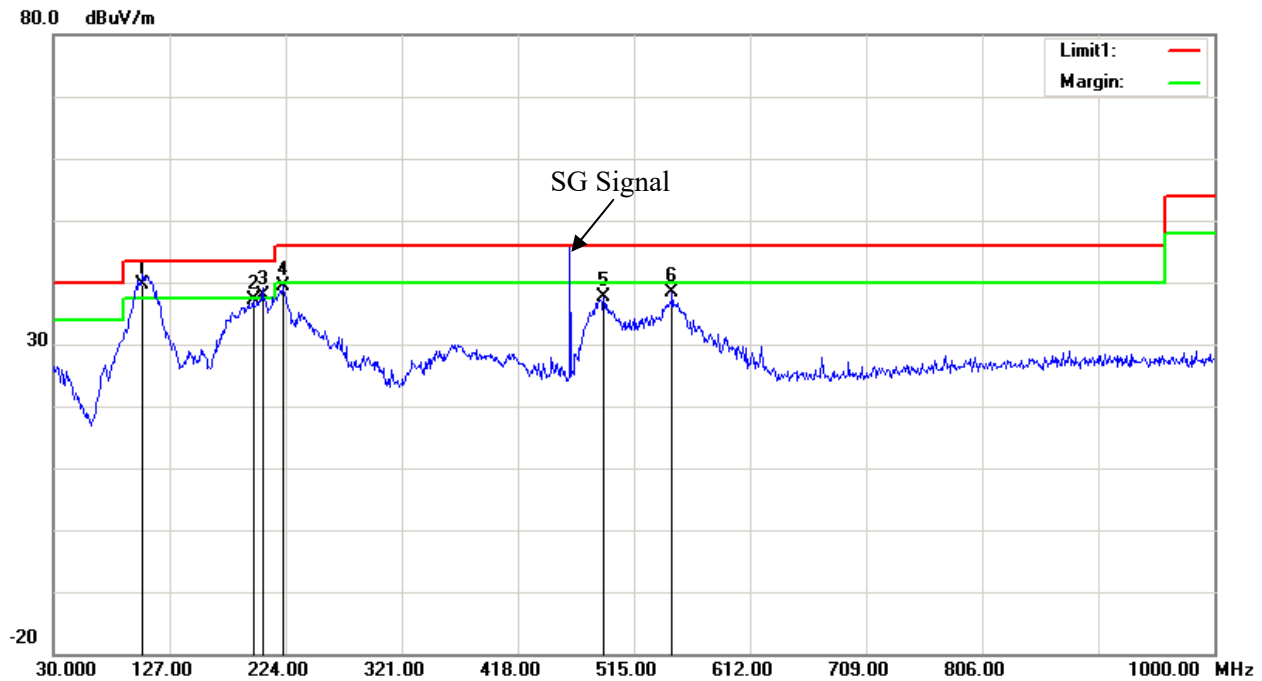
Power Source: AC 120V/60Hz

Note: 460 MHz



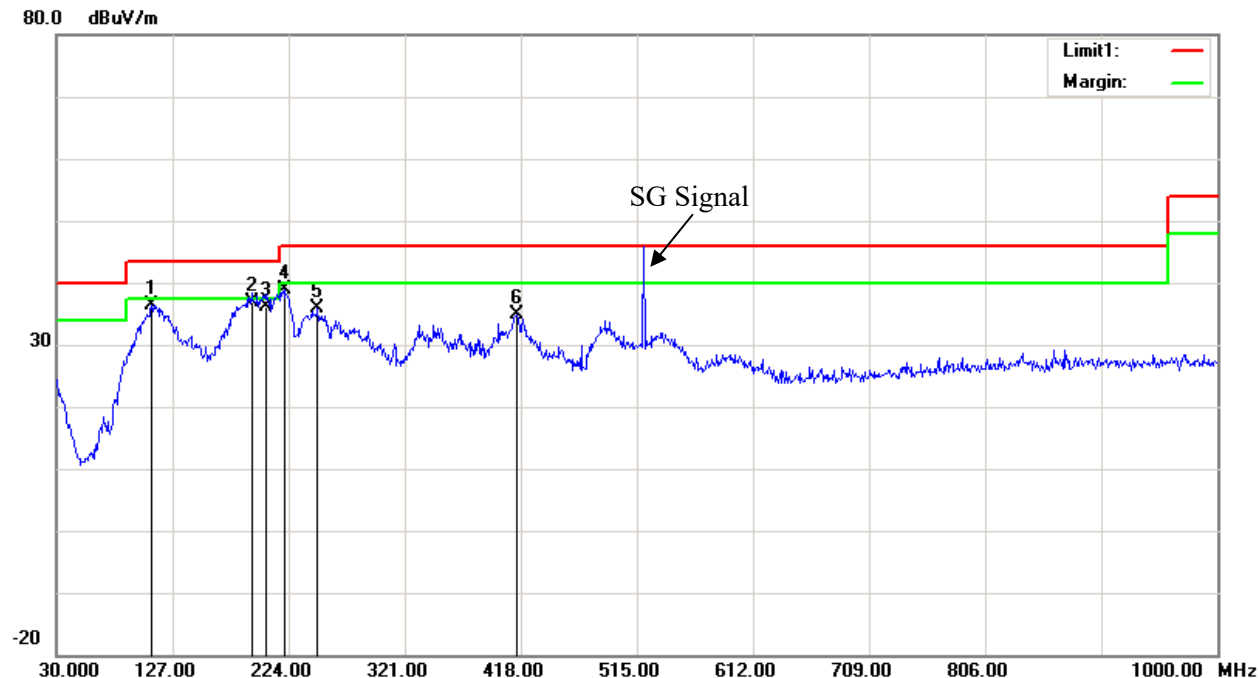
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	111.4800	47.60	peak	-11.14	36.46	43.50	7.04
2	183.2600	49.29	peak	-12.35	36.94	43.50	6.56
3	194.9000	48.68	QP	-11.88	36.80	43.50	6.70
4	216.2400	51.33	peak	-12.60	38.73	46.00	7.27
5	247.2800	47.20	peak	-11.52	35.68	46.00	10.32
6	283.1700	44.26	peak	-9.65	34.61	46.00	11.39

Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 460 MHz



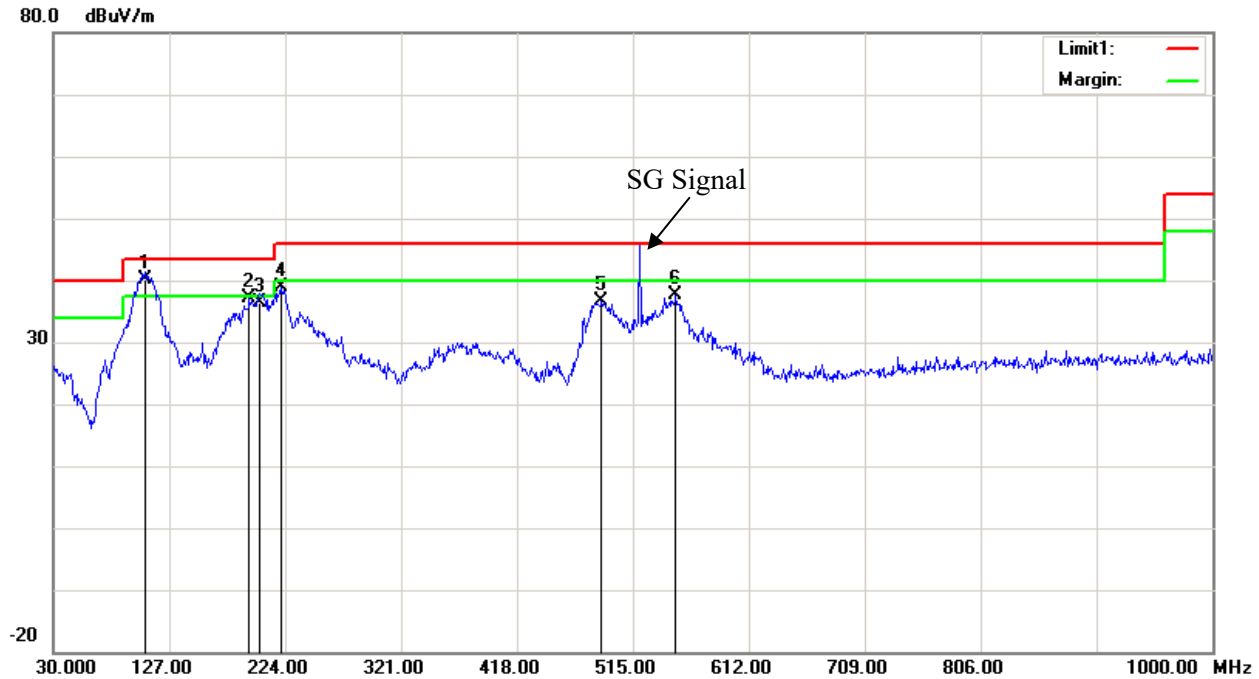
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	104.6900	52.62	QP	-12.92	39.70	43.50	3.80
2	196.8400	48.93	peak	-11.68	37.25	43.50	6.25
3	204.6000	49.76	QP	-11.96	37.80	43.50	5.70
4	222.0600	51.75	peak	-12.47	39.28	46.00	6.72
5	489.7800	42.05	peak	-4.45	37.60	46.00	8.40
6	547.0100	41.95	peak	-3.58	38.37	46.00	7.63

Project No: XMTN1240117-04004E-RF
 Test Engineer: Zoo Zou
 Test Date: 2024-1-30
 Polarization: Horizontal
 Test Mode: Receiving
 Power Source: AC 120V/60Hz
 Note: 519.9875 MHz



No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	109.5400	47.91	peak	-11.47	36.44	43.50	7.06
2	192.9600	48.79	QP	-11.99	36.80	43.50	6.70
3	204.6000	48.16	QP	-11.96	36.20	43.50	7.30
4	220.1200	51.44	peak	-12.50	38.94	46.00	7.06
5	248.2500	47.38	peak	-11.50	35.88	46.00	10.12
6	414.1200	41.42	peak	-6.59	34.83	46.00	11.17

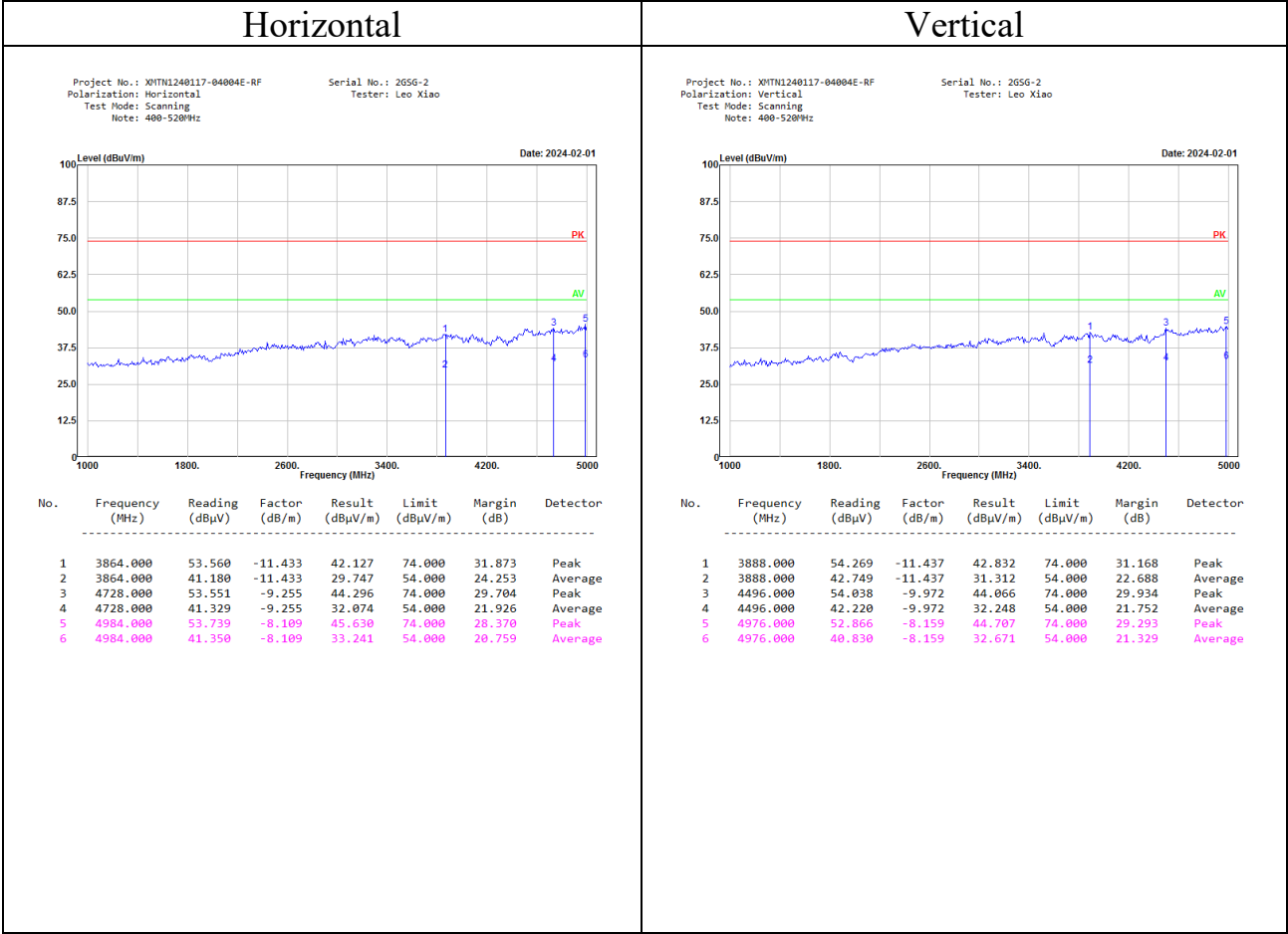
Project No: XMTN1240117-04004E-RF
Test Engineer: Zoo Zou
Test Date: 2024-1-30
Polarization: Vertical
Test Mode: Receiving
Power Source: AC 120V/60Hz
Note: 519.9875 MHz



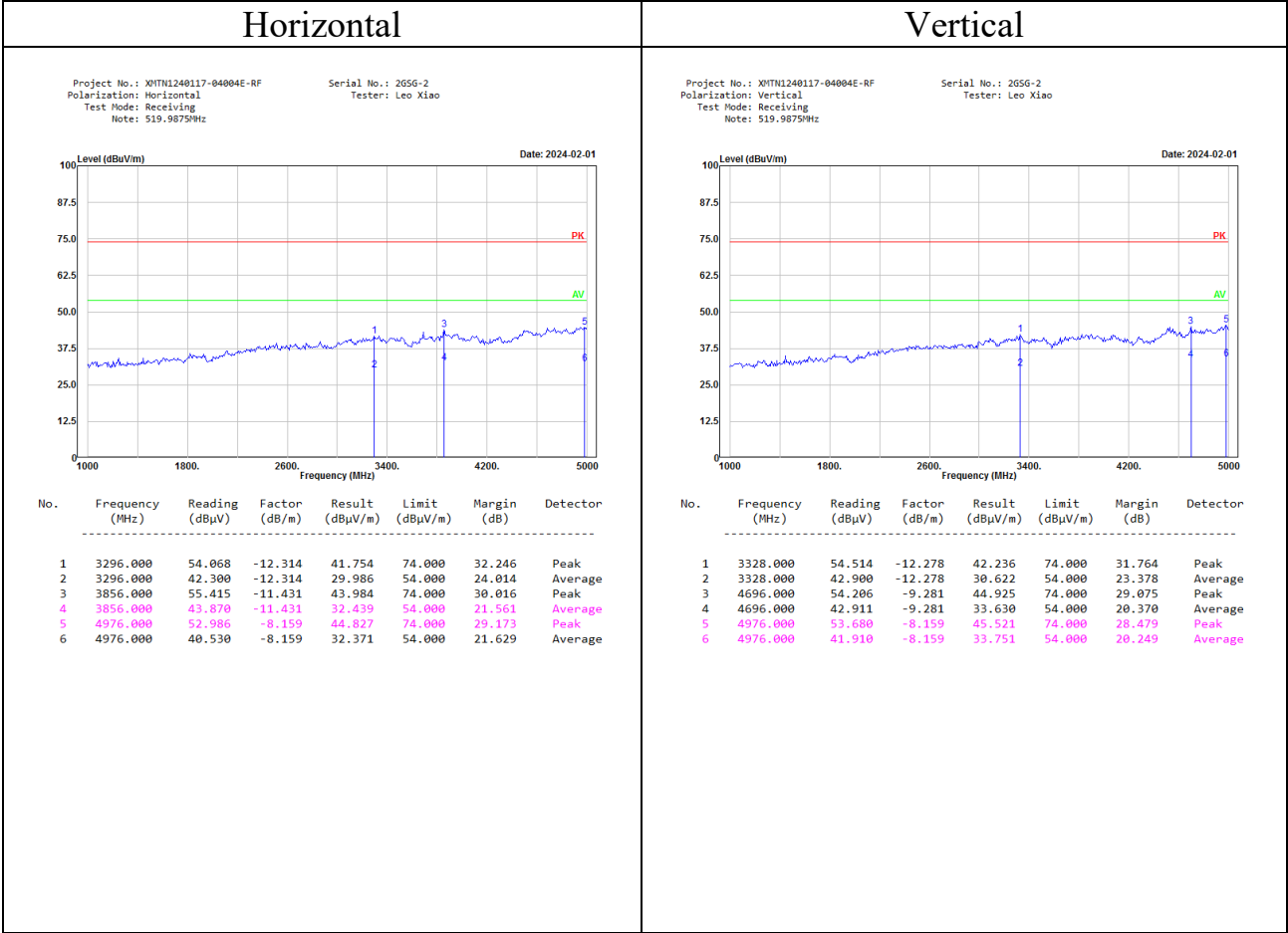
No.	Frequency (MHz)	Reading (dBμV)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	106.6300	52.52	QP	-12.32	40.20	43.50	3.30
2	193.9300	49.01	peak	-11.98	37.03	43.50	6.47
3	202.6600	48.08	QP	-11.78	36.30	43.50	7.20
4	220.1200	51.36	peak	-12.50	38.86	46.00	7.14
5	488.8100	41.04	peak	-4.43	36.61	46.00	9.39
6	550.8900	40.94	peak	-3.40	37.54	46.00	8.46

2) 1GHz-5GHz:

Scanning mode (400-520 MHz was the worst)



Receiving mode (519.9875 MHz was the worst)



4.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers

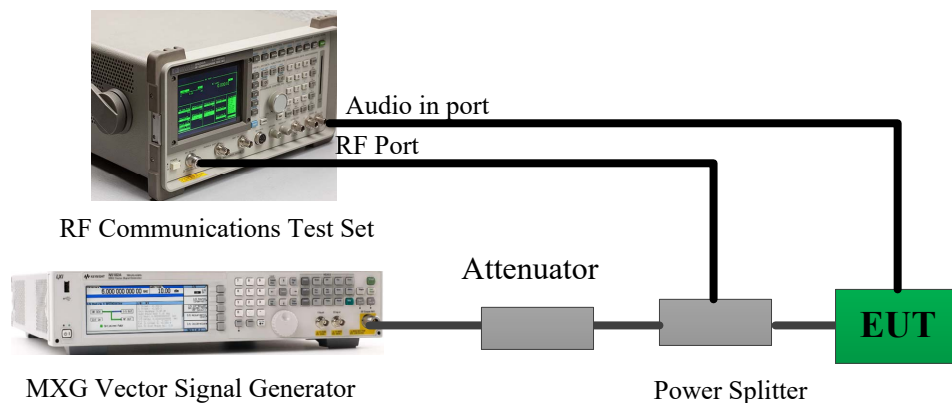
4.3.1 Applicable Standard

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

4.3.3 Test Data and Result

Serial Number:	2GSG-1	Test Date:	2024/3/2
Test Site:	RF	Test Mode:	Scanning
Tester:	Stu Song	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	18.1	Relative Humidity: (%)	39	ATM Pressure: (kPa)	101.8

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010012	2023/9/1	2024/8/31
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41010013	2023/9/1	2024/8/31
yzjingcheng	Coaxial Cable	KTRFBU-141-50	41005011	2023/9/1	2024/8/31
Weinschel	Coaxial Attenuators	53-20-34	LN749	2023/9/1	2024/8/31
HP	RF Communications Test Set	8920A	3438A05201	2023/10/18	2024/10/17
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2023/9/1	2024/8/31
Minl-Clrucits	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)
108-136	824, 836, 849, 869,881.5, 894	48	>38
136-174	824, 836, 849, 869,881.5, 894	49	>38
220-260	824, 836, 849, 869,881.5, 894	47	>38
350-390	824, 836, 849, 869,881.5, 894	48	>38
400-520	824, 836, 849, 869,881.5, 894	46	>38

APPENDIX A - EUT PHOTOGRAPHS

Please refer to the attachment XMTN1240117-04004E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and XMTN1240117-04004E-RF-INP EUT INTERNAL PHOTOGRAPHS

APPENDIX B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment XMTN1240117-04004E-RF-00A-TSP TEST SETUP PHOTOGRAPHS.

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