

TEST REPORT

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

Address: Room 1508, 15/F, Office Tower II, Grand Plaza, 625 Nathan Road,
Kowloon, Hong Kong

Product Name: Amateur Radio

FCC ID: 2AJGM-NA26GB

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

Report Number: 2402V60428E-RF-00B

Report Date: 2024/8/14

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	2402V60428E-RF-00B	Original Report	2024/8/14

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

Product Name:	Amateur Radio
Test Model:	AR26
Multiple Models:	NA26GB, GBD26
Highest Operation Frequency:	2480 MHz
Rated Input Voltage:	DC 7.4V from battery or DC 5V from Adapter
Serial Number:	2O8N-1
EUT Received Date:	2024/7/10
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	Jiangxi Jian Aohai Technology Co., Ltd.	A318-050100W-US2	Input: 100-240Vac 50/60Hz 0.2A Output: 5Vdc 1A

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	108-136	108-136
	136-174	136-174
	220-260	220-260
	350-390	350-390
	400-520	400-520
Receiving	108-136	108.0125, 122, 135.9875
	136-174	136.0125, 155, 173.9875
	220-260	220.0125, 240, 259.9875
	350-390	350.0125, 370, 389.9875
	400-520	400.0125, 460, 519.9875

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

3.3 EUT Exercise Software

No software was used to test.

3.4 Support Equipment List and Details

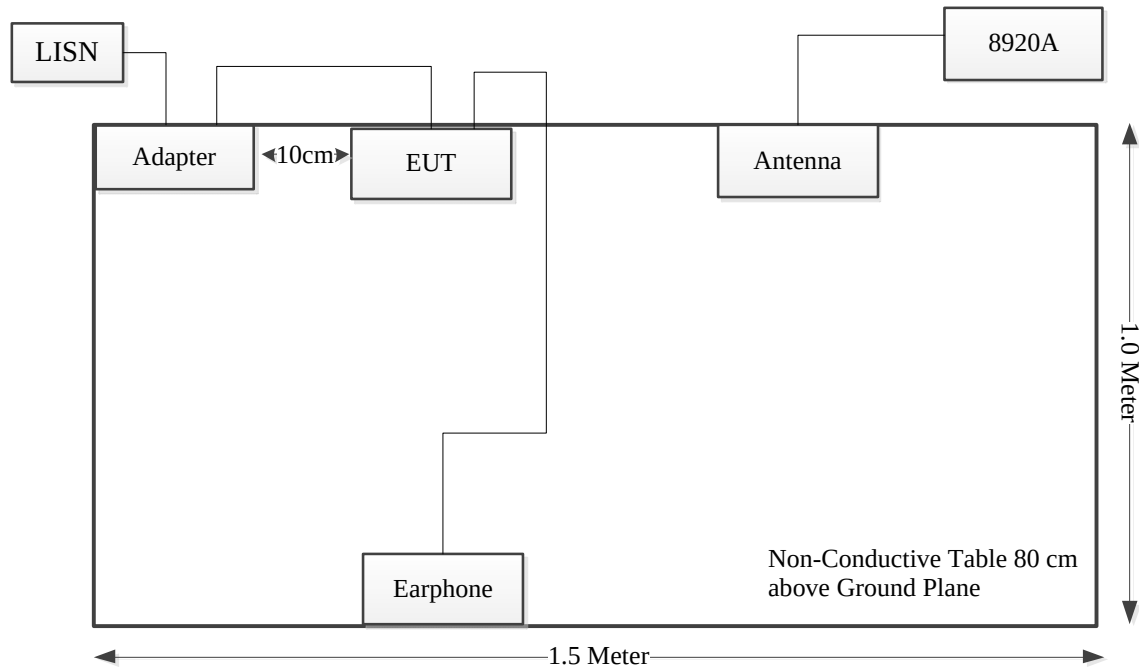
Manufacturer	Description	Model	Serial Number
Unknown	Antenna	Unknown	Antenna 02
Unknown	Antenna	Unknown	Antenna 01
HP	RF Communications Test Set	8920A	3438A05201

3.5 Support Cable List and Details

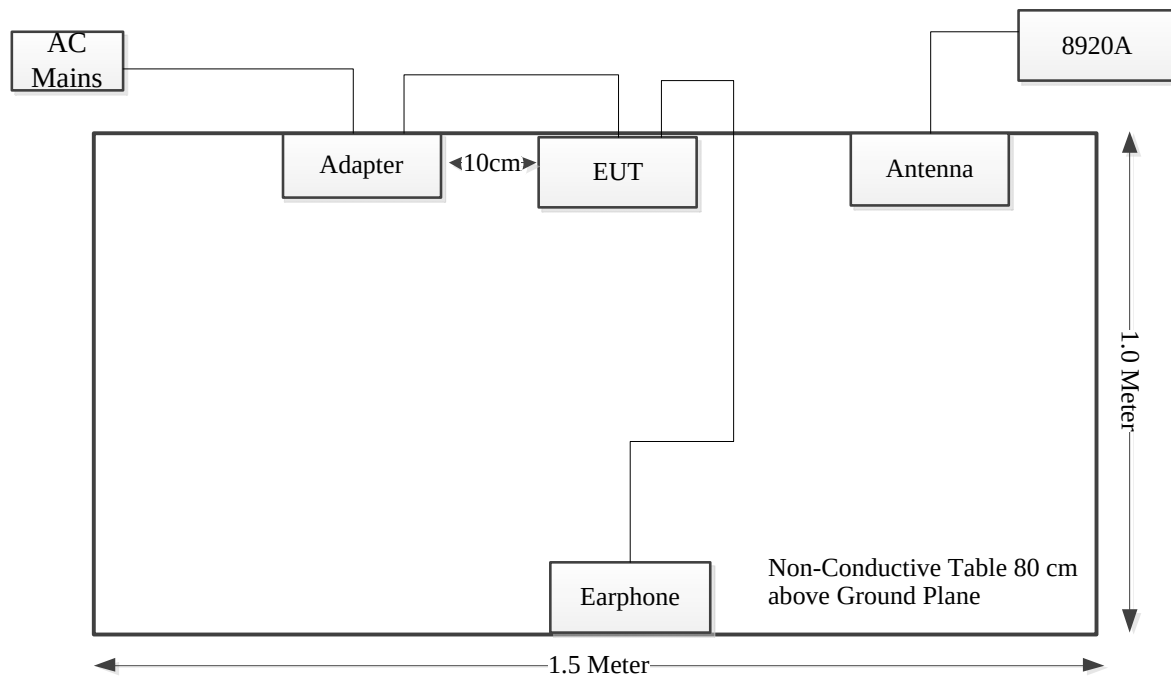
Cable Description	Shielding Cable	Ferrite Core	Length (m)	From Port	To
Adapter cable	No	No	0.8	Adapter	EUT
Earphone cable	No	No	1	Earphone	EUT
Antenna cable	No	No	10	Antenna	8920A

3.6 Block Diagram of Test Setup

AC line conducted emissions:



Radiated Spurious Emissions:



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

4. REQUIREMENTS AND TEST RESULTS

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

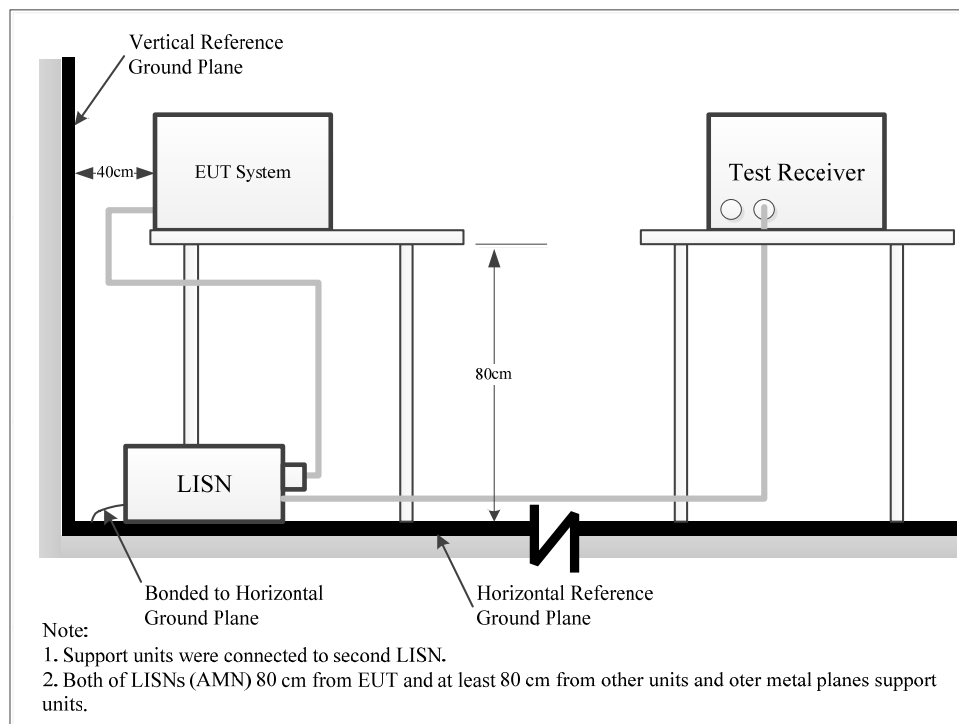
FCC§15.107

(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 EUT 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:	2O8N-1	Test Date:	2024/7/16
Test Site:	CE	Test Mode:	M1, M2
Tester:	Lane Sun	Test Result:	Pass

Environmental Conditions:

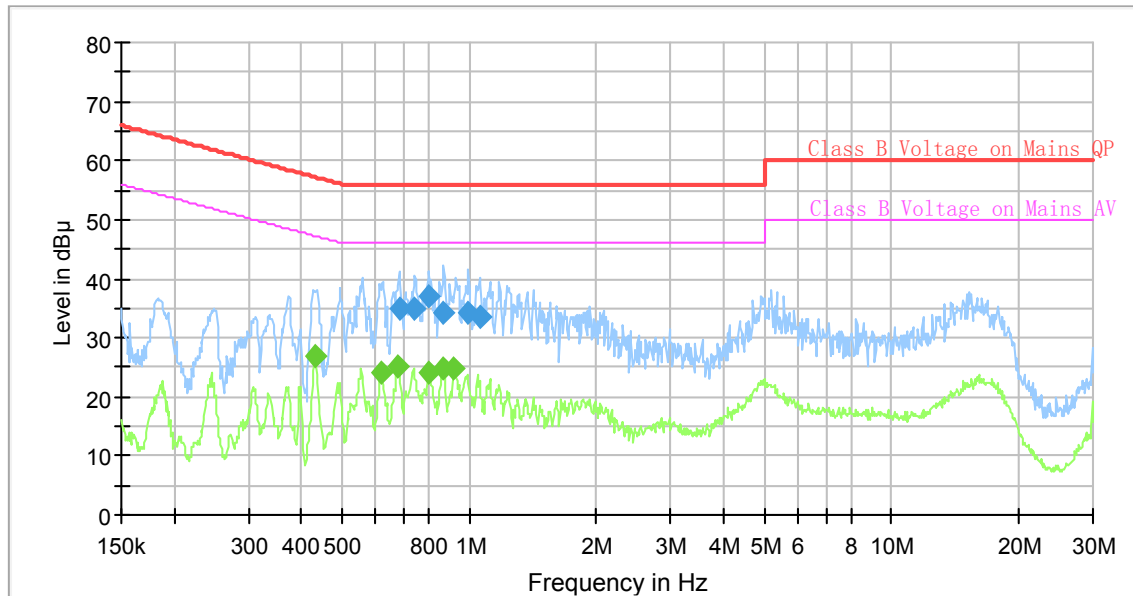
Temperature: (°C)	27.2	Relative Humidity: (%)	69	ATM Pressure: (kPa)	100.2
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Test Equipment List and Details:

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	2023/9/7	2024/9/6
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

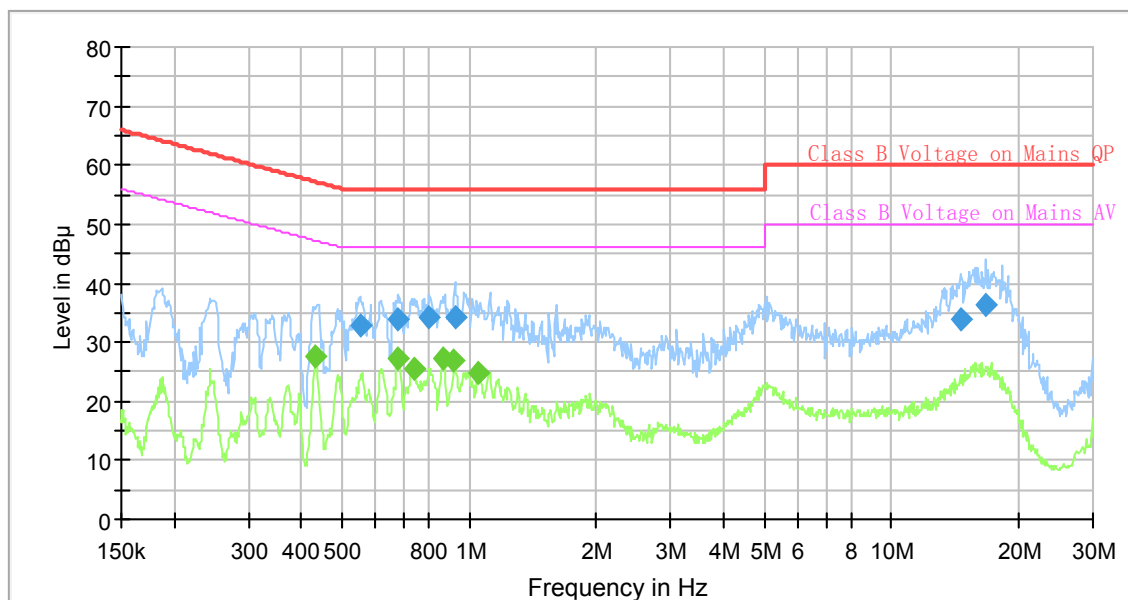
** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Project No: 2402V60428E-RF
Test Engineer: Lane Sun
Test Date: 2024-7-16
Port: L
Test Mode: M1
Power Source: AC 120V/60Hz
Note: Scanning 108-136MHz



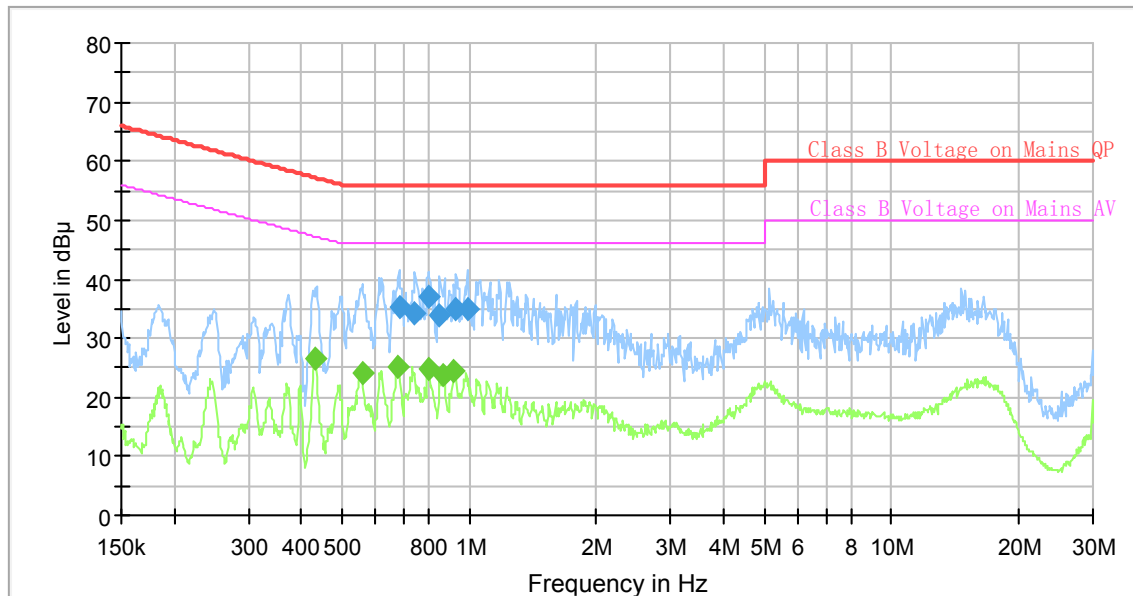
Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.431814	---	27.00	47.22	20.22	9.000	L1	10.8
0.618376	---	24.18	46.00	21.82	9.000	L1	10.8
0.676460	---	25.13	46.00	20.87	9.000	L1	10.9
0.683241	35.01	---	56.00	20.99	9.000	L1	10.9
0.743699	34.92	---	56.00	21.08	9.000	L1	10.9
0.801471	36.92	---	56.00	19.08	9.000	L1	10.9
0.805479	---	24.26	46.00	21.74	9.000	L1	10.9
0.863732	---	24.78	46.00	21.22	9.000	L1	10.9
0.868051	34.41	---	56.00	21.59	9.000	L1	10.9
0.921590	---	24.85	46.00	21.15	9.000	L1	10.9
0.998148	34.14	---	56.00	21.86	9.000	L1	10.9
1.059711	33.38	---	56.00	22.62	9.000	L1	10.8

Project No: 2402V60428E-RF
Test Engineer: Lane Sun
Test Date: 2024-7-16
Port: N
Test Mode: M1
Power Source: AC 120V/60Hz
Note: Scanning 108-136MHz



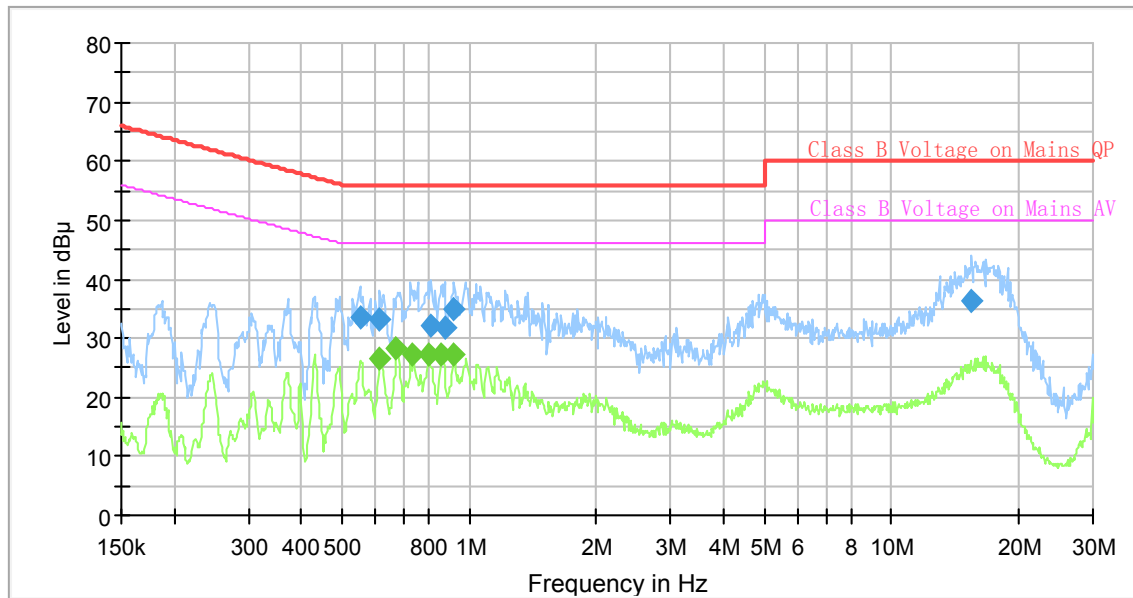
Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.431814	---	27.58	47.22	19.64	9.000	N	10.8
0.551358	32.73	---	56.00	23.27	9.000	N	10.7
0.676460	---	27.28	46.00	18.72	9.000	N	10.8
0.679842	33.99	---	56.00	22.01	9.000	N	10.8
0.739999	---	25.65	46.00	20.35	9.000	N	10.8
0.805479	34.19	---	56.00	21.81	9.000	N	10.8
0.863732	---	27.16	46.00	18.84	9.000	N	10.8
0.921590	---	27.03	46.00	18.97	9.000	N	10.8
0.926198	34.17	---	56.00	21.83	9.000	N	10.8
1.049193	---	24.97	46.00	21.03	9.000	N	10.9
14.533489	34.06	---	60.00	25.94	9.000	N	10.9
16.711661	36.39	---	60.00	23.61	9.000	N	10.9

Project No: 2402V60428E-RF
 Test Engineer: Lane Sun
 Test Date: 2024-7-16
 Port: L
 Test Mode: M2
 Power Source: AC 120V/60Hz
 Note: Receiving Frequency: 400.0125MHz



Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.429665	---	26.40	47.26	20.86	9.000	L1	10.8
0.556885	---	24.15	46.00	21.85	9.000	L1	10.8
0.679842	---	25.05	46.00	20.95	9.000	L1	10.9
0.683241	35.25	---	56.00	20.75	9.000	L1	10.9
0.743699	34.18	---	56.00	21.82	9.000	L1	10.9
0.801471	---	24.90	46.00	21.10	9.000	L1	10.9
0.801471	36.90	---	56.00	19.10	9.000	L1	10.9
0.850904	33.92	---	56.00	22.08	9.000	L1	10.9
0.868051	---	23.88	46.00	22.12	9.000	L1	10.9
0.917005	---	24.43	46.00	21.57	9.000	L1	10.9
0.930829	34.76	---	56.00	21.24	9.000	L1	10.9
0.988240	34.79	---	56.00	21.21	9.000	L1	10.9

Project No: 2402V60428E-RF
Test Engineer: Lane Sun
Test Date: 2024-7-16
Port: N
Test Mode: M2
Power Source: AC 120V/60Hz
Note: Receiving Frequency: 400.0125MHz



Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Limit (dB μ V)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.551358	33.45	---	56.00	22.55	9.000	N	10.7
0.612239	33.25	---	56.00	22.75	9.000	N	10.7
0.615300	---	26.70	46.00	19.30	9.000	N	10.7
0.673094	---	28.32	46.00	17.68	9.000	N	10.7
0.736317	---	27.09	46.00	18.91	9.000	N	10.8
0.801471	---	27.40	46.00	18.60	9.000	N	10.8
0.813554	32.22	---	56.00	23.78	9.000	N	10.8
0.859435	---	27.30	46.00	18.70	9.000	N	10.8
0.876753	31.86	---	56.00	24.14	9.000	N	10.8
0.917005	---	27.34	46.00	18.66	9.000	N	10.8
0.921590	34.96	---	56.00	21.04	9.000	N	10.8
15.507032	36.49	---	60.00	23.51	9.000	N	10.9

4.2 Radiation Spurious Emissions

4.2.1 Applicable Standard

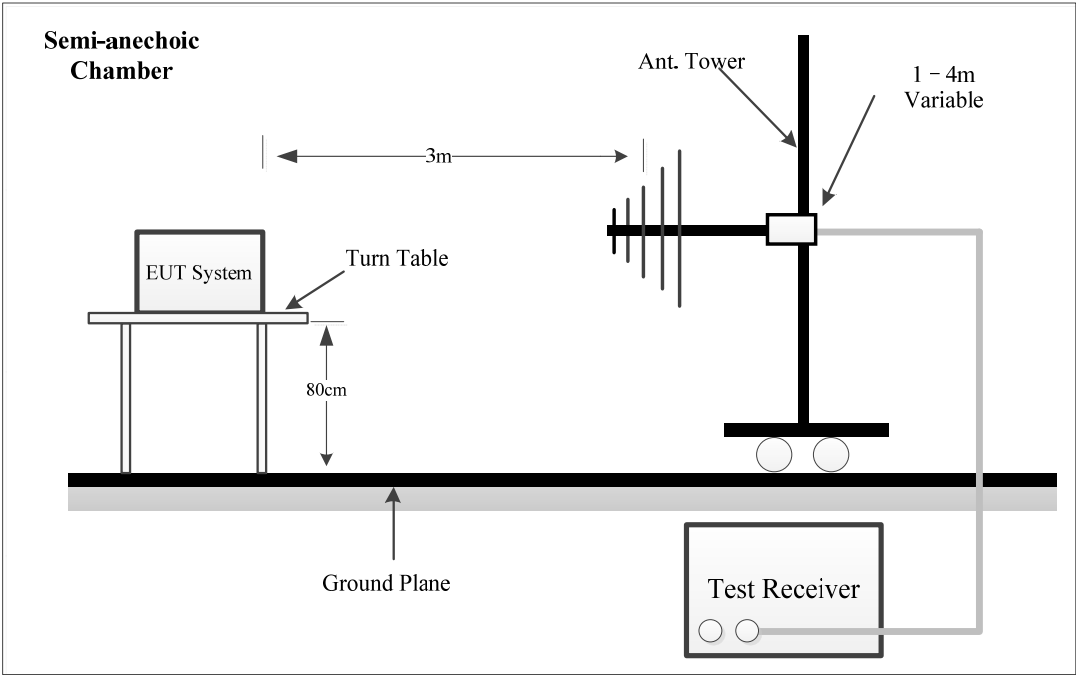
FCC§15.109

(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:

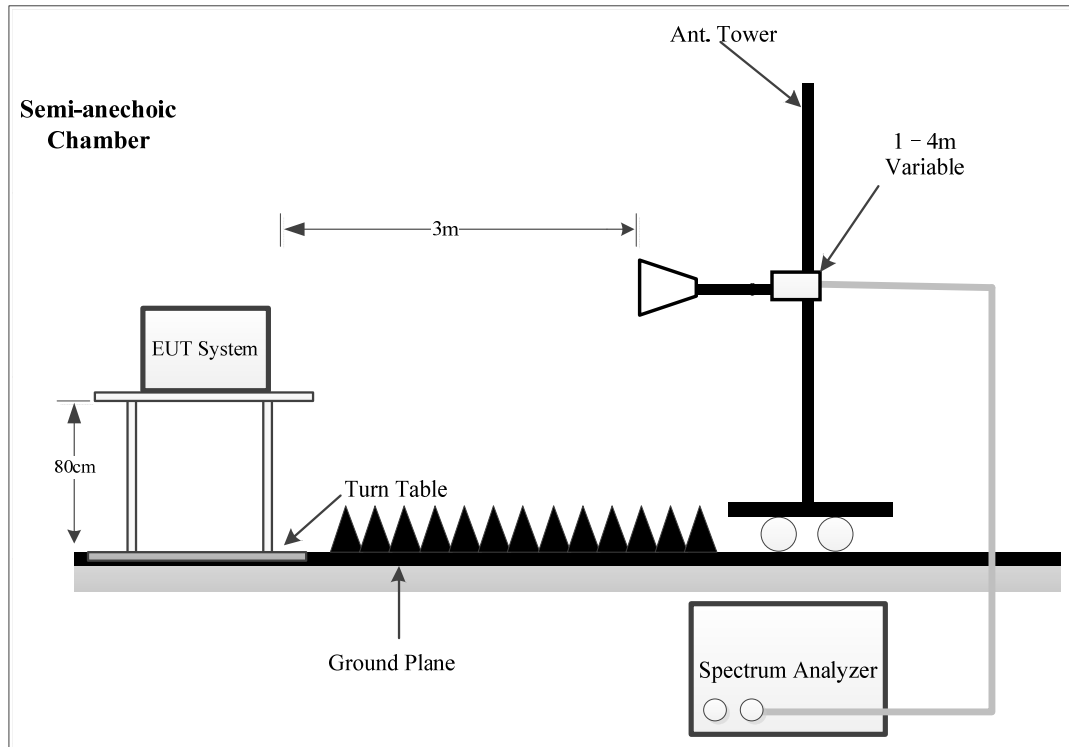
Frequency of emission (MHz)	Field strength (microvolts/meter)
30-88	100
88-216	150
216-960	200
Above 960	500

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 13 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	3MHz	/	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 Data and Result

Serial Number:	2O8N-1	Test Date:	2024/7/22~2024/7/26
Test Site:	Chamber 10m, Chamber A	Test Mode:	M1, M2
Tester:	Zoo Zou, Alan Xie	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	29.2~30	Relative Humidity: (%)	35~40	ATM Pressure: (kPa)	98.6~100.2
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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	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	1177	2023/2/22	2026/2/21
HUBER+SUHNER	Coaxial Cable	SUCOFLEX 126EA	MY369/26/26EA	2023/9/6	2024/9/5
Mini-Circuits	Preamplifier	ZVZ-183-S+	5696001267	2024/3/2	2025/3/1
Agilent	Spectrum Analyzer	E4440A	MY44303352	2023/10/18	2024/10/17

* 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:

Project No:2402V60428E-RF

Test Engineer:Zoo Zou

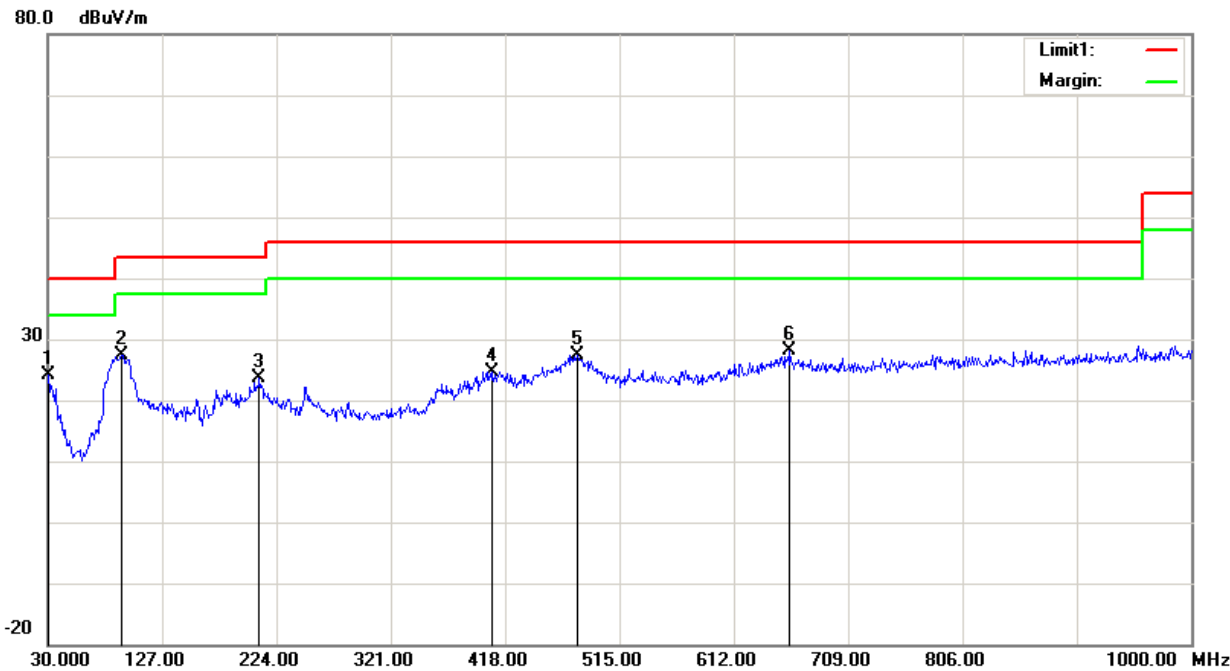
Test Date:2024-7-22

Polarization:Horizontal

Test Mode:M1

Power Source:AC 120V/60Hz

Note:108-136 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.73	peak	-4.50	24.23	40.00	15.77
2	93.0500	43.30	peak	-15.85	27.45	43.50	16.05
3	209.4500	36.17	peak	-12.50	23.67	43.50	19.83
4	406.3600	31.56	peak	-6.81	24.75	46.00	21.25
5	479.1100	32.19	peak	-4.73	27.46	46.00	18.54
6	659.5300	29.95	peak	-1.76	28.19	46.00	17.81

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

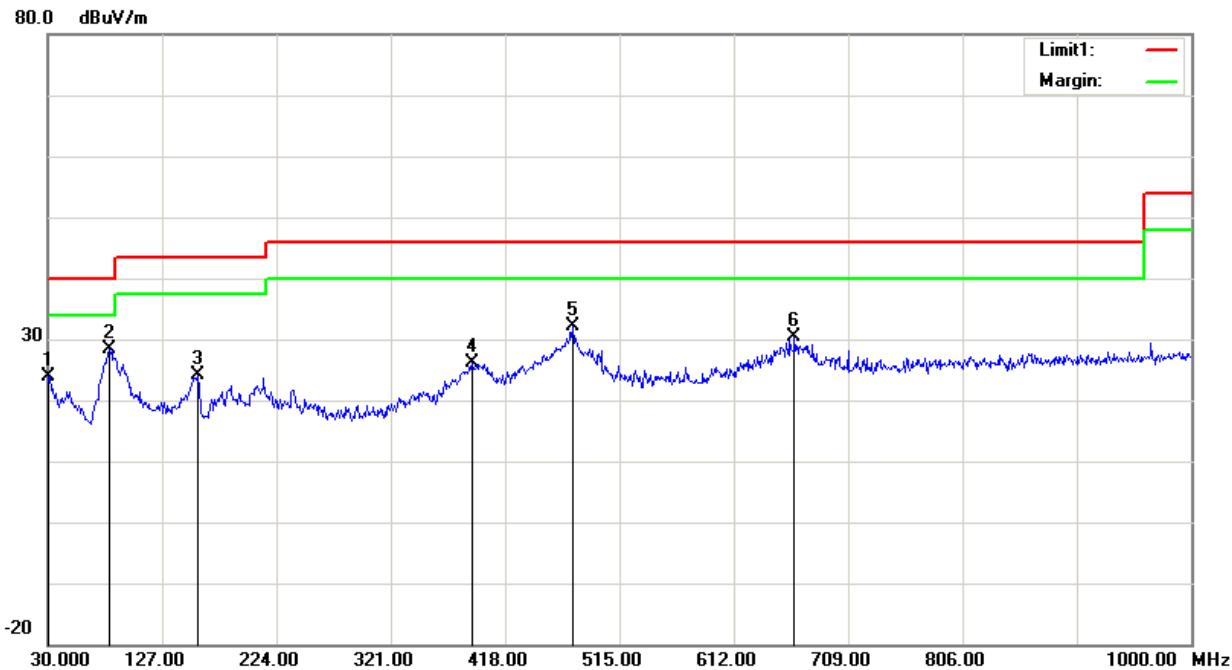
2024-7-22

Vertical

M1

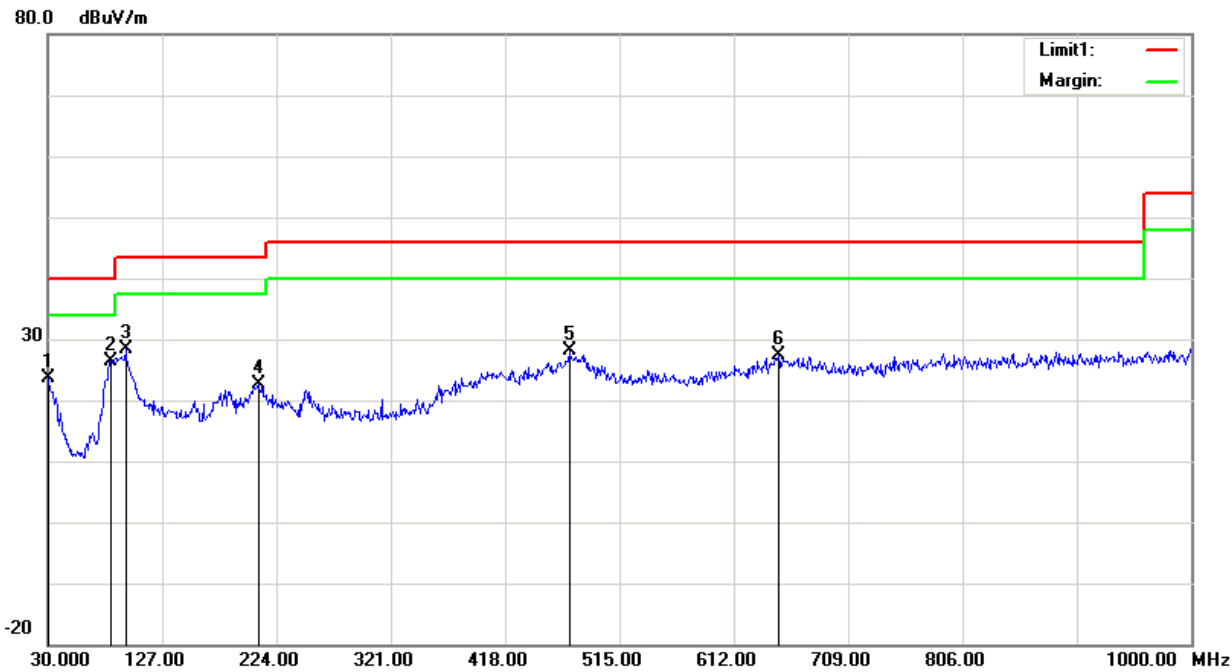
AC 120V/60Hz

108-136 MHz



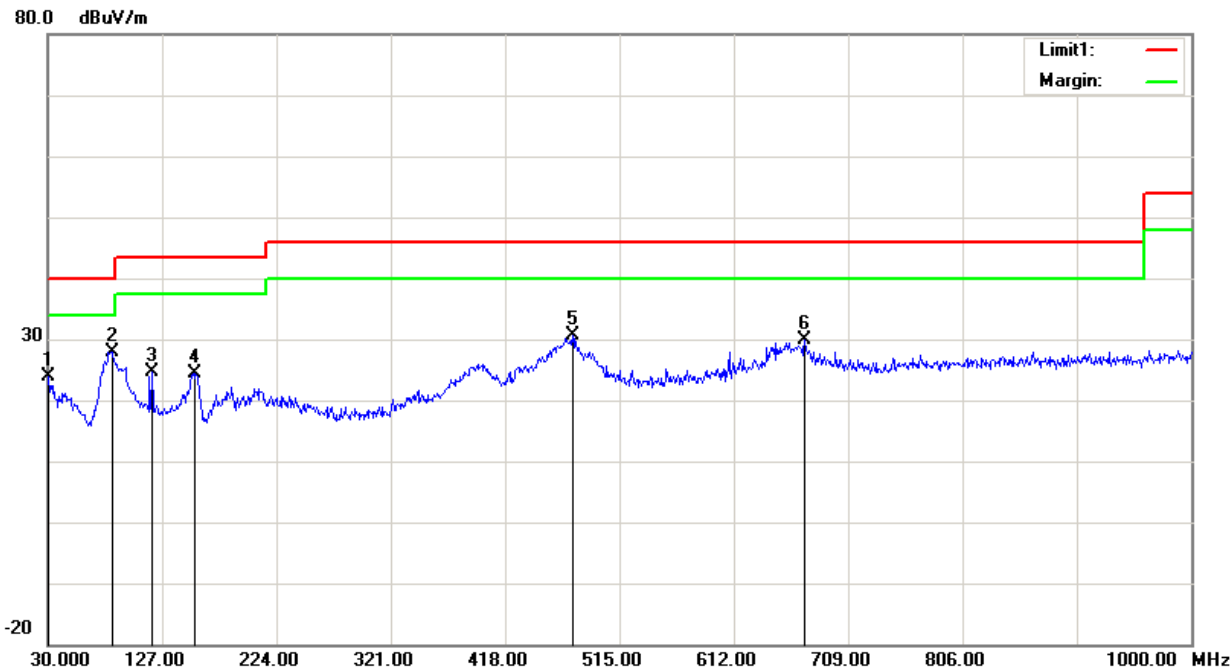
No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.64	peak	-3.80	23.84	40.00	16.16
2	82.3800	45.05	peak	-16.56	28.49	40.00	11.51
3	157.0700	35.35	peak	-11.12	24.23	43.50	19.27
4	389.8700	33.42	peak	-7.24	26.18	46.00	19.82
5	475.2300	36.82	peak	-4.81	32.01	46.00	13.99
6	663.4100	32.16	peak	-1.72	30.44	46.00	15.56

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M1
Power Source: AC 120V/60Hz
Note: 136-174 MHz



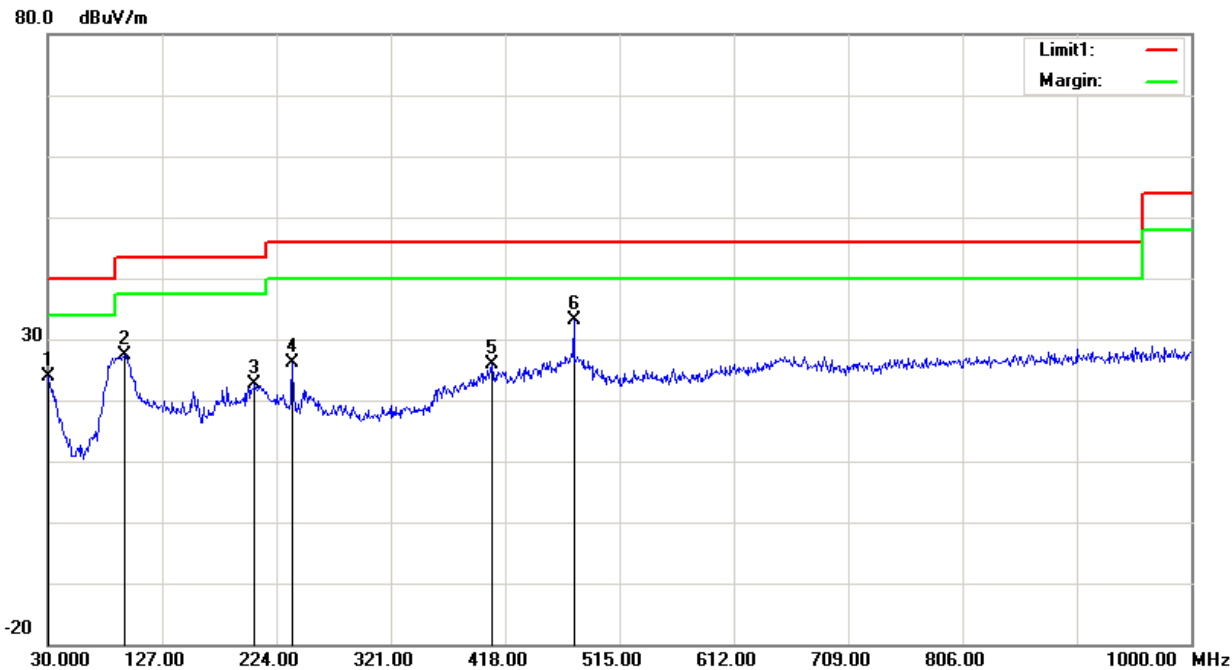
No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.47	peak	-3.80	23.67	40.00	16.33
2	83.3500	42.89	peak	-16.59	26.30	40.00	13.70
3	95.9600	43.49	peak	-15.22	28.27	43.50	15.23
4	208.4800	34.92	peak	-12.40	22.52	43.50	20.98
5	472.3200	32.89	peak	-4.87	28.02	46.00	17.98
6	649.8300	29.14	peak	-1.87	27.27	46.00	18.73

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Vertical
Test Mode: M1
Power Source: AC 120V/60Hz
Note: 136-174 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.59	peak	-3.80	23.79	40.00	16.21
2	84.3200	44.54	peak	-16.62	27.92	40.00	12.08
3	118.2700	34.91	peak	-10.18	24.73	43.50	18.77
4	155.1300	35.60	peak	-11.10	24.50	43.50	19.00
5	475.2300	35.45	peak	-4.81	30.64	46.00	15.36
6	672.1400	31.57	peak	-1.61	29.96	46.00	16.04

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M1
Power Source: AC 120V/60Hz
Note: 220-260 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.27	peak	-4.50	23.77	40.00	16.23
2	94.9900	42.73	peak	-15.41	27.32	43.50	16.18
3	205.5700	34.68	peak	-12.11	22.57	43.50	20.93
4	237.5800	37.96	peak	-11.86	26.10	46.00	19.90
5	407.3300	32.59	peak	-6.78	25.81	46.00	20.19
6	476.2000	38.01	peak	-4.79	33.22	46.00	12.78

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

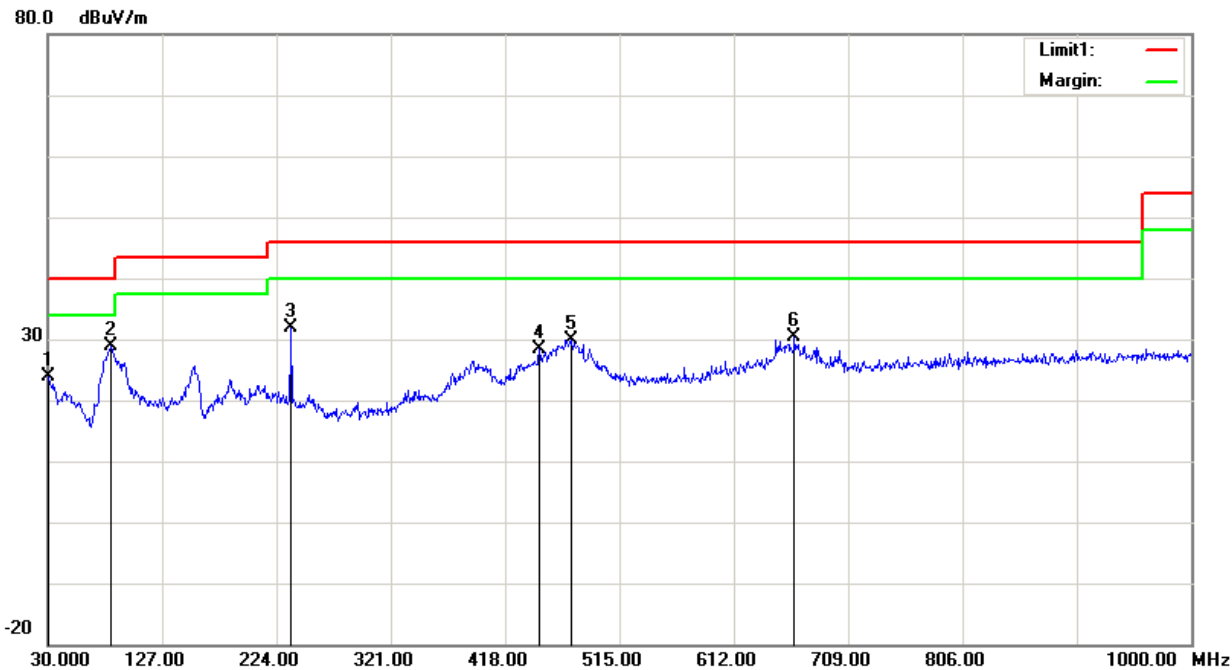
2024-7-22

Vertical

M1

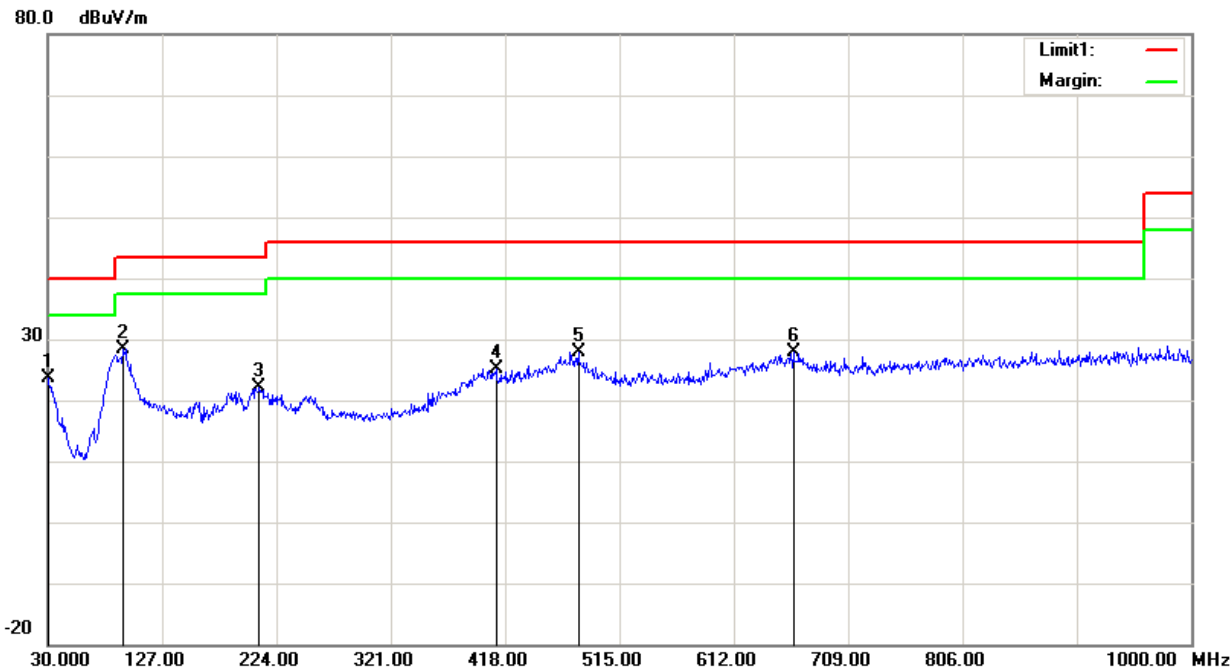
AC 120V/60Hz

220-260 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.30	peak	-4.50	23.80	40.00	16.20
2	83.3500	45.59	peak	-16.59	29.00	40.00	11.00
3	236.6100	43.80	peak	-11.91	31.89	46.00	14.11
4	447.1000	34.00	peak	-5.57	28.43	46.00	17.57
5	474.2600	34.74	peak	-4.84	29.90	46.00	16.10
6	663.4100	32.12	peak	-1.72	30.40	46.00	15.60

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M1
Power Source: AC 120V/60Hz
Note: 350-390 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.34	peak	-3.80	23.54	40.00	16.46
2	94.0200	43.98	peak	-15.64	28.34	43.50	15.16
3	209.4500	34.53	peak	-12.50	22.03	43.50	21.47
4	410.2400	31.78	peak	-6.71	25.07	46.00	20.93
5	480.0800	32.65	peak	-4.71	27.94	46.00	18.06
6	662.4400	29.65	peak	-1.73	27.92	46.00	18.08

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

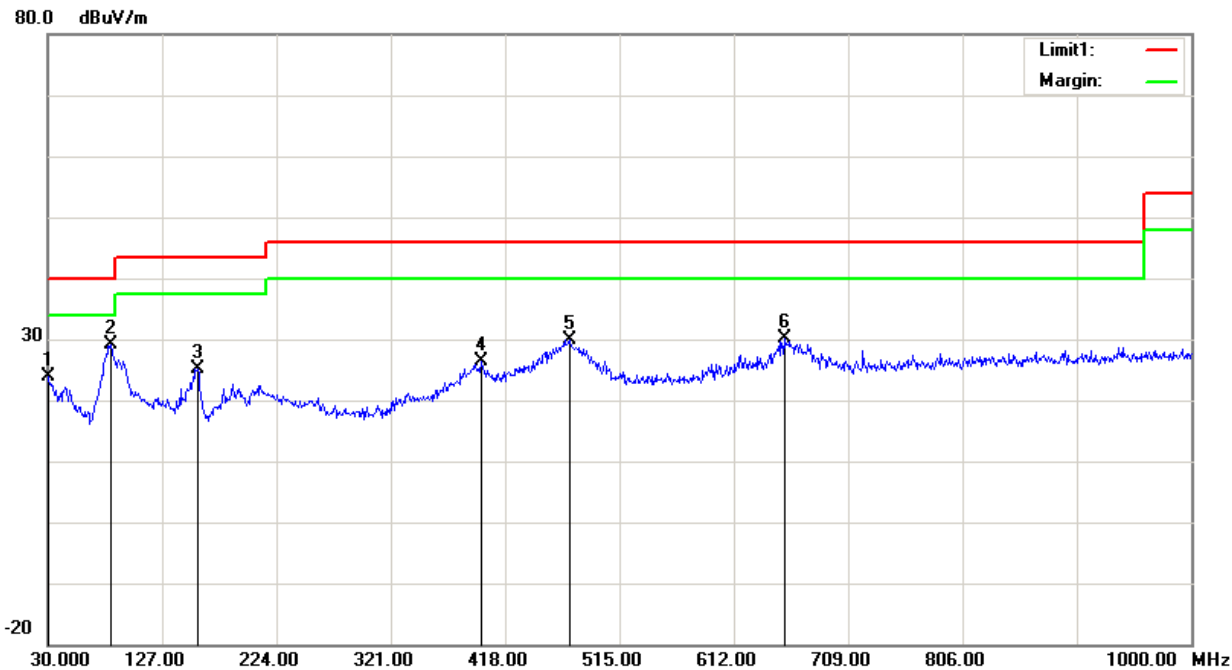
2024-7-22

Vertical

M1

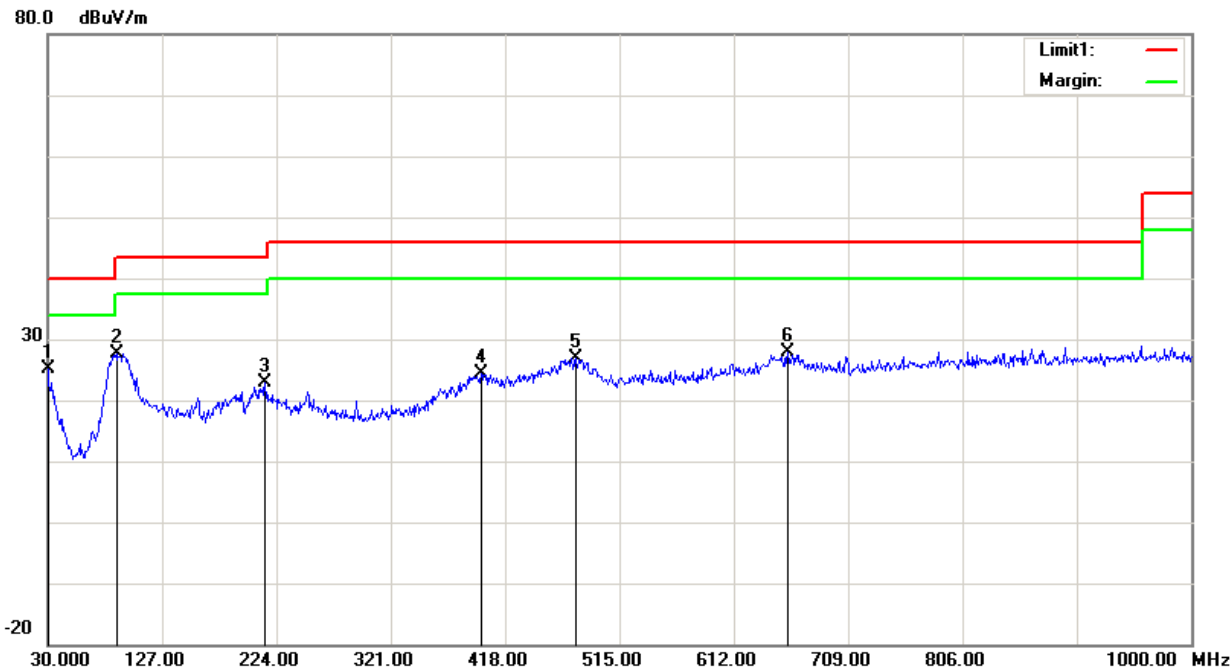
AC 120V/60Hz

350-390 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.59	peak	-3.80	23.79	40.00	16.21
2	83.3500	45.60	peak	-16.59	29.01	40.00	10.99
3	157.0700	36.22	peak	-11.12	25.10	43.50	18.40
4	397.6300	33.44	peak	-7.04	26.40	46.00	19.60
5	472.3200	34.78	peak	-4.87	29.91	46.00	16.09
6	654.6800	31.83	peak	-1.81	30.02	46.00	15.98

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M1
Power Source: AC 120V/60Hz
Note: 400-520 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	28.94	peak	-3.80	25.14	40.00	14.86
2	89.1700	44.28	peak	-16.57	27.71	43.50	15.79
3	214.3000	35.38	peak	-12.54	22.84	43.50	20.66
4	397.6300	31.48	peak	-7.04	24.44	46.00	21.56
5	478.1400	31.68	peak	-4.75	26.93	46.00	19.07
6	657.5900	29.64	peak	-1.79	27.85	46.00	18.15

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

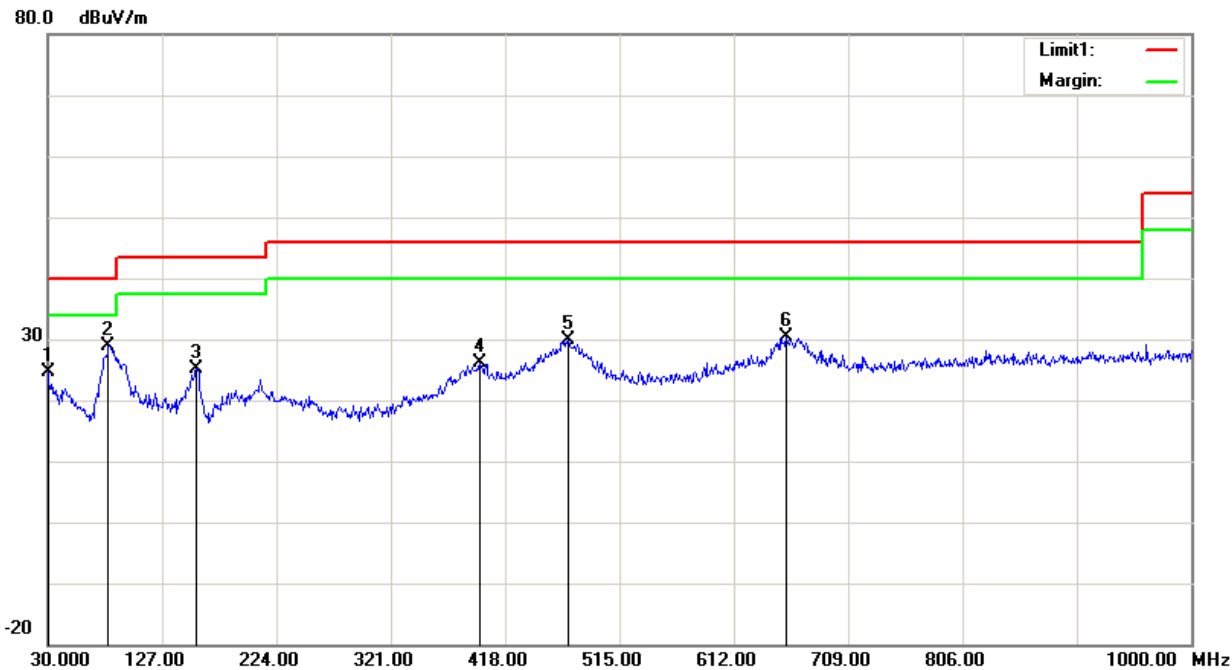
2024-7-22

Vertical

M1

AC 120V/60Hz

400-520 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	28.39	peak	-3.80	24.59	40.00	15.41
2	81.4100	45.49	peak	-16.53	28.96	40.00	11.04
3	156.1000	36.26	peak	-11.11	25.15	43.50	18.35
4	396.6600	33.10	peak	-7.05	26.05	46.00	19.95
5	471.3500	34.74	peak	-4.90	29.84	46.00	16.16
6	656.6200	32.15	peak	-1.79	30.36	46.00	15.64

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

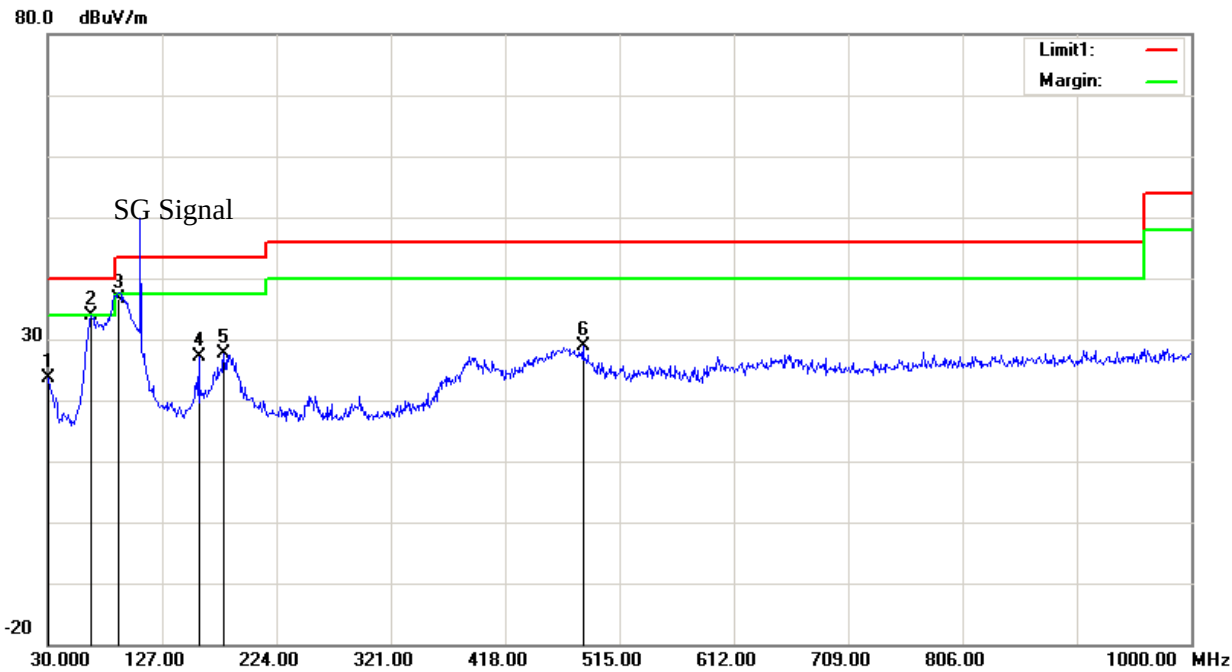
2024-7-22

Horizontal

M2

AC 120V/60Hz

108.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.16	peak	-4.50	23.66	40.00	16.34
2	66.8600	50.32	peak	-16.42	33.90	40.00	6.10
3	90.1400	53.22	QP	-16.52	36.70	43.50	6.80
4	158.0400	38.25	peak	-11.13	27.12	43.50	16.38
5	179.3800	39.90	peak	-12.32	27.58	43.50	15.92
6	483.9600	33.38	peak	-4.62	28.76	46.00	17.24

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

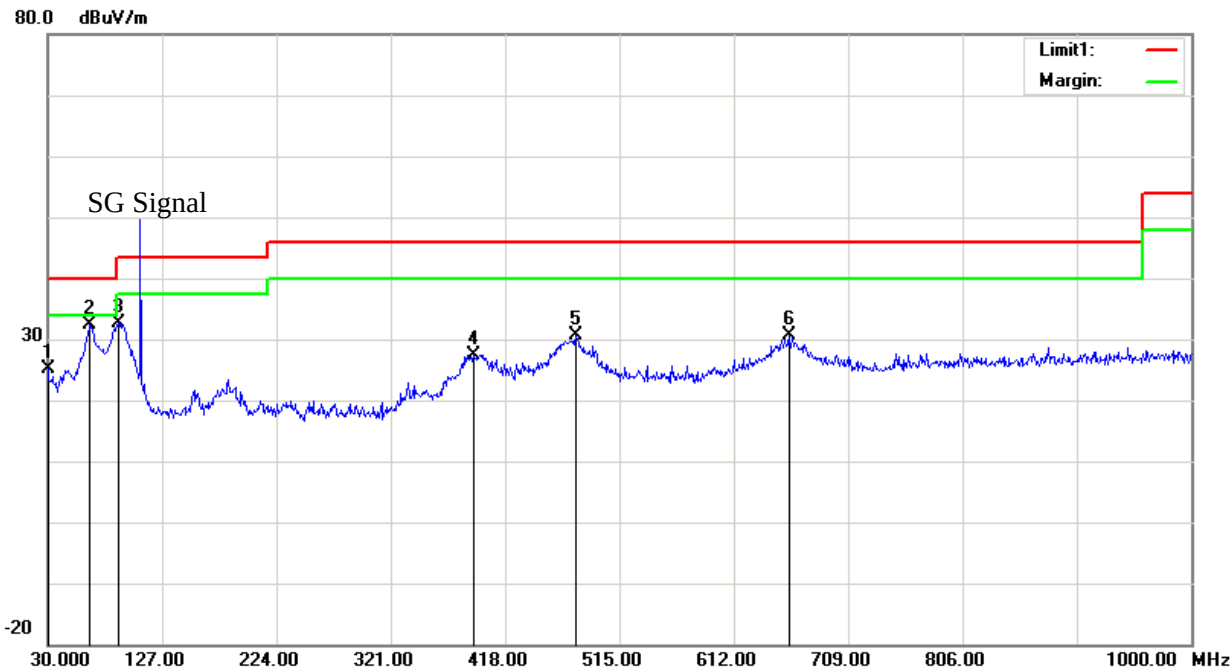
2024-7-22

Vertical

M2

AC 120V/60Hz

108.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	28.81	peak	-3.80	25.01	40.00	14.99
2	65.8900	48.89	peak	-16.46	32.43	40.00	7.57
3	90.1400	49.14	peak	-16.52	32.62	43.50	10.88
4	390.8400	34.56	peak	-7.22	27.34	46.00	18.66
5	478.1400	35.29	peak	-4.75	30.54	46.00	15.46
6	658.5600	32.37	peak	-1.78	30.59	46.00	15.41

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

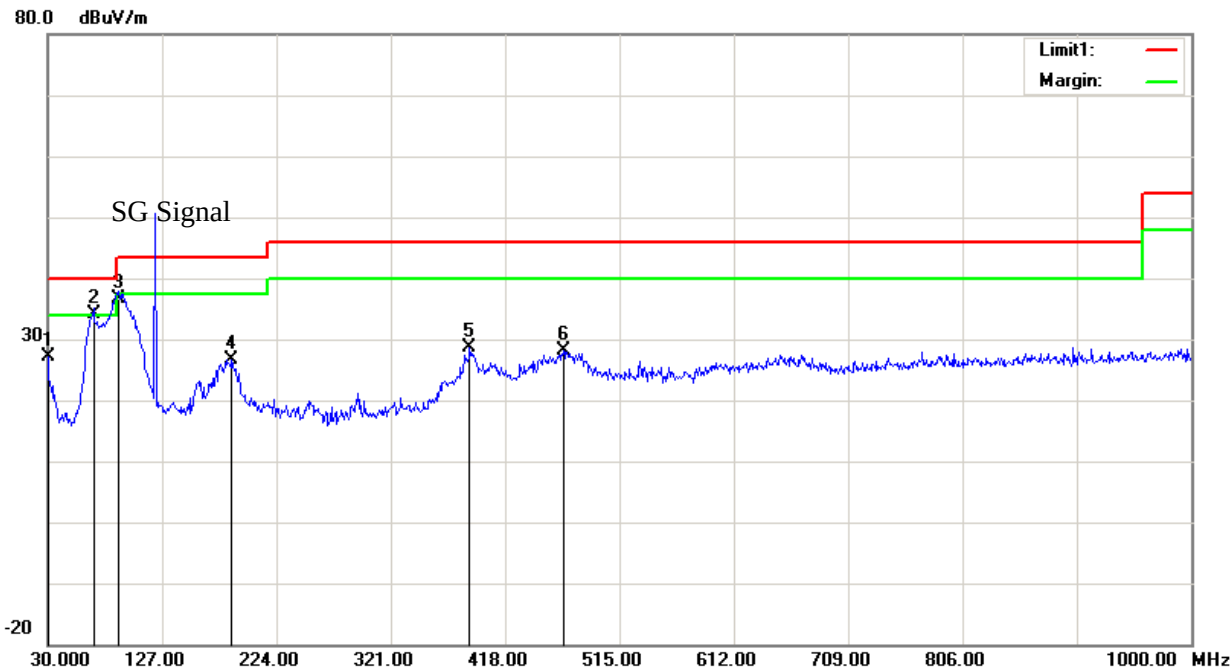
2024-7-22

Horizontal

M2

AC 120V/60Hz

122 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	31.01	peak	-3.80	27.21	40.00	12.79
2	68.8000	50.43	QP	-16.33	34.10	40.00	5.90
3	90.1400	53.12	QP	-16.52	36.60	43.50	6.90
4	186.1700	38.88	peak	-12.21	26.67	43.50	16.83
5	387.9300	35.84	peak	-7.32	28.52	46.00	17.48
6	467.4700	33.20	peak	-4.97	28.23	46.00	17.77

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

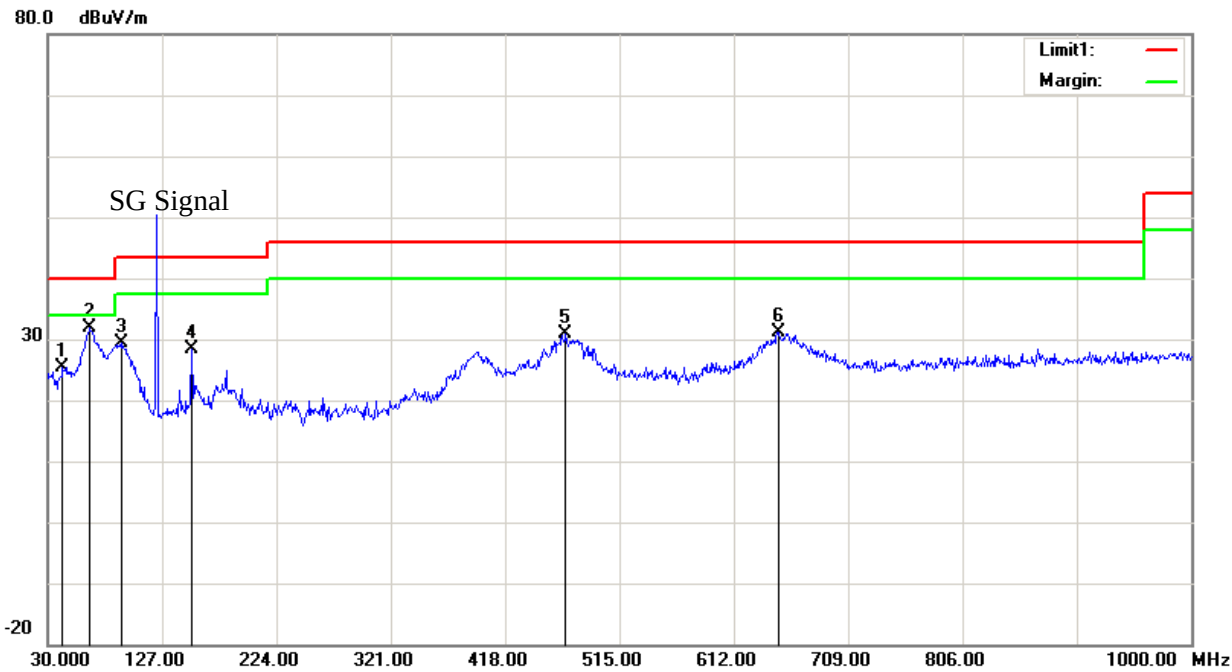
2024-7-22

Vertical

M2

AC 120V/60Hz

122 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	42.6100	37.62	peak	-12.35	25.27	40.00	14.73
2	65.8900	48.22	peak	-16.46	31.76	40.00	8.24
3	92.0800	45.52	peak	-16.08	29.44	43.50	14.06
4	152.2200	39.45	peak	-11.08	28.37	43.50	15.13
5	469.4100	35.72	peak	-4.93	30.79	46.00	15.21
6	649.8300	33.06	peak	-1.87	31.19	46.00	14.81

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

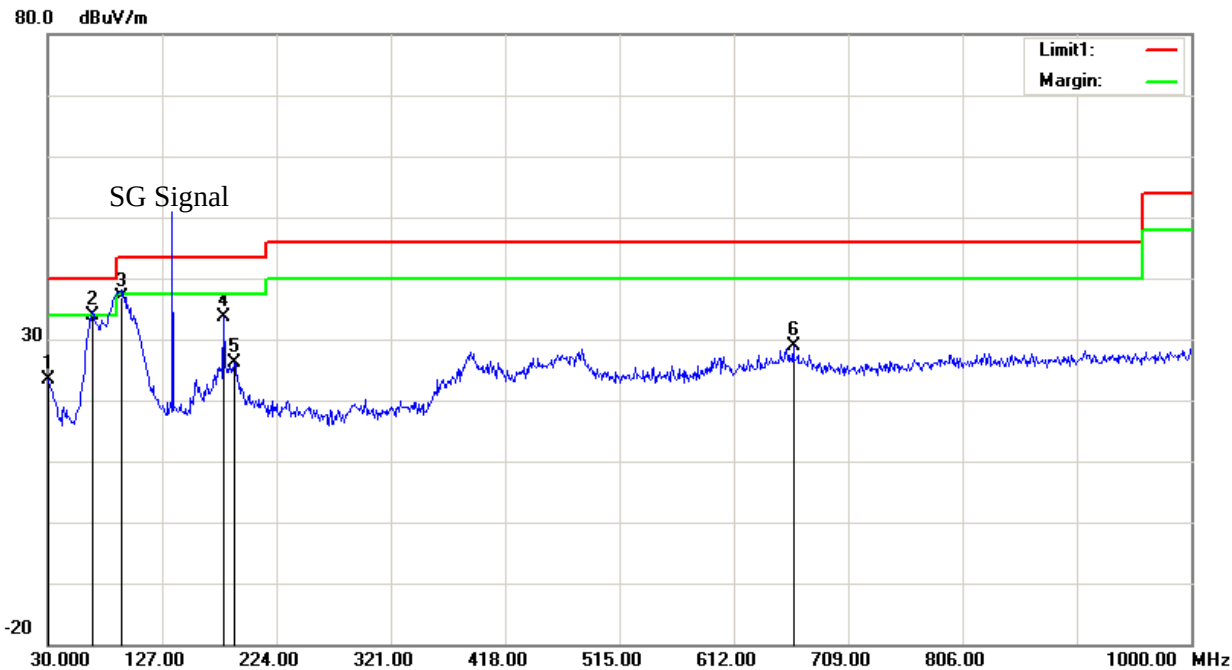
2024-7-22

Horizontal

M2

AC 120V/60Hz

135.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.16	peak	-3.80	23.36	40.00	16.64
2	67.8300	50.38	QP	-16.38	34.00	40.00	6.00
3	92.0800	52.98	QP	-16.08	36.90	43.50	6.60
4	179.3800	45.92	peak	-12.32	33.60	43.50	9.90
5	188.1100	38.25	peak	-12.17	26.08	43.50	17.42
6	662.4400	30.53	peak	-1.73	28.80	46.00	17.20

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

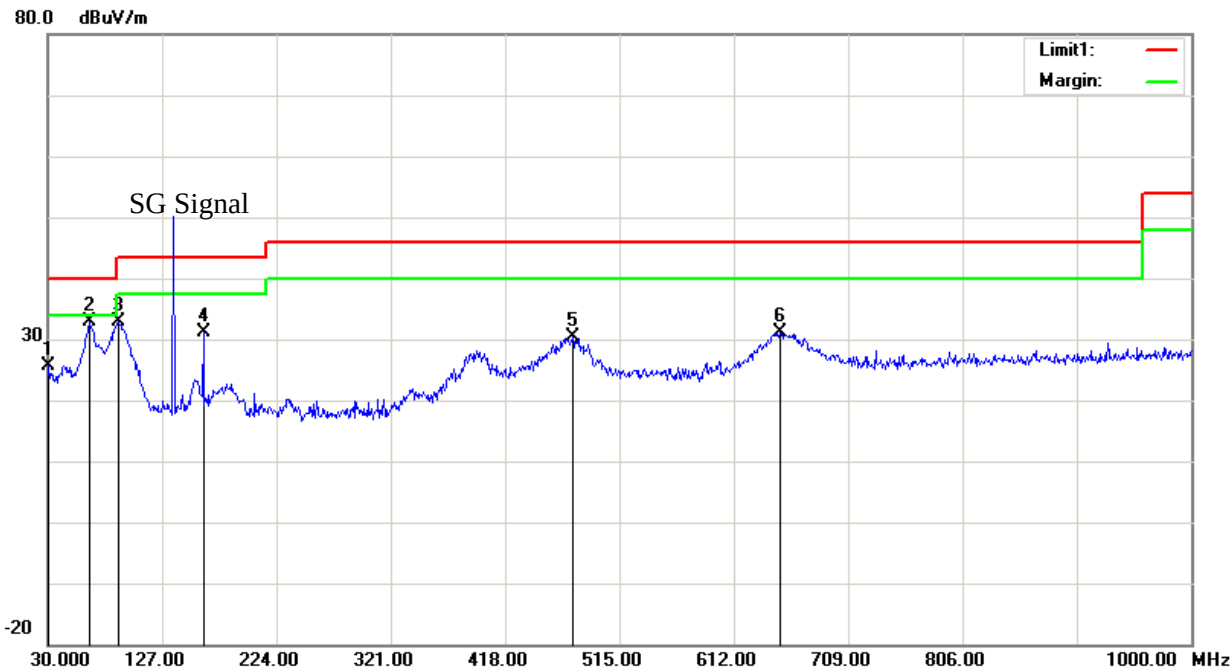
2024-7-22

Vertical

M2

AC 120V/60Hz

135.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	30.03	peak	-4.50	25.53	40.00	14.47
2	64.9200	49.26	peak	-16.50	32.76	40.00	7.24
3	90.1400	49.35	peak	-16.52	32.83	43.50	10.67
4	161.9200	42.44	peak	-11.27	31.17	43.50	12.33
5	475.2300	35.12	peak	-4.81	30.31	46.00	15.69
6	650.8000	33.04	peak	-1.86	31.18	46.00	14.82

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

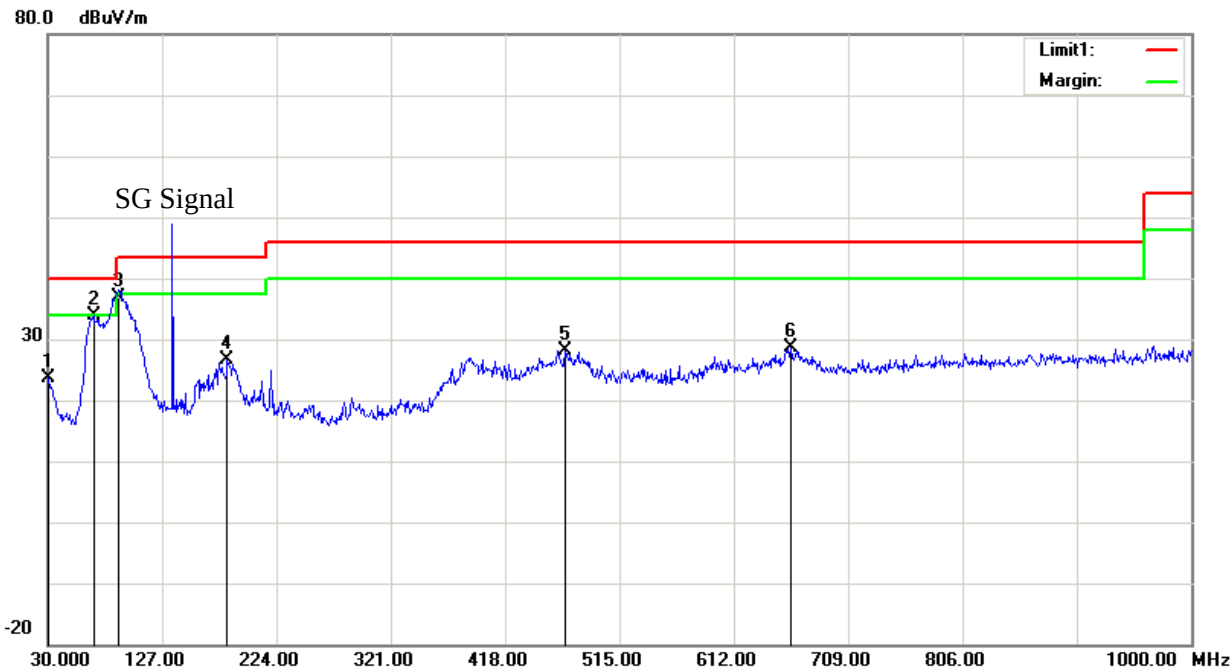
2024-7-22

Horizontal

M2

AC 120V/60Hz

136.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.50	peak	-3.80	23.70	40.00	16.30
2	68.8000	50.29	peak	-16.33	33.96	40.00	6.04
3	90.1400	53.32	QP	-16.52	36.80	43.50	6.70
4	182.2900	38.91	peak	-12.31	26.60	43.50	16.90
5	468.4400	33.12	peak	-4.96	28.16	46.00	17.84
6	660.5000	30.28	peak	-1.75	28.53	46.00	17.47

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

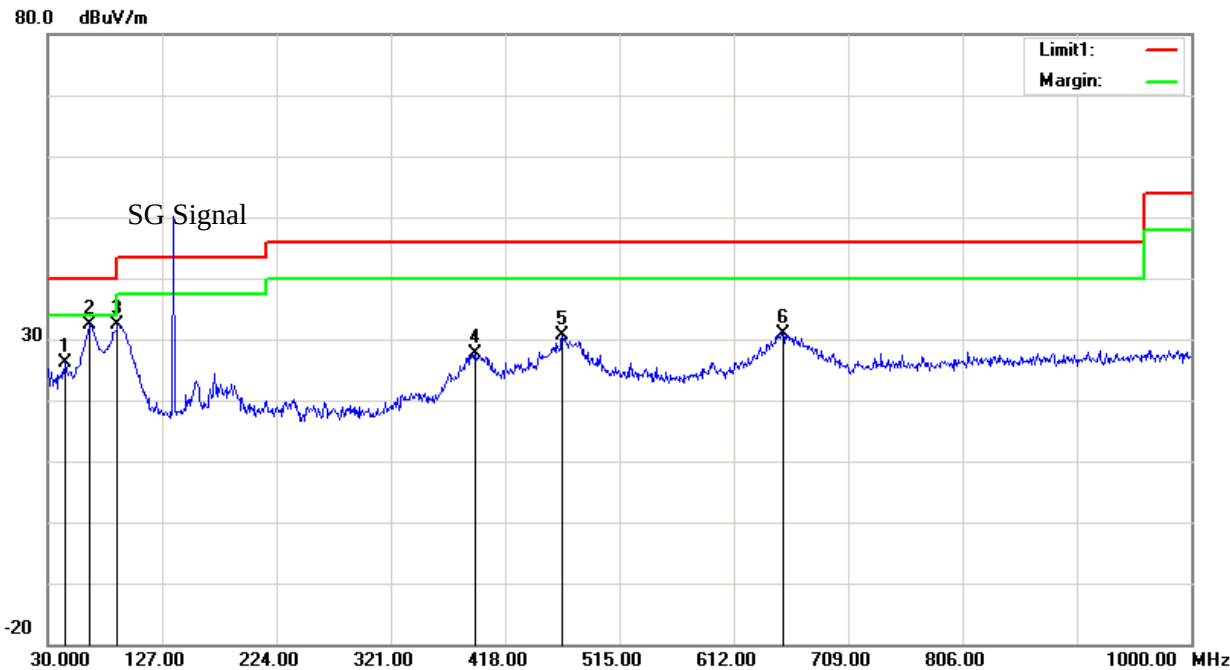
2024-7-22

Vertical

M2

AC 120V/60Hz

136.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	44.5500	39.46	peak	-13.41	26.05	40.00	13.95
2	64.9200	48.94	peak	-16.50	32.44	40.00	7.56
3	89.1700	48.92	peak	-16.57	32.35	43.50	11.15
4	392.7800	34.80	peak	-7.16	27.64	46.00	18.36
5	466.5000	35.71	peak	-4.99	30.72	46.00	15.28
6	653.7100	32.81	peak	-1.83	30.98	46.00	15.02

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

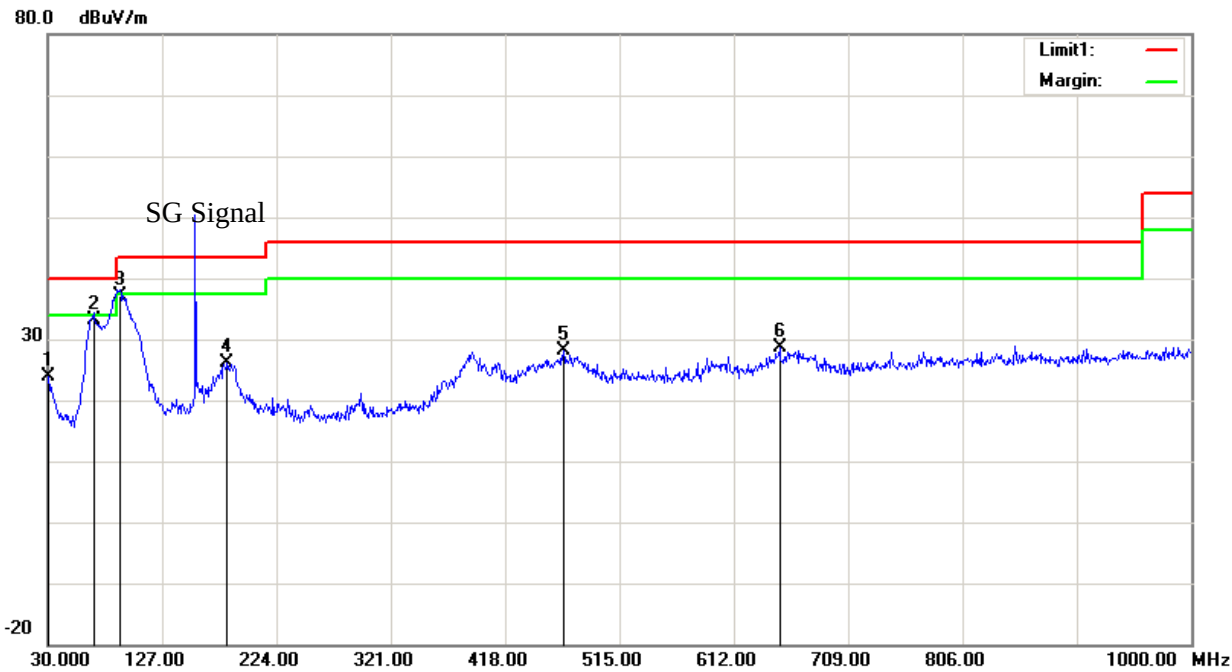
2024-7-22

Horizontal

M2

AC 120V/60Hz

155 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.47	peak	-4.50	23.97	40.00	16.03
2	68.8000	49.53	QP	-16.33	33.20	40.00	6.80
3	91.1100	53.40	QP	-16.30	37.10	43.50	6.40
4	182.2900	38.39	peak	-12.31	26.08	43.50	17.42
5	467.4700	33.15	peak	-4.97	28.18	46.00	17.82
6	650.8000	30.39	peak	-1.86	28.53	46.00	17.47

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

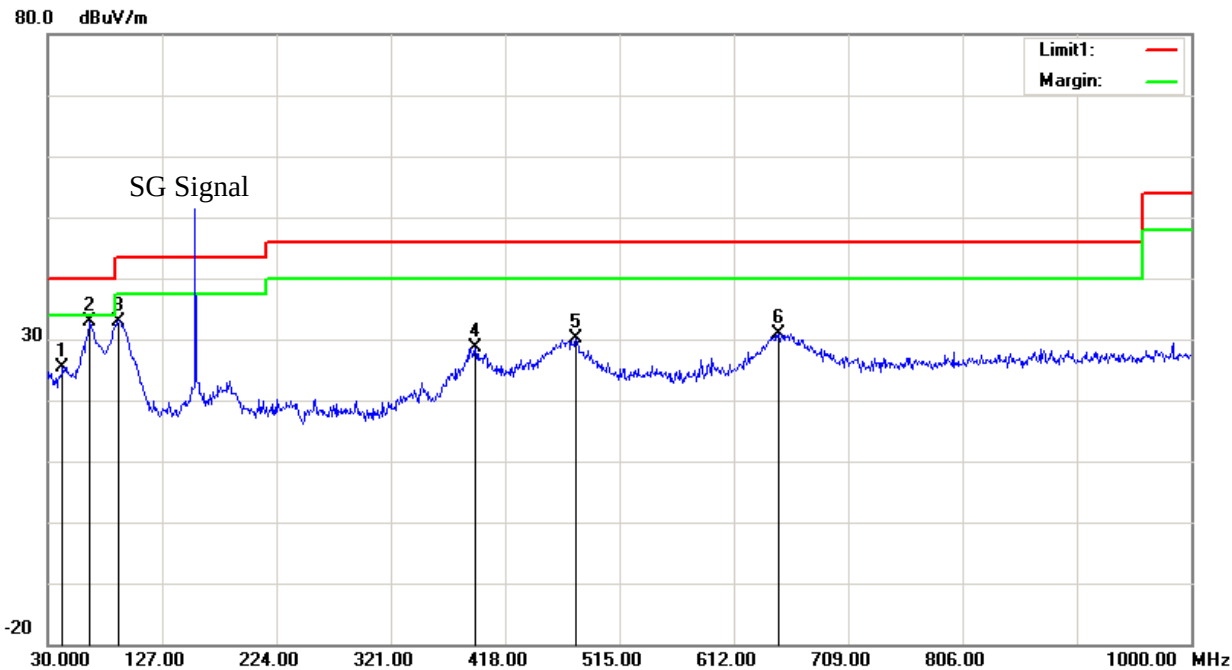
2024-7-22

Vertical

M2

AC 120V/60Hz

155 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	42.6100	37.79	peak	-12.35	25.44	40.00	14.56
2	65.8900	49.34	peak	-16.46	32.88	40.00	7.12
3	90.1400	49.52	peak	-16.52	33.00	43.50	10.50
4	392.7800	35.74	peak	-7.16	28.58	46.00	17.42
5	478.1400	34.91	peak	-4.75	30.16	46.00	15.84
6	649.8300	32.87	peak	-1.87	31.00	46.00	15.00

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

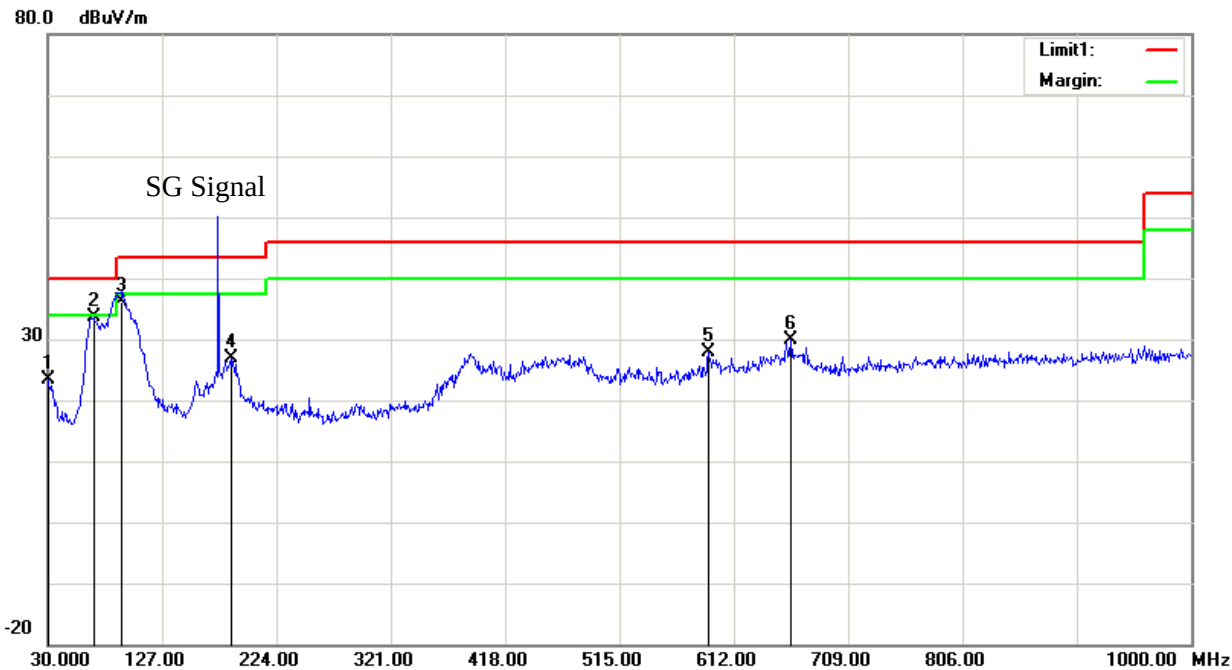
2024-7-22

Horizontal

M2

AC 120V/60Hz

173.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.20	peak	-3.80	23.40	40.00	16.60
2	68.8000	49.92	peak	-16.33	33.59	40.00	6.41
3	92.0800	52.28	QP	-16.08	36.20	43.50	7.30
4	185.2000	39.01	peak	-12.24	26.77	43.50	16.73
5	590.6600	30.91	peak	-3.02	27.89	46.00	18.11
6	660.5000	31.61	peak	-1.75	29.86	46.00	16.14

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

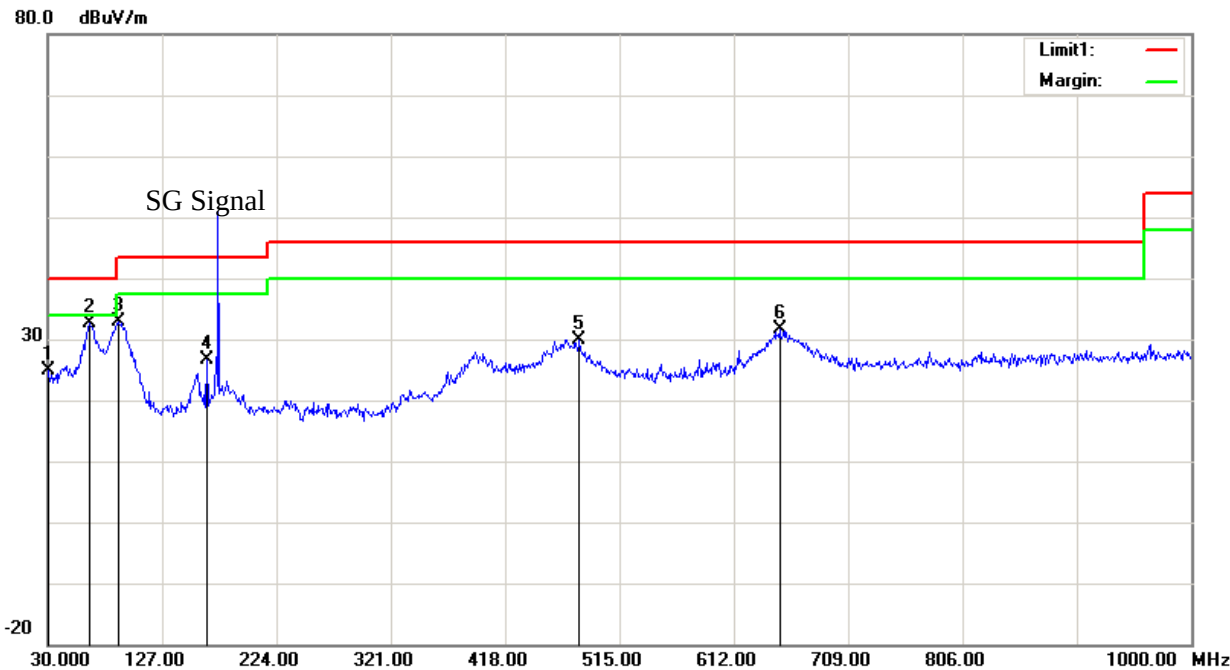
2024-7-22

Vertical

M2

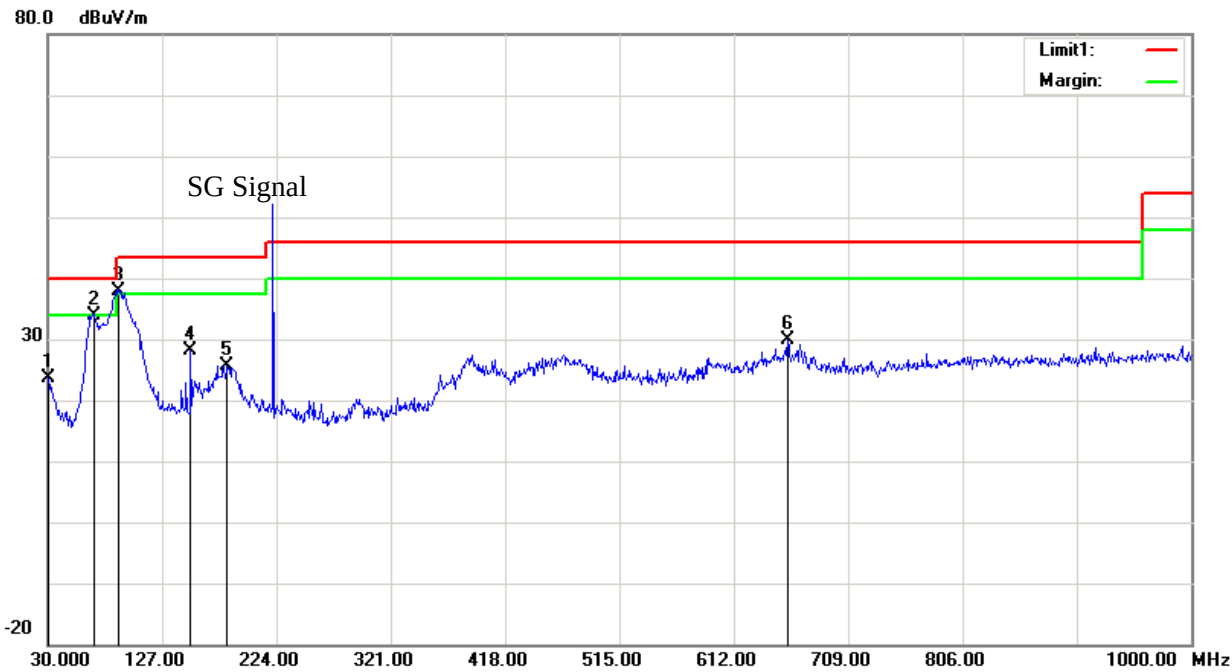
AC 120V/60Hz

173.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	28.63	peak	-3.80	24.83	40.00	15.17
2	65.8900	48.98	peak	-16.46	32.52	40.00	7.48
3	90.1400	49.36	peak	-16.52	32.84	43.50	10.66
4	164.8300	38.15	peak	-11.45	26.70	43.50	16.80
5	481.0500	34.55	peak	-4.68	29.87	46.00	16.13
6	650.8000	33.59	peak	-1.86	31.73	46.00	14.27

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M2
Power Source: AC 120V/60Hz
Note: 220.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.46	peak	-3.80	23.66	40.00	16.34
2	68.8000	50.13	QP	-16.33	33.80	40.00	6.20
3	90.1400	54.32	QP	-16.52	37.80	43.50	5.70
4	151.2500	39.21	peak	-11.07	28.14	43.50	15.36
5	182.2900	38.02	peak	-12.31	25.71	43.50	17.79
6	657.5900	31.56	peak	-1.79	29.77	46.00	16.23

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

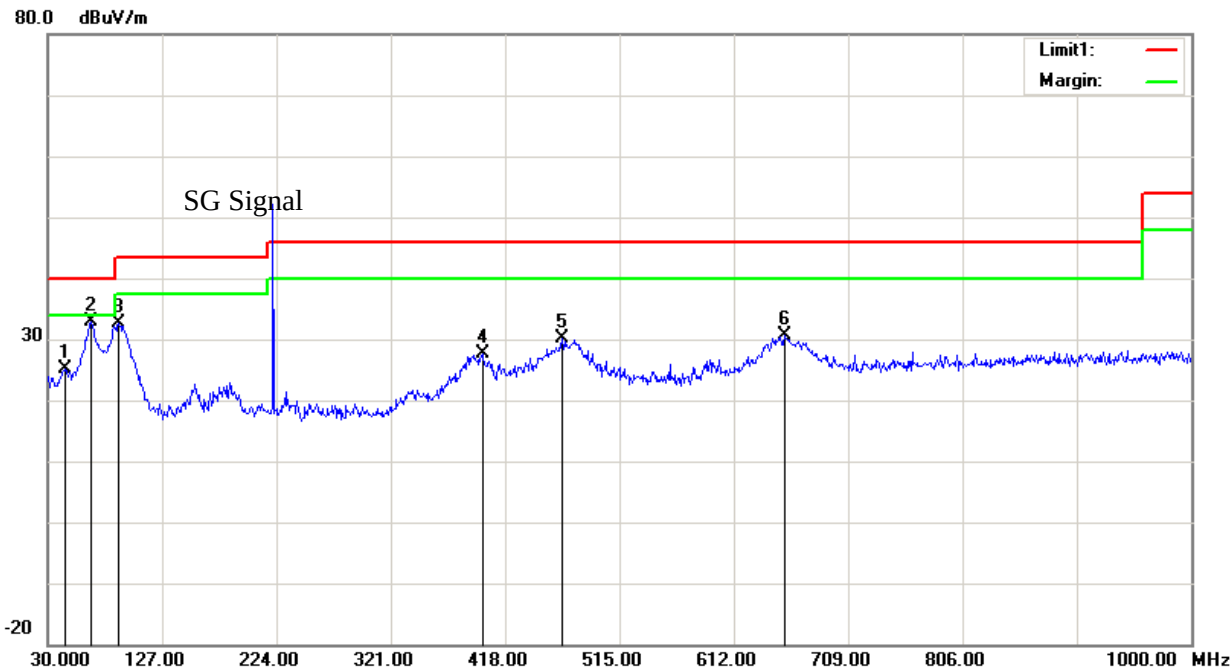
2024-7-22

Vertical

M2

AC 120V/60Hz

220.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	44.5500	38.51	peak	-13.41	25.10	40.00	14.90
2	66.8600	49.35	peak	-16.42	32.93	40.00	7.07
3	90.1400	49.24	peak	-16.52	32.72	43.50	10.78
4	398.6000	34.69	peak	-7.01	27.68	46.00	18.32
5	466.5000	35.08	peak	-4.99	30.09	46.00	15.91
6	654.6800	32.36	peak	-1.81	30.55	46.00	15.45

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

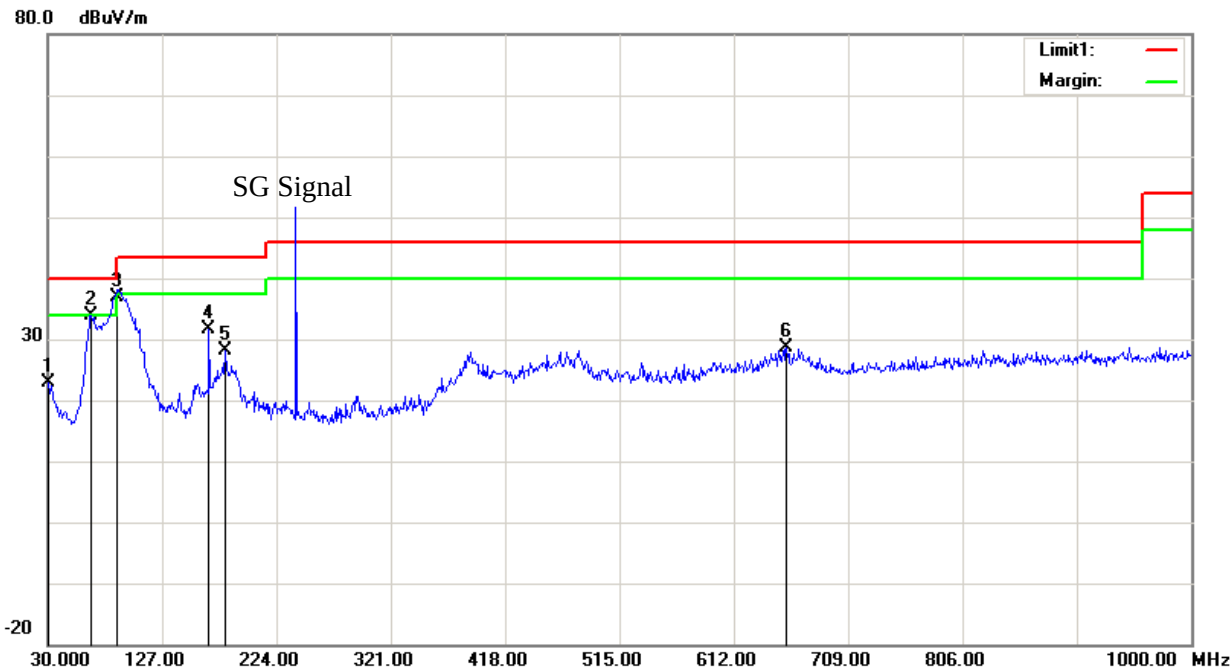
2024-7-22

Horizontal

M2

AC 120V/60Hz

240 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	27.31	peak	-4.50	22.81	40.00	17.19
2	66.8600	50.39	peak	-16.42	33.97	40.00	6.03
3	89.1700	53.47	QP	-16.57	36.90	43.50	6.60
4	166.7700	43.32	peak	-11.58	31.74	43.50	11.76
5	180.3500	40.44	peak	-12.35	28.09	43.50	15.41
6	656.6200	30.42	peak	-1.79	28.63	46.00	17.37

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

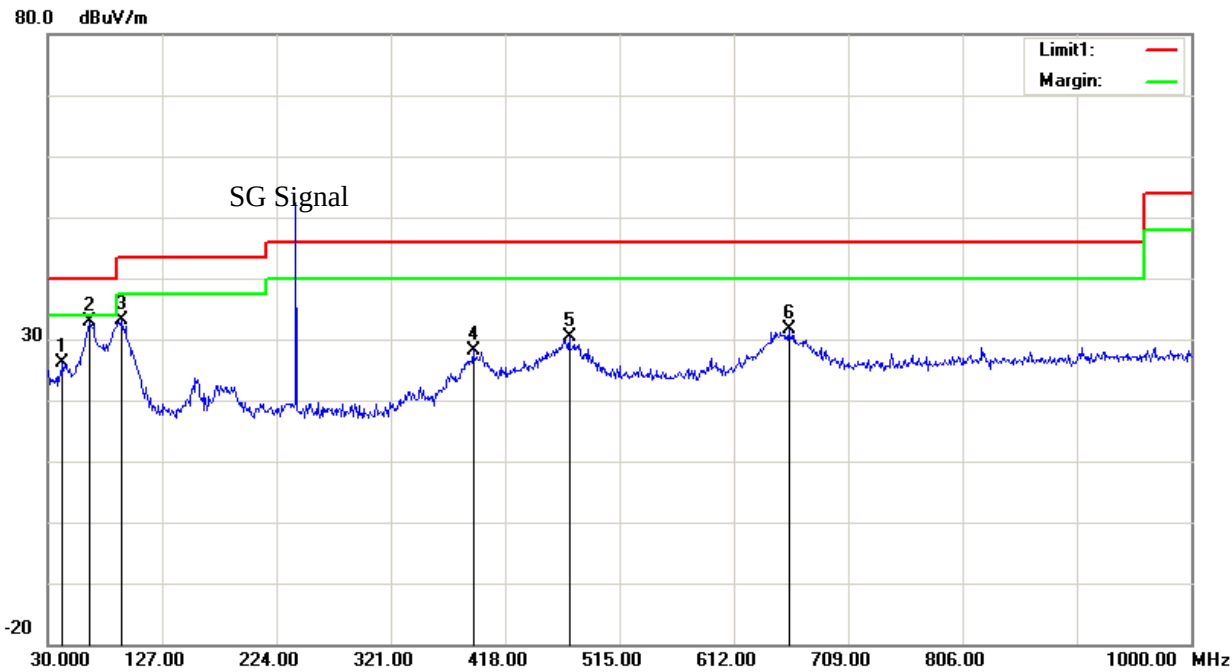
2024-7-22

Vertical

M2

AC 120V/60Hz

240 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	42.6100	38.46	peak	-12.35	26.11	40.00	13.89
2	64.9200	49.35	peak	-16.50	32.85	40.00	7.15
3	92.0800	49.09	peak	-16.08	33.01	43.50	10.49
4	390.8400	35.25	peak	-7.22	28.03	46.00	17.97
5	472.3200	35.36	peak	-4.87	30.49	46.00	15.51
6	658.5600	33.29	peak	-1.78	31.51	46.00	14.49

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

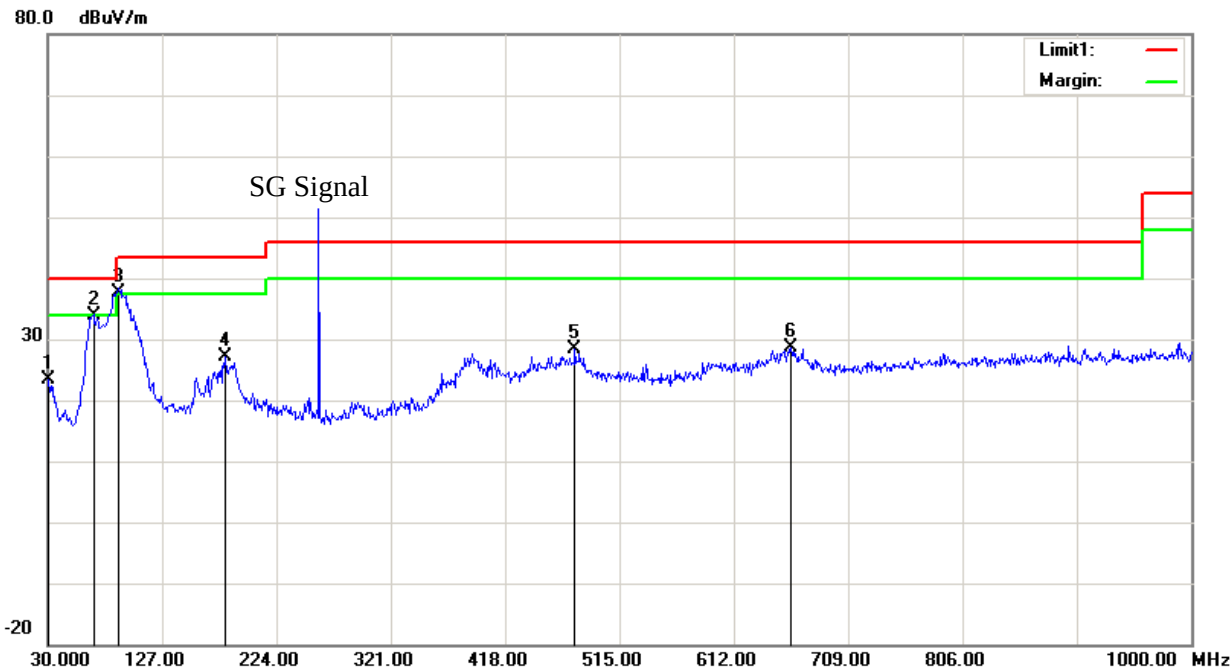
2024-7-22

Horizontal

M2

AC 120V/60Hz

259.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	27.93	peak	-4.50	23.43	40.00	16.57
2	68.8000	50.23	QP	-16.33	33.90	40.00	6.10
3	90.1400	54.22	QP	-16.52	37.70	43.50	5.80
4	180.3500	39.38	peak	-12.35	27.03	43.50	16.47
5	477.1700	33.03	peak	-4.77	28.26	46.00	17.74
6	660.5000	30.45	peak	-1.75	28.70	46.00	17.30

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

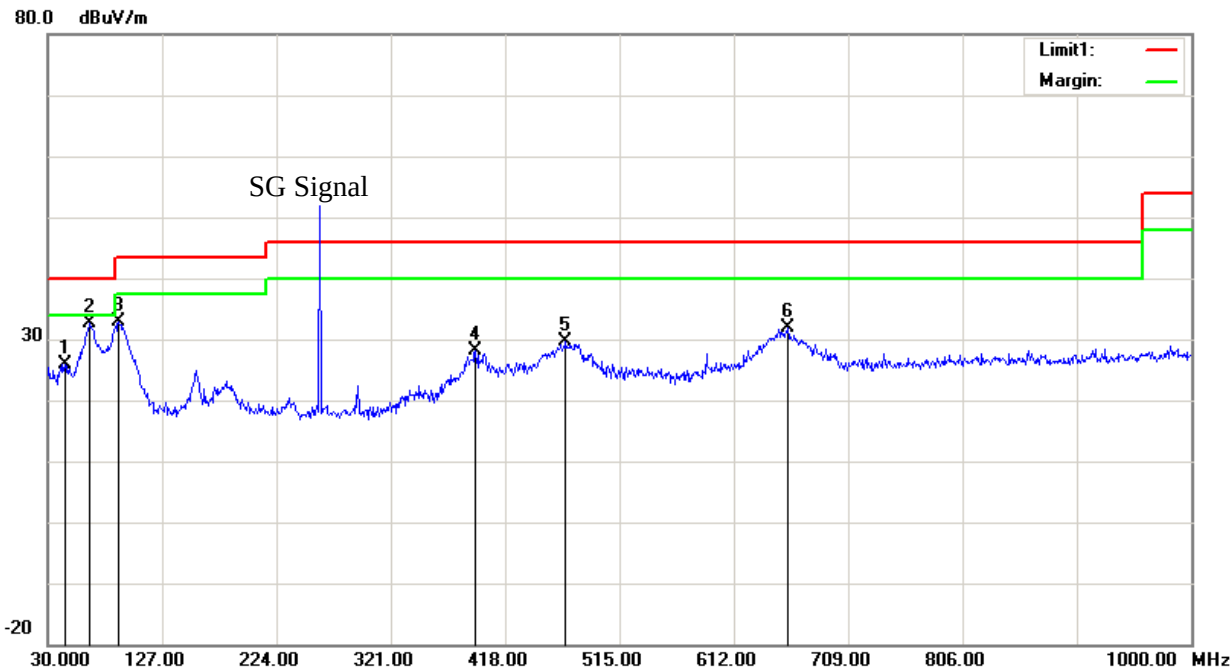
2024-7-22

Vertical

M2

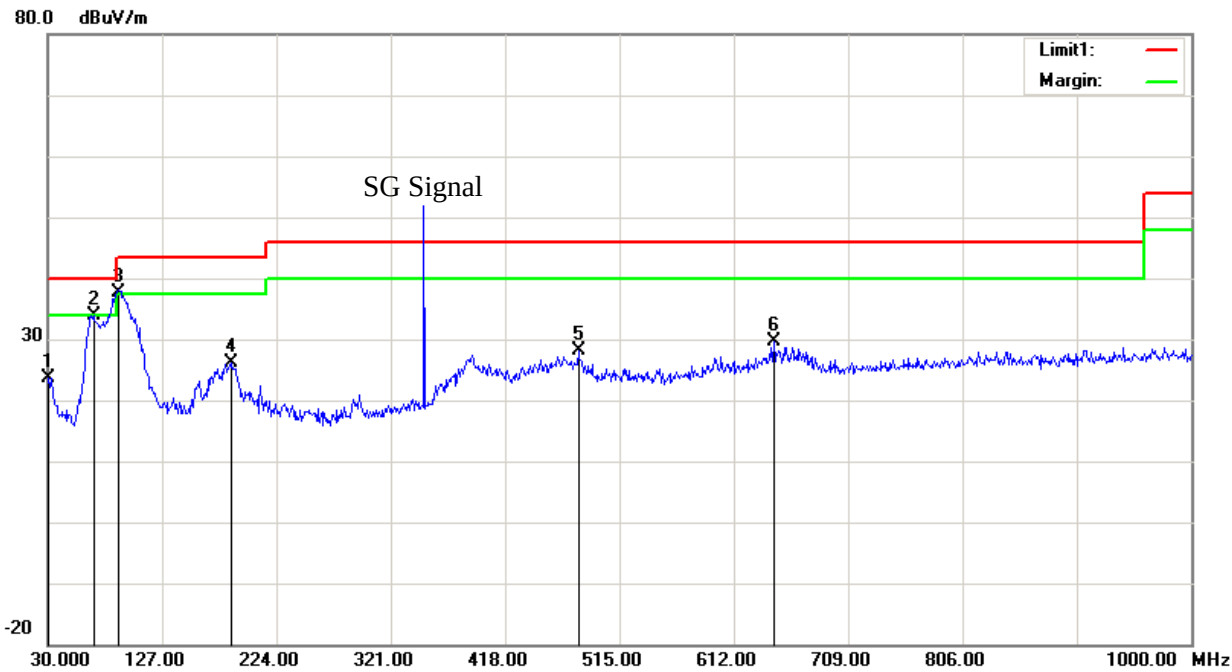
AC 120V/60Hz

259.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	44.5500	39.38	peak	-13.41	25.97	40.00	14.03
2	65.8900	49.07	peak	-16.46	32.61	40.00	7.39
3	90.1400	49.43	peak	-16.52	32.91	43.50	10.59
4	392.7800	35.32	peak	-7.16	28.16	46.00	17.84
5	469.4100	34.52	peak	-4.93	29.59	46.00	16.41
6	657.5900	33.62	peak	-1.79	31.83	46.00	14.17

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M2
Power Source: AC 120V/60Hz
Note: 350.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.18	peak	-4.50	23.68	40.00	16.32
2	68.8000	50.11	peak	-16.33	33.78	40.00	6.22
3	90.1400	54.22	QP	-16.52	37.70	43.50	5.80
4	186.1700	38.36	peak	-12.21	26.15	43.50	17.35
5	480.0800	32.79	peak	-4.71	28.08	46.00	17.92
6	645.9500	31.54	peak	-1.96	29.58	46.00	16.42

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

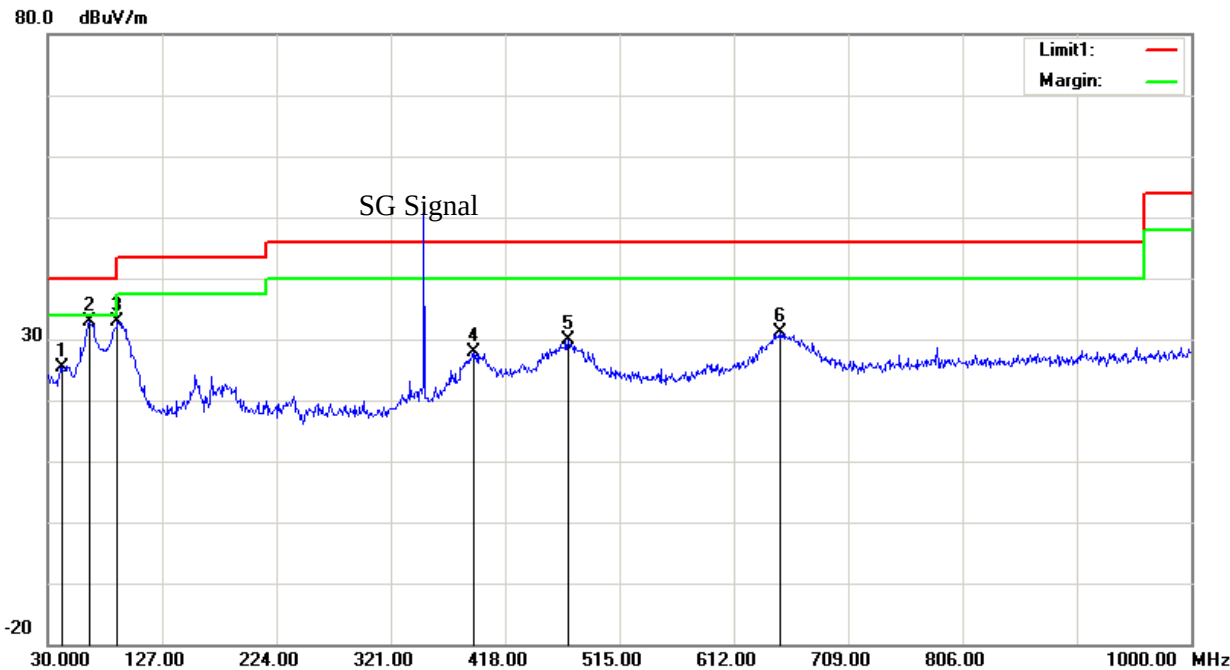
2024-7-22

Vertical

M2

AC 120V/60Hz

350.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	42.6100	37.83	peak	-12.35	25.48	40.00	14.52
2	64.9200	49.26	peak	-16.50	32.76	40.00	7.24
3	89.1700	49.49	peak	-16.57	32.92	43.50	10.58
4	390.8400	35.08	peak	-7.22	27.86	46.00	18.14
5	471.3500	34.88	peak	-4.90	29.98	46.00	16.02
6	651.7700	33.05	peak	-1.85	31.20	46.00	14.80

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

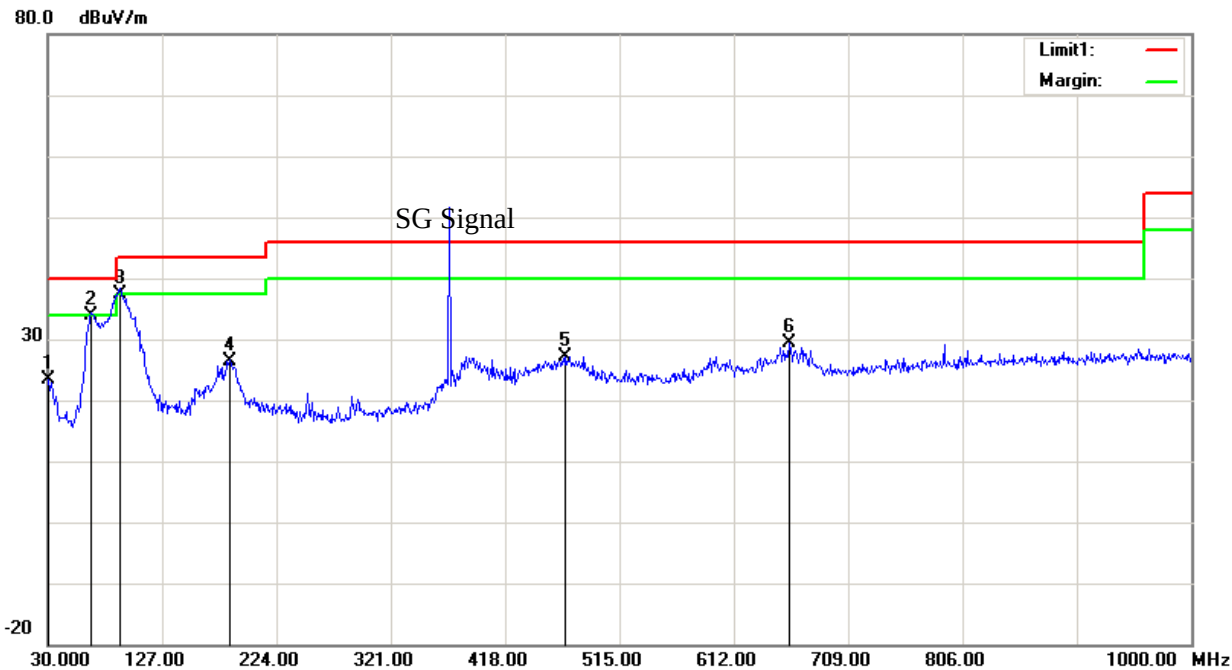
2024-7-22

Horizontal

M2

AC 120V/60Hz

370 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	27.23	peak	-3.80	23.43	40.00	16.57
2	66.8600	50.22	QP	-16.42	33.80	40.00	6.20
3	91.1100	53.80	QP	-16.30	37.50	43.50	6.00
4	184.2300	38.76	peak	-12.26	26.50	43.50	17.00
5	469.4100	32.15	peak	-4.93	27.22	46.00	18.78
6	658.5600	31.21	peak	-1.78	29.43	46.00	16.57

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

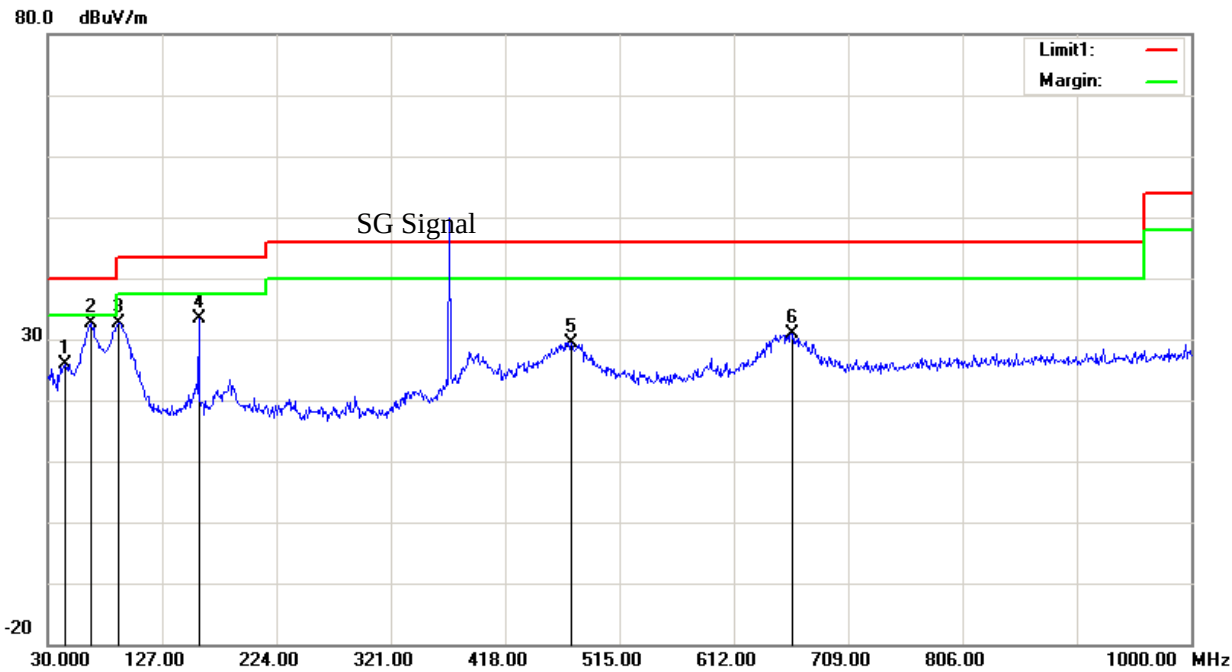
2024-7-22

Vertical

M2

AC 120V/60Hz

370 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	44.5500	39.24	peak	-13.41	25.83	40.00	14.17
2	66.8600	49.06	peak	-16.42	32.64	40.00	7.36
3	90.1400	49.27	peak	-16.52	32.75	43.50	10.75
4	158.0400	44.58	peak	-11.13	33.45	43.50	10.05
5	474.2600	34.31	peak	-4.84	29.47	46.00	16.53
6	661.4700	32.62	peak	-1.73	30.89	46.00	15.11

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

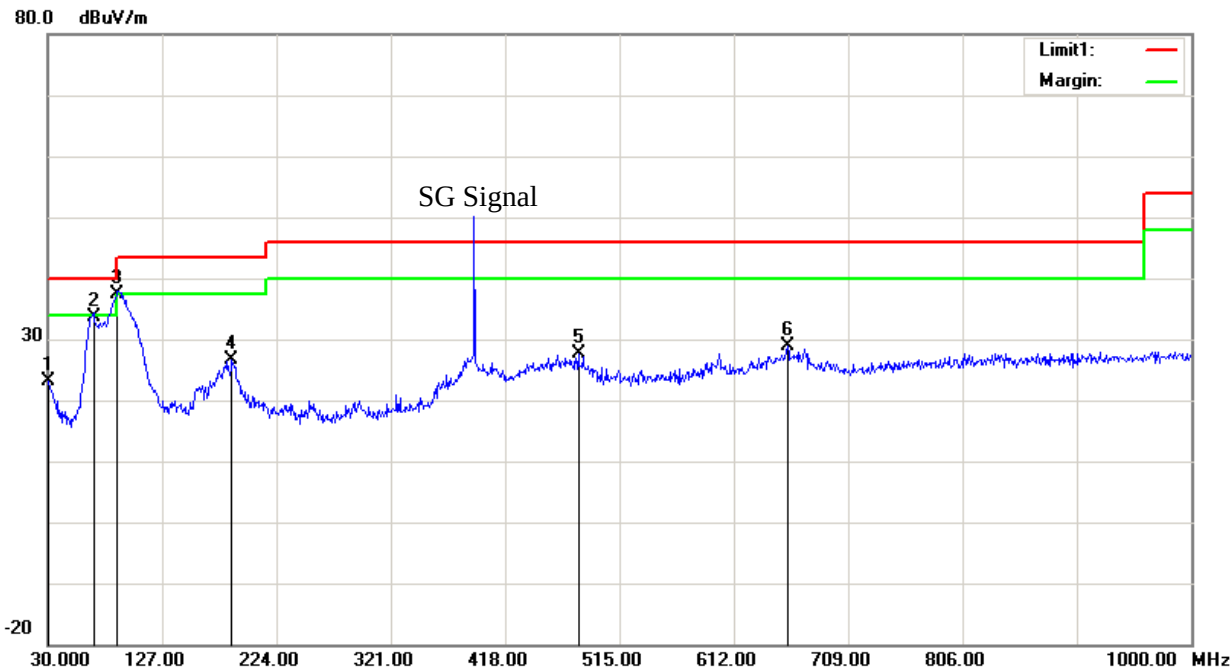
2024-7-22

Horizontal

M2

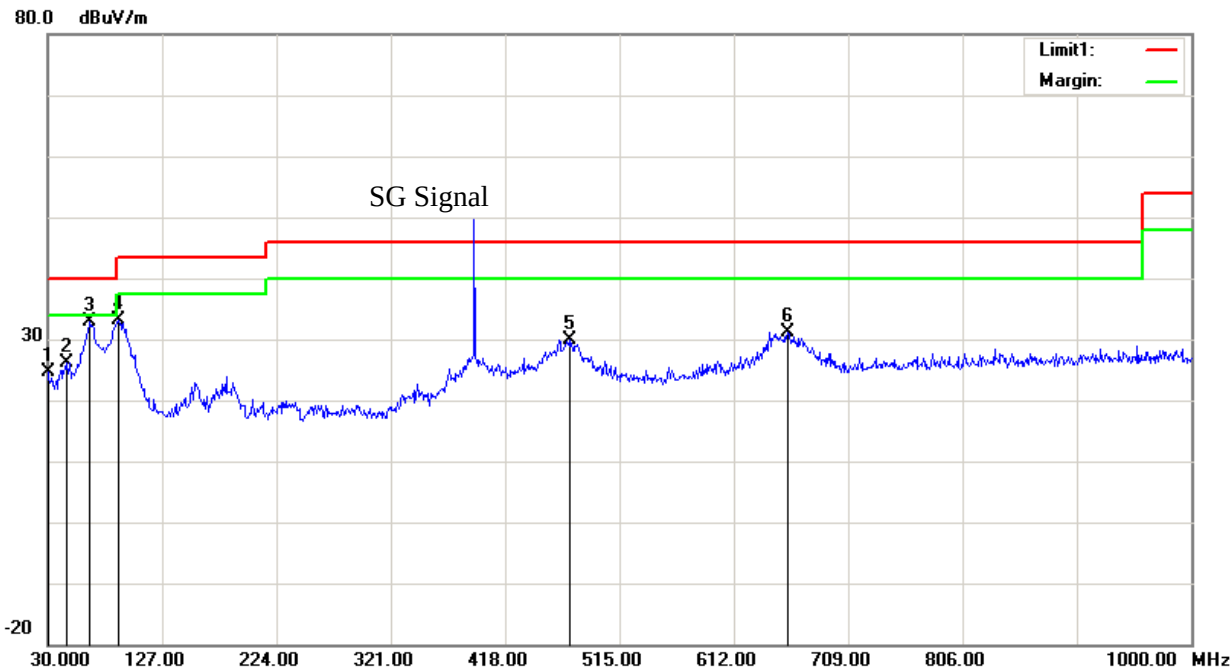
AC 120V/60Hz

389.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	27.64	peak	-4.50	23.14	40.00	16.86
2	68.8000	50.03	QP	-16.33	33.70	40.00	6.30
3	89.1700	54.07	QP	-16.57	37.50	43.50	6.00
4	186.1700	38.76	peak	-12.21	26.55	43.50	16.95
5	480.0800	32.37	peak	-4.71	27.66	46.00	18.34
6	657.5900	30.77	peak	-1.79	28.98	46.00	17.02

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Vertical
Test Mode: M2
Power Source: AC 120V/60Hz
Note: 389.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.0000	28.39	peak	-3.80	24.59	40.00	15.41
2	45.5200	40.01	peak	-13.94	26.07	40.00	13.93
3	65.8900	49.42	peak	-16.46	32.96	40.00	7.04
4	90.1400	49.67	peak	-16.52	33.15	43.50	10.35
5	472.3200	34.72	peak	-4.87	29.85	46.00	16.15
6	657.5900	32.80	peak	-1.79	31.01	46.00	14.99

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

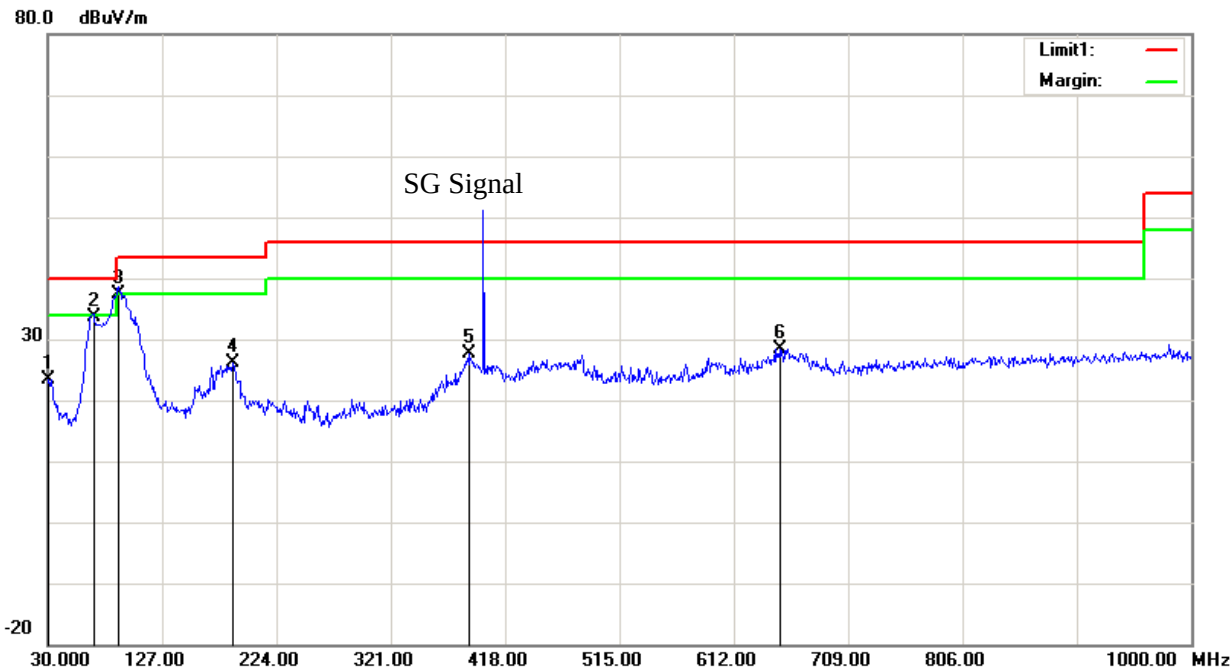
2024-7-22

Horizontal

M2

AC 120V/60Hz

400.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	27.91	peak	-4.50	23.41	40.00	16.59
2	68.8000	49.93	QP	-16.33	33.60	40.00	6.40
3	90.1400	53.92	QP	-16.52	37.40	43.50	6.10
4	187.1400	38.29	peak	-12.19	26.10	43.50	17.40
5	387.9300	34.95	peak	-7.32	27.63	46.00	18.37
6	650.8000	30.26	peak	-1.86	28.40	46.00	17.60

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

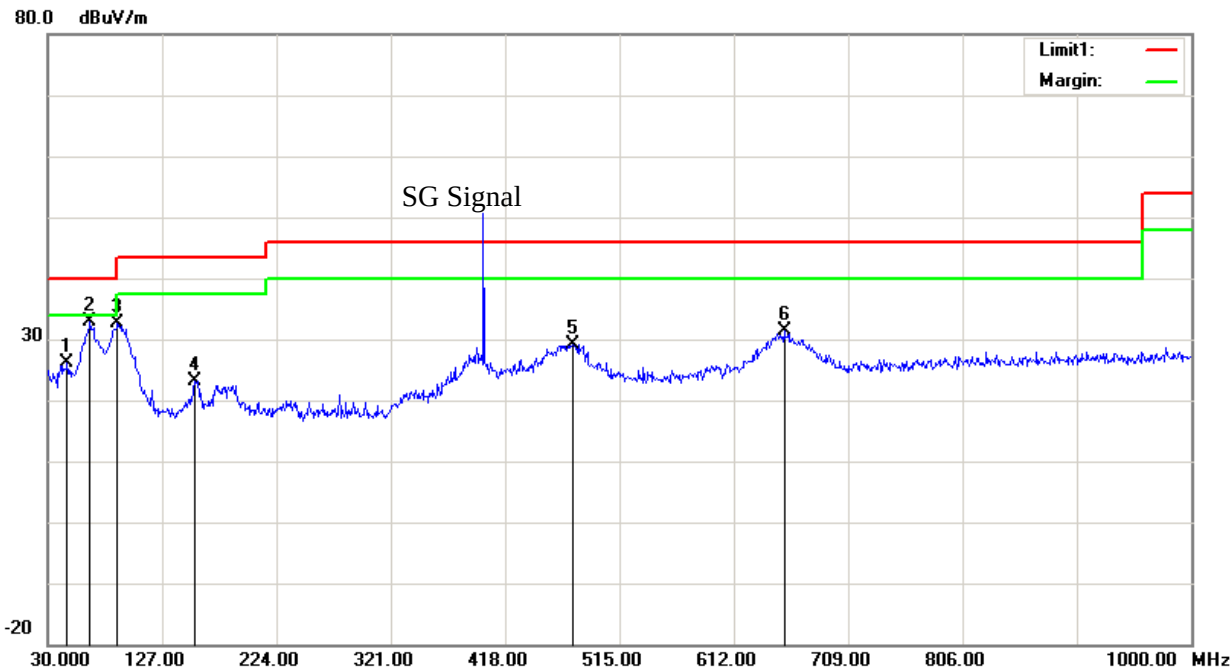
2024-7-22

Vertical

M2

AC 120V/60Hz

400.0125 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	46.4900	40.59	peak	-14.49	26.10	40.00	13.90
2	65.8900	49.38	peak	-16.46	32.92	40.00	7.08
3	89.1700	49.27	peak	-16.57	32.70	43.50	10.80
4	154.1600	34.33	peak	-11.09	23.24	43.50	20.26
5	475.2300	33.95	peak	-4.81	29.14	46.00	16.86
6	654.6800	33.31	peak	-1.81	31.50	46.00	14.50

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

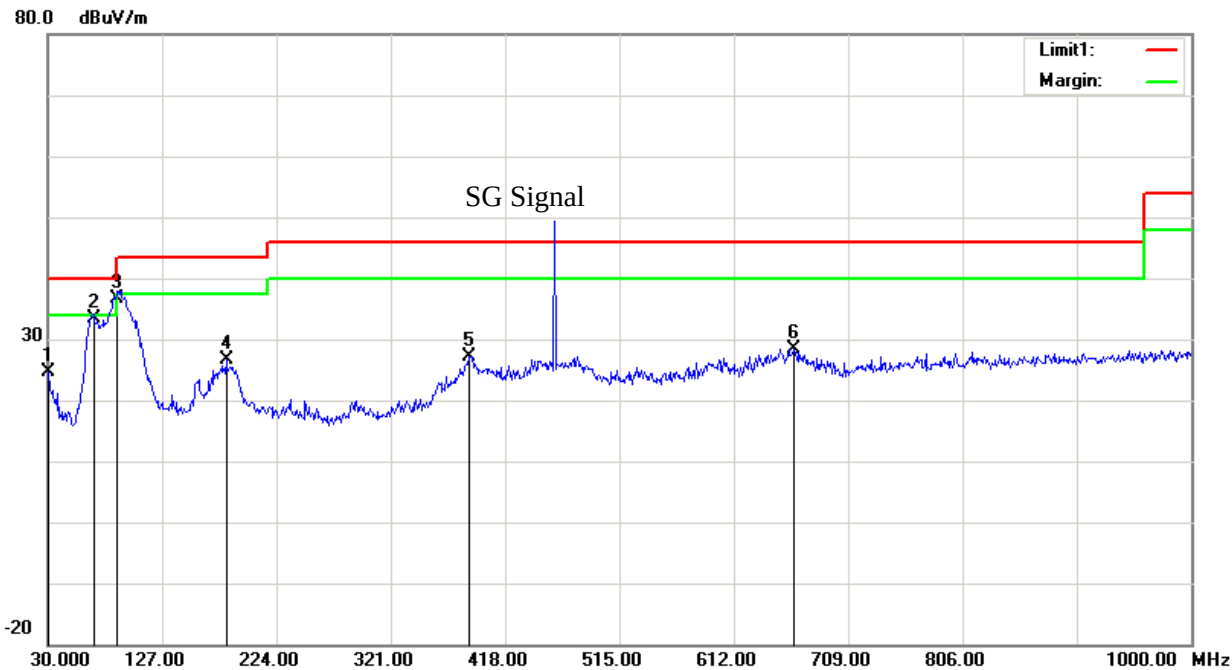
2024-7-22

Horizontal

M2

AC 120V/60Hz

460 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	29.25	peak	-4.50	24.75	40.00	15.25
2	68.8000	49.83	QP	-16.33	33.50	40.00	6.50
3	89.1700	53.27	QP	-16.57	36.70	43.50	6.80
4	181.3200	38.85	peak	-12.33	26.52	43.50	16.98
5	387.9300	34.55	peak	-7.32	27.23	46.00	18.77
6	663.4100	30.16	peak	-1.72	28.44	46.00	17.56

Project No:

Test Engineer:

Test Date:

Polarization:

Test Mode:

Power Source:

Note:

2402V60428E-RF

Zoo Zou

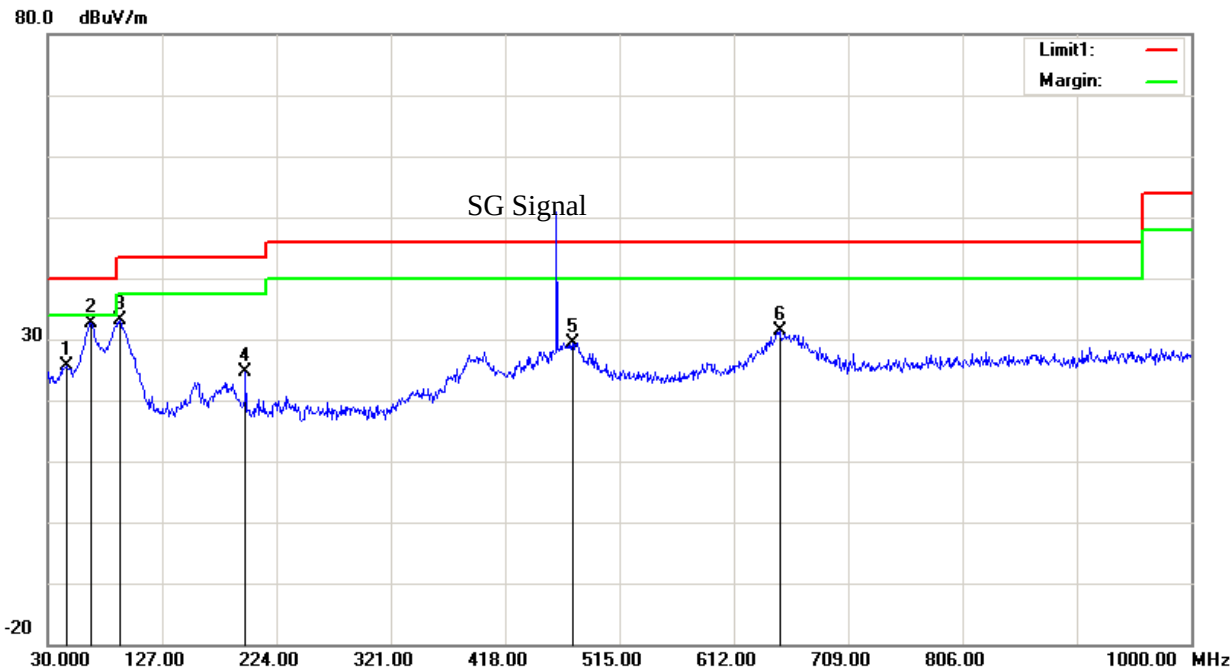
2024-7-22

Vertical

M2

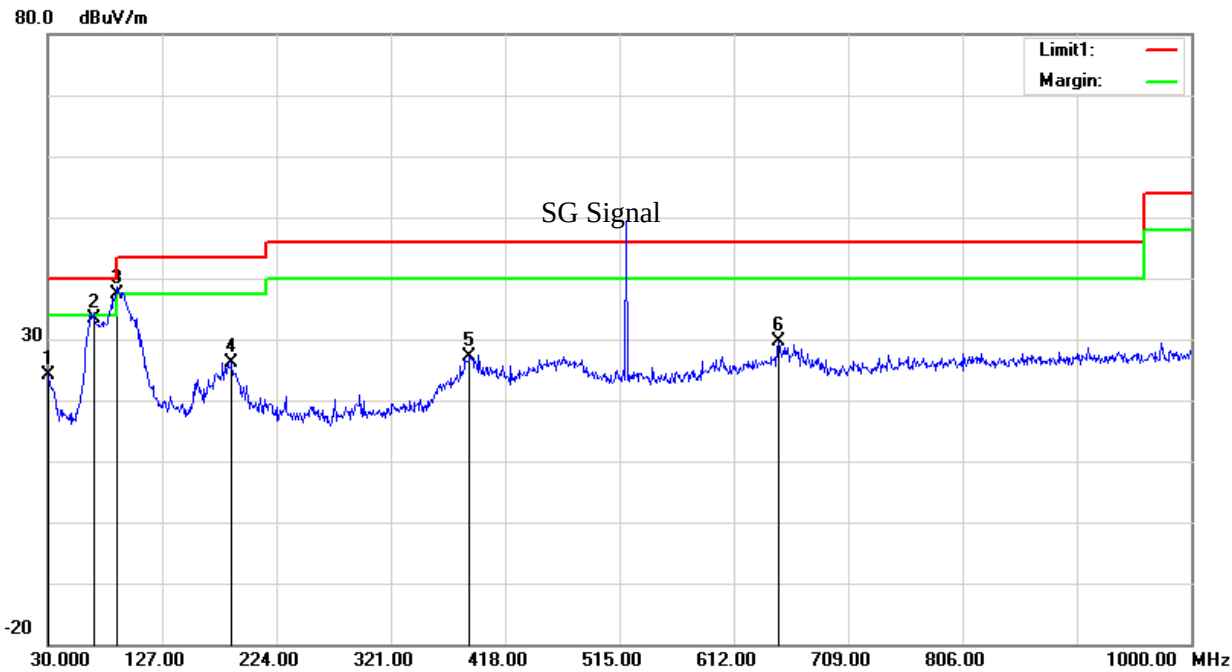
AC 120V/60Hz

460 MHz



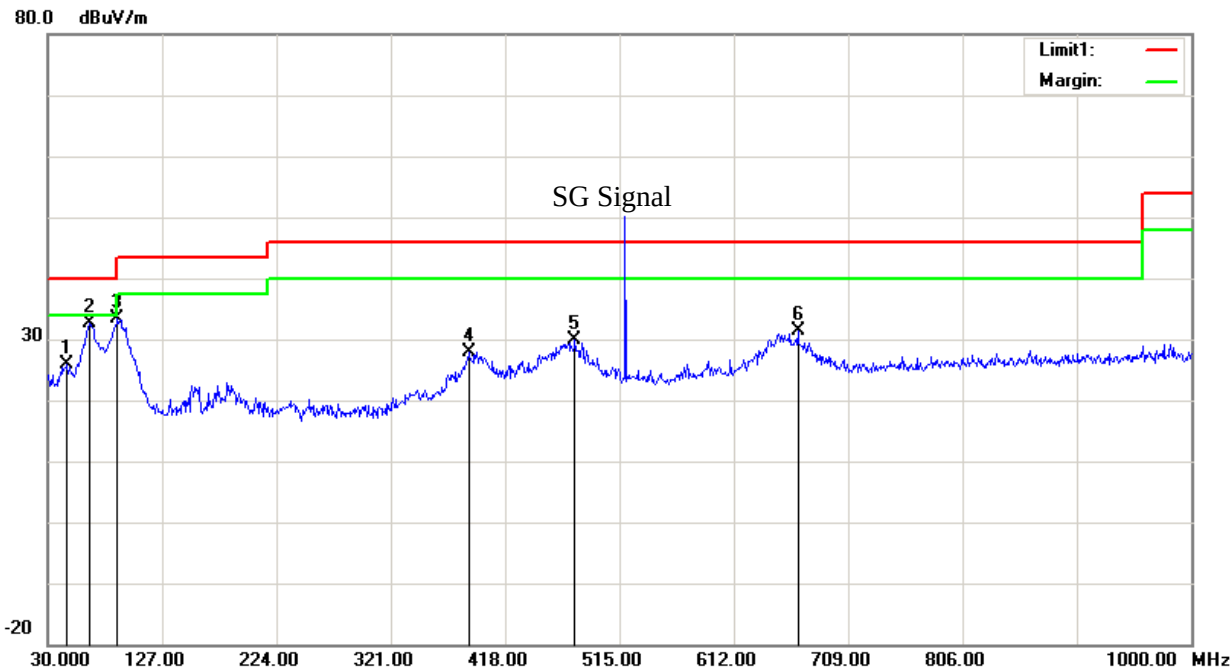
No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	45.5200	39.57	peak	-13.94	25.63	40.00	14.37
2	66.8600	49.15	peak	-16.42	32.73	40.00	7.27
3	91.1100	49.34	peak	-16.30	33.04	43.50	10.46
4	197.8100	36.23	peak	-11.66	24.57	43.50	18.93
5	475.2300	34.17	peak	-4.81	29.36	46.00	16.64
6	650.8000	33.34	peak	-1.86	31.48	46.00	14.52

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Horizontal
Test Mode: M2
Power Source: AC 120V/60Hz
Note: 519.9875 MHz



No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	30.9700	28.53	peak	-4.50	24.03	40.00	15.97
2	68.8000	49.73	QP	-16.33	33.40	40.00	6.60
3	89.1700	53.87	QP	-16.57	37.30	43.50	6.20
4	186.1700	38.40	peak	-12.21	26.19	43.50	17.31
5	387.9300	34.46	peak	-7.32	27.14	46.00	18.86
6	649.8300	31.51	peak	-1.87	29.64	46.00	16.36

Project No: 2402V60428E-RF
Test Engineer: Zoo Zou
Test Date: 2024-7-22
Polarization: Vertical
Test Mode: M2
Power Source: AC 120V/60Hz
Note: 519.9875 MHz

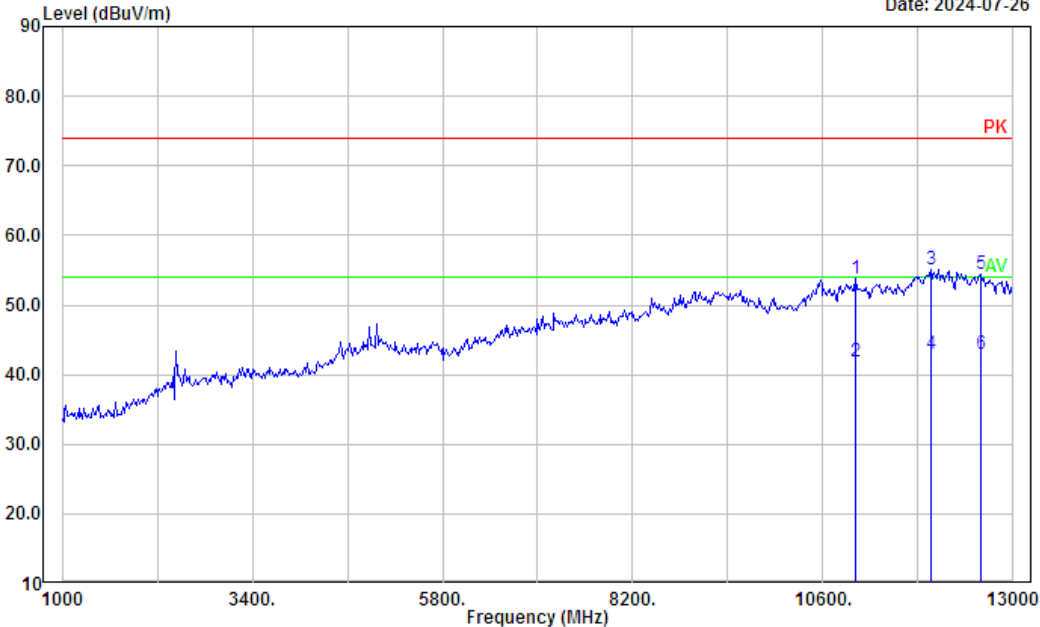


No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	46.4900	40.28	peak	-14.49	25.79	40.00	14.21
2	64.9200	49.21	peak	-16.50	32.71	40.00	7.29
3	89.1700	49.95	peak	-16.57	33.38	43.50	10.12
4	386.9600	35.28	peak	-7.36	27.92	46.00	18.08
5	477.1700	34.65	peak	-4.77	29.88	46.00	16.12
6	666.3200	33.11	peak	-1.67	31.44	46.00	14.56

2) 1GHz-13GHz:
M1(Worst is 136-174MHz):

Project No.: 2402V60428E-RF Serial No.: 208N-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: M1
Note: 136-174MHz

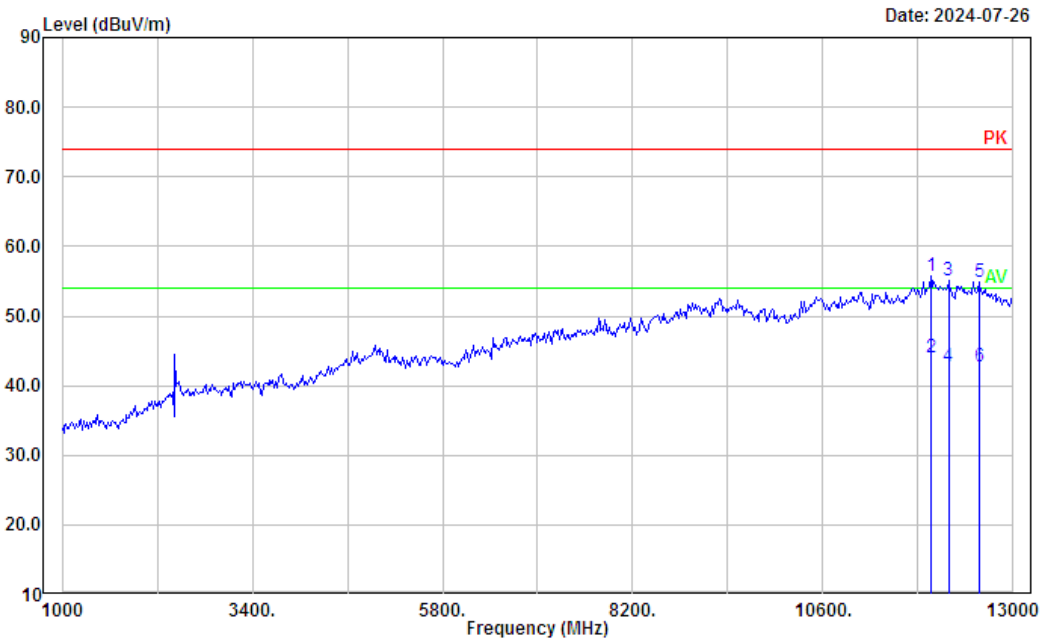
Date: 2024-07-26



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11017.39	33.70	20.13	53.83	74.00	20.17	Peak
2	11017.39	21.70	20.13	41.83	54.00	12.17	Average
3	11956.52	33.44	21.63	55.07	74.00	18.93	Peak
4	11956.52	21.33	21.63	42.96	54.00	11.04	Average
5	12600.00	33.14	21.23	54.37	74.00	19.63	Peak
6	12600.00	21.65	21.23	42.88	54.00	11.12	Average

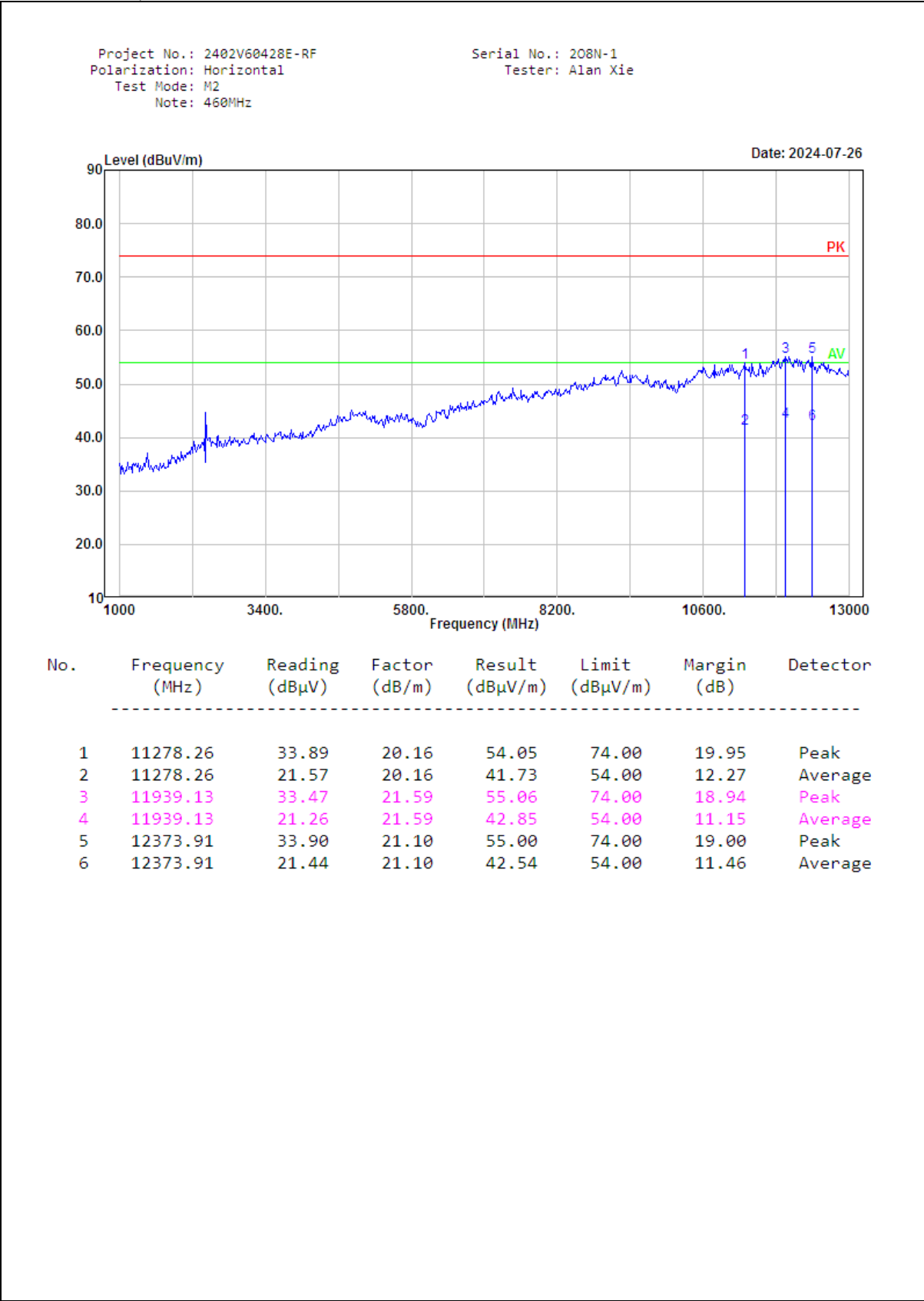
Project No.: 2402V60428E-RF
Polarization: Vertical
Test Mode: M1
Note: 136-174MHz

Serial No.: 208N-1
Tester: Alan Xie



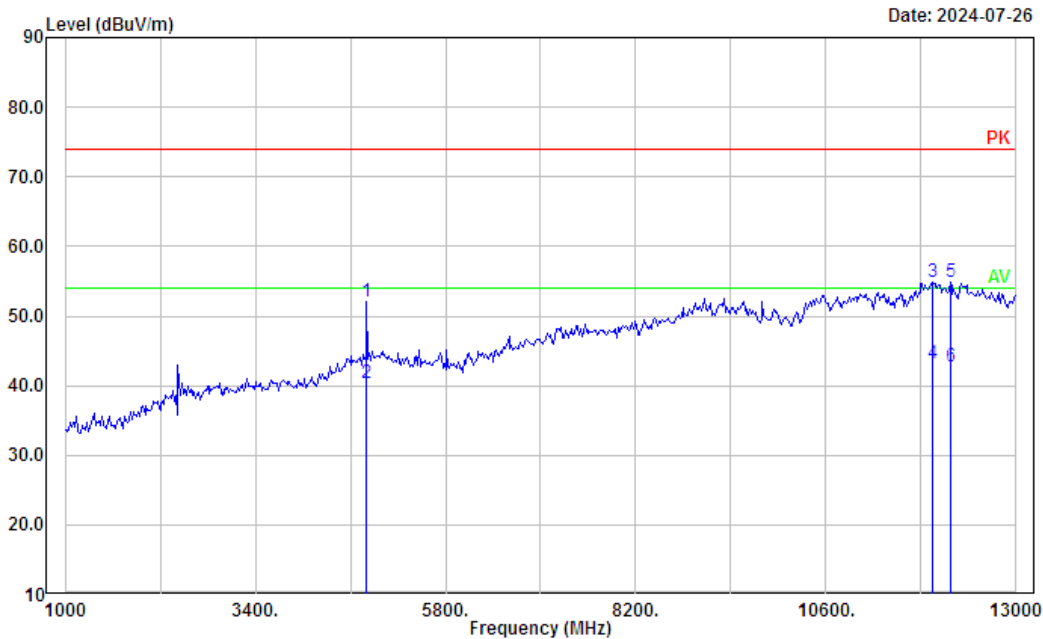
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	11956.52	34.14	21.63	55.77	74.00	18.23	Peak
2	11956.52	22.43	21.63	44.06	54.00	9.94	Average
3	12182.61	33.77	21.23	55.00	74.00	19.00	Peak
4	12182.61	21.52	21.23	42.75	54.00	11.25	Average
5	12565.22	33.59	21.22	54.81	74.00	19.19	Peak
6	12565.22	21.56	21.22	42.78	54.00	11.22	Average

M2(Worst is 460MHz):



Project No.: 2402V60428E-RF
Polarization: Vertical
Test Mode: M2
Note: 460MHz

Serial No.: 208N-1
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	4808.70	41.56	10.55	52.11	74.00	21.89	Peak
2	4808.70	29.86	10.55	40.41	54.00	13.59	Average
3	11939.13	33.31	21.59	54.90	74.00	19.10	Peak
4	11939.13	21.55	21.59	43.14	54.00	10.86	Average
5	12165.22	33.70	21.27	54.97	74.00	19.03	Peak
6	12165.22	21.44	21.27	42.71	54.00	11.29	Average

4.3 Scanning Receivers and Frequency Converters Used with Scanning Receivers

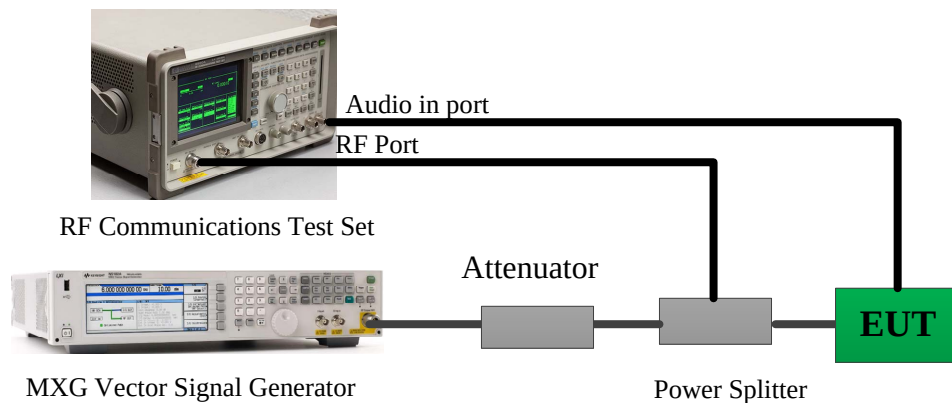
4.3.1 Applicable Standard

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 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:	2O8N-1	Test Date:	2024/7/18
Test Site:	RF	Test Mode:	Scanning
Tester:	Stu Song	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	26.5	Relative Humidity: (%)	64	ATM Pressure: (kPa)	100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
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
Micro-Coax	Coaxial Cable	UFB205A	323308-018	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	2023/10/18	2024/10/17
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2023/9/1	2024/8/31
Minl-Clrcuts	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	Test Frequency	Measurement Result	Limit
MHz	MHz	dB	dB
108-136	824, 836, 849, 869, 881.5, 894	45	>38
136-174	824, 836, 849, 869, 881.5, 894	47	>38
200-260	824, 836, 849, 869, 881.5, 894	44	>38
350-390	824, 836, 849, 869, 881.5, 894	45	>38
400-520	824, 836, 849, 869, 881.5, 894	46	>38

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402V60428E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and
2402V60428E-RF-INP EUT INTERNAL PHOTOGRAPHS

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402V60428E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

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