

TEST REPORT

Applicant: Midland Radio Corporation

Address: 5900 Parretta Drive, Kansas City, Missouri, United States

Product Name: GMRS MOBILE RADIO

FCC ID: MMAMXT115P

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

Report Number: 2502R04460E-RF-00B

Report Date: 2025/7/3

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

Pedro Yun

Gavin Xu

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DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|-----------------|--------------------|-------------------------|------------------|
| 1.0 | 2502R04460E-RF-00B | Original Report | 2025/7/3 |

1. GENERAL INFORMATION

1.1 General Description Of Equipment under Test

| | |
|---|--|
| EUT Name: | GMRS MOBILE RADIO |
| EUT Model: | MXT115P |
| Highest Operation Frequency[▲]: | 467.7250MHz |
| Rated Input Voltage: | DC 13.8V from vehicle system |
| Serial Number: | 2ZB1-1(For Radiated emissions test) 2ZB1-2(For RF Conducted test) |
| EUT Received Date: | 2025/3/4 |
| EUT Received Status: | Good |

1.2 Accessory Information

| Accessory Description | Manufacturer | Model |
|-----------------------|---------------------------|---------|
| Hand Mic | Midland Radio Corporation | Unknown |

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 | Not Applicable |
| FCC§15.109 | Radiated emissions | Compliant |
| FCC§15.111 | Antenna power conduction limits for receivers | Compliant |

Not Applicable, the device was powered by vehicle system

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency And Test Channel:

| Operation Modes | Operation Frequency Range (MHz) | Test Frequency (MHz) |
|-----------------|---------------------------------|----------------------|
| NOAA Receiving | 161.650-163.275 | 161.650, 163.275 |
| UHF Receiving | 462.55-462.725 | 462.6250 |

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 : | M1: Charging &UHF Receiving M2: Charging & NOAA Receiving |
| AC Line Conducted Emission | / |
| RF Conducted: | M1: Charging &UHF Receiving M2: Charging & NOAA Receiving |

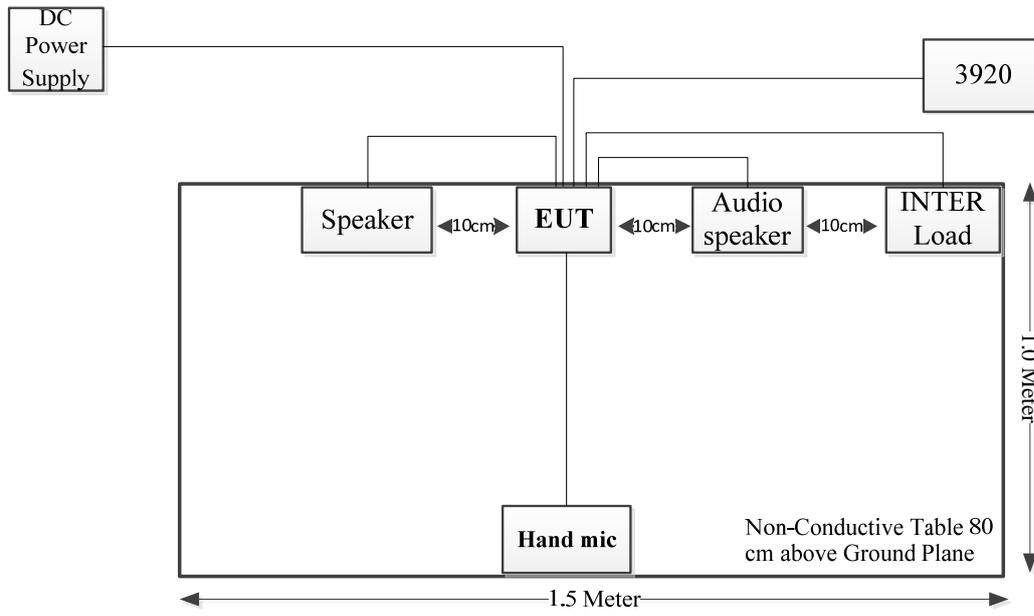
3.3 Support Equipment List and Details

| Manufacturer | Description | Model | Serial Number |
|--------------|----------------------|---------|---------------|
| TDK-Lambda | DC Power Supply | Z+60-14 | F-08-EM038-1 |
| Midland | Speaker | Unknown | Speaker 01 |
| AEROFLEX | Digital Radio Tester | 3920 | 100635767 |
| Midland | Audio Speaker | Unknown | Unknown |
| Midland | INTER Load | Unknown | Unknown |

3.4 Support Cable List and Details

| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port | To |
|---------------------|----------------|--------------|------------|---------------|-----|
| Hand Mic Cable | Yes | No | 2 | Hand Mic | EUT |
| Speaker Cable | No | No | 1.5 | Speaker | EUT |
| Audio Speaker Cable | No | No | 0.6 | Audio Speaker | EUT |
| INTER Load Cable | No | No | 0.6 | INTER Load | EUT |

3.5 Block Diagram of Test Setup



3.6 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.

3.7 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 |
| Temperature | ±1 °C |
| Humidity | ±5% |
| AC Power Lines Conducted Emission | 3.11 dB (150 kHz to 30 MHz) |

4. REQUIREMENTS AND TEST PROCEDURES

4.1 Conducted Emissions

Not Applicable, the device was powered by vehicle system.

4.2 Radiation Emissions

4.2.1 Applicable Standard

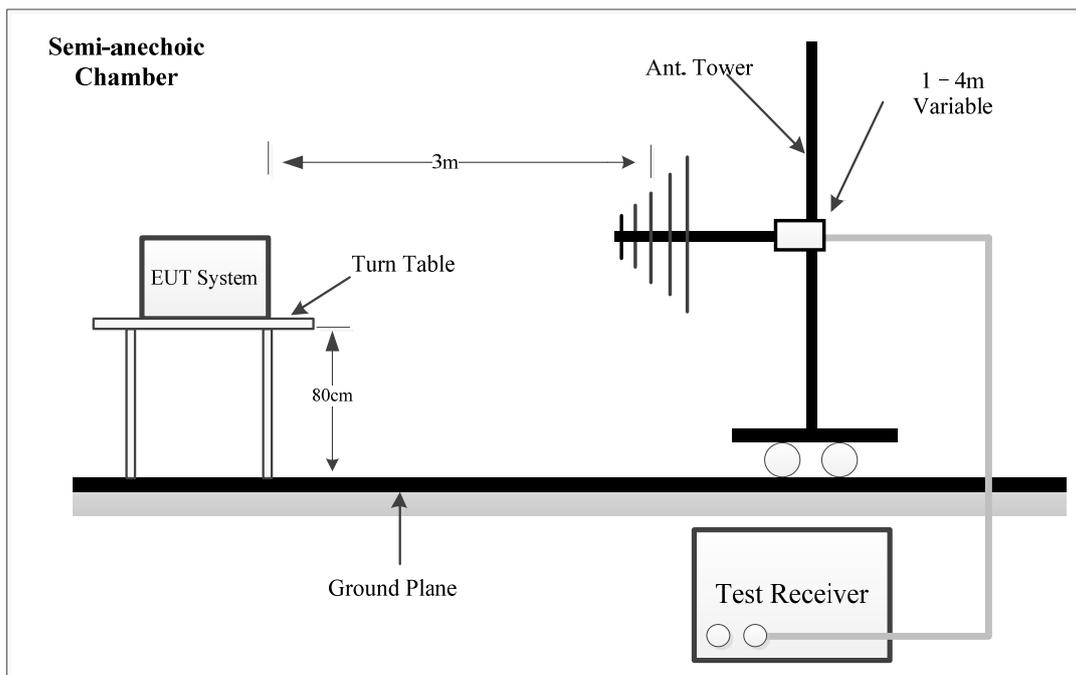
FCC§15.109

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

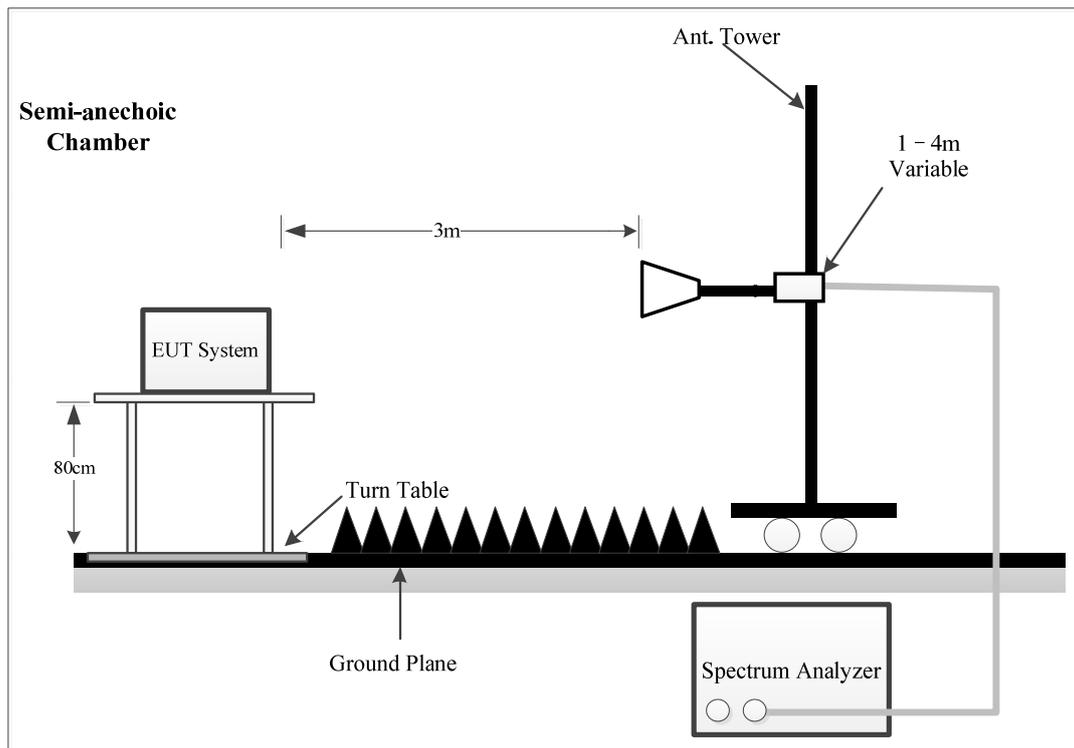
| Frequency of emission (MHz) | Field strength (microvolts/meter) |
|-----------------------------|-----------------------------------|
| 30-88 | 100 |
| 88-216 | 150 |
| 216-960 | 200 |
| Above 960 | 500 |

4.2.2 Test System Setup

Below 1GHz:



Above 1GHz:



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

4.2.3 EMI Test Receiver Setup

The system was investigated from 30 MHz to 2 GHz.

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

| Frequency Range | RBW | Video B/W | IF B/W | Measurement |
|------------------|---------|-----------|--------|-------------|
| 30MHz – 1000 MHz | 100 kHz | 300 kHz | / | Peak |
| | / | / | 120kHz | QP |
| Above 1 GHz | 1 MHz | 3 MHz | / | Peak |
| | 1 MHz | 10 Hz | / | 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: | 2ZB1-1 | Test Date: | Below 1GHz:2025/3/29 &2025/6/18 Above 1GHz:2025/4/1& 2025/6/17 |
| Test Site: | Chamber A, Chamber10m | Test Mode: | M1, M2 |
| Tester: | Lancer Zhang, Leesin Xiang | Test Result: | Pass |

Environmental Conditions:

| | | | | | |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|
| Temperature: (°C) | 19.8~25.2 | Relative Humidity: (%) | 43~54 | ATM Pressure: (kPa) | 100.9~101.4 |
|----------------------|-----------|---------------------------|-------|------------------------|-------------|

Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|----------------|--------------------|----------------|---------------|------------------|----------------------|
| 30MHz~1000MHz | | | | | |
| Sunol Sciences | Hybrid Antenna | JB3 | A060611-1 | 2023/9/6 | 2026/9/5 |
| Narda | Coaxial Attenuator | 779-6dB | 04269 | 2023/9/6 | 2026/9/5 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-1000-01 | 2024/7/1 | 2025/6/30 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0400-04 | 2024/7/1 | 2025/6/30 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0530-01 | 2024/7/1 | 2025/6/30 |
| Sonoma | Amplifier | 310N | 185914 | 2024/8/26 | 2025/8/25 |
| R&S | EMI Test Receiver | ESCI | 100224 | 2024/8/26 | 2025/8/25 |
| Audix | Test Software | E3 | 191218 V9 | N/A | N/A |
| Above 1GHz | | | | | |
| AH | Horn Antenna | SAS-571 | 1177 | 2023/2/22 | 2026/2/21 |
| HUBER+SUHNER | Coaxial Cable | SUCOFLEX 126EA | MY369/26/26EA | 2024/7/1 | 2025/6/30 |
| Mini-Circuits | Preamplifier | ZVZ-183-S+ | 5696001267 | 2025/2/14 | 2026/2/13 |
| R&S | Spectrum Analyzer | FSV40 | 101947 | 2024/9/5 | 2025/9/4 |
| Audix | Test Software | E3 | 191218 V9 | N/A | N/A |

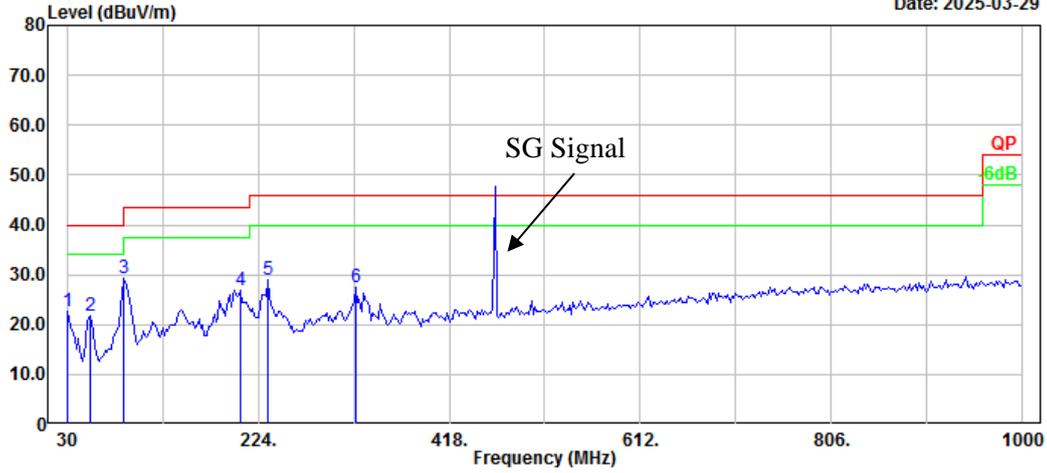
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

1) 30MHz-1GHz:
M1:462.625MHz

Project No.: 2502R04460E-RF
Polarization: Horizontal
Test Mode: M1
Note:
RBW:100kHz VBW:300kHz

Serial No.: 2Z81-1
Tester: Leesin Xiang

Date: 2025-03-29



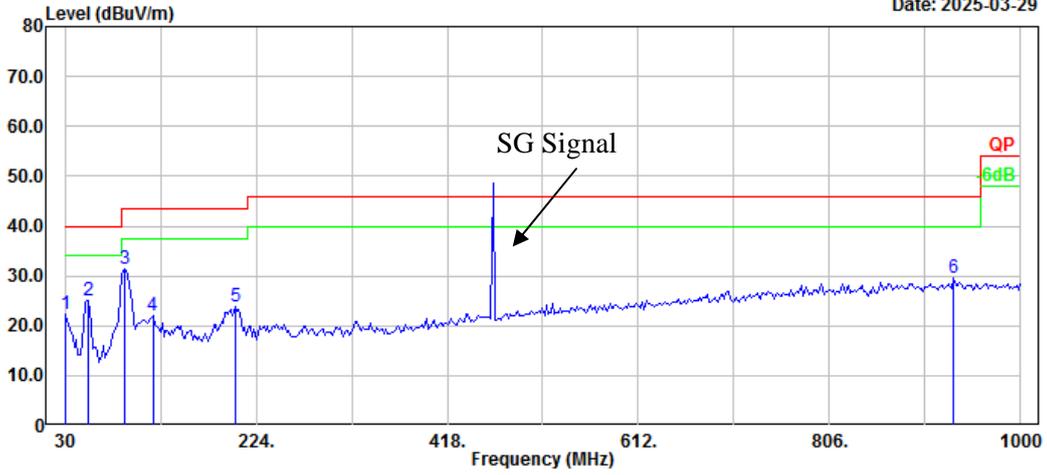
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 30.00 | 26.33 | -3.80 | 22.53 | 40.00 | 17.47 | Peak |
| 2 | 53.28 | 38.40 | -16.52 | 21.88 | 40.00 | 18.12 | Peak |
| 3 | 88.20 | 45.81 | -16.58 | 29.23 | 43.50 | 14.27 | Peak |
| 4 | 206.54 | 39.09 | -12.21 | 26.88 | 43.50 | 16.62 | Peak |
| 5 | 233.70 | 41.00 | -12.05 | 28.95 | 46.00 | 17.05 | Peak |
| 6 | 322.94 | 36.33 | -9.01 | 27.32 | 46.00 | 18.68 | Peak |

Project No.: 2502R04460E-RF
 Polarization: Vertical
 Test Mode: M1
 Note:

Serial No.: 2ZB1-1
 Tester: Leesin Xiang

RBW:100kHz VBW:300kHz

Date: 2025-03-29

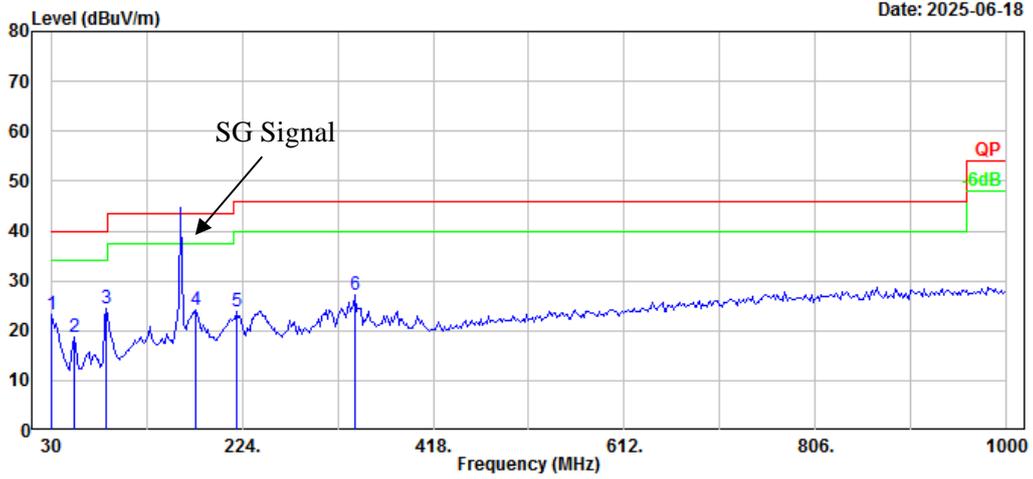


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 30.00 | 26.05 | -3.80 | 22.25 | 40.00 | 17.75 | Peak |
| 2 | 53.28 | 41.56 | -16.52 | 25.04 | 40.00 | 14.96 | Peak |
| 3 | 90.14 | 48.01 | -16.52 | 31.49 | 43.50 | 12.01 | Peak |
| 4 | 119.24 | 32.06 | -10.05 | 22.01 | 43.50 | 21.49 | Peak |
| 5 | 202.66 | 35.77 | -11.80 | 23.97 | 43.50 | 19.53 | Peak |
| 6 | 932.10 | 27.78 | 1.81 | 29.59 | 46.00 | 16.41 | Peak |

M2:161.65MHz

Project No.: 2502R04460E-RF
 Polarization: Horizontal
 Test Mode: M2
 Note:
 RBW:100kHz VBW:300kHz

Serial No.: 2ZB1-1
 Tester: Leesin Xiang

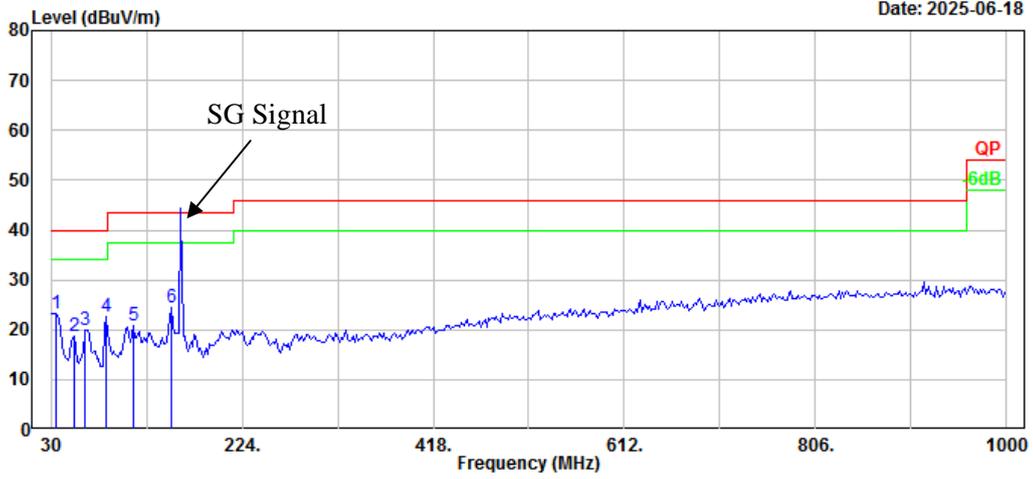


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 30.00 | 27.08 | -3.80 | 23.28 | 40.00 | 16.72 | Peak |
| 2 | 53.28 | 35.23 | -16.52 | 18.71 | 40.00 | 21.29 | Peak |
| 3 | 86.26 | 41.09 | -16.62 | 24.47 | 40.00 | 15.53 | Peak |
| 4 | 177.44 | 36.36 | -12.21 | 24.15 | 43.50 | 19.35 | Peak |
| 5 | 218.18 | 36.48 | -12.51 | 23.97 | 46.00 | 22.03 | Peak |
| 6 | 338.46 | 36.01 | -8.75 | 27.26 | 46.00 | 18.74 | Peak |

Project No.: 2502R04460E-RF
 Polarization: Vertical
 Test Mode: M2
 Note:

Serial No.: 2ZB1-1
 Tester: Leesin Xiang

RBW:100kHz VBW:300kHz

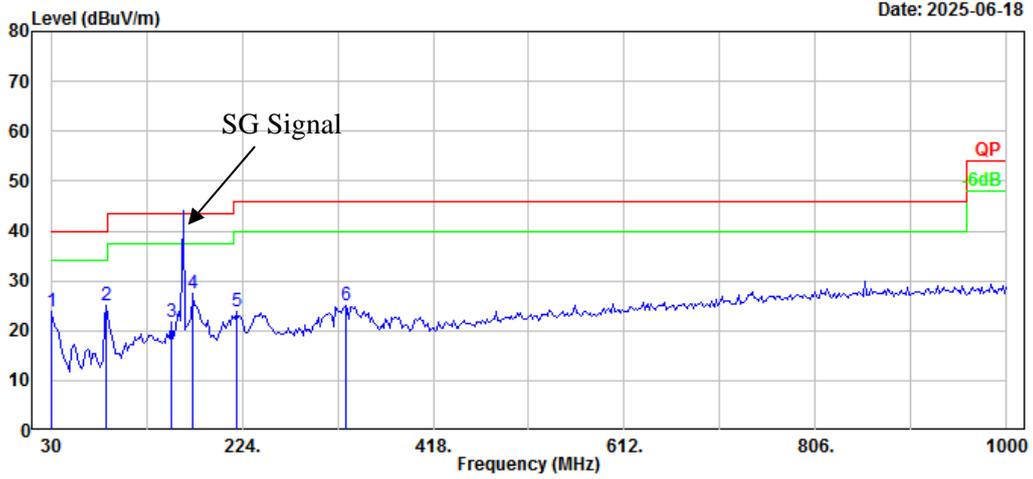


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 35.82 | 31.34 | -8.01 | 23.33 | 40.00 | 16.67 | Peak |
| 2 | 53.28 | 35.25 | -16.52 | 18.73 | 40.00 | 21.27 | Peak |
| 3 | 64.92 | 36.47 | -16.50 | 19.97 | 40.00 | 20.03 | Peak |
| 4 | 86.26 | 39.16 | -16.62 | 22.54 | 40.00 | 17.46 | Peak |
| 5 | 113.42 | 31.61 | -10.87 | 20.74 | 43.50 | 22.76 | Peak |
| 6 | 152.22 | 35.50 | -11.08 | 24.42 | 43.50 | 19.08 | Peak |

M2:163.275MHz

Project No.: 2502R04460E-RF
 Polarization: Horizontal
 Test Mode: M2
 Note:
 RBW:100kHz VBW:300kHz

Serial No.: 2ZB1-1
 Tester: Leesin Xiang

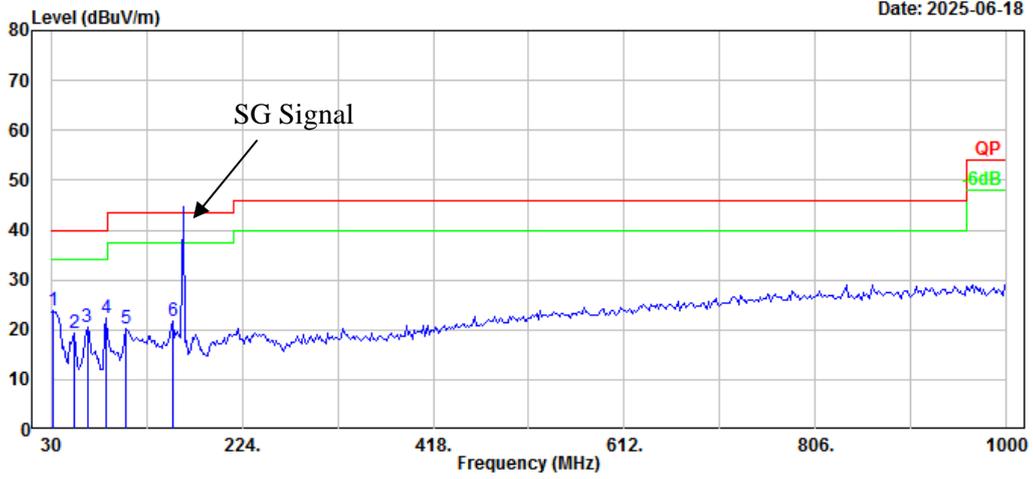


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 30.00 | 27.54 | -3.80 | 23.74 | 40.00 | 16.26 | Peak |
| 2 | 86.26 | 41.75 | -16.62 | 25.13 | 40.00 | 14.87 | Peak |
| 3 | 152.22 | 32.76 | -11.08 | 21.68 | 43.50 | 21.82 | Peak |
| 4 | 173.56 | 39.51 | -11.98 | 27.53 | 43.50 | 15.97 | Peak |
| 5 | 218.18 | 36.26 | -12.51 | 23.75 | 46.00 | 22.25 | Peak |
| 6 | 328.76 | 34.08 | -8.88 | 25.20 | 46.00 | 20.80 | Peak |

Project No.: 2502R04460E-RF
 Polarization: Vertical
 Test Mode: M2
 Note:

Serial No.: 2ZB1-1
 Tester: Leesin Xiang

RBW:100kHz VBW:300kHz



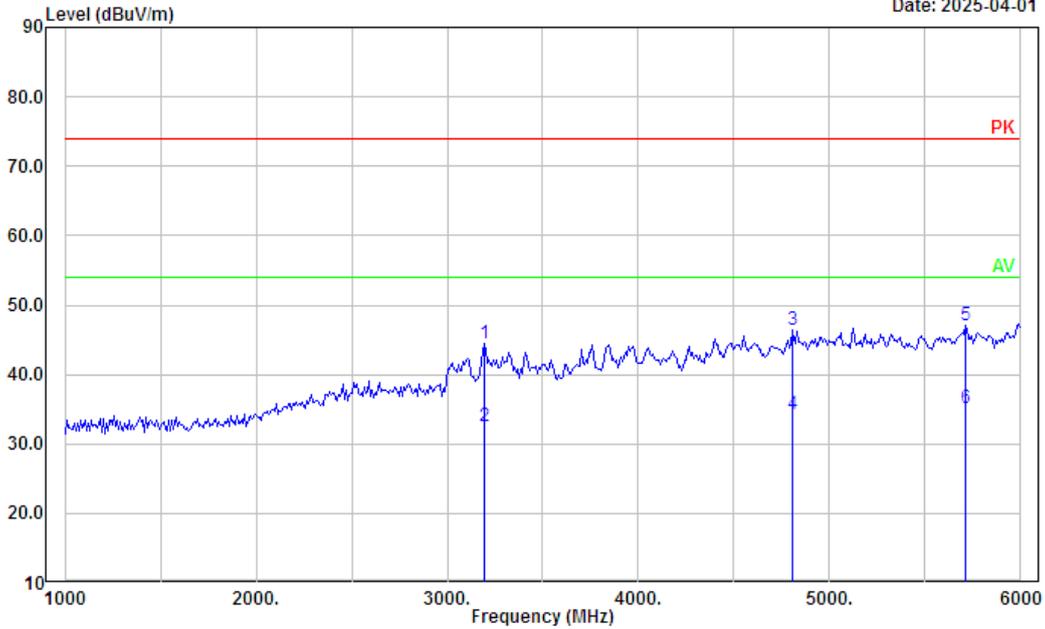
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 31.94 | 29.18 | -5.21 | 23.97 | 40.00 | 16.03 | Peak |
| 2 | 53.28 | 35.80 | -16.52 | 19.28 | 40.00 | 20.72 | Peak |
| 3 | 66.86 | 37.03 | -16.42 | 20.61 | 40.00 | 19.39 | Peak |
| 4 | 86.26 | 38.98 | -16.62 | 22.36 | 40.00 | 17.64 | Peak |
| 5 | 105.66 | 32.98 | -12.68 | 20.30 | 43.50 | 23.20 | Peak |
| 6 | 154.16 | 32.82 | -11.09 | 21.73 | 43.50 | 21.77 | Peak |

2) Above 1GHz:
M1:462.625MHz

Project No.: 2502R04460E-RF
Polarization: Horizontal
Test Mode: M1
Note: 462.625MHz
RBW:1MHz VBW:3MHz

Serial No.: 2ZB1-1
Tester: Lancer Zhang

Date: 2025-04-01

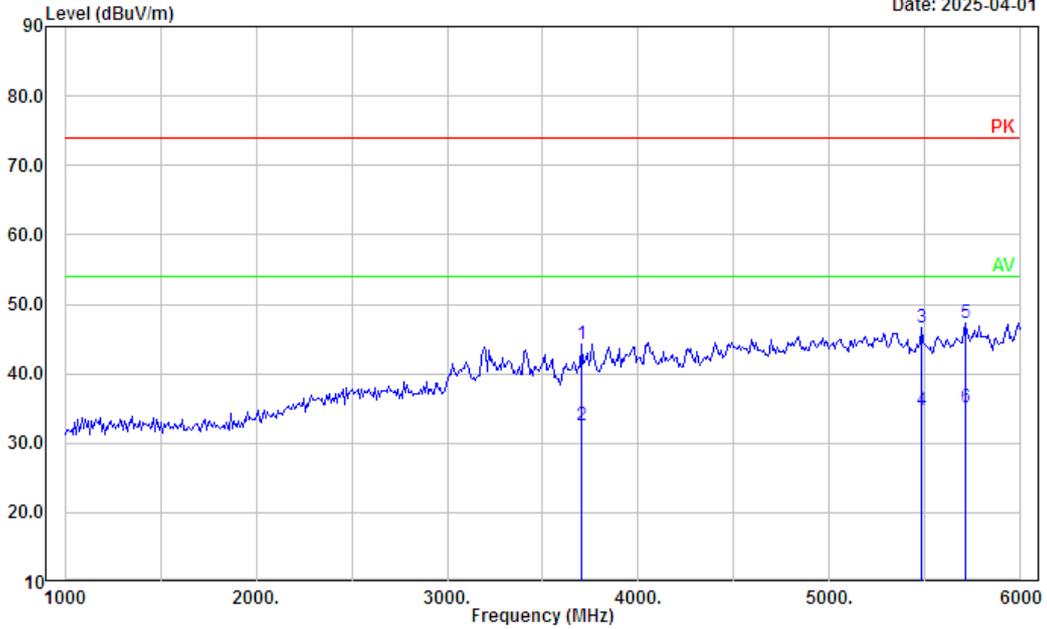


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 3191.67 | 39.12 | 5.40 | 44.52 | 74.00 | 29.48 | Peak |
| 2 | 3191.67 | 27.18 | 5.40 | 32.58 | 54.00 | 21.42 | Average |
| 3 | 4808.33 | 35.82 | 10.55 | 46.37 | 74.00 | 27.63 | Peak |
| 4 | 4808.33 | 23.82 | 10.55 | 34.37 | 54.00 | 19.63 | Average |
| 5 | 5708.33 | 35.93 | 11.23 | 47.16 | 74.00 | 26.84 | Peak |
| 6 | 5708.33 | 23.94 | 11.23 | 35.17 | 54.00 | 18.83 | Average |

Project No.: 2502R04460E-RF
 Polarization: Vertical
 Test Mode: M1
 Note: 462.625MHz
 RBW:1MHz VBW:3MHz

Serial No.: 2ZB1-1
 Tester: Lancer Zhang

Date: 2025-04-01



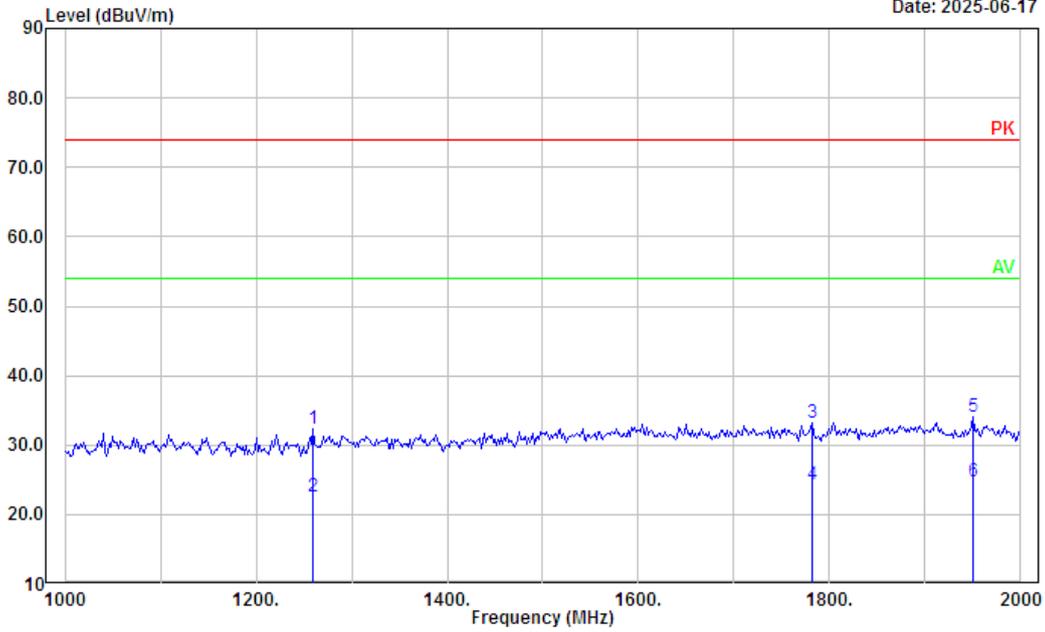
| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 3700.00 | 37.58 | 6.62 | 44.20 | 74.00 | 29.80 | Peak |
| 2 | 3700.00 | 25.85 | 6.62 | 32.47 | 54.00 | 21.53 | Average |
| 3 | 5483.33 | 35.94 | 10.69 | 46.63 | 74.00 | 27.37 | Peak |
| 4 | 5483.33 | 23.94 | 10.69 | 34.63 | 54.00 | 19.37 | Average |
| 5 | 5708.33 | 35.96 | 11.23 | 47.19 | 74.00 | 26.81 | Peak |
| 6 | 5708.33 | 23.95 | 11.23 | 35.18 | 54.00 | 18.82 | Average |

M2:161.65MHz

Project No.: 2502R04460E-RF
 Polarization: Horizontal
 Test Mode: M2
 Note: 161.65MHz
 RBW:1MHz VBW:3MHz

Serial No.: 22B1-1
 Tester: Lancer Zhang

Date: 2025-06-17

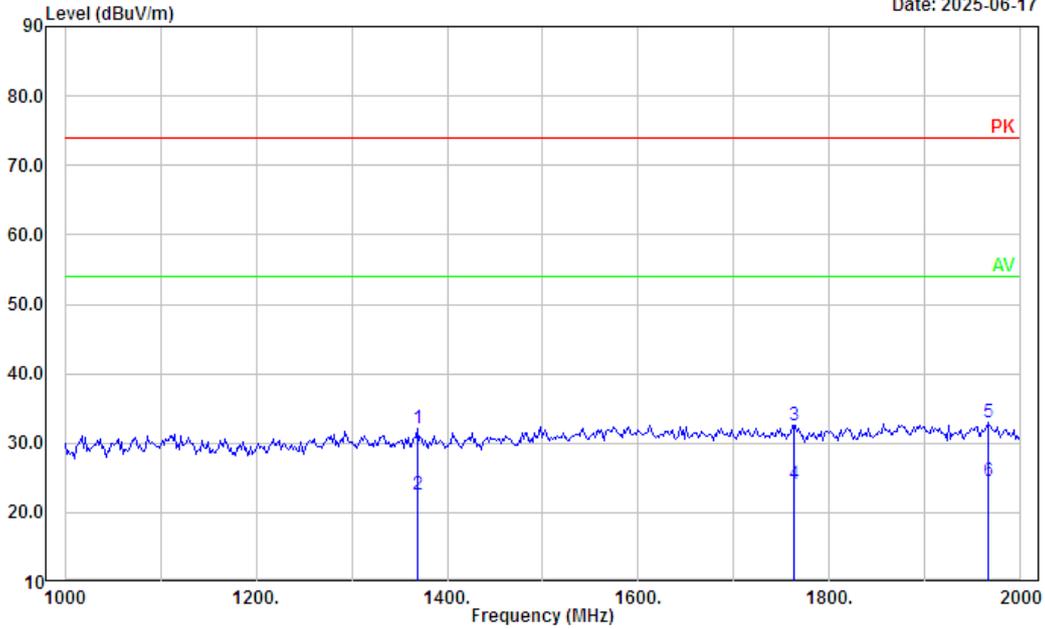


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 1260.00 | 48.16 | -15.91 | 32.25 | 74.00 | 41.75 | Peak |
| 2 | 1260.00 | 38.47 | -15.91 | 22.56 | 54.00 | 31.44 | Average |
| 3 | 1781.67 | 47.36 | -14.08 | 33.28 | 74.00 | 40.72 | Peak |
| 4 | 1781.67 | 38.37 | -14.08 | 24.29 | 54.00 | 29.71 | Average |
| 5 | 1950.00 | 47.68 | -13.61 | 34.07 | 74.00 | 39.93 | Peak |
| 6 | 1950.00 | 38.42 | -13.61 | 24.81 | 54.00 | 29.19 | Average |

Project No.: 2502R04460E-RF
 Polarization: Vertical
 Test Mode: M2
 Note: 161.65MHz
 RBW:1MHz VBW:3MHz

Serial No.: 2ZB1-1
 Tester: Lancer Zhang

Date: 2025-06-17

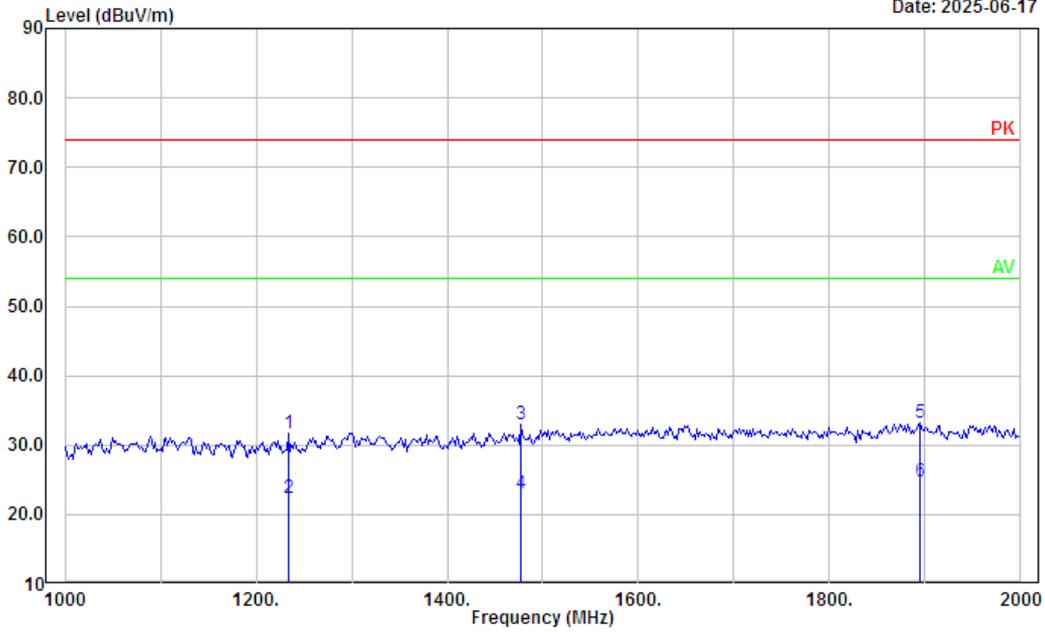


| No. | Frequency (MHz) | Reading (dBUV) | Factor (dB/m) | Result (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 1368.33 | 47.61 | -15.58 | 32.03 | 74.00 | 41.97 | Peak |
| 2 | 1368.33 | 38.24 | -15.58 | 22.66 | 54.00 | 31.34 | Average |
| 3 | 1763.33 | 46.76 | -14.12 | 32.64 | 74.00 | 41.36 | Peak |
| 4 | 1763.33 | 38.12 | -14.12 | 24.00 | 54.00 | 30.00 | Average |
| 5 | 1966.67 | 46.49 | -13.62 | 32.87 | 74.00 | 41.13 | Peak |
| 6 | 1966.67 | 38.11 | -13.62 | 24.49 | 54.00 | 29.51 | Average |

M2:163.275MHz

Project No.: 2502R04460E-RF Serial No.: 22B1-1
 Polarization: Horizontal Tester: Lancer Zhang
 Test Mode: M2
 Note: 163.275MHz
 RBW:1MHz VBW:3MHz

Date: 2025-06-17

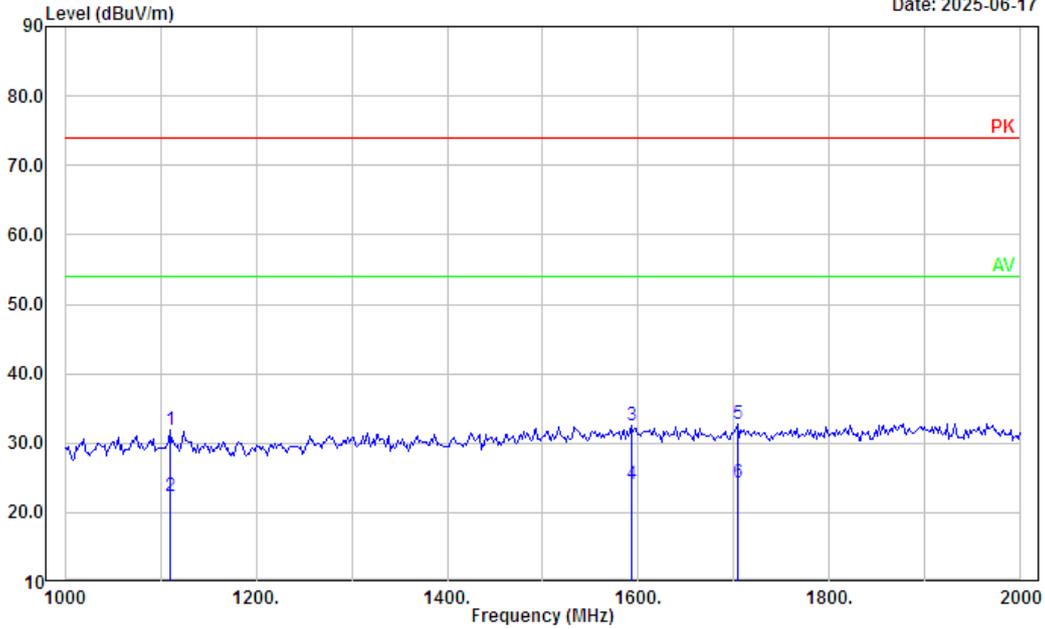


| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 1233.33 | 48.00 | -16.25 | 31.75 | 74.00 | 42.25 | Peak |
| 2 | 1233.33 | 38.52 | -16.25 | 22.27 | 54.00 | 31.73 | Average |
| 3 | 1476.67 | 48.07 | -15.12 | 32.95 | 74.00 | 41.05 | Peak |
| 4 | 1476.67 | 38.21 | -15.12 | 23.09 | 54.00 | 30.91 | Average |
| 5 | 1895.00 | 46.54 | -13.43 | 33.11 | 74.00 | 40.89 | Peak |
| 6 | 1895.00 | 38.14 | -13.43 | 24.71 | 54.00 | 29.29 | Average |

Project No.: 2502R04460E-RF
 Polarization: Vertical
 Test Mode: M2
 Note: 163.275MHz
 RBW:1MHz VBW:3MHz

Serial No.: 2ZB1-1
 Tester: Lancer Zhang

Date: 2025-06-17



| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Measurement |
|-----|-----------------|----------------|---------------|-----------------|----------------|-------------|-------------|
| 1 | 1110.00 | 47.95 | -16.02 | 31.93 | 74.00 | 42.07 | Peak |
| 2 | 1110.00 | 38.41 | -16.02 | 22.39 | 54.00 | 31.61 | Average |
| 3 | 1593.33 | 46.77 | -14.28 | 32.49 | 74.00 | 41.51 | Peak |
| 4 | 1593.33 | 38.32 | -14.28 | 24.04 | 54.00 | 29.96 | Average |
| 5 | 1703.33 | 47.15 | -14.29 | 32.86 | 74.00 | 41.14 | Peak |
| 6 | 1703.33 | 38.52 | -14.29 | 24.23 | 54.00 | 29.77 | Average |

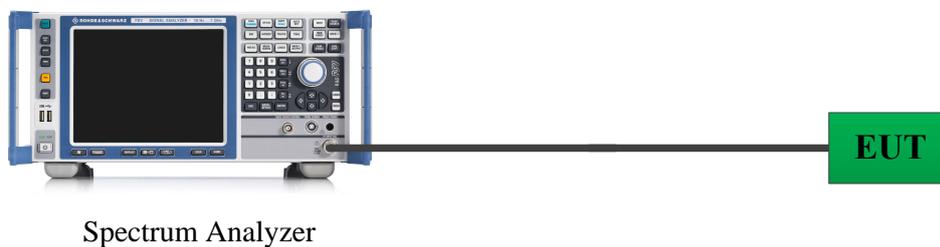
4.3 Antenna Power Conduction Limits for Receivers

4.3.1 Applicable Standard

FCC§15.111.

(a) In addition to the radiated emission limits, receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provide terminals for the connection of an external receiving antenna may be tested to demonstrate compliance with the provisions of § 15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna, provided these receivers also comply with the following: With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at any frequency within the range of measurements specified in § 15.33 shall not exceed 2.0 nanowatts.

4.3.2 EUT Setup Block Diagram



4.3.3 Test Procedure

EUT antenna port connected to a spectrum analyzer, the traces were recorded as shown on the data pages.

4.3.4 Test Data and Result

| | | | |
|----------------|----------|--------------|--------------------|
| Serial Number: | 2ZB1-2 | Test Date: | 2025/4/30-2025/7/3 |
| Test Site: | RF | Test Mode: | Receiving |
| Tester: | Stu Song | Test Result: | Pass |

Environmental Conditions:

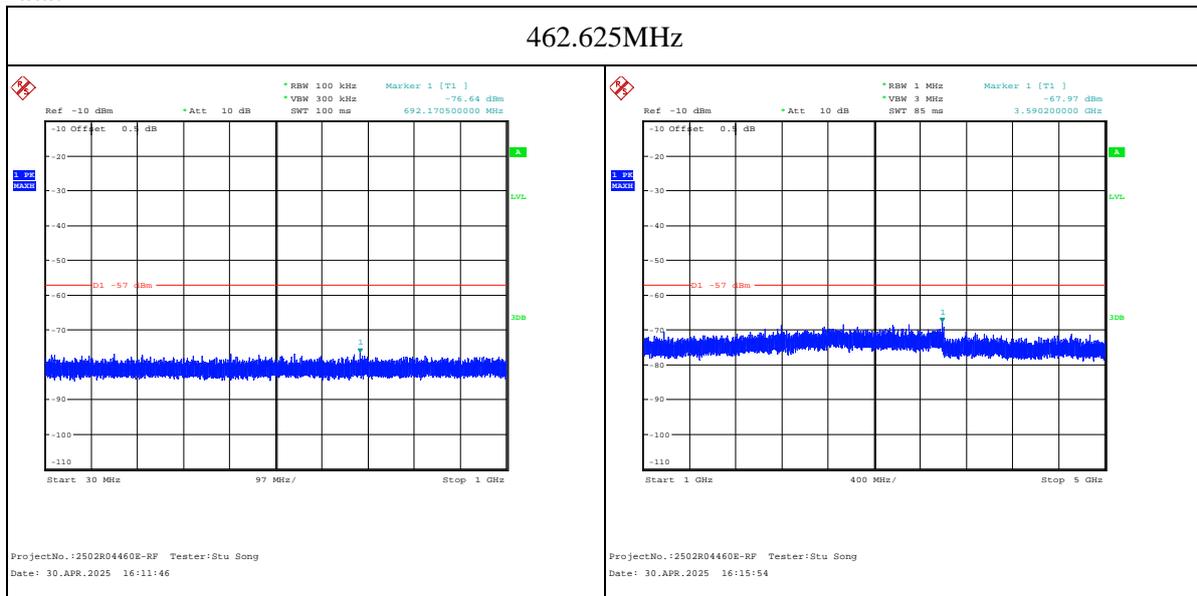
| | | | | | |
|----------------------|-----------|---------------------------|-------|------------------------|-------|
| Temperature: (°C) | 25.3-26.1 | Relative Humidity: (%) | 58-71 | ATM Pressure: (kPa) | 100.8 |
|----------------------|-----------|---------------------------|-------|------------------------|-------|

Test Equipment List and Details:

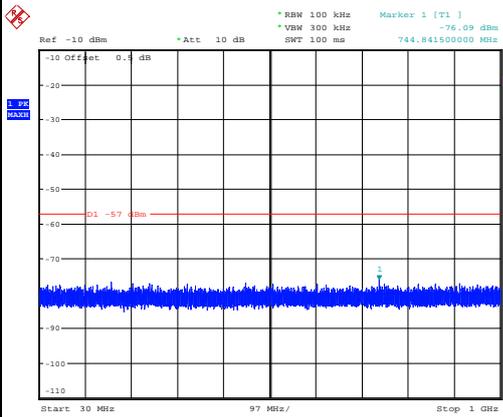
| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------|-------------------|-----------|---------------|------------------|----------------------|
| R&S | Spectrum Analyzer | FSU 26 | 200160/026 | 2024/9/5 | 2025/9/4 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0200-03 | 2024/8/23 | 2025/8/22 |

* 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).

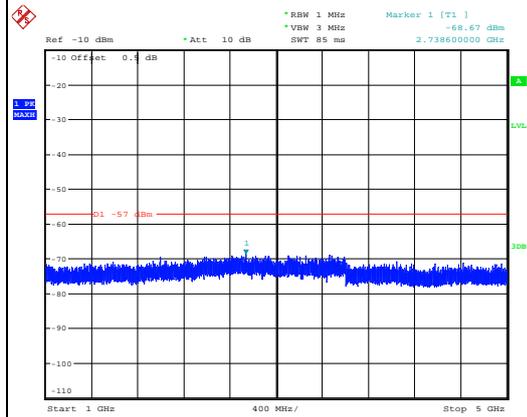
Test Data:



161.65MHz

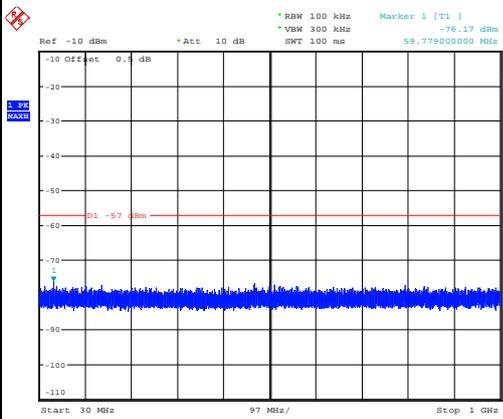


ProjectNo.:2502R04460E-RF Tester:Stu Song
Date: 3.JUL.2025 15:25:36

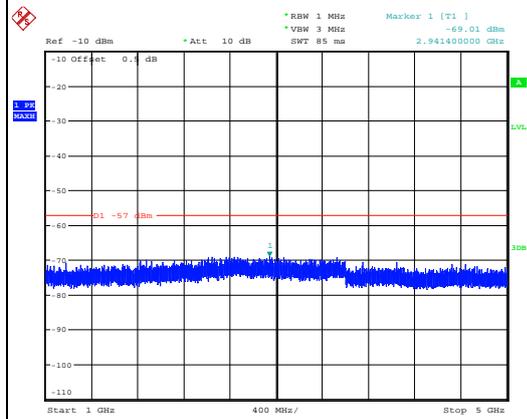


ProjectNo.:2502R04460E-RF Tester:Stu Song
Date: 3.JUL.2025 15:29:22

163.275MHz



ProjectNo.:2502R04460E-RF Tester:Stu Song
Date: 3.JUL.2025 15:26:24



ProjectNo.:2502R04460E-RF Tester:Stu Song
Date: 3.JUL.2025 15:28:22

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502R04460E-RF-EXP EUT external photographs and 2502R04460E-RF-INP EUT internal photographs.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502R04460E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

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