



FCC PART 95

TEST REPORT

For

Midland Radio Corporation

5900 Parretta Drive, Kansas City, Missouri, United States

FCC ID: MMAMXT115P

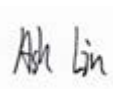
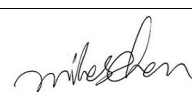
Report Type: Class II Permissive Change Report	Product Name: GMRS MOBILE RADIO
Report Number:	<u>2607P33479E-RF-A1-01</u>
Report Date:	<u>2026-03-27</u>
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	2607P33479E-RF-A1-01	R1V1	2026-03-27	Initial Release

Note: This is Class II Permissive Change report based on original report No.: 2502R04460E-RF-00A which was issued by Bay Area Compliance Laboratories Corp. (Dongguan).

Description of change:

1. Changed the RF power tube.
2. Change the antenna.

Above changes between the previous equipment and the current equipment is stated and guaranteed by the applicant. The difference between them affect the results, we will re-test item “Radiated Spurious Emissions”, “RF Output power”, “Spurious emissions at antenna terminals” and update test photos and EUT photos. The other test data were not affected, please refer to the report 2502R04460E-RF-00A.

GENERAL INFORMATION**Product Description for Equipment under Test (EUT)**

Applicant:	Midland Radio Corporation
Product Name:	GMRS MOBILE RADIO
Tested Model:	MXT115P
Series Model(s):	N/A
Trade Mark:	MIDLAND
Power Supply:	DC 13.8V from DC Source
Maximum Output Power:	462 MHz Main Channels: 41.21dBm (Conducted) 462 MHz interstitial channels: 36.74dBm (ERP) 467 MHz Main Channels: 41.07dBm (Conducted)
Modulation Mode:	FM
Channel Bandwidth:	12.5kHz, 25kHz
EUT Received Status:	Good
<i>Note:</i> 1. All measurement and test data in this report was gathered from production sample serial number: 3GY8-1 (Assigned by the BACL (Xiamen). The EUT supplied by the applicant was received on 2026-01-29).	

Antenna Information

Antenna Type	Antenna Connector	Input Impedance (Ohm)	Antenna Gain /Frequency Range
Monopole	SO-239 UHF	50	2.15 dBi / 462-468MHz

Objective

This test report is prepared for *Midland Radio Corporation* in accordance with Part 2 and Part 95, Subpart E of the Federal Communication Commissions rules.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with Part 95 Subpart E of the Federal Communication Commissions rules with ANSI C63.26:2015, American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services.

Measurement Uncertainty

Item		U _{lab}
Radiated Spurious Emission	9kHz~150kHz	2.82 dB
	150kHz~30MHz	2.74 dB
	30MHz~1GHz	4.68 dB
	1GHz~18GHz	5.00 dB
Temperature		±1°C
Humidity		±5%
Voltage (DC)		±0.4%

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Xiamen) to collect test data is located on Unit 102, No. 902 Meifeng South Road, Binhai West Avenue Science and Technology Innovation Park, Torch High Tech Zone Xiamen, People's Republic of China.

Bay Area Compliance Laboratories Corp. (Xiamen) Lab is accredited to ISO/IEC 17025 by A2LA (Certificate Number: 7134.01) and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No. : CN1384.

SYSTEM TEST CONFIGURATION

Test Mode and Voltage

The system was configured for testing in a typical mode (as normally used by a typical user).	
Test mode:	Transmitting
Test voltage:	DC 13.8V from DC source

Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

Channel Type	Channel Number	Frequency (MHz)	Channel Type	Channel Number	Frequency (MHz)
462 MHz Main Channels	1	462.5500	467 MHz Main Channels	1	467.5500
	2	462.5750		2	467.5750
	3	462.6000		3	467.6000
	4	462.6250		4	467.6250
	5	462.6500		5	467.6500
	6	462.6750		6	467.6750
	7	462.7000		7	467.7000
	8	462.7250		8	467.7250
462 MHz Interstitial Channels	1	462.5625	/	/	/
	2	462.5875		/	/
	3	462.6125		/	/
	4	462.6375		/	/
	5	462.6625		/	/
	6	462.6875		/	/
	7	462.7125		/	/
Per C63.26-2015, section 5.1, the above frequencies in bold were performed the test.					

★The voltage range below was declared by manufacturer.

EUT Operation Voltage(DC/V):					
Lowest:	11.6	Normal:	13.8	Highest:	14.4

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

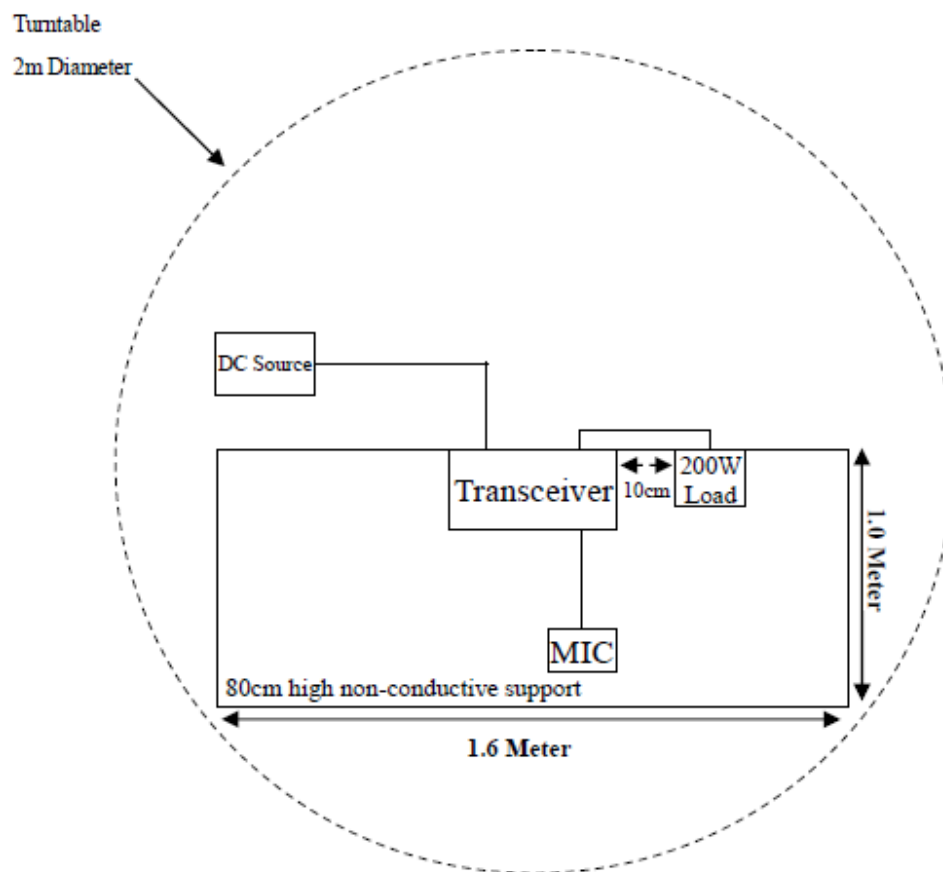
Manufacturer	Description	Model	Serial Number
MAISHENG	DC Source	MS-606DS	1027453694
Unknown	200W load	C10526-10	129975

External I/O Cable

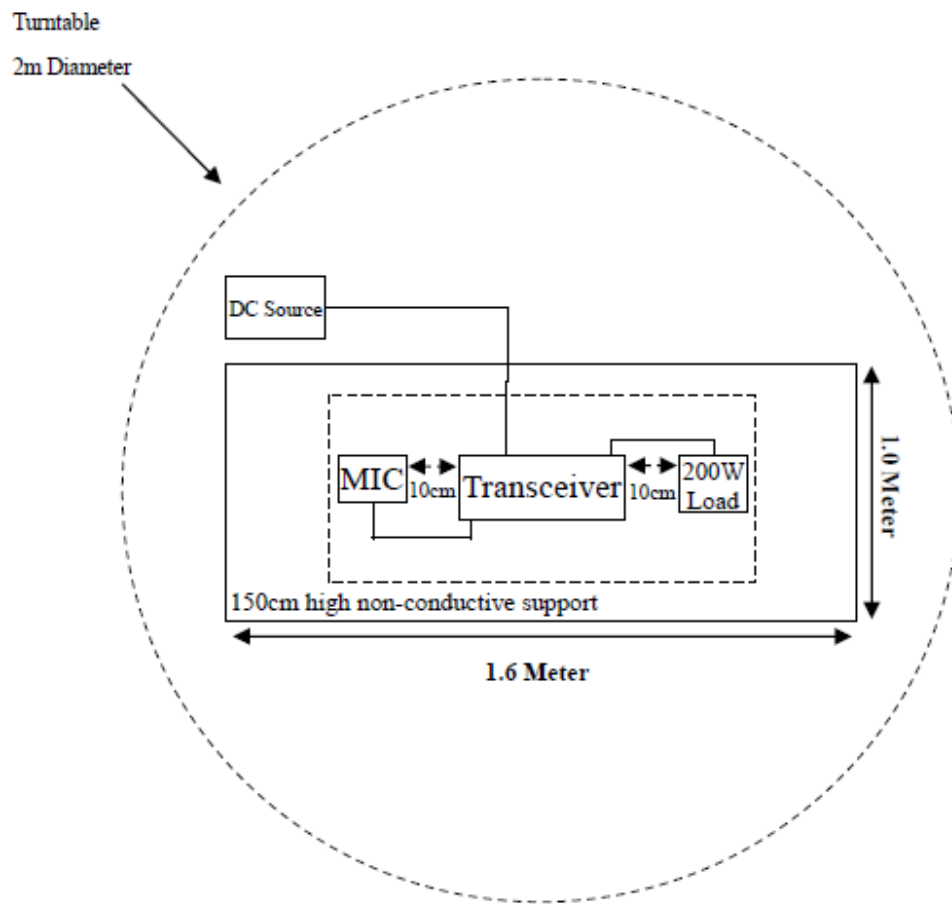
Cable Description	Length(m)	From Port	To
Coaxial Cable	0.3	EUT	200W load
DC Power Cable	3.0	DC Source	EUT

Block Diagram of Test Setup

For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results	Remark
§2.1055(d), §95.1765	GMRS Frequency Accuracy	-	See note 1
§2.1046, §95.1767	RF Output Power	Reporting only	See note 2
§95.1771	GMRS emission types	-	See note 1
§2.1049, §95.1773, §95.1779	GMRS Authorized Bandwidth and Emission Mask	-	See note 1
§2.1047, §95.1775	GMRS modulation requirements	-	See note 1
§2.1051, §95.1779	GMRS unwanted emissions limits- Spurious emissions at antenna terminals	Compliant	-
§2.1053, §95.1779	GMRS unwanted emissions limits- Radiated Spurious emissions	Compliant	-

Note:

1. The test data please refer to report 2502R04460E-RF-00A.
2. The RF output power was spot checked and it's consistently with the original report.

TEST EQUIPMENT LIST

Test Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emissions					
Hybrid Antenna	Sunol Sciences	JB6	A122022-5	2023/07/27	2026/07/26
Amplifier	Sonoma	310B	120903	2026/01/22	2027/01/21
EMI Test Receiver	Rohde & Schwarz	ESR	103103	2026/01/21	2027/01/20
Coaxial Cable	XINHANGWEIBO	XH400T-N-4M	CC002	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-2M	CC006	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH460B-N-12M	CC007	2026/01/20	2027/01/19
Spectrum Analyzer	Rohde & Schwarz	FSU	100405	2026/01/21	2027/01/20
Horn Antenna	EMCO	3115	9002-3355	2024/11/19	2027/11/18
Preamplifier	GLOBAL	1313-A100M18G	4121301	2026/01/14	2027/01/13
Coaxial Cable	XINHANGWEIBO	XH800A-N-6M	CC003	2026/01/20	2027/01/19
Coaxial Cable	XINHANGWEIBO	XH800A-N-1M	CC005	2026/01/20	2027/01/19
Dipole Antenna	COM-POWER	3121C	9209-860	N/A	N/A
Double Ridge Guide Horn Antenna	A.H.Systems	SAS-571	1980	2023/07/28	2026/07/27
Microwave Analog Signal Generator	Agilent	N5181A	MY48180319	2026/01/21	2027/01/20
Band Elimination Filter	HX Microwave	HXLBQ- DZA266LC	24031602-2	2026/01/22	2027/01/21
RF Conducted Test					
Spectrum Analyzer	Rohde & Schwarz	FSU 26	200199	2026/01/21	2027/01/20
Coaxial Cable	WEIHE	WH316	RFCC002	Each time	Each time
Attenuator	Electronic Corporation	300-WA-FFN-30	1172435	2026/01/22	2027/01/21

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

FCC §2.1046, §95.1767 –RF OUTPUT POWER

Applicable Standard

FCC §95.1767

This section contains transmitting power limits for GMRS stations. The maximum transmitting power depends on which channels are being used and the type of station.

(a) 462/467 MHz main channels. The limits in this paragraph apply to stations transmitting on any of the 462 MHz main channels or any of the 467 MHz main channels. Each GMRS transmitter type must be capable of operating within the allowable power range. GMRS licensees are responsible for ensuring that their GMRS stations operate in compliance with these limits.

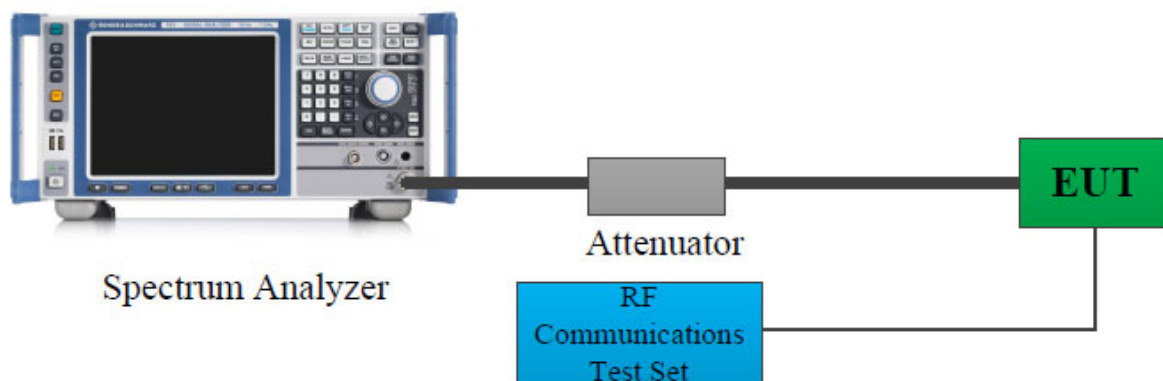
(1) The transmitter output power of mobile, repeater and base stations must not exceed 50 Watts.

(2) The transmitter output power of fixed stations must not exceed 15 Watts.

(b) 462 MHz interstitial channels. The effective radiated power (ERP) of mobile, hand-held portable and base stations transmitting on the 462 MHz interstitial channels must not exceed 5 Watts.

(c) 467 MHz interstitial channels. The effective radiated power (ERP) of hand-held portable units transmitting on the 467 MHz interstitial channels must not exceed 0.5 Watt. Each GMRS transmitter type capable of transmitting on these channels must be designed such that the ERP does not exceed 0.5 Watt.

Test Setup Block Diagram



Note: The Insertion loss of the RF cable, Attenuators was offset into the Spectrum Analyzer.

Test Procedure

C63.26-2015, Clause 5.2.3.3

This procedure can be used to measure the peak power in either a CW-like or noise-like narrowband RF signal. The measurement instrument must have a RBW that is greater than or equal to the OBW of the signal to be measured and a $VBW \geq 3 \times RBW$.

- Set the $RBW \geq OBW$.
- Set $VBW \geq 3 \times RBW$.
- Set $span \geq 2 \times OBW$.
- Sweep time $\geq 10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})$.

- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the peak amplitude level

ERP=Conducted Output Power+ Antenna Gain (dBd)

Test Data

Test Mode:	Transmitting	Test Engineer:	Lucas Lin
Test Date:	2026-02-13	Test Result:	Pass

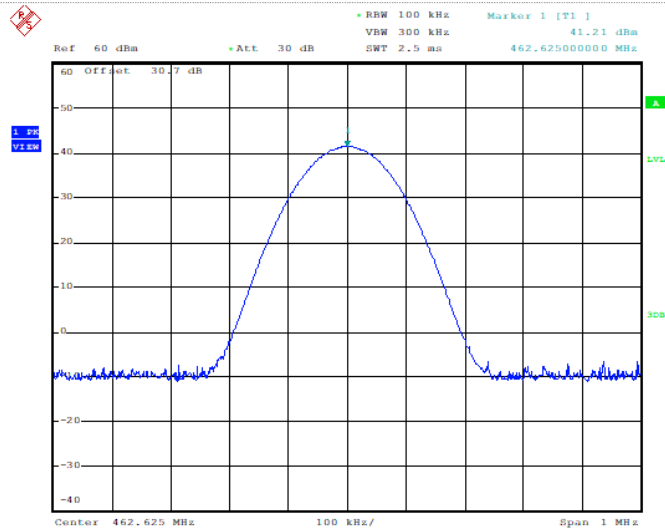
Enviroment Conditions:					
Temperature: (°C)	22.5	Relative Humidity: (%)	46	ATM Pressure: (kPa)	100.1

Please refer to below table:

Test Bands	Channel Bandwidth	Power Level	Conducted Output power (dBm)	Conducted Output Power Limit (dBm)	ERP (dBm)	ERP Limit (dBm)
462 MHz Main (462.625MHz)	12.5kHz	High	41.21	≤47.00	41.21	/
	25kHz	High	41.18	≤47.00	41.18	/
462 MHz interstitial (462.6375MHz)	12.5kHz	Low	36.74	/	36.74	≤37.00
	25kHz	Low	36.66	/	36.66	≤37.00
467 MHz Main (467.625MHz)	12.5kHz	High	41.07	≤47.00	41.07	/
	25kHz	High	41.05	≤47.00	41.05	/
ERP=Conducted Output Power+ Antenna Gain(dBd)						

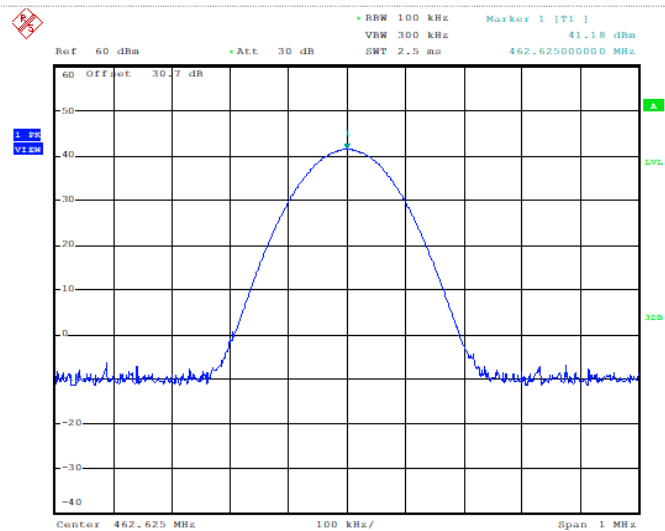
Note: After retesting, the output power remains consistent with that in the original report.

462.6250 MHz - 12.5kHz High Power



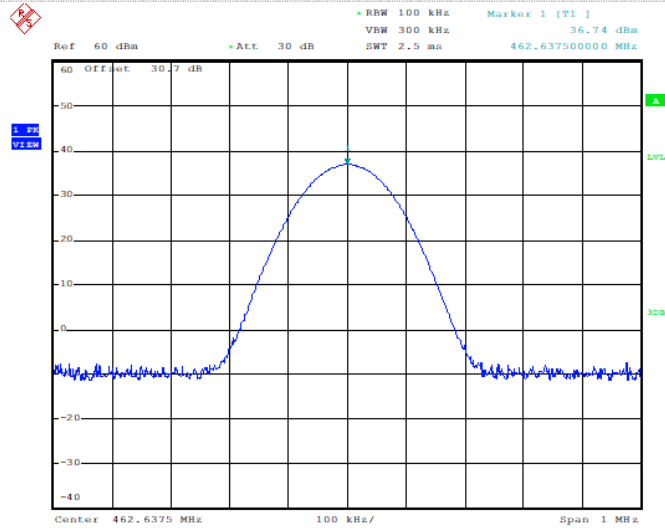
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Date: 13.FEB.2026 11:02:15

462.6250 MHz - 25kHz High Power



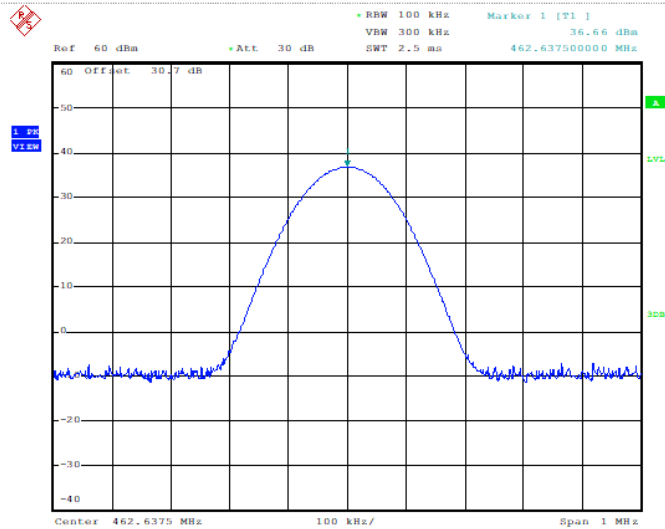
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462.6375 MHz - 12.5kHz Low Power



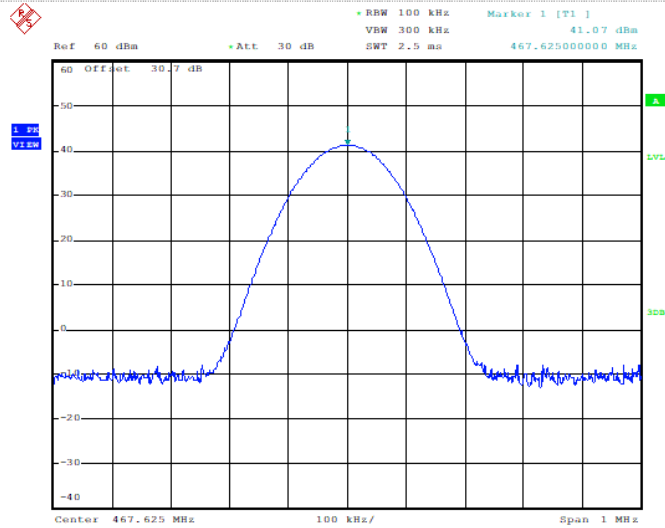
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462.6375 MHz - 25kHz Low Power



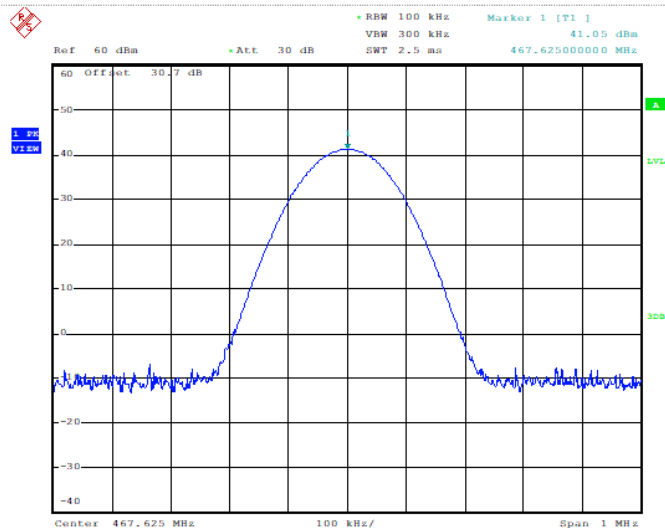
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467.6250 MHz - 12.5kHz High Power



Project No.: 2607P33479E-RF-A1 Tester: Lucas Lin
Date: 12.FEB.2026 11:05:57

467.6250 MHz - 25kHz High Power



Project No.: 2607P33479E-RF-A1 Tester: Lucas Lin
Date: 12.FEB.2026 11:05:24

FCC § 2.1051,§95.1779–ANTENNA PORT UNWANTED EMISSIONS

Applicable Standard

FCC §95.1779

Each GMRS transmitter type must be designed to comply with the applicable unwanted emissions limits in this section.

(a) Emission masks. Emission masks applicable to transmitting equipment in the GMRS are defined by the requirements in the following table. The numbers in the attenuation requirements column refer to rule paragraph numbers under paragraph (b) of this section.

Emission types filter	Attenuation requirements
A1D, A3E, F1D, G1D, F2D, F3E, G3E with audio filter	(1), (2), (7)
A1D, A3E, F1D, G1D, F3E, G3E without audio filter	(3), (4), (7)
H1D, J1D, R1D, H3E, J3E, R2E	(5), (6), (7)

(1) Filtering noted for GMRS transmitters refers to the requirement in §95.1775(e).

(2) Unwanted emission power may be measured as either mean power or peak envelope power, provided that the transmitter output power is measured the same way.

(b) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) by at least:

(1) 25 dB (decibels) on any frequency removed from the center of the authorized bandwidth by more than 50% up to and including 100% of the authorized bandwidth.

(2) 35 dB on any frequency removed from the center of the authorized bandwidth by more than 100% up to and including 250% of the authorized bandwidth.

(3) $83 \log (f_d \div 5)$ dB on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5 kHz up to and including 10 kHz.

(4) $116 \log (f_d \div 6.1)$ dB or $50 + 10 \log (P)$ dB, whichever is the lesser attenuation, on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz), of more than 10 kHz up to and including 250% of the authorized bandwidth.

(5) 25 dB on any frequency removed from the center of the authorized bandwidth by more than 50% up to and including 150% of the authorized bandwidth.

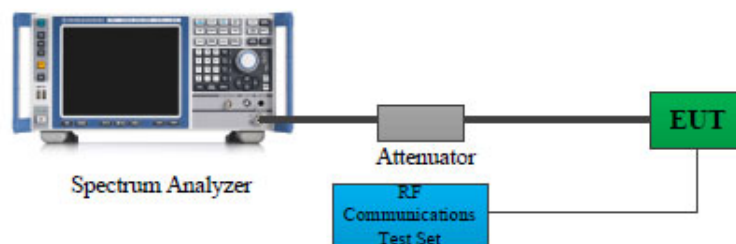
(6) 35 dB on any frequency removed from the center of the authorized bandwidth by more than 150% up to and including 250% of the authorized bandwidth.

(7) $43 + 10 \log (P)$ dB on any frequency removed from the center of the authorized bandwidth by more than 250%.

(c) Measurement bandwidths. The power of unwanted emissions in the frequency bands specified in paragraphs (b)(1) through(4) of this section is measured with a reference bandwidth of 300 Hz. The power of unwanted emissions in the frequency range specified in paragraph (b)(5) of this section is measured with a reference bandwidth of at least 30 kHz.

(d) Measurement conditions. The requirements in this section apply to each GMRS transmitter type both with and without the connection of permitted attachments, such as an external speaker, microphone, power cord and/or antenna.

EUT Setup Block Diagram



Test Procedure

C63.26-2015, Clause 5.7.3 Out-of-band unwanted emissions measurements

See Annex I for example emission mask plots.

C63.26-2015, Clause 5.7.4 Spurious unwanted emission measurements

a) Set the spectrum analyzer start frequency to the lowest frequency generated by the EUT, without going below 9 kHz, and the stop frequency to the lower frequency covered by the measurements previously performed in 5.7.3. As an alternative, the stop frequency can be set to the value specified in 5.1.1, depending on the EUT operating range, if the resulting plot can clearly demonstrate compliance for all frequencies not addressed by the out-of-band emissions measurements performed as per 5.7.3.

b) When using an average power (rms) detector, ensure that the number of points in the sweep $\geq 2 \times$ (span/ RBW). This may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the spectrum analyzer capabilities. This requirement does not apply to peakdetected power measurements. When average power is specified by the applicable regulation, a peakdetector can be utilized for preliminary measurements to accommodate wider frequency spans. Any emissions found in the preliminary measurement to exceed the applicable limit(s) shall be further examined using a power averaging (rms) detector with the minimum number of measurement points as defined above.

c) The sweep time should be set to auto-couple for performing peak-detector measurements. For measurements that use a power averaging (rms) detector, the sweep time shall be set as described for outof-band emissions measurements in item d) of 5.7.3.

d) Identify and measure the highest spurious emission levels in each frequency range. It is not necessary to re-measure the out-of-band emissions as a part of this test. Record the frequencies and amplitudes corresponding to the measured emissions and capture the data plots.

e) Repeat step b) through step d) for the upper spurious emission frequency range if not already captured by a wide span measurement performed as per the alternative provided in step a). The upper frequency for this measurement is defined in 5.1.1 as a function of the EUT operating range.

f) Compare the results with the corresponding limit in the applicable regulation.

g) The test report shall include the data plots of the measuring instrument display and the measured data.

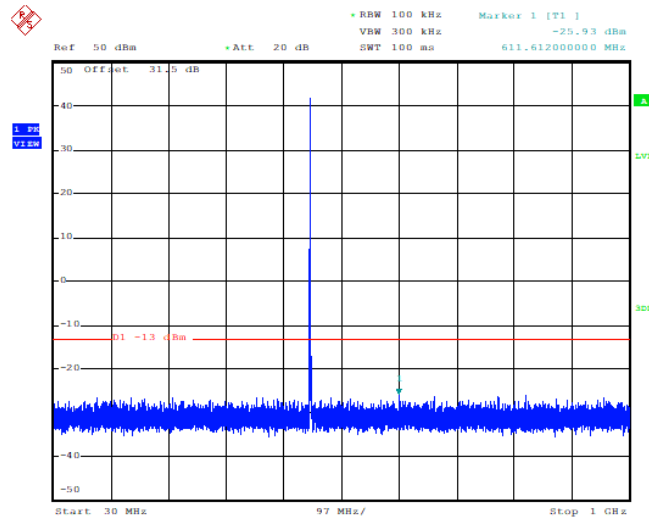
Test Data

Test Mode:	Transmitting	Test Engineer:	Lucas Lin
Test Date:	2026-02-13	Test Result:	Pass

Enviroment Conditions:					
Temperature: (°C)	22.5	Relative Humidity: (%)	46	ATM Pressure: (kPa)	100.1

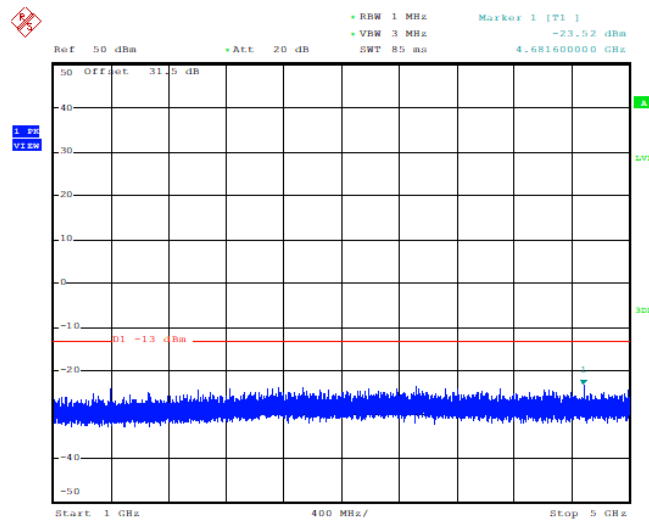
Please refer to below plot

462.6250 MHz_12.5kHz High Power_30MHz~1GHz



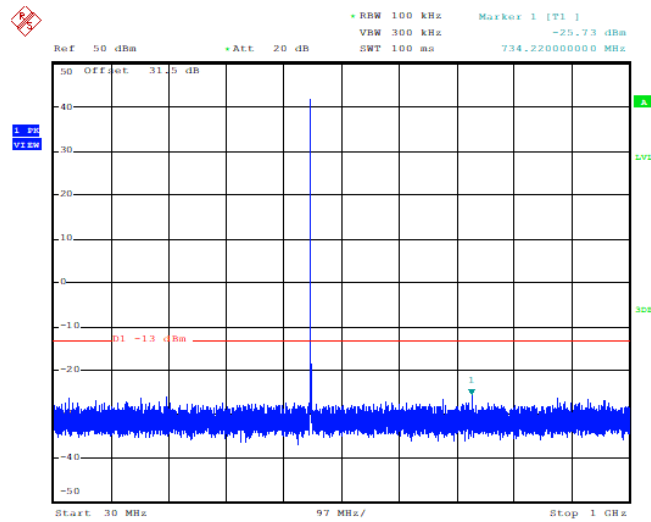
Project No.:2607P33479E-RF-A1 Tester:Lucas Lin
Date: 13.FEB.2026 13:17:17

462.6250 MHz_12.5kHz High Power_1GHz~5GHz



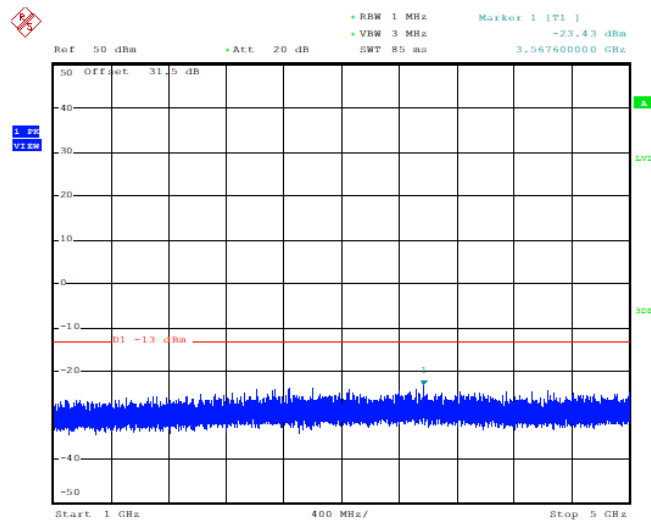
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462.6250 MHz_25kHz High Power_30MHz~1GHz



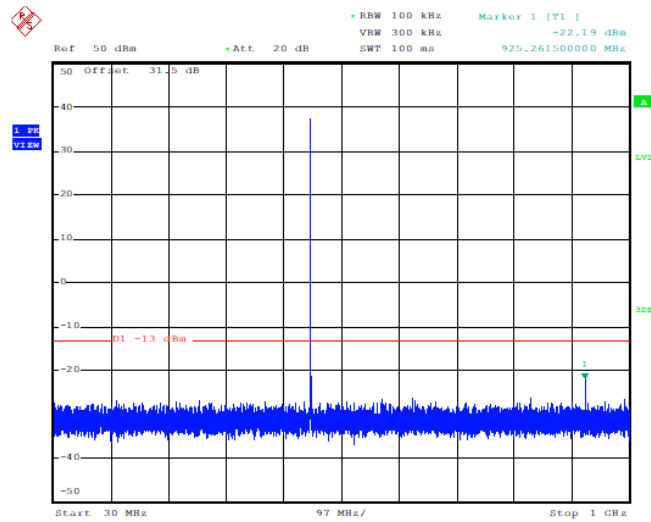
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462.6250 MHz_25kHz High Power_1GHz~5GHz



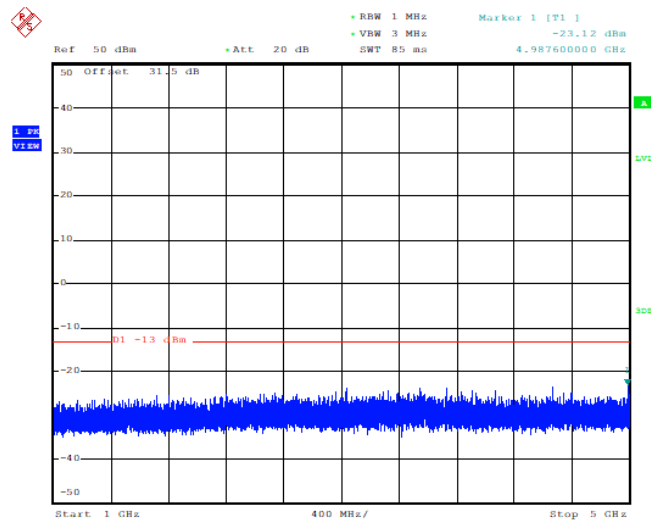
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Date: 13.FEB.2026 13:29:20

462.6375 MHz_12.5kHz Low Power_30MHz~1GHz



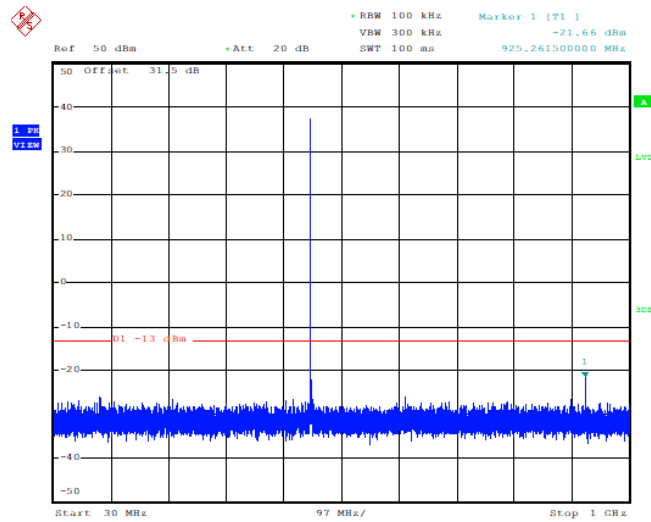
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462.6375 MHz_12.5kHz Low Power_1GHz~5GHz



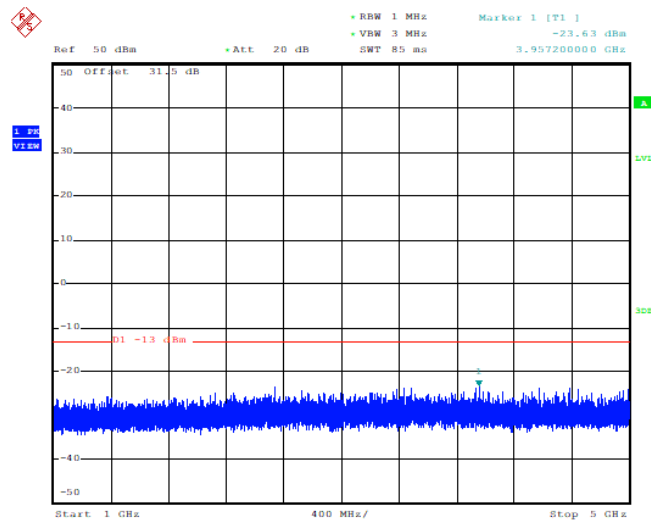
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462.6375 MHz_25kHz Low Power_30MHz~1GHz



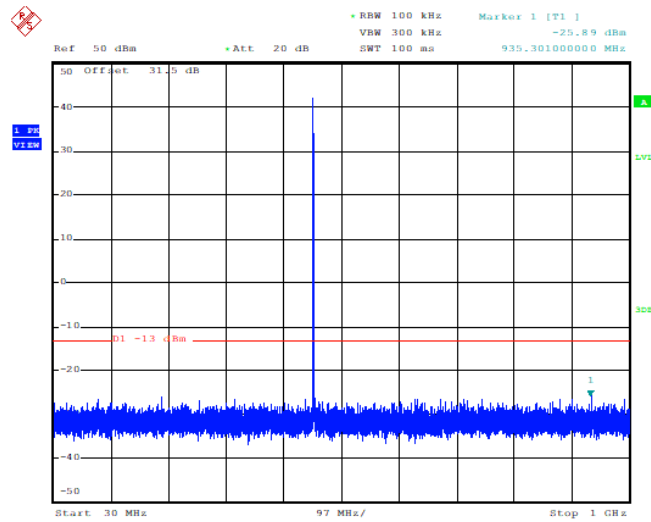
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462.6375 MHz_25kHz Low Power_1GHz~5GHz



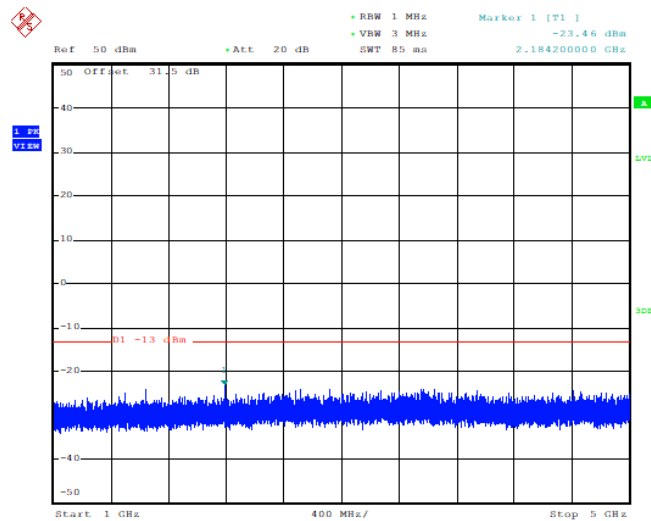
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467.6250 MHz_12.5kHz High Power_30MHz~1GHz



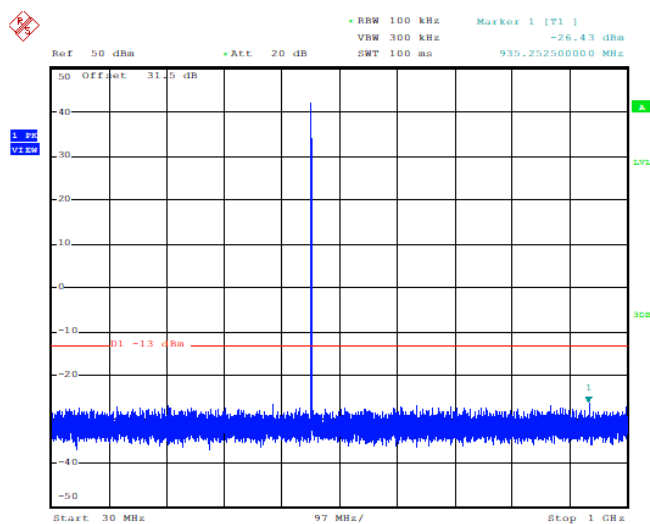
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467.6250 MHz_12.5kHz High Power_1GHz~5GHz



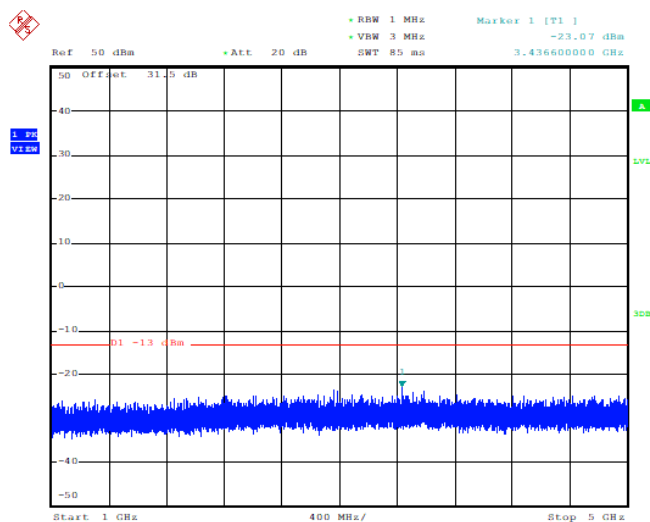
Project No.:2607P33479E-RF-A1 Tester:Lucas Lin
Date: 13.FEB.2026 13:28:15

467.6250 MHz_25kHz High Power_30MHz~1GHz



Project No.:2607P33479E-RF-A1 Tester:Lucas Lin
Date: 13.FEB.2026 13:26:44

467.6250 MHz_25kHz High Power_1GHz~5GHz



Project No.:2607P33479E-RF-A1 Tester:Lucas Lin
Date: 13.FEB.2026 13:27:49

FCC §2.1053, §95.1779 –RADIATED UNWANTED EMISSIONS

Applicable Standard

FCC §95.1779

Each GMRS transmitter type must be designed to comply with the applicable unwanted emissions limits in this section.

(a) Emission masks. Emission masks applicable to transmitting equipment in the GMRS are defined by the requirements in the following table. The numbers in the attenuation requirements column refer to rule paragraph numbers under paragraph (b) of this section.

Emission types filter	Attenuation requirements
A1D, A3E, F1D, G1D, F2D, F3E, G3E with audio filter	(1), (2), (7)
A1D, A3E, F1D, G1D, F3E, G3E without audio filter	(3), (4), (7)
H1D, J1D, R1D, H3E, J3E, R2E	(5), (6), (7)

(1) Filtering noted for GMRS transmitters refers to the requirement in §95.1775(e).

(2) Unwanted emission power may be measured as either mean power or peak envelope power, provided that the transmitter output power is measured the same way.

(b) Attenuation requirements. The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) by at least:

(1) 25 dB (decibels) on any frequency removed from the center of the authorized bandwidth by more than 50% up to and including 100% of the authorized bandwidth.

(2) 35 dB on any frequency removed from the center of the authorized bandwidth by more than 100% up to and including 250% of the authorized bandwidth.

(3) $83 \log (f_d \div 5)$ dB on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz) of more than 5 kHz up to and including 10 kHz.

(4) $116 \log (f_d \div 6.1)$ dB or $50 + 10 \log (P)$ dB, whichever is the lesser attenuation, on any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in kHz), of more than 10 kHz up to and including 250% of the authorized bandwidth.

(5) 25 dB on any frequency removed from the center of the authorized bandwidth by more than 50% up to and including 150% of the authorized bandwidth.

(6) 35 dB on any frequency removed from the center of the authorized bandwidth by more than 150% up to and including 250% of the authorized bandwidth.

(7) $43 + 10 \log (P)$ dB on any frequency removed from the center of the authorized bandwidth by more than 250%.

(c) Measurement bandwidths. The power of unwanted emissions in the frequency bands specified in paragraphs (b)(1) through(4) of this section is measured with a reference bandwidth of 300 Hz. The power of unwanted emissions in the frequency range specified in paragraph (b)(5) of this section is measured with a reference bandwidth of at least 30 kHz.

(d) Measurement conditions. The requirements in this section apply to each GMRS transmitter type both with and without the connection of permitted attachments, such as an external speaker, microphone, power cord and/or antenna.

EUT Setup Block Diagram

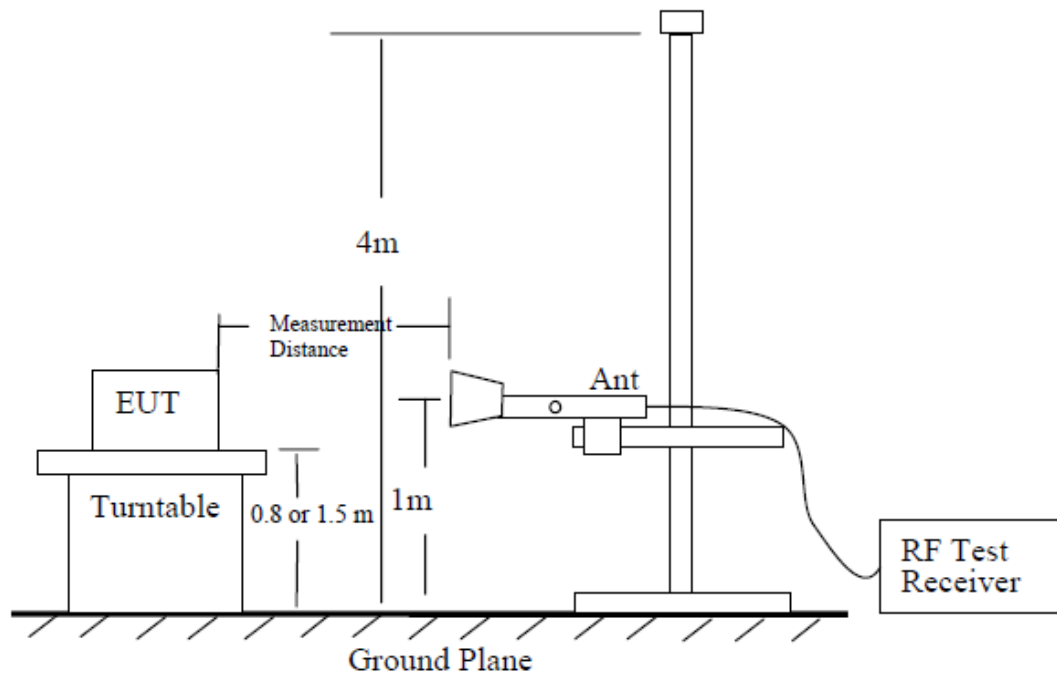


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

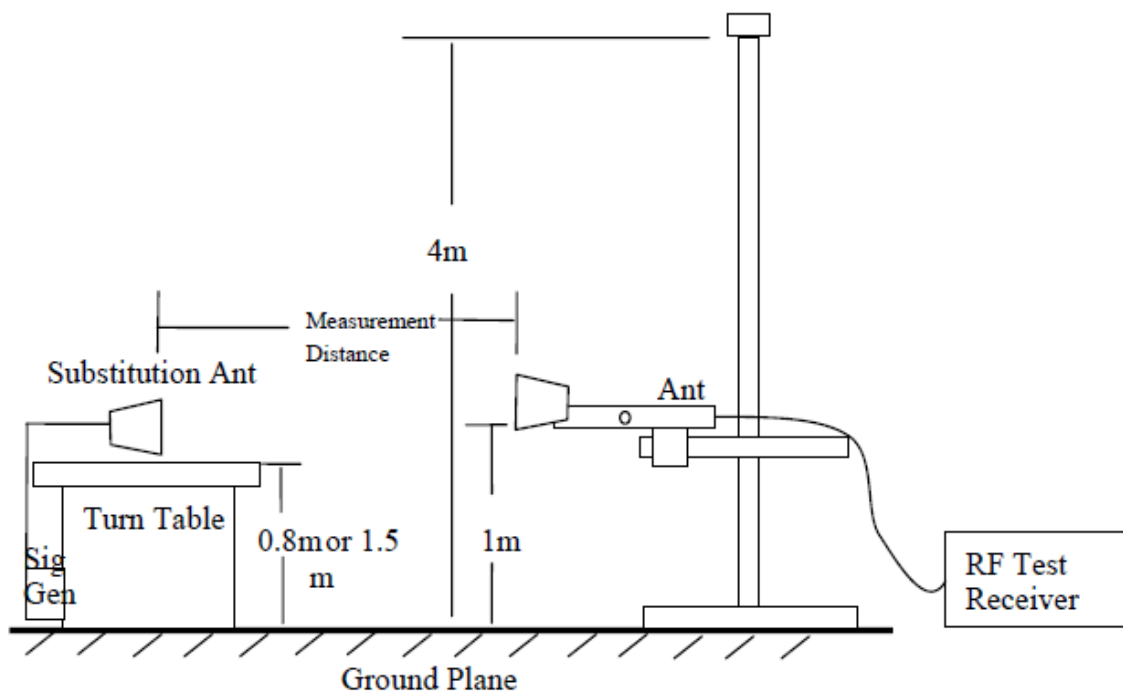


Figure 7—Substitution method set-up for radiated emission

Test Procedure:

ANSI C63.26-2015 Section 5.5.3

- a) Place the EUT in the center of the turntable. The EUT shall be configured to transmit into the standard non-radiating load (for measuring radiated spurious emissions), connected with cables of minimal length unless specified otherwise. If the EUT uses an adjustable antenna, the antenna shall be positioned to the length that produces the worst case emission at the fundamental operating frequency.
- b) Each emission under consideration shall be evaluated:
 - 1) Raise and lower the measurement antenna in accordance 5.5.2, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
 - 2) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
 - 3) Return the turntable to the azimuth where the highest emission amplitude level was observed.
 - 4) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
 - 5) Record the measured emission amplitude level and frequency using the appropriate RBW.
- c) Repeat step b) for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
- d) Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
- e) Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
- f) Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
- g) For each emission that was detected and measured in the initial test [i.e., in step b) and step c)]:
 - 1) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
 - 2) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step b) and step c).
 - 3) Record the output power level of the signal generator when equivalence is achieved in step 2).
- h) Repeat step e) through step g) with the measurement antenna oriented in the opposite polarization.
- i) Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:

$$P_e = P_s(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

where

P_e = equivalent emission power in dBm

P_s = source (signal generator) power in dBm

NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.

- j) Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from: $\text{gain (dBd)} = \text{gain (dBi)} - 2.15 \text{ dB}$. If necessary, the antenna gain can be calculated from calibrated antenna factor information
- k) Provide the complete measurement results as a part of the test report.

Test Data

Test Mode:	Transmitting	Test Engineer:	Apollo Luo
Test Date:	2026-02-12~2026-03-05	Test Result:	Pass

Environment Conditions:

Temperature: (°C)	21.1~21.8	Relative Humidity: (%)	49~53	ATM Pressure: (kPa)	100.1
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Note:

1. 462 MHz main and 467 MHz main only high power level was tested, 462 MHz interstitial only low power level was tested.

Please refer to below tables.

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
High Power Level, 12.5kHz, 462.625MHz								
925.25	H	72.22	-16.84	0.00	0.42	-17.26	-13.00	4.26
925.25	V	67.23	-21.65	0.00	0.42	-22.07	-13.00	9.07
1387.88	H	84.56	-31.27	7.65	1.52	-25.14	-13.00	12.14
1387.88	V	77.69	-38.61	7.65	1.52	-32.48	-13.00	19.48
1850.50	H	73.91	-37.53	6.69	1.72	-32.56	-13.00	19.56
1850.50	V	73.52	-38.20	6.69	1.72	-33.23	-13.00	20.23
2313.13	H	64.75	-42.87	3.75	1.91	-41.03	-13.00	28.03
2313.13	V	66.37	-41.55	3.75	1.91	-39.71	-13.00	26.71
2775.75	H	64.85	-40.80	3.85	2.09	-39.04	-13.00	26.04
2775.75	V	64.88	-41.04	3.85	2.09	-39.28	-13.00	26.28
3238.38	H	65.66	-39.42	4.09	2.26	-37.59	-13.00	24.59
3238.38	V	64.84	-40.67	4.09	2.26	-38.84	-13.00	25.84
3701.00	H	63.66	-41.32	6.00	2.39	-37.71	-13.00	24.71
3701.00	V	64.62	-40.64	6.00	2.39	-37.03	-13.00	24.03
4163.63	H	63.61	-41.35	7.88	2.51	-35.98	-13.00	22.98
4163.63	V	65.01	-39.72	7.88	2.51	-34.35	-13.00	21.35
4626.25	H	66.55	-38.95	10.61	2.65	-30.99	-13.00	17.99
4626.25	V	65.49	-40.12	10.61	2.65	-32.16	-13.00	19.16

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Low Power Level, 12.5kHz, 462.6375MHz								
925.28	H	73.50	-15.57	0.00	0.42	-15.99	-13.00	2.99
925.28	V	67.12	-21.76	0.00	0.42	-22.18	-13.00	9.18
1387.91	H	76.66	-39.17	7.65	1.52	-33.04	-13.00	20.04
1387.91	V	70.99	-45.31	7.65	1.52	-39.18	-13.00	26.18
1850.55	H	64.70	-46.74	6.69	1.72	-41.77	-13.00	28.77
1850.55	V	64.77	-46.95	6.69	1.72	-41.98	-13.00	28.98
2313.19	H	64.82	-42.80	3.75	1.91	-40.96	-13.00	27.96
2313.19	V	65.52	-42.40	3.75	1.91	-40.56	-13.00	27.56
2775.83	H	64.66	-40.99	3.85	2.09	-39.23	-13.00	26.23
2775.83	V	63.57	-42.35	3.85	2.09	-40.59	-13.00	27.59
3238.46	H	64.62	-40.46	4.09	2.26	-38.63	-13.00	25.63
3238.46	V	64.41	-41.10	4.09	2.26	-39.27	-13.00	26.27
3701.10	H	62.97	-42.01	6.00	2.39	-38.40	-13.00	25.40
3701.10	V	62.79	-42.46	6.00	2.39	-38.85	-13.00	25.85
4163.74	H	65.76	-39.20	7.88	2.51	-33.83	-13.00	20.83
4163.74	V	63.65	-41.08	7.88	2.51	-35.71	-13.00	22.71
4626.38	H	64.89	-40.61	10.61	2.65	-32.65	-13.00	19.65
4626.38	V	64.40	-41.21	10.61	2.65	-33.25	-13.00	20.25

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
High Power Level, 12.5kHz, 467.625MHz								
935.25	H	71.30	-18.19	0.00	0.42	-18.61	-13.00	5.61
935.25	V	70.25	-19.06	0.00	0.42	-19.48	-13.00	6.48
1402.88	H	80.88	-34.94	7.71	1.53	-28.76	-13.00	15.76
1402.88	V	74.42	-41.87	7.71	1.53	-35.69	-13.00	22.69
1870.50	H	72.78	-38.42	6.17	1.73	-33.98	-13.00	20.98
1870.50	V	72.74	-38.72	6.17	1.73	-34.28	-13.00	21.28
2338.13	H	64.00	-43.46	3.65	1.92	-41.73	-13.00	28.73
2338.13	V	64.26	-43.51	3.65	1.92	-41.78	-13.00	28.78
2805.75	H	63.14	-42.42	3.90	2.10	-40.62	-13.00	27.62
2805.75	V	63.39	-42.44	3.90	2.10	-40.64	-13.00	27.64
3273.38	H	65.63	-39.46	4.58	2.27	-37.15	-13.00	24.15
3273.38	V	64.69	-40.86	4.58	2.27	-38.55	-13.00	25.55
3741.00	H	64.46	-40.49	5.92	2.40	-36.97	-13.00	23.97
3741.00	V	62.61	-42.53	5.92	2.40	-39.01	-13.00	26.01
4208.63	H	63.50	-41.52	8.12	2.53	-35.93	-13.00	22.93
4208.63	V	64.34	-40.49	8.12	2.53	-34.90	-13.00	21.90
4676.25	H	64.33	-41.19	11.01	2.66	-32.84	-13.00	19.84
4676.25	V	64.06	-41.63	11.01	2.66	-33.28	-13.00	20.28

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
High Power Level, 25kHz, 462.625MHz								
925.25	H	74.07	-14.99	0.00	0.42	-15.41	-13.00	2.41
925.25	V	68.99	-19.89	0.00	0.42	-20.31	-13.00	7.31
1387.88	H	83.81	-32.02	7.65	1.52	-25.89	-13.00	12.89
1387.88	V	76.41	-39.89	7.65	1.52	-33.76	-13.00	20.76
1850.50	H	73.25	-38.19	6.69	1.72	-33.22	-13.00	20.22
1850.50	V	73.63	-38.09	6.69	1.72	-33.12	-13.00	20.12
2313.13	H	64.84	-42.78	3.75	1.91	-40.94	-13.00	27.94
2313.13	V	65.81	-42.11	3.75	1.91	-40.27	-13.00	27.27
2775.75	H	63.95	-41.70	3.85	2.09	-39.94	-13.00	26.94
2775.75	V	64.03	-41.89	3.85	2.09	-40.13	-13.00	27.13
3238.38	H	66.24	-38.84	4.09	2.26	-37.01	-13.00	24.01
3238.38	V	65.44	-40.07	4.09	2.26	-38.24	-13.00	25.24
3701.00	H	64.09	-40.89	6.00	2.39	-37.28	-13.00	24.28
3701.00	V	64.20	-41.06	6.00	2.39	-37.45	-13.00	24.45
4163.63	H	63.48	-41.48	7.88	2.51	-36.11	-13.00	23.11
4163.63	V	62.58	-42.15	7.88	2.51	-36.78	-13.00	23.78
4626.25	H	65.47	-40.03	10.61	2.65	-32.07	-13.00	19.07
4626.25	V	66.29	-39.32	10.61	2.65	-31.36	-13.00	18.36

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Low Power Level, 25kHz, 462.6375MHz								
925.28	H	71.75	-17.32	0.00	0.42	-17.74	-13.00	4.74
925.28	V	68.43	-20.45	0.00	0.42	-20.87	-13.00	7.87
1387.91	H	76.44	-39.39	7.65	1.52	-33.26	-13.00	20.26
1387.91	V	69.98	-46.32	7.65	1.52	-40.19	-13.00	27.19
1850.55	H	66.24	-45.20	6.69	1.72	-40.23	-13.00	27.23
1850.55	V	66.12	-45.60	6.69	1.72	-40.63	-13.00	27.63
2313.19	H	64.80	-42.82	3.75	1.91	-40.98	-13.00	27.98
2313.19	V	64.24	-43.68	3.75	1.91	-41.84	-13.00	28.84
2775.83	H	63.33	-42.32	3.85	2.09	-40.56	-13.00	27.56
2775.83	V	65.63	-40.29	3.85	2.09	-38.53	-13.00	25.53
3238.46	H	64.00	-41.08	4.09	2.26	-39.25	-13.00	26.25
3238.46	V	64.82	-40.69	4.09	2.26	-38.86	-13.00	25.86
3701.10	H	64.79	-40.19	6.00	2.39	-36.58	-13.00	23.58
3701.10	V	63.98	-41.27	6.00	2.39	-37.66	-13.00	24.66
4163.74	H	63.44	-41.52	7.88	2.51	-36.15	-13.00	23.15
4163.74	V	63.57	-41.16	7.88	2.51	-35.79	-13.00	22.79
4626.38	H	64.06	-41.44	10.61	2.65	-33.48	-13.00	20.48
4626.38	V	64.64	-40.97	10.61	2.65	-33.01	-13.00	20.01

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
High Power Level, 25kHz, 467.625MHz								
935.25	H	72.61	-16.88	0.00	0.42	-17.30	-13.00	4.30
935.25	V	69.24	-20.07	0.00	0.42	-20.49	-13.00	7.49
1402.88	H	80.95	-34.87	7.71	1.53	-28.69	-13.00	15.69
1402.88	V	74.40	-41.89	7.71	1.53	-35.71	-13.00	22.71
1870.50	H	72.08	-39.12	6.17	1.73	-34.68	-13.00	21.68
1870.50	V	71.75	-39.71	6.17	1.73	-35.27	-13.00	22.27
2338.13	H	64.37	-43.09	3.65	1.92	-41.36	-13.00	28.36
2338.13	V	63.84	-43.93	3.65	1.92	-42.20	-13.00	29.20
2805.75	H	64.34	-41.22	3.90	2.10	-39.42	-13.00	26.42
2805.75	V	63.99	-41.84	3.90	2.10	-40.04	-13.00	27.04
3273.38	H	64.46	-40.63	4.58	2.27	-38.32	-13.00	25.32
3273.38	V	65.20	-40.35	4.58	2.27	-38.04	-13.00	25.04
3741.00	H	62.72	-42.23	5.92	2.40	-38.71	-13.00	25.71
3741.00	V	63.04	-42.10	5.92	2.40	-38.58	-13.00	25.58
4208.63	H	62.96	-42.06	8.12	2.53	-36.47	-13.00	23.47
4208.63	V	64.78	-40.05	8.12	2.53	-34.46	-13.00	21.46
4676.25	H	64.58	-40.94	11.01	2.66	-32.59	-13.00	19.59
4676.25	V	63.26	-42.43	11.01	2.66	-34.08	-13.00	21.08

Note 1:

The unit of antenna gain is dBd for frequency below 1GHz and is dBi for frequency above 1GHz.

Note 2:

Absolute Level = Substituted Level - Cable loss + Antenna Gain

Margin = Limit- Absolute Level

EUT PHOTOGRAPHS

Please refer to the attachment 2607P33479E-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and 2607P33479E-RF-A1-INP EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2607P33479E-RF-A1-TSP TEST SETUP PHOTOGRAPHS.

Declarations

1. Bay Area Compliance Laboratories Corp. (Xiamen) is not responsible for authenticity of any information provided by the applicant. Information from the applicant that may affect test results are marked with an asterisk “★”.
2. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
3. Unless required by the rule provided by the applicant or product regulations, then decision rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95% confidence interval.
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