FCC Test Report

Report No.: AGC00319251204FR01

FCC ID	:	2ASNS25RT
APPLICATION PURPOSE	:	Original Equipment
PRODUCT DESIGNATION	:	Two Way Radio
BRAND NAME	:	RETEVIS
MODEL NAME	:	RT29S
APPLICANT	:	Shenzhen Retevis Technology Co., Ltd.
DATE OF ISSUE	:	Jan. 13, 2026
STANDARD(S)	:	FCC Part 95 Subpart E
REPORT VERSION	:	V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jan. 13, 2026	Valid	Initial Release

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1. General Information

Applicant	Shenzhen Retevis Technology Co., Ltd.
Address	7/F, 13-C, Zhonghaixin Science &Technology Park, No.12 Ganli 6th Road, Jihua Street, Longgang District, Shenzhen, China
Manufacturer	Shenzhen Retevis Technology Co., Ltd.
Address	7/F, 13-C, Zhonghaixin Science &Technology Park, No.12 Ganli 6th Road, Jihua Street, Longgang District, Shenzhen, China
Factory	N/A
Address	N/A
Product Designation	Two Way Radio
Brand Name	RETEVIS
Test Model	RT29S
Series Model(s)	N/A
Difference Description	N/A
Date of receipt of test item	Dec. 22, 2025
Date of Test	Dec. 22, 2025~Jan. 05, 2026
Deviation from Standard	No any deviation from the test method
Condition of Test Sample	Normal
Test Result	Pass
Test Report Form No	AGCER-FCC-GMRS-V1

Note: The test results of this report relate only to the tested sample identified in this report.

Prepared By	Bibo Zhang (Project Engineer)	Jan. 13, 2026
Reviewed By	Jack Gui (Reviewer)	Jan. 13, 2026
Approved By	Angela Li (Authorized Officer)	Jan. 13, 2026

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2. Product Information

2.1 Product Technical Description

Communication Type	Voice/Tone only
Operation Frequency Range	☒462.5500-462.7250MHz (GMRS 462MHz Main channels)
	☒462.5625-462.7125MHz (GMRS 462MHz Interstitial channels)
	☒467.5500-467.7250MHz (GMRS 467MHz Main channels)
	☒467.5625-467.7125MHz (GMRS 467MHz Interstitial channels)
Hardware Version	V1.4
Software Version	v1.1.1.0
Modulation Type	FM
Channel Separation	☒12.5kHz ☒25kHz
Emission Bandwidth	10.56kHz(4W-12.5kHz),15.78kHz(4W-25kHz)
	10.55kHz(0.5W-12.5kHz),15.77kHz(0.5W-25kHz)
Number of Channels	30Channels
Rated Output Power	4W/0.5W (It was fixed by the manufacturer, any individual can't arbitrarily change it.)
Maximum Transmitter Power	35.89dBm(4W-12.5kHz), 35.82dBm(4W-25kHz)
	26.85dBm(0.5W-12.5kHz),26.81dBm(0.5W-25kHz)
Antenna Designation	Detachable Antenna
Antenna Gain	2.15dBi
Frequency Tolerance	1.097ppm
Power Supply	DC 7.4V 3200mAh by battery

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2.2 Test Frequency List

According to ANSI C63.26 section 5.1.2.1:
Measurements of transmitters shall be performed and, if required, reported for each frequency band in which the EUT can be operated with the device transmitting at the number of frequencies in each band specified in Table 2.

Frequency range Over which EUT operates	Number of Frequencies	Location in frequency range of operation
1 MHz or less	1	Middle
1 MHz to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

Channel. No	Frequency (MHz)	Rated Power	Channel. No	Frequency (MHz)	Rated Power
1	462.5625	4W/0.5W	15	462.5500	4W/0.5W
2	462.5875		16	462.5750	
3	462.6125		17	462.6000	
4	**462.6375**		18	462.6250	
5	462.6625		19	**462.6500**	
6	462.6875		20	462.6750	
7	462.7125		21	462.7000	
8	467.5625	0.5W	22	462.7250	
9	467.5875		23	467.5500	4W/0.5W
10	467.6125		24	467.5750	
11	**467.6375**		25	467.6000	
12	467.6625		26	467.6250	
13	467.6875		27	**467.6500**	
14	467.7125		28	467.6750	
			29	467.7000	
			30	467.7250	

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2.3 Related Submittal(S) / Grant (S)

This submittal(s) (test report) is intended for FCC ID: **2ASNS25RT,** filing to comply with Part 2, Part 95 of the Federal Communication Commission rules.

2.4 Test Methodology

The tests were performed according to following standards:

No.	Identity	Document Title
1	FCC 47 CFR Part 95	Personal Radio Services
2	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
3	ANSI C63.26-2015	American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services
4	ANSI/TIA-603-E-2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards
5	KDB 888861 D01	888861 D01 Part 95 GMRS FRS v01

2.5 Calculation of Emission Indicators

FCC Rules and Regulations Part 2.202: Necessary Bandwidth and Emission Bandwidth

For FM Mode (Channel Spacing: 12.5kHz)
Emission Designator 11K0F3E
In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation.
BW = 2(M+D) = 2*(3.0 kHz + 2.5 kHz) = 11 kHz = 11K0
F3E portion of the designator represents an FM voice transmission.
Therefore, the entire designator for 12.5 kHz channel spacing FM mode is 11K0F3E.

For FM Mode (Channel Spacing: 25kHz)
Emission Designator 16K0F3E
In this case, the maximum modulating frequency is 3.0 kHz with a 5.0 kHz deviation.
BW = 2(M+D) = 2*(3.0 kHz + 5.0 kHz) = 16 kHz = 16K0
F3E portion of the designator represents an FM voice transmission.
Therefore, the entire designator for 25 kHz channel spacing FM mode is 16K0F3E.

2.6 Special Accessories

Not available for this EUT intended for grant.

2.7 Equipment Modifications

Not available for this EUT intended for grant.

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2.8 Antenna Requirement

Excerpt from §95.1787 of the FCC Rules/Regulations:

The antenna of each GMRS Transmitter type must meet the following requirements.
(1) The antenna must be a non-removable integral part of the GMRS unit.
(2) Digital data transmissions may contain location information, or requesting location information from one or more other GMRS or FRS units, or containing a brief text message to another specific GMRS or FRS unit. Digital data transmissions may be initiated by a manual action of the operator or on an automatic or periodic basis, and a GMRS unit receiving an interrogation request may automatically respond with its location.
(3) GMRS units must not be capable of transmitting digital data on the 467 MHz main channels.
(4) Digital data transmissions must not exceed one second in duration.

User	Applicable Conditions
☒	This GMRS device does not support digital transmission
☐	The antenna of this device is permanently attached.
☒	Configuration with external detachable antenna
☐	This GMRS device has a fixed antenna port
Conclusion: The unit complies with the requirement of §95.1787.	

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3. Test Environment

3.1 Address of The Test Laboratory

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L5488

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to follow CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories.)

A2LA-Lab Cert. No.: 5054.02

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to follow ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 975832

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

IC-Registration No.: 24842(CAB identifier: CN0063)

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.

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3.3 Environmental Conditions

	Normal Conditions	Extreme Conditions
Temperature range (℃)	15 - 35	-30 - 50
Relative humidty range	20 % - 75 %	20 % - 75 %
Pressure range (kPa)	86 - 106	86 - 106
Power supply	DC 7.4V	LV DC 6.29V/HV DC 8.51V
Note: The Extreme Temperature and Extreme Voltages declared by the manufacturer.		

3.4 Measurement Uncertainty

The reported uncertainty of measurement y ±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Test Items	Measurement Uncertainty
Frequency stability	±0.5%
Transmitter power conducted	±0.8dB
Transmitter power Radiated	±1.3dB
Conducted spurious emission 9kHz-40 GHz	±2.7dB
Conducted Emission	±3.2 dB
Radiated Emission below 1GHz	±3.9 dB
Radiated Emission above 1GHz	±4.8 dB
Occupied Channel Bandwidth	±2 %
FM deviation	±2 %
Audio level	±0.98dB
Low Pass Filter Response	±0.65dB
Modulation Limiting	0.42 %
Transient Frequency Behavior	6.8 %

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3.5 List of Equipment Used

● RF Conducted Test System							
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
☒	AGC-ER-E086	Spectrum Analyzer	KEYSIGHT	N9020A	MY53300860	2025-05-08	2026-05-07
☒	AGC-EM-E002	Wireless Connectivity Tester	HP	8920B	US35010161	2025-05-08	2026-05-07
☒	AGC-ER-E075	Small Environmental Tester	SH-242	ESPEC	93008290	2024-07-24	2026-07-23
☒	AGC-EM-A007	30dB Attenuator	Weinachel	58-30-33	ML030	2025-05-31	2027-05-30
☒	--	RF Connection Cable	N/A	1#	N/A	Each time	N/A
☒	--	RF Connection Cable	N/A	2#	N/A	Each time	N/A
☒	AGC-ER-A004	Power Splitter	Agilent	11667B	N/A	2025-05-08	2027-05-07

● Radiated Spurious Emission							
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
☒	AGC-EM-E046	EMI Test Receiver	R&S	ESCI	10096	2025-01-14	2026-01-13
☒	AGC-EM-E061	Spectrum Analyzer	Agilent	N9010A	MY53470504	2025-05-08	2026-05-07
☒	AGC-EM-E001	Wideband Antenna	SCHWARZBECK	VULB9168	D69250	2025-03-14	2027-03-13
☒	AGC-EM-E005	Wideband Antenna	SCHWARZBECK	VULB9168	VULB9168-494	2025-01-15	2027-01-14
☒	AGC-EM-E029	Broadband Ridged Horn Antenna	ETS	3117	00034609	2025-03-27	2026-03-26
☒	AGC-EM-E102	Broadband Ridged Horn Antenna	ETS	3117	00154520	2025-05-18	2026-05-17
☒	AGC-EM-E146	Pre-amplifier	ETS	3117-PA	00246148	2024-07-24	2026-07-23
☐	AGC-EM-E021	Pre-amplifier	MITEQ	AM-4A-000115	1465421	2024-05-28	2026-05-27
☒	AGC-ER-E037	Signal Generator	Agilent	N5182A	MY50140530	2025-05-08	2026-05-07
☐	AGC-EM-A139	6dB Attenuator	Eeatsheep	LM-XX-6-0.5W	N/A	2025-05-16	2027-05-15
☒	AGC-EM-A088	UHF Filter	Microwave	N25155M2	498705	2025-05-21	2026-05-20

● Test Software					
Used	Equipment No.	Test Equipment	Manufacturer	Model No.	Version Information
☒	AGC-EM-S011	RSE Test System	Tonscend	TS+ Ver2.1(JS36-RSE)	4.0.0.0

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4. System Test Configuration

4.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

4.2 EUT Exercise

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

4.3 Configuration of Tested System

Fig. 2-1 Configuration of Tested System

Table 2-1 Equipment Used in Tested System

4.4 Equipment Used in Tested System

The following peripheral devices and interface cables were connected during the measurement:

☒ Test Accessories Come From The Laboratory

No.	Equipment	Manufacturer	Model No.	Specification Information	Cable
1	Adapter	Apple	A2452	USB-C/140W	1.0m unshielded

☒ Test Accessories Come From The Manufacturer

No.	Equipment	Manufacturer	Model No.	Specification Information	Cable
1	Battery	Shenzhen Retevis Technology Co., Ltd.	RT29	DC 7.4V 3200mAh	--
2	Charger	Shenzhen Retevis Technology Co., Ltd.	Ailunce CB01	Input: 5V⎓1A Output: Max 8.4V⎓Max 540mA	

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4.5 Summary of Test Results

Item	FCC Rules	Description of Test	Result
1	FCC 47 CFR PART 95	Antenna Equipment	Pass
2	§ 95.1767& 2.1046(a)	Maximum Transmitter Power	Pass
3	§95.1775& 2.1047(a) (b)	Modulation Limit	Pass
4	§95.1775& 2.1047(a)	Audio Frequency Response	Pass
4	§95.1775(e)	Audio Low Pass Filter Response	Pass
5	§95.1773	26dB Emission Bandwidth	Pass
6	§2.1049	99% Occupied Bandwidth	Pass
7	§95.1779& 2.1049	Emission Mask	Pass
8	§95.1765& 2.1055(a) (1)	Frequency Stability	Pass
9	§95.1779& 2.1051	Spurious Emission on Antenna Port	Pass
10	§95.1779& 2.1053	Spurious Radiated Emission	Pass

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5. Description of Test Modes

The EUT (**Two Way Radio**) has been tested under normal operating condition. (GMRS TX) are chosen for testing at each channel separation.

No.	Test Mode Description	Channel Separation
1	GMRS TX Channel 4	12.5 kHz/25 kHz
2	GMRS TX Channel 11	12.5 kHz
3	GMRS TX Channel 19	12.5 kHz/25 kHz
4	GMRS TX Channel 27	12.5 kHz/25 kHz

Note:

1. Only the result of the worst case was recorded in the report, if no other cases.
2. The battery is full-charged during the test.
3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
4. Manufacturers use computer PC programming software to switch and operate frequency points, refer to the instructions for details

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6. Frequency Stability

6.1 Provisions Applicable

Standard Applicable [Part 95.1765] The carrier frequency stability is the ability of the transmitter to maintain an assigned carrier frequency.

- The carrier frequency of each GMRS transmitter transmitting an emission with an occupied bandwidth of 12.5 kHz or less must remain within 2.5 ppm
- The carrier frequency of each GMRS transmitter transmitting an emission with an occupied bandwidth greater than 12.5 kHz must remain within 5 ppm

6.2 Measurement Procedure

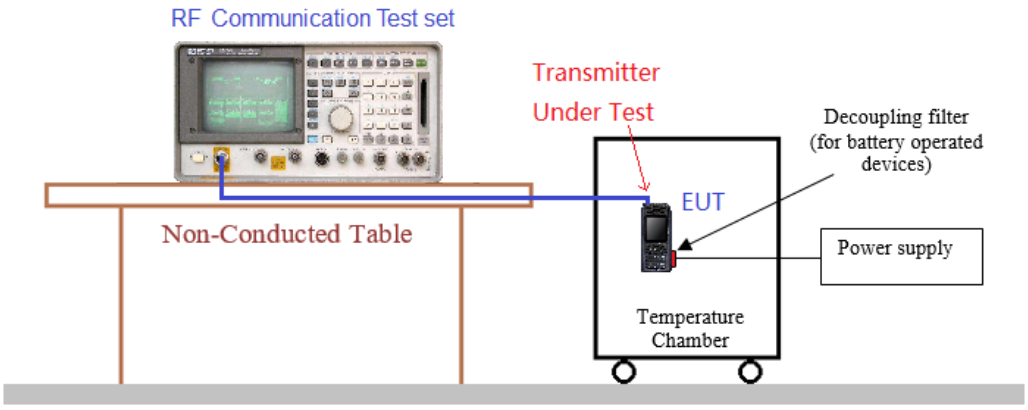
6.2.1 Frequency stability versus environmental temperature

1. Setup the configuration per figure 1 for frequencies measurement inside an environment chamber, Install new battery in the EUT.
2. Turn on EUT and set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 1kHz and Video Resolution Bandwidth to 1kHz and Frequency Span to 50kHz.Record this frequency as reference frequency.
3. Set the temperature of chamber to 50℃. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. While maintaining a constant temperature inside the chamber, turn the EUT on and measure the EUT operating frequency.
4. Repeat step 2 with a 10℃ decreased per stage until the lowest temperature -30℃ is measured, record all measured frequencies on each temperature step.

6.2.2 Frequency stability versus input voltage

1. Setup the configuration per figure 1 for frequencies measured at temperature if it is within 15℃ to 25℃. Otherwise, an environment chamber set for a temperature of 20℃ shall be used. The EUT shall be powered by DC 7.4V.
2. Set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 1 kHz and Video Resolution Bandwidth to 1kHz. Record this frequency as reference frequency.
3. Supply the EUT primary voltage at the operating end point which is specified by manufacturer and record the frequency.

6.3 Measurement Setup



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6.4 Measurement Result

12.5 kHz Channel Separation, FM modulation, Assigned Frequency For GMRS							
Test conditions		Frequency error (ppm)				Limit (ppm)	Result
Voltage (V)	Temp (℃)	Test Frequency (MHz)					
		462.6375	462.6500	467.6500	467.6375		
7.40	-30	0.989	0.529	0.731	0.686	2.5	Pass
	-20	1.069	0.765	0.717	0.306		
	-10	0.500	0.538	1.051	0.725		
	0	0.582	0.649	0.784	0.769		
	10	0.818	1.041	0.989	0.413		
	20	0.719	0.852	0.776	0.478		
	30	0.543	0.944	1.057	0.973		
	40	0.537	0.550	0.963	0.670		
	50	0.729	0.742	0.648	0.708		
8.51	20	0.791	0.778	0.759	0.690		
6.29	20	0.593	0.856	0.955	0.529		

25 kHz Channel Separation, FM modulation, Assigned Frequency For GMRS						
Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage (V)	Temp (℃)	Test Frequency (MHz)				
		462.6375	462.6500	467.6375		
7.40	-30	0.978	0.585	0.858	5	Pass
	-20	0.679	0.838	0.922		
	-10	1.097	0.542	0.932		
	0	0.683	1.069	0.707		
	10	0.641	0.528	0.933		
	20	0.625	1.070	1.024		
	30	0.946	1.025	0.634		
	40	0.621	1.022	0.931		
	50	0.525	0.770	0.895		
8.51	20	0.758	0.938	0.586		
6.29	20	0.594	0.996	1.079		

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7. 26dB Emission Bandwidth and 99% Occupied Bandwidth

7.1 Provisions Applicable

FCC Part 95.1773: GMRS Main channels: the authorized bandwidth is 20 kHz for GMRS transmitters operating on any of the 462 MHz main channels, or any of the 467 MHz main channels.

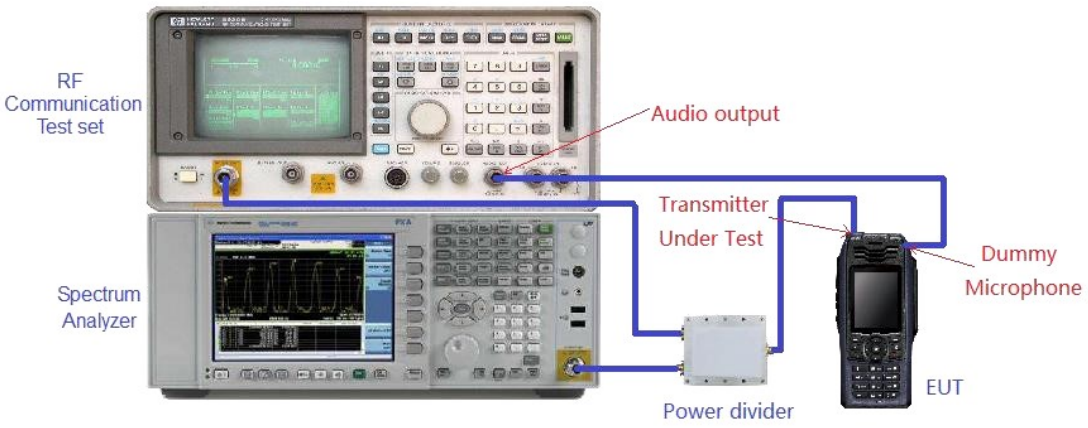
Interstitial channels:

The authorized bandwidth is 20 kHz for GMRS transmitters operating on any of the 462 MHz interstitial channels, and is 12.5 kHz for GMRS transmitters operating on any of the 467 MHz interstitial channels.
Occupied Bandwidth: The EUT was connected to the audio signal generator and the spectrum analyzer via the main RF connector, and through an appropriate attenuator. The EUT was controlled to transmit its maximum power. Then the bandwidth of 99% power can be measured by the spectrum analyzer.

7.2 Measurement Procedure

1. The EUT was modulated by 2.5kHz sine wave audio signal; the level of the audio signal employed is 16dB greater than that necessary to produce 50% of rated system deviation.
2. For rated system deviation is 2.5 kHz for 12.5kHz channel spacing.
3. For rated system deviation is 3.0 kHz for 25kHz channel spacing.
4. Spectrum set as follow:
5. Centre frequency = Fundamental Frequency
6. Span=50kHz for 12.5kHz Channel Spacing, RBW=300Hz, VBW=1kHz, Sweep = Auto.
7. Span=50kHz for 25kHz Channel Spacing, RBW=300Hz, VBW=1kHz, Sweep = Auto.
8. Detector Function = Peak, Trace = Max Hold
9. Set 99% Occupied Bandwidth and 26dB Emission Bandwidth.
10. Measure and record the results in the test report.

7.3 Measurement Setup



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7.4 Measurement Result

Emission Bandwidth Measurement Result-GMRS-4W				
Operating Frequency (MHz)	12.5 kHz Channel Separation			
	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Limits (kHz)	Result
462.6375	9.974	10.55	20.0	Pass
462.6500	9.973	10.55	20.0	Pass
467.6500	9.969	10.56	20.0	Pass
Emission Bandwidth Measurement Result-GMRS-0.5W				
Operating Frequency (MHz)	12.5 kHz Channel Separation			
	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Limits (kHz)	Result
462.6375	9.975	10.55	20.0	Pass
462.6500	9.975	10.55	20.0	Pass
467.6500	9.973	10.54	20.0	Pass
467.6375	9.969	10.54	12.5	Pass

Emission Bandwidth Measurement Result-GMRS-4W				
Operating Frequency (MHz)	25 kHz Channel Separation			
	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Limits (kHz)	Result
462.6375	15.029	15.78	20.0	Pass
462.6500	15.017	15.77	20.0	Pass
467.6500	15.021	15.77	20.0	Pass
Emission Bandwidth Measurement Result-GMRS-0.5W				
Operating Frequency (MHz)	25 kHz Channel Separation			
	Occupied Bandwidth (kHz)	Emission Bandwidth (kHz)	Limits (kHz)	Result
462.6375	14.986	15.60	20.0	Pass
462.6500	15.030	15.77	20.0	Pass
467.6500	15.005	15.73	20.0	Pass

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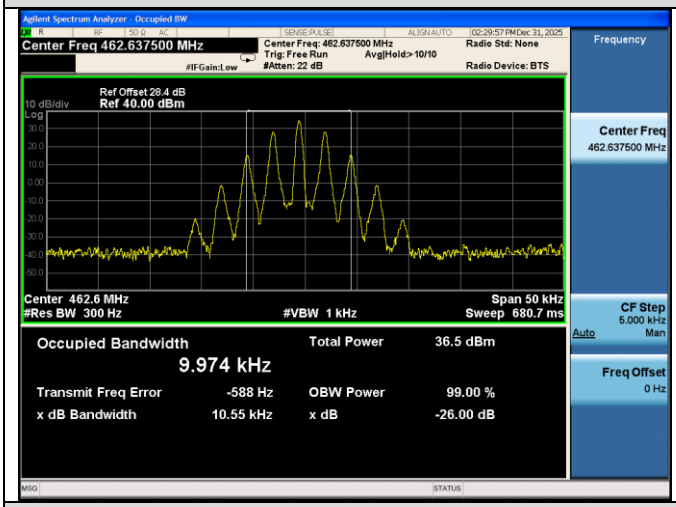
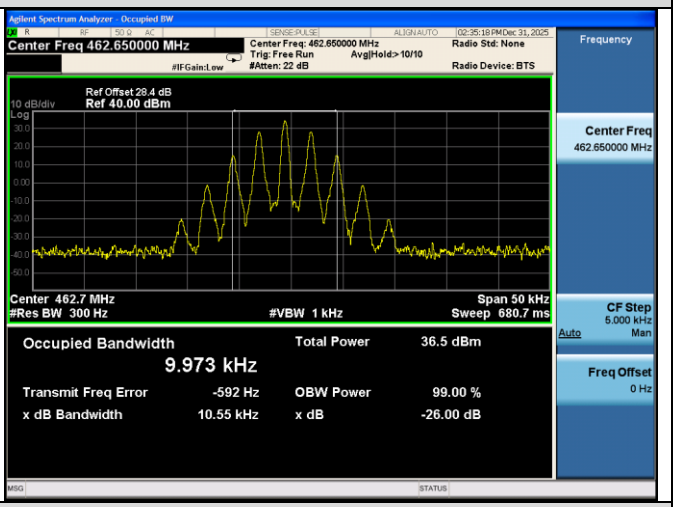
Test plot as follows:

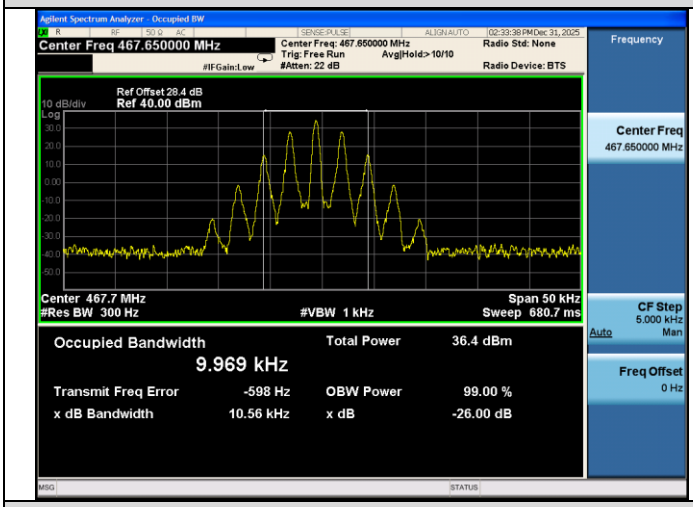
12.5kHz, FM Modulation:462.6375MHz-4W



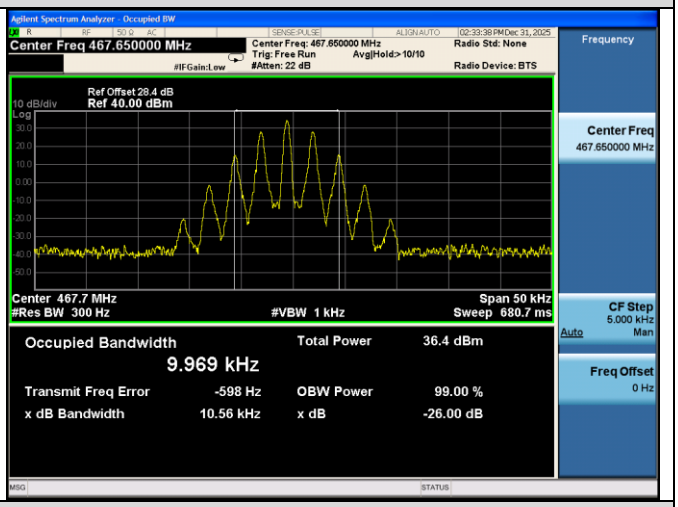
12.5kHz, FM Modulation:462.6500MHz-4W



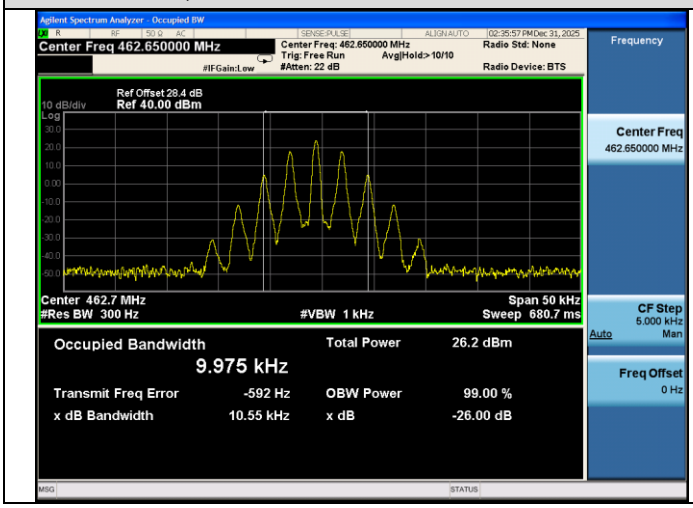
12.5kHz, FM Modulation:467.6500MHz-4W



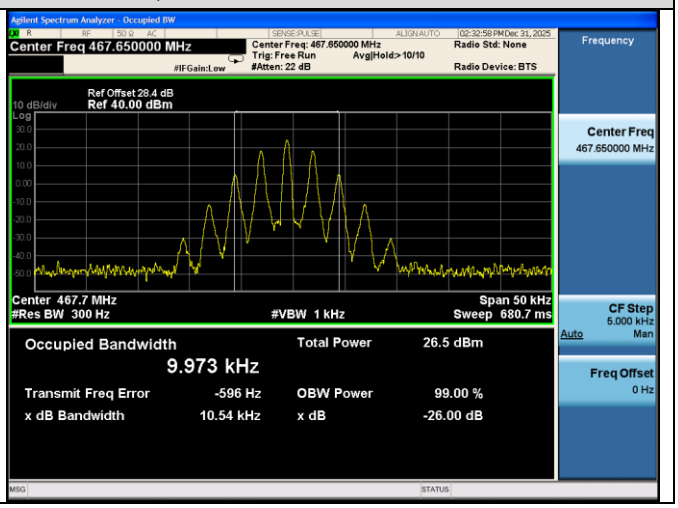
12.5kHz, FM Modulation:462.6375MHz-0.5W



12.5kHz, FM Modulation:462.6500MHz-0.5W



12.5kHz, FM Modulation:467.6500MHz-0.5W



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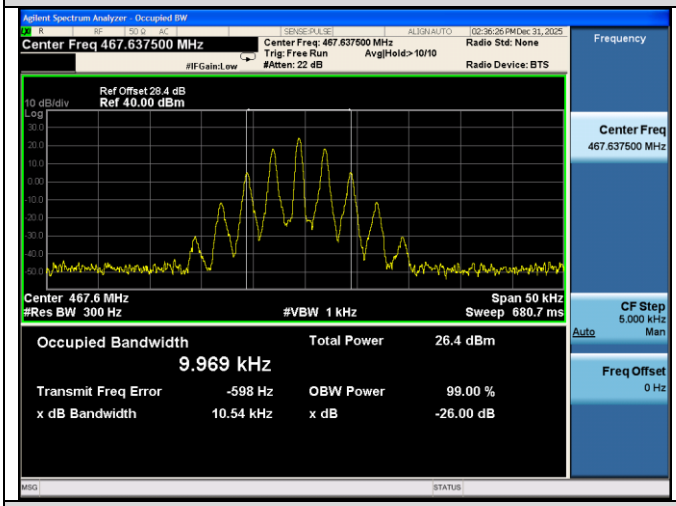
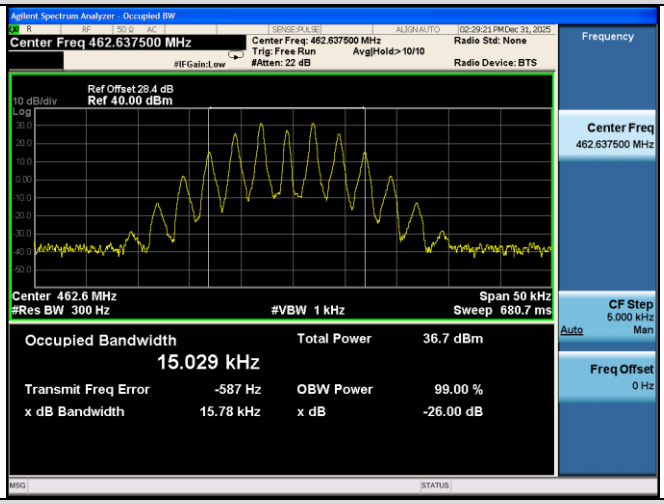
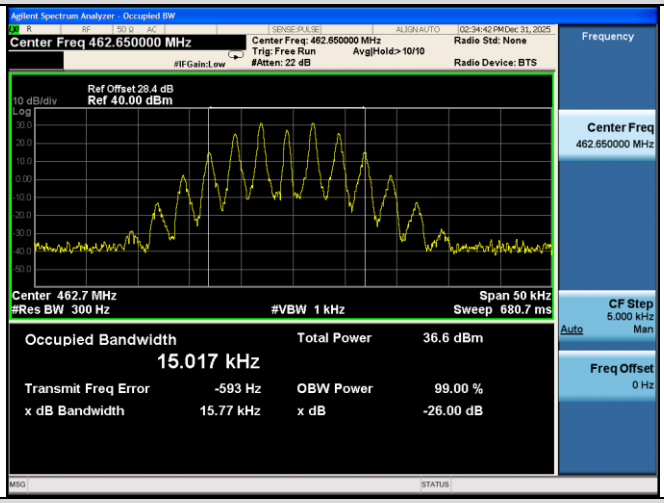
12.5kHz, FM Modulation:467.6375MHz-0.5W



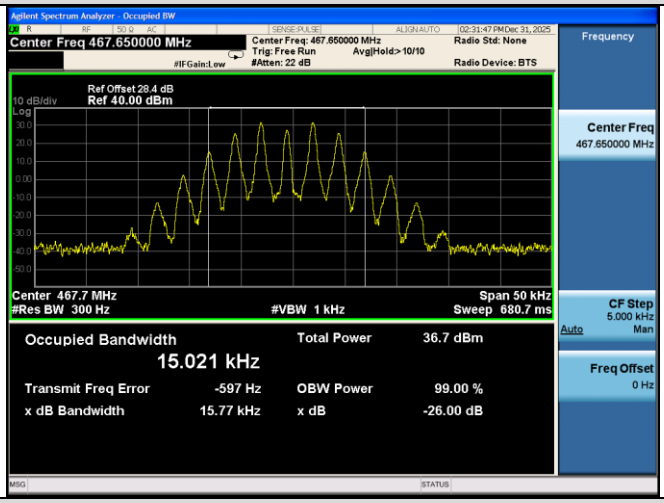
25kHz, FM Modulation:462.6375MHz-4W



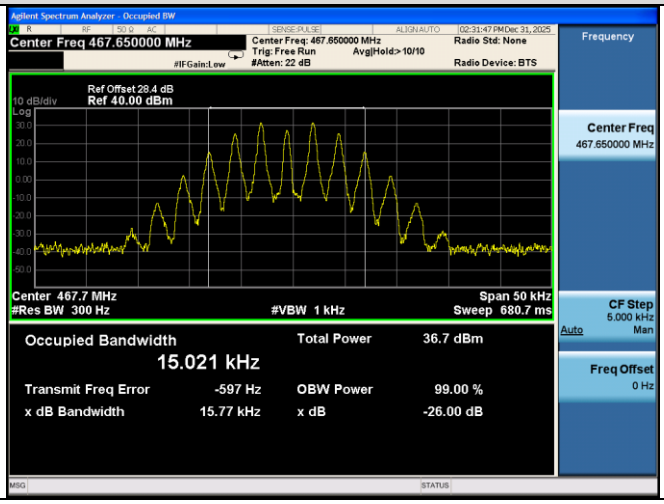
25kHz, FM Modulation:462.6500MHz-4W



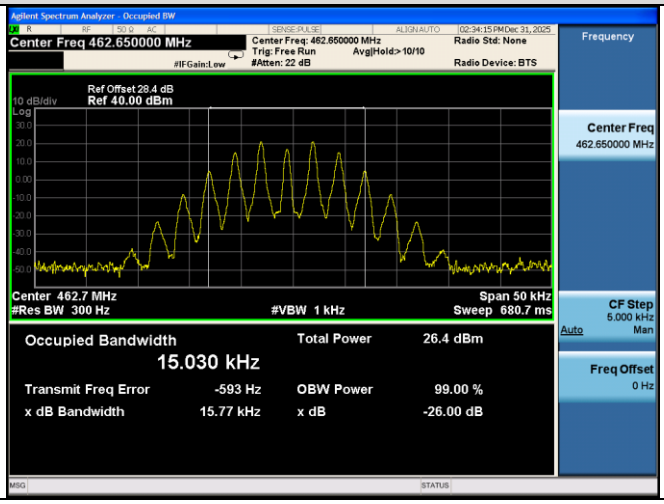
25kHz, FM Modulation:467.6500MHz-4W



25kHz, FM Modulation:462.6375MHz-0.5W



25kHz, FM Modulation:462.6500MHz-0.5W



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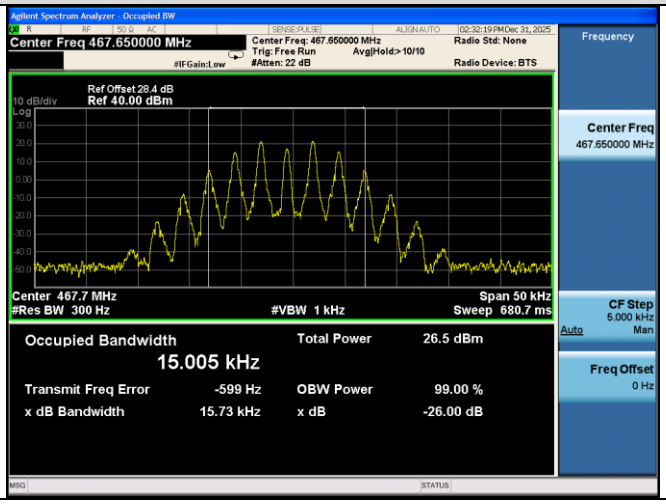
25kHz, FM Modulation:467.6500MHz-0.5W	N/A
	N/A

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8. Spurious Radiated Emission

8.1 Provisions Applicable

Standard Applicable [FCC Part 95.1779] According to FCC section 95.1779, the unwanted emission should be attenuated below TP by at least 43+10 log (Transmit Power) dB

8.2 Measurement Procedure

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 than100% up to and including 250% of the authorized bandwidth.
3) 83 log (fd ÷ 5) dB on any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 5 kHz up to and including 10 kHz.
4) 116 log (fd ÷ 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 (fd 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%.

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- **Detailed Overview of the Test Method is as Follows:**

1) EUT was placed on a 0.8 or 1.5meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. The radiated emission measurements of all transmit frequencies in all channels were measured with peak detector.
2) A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3) The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz for above 1GHz and RBW=100kHz, VBW=300kHz for 30MHz to 1GHz, And the maximum value of the receiver should be recorded as (Pr).
4) The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5) A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test
6) The measurement results are obtained as described below: Power(EIRP)=PMea- PAg - Pcl - Ga The measurement results are amend as described below:Power(EIRP)=PMea- Pcl - Ga
7) This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
8) ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.
9) Test the EUT in the lowest channel, the middle channel the Highest channel

8.3 Measurement Setup

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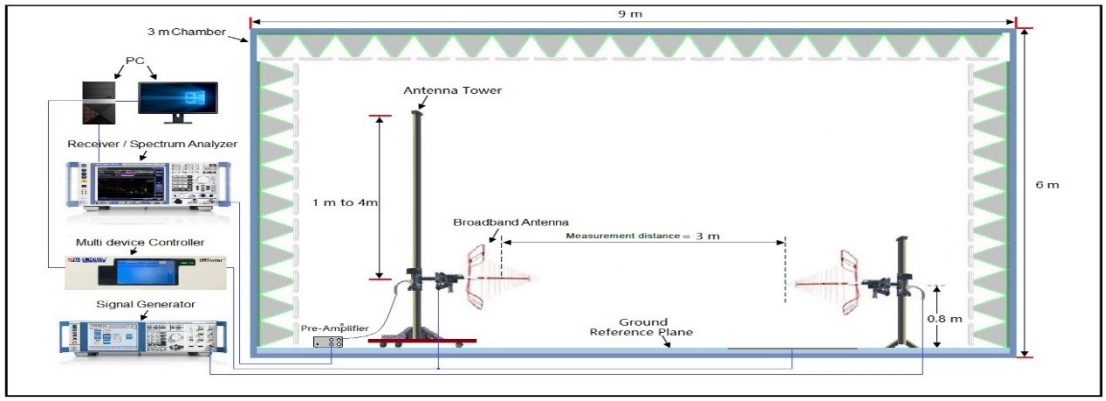
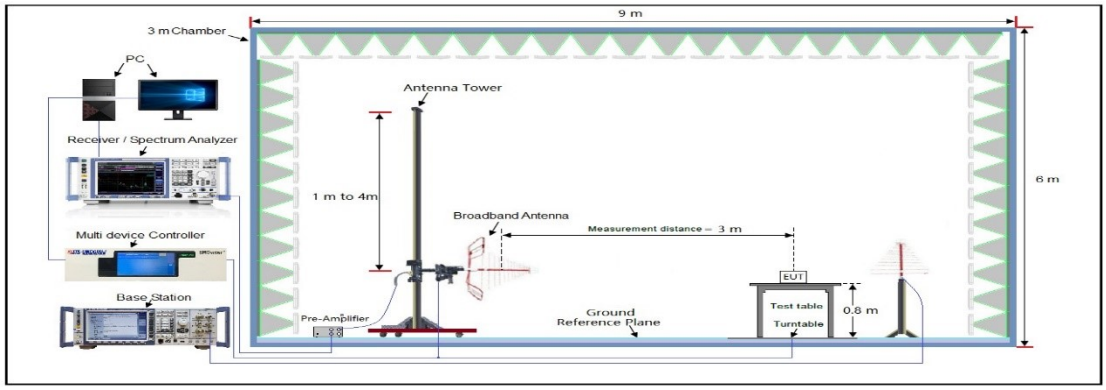
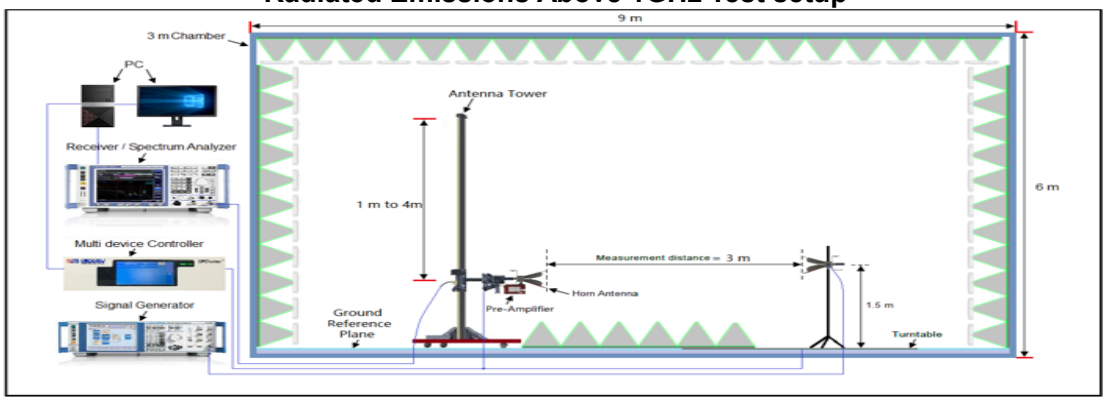
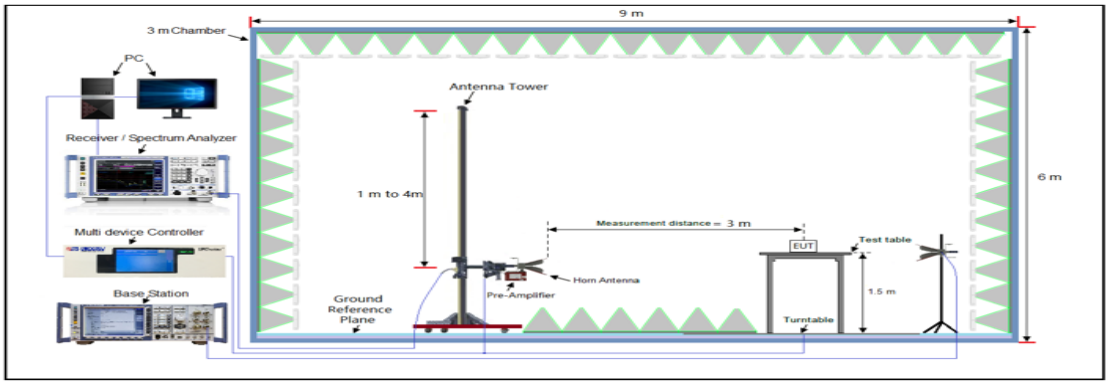
Radiated Emissions 30MHz to 1GHz Test setup





Radiated Emissions Above 1GHz Test setup





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8.4 Measurement Result

Preliminary calculation	Final Result
At least 43+10 log (P) =43+10log (4) =49.02 (dB)	Limit=P- Preliminary calculation=36.02-49.02=-13 dBm
At least 43+10 log (P) =43+10log (0.5) =39.99 (dB)	Limit=P- Preliminary calculation=26.99-39.99=-13 dBm

1. Factor=Antenna Factor + Cable loss. (Below 1GHz)
2. Factor=Antenna Factor+ Cable loss -Pre-amplifier. (Above 1 GHz)
3. Margin=Limit- Level

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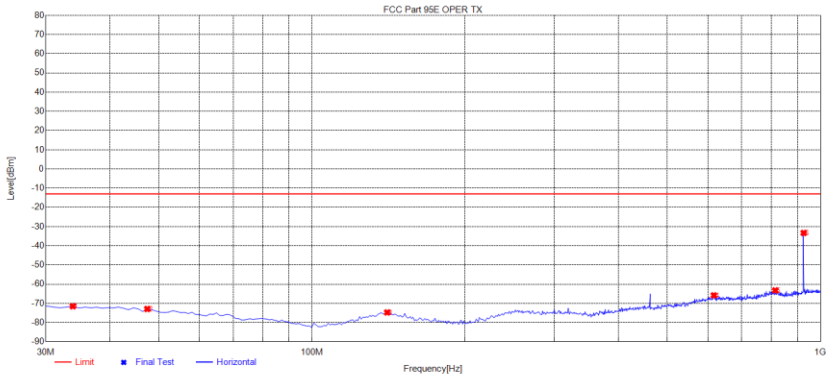
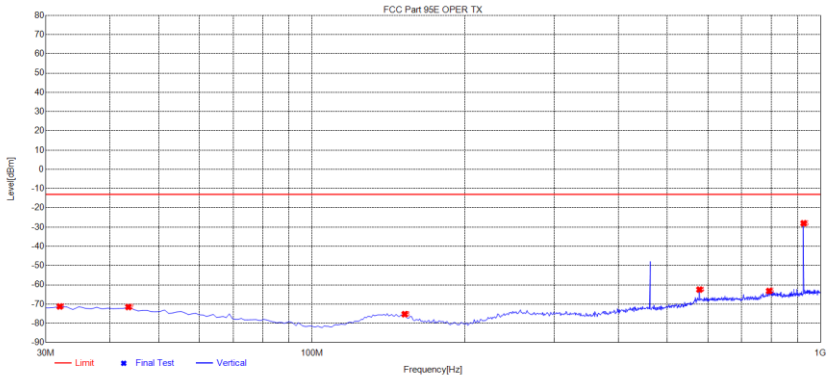
Radiated Emissions 30MHz to 1GHz			
Test Mode:	TX-CH4-12.5kHz-4W	Polarity:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	33.88	-101.01	-71.50	-13.00	58.50	29.51	155	Horizontal
2	47.46	-101.13	-72.91	-13.00	59.91	28.22	39	Horizontal
3	140.58	-101.69	-74.72	-13.00	61.72	26.97	144	Horizontal
4	616.85	-99.93	-65.79	-13.00	52.79	34.14	0	Horizontal
5	814.73	-100.22	-63.24	-13.00	50.24	36.98	0	Horizontal
6	926.28	-70.86	-33.32	-13.00	20.32	37.54	236	Horizontal

Test Mode:	TX-CH4-12.5kHz-4W	Polarity:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	31.94	-100.79	-71.22	-13.00	58.22	29.57	108	Vertical
2	43.58	-100.52	-71.51	-13.00	58.51	29.01	9	Vertical
3	152.22	-100.41	-75.23	-13.00	62.23	25.18	62	Vertical
4	578.05	-95.68	-62.44	-13.00	49.44	33.24	181	Vertical
5	792.42	-99.92	-63.16	-13.00	50.16	36.76	197	Vertical
6	926.28	-65.54	-28.00	-13.00	15.00	37.54	27	Vertical

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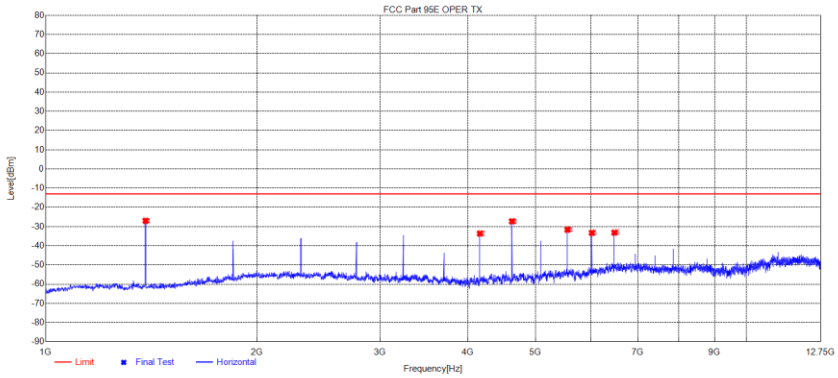
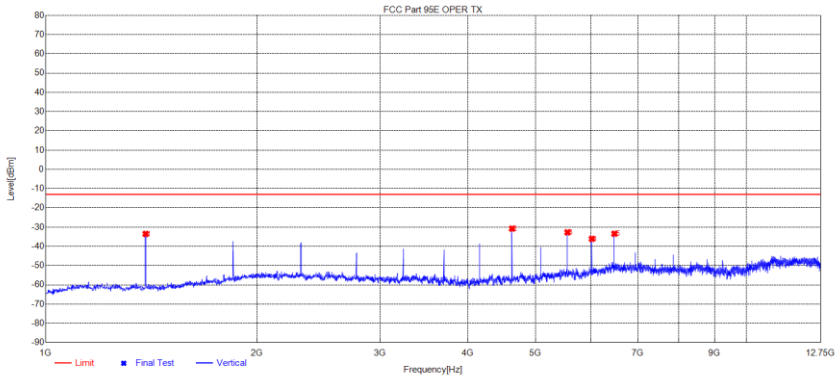
Radiated Emissions Above 1GHz			
Test Mode:	TX-CH4-12.5kHz-4W	Polarity:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	1387.7888	-22.90	-27.01	-13.00	14.01	-4.11	172	Horizontal
2	4163.4163	-36.77	-33.64	-13.00	20.64	3.13	132	Horizontal
3	4626.4126	-31.85	-27.28	-13.00	14.28	4.57	302	Horizontal
4	5552.4052	-37.51	-31.63	-13.00	18.63	5.88	331	Horizontal
5	6014.2264	-40.01	-33.29	-13.00	20.29	6.72	272	Horizontal
6	6477.2227	-40.75	-33.14	-13.00	20.14	7.61	192	Horizontal

Test Mode:	TX-CH4-12.5kHz-4W	Polarity:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	1387.7888	-29.41	-33.52	-13.00	20.52	-4.11	256	Vertical
2	4626.4126	-35.36	-30.79	-13.00	17.79	4.57	315	Vertical
3	5551.2301	-38.60	-32.72	-13.00	19.72	5.88	306	Vertical
4	6014.2264	-42.79	-36.07	-13.00	23.07	6.72	315	Vertical
5	6477.2227	-41.04	-33.43	-13.00	20.43	7.61	286	Vertical
6	935.98	-66.47	-28.66	-13.00	15.66	37.81	46	Vertical

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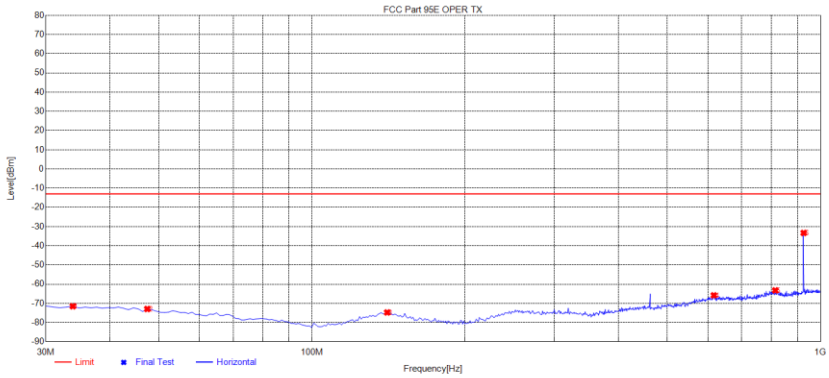
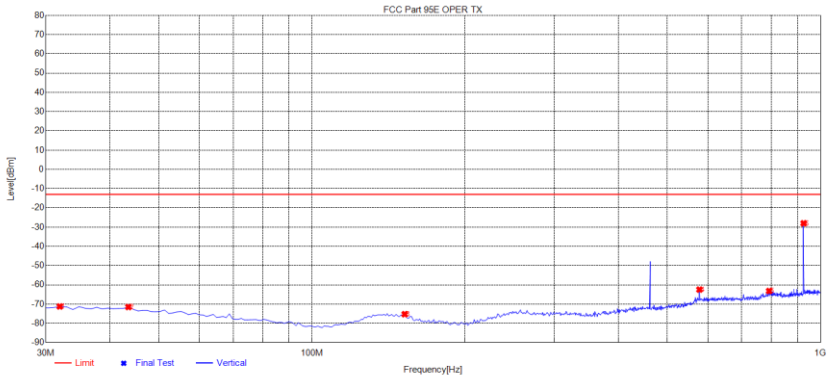
Radiated Emissions 30MHz to 1GHz			
Test Mode:	TX-CH11-12.5kHz-0.5W	Polarity:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	33.88	-101.01	-71.50	-13.00	58.50	29.51	155	Horizontal
2	47.46	-101.13	-72.91	-13.00	59.91	28.22	39	Horizontal
3	140.58	-101.69	-74.72	-13.00	61.72	26.97	144	Horizontal
4	616.85	-99.93	-65.79	-13.00	52.79	34.14	0	Horizontal
5	814.73	-100.22	-63.24	-13.00	50.24	36.98	0	Horizontal
6	926.28	-70.86	-33.32	-13.00	20.32	37.54	236	Horizontal

Test Mode:	TX-CH11-12.5kHz-0.5W	Polarity:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	31.94	-100.79	-71.22	-13.00	58.22	29.57	108	Vertical
2	43.58	-100.52	-71.51	-13.00	58.51	29.01	9	Vertical
3	152.22	-100.41	-75.23	-13.00	62.23	25.18	62	Vertical
4	578.05	-95.68	-62.44	-13.00	49.44	33.24	181	Vertical
5	792.42	-99.92	-63.16	-13.00	50.16	36.76	197	Vertical
6	926.28	-65.54	-28.00	-13.00	15.00	37.54	27	Vertical

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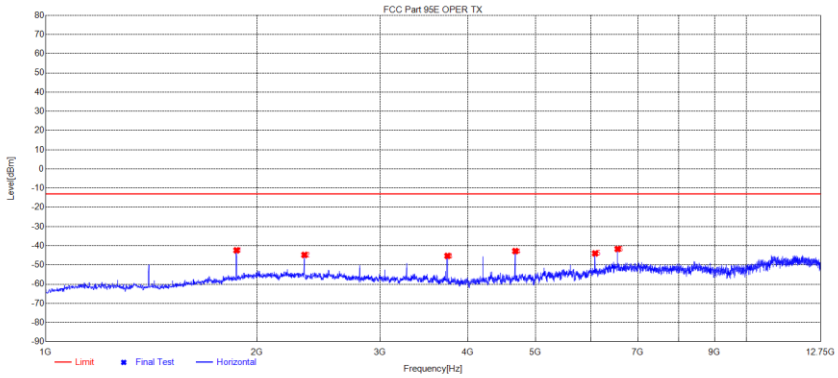
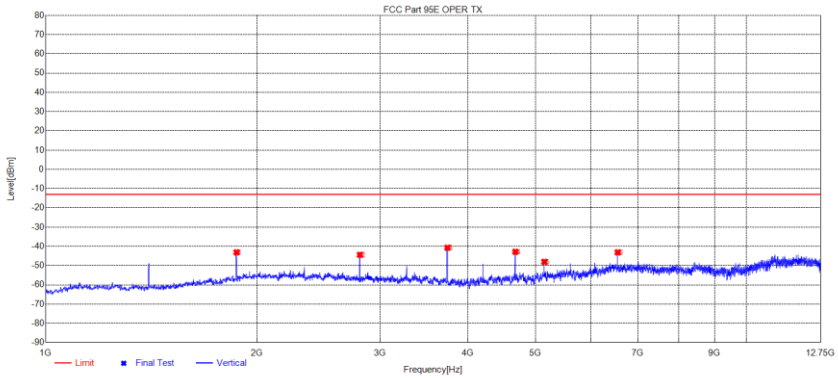
Radiated Emissions Above 1GHz			
Test Mode:	TX-CH11-12.5kHz-0.5W	Polarity:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	1870.7621	-42.80	-42.36	-13.00	29.36	0.44	197	Horizontal
2	2338.4588	-47.13	-44.77	-13.00	31.77	2.36	168	Horizontal
3	3741.5492	-47.66	-45.27	-13.00	32.27	2.39	296	Horizontal
4	4676.9427	-47.38	-42.76	-13.00	29.76	4.62	78	Horizontal
5	6078.8579	-50.82	-43.97	-13.00	30.97	6.85	286	Horizontal
6	6546.5547	-49.38	-41.67	-13.00	28.67	7.71	19	Horizontal

Test Mode:	TX-CH11-12.5kHz-0.5W	Polarity:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	1870.7621	-43.53	-43.09	-13.00	30.09	0.44	163	Vertical
2	2806.1556	-46.31	-44.40	-13.00	31.40	1.91	351	Vertical
3	3741.5492	-43.11	-40.72	-13.00	27.72	2.39	242	Vertical
4	4676.9427	-47.43	-42.81	-13.00	29.81	4.62	322	Vertical
5	5144.6395	-53.25	-48.03	-13.00	35.03	5.22	281	Vertical
6	6546.5547	-50.82	-43.11	-13.00	30.11	7.71	292	Vertical

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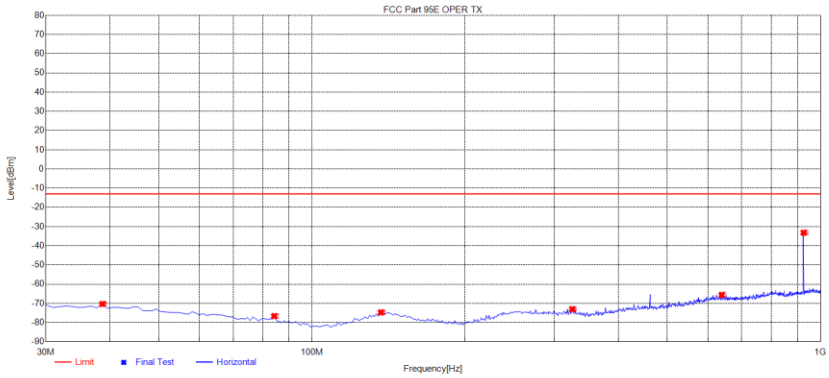
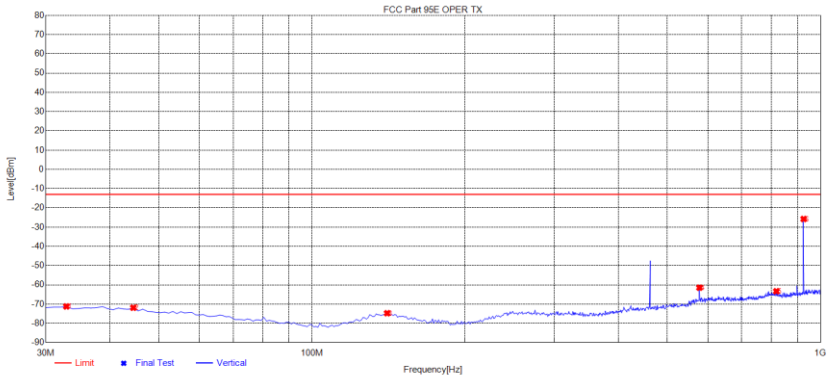
Radiated Emissions 30MHz to 1GHz			
Test Mode:	TX-CH4-25kHz-4W	Polarity:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	38.73	-99.96	-70.32	-13.00	57.32	29.64	351	Horizontal
2	84.32	-99.51	-76.62	-13.00	63.62	22.89	351	Horizontal
3	136.7	-101.10	-74.71	-13.00	61.71	26.39	150	Horizontal
4	324.88	-100.27	-73.01	-13.00	60.01	27.26	351	Horizontal
5	639.16	-100.05	-65.59	-13.00	52.59	34.46	224	Horizontal
6	926.28	-70.73	-33.19	-13.00	20.19	37.54	287	Horizontal

Test Mode:	TX-CH4-25kHz-4W	Polarity:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	32.91	-100.79	-71.20	-13.00	58.20	29.59	62	Vertical
2	44.55	-100.67	-71.87	-13.00	58.87	28.80	248	Vertical
3	140.58	-101.70	-74.73	-13.00	61.73	26.97	124	Vertical
4	578.05	-94.70	-61.46	-13.00	48.46	33.24	159	Vertical
5	818.61	-100.15	-63.30	-13.00	50.30	36.85	113	Vertical
6	926.28	-63.32	-25.78	-13.00	12.78	37.54	360	Vertical

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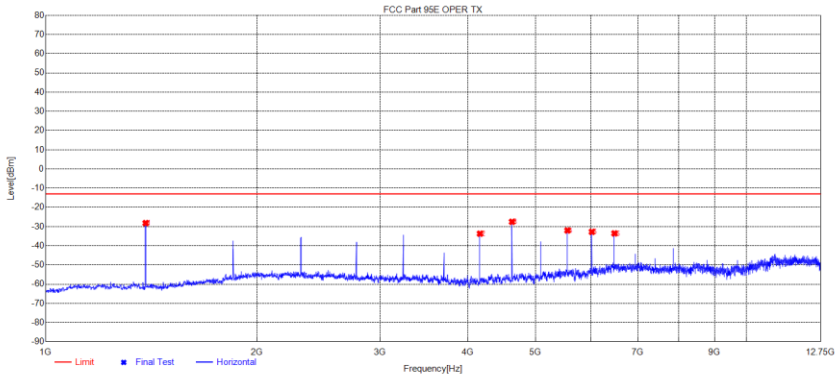
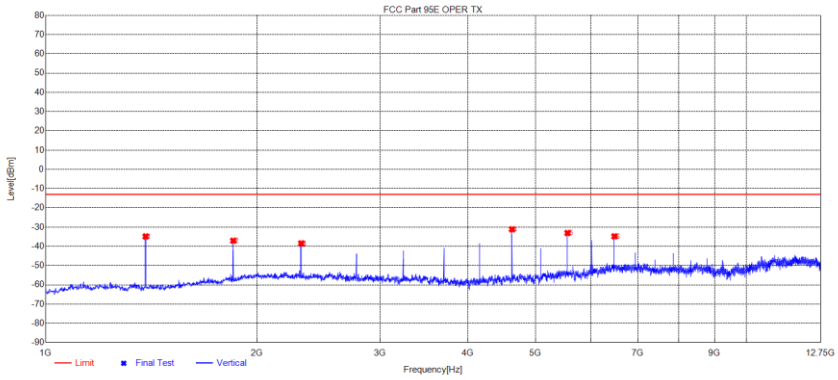
Radiated Emissions Above 1GHz			
Test Mode:	TX-CH4-25kHz-4W	Polarity:	Horizontal



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	1387.7888	-24.08	-28.19	-13.00	15.19	-4.11	177	Horizontal
2	4163.4163	-36.83	-33.70	-13.00	20.70	3.13	138	Horizontal
3	4626.4126	-32.09	-27.52	-13.00	14.52	4.57	315	Horizontal
4	5551.2301	-37.89	-32.01	-13.00	19.01	5.88	334	Horizontal
5	6014.2264	-39.48	-32.76	-13.00	19.76	6.72	265	Horizontal
6	6477.2227	-41.16	-33.55	-13.00	20.55	7.61	197	Horizontal

Test Mode:	TX-CH4-25kHz-4W	Polarity:	Vertical



NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Factor [dB]	Angle [°]	Polarity
1	1387.7888	-30.75	-34.86	-13.00	21.86	-4.11	256	Vertical
2	1850.7851	-37.25	-37.07	-13.00	24.07	0.18	158	Vertical
3	2313.7814	-40.79	-38.46	-13.00	25.46	2.33	19	Vertical
4	4626.4126	-35.72	-31.15	-13.00	18.15	4.57	326	Vertical
5	5552.4052	-38.94	-33.06	-13.00	20.06	5.88	315	Vertical
6	6477.2227	-42.40	-34.79	-13.00	21.79	7.61	286	Vertical

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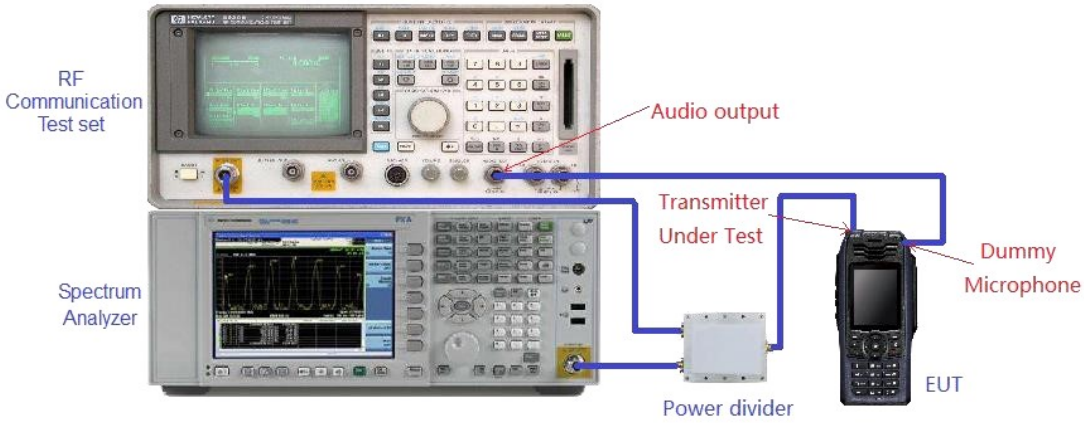
8.5 Emission Mask Measurement Part

The detailed procedure employed for Emission Mask measurements are specified as following:

-Connect the equipment as illustrated.

-Spectrum set as follow:

1. Centre frequency = fundamental frequency, Span=150kHz for 12.5kHz and 25kHz channel spacing, RBW=300Hz, VBW=1000Hz for 12.5kHz, RBW=300Hz, VBW=1000Hz for 25kHz, Sweep = auto, Detector function = peak, Trace = max hold
2. Key the transmitter, and set the level of the unmodulated carrier to a full scale reference line. This is the 0dB reference for the measurement.
3. Modulate the transmitter with a 2500 Hz sine wave at an input level 16 dB greater than that necessary to produce 50% of rated system deviation (Rated system deviation is 2.5 kHz for 12.5kHz channel spacing). The input level shall be established at the frequency of maximum response of the audio modulating circuit.
4. Transmitters employing digital modulation techniques that bypass the limiter and the audio low-pass filter shall be modulated as specified by the manufacturer.
5. Measure and record the results in the test report.



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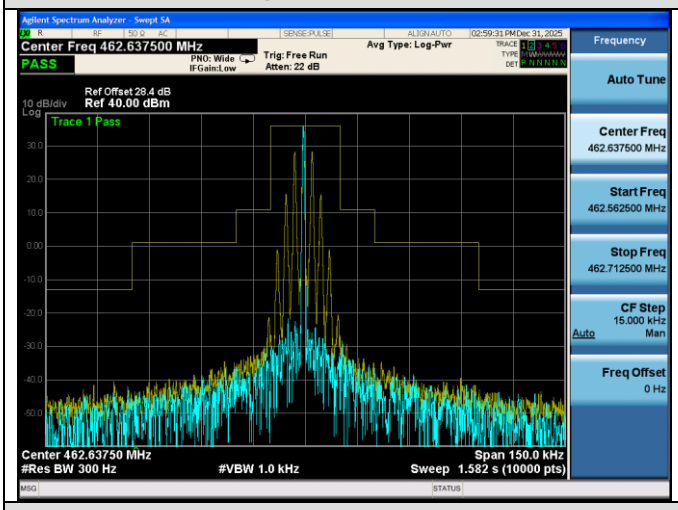
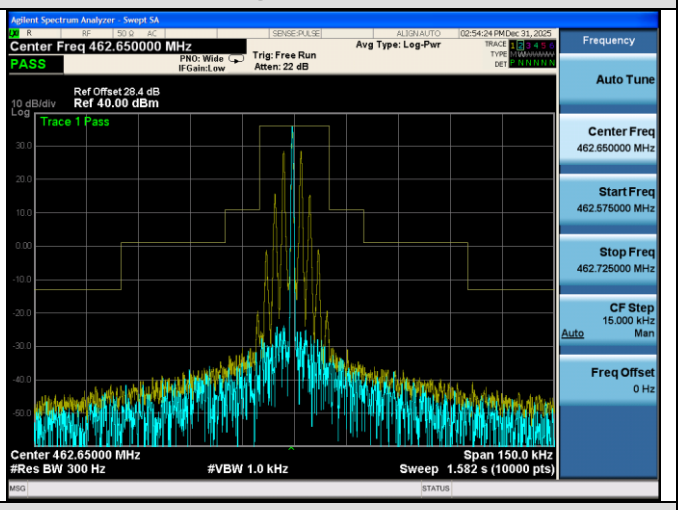
Test plot as follows:

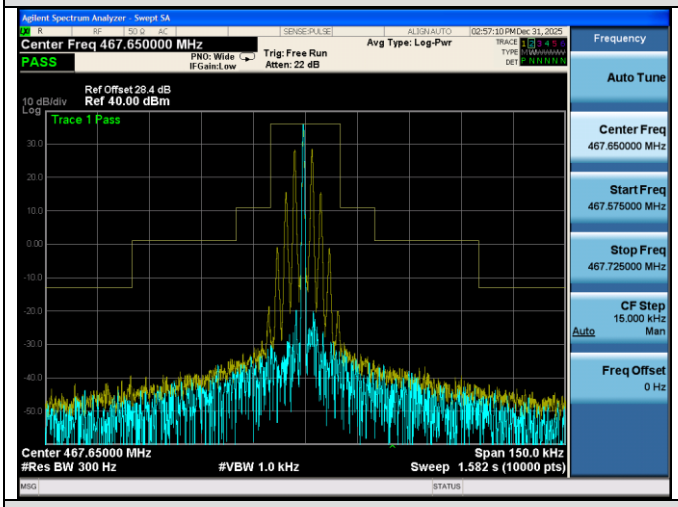
Emission Mask @ 462.6375MHz-12.5kHz-4W



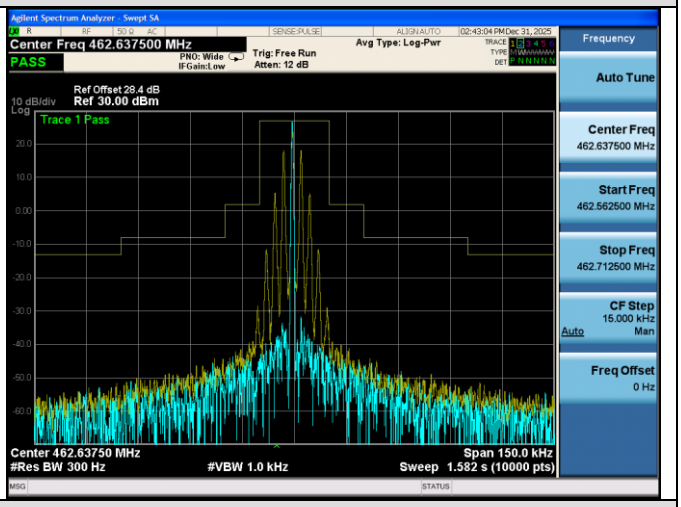
Emission Mask @ 462.6500MHz-12.5kHz-4W



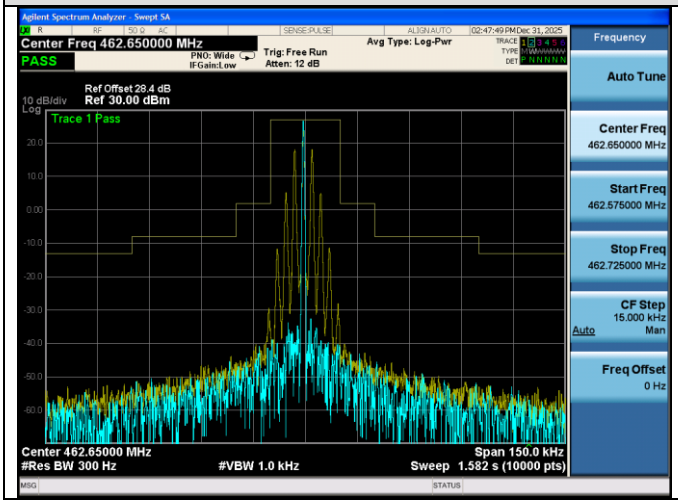
Emission Mask @ 467.6500MHz-12.5kHz-4W



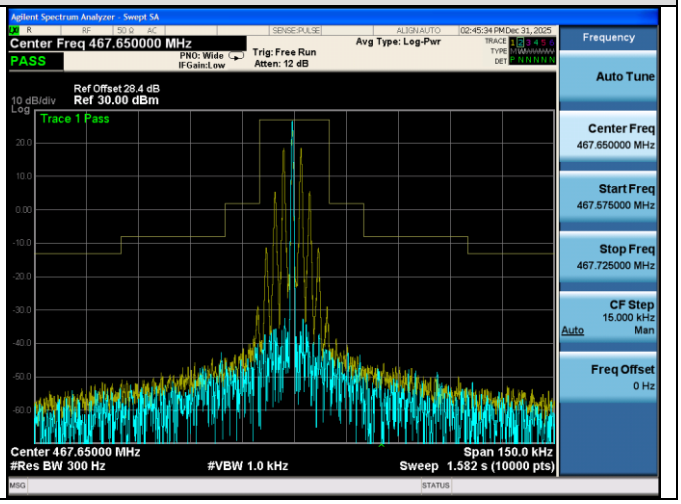
Emission Mask @ 462.6375MHz-12.5kHz-0.5W



Emission Mask @ 462.6500MHz-12.5kHz-0.5W



Emission Mask @ 467.6500MHz-12.5kHz-0.5W



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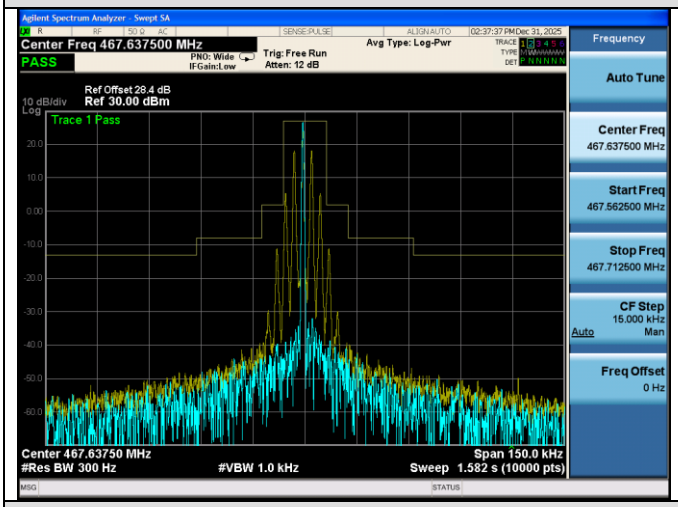
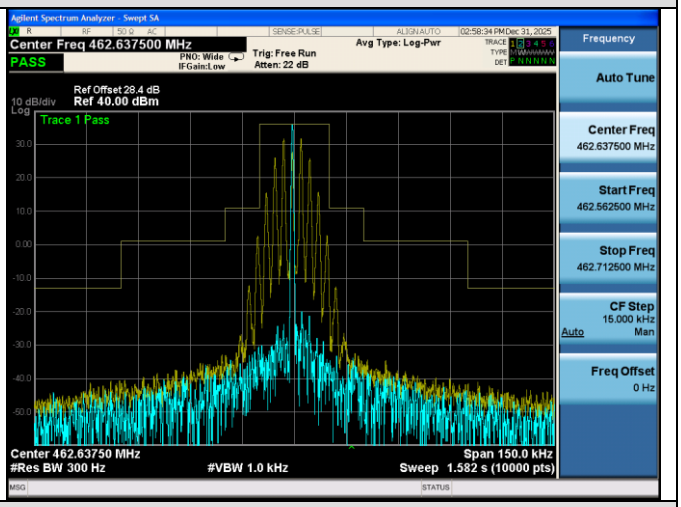
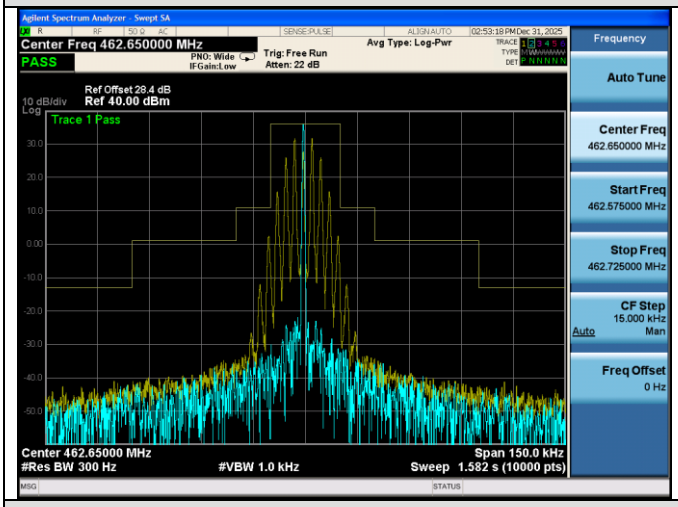
Emission Mask @ 467.6375MHz-12.5kHz-0.5W



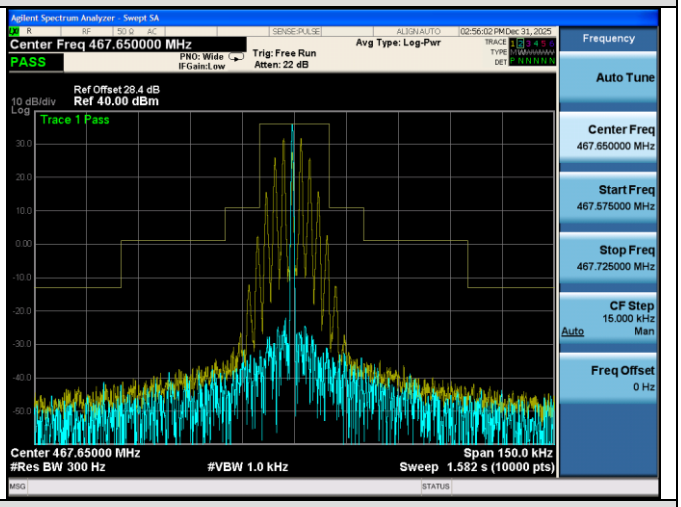
Emission Mask @ 462.6375MHz-25kHz-4W



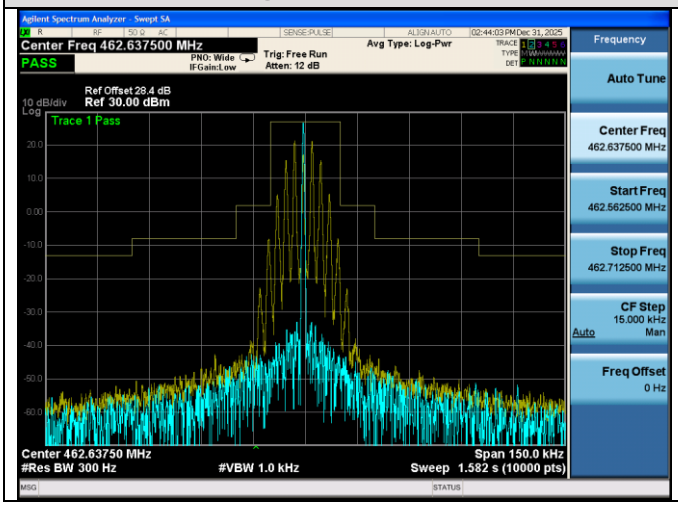
Emission Mask @ 462.6500MHz-25kHz-4W



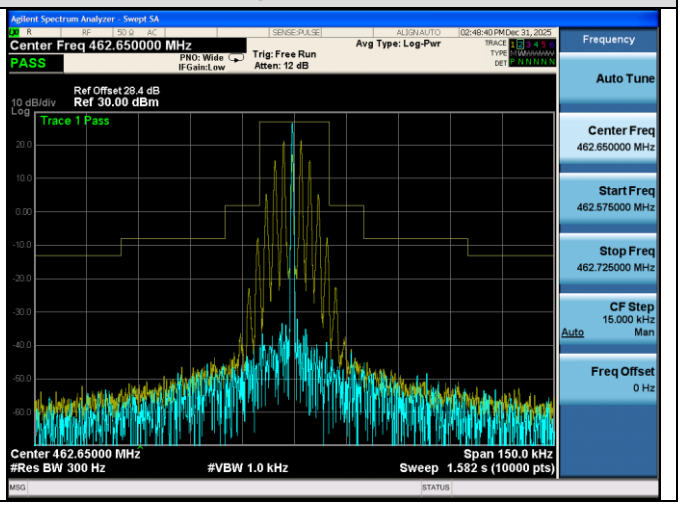
Emission Mask @ 462.6700MHz-25kHz-4W



Emission Mask @ 462.6375MHz-25kHz-0.5W



Emission Mask @ 462.6500MHz-25kHz-0.5W



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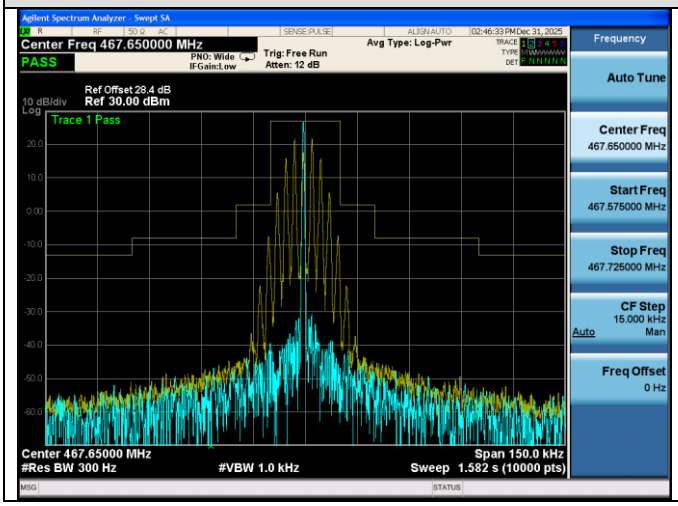
Emission Mask @ 462.6700MHz-25kHz-0.5W	N/A
	N/A

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9. Modulation Characteristics

9.1 Provisions Applicable

According to FCC§2.1047 and §95.1775, for Voice Modulation Communication Equipment, the frequency response of the audio modulation circuit over a range of 100 to 5000Hz shall be measured.
Each GMRS transmitter type must be designed to satisfy the modulation requirements in this section. Operation of GMRS stations must also be in compliance with these requirements.
(a) Main channels. The peak frequency deviation for emissions to be transmitted on the main channels must not exceed ± 5 kHz.
(b) 462 MHz interstitial channels. The peak frequency deviation for emissions to be transmitted on the 462 MHz interstitial channels must not exceed ± 5 kHz.
(c) 467 MHz interstitial channels. The peak frequency deviation for emissions to be transmitted on the 467 MHz interstitial channels must not exceed ± 2.5 kHz, and the highest audio frequency contributing substantially to modulation must not exceed 3.125 kHz.

9.2 Measurement Procedure

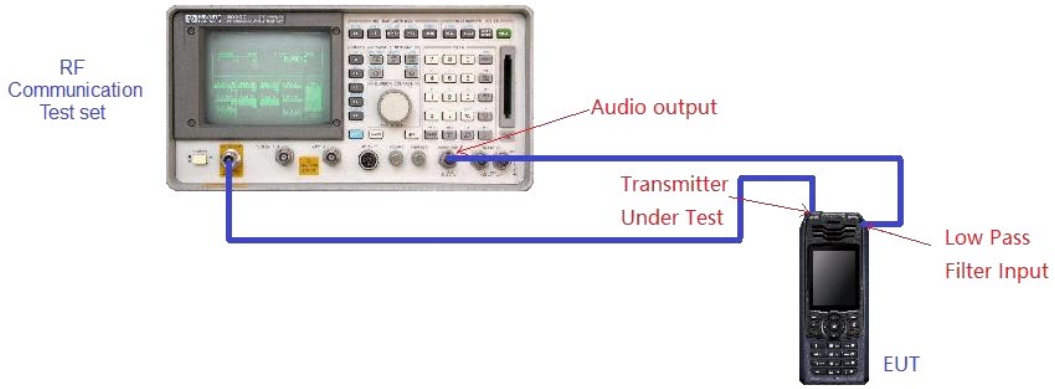
- **Modulation Limit**

1. Test layout and build equipment as shown below.
2. adjust the audio input for 60% of rated system deviation at 1kHz using this level as a reference (0dB).
3. Vary the input level from –20 to +20dB.
4. Record the frequency deviation obtained as a function of the input level.
5. Repeat step 2 with input frequency changing to 300, 1000, 1500 and 3000Hz in sequence.

- **Audio Frequency Response**

1. Test layout and build equipment as shown below.
2. Adjust the audio input for 20% of rated system deviation at 1 kHz using this level as a reference (0 dB).
3. Vary the Audio frequency from 100 Hz to 10 kHz and record the frequency deviation.
4. Audio Frequency Response = 20log10 (Deviation of test frequency/Deviation of 1 kHz reference).

9.3 Measurement Setup



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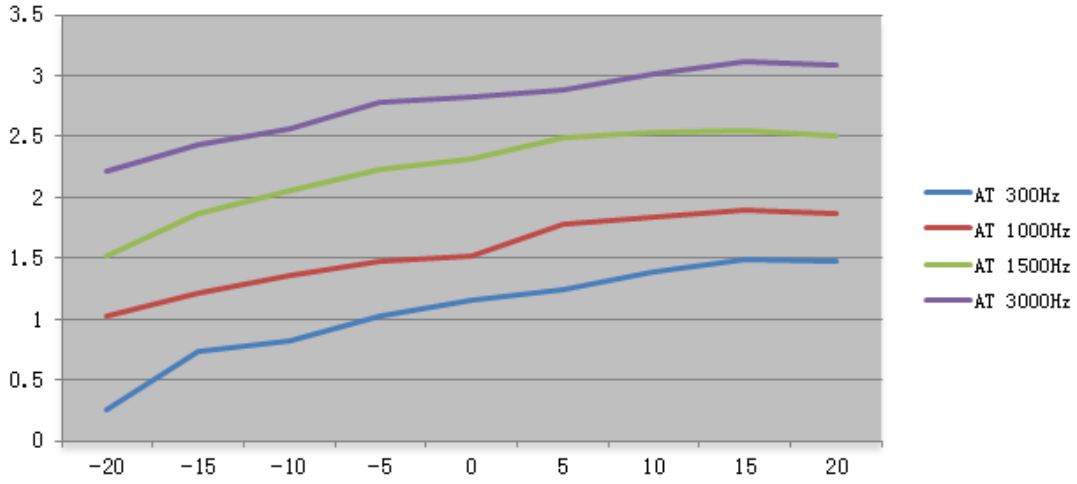
9.4 Measurement Result

A. Modulation Limit:

12.5kHz, FM modulation, Assigned Frequency:462.6375MHz-4W				
Modulation Level (dB)	Peak Freq. Deviation At 300 Hz (kHz)	Peak Freq. Deviation At 1000 Hz (kHz)	Peak Freq. Deviation At 1500 Hz (kHz)	Peak Freq. Deviation At 3000 Hz (kHz)
-20	0.26	1.03	1.52	2.22
-15	0.74	1.21	1.87	2.43
-10	0.82	1.36	2.05	2.56
-5	1.03	1.48	2.23	2.78
0	1.16	1.52	2.31	2.82
+5	1.24	1.78	2.49	2.89
+10	1.38	1.83	2.53	3.02
+15	1.49	1.89	2.55	3.11
+20	1.48	1.87	2.51	3.09



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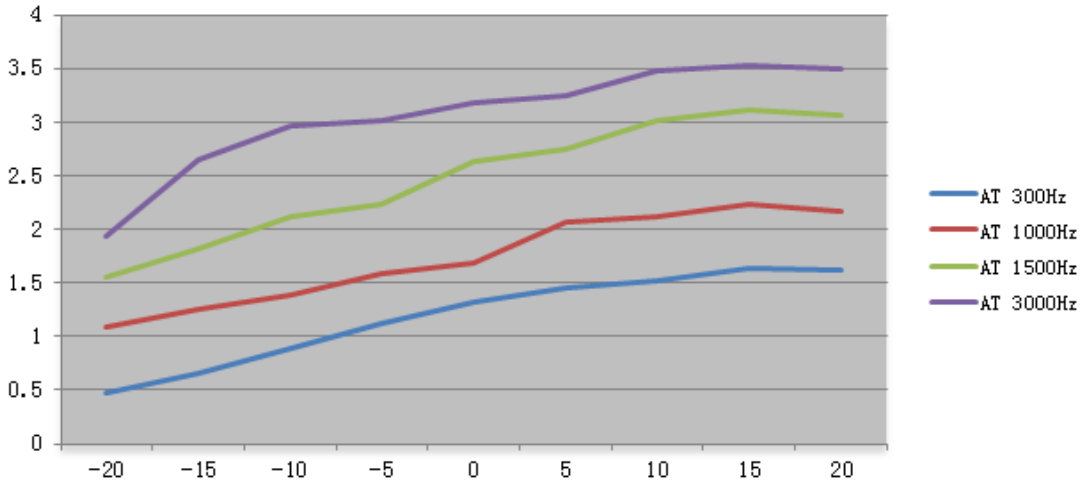
25kHz, FM modulation, Assigned Frequency:462.6375MHz-4W				
Modulation Level (dB)	Peak Freq. Deviation At 300 Hz (kHz)	Peak Freq. Deviation At 1000 Hz (kHz)	Peak Freq. Deviation At 1500 Hz (kHz)	Peak Freq. Deviation At 3000 Hz (kHz)
-20	0.48	1.08	1.56	1.93
-15	0.66	1.25	1.82	2.64
-10	0.89	1.38	2.11	2.96
-5	1.12	1.58	2.23	3.02
0	1.32	1.69	2.63	3.18
+5	1.45	2.06	2.74	3.25
+10	1.52	2.11	3.02	3.48
+15	1.63	2.23	3.11	3.52
+20	1.61	2.16	3.06	3.49



Note: All the modes had been tested, but only the worst data recorded in the report

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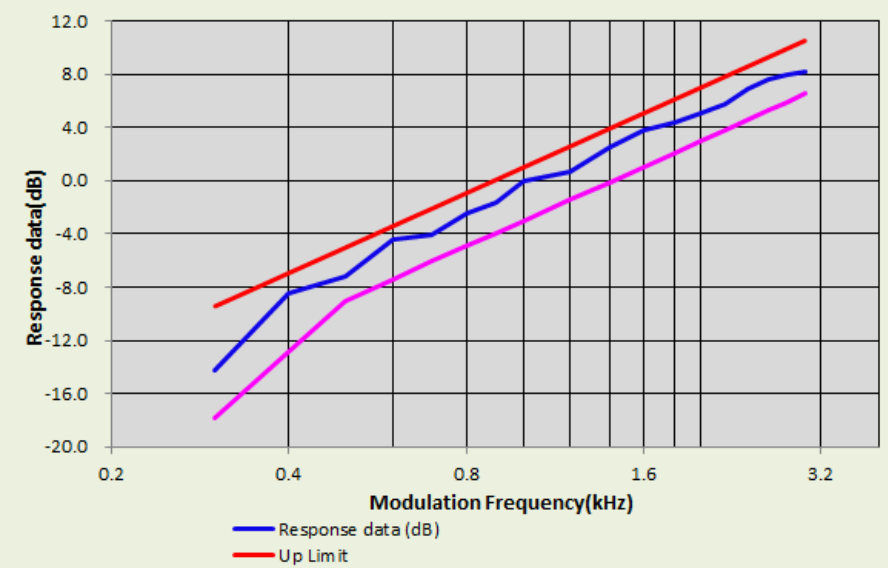
B. **Audio Frequency Response:**

12.5kHz, Analog modulation, Assigned Frequency:462.6375MHz-4W		
Frequency (Hz)	Deviation (kHz)	Audio Frequency Response(dB)
100	--	--
200	--	--
300	0.16	-14.19
400	0.31	-8.45
500	0.36	-7.15
600	0.49	-4.47
700	0.51	-4.12
800	0.62	-2.43
900	0.68	-1.63
1000	**0.82**	0.00
1200	0.89	0.71
1400	1.09	2.47
1600	1.26	3.73
1800	1.35	4.33
2000	1.47	5.07
2400	1.58	5.70
2500	1.82	6.93
2800	1.96	7.57
3000	2.05	7.96



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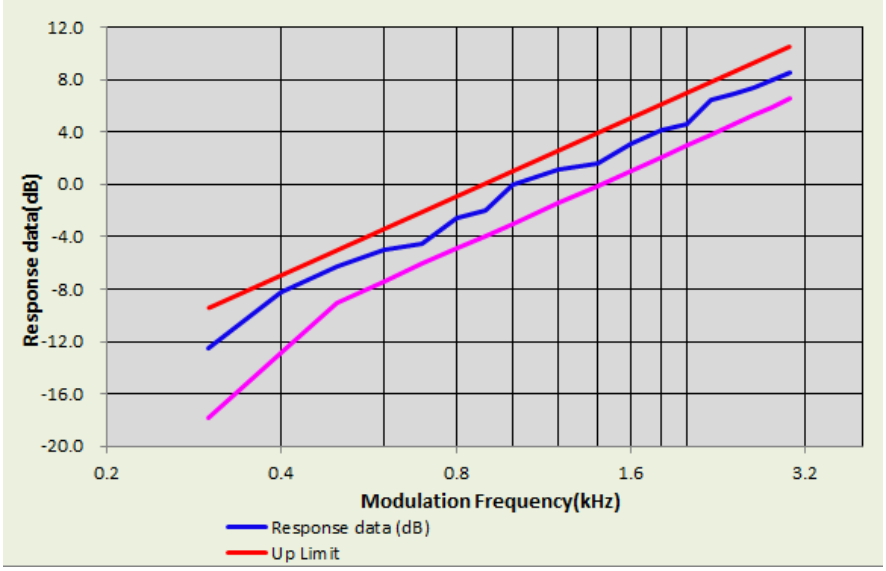
25kHz, Analog modulation, Assigned Frequency:462.6375MHz-4W		
Frequency (Hz)	Deviation (kHz)	Audio Frequency Response(dB)
100	--	--
200	--	--
300	0.22	-12.52
400	0.36	-8.24
500	0.45	-6.31
600	0.52	-5.05
700	0.55	-4.56
800	0.69	-2.59
900	0.74	-1.99
1000	**0.93**	0.00
1200	1.06	1.14
1400	1.12	1.61
1600	1.32	3.04
1800	1.49	4.09
2000	1.58	4.60
2400	1.95	6.43
2500	2.06	6.91
2800	2.17	7.36
3000	2.32	7.94



Note: All the modes had been tested, but only the worst data recorded in the report.

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10. Maximum Transmitter Power

10.1 Provisions Applicable

FCC Part 95.1767 For GMRS, the maximum permissible transmitter output power effective radiated power (E.R.P.) as follows.

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.

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.

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

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

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.

(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.

10.2 Measurement Procedure

1. EUT was placed on a 0.8 or 1.5meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made. The radiated emission measurements of all transmit frequencies in all channels were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz for above 1GHz and RBW=100kHz, VBW=300kHz for 30MHz to 1GHz, And the maximum value of the receiver should be recorded as (Pr).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver

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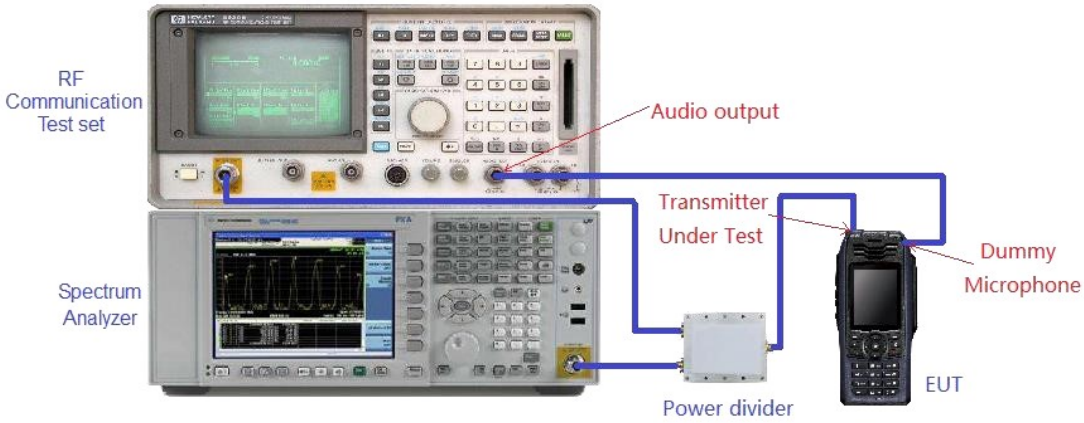
reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test
6. The measurement results are obtained as described below: Power(EIRP)=P_{Mea}- P_{Ag} - P_{cl} - G_a The measurement results are amend as described below:Power(EIRP)=P_{Mea}- P_{cl} - G_a
7. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
8. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.
9. Test the EUT in the lowest channel, the middle channel the Highest channel

10.3 Measurement Setup

☒Conducted Output Power:



☒Effective Radiated Power:

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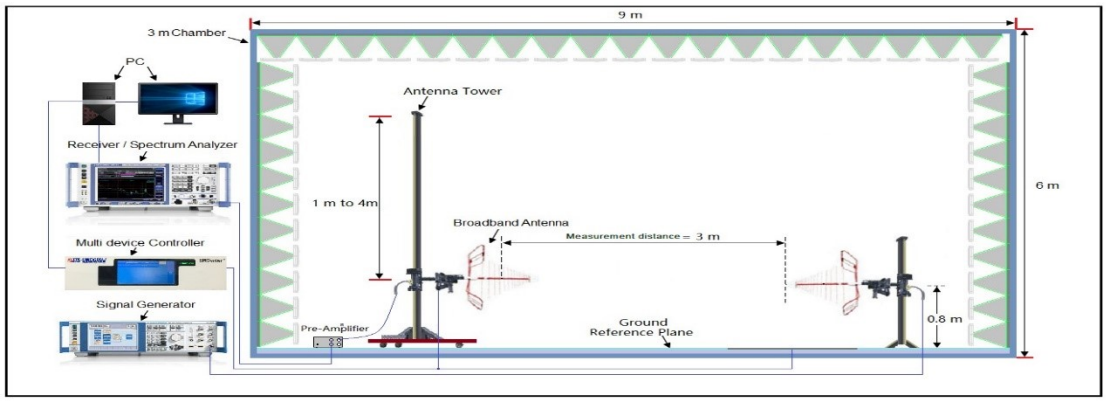
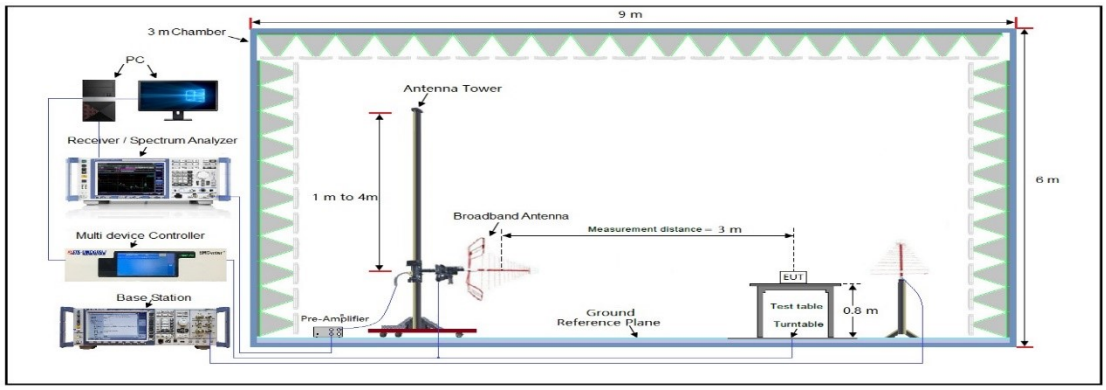
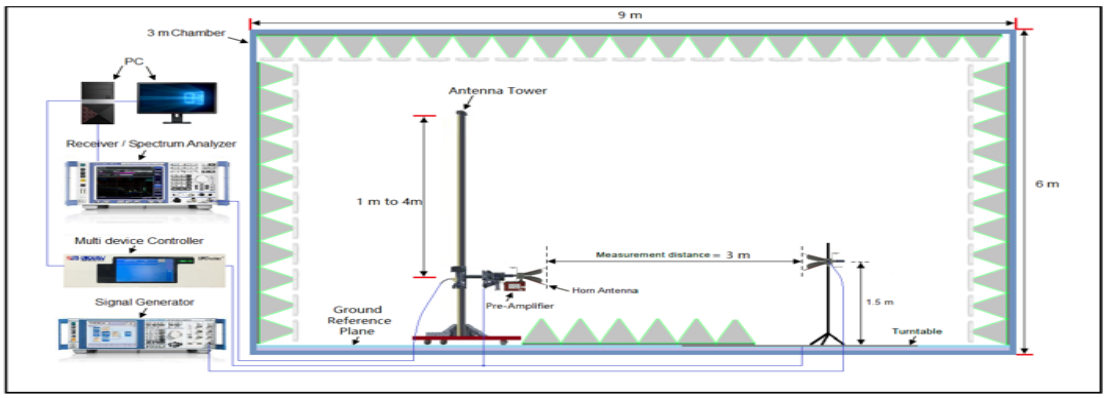
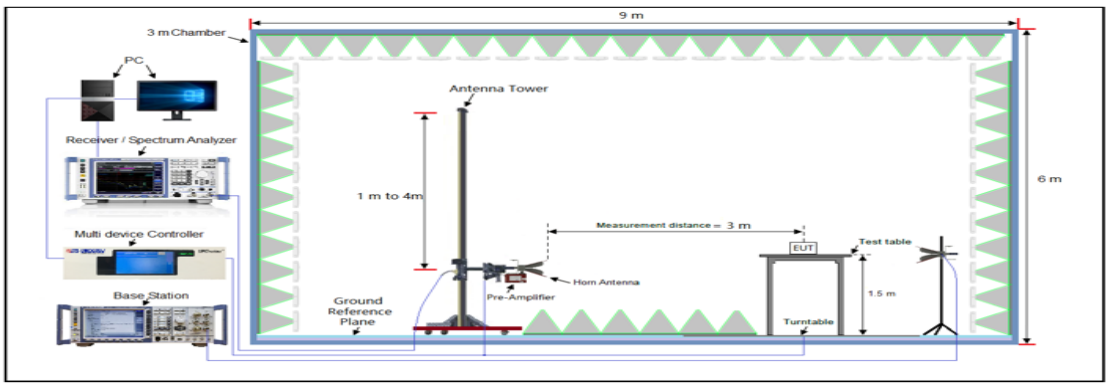
Radiated Below 1GHz





Radiated Above 1 GHz





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10.4 Measurement Result

- **ERP Result:**

Frequency	Reading Level	Antenna	S.G.	Cable Loss	Ant.Gain	ERP Level	ERP Level	Limit	Margin
(MHz)	(dBμV/m)	Polarization	(dBm)	(dB)	(dBi)	(dBm)	(W)	(W)	(W)
ChannelSeparation:12.5kHz-4W									
462.6375	104.57	V	29.37	0.38	6.6	35.59	3.62	5	1.38
462.6375	104.48	H	29.28	0.38	6.6	35.50	3.55	5	1.45
462.6500	104.41	V	29.21	0.38	6.6	35.43	3.49	50	46.51
462.6500	104.37	H	29.17	0.38	6.6	35.39	3.46	50	46.54
467.6500	104.33	V	29.13	0.38	6.6	35.35	3.43	50	46.57
467.6500	104.24	H	29.04	0.38	6.6	35.26	3.36	50	46.64
ChannelSeparation:12.5kHz-0.5W									
462.6375	95.33	V	20.13	0.38	6.6	26.35	0.43	5.00	4.57
462.6375	95.20	H	20.00	0.38	6.6	26.22	0.42	5.00	4.58
462.6500	95.21	V	20.01	0.38	6.6	26.23	0.42	50.00	49.58
462.6500	95.17	H	19.97	0.38	6.6	26.19	0.42	50.00	49.58
467.6500	95.38	V	20.18	0.38	6.6	26.40	0.44	50.00	49.56
467.6500	95.32	H	20.12	0.38	6.6	26.34	0.43	50.00	49.57
467.6375	95.50	V	20.30	0.38	6.6	26.52	0.45	0.50	0.05
467.6375	95.46	H	20.26	0.38	6.6	26.48	0.44	0.50	0.06

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