



TEST REPORT

Report Number : TZ0437260501FRF19
Product Name : 40 Channel AM/FM CB Radio
Model/Type reference : TRE-2617
FCC ID : M38-TRE-2617
Prepared for : Ranger Communications (M) SDN. BHD.
8716 Batu Berendam FTZ III Batu Berendam Melaka, 75350 Malaysia

Prepared By : Shenzhen Tongzhou Testing Co.,Ltd.
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Standards : FCC CFR Title 47 Part 95 Subpart D, ANSI C63.26-2015
Date of Test : 2026-05-06 ~ 2026-05-26
Date of Issue : 2026-06-03

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(Authorized Officer)



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**** Report Revise Record ****

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2026-06-03	Valid	Initial release





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1. GENERAL INFORMATION

1.1. Client Information

Applicant	: Ranger Communications (M) SDN. BHD.
Address	: 8716 Batu Berendam FTZ III Batu Berendam Melaka, 75350 Malaysia
Manufacturer	: Ranger Communications (M) SDN. BHD.
Address	: 8716 Batu Berendam FTZ III Batu Berendam Melaka, 75350 Malaysia

1.2. Description of Device (EUT)

Product Name	: 40 Channel AM/FM CB Radio
Trade Mark	: Texas Ranger
Model Number	: TRE-2617
Power Supply	: DC 13.8V
Hardware version	: EPT261701Z
Software version	: V1.0

1.3. Wireless Function Tested in this Report

CBRS	
Operation Frequency Range	: 26.965MHz to 27.405MHz
Channel bandwidth	: 10kHz
Rated Power	: 4W
Emission Designator	: 5K44A3E 5K44F3E
Modulation Technology	: FM/AM
Antenna Type And Gain	: External 50 ohm connector, 0dBi(Typical)

Note 1: Antenna position refer to EUT Photos.

Note 2: the above information was supplied by the applicant.





1.4. Description of Test Facility

FCC

Designation Number: CN1275

Test Firm Registration Number: 167722

Shenzhen Tongzhou Testing Co.,Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA

Certificate Number: 5463.01

Shenzhen Tongzhou Testing Co.,Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

IC

ISED#: 22033

CAB identifier: CN0099

Shenzhen Tongzhou Testing Co.,Ltd. has been listed by Innovation, Science and Economic Development Canada to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4 and CISPR 16-1-4:2010

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the Shenzhen Tongzhou Testing Co.,Ltd.’s quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.





1.6. Measurement Uncertainty

Test Item		Uncertainty	Note
Radiation Uncertainty(9KHz~30MHz)	:	$\pm 3.26\text{dB}$	(1)
Radiation Uncertainty(30MHz~1000MHz)	:	$\pm 3.92\text{dB}$	(1)
Radiation Uncertainty(1GHz~40GHz)	:	$\pm 5.62\text{dB}$	(1)
Occupied Channel Bandwidth	:	$\pm 3.0\%$	(1)
Audio Level	:	$\pm 0.4\%$	(1)
FM deviation	:	$\pm 1.2\%$	(1)
Frequency stability	:	$\pm 0.12\text{ppm}$	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

1.7. Frequency of Channels

No.	Frequency (MHz)	No.	Frequency (MHz)
1	26.965	21	27.215
2	26.975	22	27.255
3	26.985	23	27.235
4	27.005	24	27.235
5	27.015	25	27.245
6	27.025	26	27.265
7	27.035	27	27.275
8	27.055	28	27.285
9	27.065	29	27.295
10	27.075	30	27.305
11	27.085	31	27.315
12	27.105	32	27.325
13	27.115	33	27.335
14	27.125	34	27.345
15	27.135	35	27.355
16	27.155	36	27.365
17	27.165	37	27.375
18	27.175	38	27.385
19	27.185	39	27.395
20	27.205	40	27.405





1.8. Description of Test Modes

The EUT has been tested under operating condition.

Modulation	Channel separation	Power Level	Frequency (MHz)	Operation Description
FM	10 kHz	4W	26.965	Op1
	10 kHz	4W	27.205	Op2
	10 kHz	4W	27.405	Op3
AM	10 kHz	4W	26.965	Op4
	10 kHz	4W	27.205	Op5
	10 kHz	4W	27.405	Op6





2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.26-2015, American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services. The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen Tongzhou Testing Co.,Ltd.

2.1. EUT Configuration

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



2.2. EUT Related Submittal (s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: M38-TRE-2617** filing to comply with FCC Part 2, FCC Part 95 Subpart E of the FCC CFR 47 Rules.

2.3. Test Sample

Sample ID	Description
TZ0437260501-1#	Normal sample – continuous transmit





3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. Special Accessories

No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/ unshielded	Notes
/	/	/	/	/	/	/	/

3.3. Block Diagram/Schematics

Please refer to the related document.

3.4. Equipment Modifications

Shenzhen Tongzhou Testing Co.,Ltd. has not done any modification on the EUT.

3.5. Test Setup

Please refer to the test setup photo.





4. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Sample ID	Result
\$ 95.967 & 2.1046(a)	Transmitter Power	TZ0437260501-1#	Compliant
\$95.975 & 2.1047(a) (b)	Modulation Limit	TZ0437260501-1#	Compliant
§95.973 & 2.1049	Occupied Bandwidth	TZ0437260501-1#	Compliant
\$95.979 & 2.1051	Emission Mask	TZ0437260501-1#	Compliant
\$95.979 & 2.1051	Spurious Emission on Antenna Port	TZ0437260501-1#	Compliant
\$95.979 & 2.1053	Spurious Radiated Emission	TZ0437260501-1#	Compliant
§95.965 & 2.1055(a) (1)	Frequency Stability	TZ0437260501-1#	Compliant





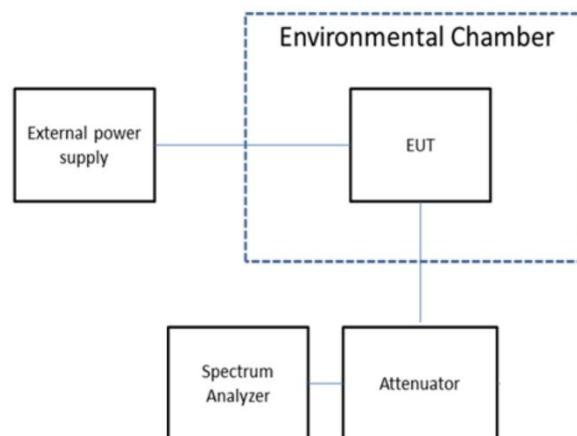
5. TEST RESULT

5.1. Frequency Stability

5.1.1. Standard Applicable

Each CBRS transmitter type must be designed such that the transmit carrier frequency (or in the case of SSB transmissions, the reference frequency) remains within 50 parts-per-million of the channel center frequencies specified in [§ 95.963](#) under all normal operating conditions.

5.1.2. Block Diagram of Test Setup



5.1.3. Test Procedures

Frequency stability versus environmental temperature

1. Setup the configuration 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 300Hz and Video Resolution Bandwidth to 1kHz and Frequency Span to 10kHz. Record this frequency as reference frequency.
3. Set the temperature of chamber to 50°C. 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°C decreased per stage until the lowest temperature -30°C is measured, record all measured frequencies on each temperature step.

Frequency stability versus input voltage

1. Setup the configuration per figure 1 for frequencies measured at temperature if it is within 15°C to 25°C. Otherwise, an environment chamber set for a temperature of 20°C shall be used. The EUT shall be powered by normal voltage.
2. Set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 300Hz 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.





5.1.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.5. Test Results

NV: Normal Voltage 13.80V

LV: Low Voltage 11.73V

HV: High Voltage 15.87V

Test Channel: 26.965MHz

Test conditions		Frequency error (ppm)
Voltage Condition	Temp(°C)	
NV	-20	3.35
	-10	3.35
	0	3.35
	10	3.35
	20	3.36
	30	3.36
	40	3.37
	50	3.37
LV	20	3.36
HV	20	3.36
Limit(ppm)		50
Result		PASS





Test Channel: 27.205MHz

Test conditions		Frequency error (ppm)
Voltage Condition	Temp(°C)	
NV	-20	3.36
	-10	3.36
	0	3.36
	10	3.37
	20	3.37
	30	3.37
	40	3.36
	50	3.36
LV	20	3.36
HV	20	3.36
Limit(ppm)		2.5
Result		PASS

Test Channel: 27.405MHz

Test conditions		Frequency error (ppm)
Voltage Condition	Temp(°C)	
NV	-20	3.35
	-10	3.35
	0	3.36
	10	3.35
	20	3.36
	30	3.37
	40	3.37
	50	3.37
LV	20	3.35
HV	20	3.35
Limit(ppm)		2.5
Result		PASS





5.2. Occupied Bandwidth and Emission Mask

5.2.1. Standard Applicable

Bandwidth requirement:

Each CBRS transmitter type must be designed such that the occupied bandwidth does not exceed the authorized bandwidth for the emission type under test.

(a) **AM and FM.** The authorized bandwidth for emission types A3E and F3E is 8 kHz.

(b) **SSB.** The authorized bandwidth for emission types J3E, R3E, and H3E is 4 kHz.

Emission Mask:

The power of unwanted emissions must be attenuated below the transmitter output power in Watts (P) as specified in the applicable paragraphs listed in the following table:

Emission type	Paragraph
A3E, F3E	(1), (3), (5), (6)
H3E, J3E, R3E	(2), (4), (5), (6)

(1) 25 dB (decibels) in the frequency band 4 kHz to 8 kHz removed from the channel center frequency;

(2) 25 dB in the frequency band 2 kHz to 6 kHz removed from the channel center frequency;

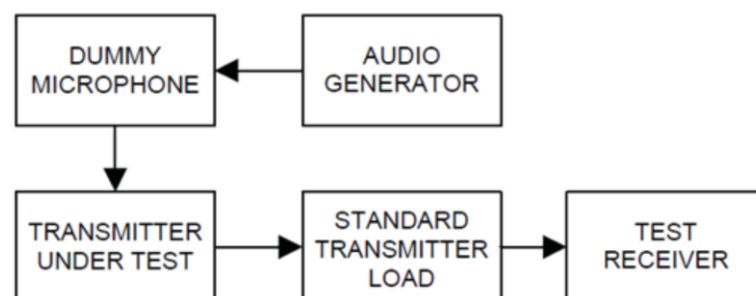
(3) 35 dB in the frequency band 8 kHz to 20 kHz removed from the channel center frequency;

(4) 35 dB in the frequency band 6 kHz to 10 kHz removed from the channel center frequency;

(5) $53 + 10 \log (P)$ dB in any frequency band removed from the channel center frequency by more than 250% of the authorized bandwidth.

(6) 60 dB in any frequency band centered on a harmonic (*i.e.*, an integer multiple of two or more times) of the carrier frequency.

5.2.2. Block Diagram of Test Setup





5.2.3. Test Procedures

- 1 The EUT was modulated by 2.5 kHz Sine wave audio signal; the level of the audio signal employed is 16 dB greater than that necessary to produce 50% of rated system deviation.
- 2 Set EUT work at continuous transmitting.
- 3 Set SPA Centre Frequency = fundamental frequency.
RBW=300Hz, VBW= 1000 Hz, span = 20 KHz.
- 4 Set SPA Max hold. Mark peak, Set 99% Occupied Bandwidth and 26dB Occupied Bandwidth.
- 5 For emission mask test
RBW=300Hz, VBW= 1000 Hz, span = 50 KHz.

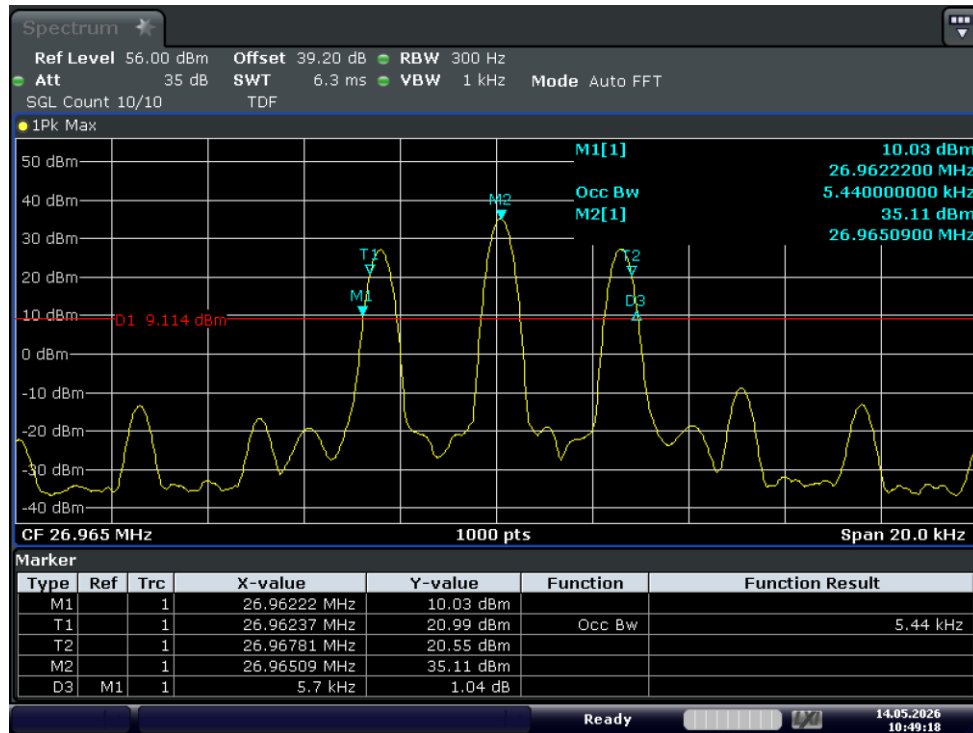
5.2.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

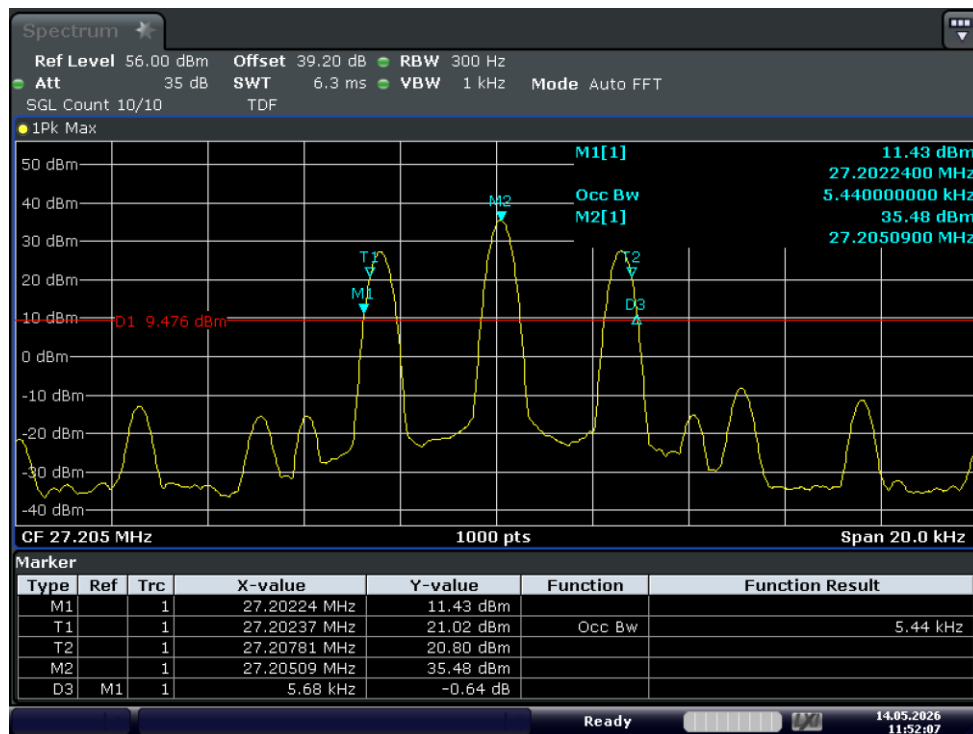
5.2.5. Test Results

Test data of Occupied Bandwidth							
Test Mode	Power Level	Channel Separation [Hz]	Test Frequency [MHz]	99% OBW [kHz]	-26dB Bandwidth [kHz]	Limit [kHz]	Verdict
AM	4W	10k	26.965	5.44	5.70	8	Pass
AM	4W	10k	27.205	5.44	5.68	8	Pass
AM	4W	10k	27.405	5.44	5.70	8	Pass
FM	4W	10k	26.965	5.44	5.64	8	Pass
FM	4W	10k	27.205	5.38	5.62	8	Pass
FM	4W	10k	27.405	5.16	5.48	8	Pass



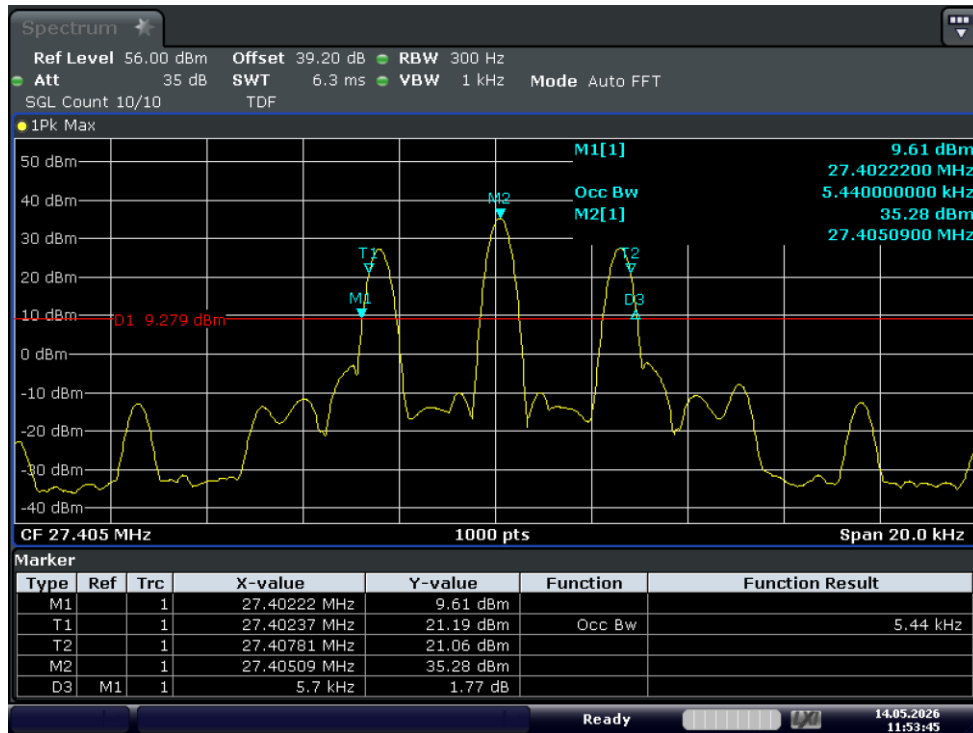


Test_Graph_AM_4W_26.965_10k_OBW

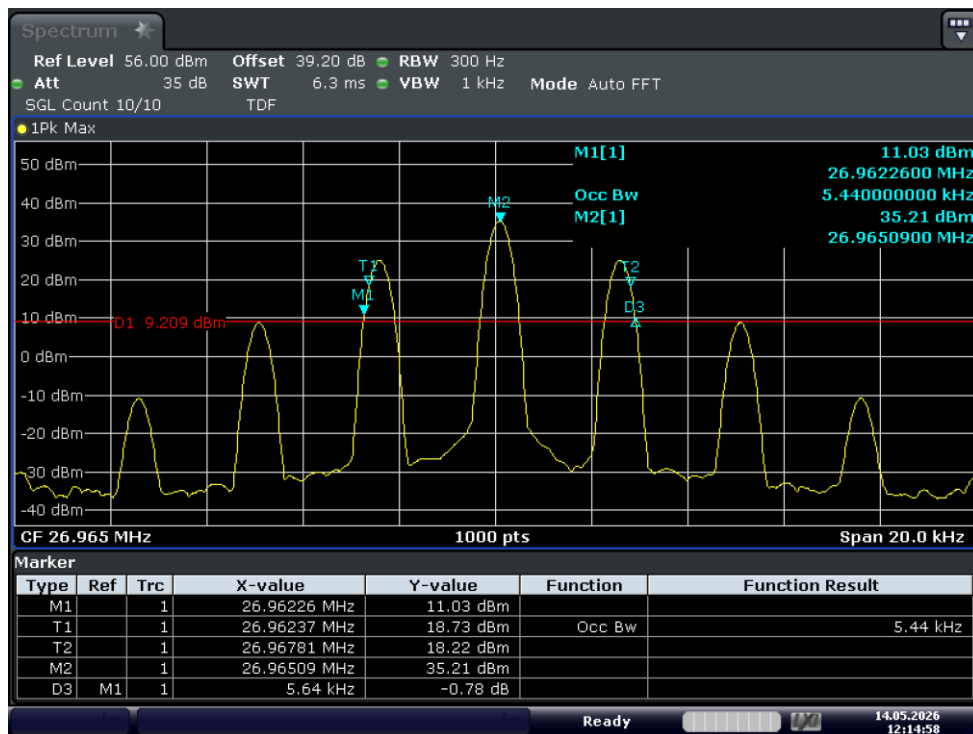


Test_Graph_AM_4W_27.205_10k_OBW



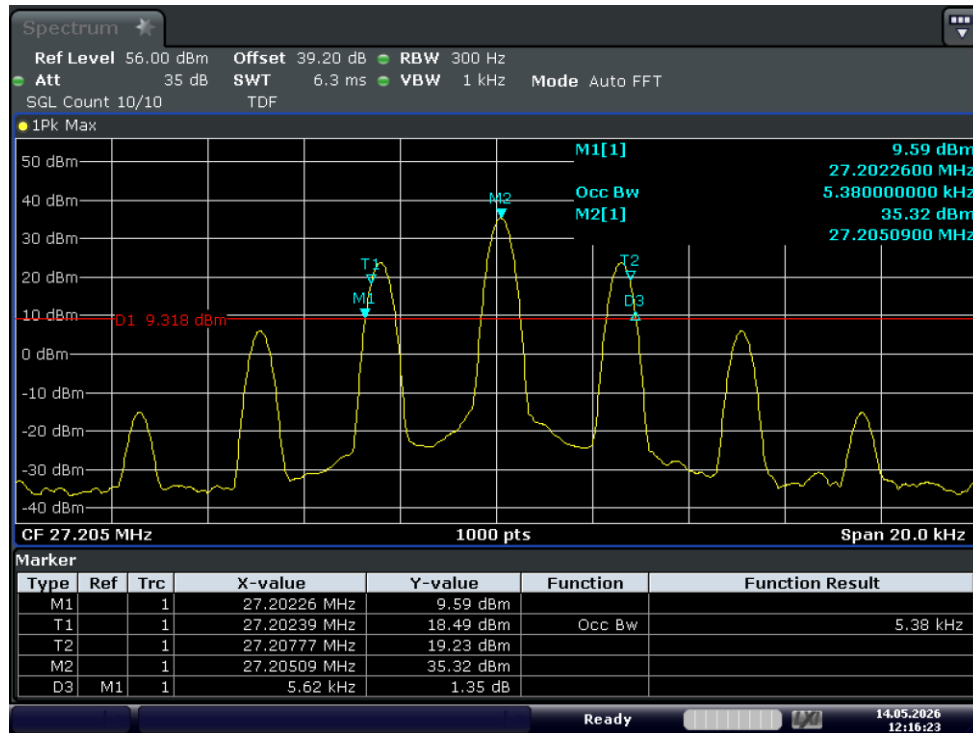


Test_Graph_AM_4W_27.405_10k_OBW

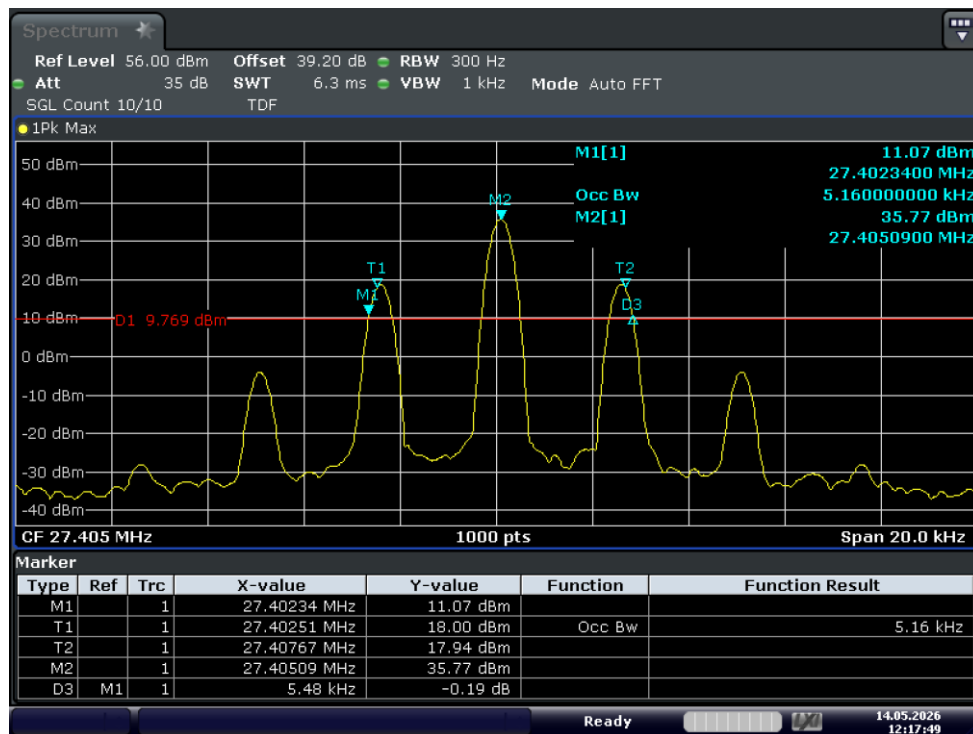


Test_Graph_FM_4W_26.965_10k_OBW





Test_Graph_FM_4W_27.205_10k_OBW

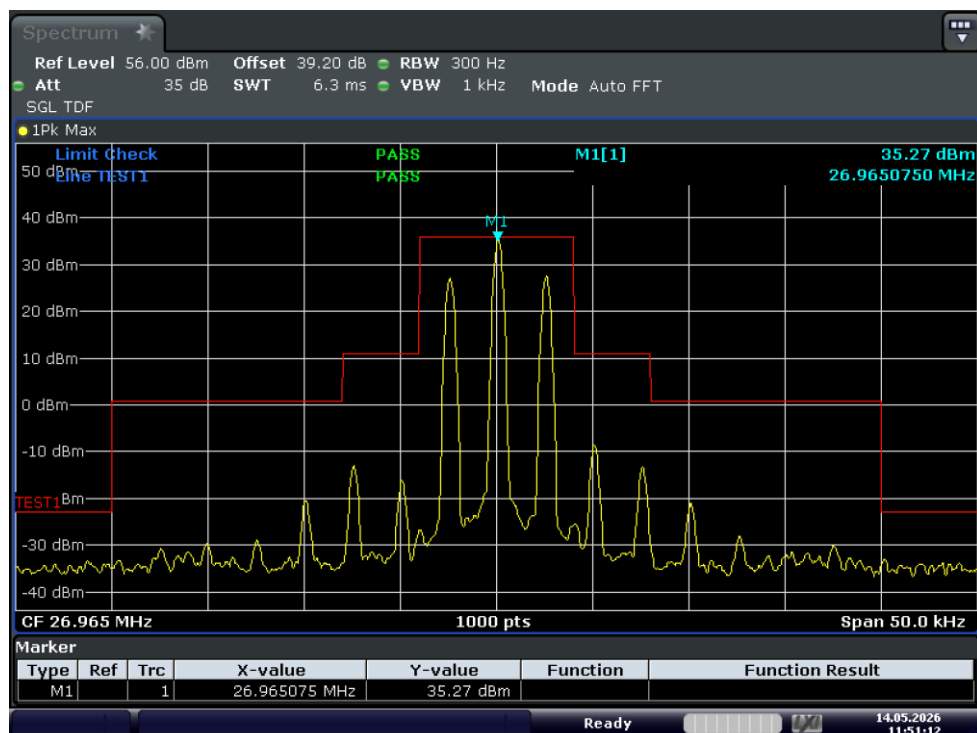


Test_Graph_FM_4W_27.405_10k_OBW



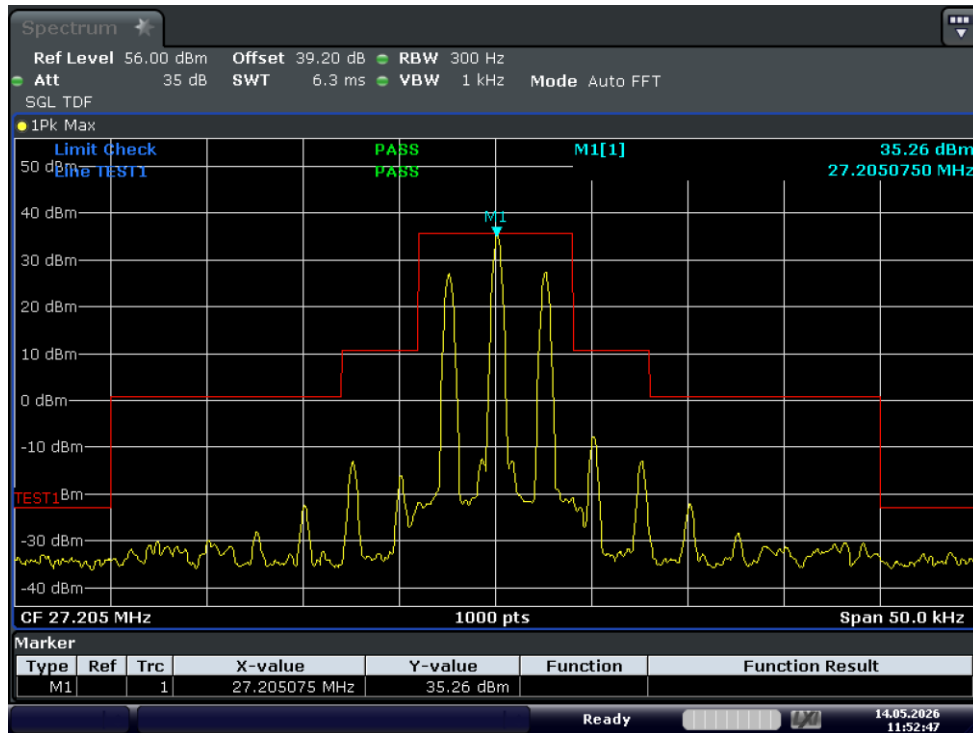


Test data of Emission Mask					
Test Mode	Power Level	Channel Separation [Hz]	Test Frequency [MHz]	Result	Verdict
AM	4W	10k	26.965	See the graph	Pass
AM	4W	10k	27.205	See the graph	Pass
AM	4W	10k	27.405	See the graph	Pass
FM	4W	10k	26.965	See the graph	Pass
FM	4W	10k	27.205	See the graph	Pass
FM	4W	10k	27.405	See the graph	Pass

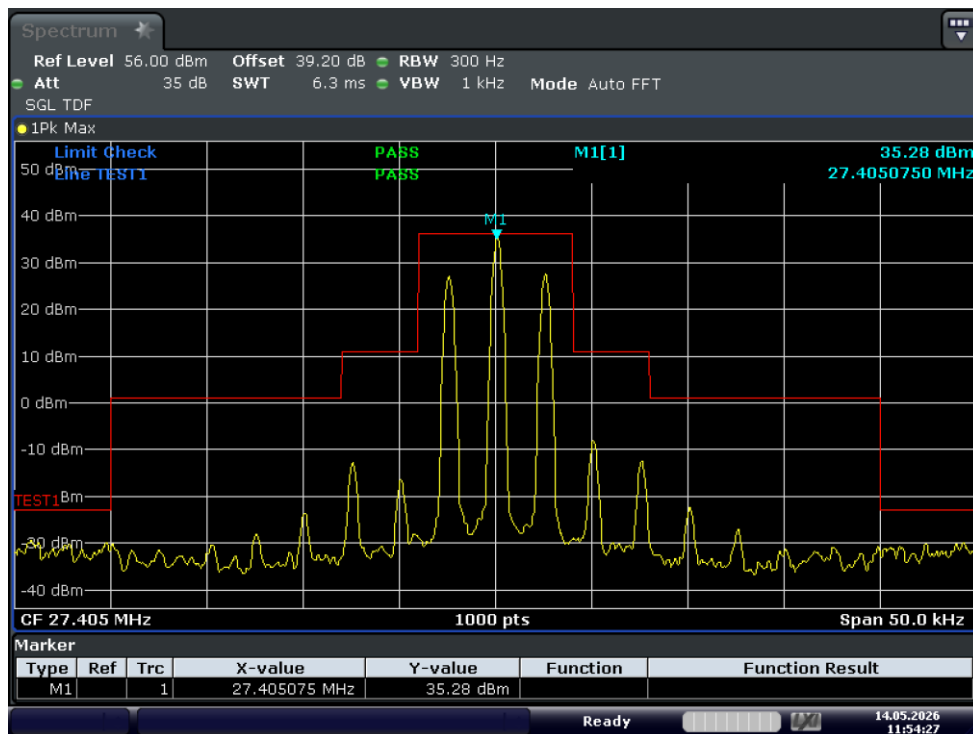


Test_Graph_AM_4W_26.965_10k_Mask_D



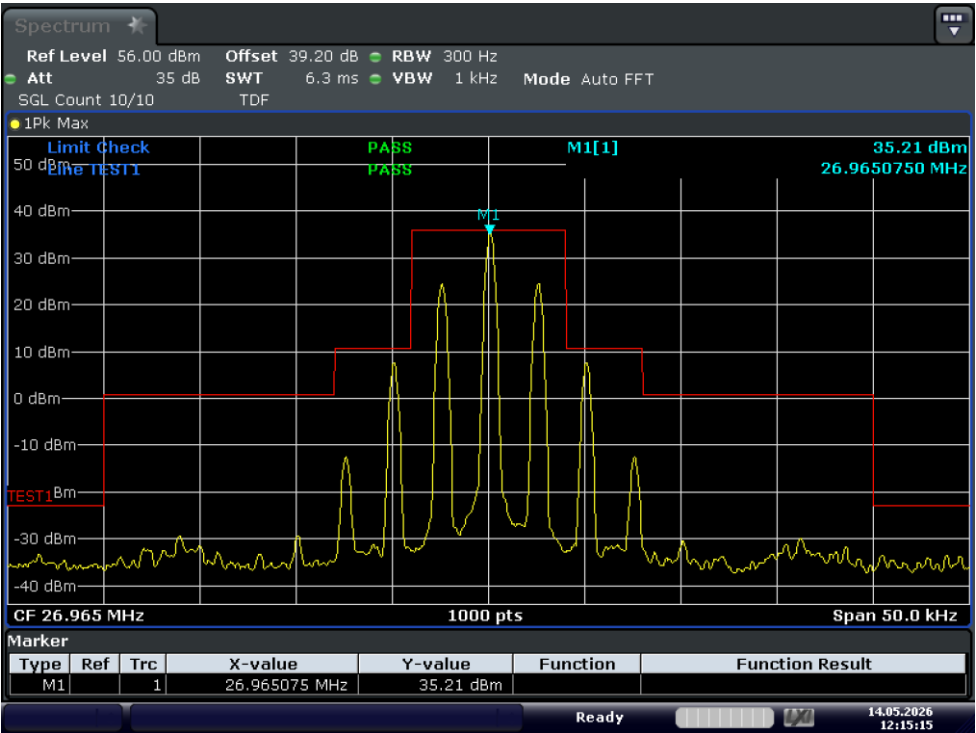


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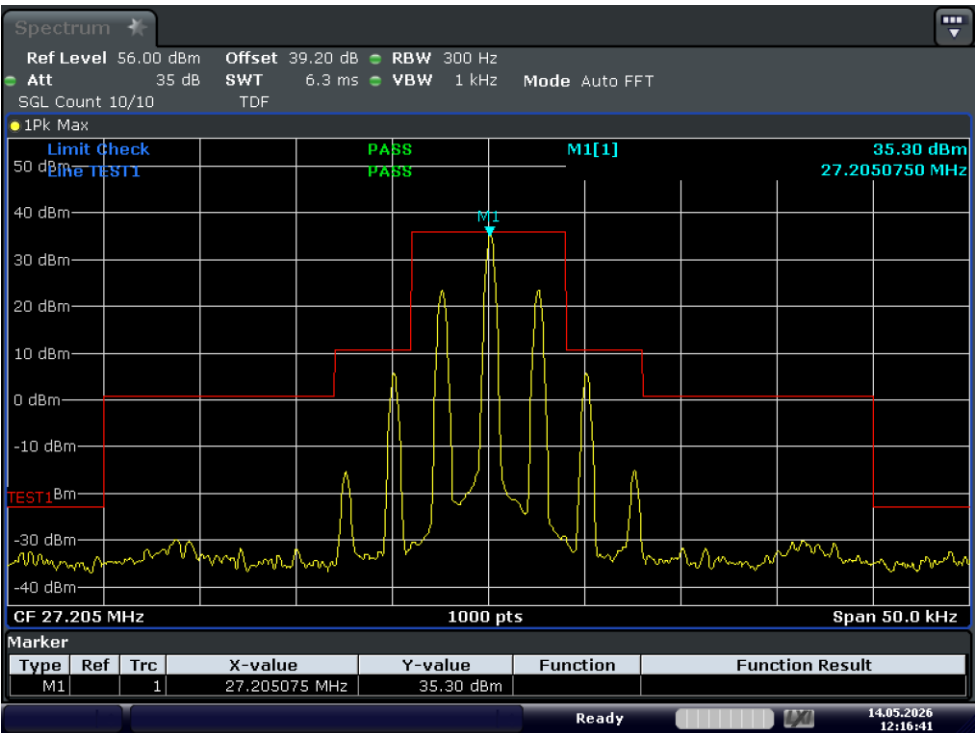


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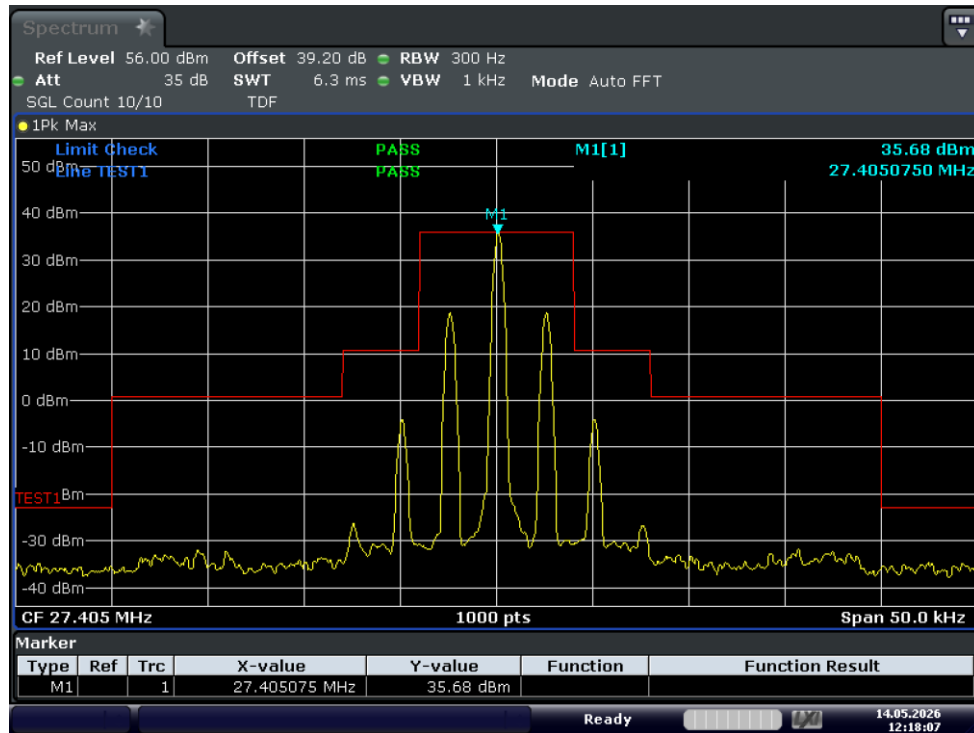


Test_Graph_FM_4W_26.965_10k_Mask_D



Test_Graph_FM_4W_27.205_10k_Mask_D





Test_Graph_FM_4W_27.405_10k_Mask_D





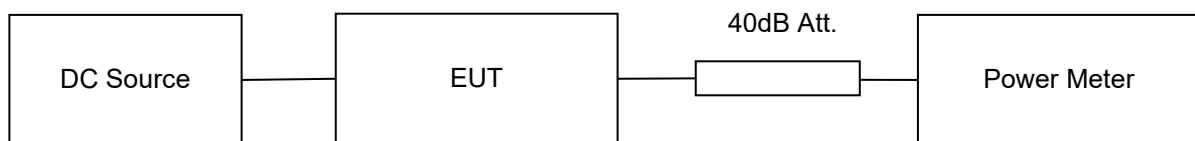
5.3. Transmitter Power

5.3.1. Standard Applicable

Each CBRS transmitter type must be designed such that the transmitter power can not exceed the following limits:

- (a) When transmitting amplitude modulated (AM) voice signals or frequency modulated (FM) voice signals, the mean carrier power must not exceed 4 Watts.
- (b) When transmitting single sideband (SSB) voice signals, the peak envelope power must not exceed 12 Watts.

5.3.2. Block Diagram of Test Setup



5.3.3. Test Procedures

- 1) The EUT transmitter connected to Power Meter using the 40 dB attenuator and power sensor with above setup.
- 2) Path loss for the measurement included.
- 3) All the measurement was done at low, mid, high frequency for each band.
- 4) Record the power into the test report.

5.3.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.5. Test Results

Test data of RF Power Output						
Test Mode	Power Level	Channel Separation [Hz]	Test Frequency [MHz]	RF Power Output [dBm]	Limit [dBm]	Verdict
AM	4W	10k	26.965	35.872	36.02	Pass
AM	4W	10k	27.205	35.714	36.02	Pass
AM	4W	10k	27.405	35.807	36.02	Pass
FM	4W	10k	26.965	35.757	36.02	Pass
FM	4W	10k	27.205	35.766	36.02	Pass
FM	4W	10k	27.405	35.780	36.02	Pass





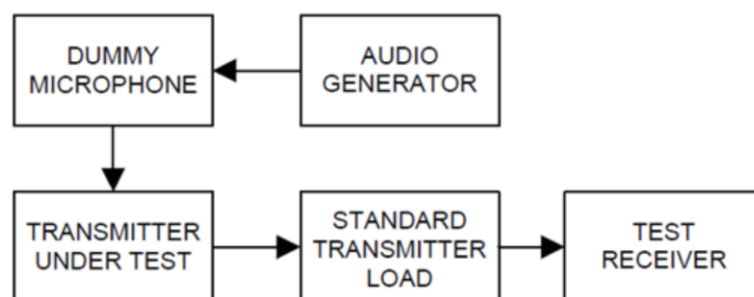
5.4. Modulation Characteristics

5.4.1. Standard Applicable

Each CBRS transmitter type must be designed such that the modulation characteristics are in compliance with the rules in this section.

- (a) When emission type A3E is transmitted with voice modulation, the modulation percentage must be at least 85%, but not more than 100%.
- (b) When emission type A3E is transmitted by a CBRS transmitter having a transmitter output power of more than 2.5 W, the transmitter must contain a circuit that automatically prevents the modulation percentage from exceeding 100%.
- (c) When emission type F3E is transmitted the peak frequency deviation shall not exceed ± 2 kHz.

5.4.2. Block Diagram of Test Setup



5.4.3. Test Procedures

Modulation Limit

1. Test layout and build equipment as shown above.
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 above.
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 = $20\log_{10} (\text{Deviation of test frequency} / \text{Deviation of 1 kHz reference})$.

5.4.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

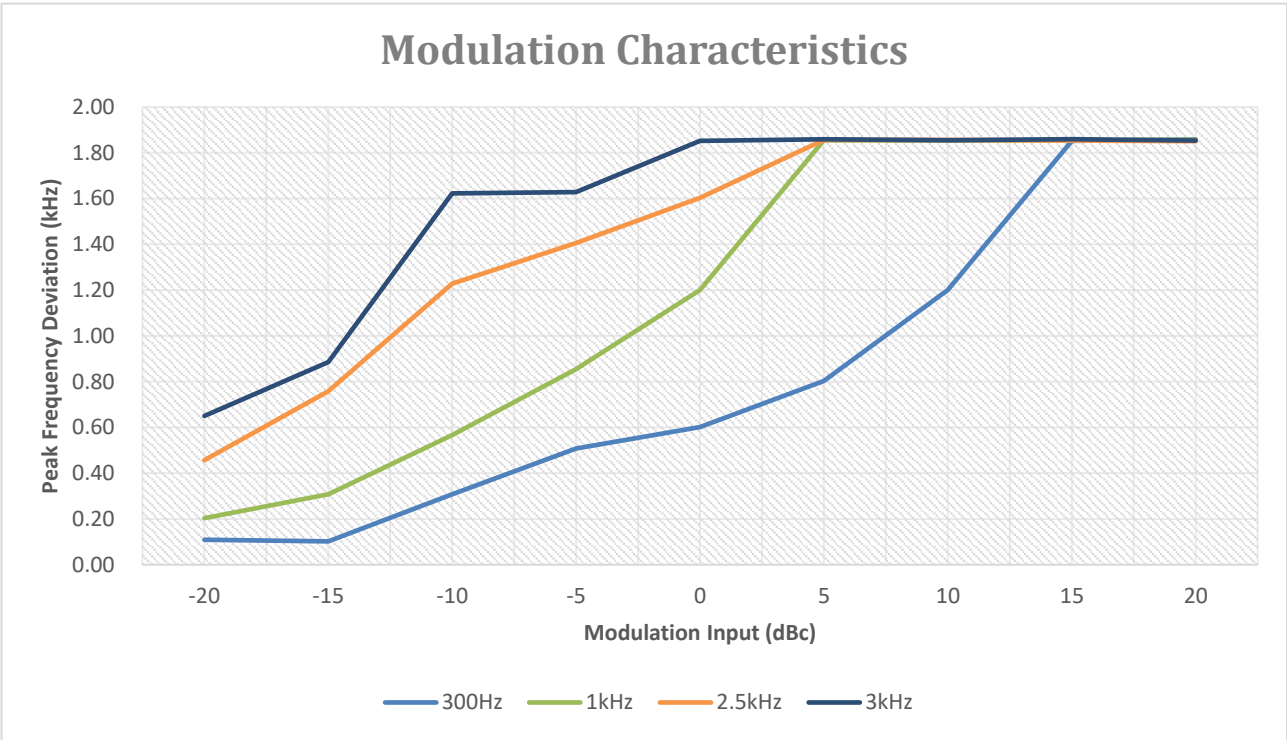




5.4.5. Test Results

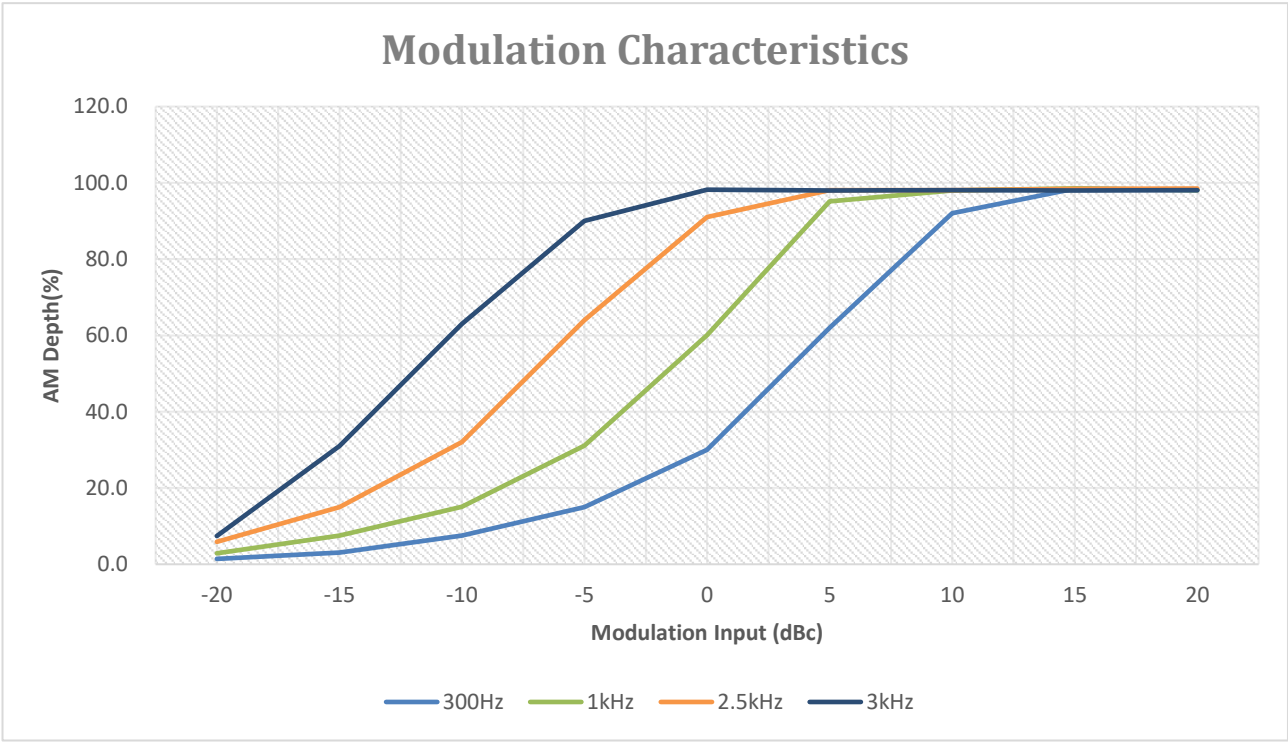
Modulation Limit:

Test Frequency: 27.205MHz FM				
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	0.10	0.21	0.46	0.66
-15	0.11	0.30	0.75	0.89
-10	0.30	0.56	1.23	1.63
-5	0.51	0.86	1.40	1.63
0	0.60	1.20	1.60	1.86
+5	0.81	1.86	1.86	1.86
+10	1.20	1.85	1.85	1.85
+15	1.86	1.86	1.85	1.86
+20	1.85	1.86	1.86	1.85





Test Frequency: 27.205MHz AM				
Modulation Level (dB)	AM Depth(%) At 300 Hz	AM Depth(%) At 1000 Hz	AM Depth(%) At 2500 Hz	AM Depth(%) At 3000 Hz
-20	1.5	2.8	5.9	7.5
-15	3.0	7.6	15.0	31.0
-10	7.6	15.1	32.1	63.0
-5	15.1	31.0	64.0	90.0
0	30.0	60.0	91.0	98.1
+5	62.1	95.1	98.0	98.0
+10	92.0	98.1	98.1	98.0
+15	98.5	98.6	98.5	98.0
+20	98.0	98.0	98.5	98.2





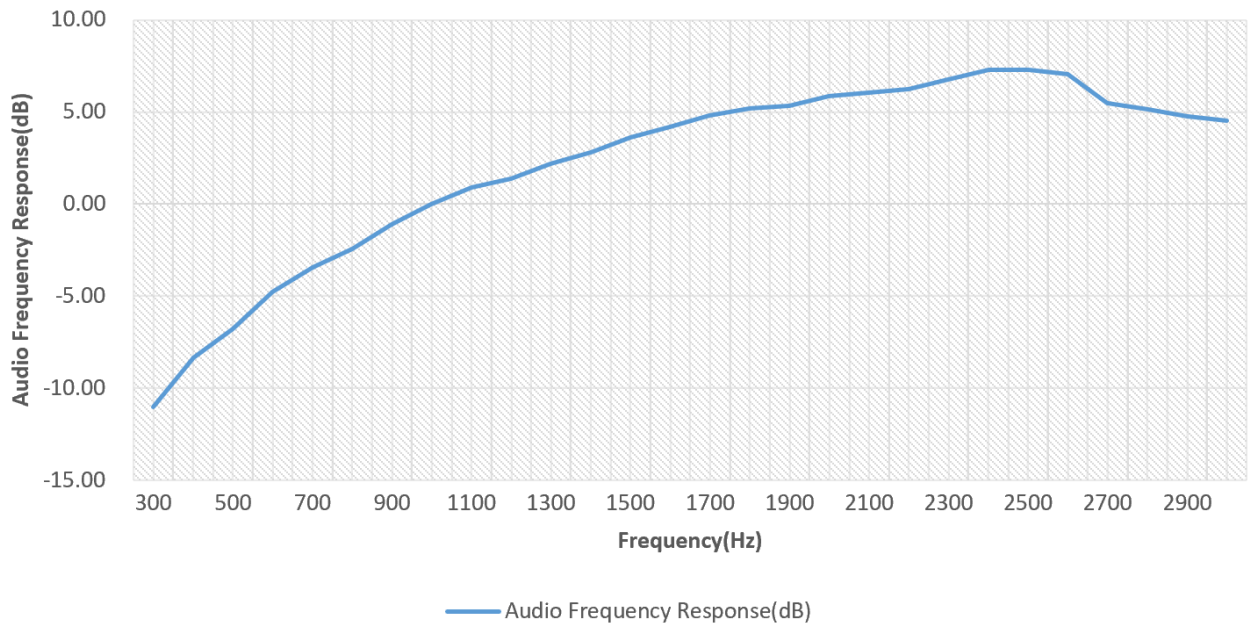
Audio Frequency Response:

Test Frequency: 27.205MHz FM	
Frequency (Hz)	Audio Frequency Response(dB)
300	-11.03
400	-8.33
500	-6.76
600	-4.77
700	-3.43
800	-2.45
900	-1.12
1000	-0.02
1100	0.88
1200	1.40
1300	2.20
1400	2.83
1500	3.64
1600	4.19
1700	4.81
1800	5.22
1900	5.36
2000	5.86
2100	6.07
2200	6.23
2300	6.77
2400	7.28
2500	7.28
2600	7.08
2700	5.47
2800	5.17
2900	4.75
3000	4.52





Audio Frequency Response



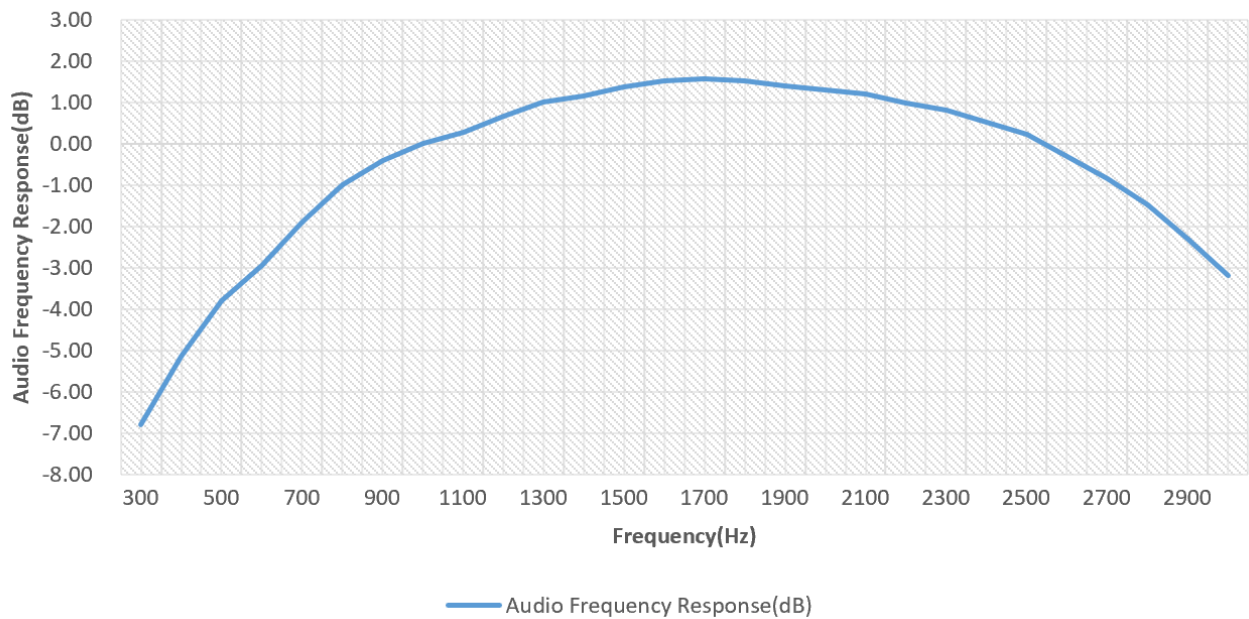


Test Frequency: 27.205MHz AM	
Frequency (Hz)	Audio Frequency Response(dB)
300	-6.79
400	-5.13
500	-3.78
600	-2.93
700	-1.89
800	-0.99
900	-0.40
1000	0.01
1100	0.29
1200	0.68
1300	1.02
1400	1.17
1500	1.39
1600	1.52
1700	1.59
1800	1.53
1900	1.41
2000	1.31
2100	1.20
2200	1.00
2300	0.81
2400	0.53
2500	0.23
2600	-0.31
2700	-0.83
2800	-1.48
2900	-2.31
3000	-3.17





Audio Frequency Response





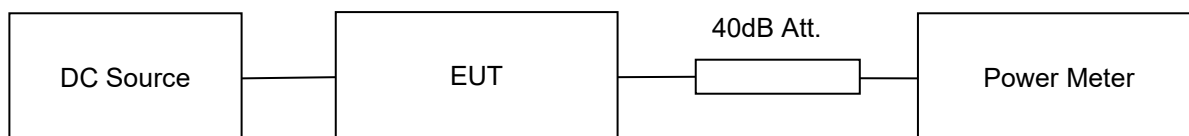
5.5. Spurious Emission on Antenna Port

5.5.1. Standard Applicable

53 + 10 log (P) dB in any frequency band removed from the channel center frequency by more than 250% of the authorized bandwidth.

60 dB in any frequency band centered on a harmonic (*i.e.*, an integer multiple of two or more times) of the carrier frequency.

5.5.2. Block Diagram of Test Setup



5.5.3. Test Procedures

- 1) Connect the equipment as illustrated.
- 2) Set EUT working in continuous mode in low, middle, high frequency, read and record the peak power value.

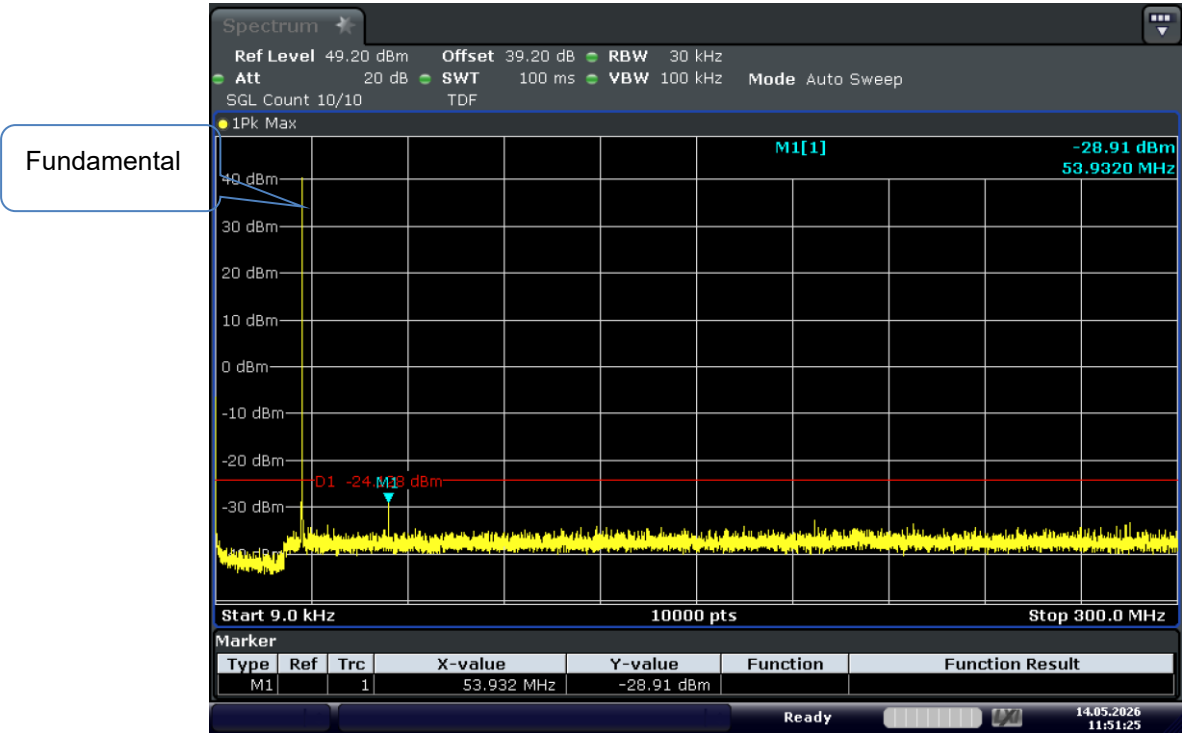
5.5.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

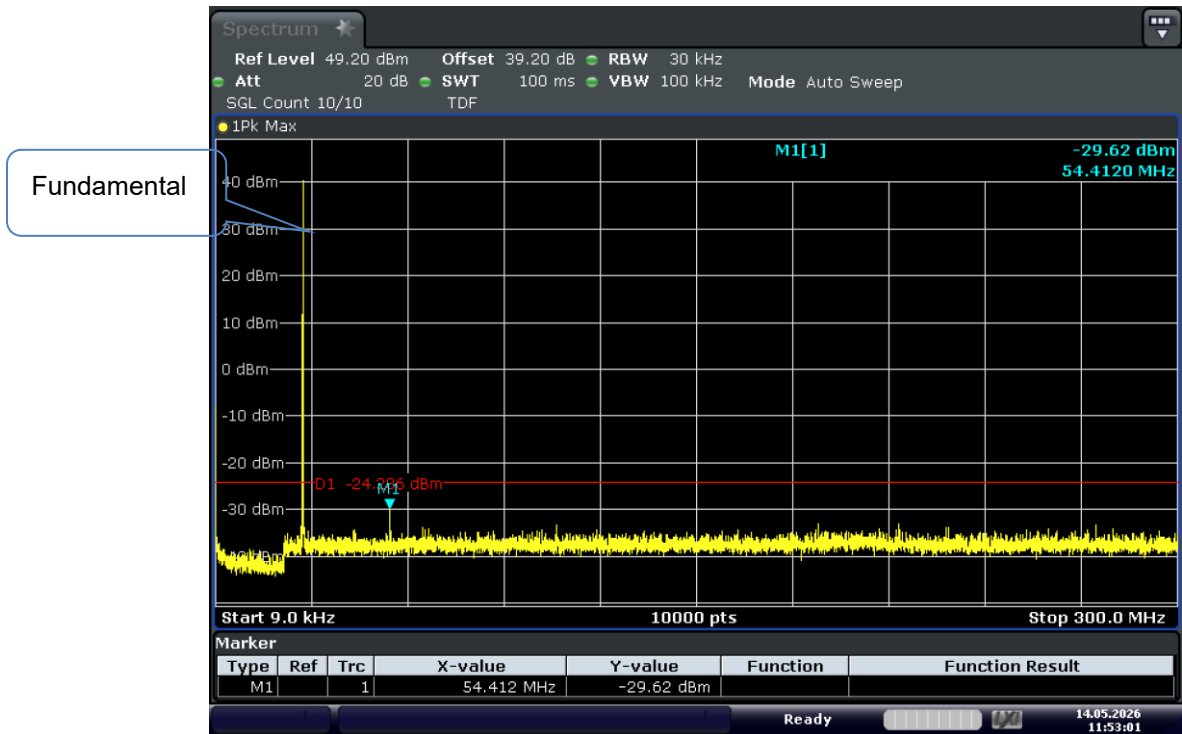




5.5.5. Test Results



Test_Graph_AM_4W_26.965_10k_TX_0.03G-0.3G

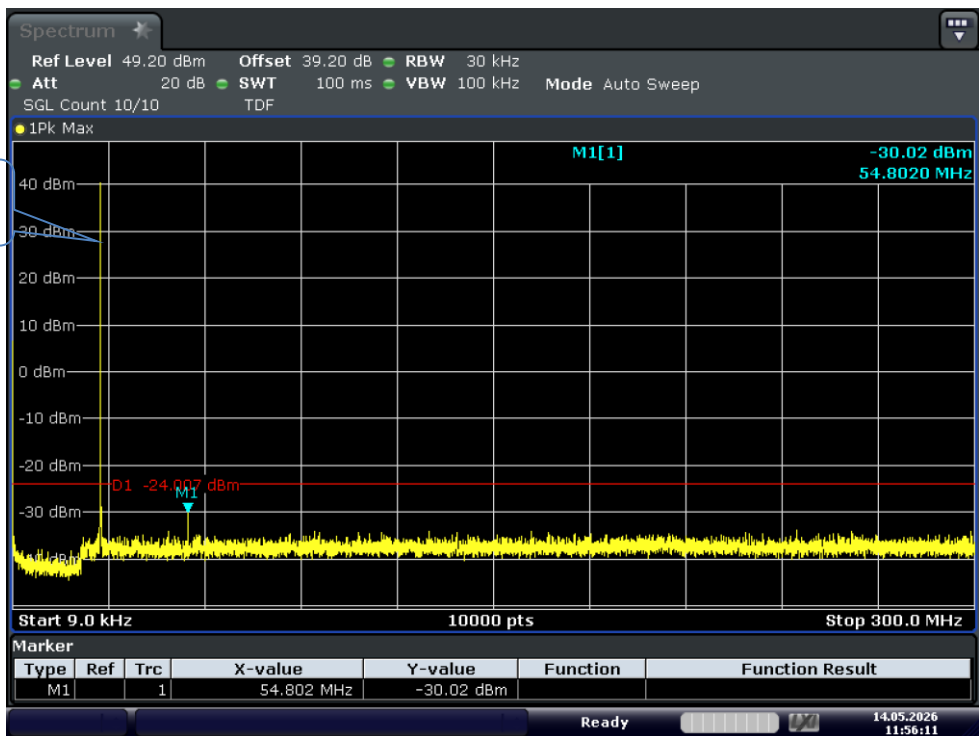


Test_Graph_AM_4W_27.205_10k_TX_0.03G-0.3G



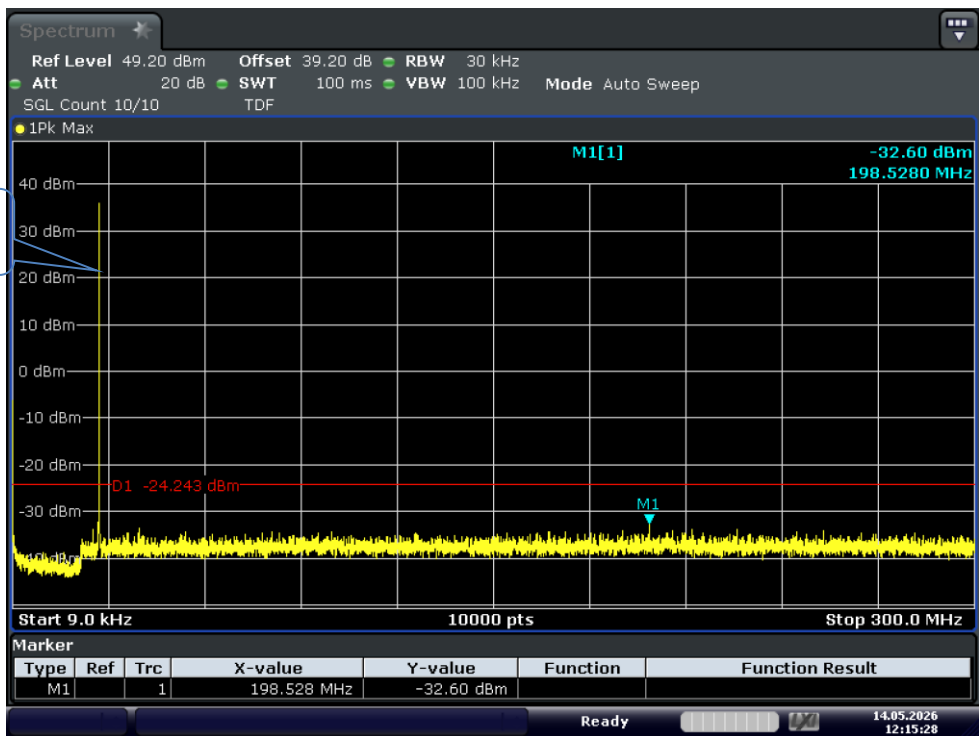


Fundamental



Test_Graph_AM_4W_27.405_10k_TX_0.03G-0.3G

Fundamental

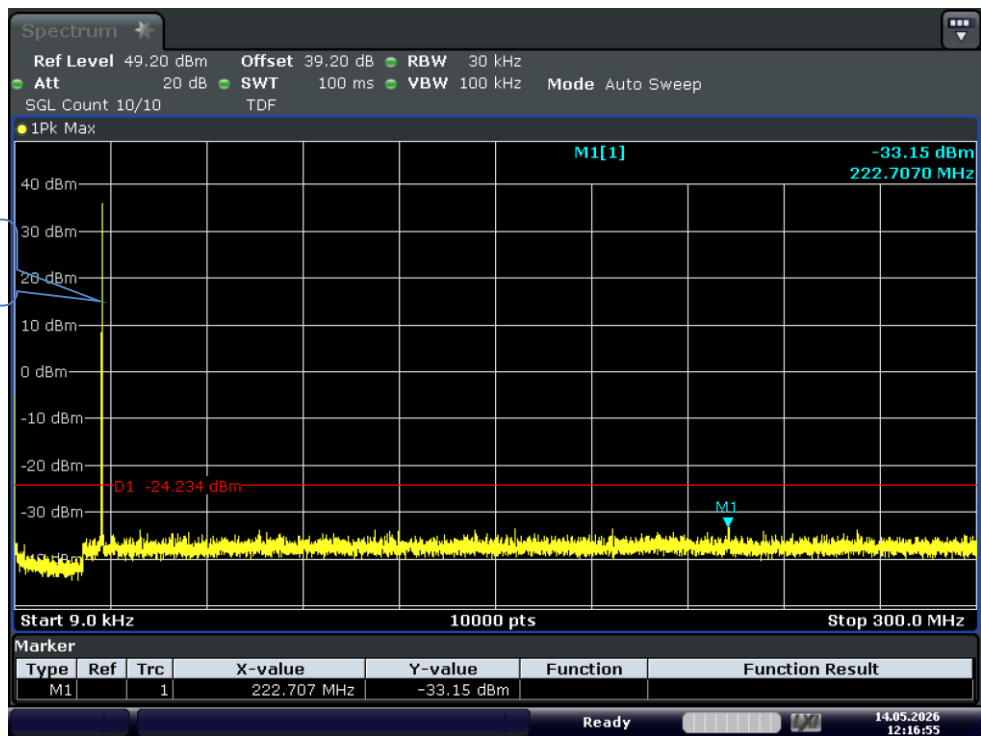


Test_Graph_FM_4W_26.965_10k_TX_0.03G-0.3G



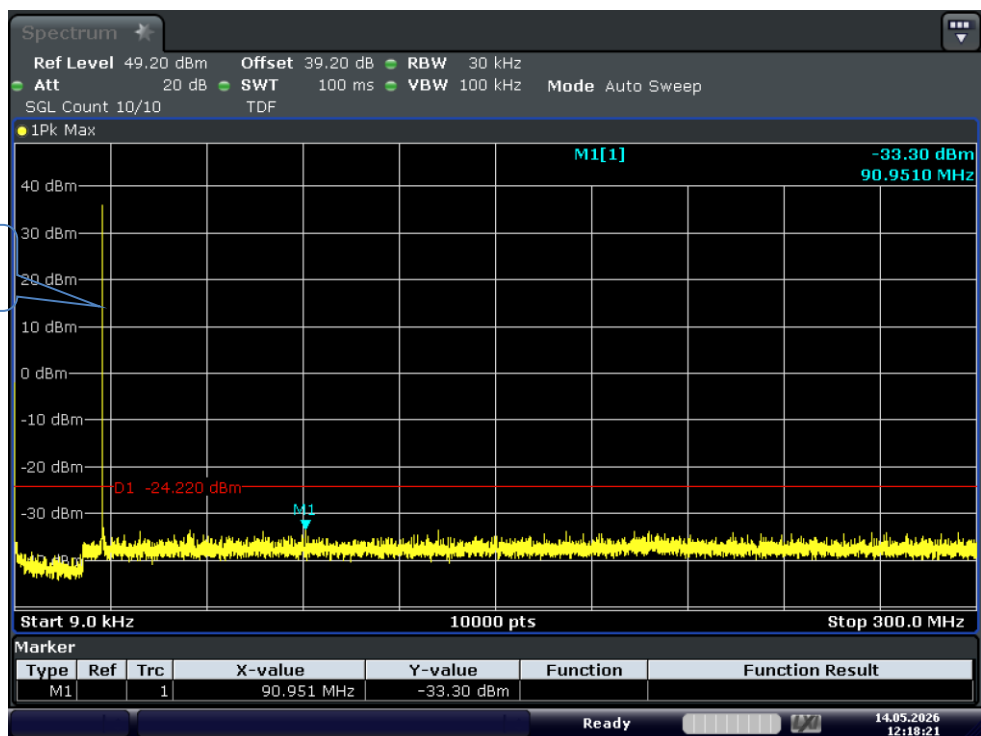


Fundamental



Test_Graph_FM_4W_27.205_10k_TX_0.03G-0.3G

Fundamental



Test_Graph_FM_4W_27.405_10k_TX_0.03G-0.3G





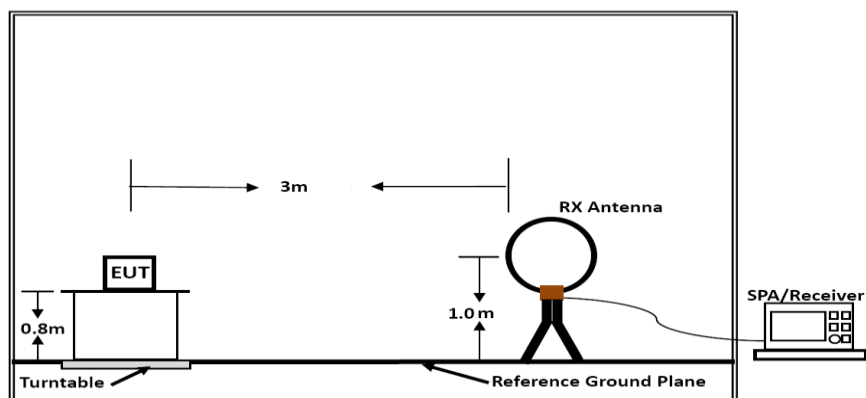
5.6. Spurious Radiated Emission

5.6.1. Standard Applicable

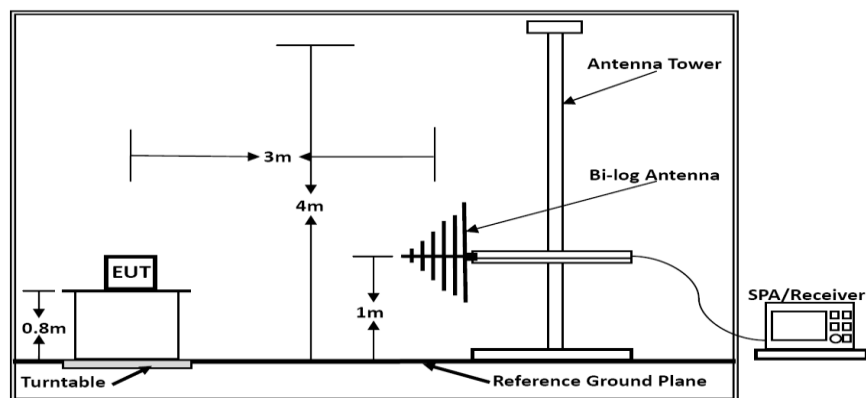
53 + 10 log (P) dB in any frequency band removed from the channel center frequency by more than 250% of the authorized bandwidth.

60 dB in any frequency band centered on a harmonic (*i.e.*, an integer multiple of two or more times) of the carrier frequency.

5.6.2. Block Diagram of Test Setup



Below 30MHz



Below 1GHz





5.6.3. Test Procedures

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

Cables or wires inclusive to the EUT shall be configured so as to maximize the measured emission levels. The EUT controls shall also be adjusted to maximize the emission according to the manufacturer's specifications. The modulation applied shall be based on the guidance provided in the manufacturer's specifications. When necessary, field strength measurements shall be converted to ERP or EIRP for comparison to the applicable regulatory limits.

$E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$

$\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$, where D is the measurement distance (in the farfield region) in m.

5.6.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



**5.6.5. Test Results**

Test Frequency: 26.965MHz				Channel Separation:10kHz			
Frequency (MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Correction (dB)	Values (dBm)	Limit (dBm)	Polarization
53.93	-30.37	0.23	4.21	2.15	-28.54	-24.128	H
80.90	-39.20	0.34	4.35	2.15	-37.34	-24.128	H
107.86	-33.73	0.53	4.42	2.15	-31.99	-24.128	H
...	...	...	...	...	...	...	H
53.93	-30.31	0.23	4.21	2.15	-28.48	-24.128	V
80.90	-37.48	0.34	4.35	2.15	-35.62	-24.128	V
107.86	-35.09	0.53	4.42	2.15	-33.35	-24.128	V
...	...	...	...	...	...	...	V

Test Frequency: 27.205MHz				Channel Separation:10kHz			
Frequency (MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Correction (dB)	Values (dBm)	Limit (dBm)	Polarization
54.41	-29.14	0.23	4.21	2.15	-27.31	-24.286	H
81.62	-39.00	0.34	4.35	2.15	-37.14	-24.286	H
108.82	-35.25	0.53	4.42	2.15	-33.51	-24.286	H
...	...	...	...	...	...	...	H
54.41	-28.70	0.23	4.21	2.15	-26.87	-24.286	V
81.62	-37.36	0.34	4.35	2.15	-35.50	-24.286	V
108.82	-33.87	0.53	4.42	2.15	-32.13	-24.286	V
...	...	...	...	...	...	...	V

Test Frequency: 27.405MHz				Channel Separation:10kHz			
Frequency (MHz)	P _{Mea} (dBm)	Path Loss	Antenna Gain	Correction (dB)	Values (dBm)	Limit (dBm)	Polarization
54.81	-28.99	0.23	4.21	2.15	-27.16	-24.007	H
82.22	-37.79	0.34	4.35	2.15	-35.93	-24.007	H
109.62	-35.60	0.53	4.42	2.15	-33.86	-24.007	H
...	...	...	...	...	...	...	H
54.81	-29.43	0.23	4.21	2.15	-27.60	-24.007	V
82.22	-38.52	0.34	4.35	2.15	-36.66	-24.007	V
109.62	-34.80	0.53	4.42	2.15	-33.06	-24.007	V
...	...	...	...	...	...	...	V

Note: All test channels were evaluated, and AM mode was selected as the worst-case condition for reporting.





6. LIST OF MEASURING EQUIPMENTS

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
1	EMI Test Receiver	R&S	ESCI-7	100849/003	2026-01-11	2027-01-10
2	Signal Generator	Keysight	N5182A	MY4620709	2026-01-11	2027-01-10
3	Signal Generator	R&S	SML03	102924/0013	2026-01-11	2027-01-10
4	Climate Chamber	KRUOMR	KRM-1000	KRM16072901	2026-01-11	2027-01-10
5	RF COMMUNICATION TEST SET	HP	8921A	3430A01131	2026-01-11	2027-01-10
6	Wideband Antenna	schwarzbeck	VULB 9163	958	2025-10-18	2028-10-17
7	Wideband Antenna	Sunol	JB3	A020115	2025-10-18	2028-10-17
8	Amplifier	schwarzbeck	BBV 9743	209	2025-10-18	2028-10-17
9	Amplifier	Tonscend	TSAMP-0518SE	--	2026-01-11	2027-01-10
10	50Ω RF Load	MKRF	RFA001	RFA001	2026-01-11	2027-01-10
11	Attenuator	JS	RFA004	RFA004	2026-01-11	2027-01-10
12	Controller	MF	MF7802	N/A	N/A	N/A
13	Spectrum Analyzer	R&S	FSV40	101321	2026-01-11	2027-01-10
14	DC power supply	Chroma	RXN-305D	62012PD02811	2026-01-11	2027-01-10
15	Test Software	Tonscend	JS36-RSE	V5.0.0.0	N/A	N/A





7. TEST SETUP Photographs of EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT-----

