



TEST REPORT

Reference No...... : WTU26D02040334W002
IC..... : 35261-CVS0401
Applicant..... : Coolr Group Inc
Address..... : 4451 Brookfield Corporate Dr. Suite 111, Chantilly, VA 20151, USA
Manufacturer : MIOT Wireless Solutions Co., Ltd.
Address..... : Room 602, Building No.14, InnoWing Valley, No.135 Zhangji Road,
Kunshan, Suzhou, Jiangsu, China.
Product..... : VistaZ
PMN : VistaZ Power, VistaZ Go
Model No..... : CVP-0401, CVG-0401
HVIN..... : CVP-0401, CVG-0401
Standards..... : RSS-247 Issue 4: July 24, 2025
RSS-Gen Issue 5: April 2018 +A1: March 2019 +A2: February 2021
Date of Receipt Sample : 2026-02-26
Date of Test..... : 2026-03-04 to 2026-03-24
Date of Issue..... : 2026-03-30
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTU26D02040334W002	2026-02-26	2026-03-04 to 2026-03-24	2026-03-30	Original	-	Valid

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4 General Information

4.1 General Description of E.U.T.

Product: VistaZ

Model(s): CVP-0401, CVG-0401

Model Description: Only the model name, power supply configurations and PMN are different.
These devices will be listed in the application under the following exact model numbers:
CVP-0401 (Marketed as: VistaZ Power)
CVG-0401 (Marketed as: VistaZ Go)
The only differences between these two models are strictly related to the power supply configurations:
CVP-0401 utilizes a DC power input of up to 24V and includes an internal battery for backup power.
CVG-0401 utilizes [3xAA batteries based power supply without the 24V DC input].
The model CVP-0401 was tested in this report.

Test Sample No.: 1-1/1

Bluetooth Version: v5.1

Hardware Version: V2.0 Rev0.3

Software Version: v06.04.51

4.2 Details of E.U.T.

Operation Frequency: 2402~2480MHz

Max. RF output power: LE 1M: 4.09dBm, LE 2M: 4.10dBm

Type of Modulation: GFSK

Antenna installation: Ceramic Antenna

Antenna Gain: 2.93dBi

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Ratings: DC 12-24V for CVP-0401

Battery: DC 3.7V by battery for CVP-0401
DC 4.5V by 3*AA battery for CVG-0401



4.3 Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2404	2	2406	3	2408
4	2410	5	2412	6	2414	7	2416
8	2418	9	2420	10	2422	11	2424
12	2426	13	2428	14	2430	15	2432
16	2434	17	2436	18	2438	19	2440
20	2442	21	2444	22	2446	23	2448
24	2450	25	2452	26	2454	27	2456
28	2458	29	2460	30	2462	31	2464
32	2466	33	2468	34	2470	35	2472
36	2474	37	2476	38	2478	39	2480

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4.4 Test Facility

The test facility has a test site registered with the following organizations:

ISED CAB identifier: CN0013. Test Firm Registration No.: 7760A.

Waltek Testing Group Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files.

Registration number 7760A, October 15, 2016.

FCC Designation No.: CN1201. Test Firm Registration No.: 523476.

Waltek Testing Group 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. Registration number 523476, September 10, 2019.

4.5 Subcontracted

Whether parts of tests for the product have been subcontracted to other labs:

☐ Yes ☒ No

If Yes, list the related test items and lab information:

Test Lab: N/A

Lab address: N/A

Test items: N/A

4.6 Abnormalities from Standard Conditions

None.

4.7 Test Mode

Tests Carried Out Under RSS-247

Test Items	Mode	Data Rate	Channel	TX/RX
Maximum Peak Output Power and EIRP	Bluetooth LE	1/2Mbps	0/19/39	TX
Power Spectral Density	Bluetooth LE	1/2Mbps	0/19/39	TX
6dB Bandwidth and 99% Bandwidth	Bluetooth LE	1/2Mbps	0/19/39	TX
Band Edge	Bluetooth LE	1/2Mbps	0/19/39	TX
Transmitter Spurious Emissions	Bluetooth LE	1/2Mbps	0/19/39	TX

Note: Parameters set by test software during channel & power tests, the software provided by the applicant was used to set the operating channels as well as the maximum output power level. The RF output power set is the power expected by the manufacturer and is going to be fixed on the firmware of the final product.



5 Test Summary

Test Items	Test Requirement	Result
Conducted Emissions	RSS-Gen 8.8	PASS
Radiated Emissions	RSS-Gen 8.9 RSS-Gen 8.10 RSS-247 5.5	PASS
Conducted Spurious Emissions	RSS-247 5.5	PASS
Band Edge	RSS-Gen 8.10 RSS-247 5.5	PASS
6dB Bandwidth and 99% Bandwidth	RSS-247 5.2(a)	PASS
Maximum Peak Output Power and EIRP	RSS-247 5.4(d)	PASS
Power Spectral Density	RSS-247 5.2(b)	PASS
Antenna Requirement	RSS-Gen 6.8	PASS
RF Exposure	RSS-102	PASS

Note: Pass=Compliance; NC=Not Compliance; NT=Not Tested; N/A=Not Applicable.

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6 Equipment Used during Test

6.1 Equipments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date	Calibration Due Date
Conducted Emissions 1#						
1	EMI Test Receiver	R&S	ESCI	100947	2025-07-04	2026-07-03
2	LISN	R&S	ENV216	100115	2025-06-03	2026-06-02
3	Cable	Top	TYPE16(3.5M)	-	2025-06-03	2026-06-02
3m Semi-anechoic Chamber for Radiation Emissions 1#						
1	Spectrum Analyzer	R&S	FSP30	100091	2025-04-19	2026-04-18
2	Amplifier	Agilent	8447D	2944A10178	2025-07-04	2026-07-03
3	Tri-log Broadband Antenna	SCHWARZBECK	VULB9163	336	2025-07-20	2026-07-19
4	Coaxial Cable	Top	TYPE16(13M)	-	2025-04-19	2026-04-18
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1314	2025-08-09	2026-08-08
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	2025-07-04	2026-07-03
7	Broadband Preamplifier	COMPLIANCE	PAP-1G18	2004	2025-07-04	2026-07-03
8	Coaxial Cable	Top	ZT26-NJ-NJ-8M/FA	-	2025-04-19	2026-04-18
9	Microwave Amplifier	SCHWARZBECK	BBV 9721	100472	2025-07-04	2026-07-03
10	Coaxial Cable	Top	ZT40-2.92J-2.92J-2.0M	17100919	2025-04-19	2026-04-18
3m Semi-anechoic Chamber for Radiation Emissions 2#						
1	Test Receiver	R&S	ESCI	101296	2025-04-19	2026-04-18
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	2025-07-05	2026-07-04
3	Active Loop Antenna	Com-Power	AL-130R	10160007	2025-04-21	2026-04-20
4	Amplifier	ANRITSU	MH648A	M43381	2025-04-19	2026-04-18
5	Cable	HUBER+SUHNER	CBL2	525178	2025-04-19	2026-04-18
RF Conducted Testing						
1	Spectrum Analyzer	R&S	FSP40	100501	2025-04-19	2026-04-18
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025-07-05	2026-07-04
3	Power Sensor	TST	TSCB562R2	-	2025-12-05	2026-12-04

Test Software:

Test Item	Software name	Software version
Conduction disturbance Radiated Emission(3m)	EZ-EMC	EZ-EMC(RA-03A1-1)
RF Conducted Testing	TST-301	V2.0



6.2 Description of Support Units

Equipment	Manufacturer	Model No.	Series No.
/	/	/	/

6.3 Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-6}$
RF Power	± 1.0 dB
RF Power Density	± 2.2 dB
Radiated Spurious Emissions test	± 5.03 dB (Bilog antenna 30M~1000MHz)
	± 5.47 dB (Horn antenna 1000M~25000MHz)
Conducted Emissions test	± 3.64 dB (AC mains 150KHz~30MHz)
Conducted Spurious Emissions test	± 3.12 dB (150KHz~30MHz)
	± 4.21 dB (30M~1000MHz)
	± 5.14 dB (1000M~26500MHz)
Confidence interval: 95%. Confidence factor:k=2	

6.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R. China.

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7 Conducted Emission

Test Requirement: RSS-Gen 8.8
 Test Method: ANSI C63.10-2020
 Test Result: PASS
 Frequency Range: 150kHz to 30MHz
 Limit:

Frequency (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 to 0.5	66 to 56*	56 to 46*
0.5 to 5	56	46
5 to 30	60	50

*Decreases with the logarithm of the frequency.

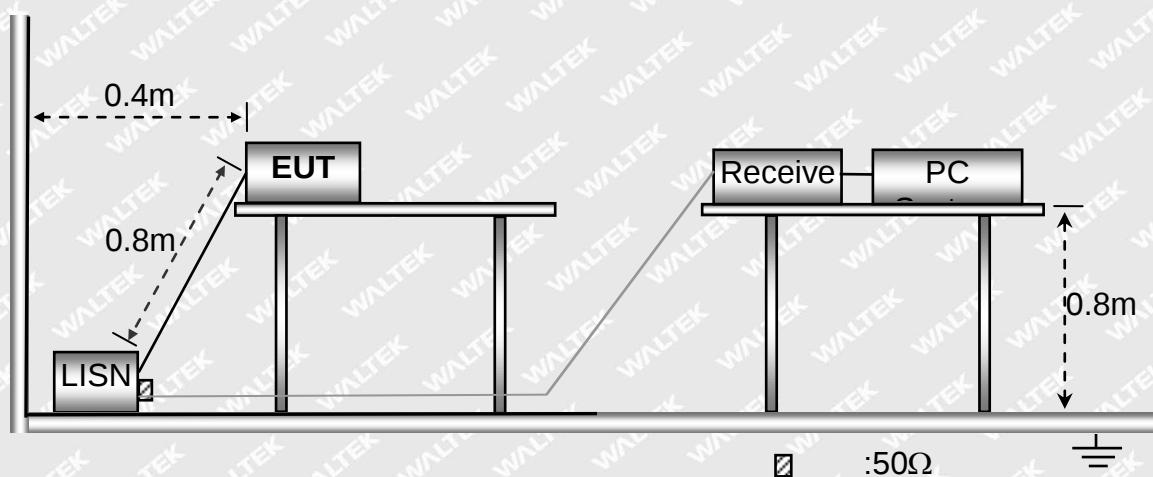
7.1 E.U.T. Operation

Operating Environment:
 Temperature: 26.0°C
 Humidity: 48.6%RH
 Atmospheric Pressure: 101.3kPa
 EUT Operation:

The test was performed in Transmitting mode, the worst test data were shown in the report.

7.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10-2020.



7.3 Measurement Description

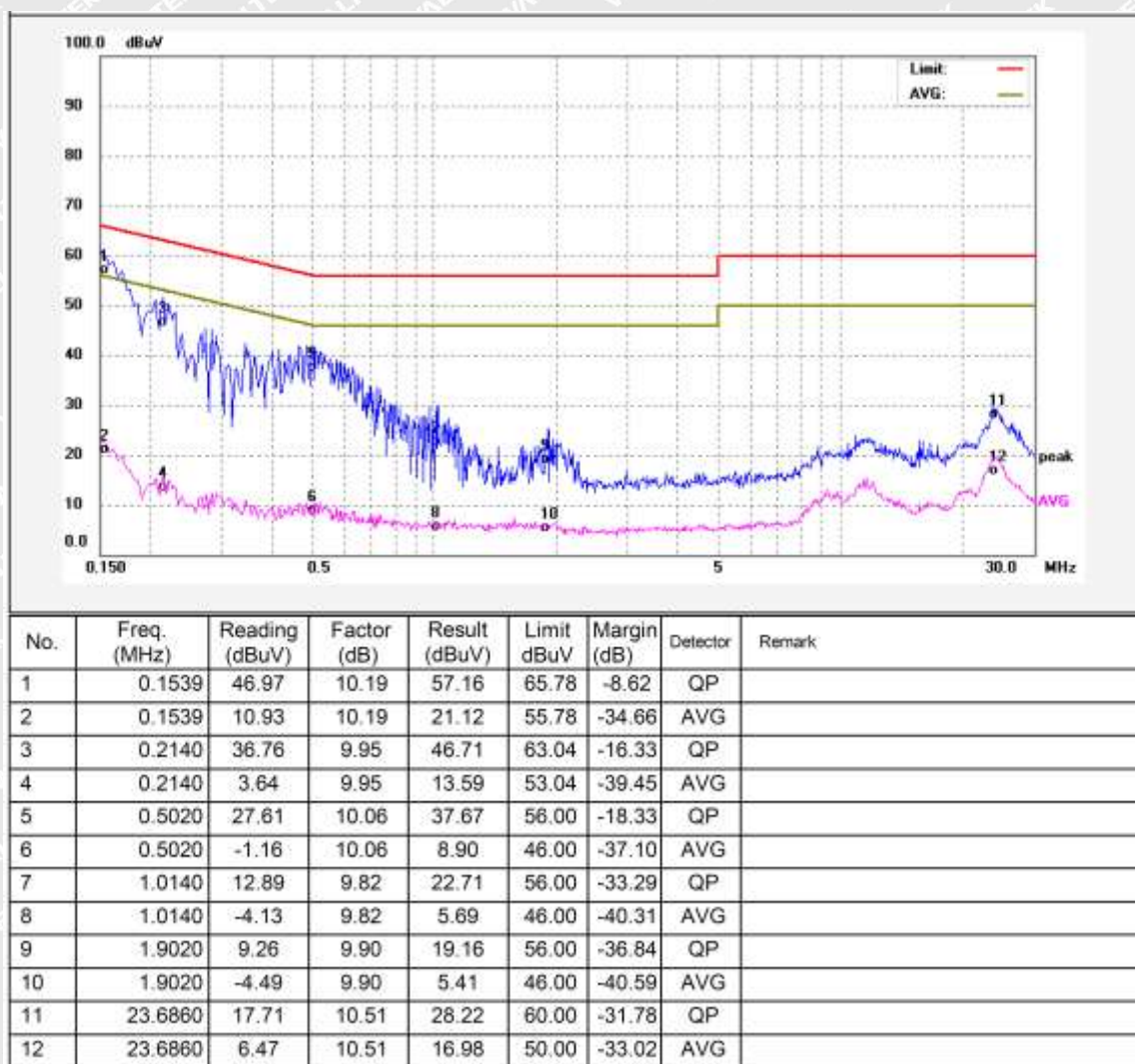
The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.



7.4 Conducted Emission Test Result

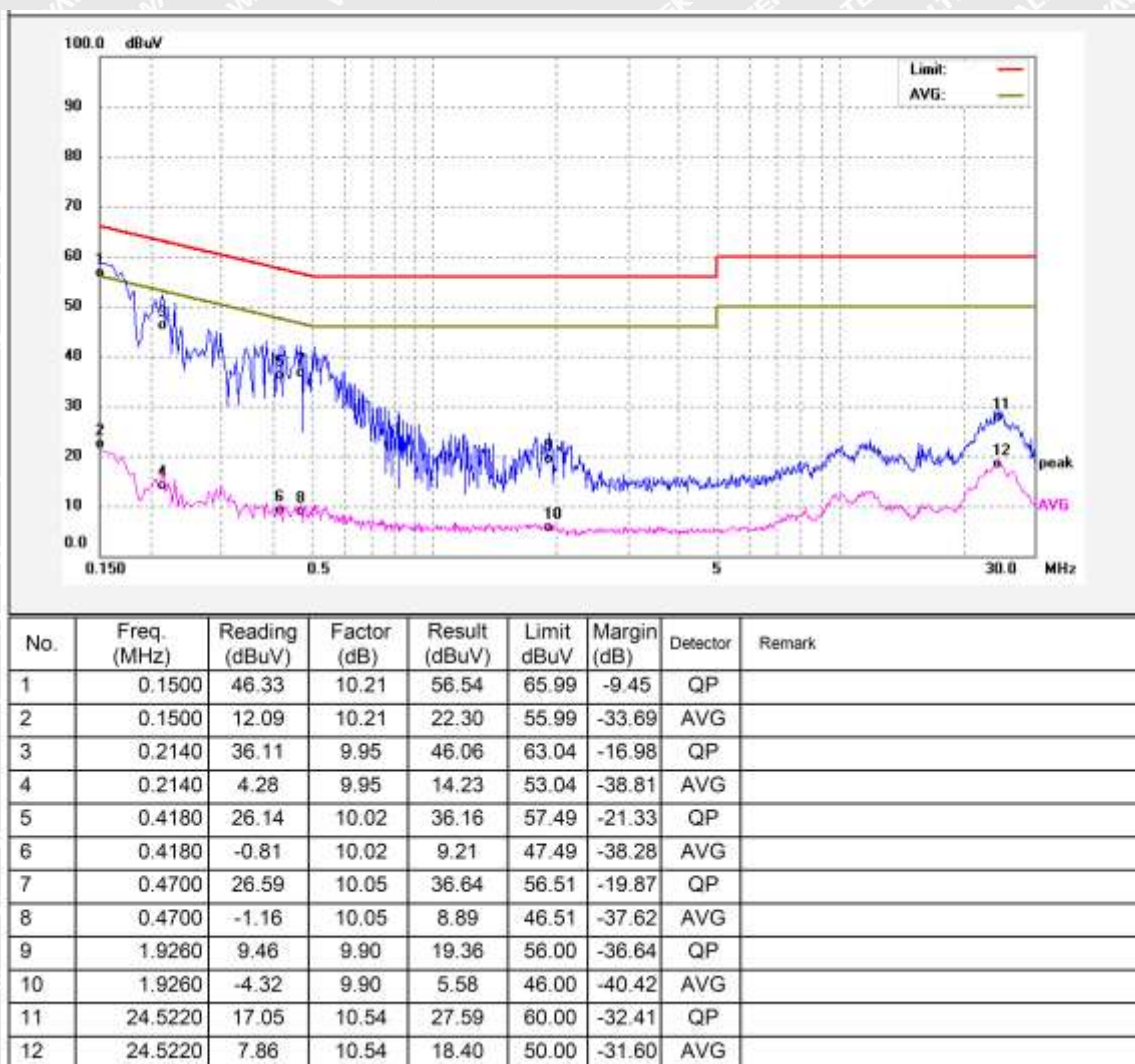
Remark: only the worst data (GFSK (LE 1M) High channel mode) were reported

Live line:





Neutral line:





8 Radiated Emissions

Test Requirement: RSS-247 5.5, RSS-Gen 8.9, RSS-Gen 8.10

Test Method: ANSI C63.10-2020

Test Result: PASS

Measurement Distance: 3m

Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	$10000 * 2400/F(\text{kHz})$	$20\log^{(2400/F(\text{kHz}))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	$100 * 24000/F(\text{kHz})$	$20\log^{(24000/F(\text{kHz}))} + 40$
1.705 ~ 30	30	30	$100 * 30$	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

8.1 EUT Operation

Operating Environment:

Temperature: 25.1°C

Humidity: 46.7%RH

Atmospheric Pressure: 101.4kPa

EUT Operation:

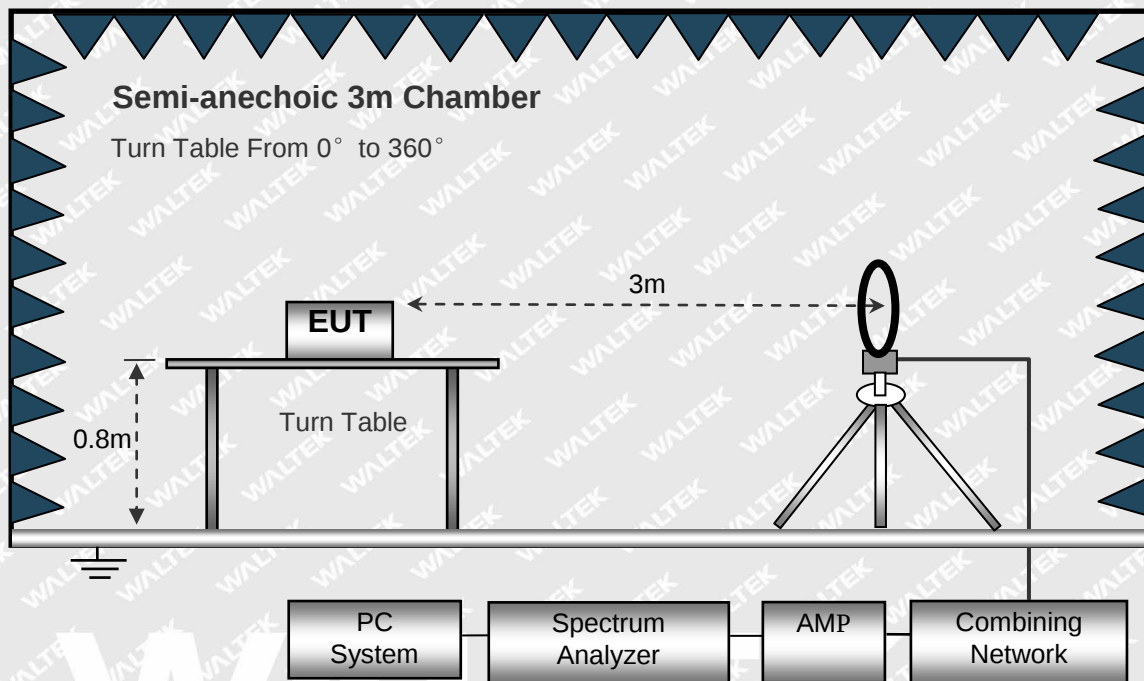
The test was performed in transmitting mode, the test data were shown in the report.



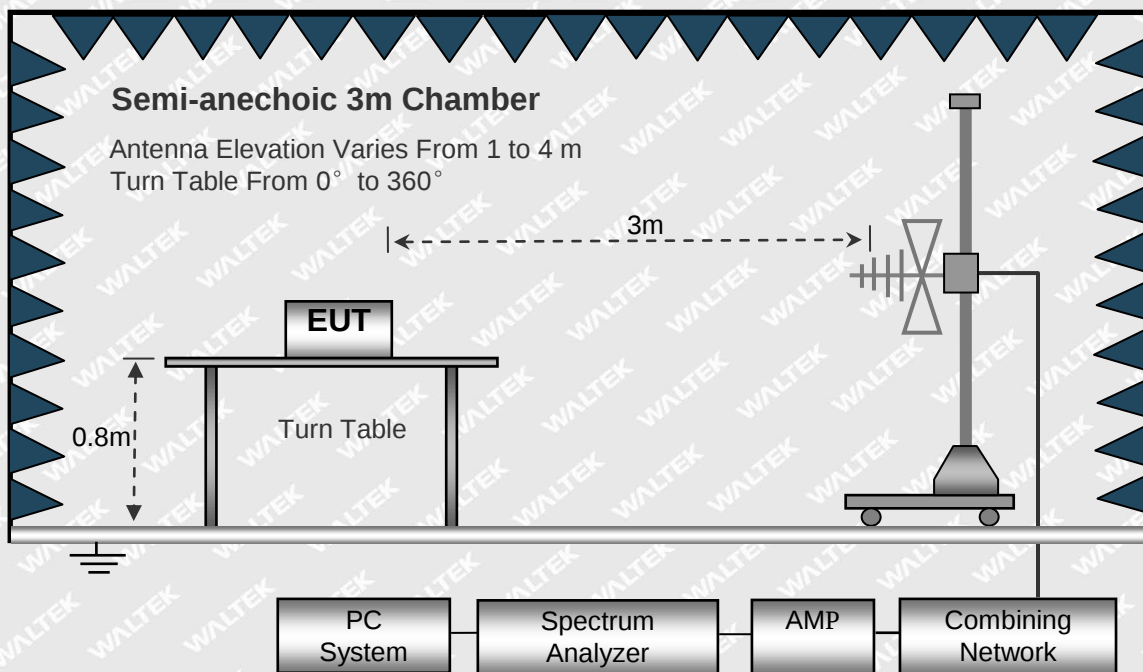
8.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10.

The test setup for emission measurement below 30MHz.

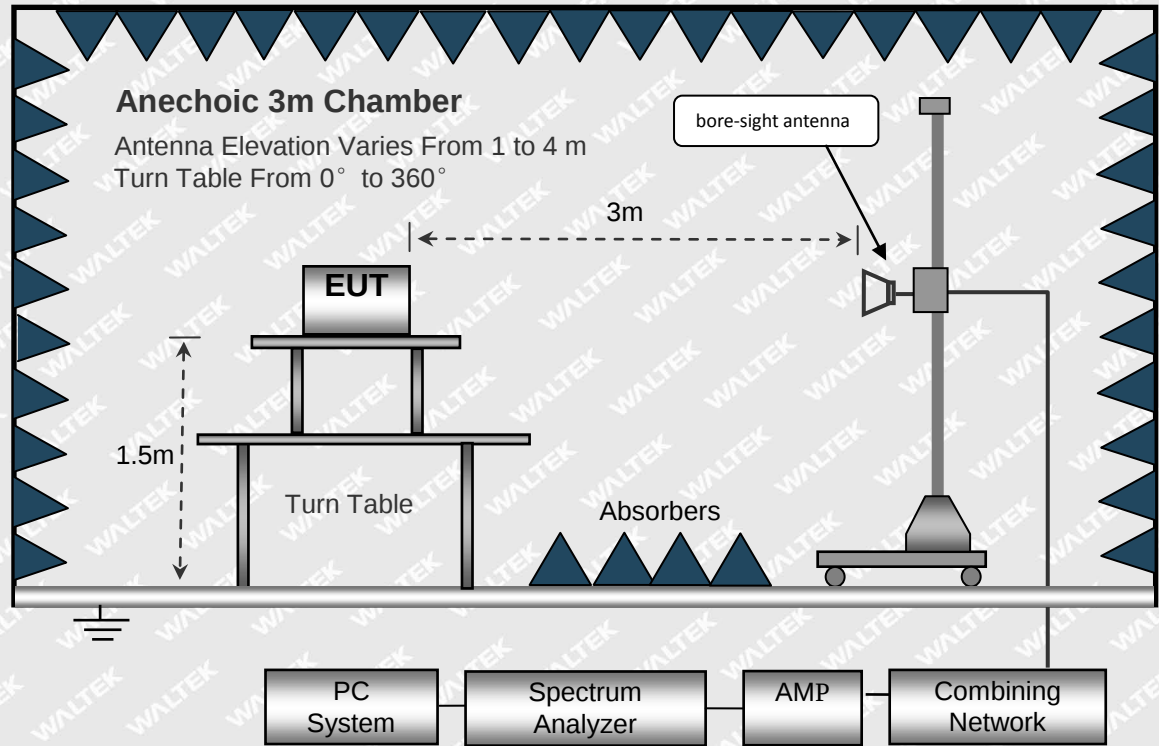


The test setup for emission measurement from 30 MHz to 1 GHz.





The test setup for emission measurement above 1 GHz.



8.3 Spectrum Analyzer Setup

Below 30MHz

Sweep Speed Auto
IF Bandwidth 10kHz
Video Bandwidth 10kHz
Resolution Bandwidth 10kHz

30MHz ~ 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth 100kHz
Video Bandwidth 300kHz

Above 1GHz

Sweep Speed Auto
Detector PK
Resolution Bandwidth 1MHz
Video Bandwidth 3MHz
Detector Ave.
Resolution Bandwidth 1MHz
Video Bandwidth 10Hz



8.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in Z axis,so the worst data were shown as follow.
8. A 2.4GHz high -pass filter is used during radiated emissions above 1GHz measurement.

8.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$



8.6 Summary of Test Results

Remark: only the worst case GFSK (LE 1M) mode were reported

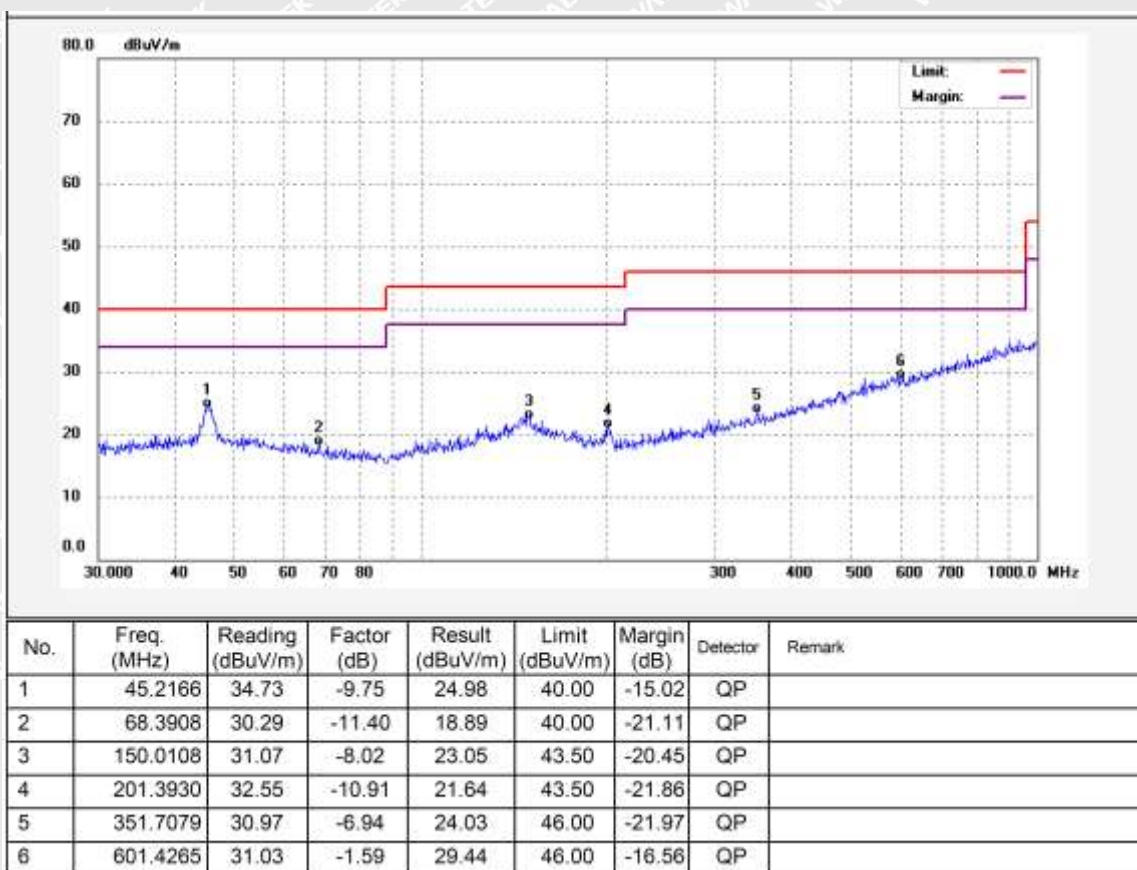
Test Frequency: 9kHz~30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency: 30MHz ~ 1GHz

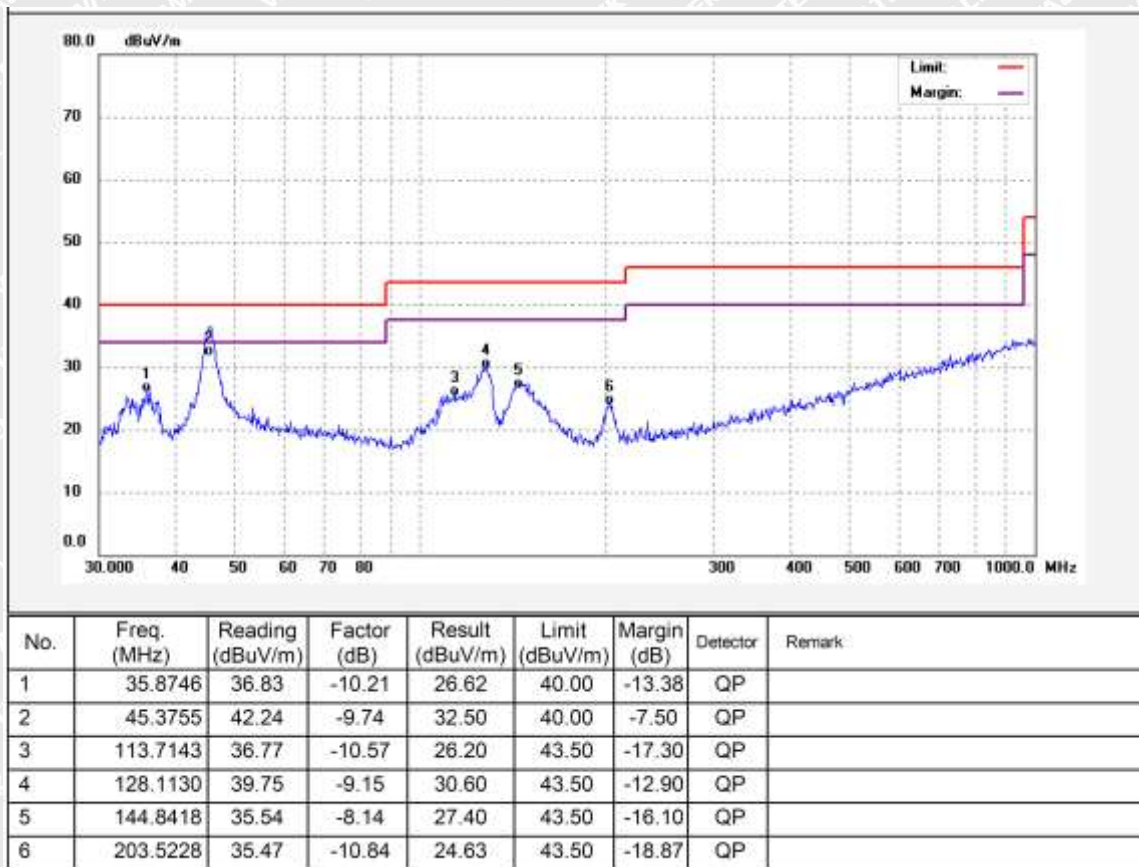
Worst case Low-2402:

Antenna Polarization: Horizontal





Antenna Polarization: Vertical

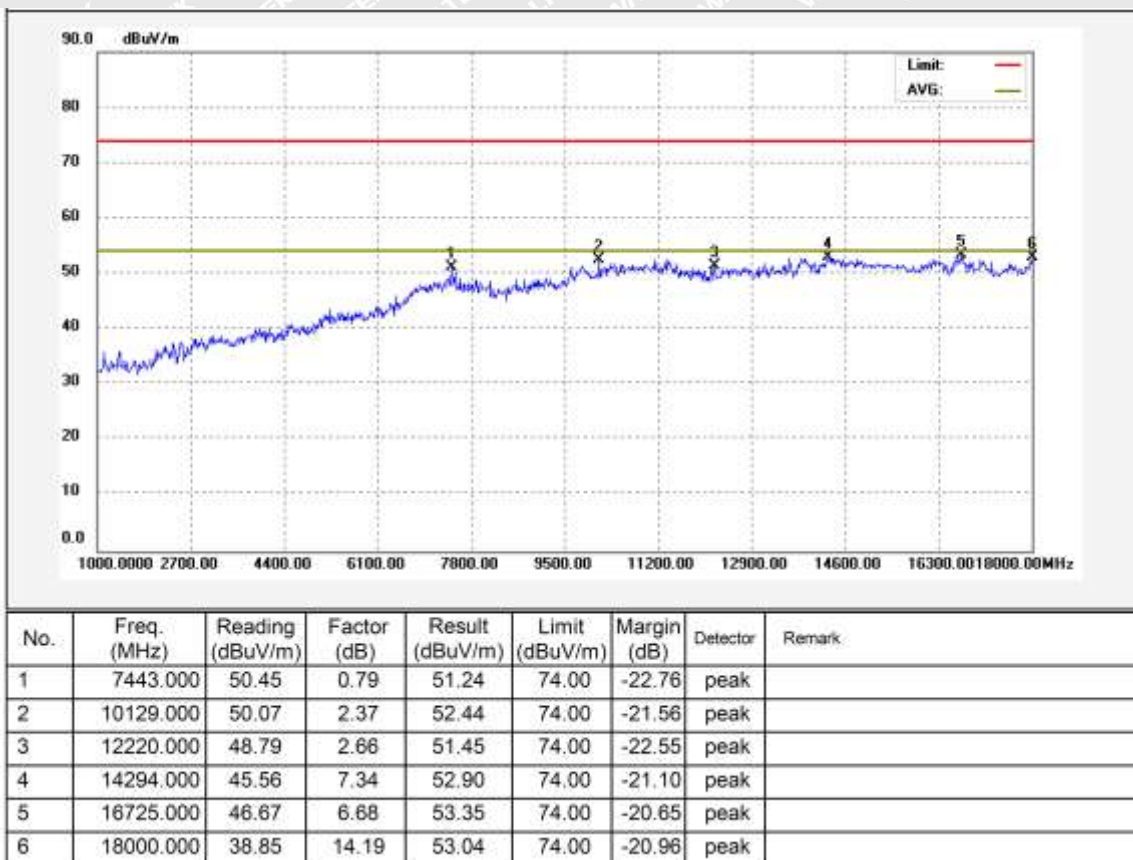




Test Frequency: 1GHz ~ 18GHz

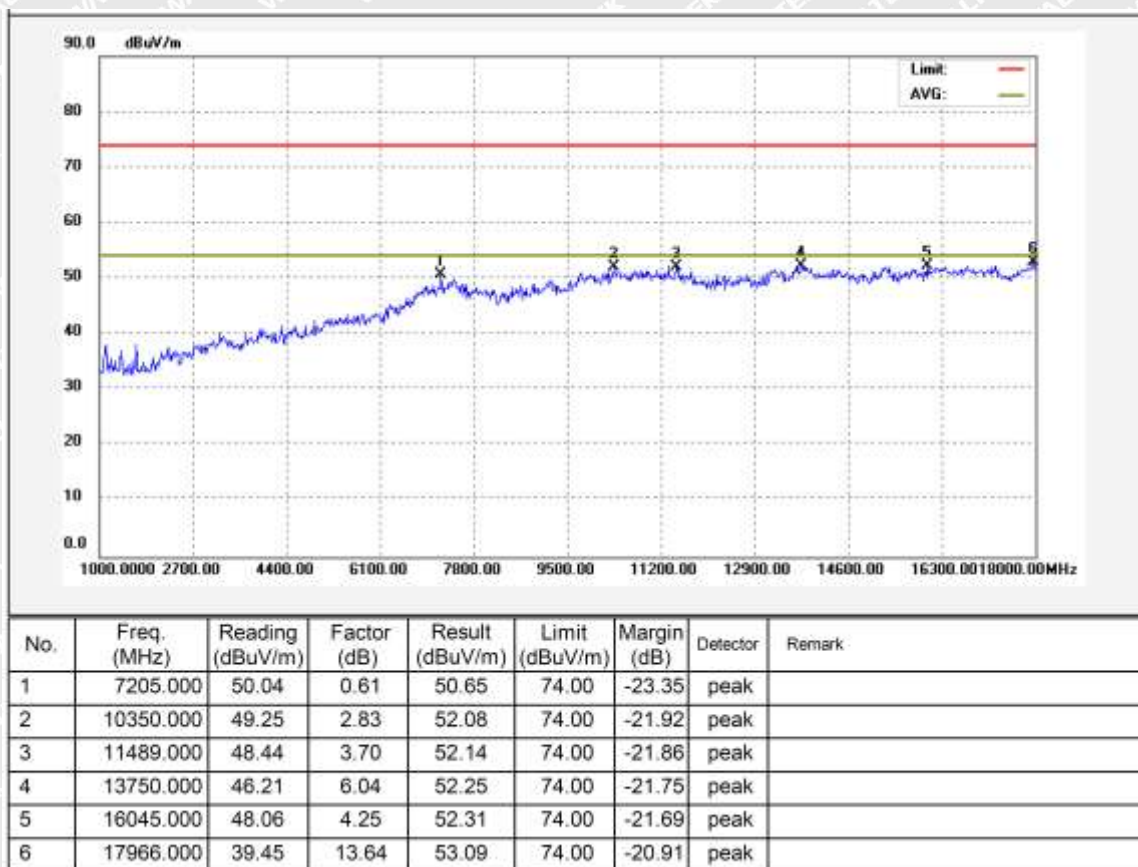
Low-2402:

Antenna Polarization: Horizontal



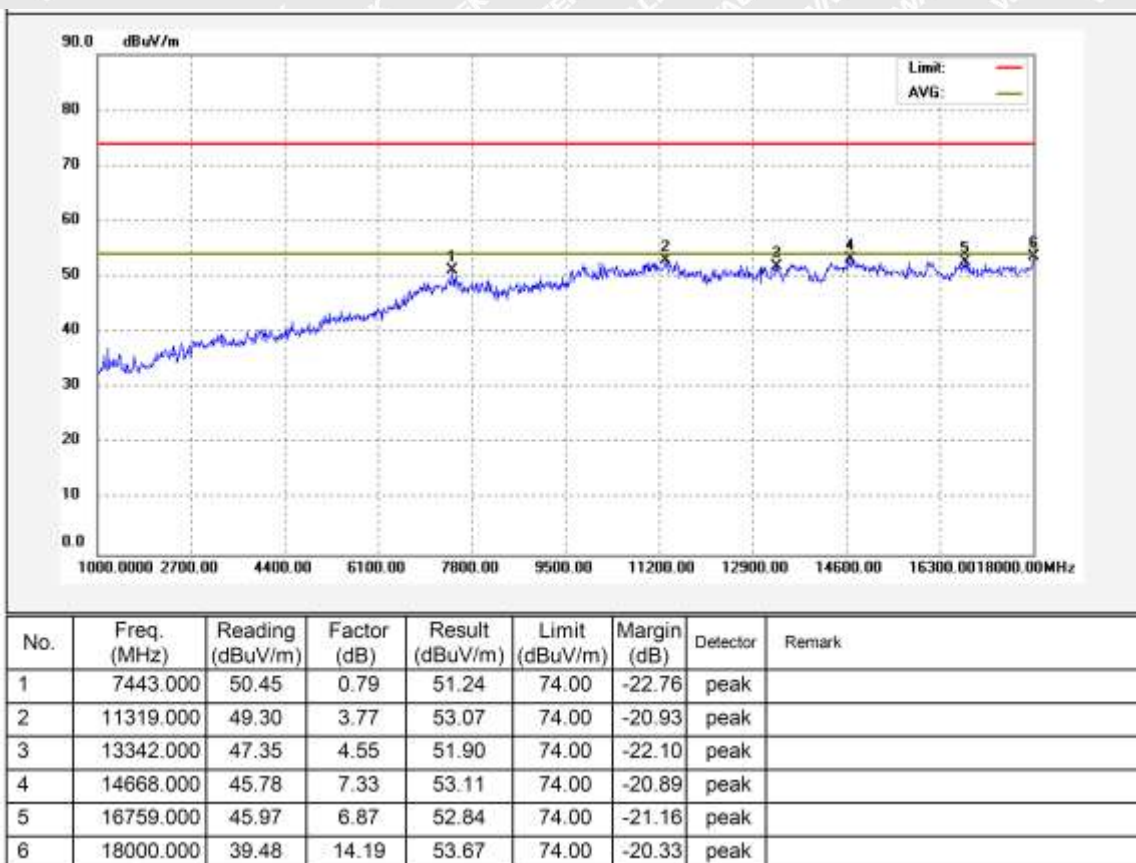


Antenna Polarization: Vertical



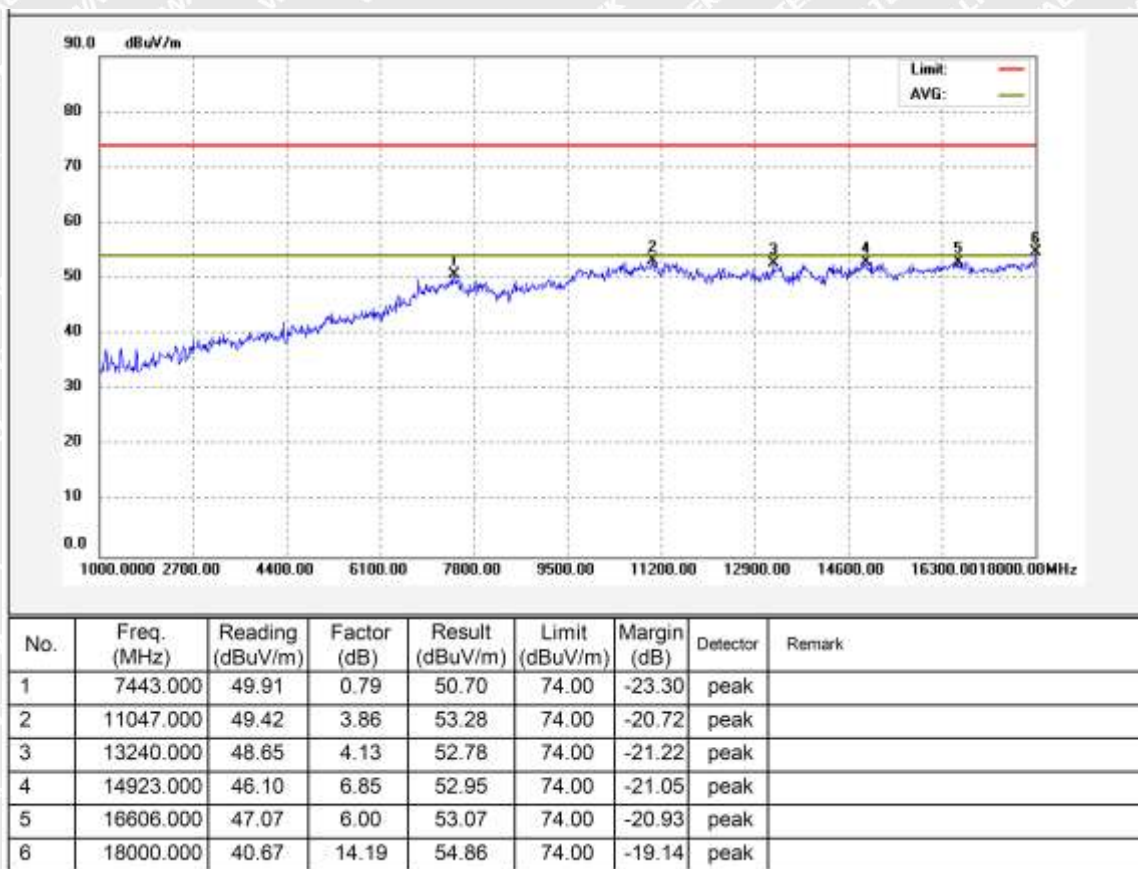
**Middle-2440:**

Antenna Polarization: Horizontal





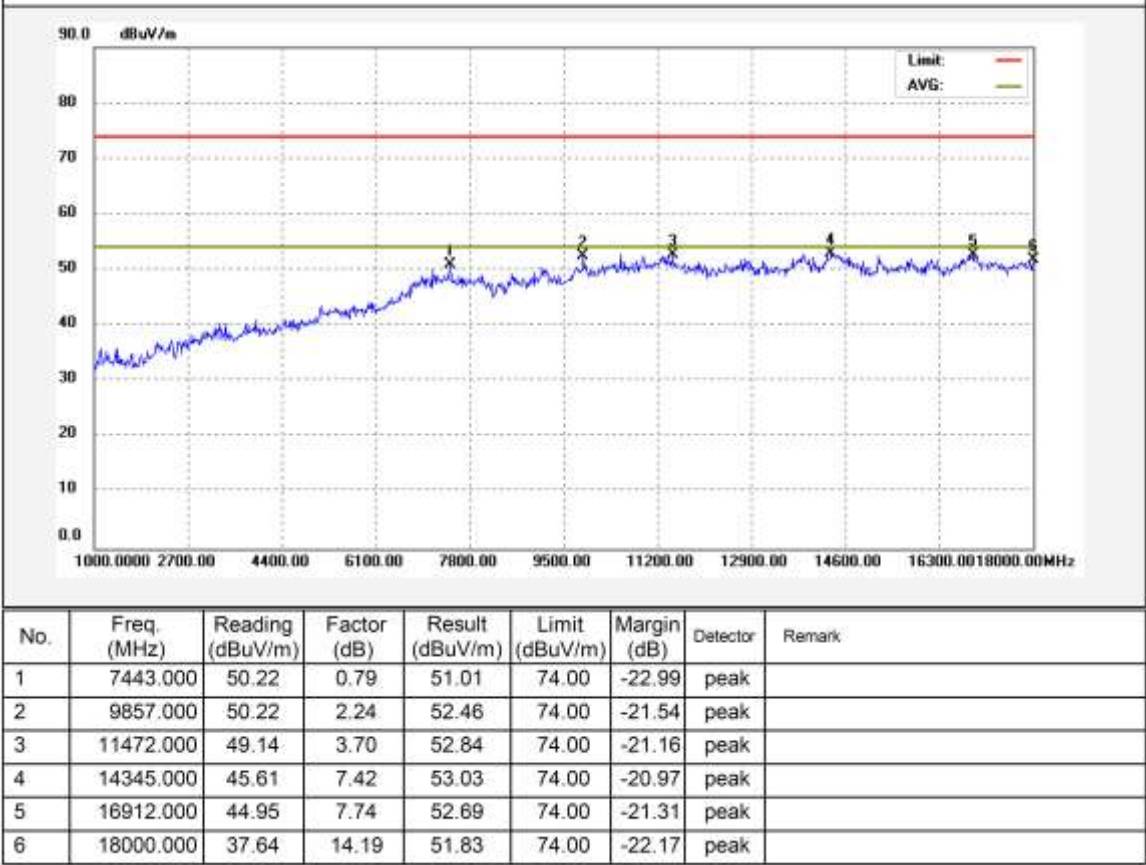
Antenna Polarization: Vertical





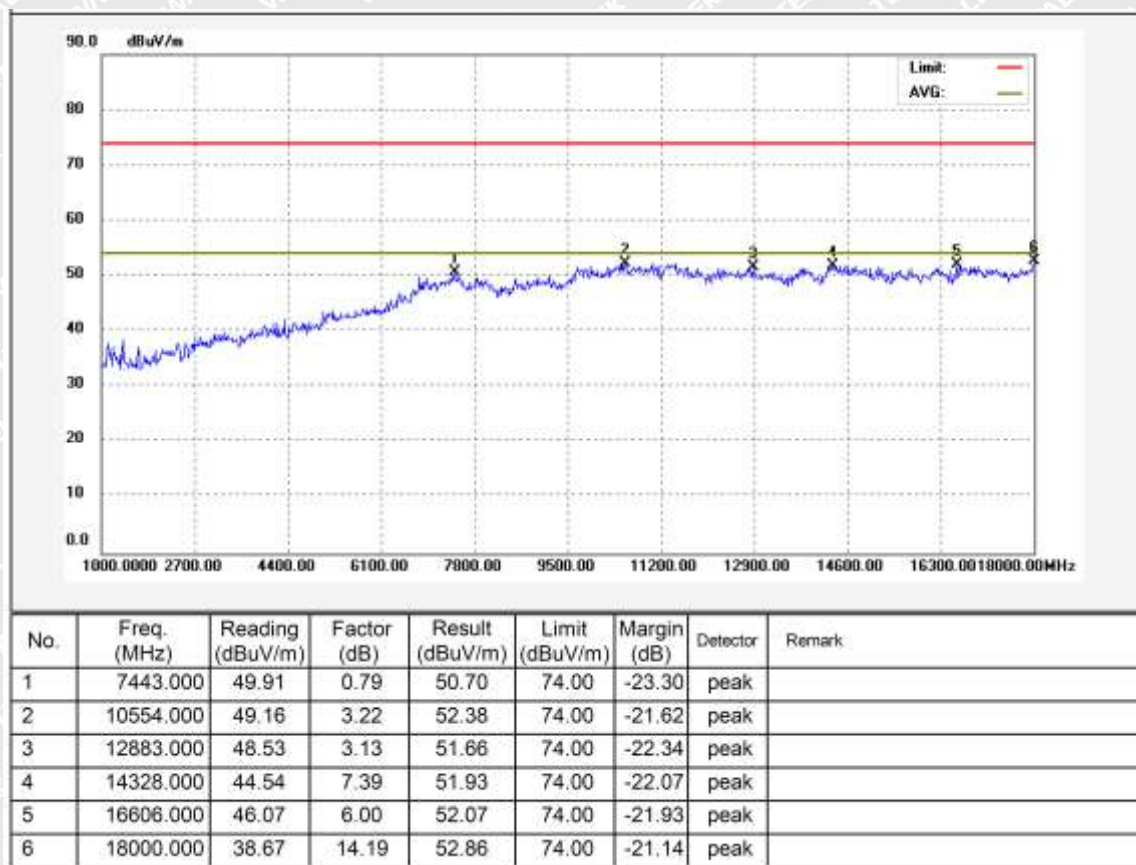
High-2480:

Antenna Polarization: Horizontal



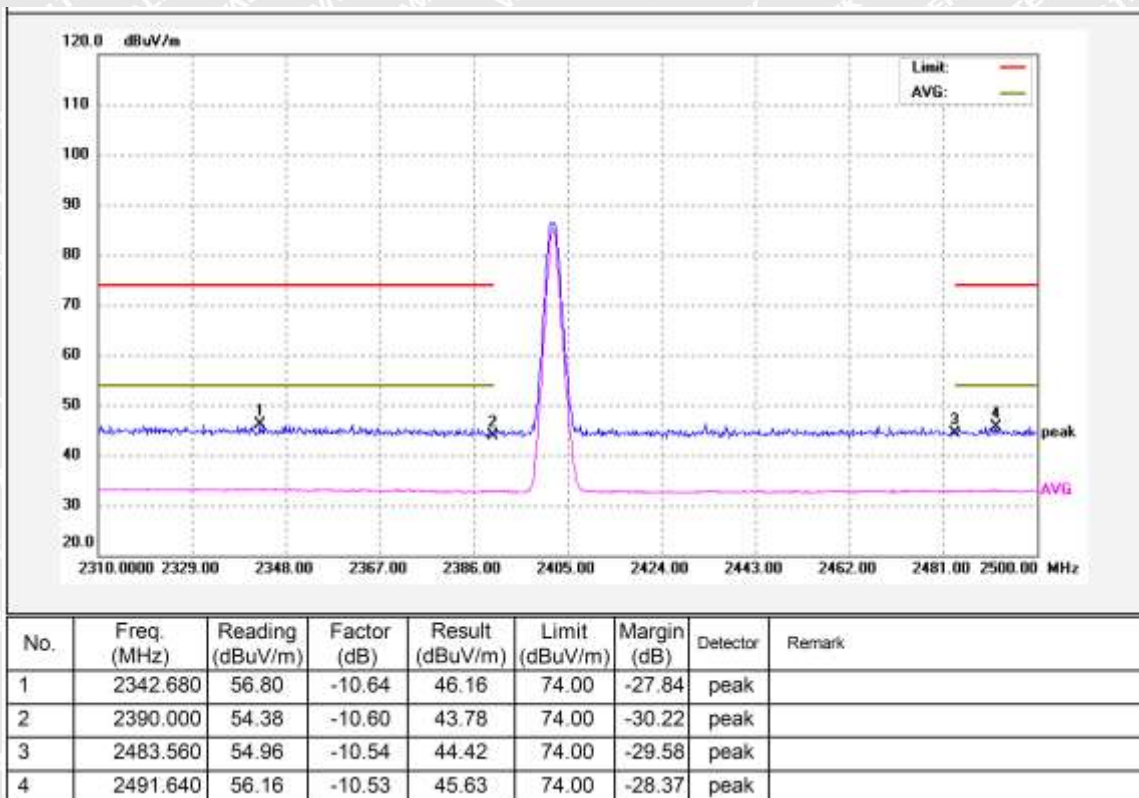


Antenna Polarization: Vertical



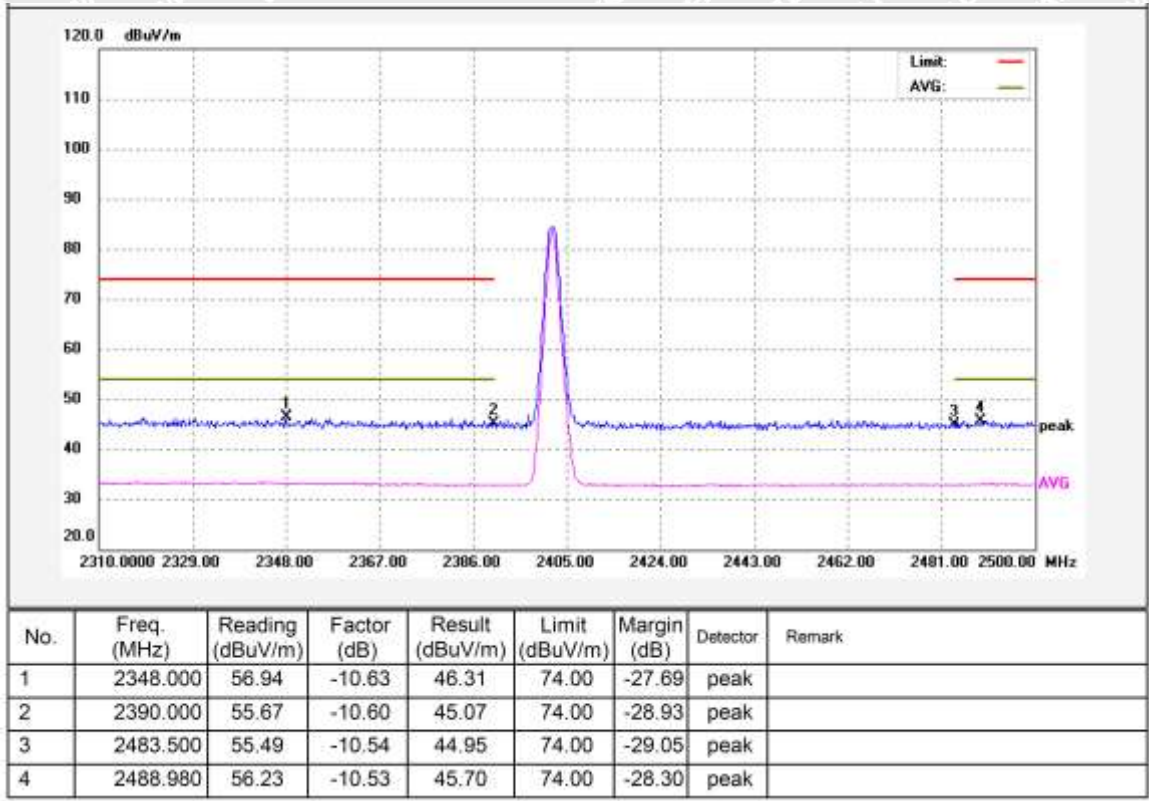
**Radiated Restricted Band Emission****Low-2402:**

Antenna Polarization: Horizontal





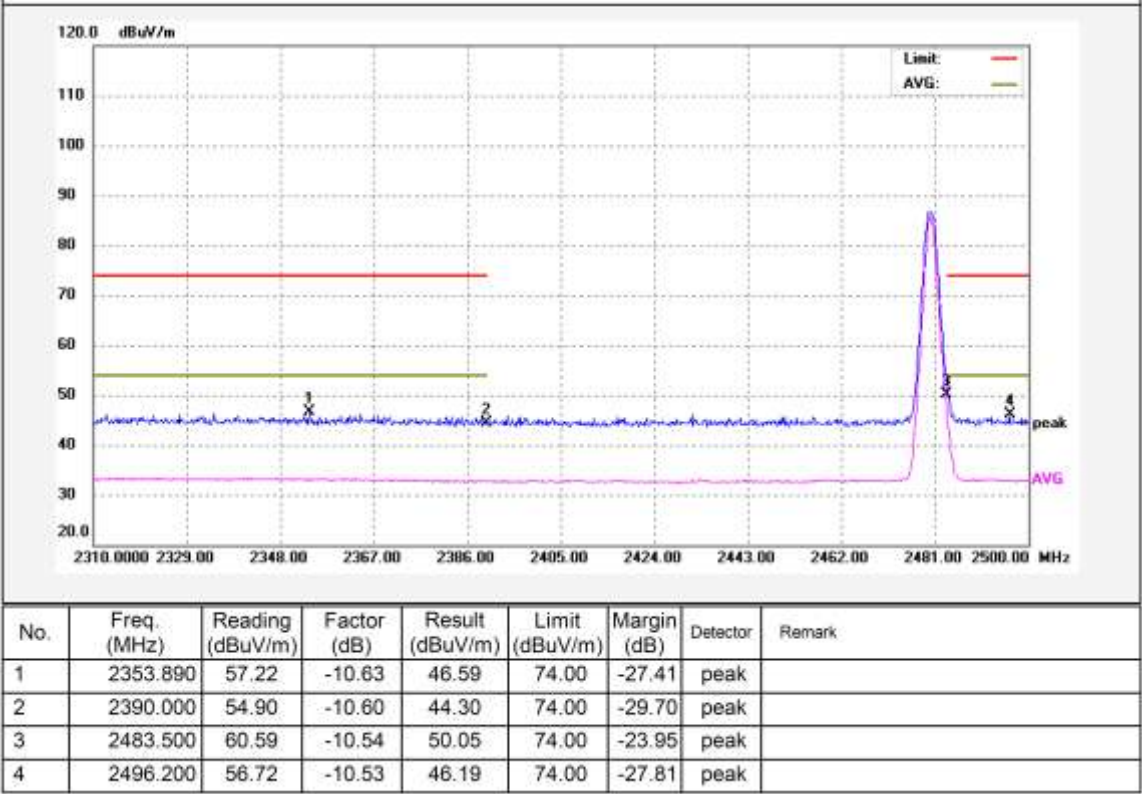
Antenna Polarization: Vertical





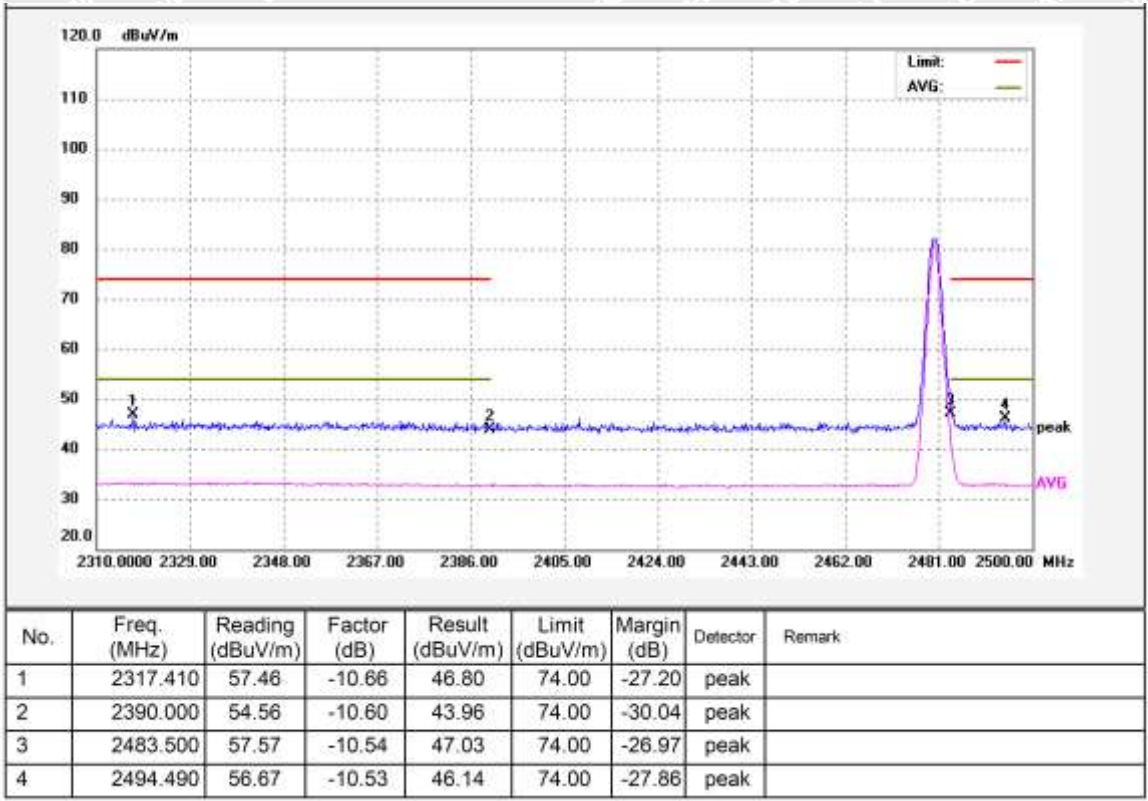
High-2480:

Antenna Polarization: Horizontal





Antenna Polarization: Vertical



Test Frequency: 18GHz~25GHz

The measurements were more than 20 dB below the limit and not reported.



9 Conducted Spurious Emissions

Test Requirement: RSS-247 5.5
Test Method: ANSI C63.10-2020
Test Result: PASS
Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits..

9.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

2. Set the spectrum analyzer:

Below 30MHz:

RBW = 100kHz, VBW = 300kHz, Sweep = auto

Detector function = peak, Trace = max hold

Above 30MHz:

RBW = 100kHz, VBW = 300kHz, Sweep = auto

Detector function = peak, Trace = max hold

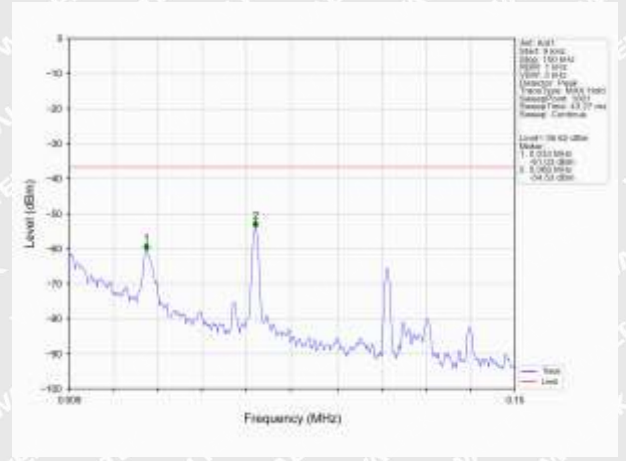
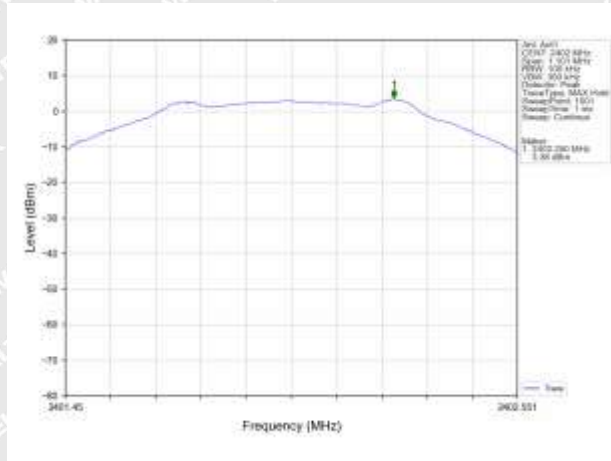


9.2 Test Result

GFSK (LE 1M)_channel 0

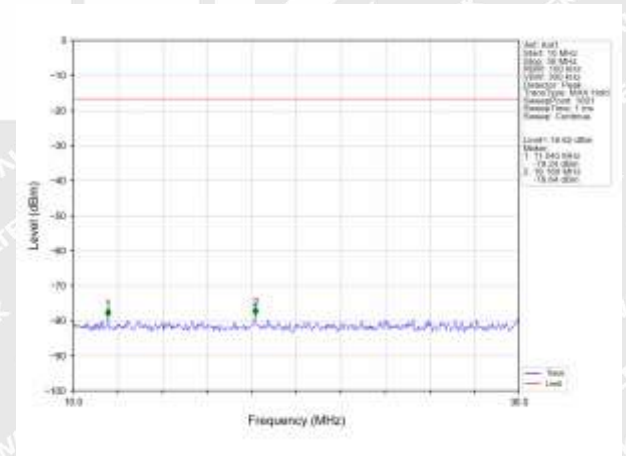
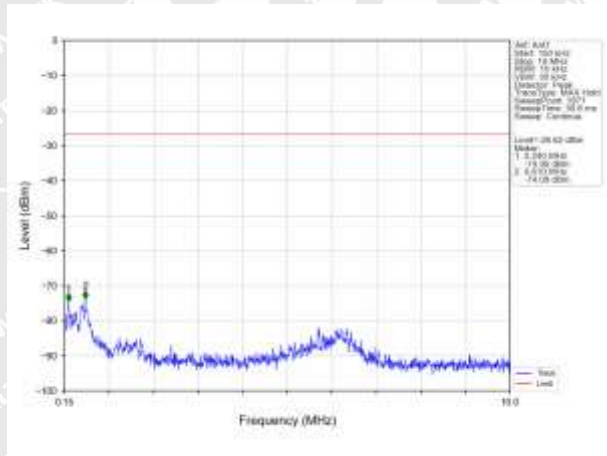
Ref

9kHz-150kHz



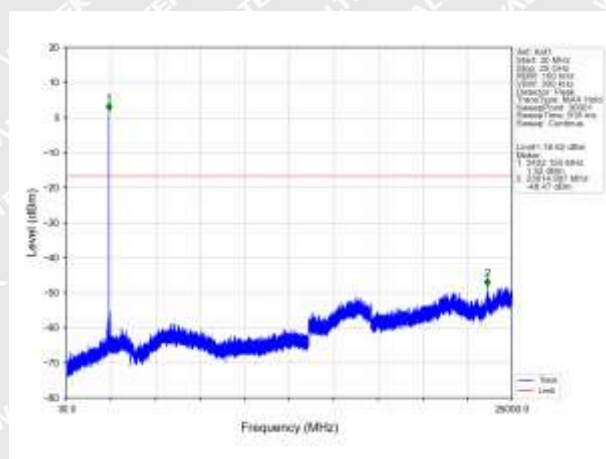
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



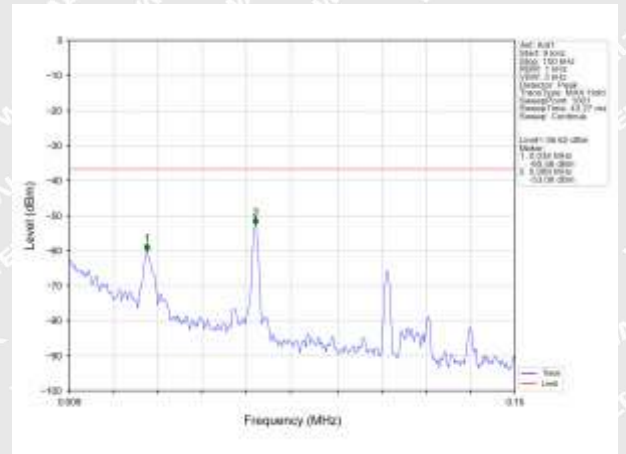
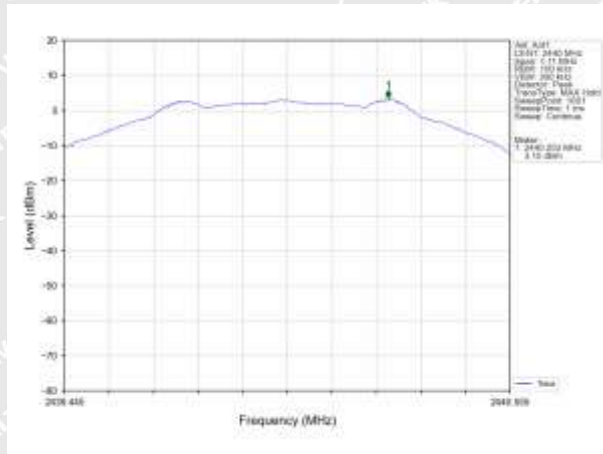
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GFSK (LE 1M)_channel 19

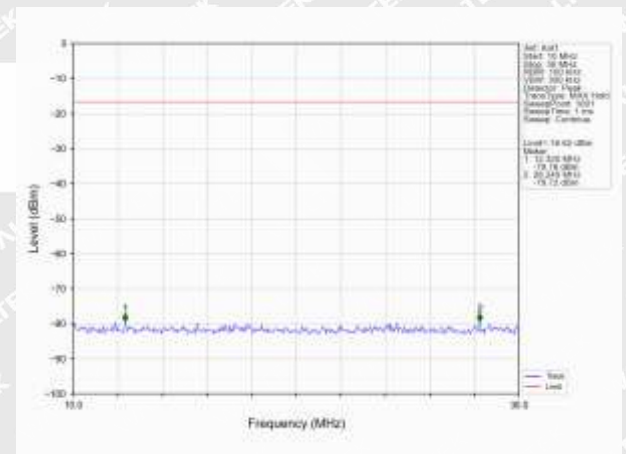
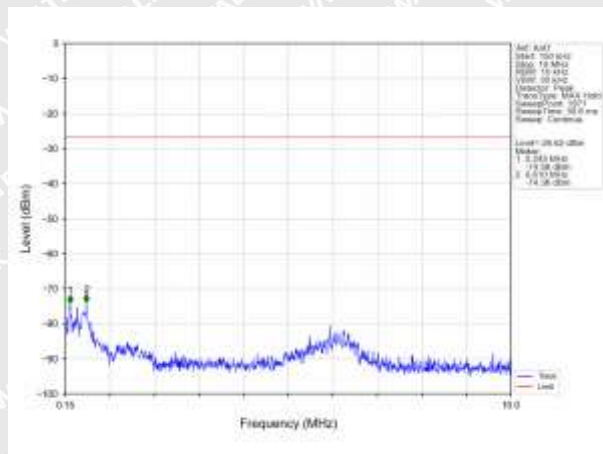
Ref

9kHz-150kHz



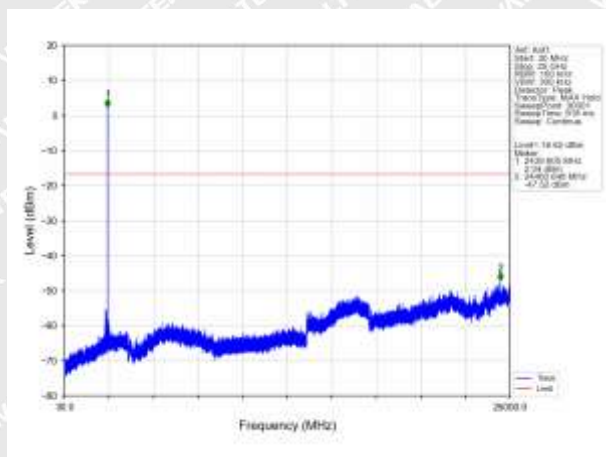
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



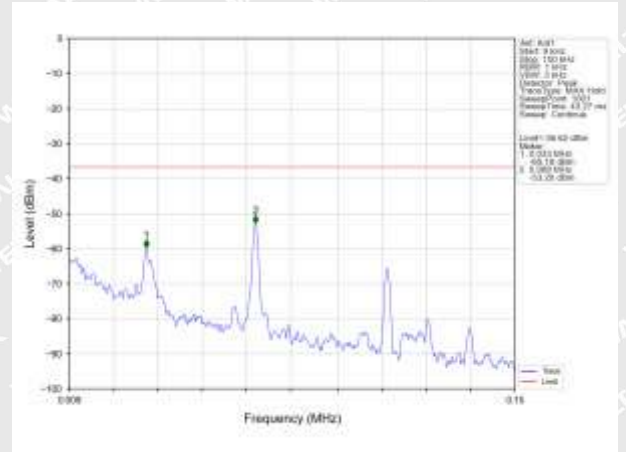
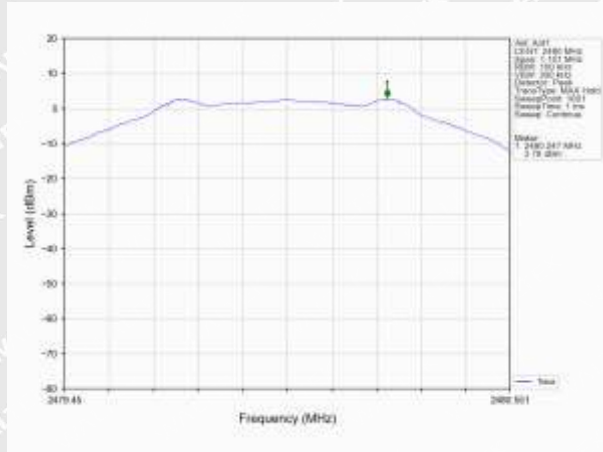
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GFSK (LE 1M)_channel 39

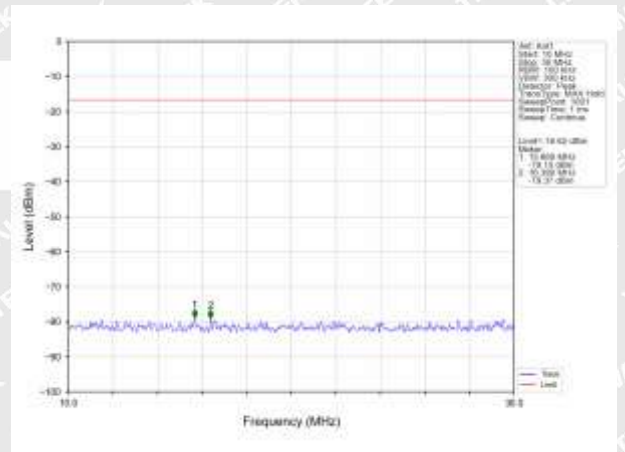
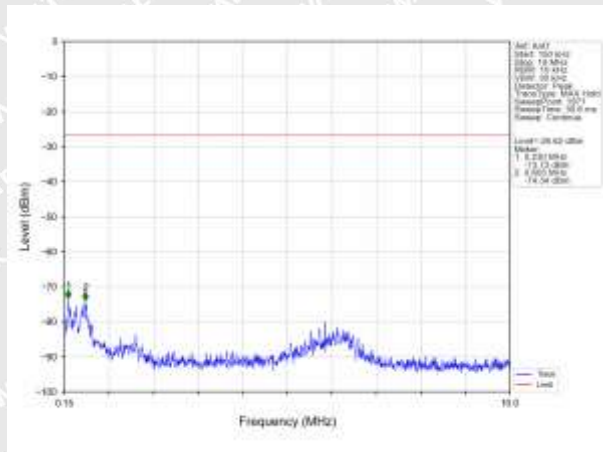
Ref

9kHz-150kHz



150kHz-10MHz

10MHz-30MHz





File: 001
 Start: 30.000
 Stop: 2500.0
 Span: 2470.0 MHz
 Freq: 30.000 MHz
 Detector: Peak
 Video BW: 500 Hz
 SweepTime: 0.050 s
 SweepStart: 30.000 MHz
 SweepStop: 2500.000 MHz
 Resol: Continues

Level: 15.00 dBm
 Marker: 1
 F1: 30.100 MHz
 S: 2.00 dB
 F2: 30.100 MHz
 A: 0.01 dB

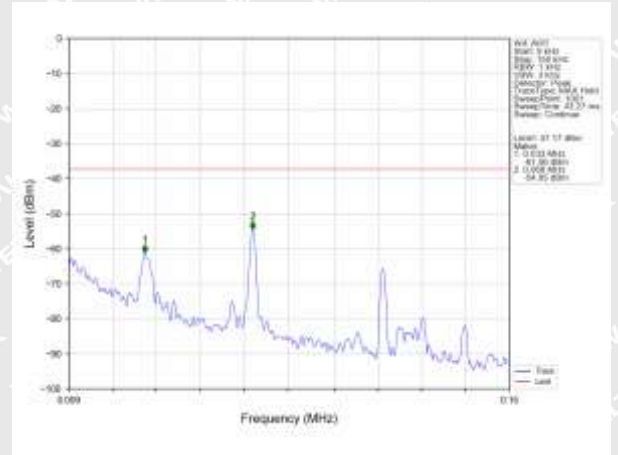
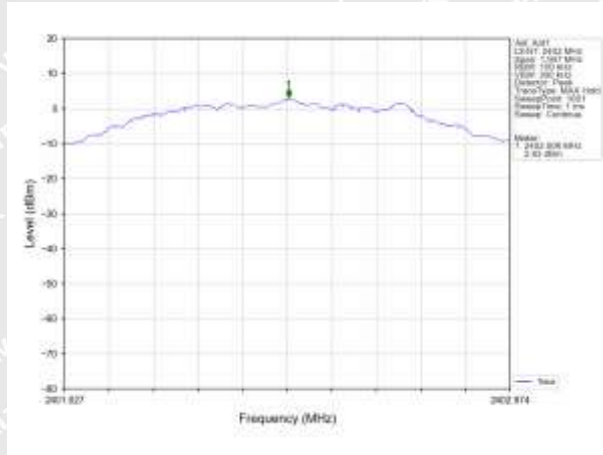
Legend:
 — Pass
 — Limit



GFSK (LE 2M)_channel 0

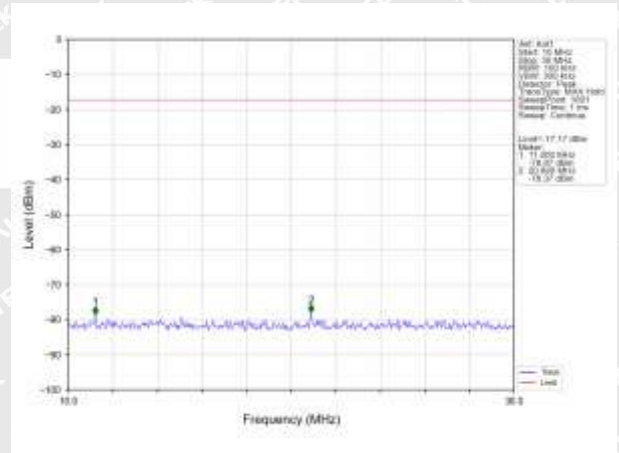
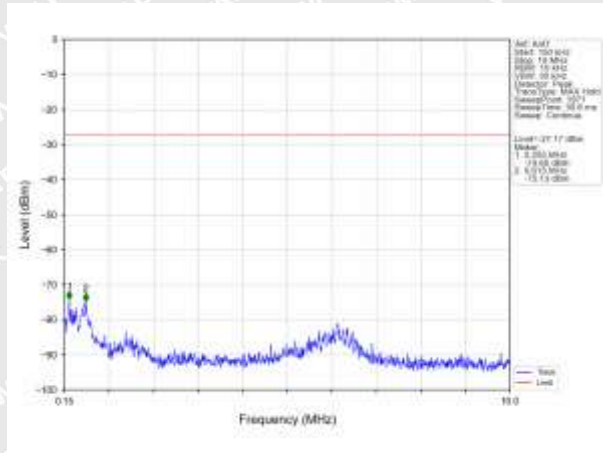
Ref

9kHz-150kHz



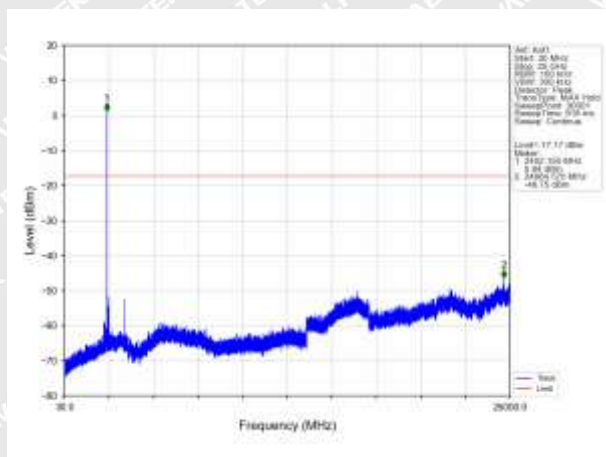
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



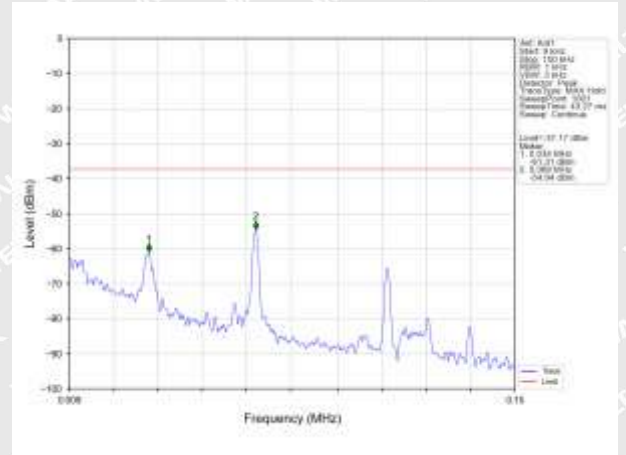
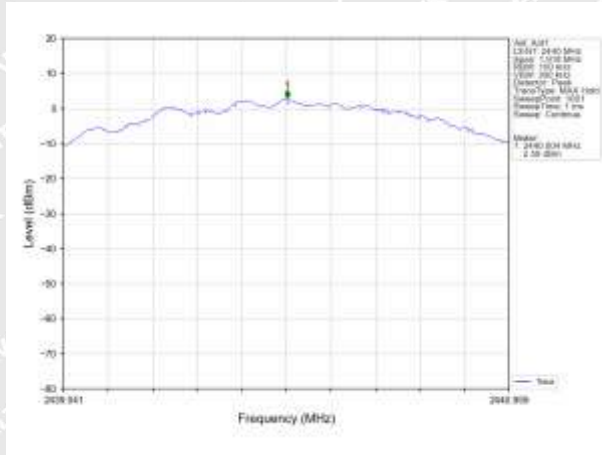
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GFSK (LE 2M)_channel 19

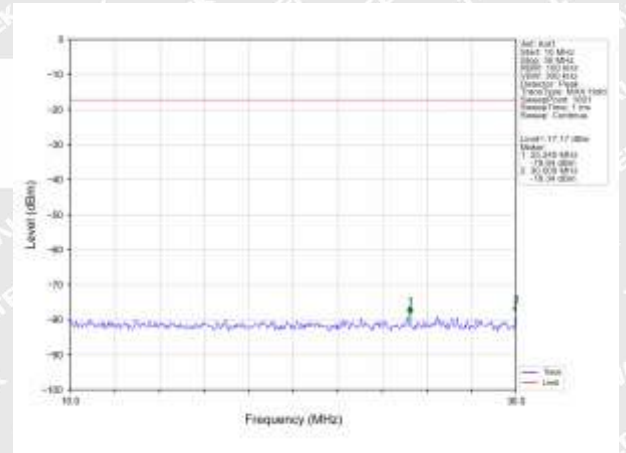
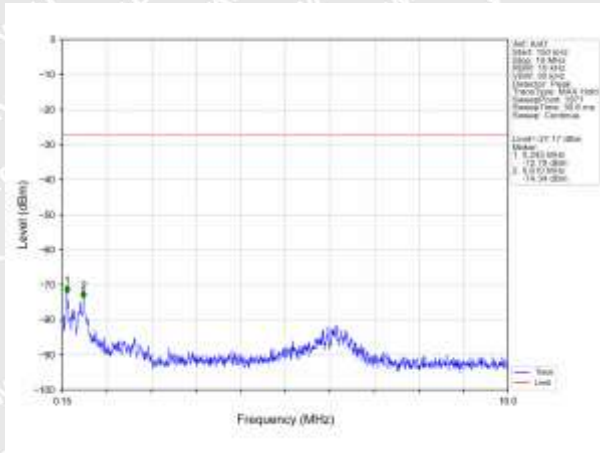
Ref

9kHz-150kHz



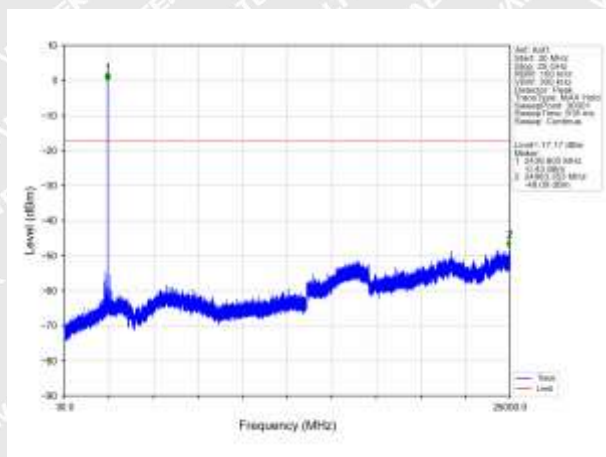
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



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Ref

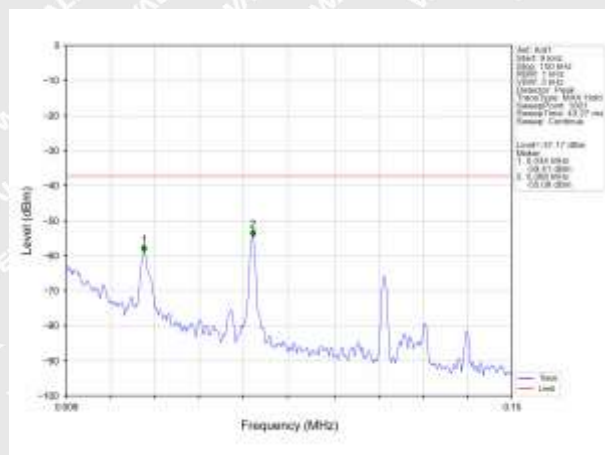
Level (dBm)

Frequency (MHz)

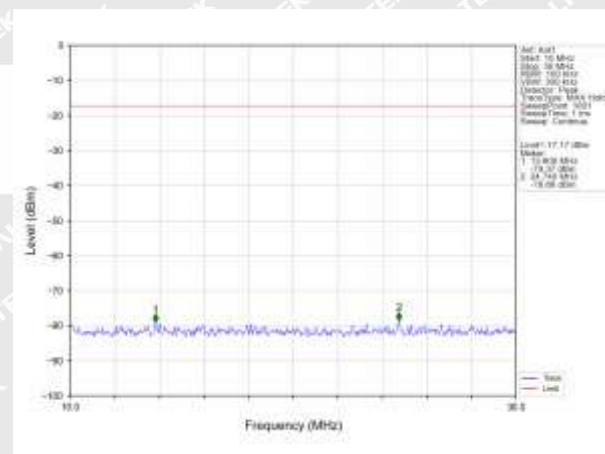
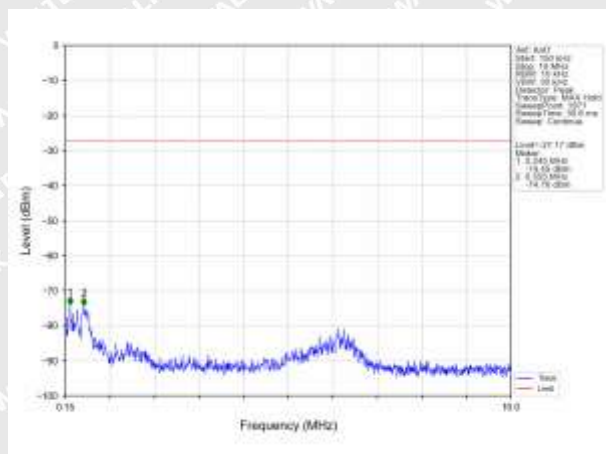
2479.075 2480.325

Signal: 1. 2480.112 MHz, 2.71 dBm

Air: A301
CS-SST: 2480 MHz
Rate: 1.031 Mbps
Power: 150 dBm
Code: 100 dB
(Receiver: Digi)
TransType: M2A (100)
ReceivedPower: 10.1
ReceivedTime: 1 sec
Sample: Continuous

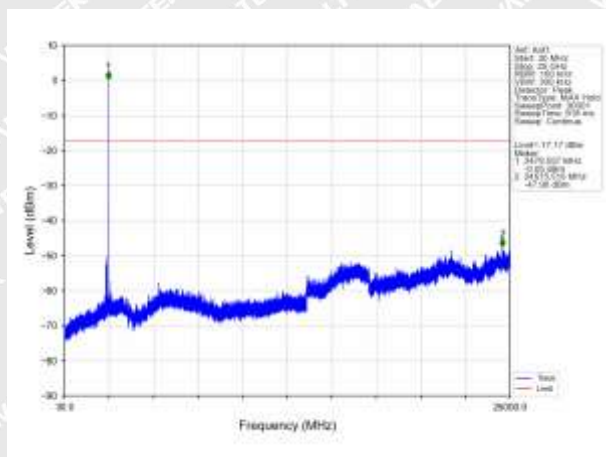


10MHz-30MHz





30MHz-25GHz



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10 Band Edge Measurement

Test Requirement: RSS-Gen 8.10 Restricted bands, identified in table 7, are designated primarily for safety-of-life services (distress calling and certain aeronautical activities), certain satellite downlinks, radio astronomy and some government uses. Except where otherwise indicated, the following conditions related to the restricted frequency bands apply:

- (a) The transmit frequency, including fundamental components of modulation, of licence-exempt radio apparatus shall not fall within the restricted frequency bands listed in table 7 except for apparatus compliant with RSS-287.
- (b) Unwanted emissions that fall into restricted frequency bands listed in table 7 shall comply with the limits specified in table 5 and table 6.
- (c) Unwanted emissions that do not fall within the restricted frequency bands listed in table 7 shall comply either with the limits specified in the applicable RSS or with those specified in table 5 and table 6.

Test Method: ANSI C63.10-2020

10.1 Test Produce

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



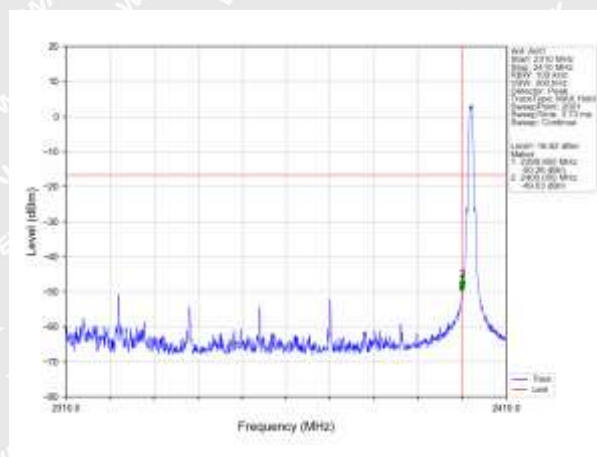
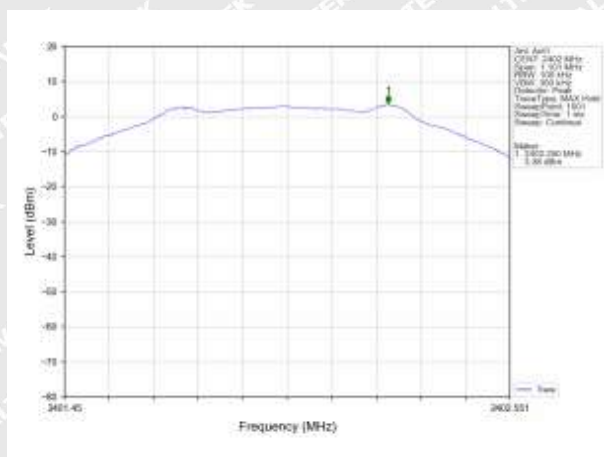
10.2 Test Result

Test result plots shown as follows:

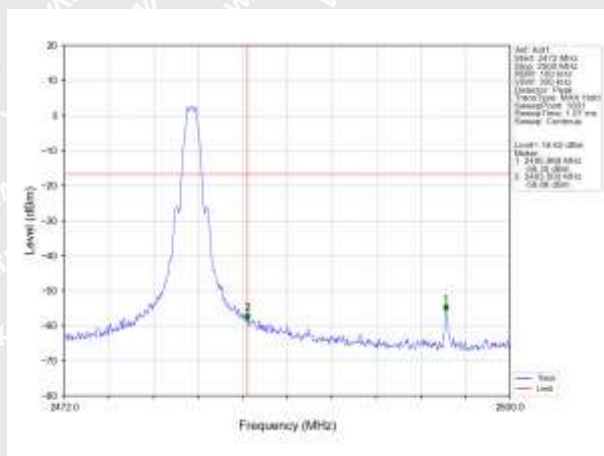
GFSK (LE 1M):

Ref

LE: Band edge-left side



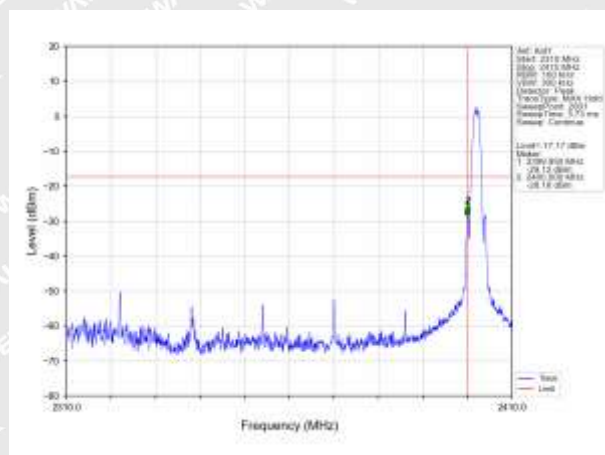
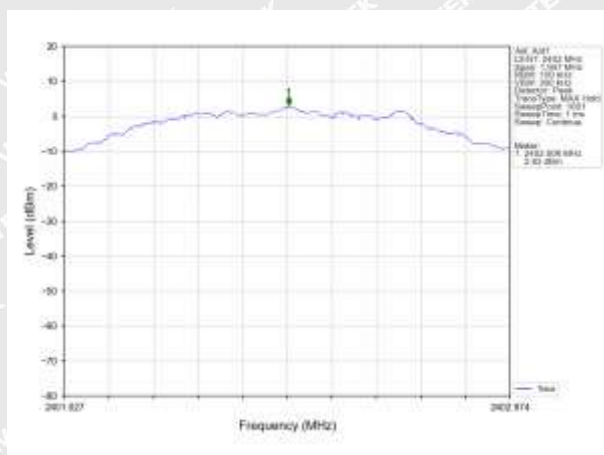
LE: Band edge-right side



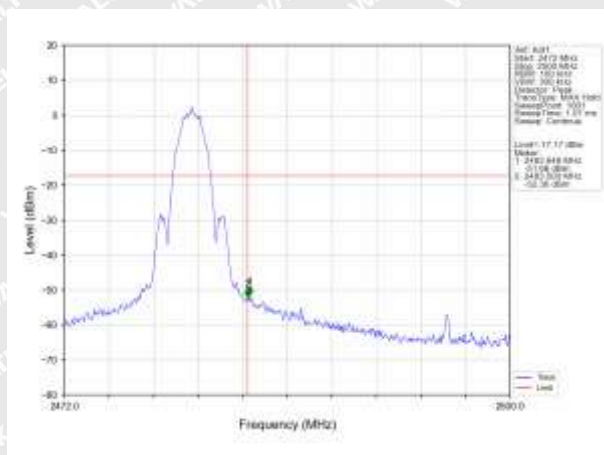


Ref

LE: Band edge-left side



LE: Band edge-right side





11 6 dB Bandwidth and 99% Bandwidth Measurement

Test Requirement: RSS-247 5.2(a)

Test Method: ANSI C63.10-2020

Test Limit: The minimum 6 dB bandwidth shall be 500 kHz.

Test Mode: Transmitting

11.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

11.2 Test Result

Operation mode	Test Channel	6 dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (kHz)
GFSK (LE 1M)	Channel 0	0.702	1.062	>500
	Channel 19	0.731	1.074	>500
	Channel 39	0.703	1.062	>500
GFSK (LE 2M)	Channel 0	1.247	2.086	>500
	Channel 19	1.311	2.083	>500
	Channel 39	1.271	2.066	>500

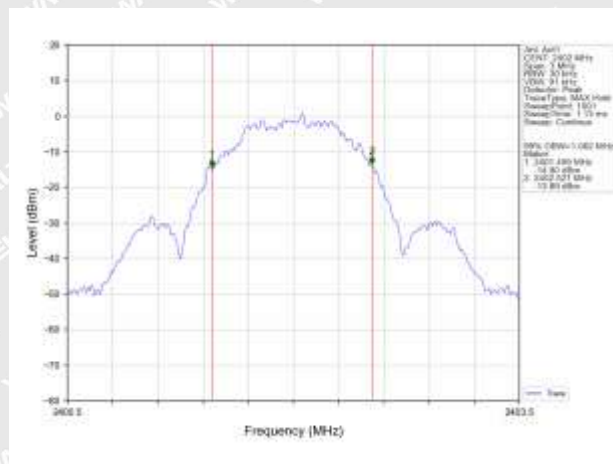
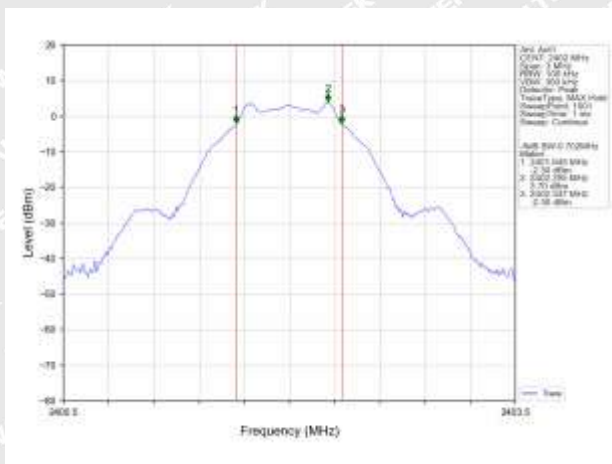
Test result plot:

GFSK (LE 1M):

6 dB Bandwidth

99% Bandwidth

Mode: TX GFSK channel 0

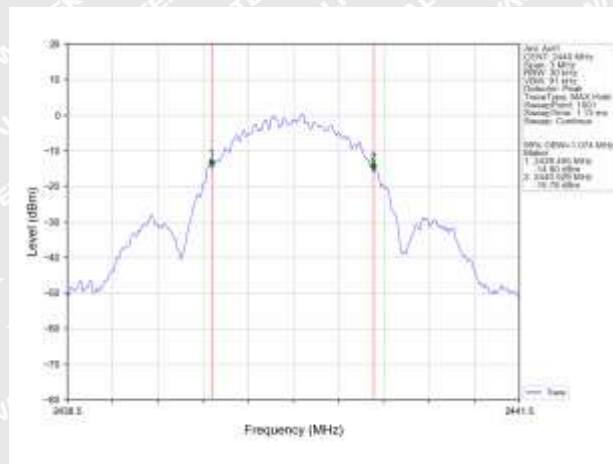
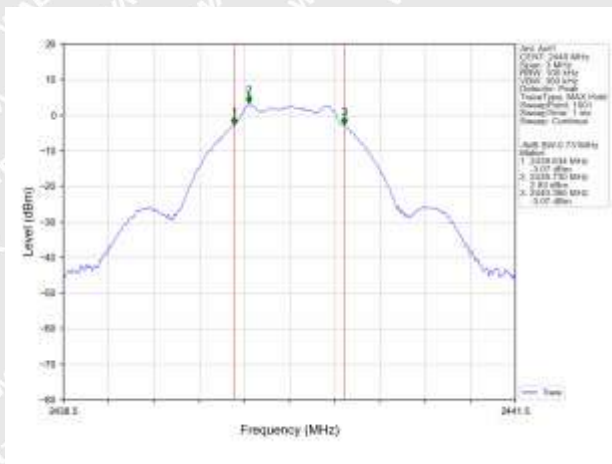




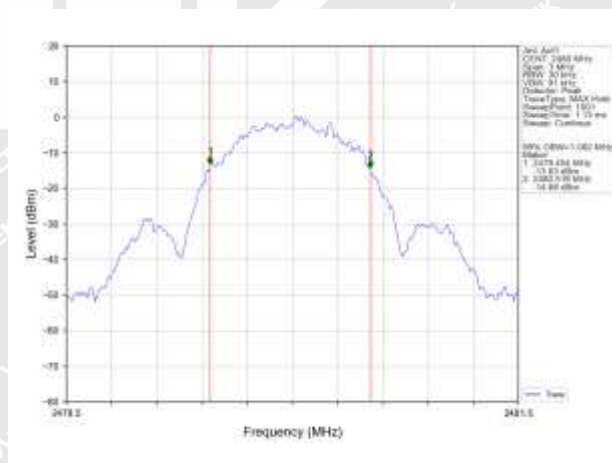
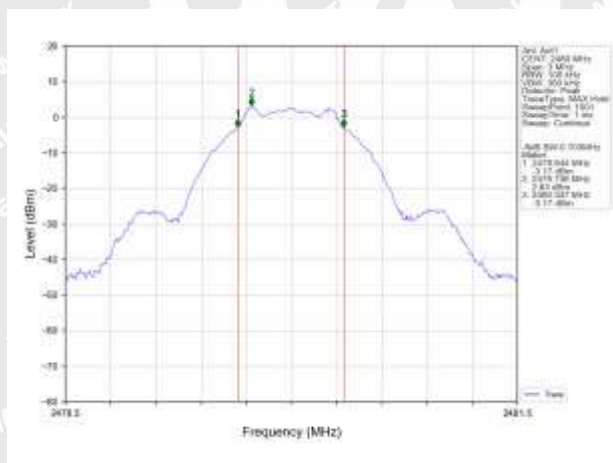
6 dB Bandwidth

99% Bandwidth

Mode: TX GFSK channel 19



Mode: TX GFSK channel 39



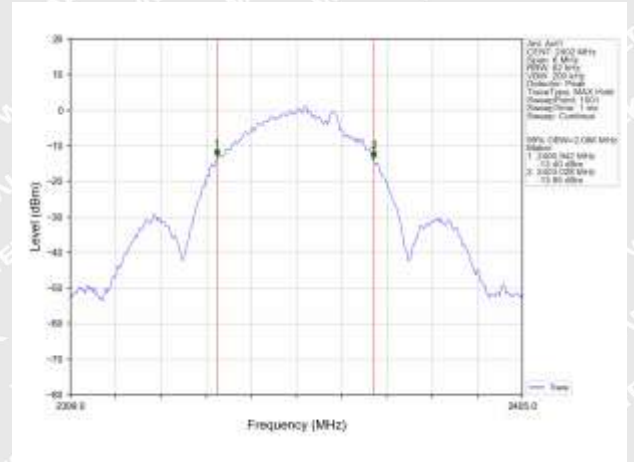
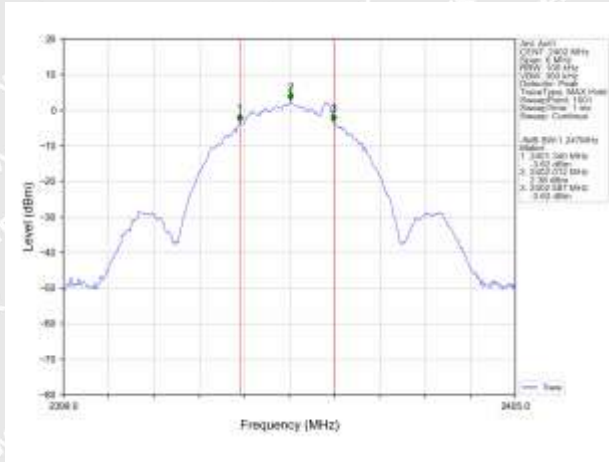


GFSK (LE 2M):

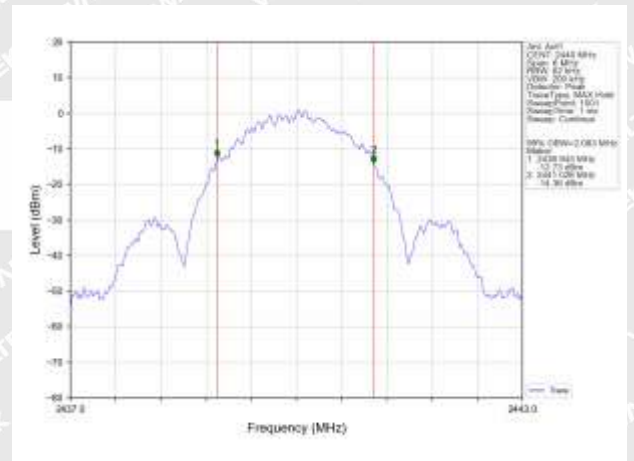
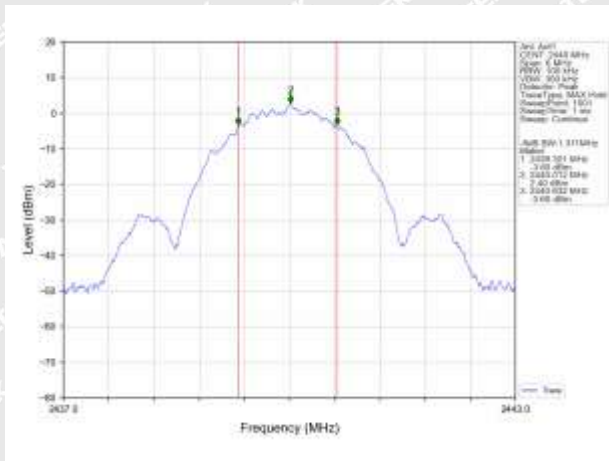
6 dB Bandwidth

99% Bandwidth

Mode: TX GFSK channel 0



Mode: TX GFSK channel 19



99% Bandwidth

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<http://www.waltek.com.cn>



12 Maximum Peak Output Power and EIRP

Test Requirement: RSS-247 5.4(d)

Test Method: ANSI C63.10-2020

Test Limit: For DTSS employing digital modulation techniques operating in the bands 902-928 MHz and 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W.

Test Mode: Transmitting

12.1 Test Procedure

ANSI C63.10-2020

For Maximum peak conducted output power measurement:

Subclause 11.9.1.1 of ANSI C63.10 is applicable.

For Maximum conducted(average) output power measurement:

Subclause 11.9.2 of ANSI C63.10 is applicable.

12.2 Test Result

Operation mode	Channel Frequency (MHz)	Maximum Peak Output Power (dBm)	Limit	EIRP (dBm)	Limit
GFSK (LE 1M)	Low-2402	4.09	1W/30dBm	7.02	4W/36dBm
	Middle-2440	3.90	1W/30dBm	6.83	4W/36dBm
	High-2480	3.65	1W/30dBm	6.58	4W/36dBm
GFSK (LE 2M)	Low-2402	4.10	1W/30dBm	7.03	4W/36dBm
	Middle-2440	3.91	1W/30dBm	6.84	4W/36dBm
	High-2480	3.63	1W/30dBm	6.56	4W/36dBm

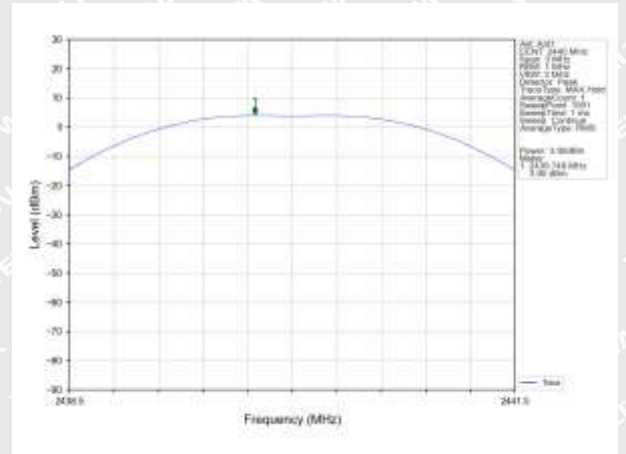
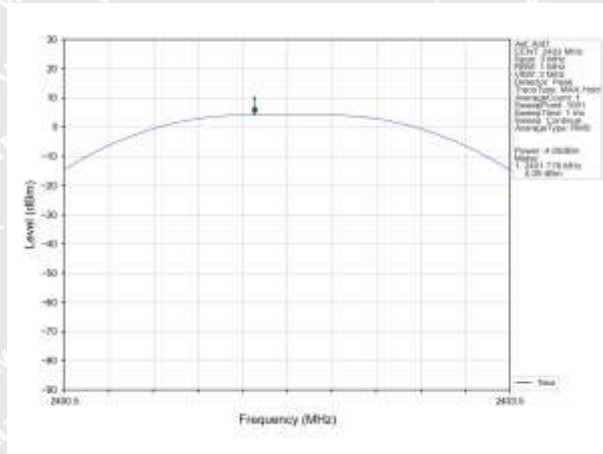


Test Plot

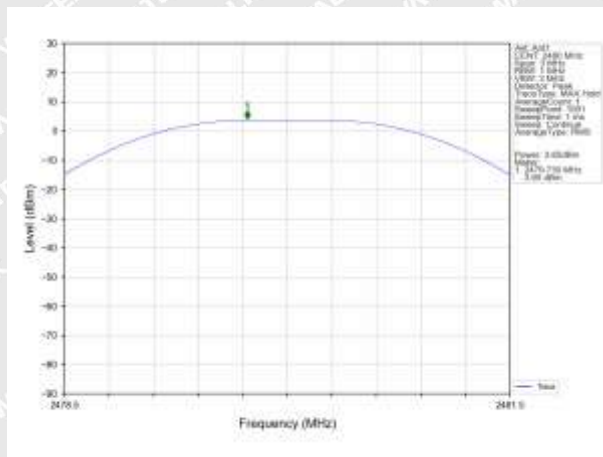
GFSK (LE 1M):

Mode: TX GFSK channel 0

Mode: TX GFSK channel 19



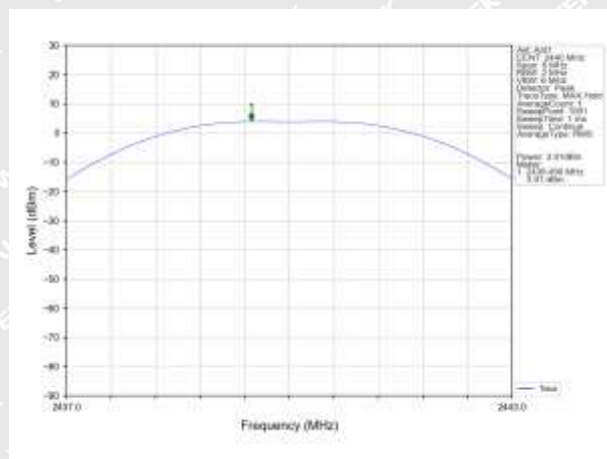
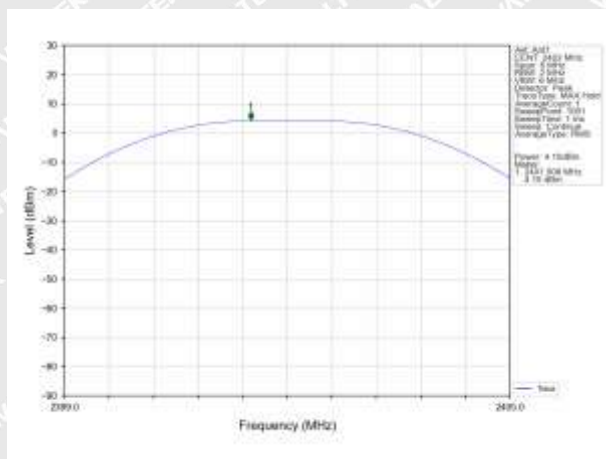
Mode: TX GFSK channel 39



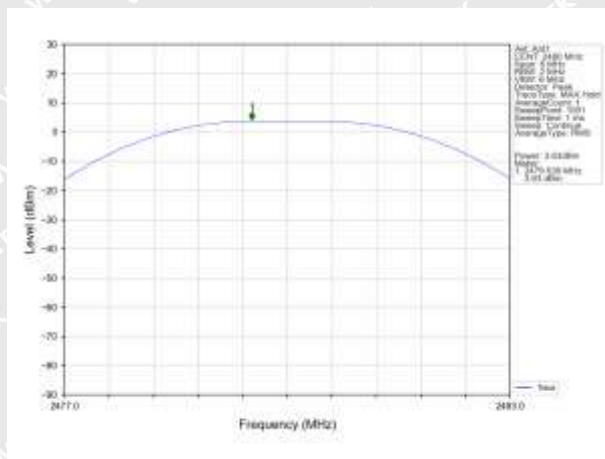
**GFSK (LE 2M):**

Mode: TX GFSK channel 0

Mode: TX GFSK channel 19



Mode: TX GFSK channel 39





13 Power Spectral density

Test Requirement: RSS-247 5.2(b)

Test Method: ANSI C63.10-2020

Test Limit: The transmitter power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

Test Mode: Transmitting

13.1 Test Procedure

ANSI C63.10-2020

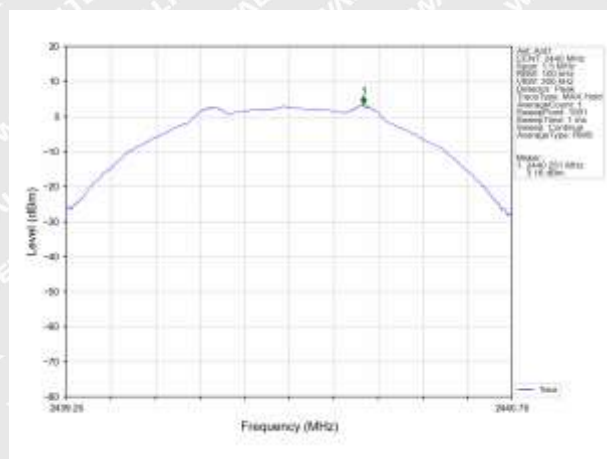
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 3kHz. VBW = 10kHz , Span = 1.5 times the DTS channel bandwidth(6 dB bandwidth). Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Use the peak marker function to determine the maximum amplitude level.

13.2 Test Result

Operation mode	Channel Frequency (MHz)	Power Spectral (dBm per 3kHz)	Limit
GFSK (LE 1M)	Low-2402	3.38	8dBm per 3kHz
	Middle-2440	3.16	8dBm per 3kHz
	High-2480	2.80	8dBm per 3kHz
GFSK (LE 2M)	Low-2402	2.80	8dBm per 3kHz
	Middle-2440	2.58	8dBm per 3kHz
	High-2480	2.29	8dBm per 3kHz

GFSK (LE 1M):

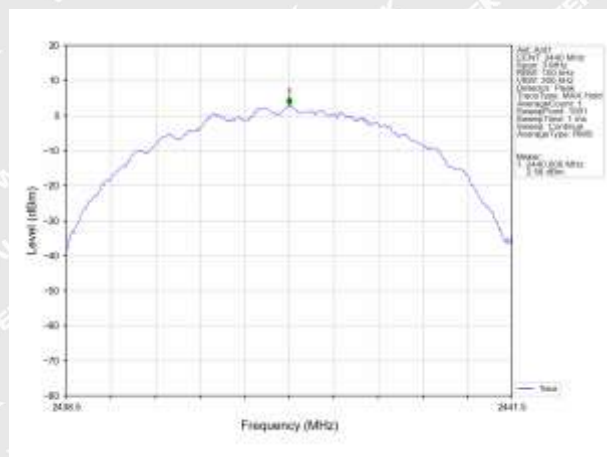
Mode: TX GFSK channel 19



Ref: 2475
S.Freq: 2475.000 MHz
Span: 10.000 MHz
PLevel: 1.00 dBm
ARef: 2475.000 MHz
ARefType: Peak
Sweep Time: 0.000 sec
Average Count: 1
Resolved: 0.000
Sample Rate: 1.00 MHz
Window: Constant
Average Type: Peak

Note: 1.00 dBm = 1.00 dBm

Mode: TX GFSK channel 19



Ant: J341
LCH1: 2480 MHz
Span: 10 MHz
PLevel: 150 dBm
ARef: 200.0 Hz
Antenna: PNA
Freq Type: Main Freq
Averaging: Cont
Resolved: Yes
Sweep Time: 1 s
Format: Cordic
Averaging Type: PNA

Marker: 1 2480.000 MHz
5.20 dBm



14 Antenna Requirement

According to the RSS-Gen Section 6.8, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. This product has a Ceramic Antenna fulfil the requirement of this section.

Note: Please refer to EUT photos for more details.

15 RF Exposure

Note: Please refer to RF Exposure Report: WTU26D02040334W004.

16 Photographs of test setup and EUT.

Note: Please refer to appendix: Appendix-CVP-0401-Photos.

=====End of Report=====

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