



TEST REPORT

Reference No...... : WTU26D02040334W003
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.

Prepared By:

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTU26D02040334W003	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

Wi-Fi Specification: 802.11b/g/n

Hardware Version: V2.0 Rev0.3

Software Version: v06.04.51

4.2 Details of E.U.T.

Operation Frequency: 802.11b/g/n HT20: 2412~2462MHz

Max. RF output power: 11.56dBm

Type of Modulation: DSSS, OFDM

Antenna installation: Ceramic Antenna

Antenna Gain: 3.77dBi

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

Wi-Fi

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2452	10	2457	11	2462	12	-



4.4 Test Mode

Table 1 Tests Carried Out Under RSS-247

Test Items	Mode	Data Rate	Channel	TX/RX
Maximum Conducted Output Power and EIRP	802.11b	1 Mbps	1/6/11	TX
	802.11g	6 Mbps	1/6/11	TX
	802.11n HT20	MCS0	1/6/11	TX
Power Spectral Density	802.11b	1 Mbps	1/6/11	TX
	802.11g	6 Mbps	1/6/11	TX
	802.11n HT20	MCS0	1/6/11	TX
6dB Bandwidth and 99% Bandwidth	802.11b	1 Mbps	1/6/11	TX
	802.11g	6 Mbps	1/6/11	TX
	802.11n HT20	MCS0	1/6/11	TX
Band Edge	802.11b	1 Mbps	1/6/11	TX
	802.11g	6 Mbps	1/6/11	TX
	802.11n HT20	MCS0	1/6/11	TX
Transmitter Spurious Emissions	802.11b	1 Mbps	1/6/11	TX
	802.11g	6 Mbps	1/6/11	TX
	802.11n HT20	MCS0	1/6/11	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.



4.5 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.

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5 Test Summary

Test Items	Test Requirement	Result
Radiated Emissions	RSS-Gen 8.9 RSS-247 5.5	PASS
Conducted Spurious Emissions	RSS-247 5.5	PASS
Conducted Emissions	RSS-Gen 8.8	PASS
6dB Bandwidth and 99% Bandwidth	RSS-247 5.2(a)	PASS
Maximum Conducted Output Power and EIRP	RSS-247 5.4(d)	PASS
Power Spectral Density	RSS-247 5.2(b)	PASS
Band Edge	RSS-Gen 8.9 RSS-247 5.5	PASS
Antenna Requirement	RSS-Gen Section 7.1.2	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	2025-07-04	2026-07-03
2	Spectrum Analyzer	Agilent	N9020A	MY49100060	2025-07-04	2026-07-03
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 Duty Cycle

Type of Modulation	On time ms	Period ms	Duty Cycle linear	Duty Cycle %	Duty Cycle Factor(dB)	Average Factor(dB)
802.11b	100.000	100.000	1.00	100.00	0.00	0.00
802.11g	5.484	5.500	1.00	99.71	0.01	-0.03
802.11n-HT20	5.081	5.096	1.00	99.71	0.01	-0.03

Remark:

Duty cycle=On Time/period;

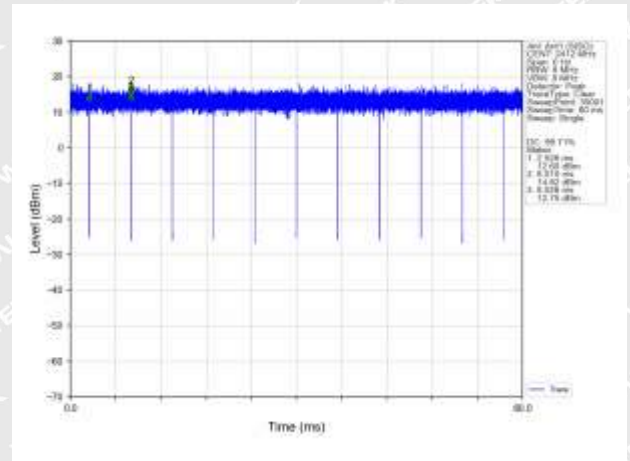
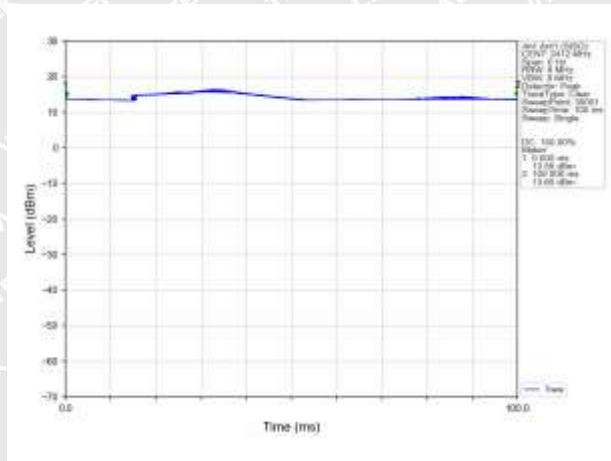
Duty cycle factor= $10 \cdot \log(1/\text{Duty cycle})$;

Average factor= $20 \log_{10} \text{Duty cycle}$

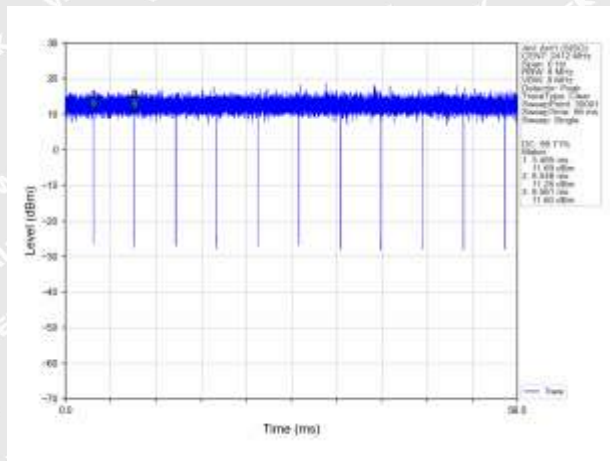
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Wi-Fi 802.11g



Wi-Fi 802.11n-HT20





8 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 .5	66 t 56*	56 to 46*
0. to 5	56	46
5 to 30	60	50

*Decreases with the logarithm of the frequency.

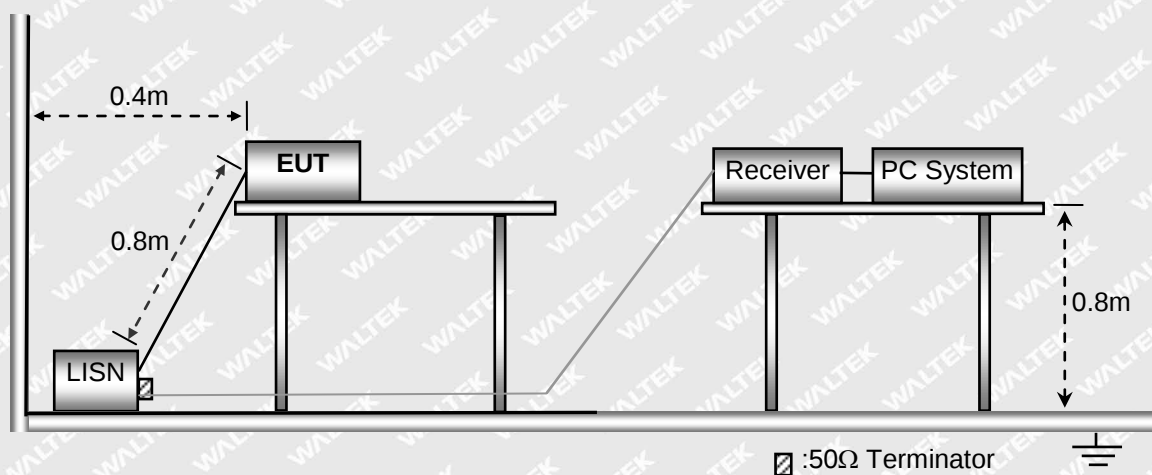
8.1 E.U.T. Operation

Operating Environment:
 Temperature: 25.5°C
 Humidity: 49.2% RH
 Atmospheric Pressure: 101.2kPa
 EUT Operation:

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

8.2 EUT Setup

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



8.3 Measurement Description

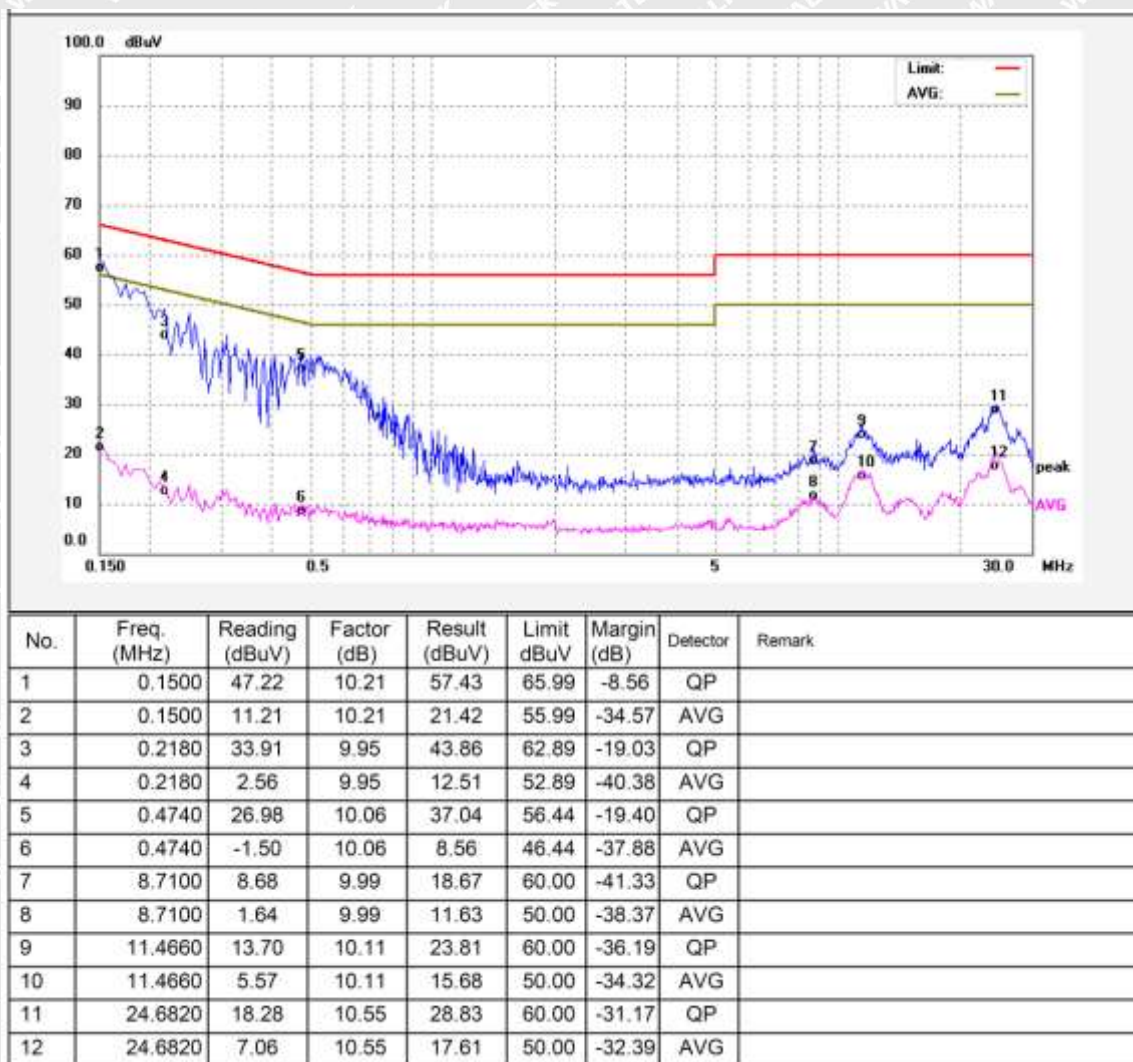
The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.



8.4 Conducted Emission Test Result

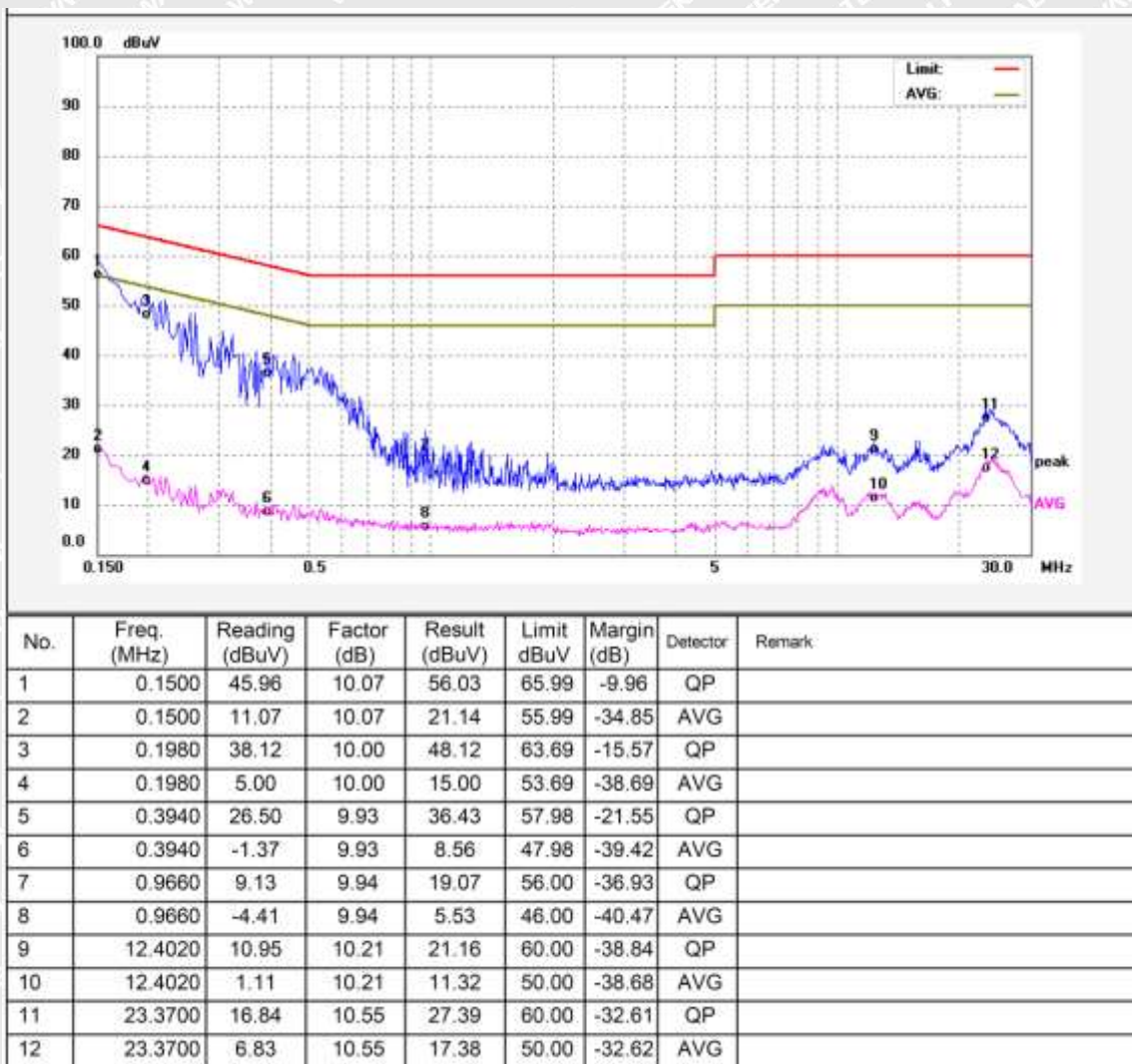
Remark: only the worst data (TX 11b mode High channel mode) were reported

Live line:





Neutral line:





9 Radiated Emissions

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

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	$20\log^{(500)}$

9.1 EUT Operation

Operating Environment :

Temperature: 23.5 °C

Humidity: 52.1 % RH

Atmospheric Pressure: 101.2kPa

EUT Operation:

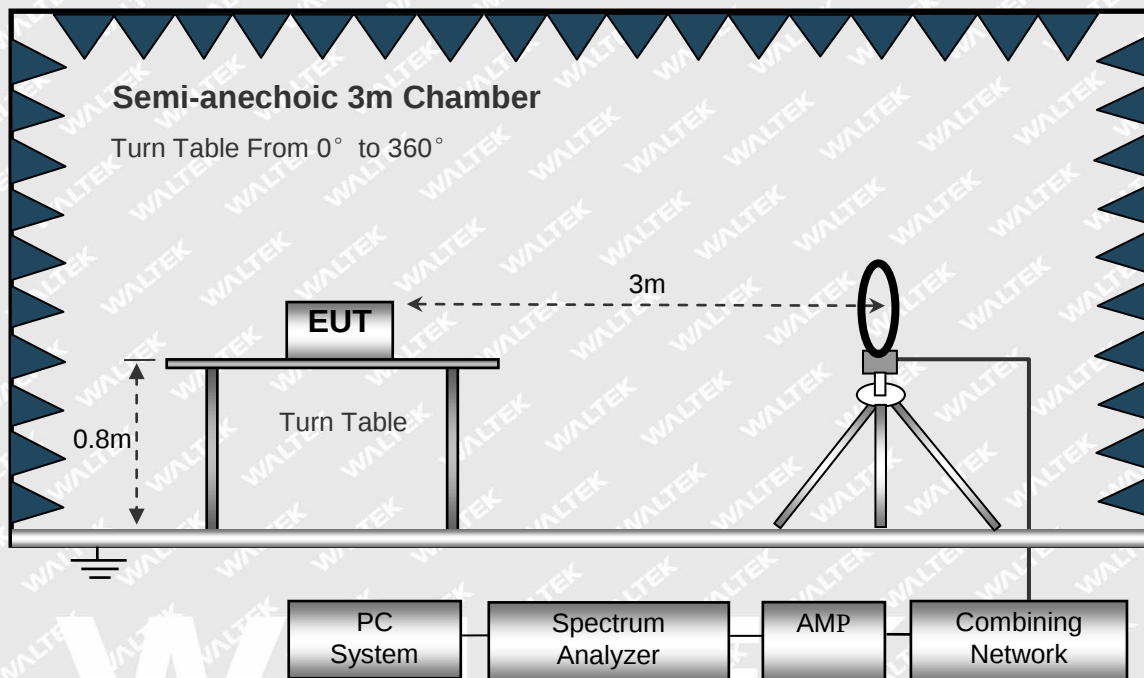
The test was performed in transmitting mode, the test data were shown in the report.



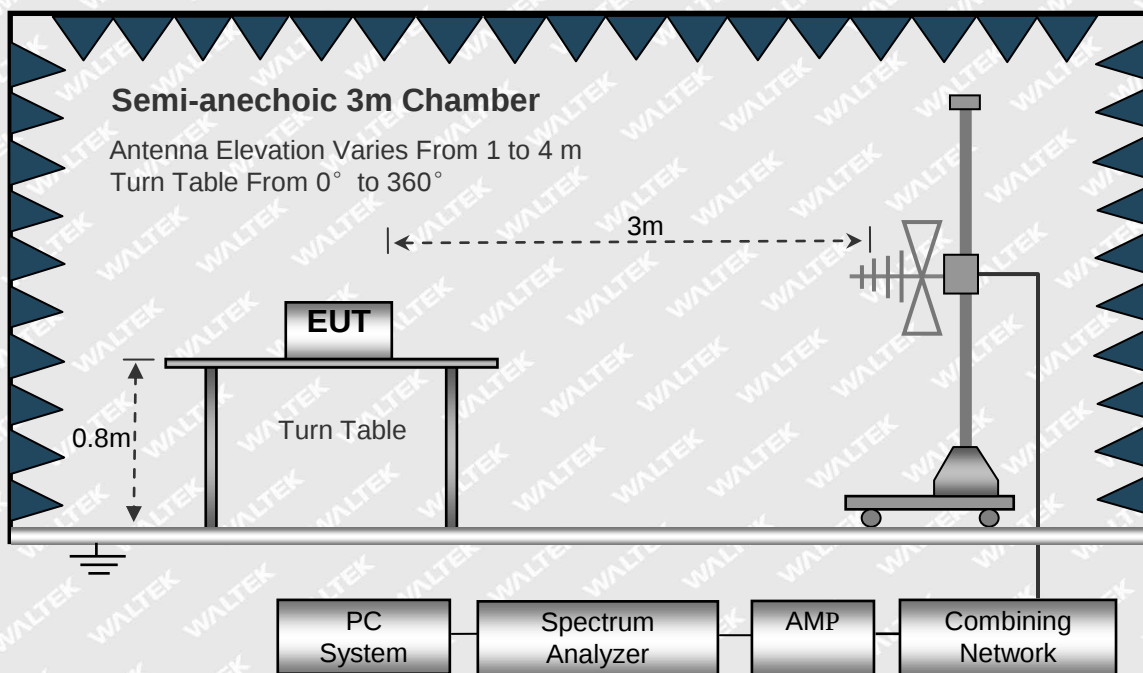
9.2 Test Setup

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.

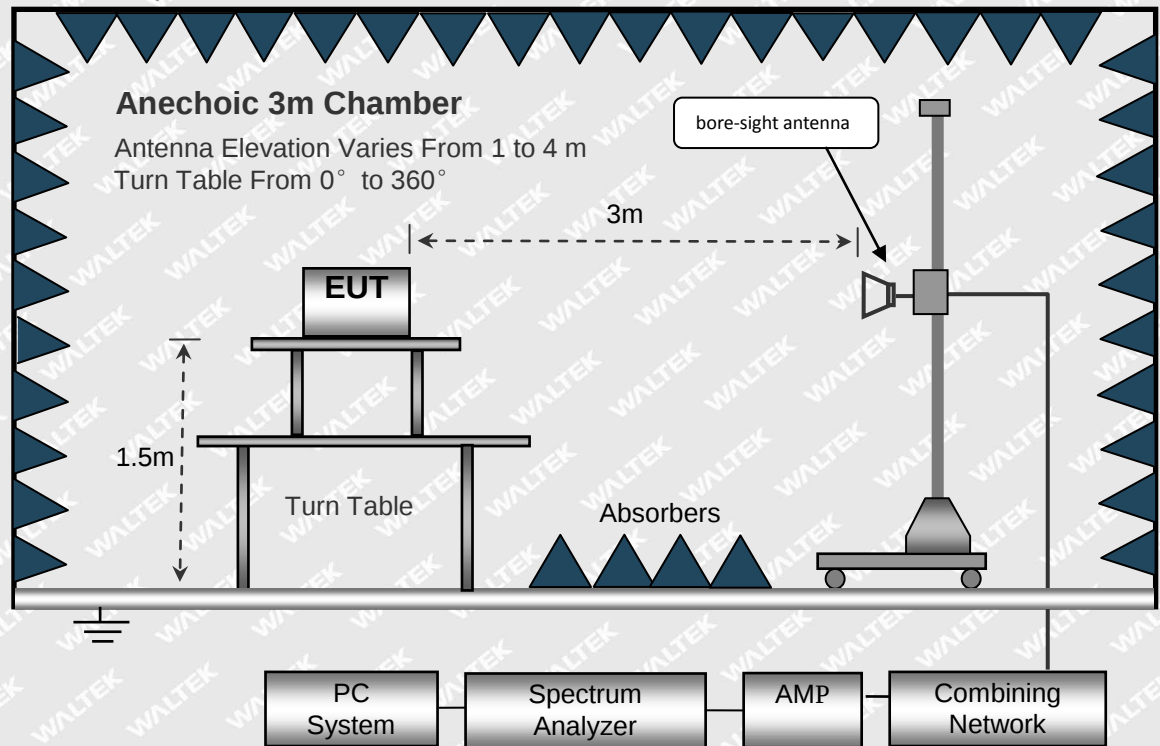


The test setup for emission measurement from 30 MHz to 1 GHz.





The test setup for emission measurement above 1 GHz.



9.3 Spectrum Analyzer Setup

Below 30MHz

Sweep Speed Auto
IF Bandwidth10kHz
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



9.4 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.

9.5 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:

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



9.6 Summary of Test Results

Remark: Only the worst case 11b mode were record in the report.

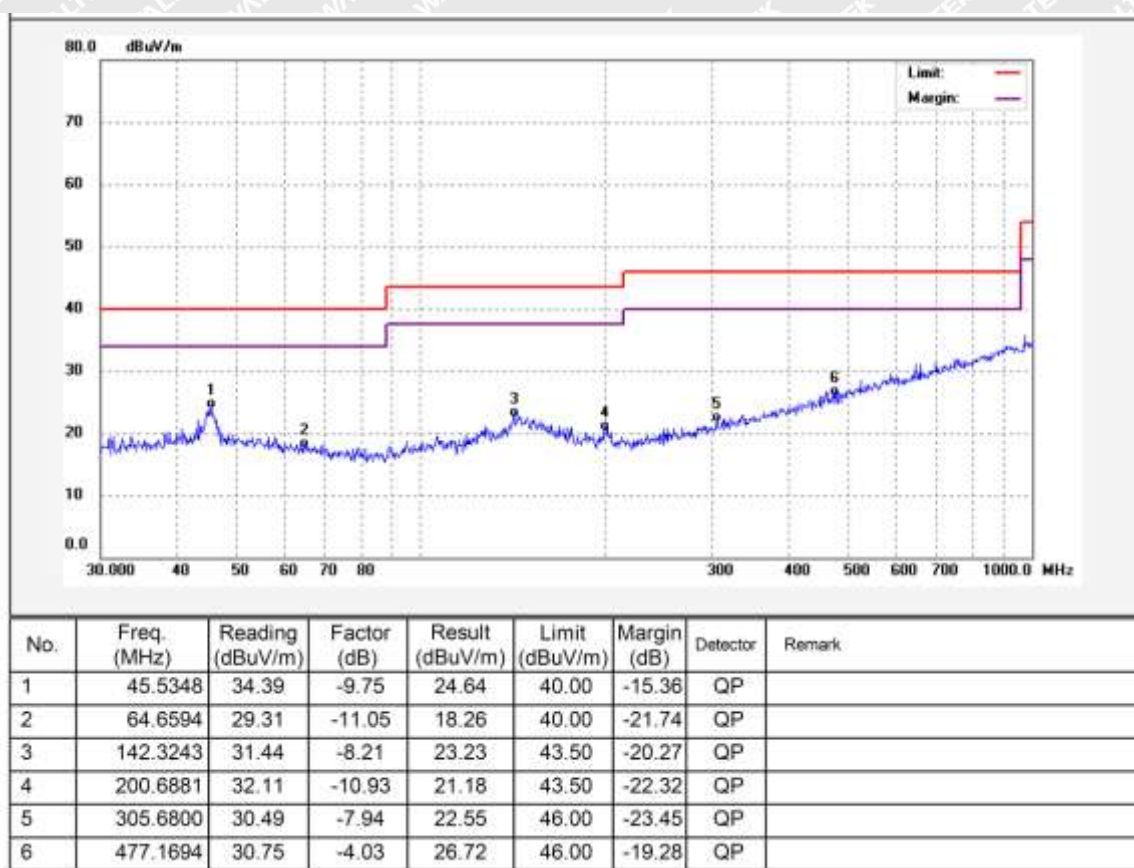
Test Frequency: 9kHz ~ 30MHz

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

Test Frequency: 30MHz ~ 1GHz

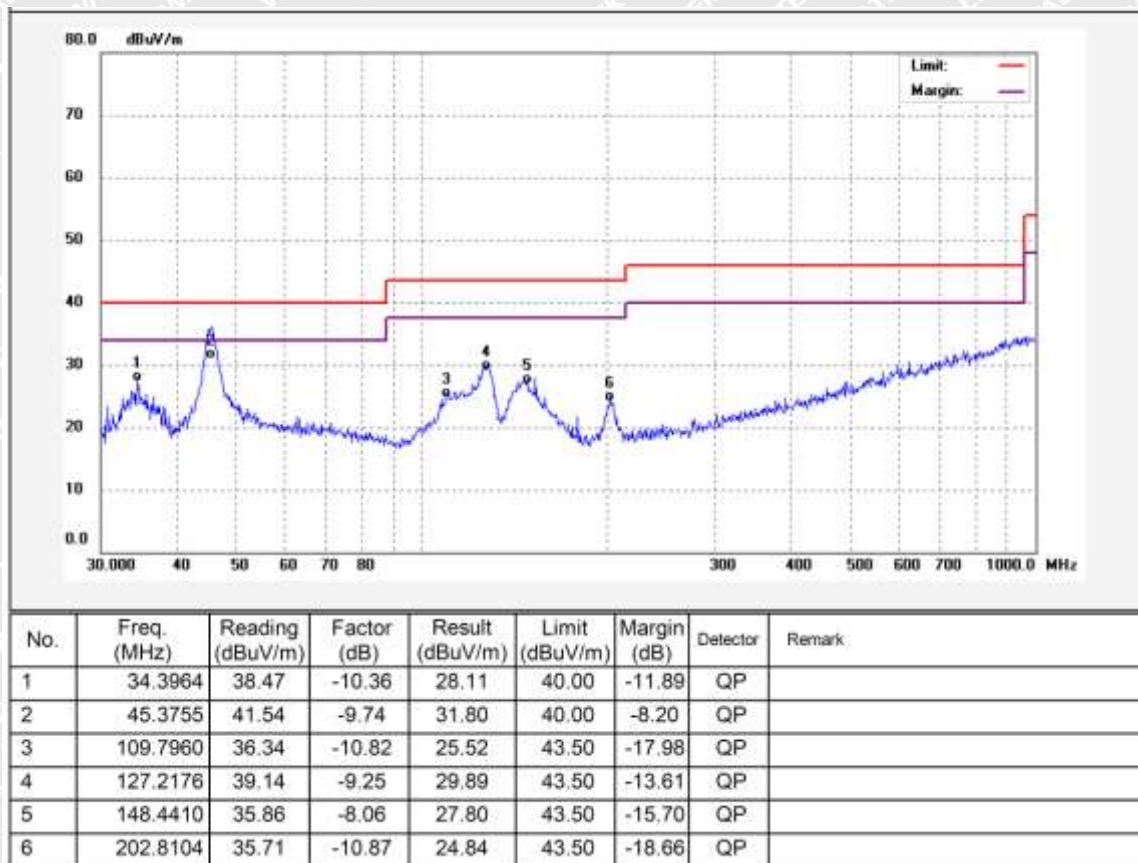
Worst case Low-2412:

Antenna Polarization: Horizontal



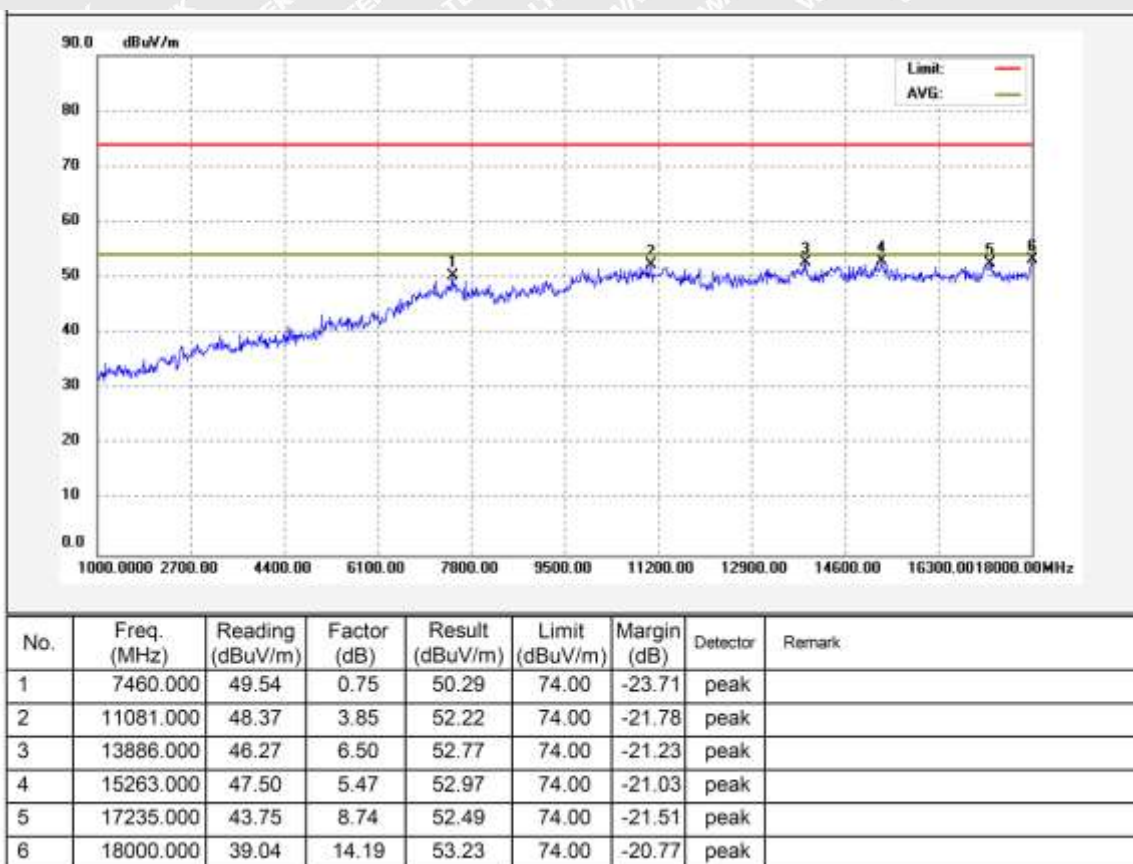


Antenna Polarization: Vertical



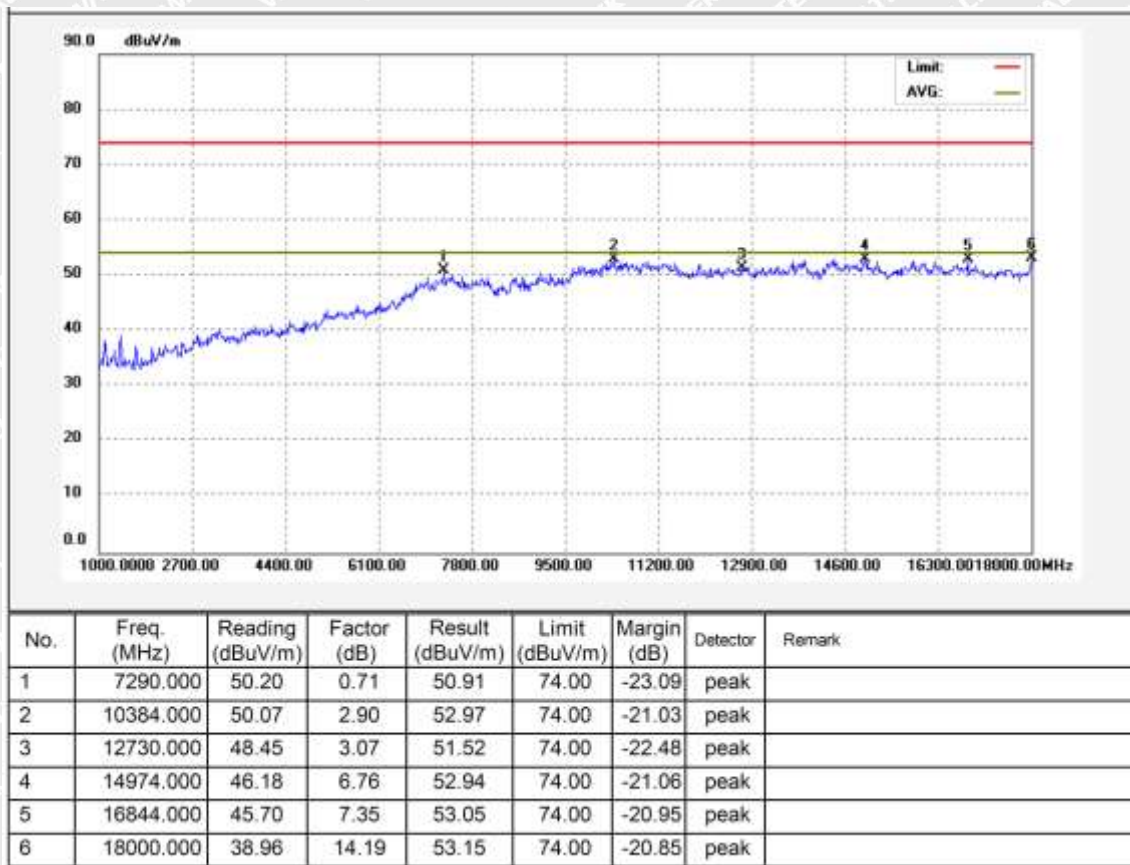
**Test Frequency: 1GHz ~ 18GHz****Low-2412:**

Antenna Polarization: Horizontal





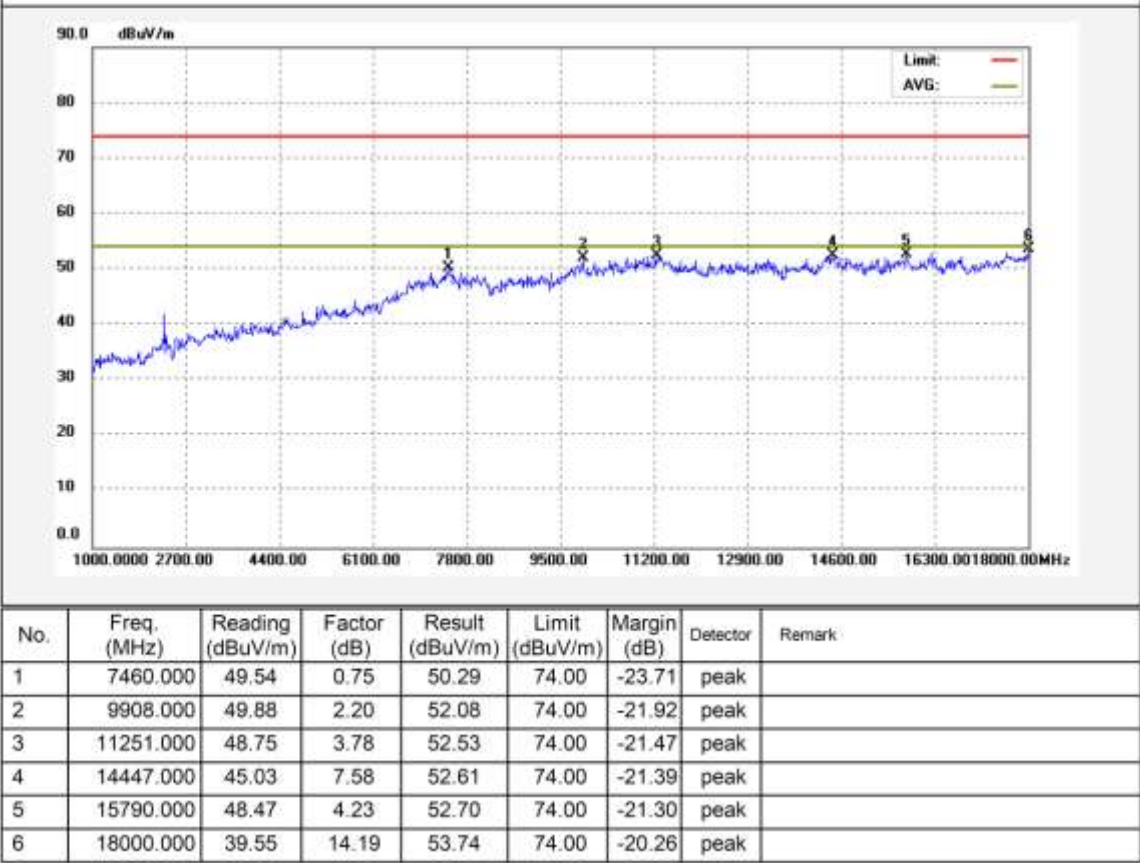
Antenna Polarization: Vertical





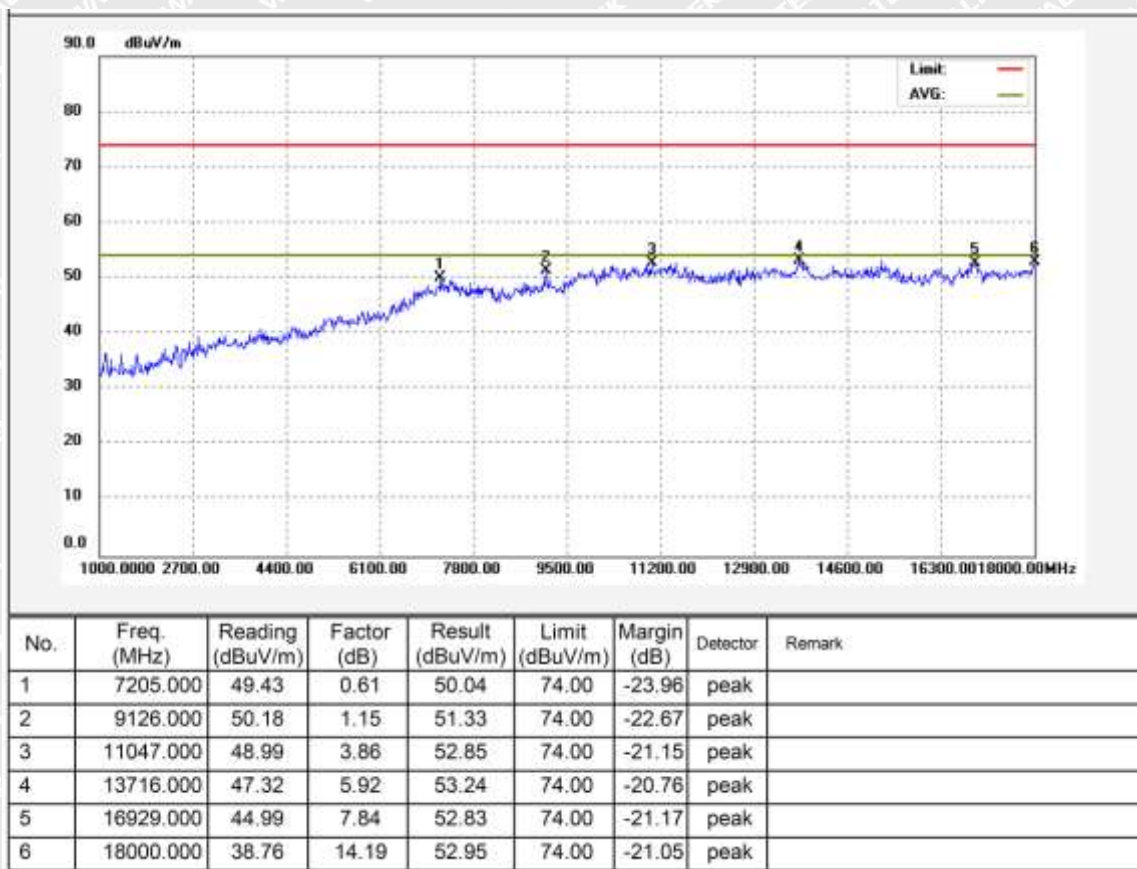
Middle-2437:

Antenna Polarization: Horizontal





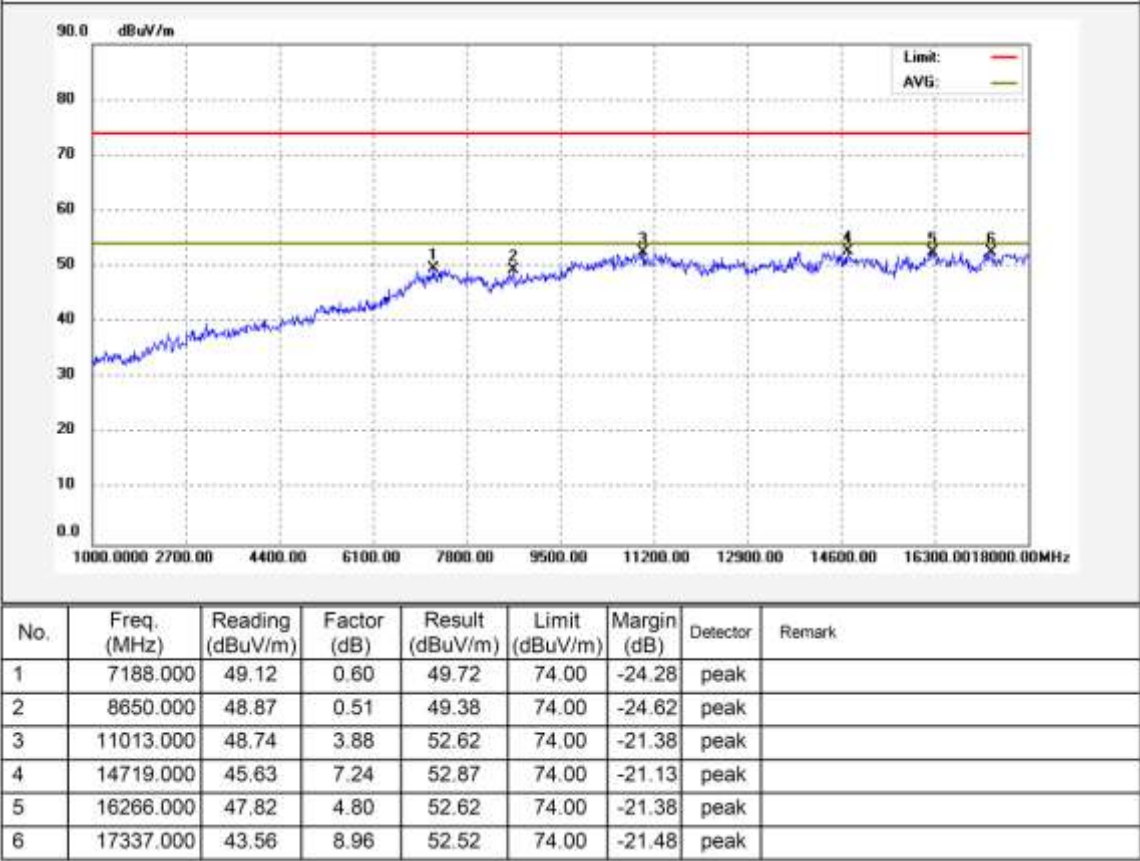
Antenna Polarization: Vertical





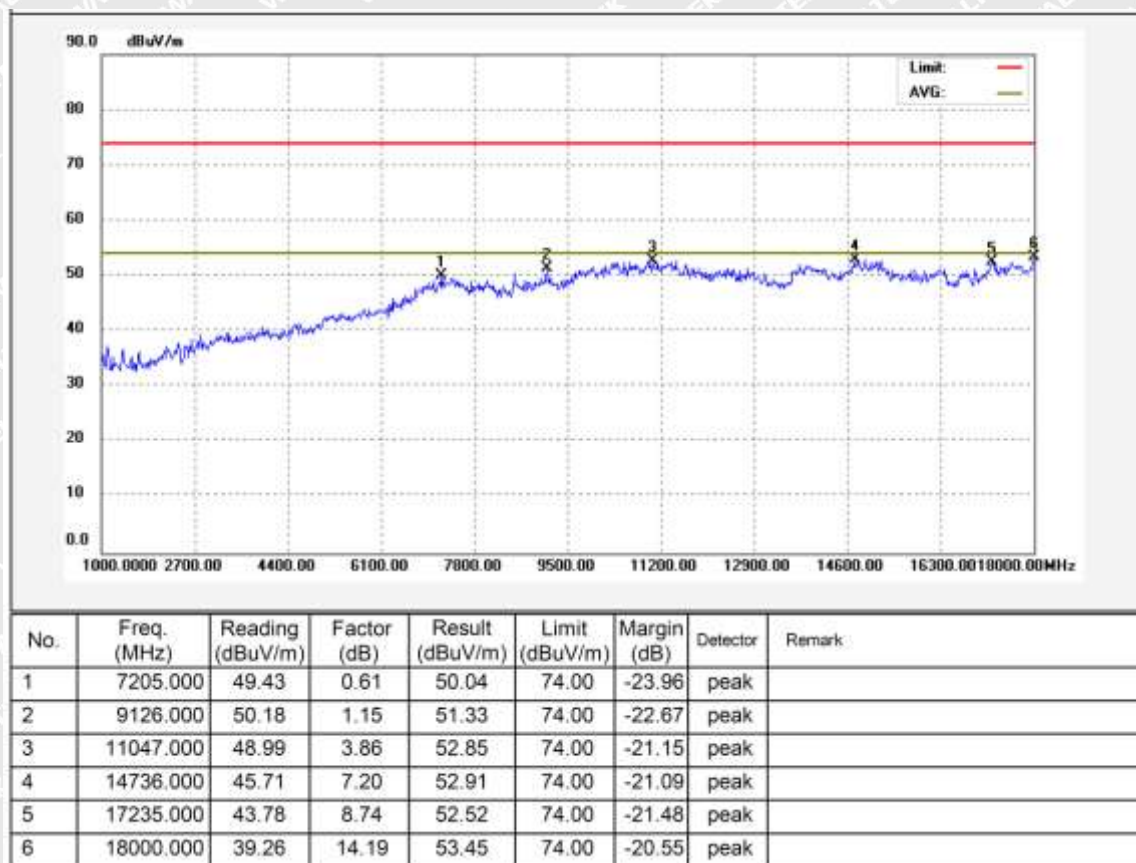
High-2462:

Antenna Polarization: Horizontal





Antenna Polarization: Vertical

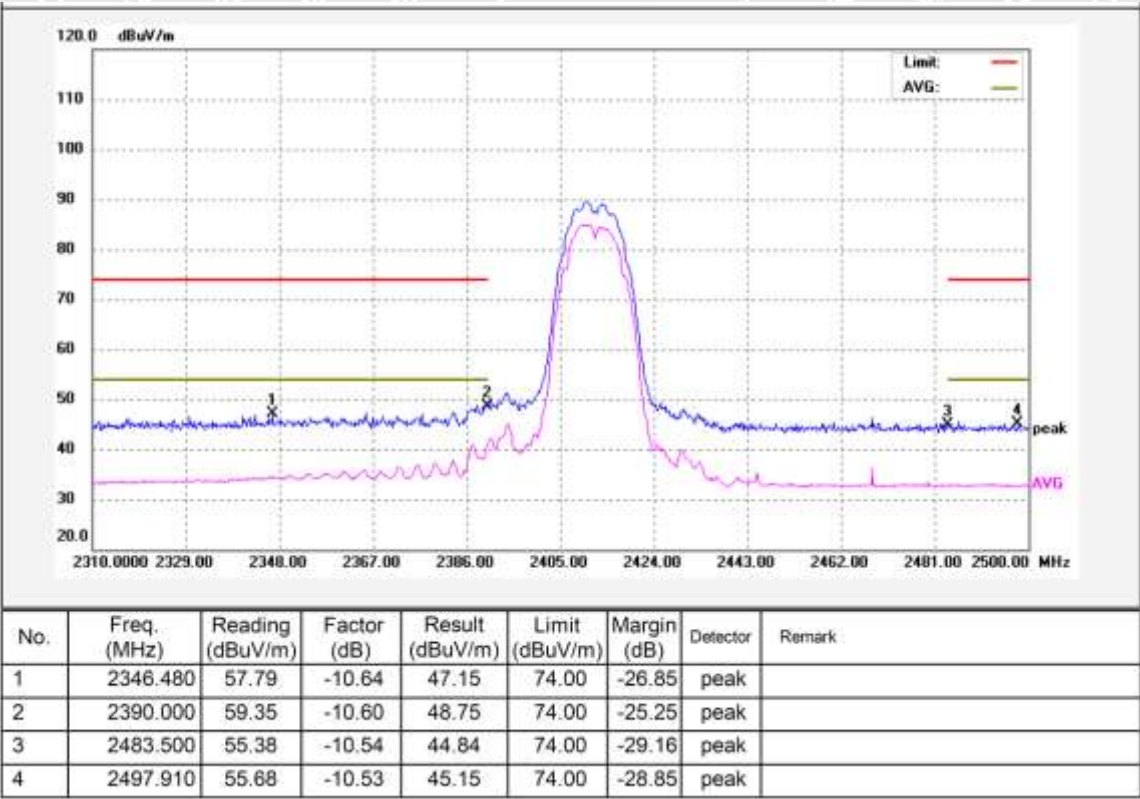




Radiated Restricted Band Emission

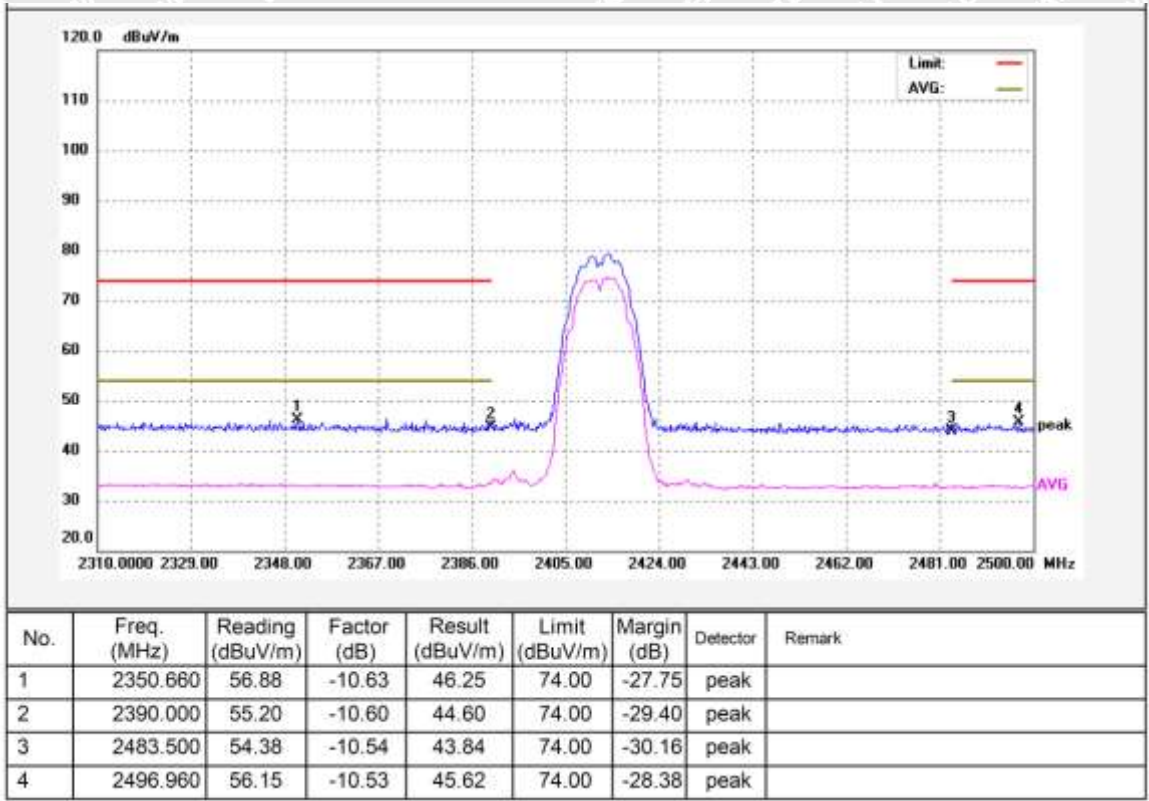
Low-2412:

Antenna Polarization: Horizontal





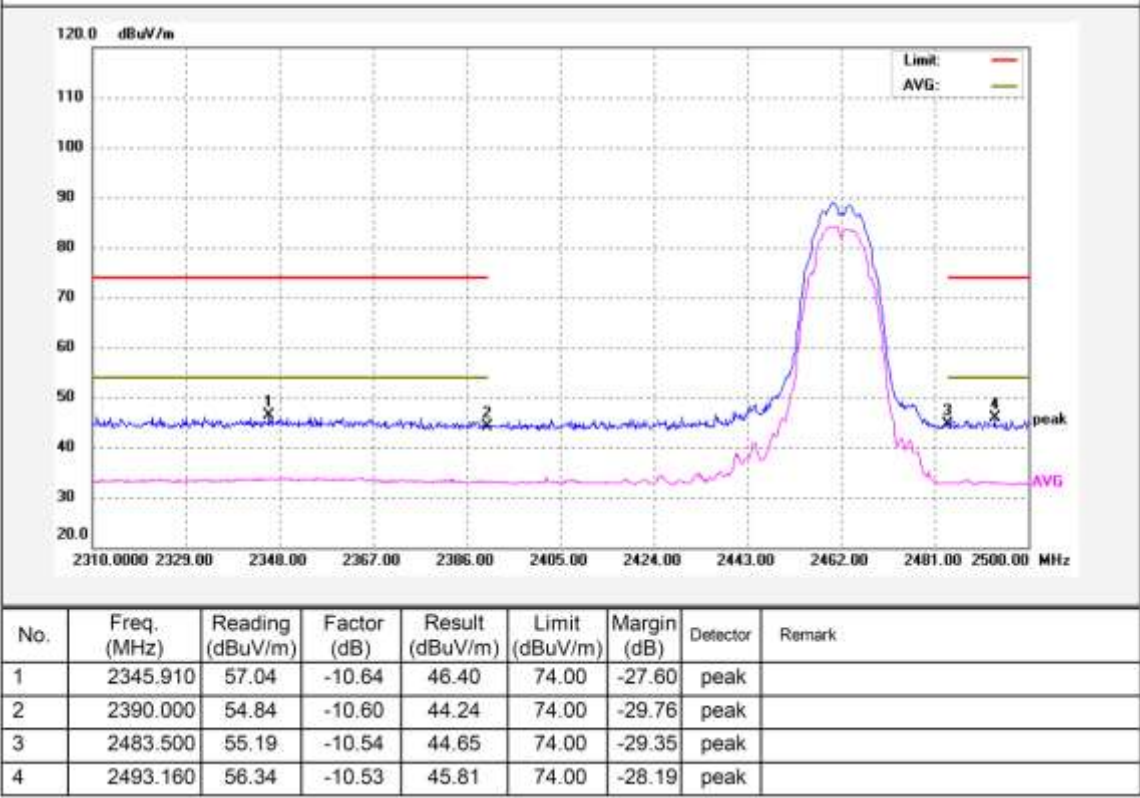
Antenna Polarization: Vertical





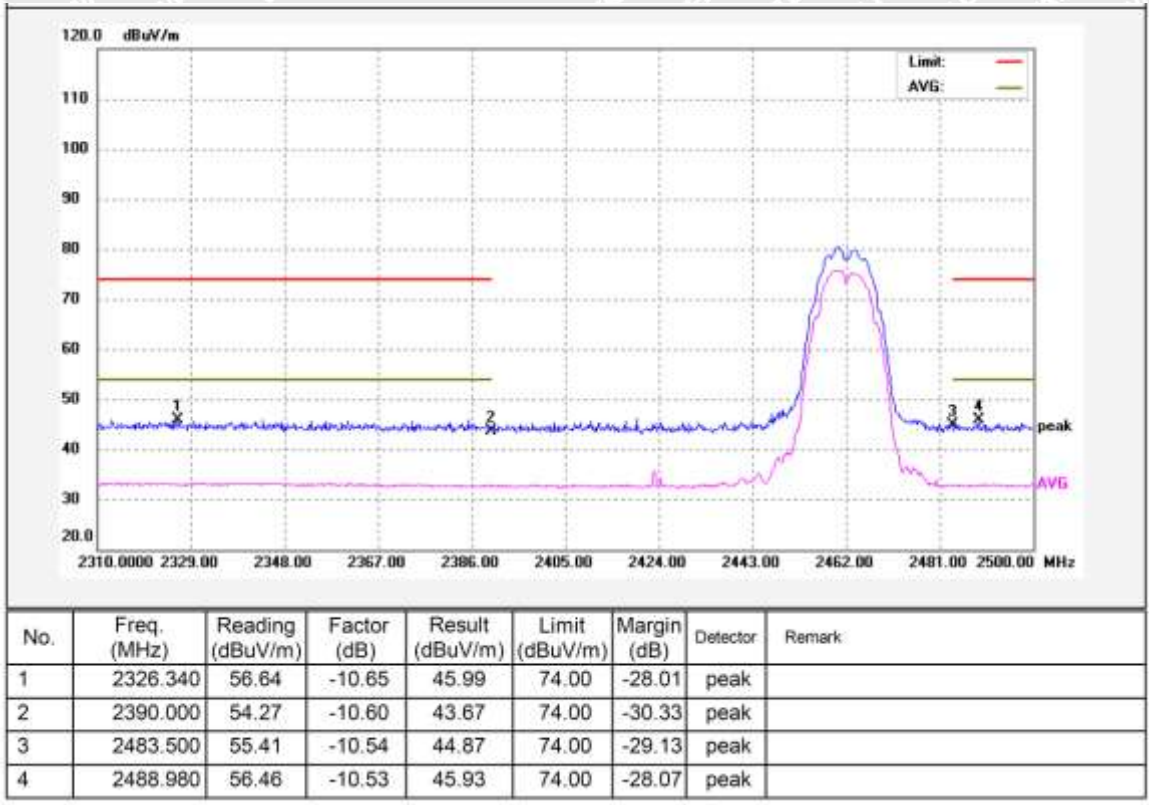
High-2462:

Antenna Polarization: Horizontal





Antenna Polarization: Vertical



Test Frequency: 18GHz~25GHz

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



10 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..

10.1 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:

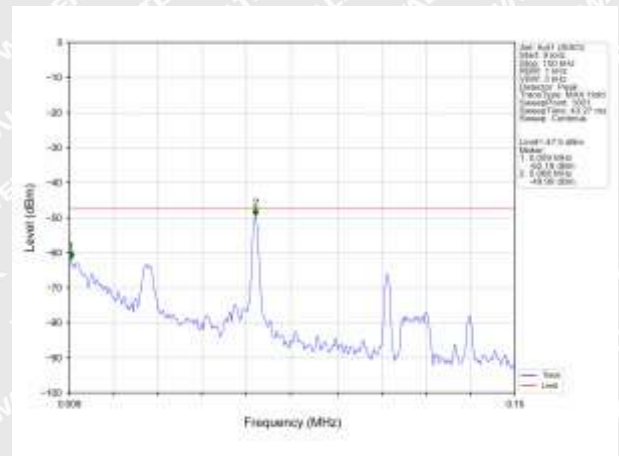
RBW = 100kHz, VBW = 300kHz, Sweep = auto

Detector function = peak, Trace = max hold

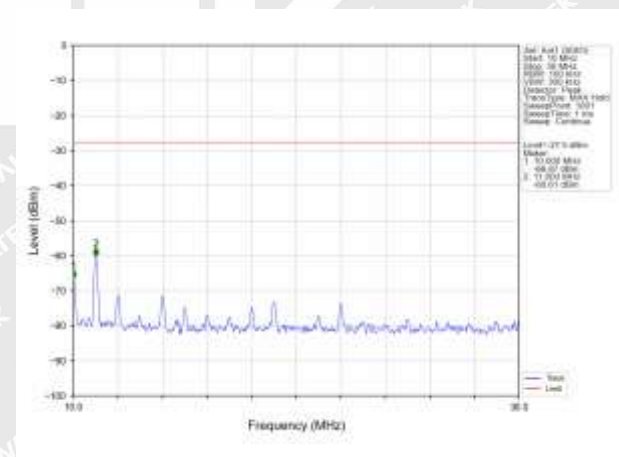


11b_channel 1

9kHz-150kHz

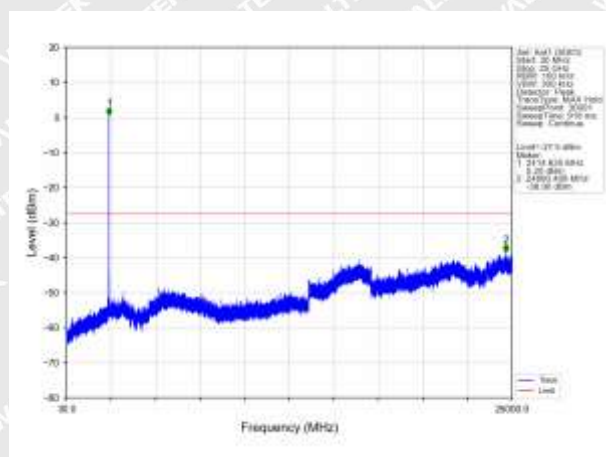


10MHz-30MHz





30MHz-25GHz



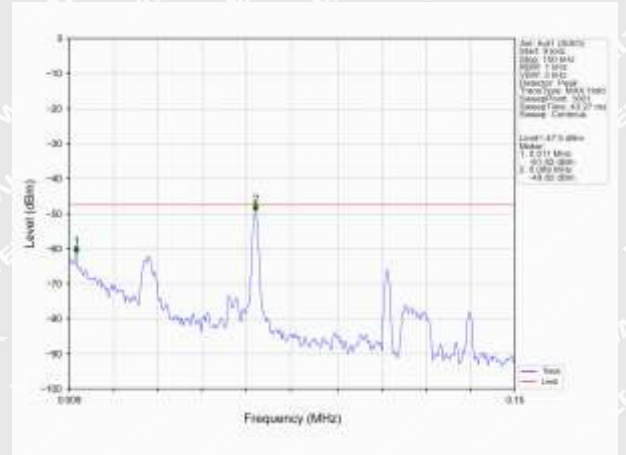
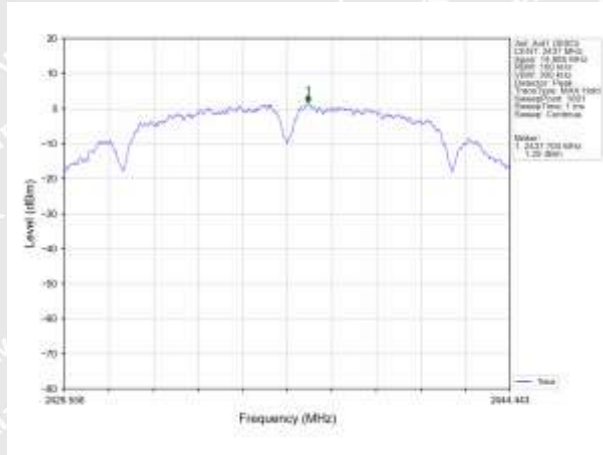
WALTEK



11b_channel 6

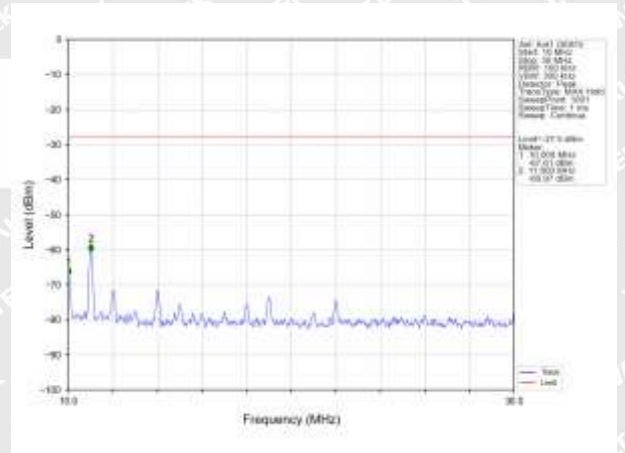
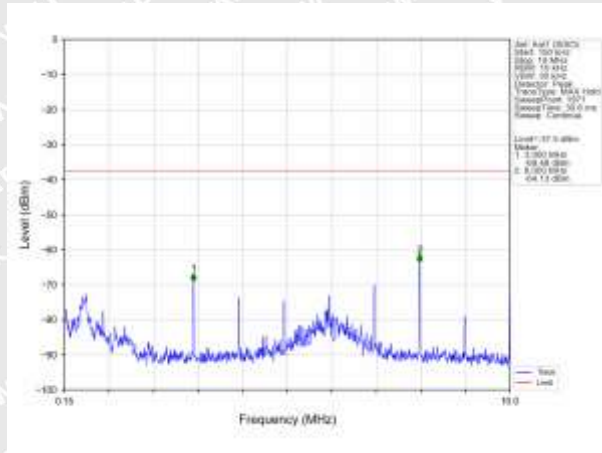
Ref

9kHz-150kHz



150kHz-10MHz

10MHz-30MHz





Level (dBm)

Frequency (MHz)

20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

100.0 2000.0

Ref: Ref1 (dBm)
Start: 20 MHz
Stop: 20 GHz
Sweep: 100 kHz
View: 100 Hz
Marker: 1000
View Type: Main
Marker View: 2000
Sweep Type: 100 Hz
Sweep: Continuous

Level: 27.5 dBm
Marker
1: 27.5 dBm
1: 27.5 dBm
S: 27.5 dBm
100.0 MHz
100.0 MHz

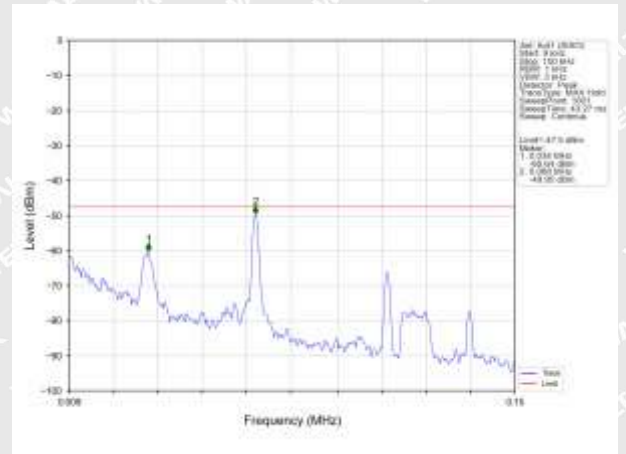
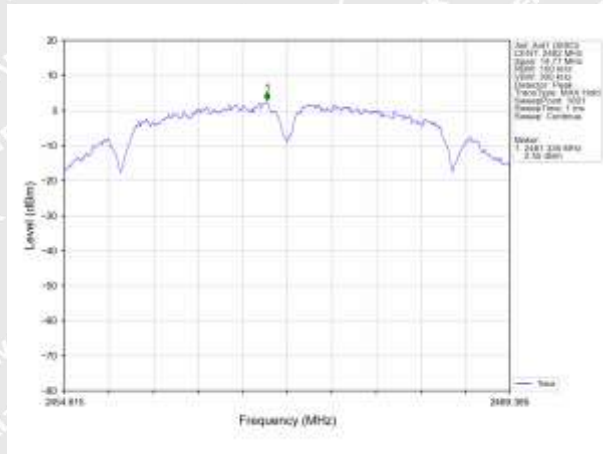
Line
Level



11b_channel 11

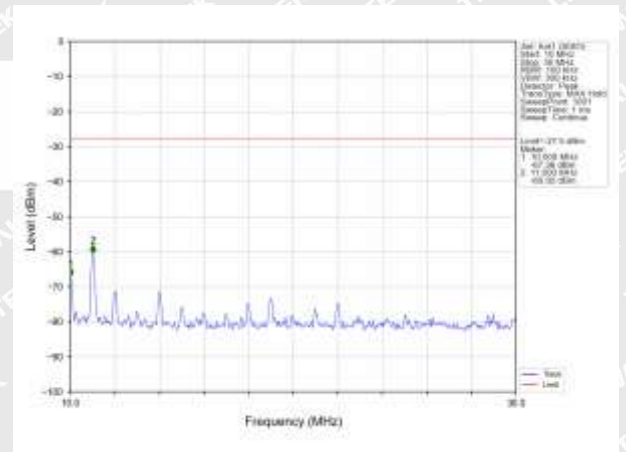
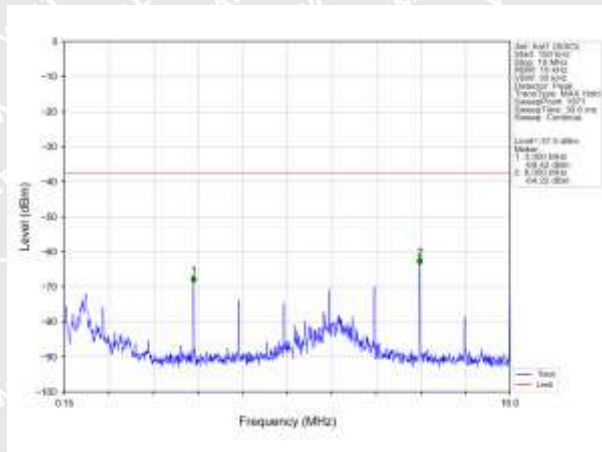
Ref

9kHz-150kHz



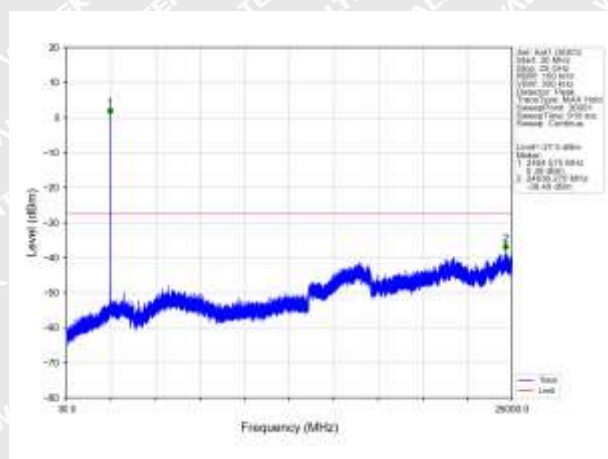
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz

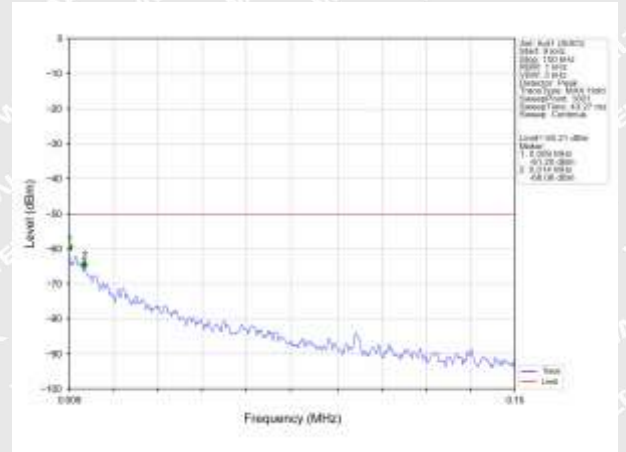
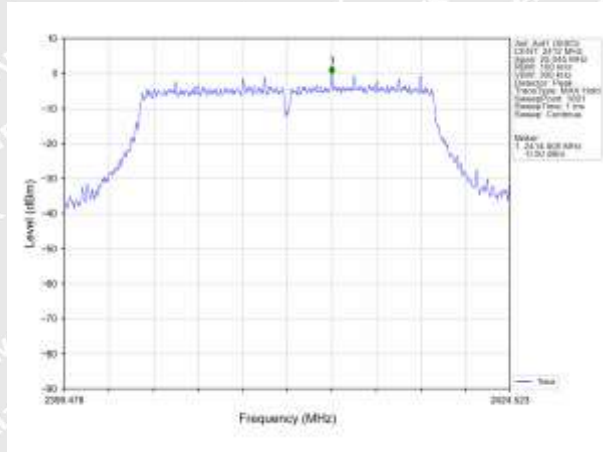




11g_channel 1

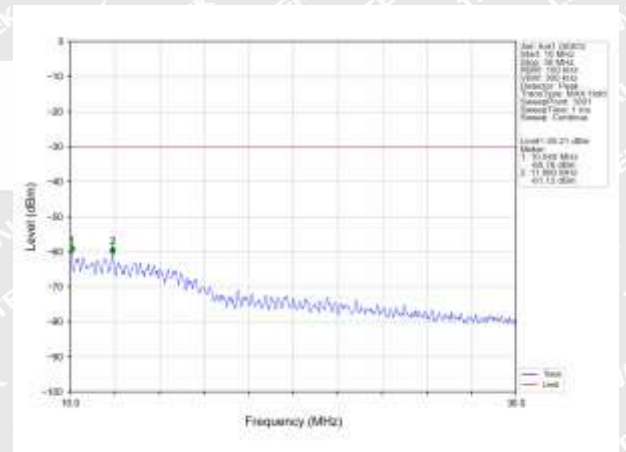
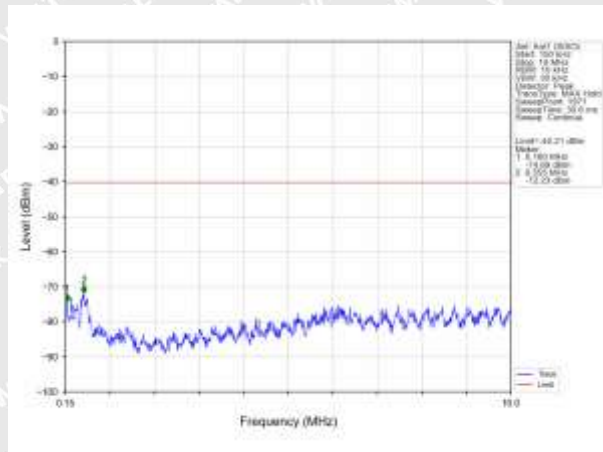
Ref

9kHz-150kHz



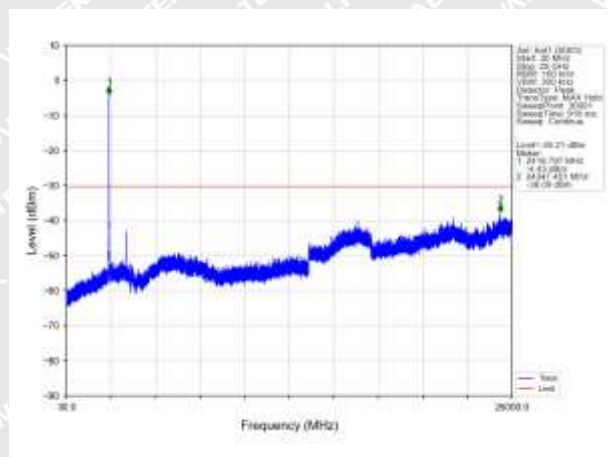
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



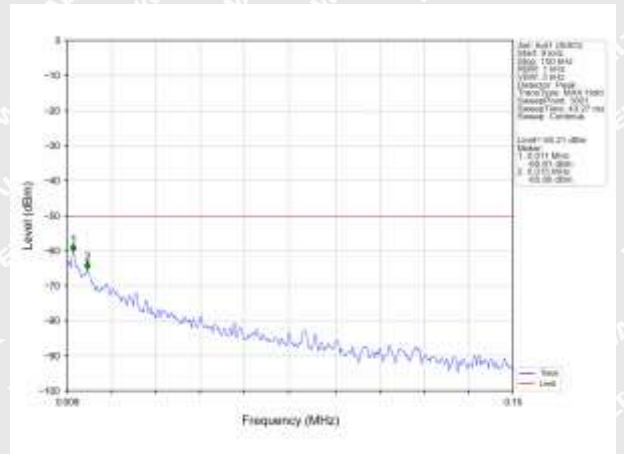
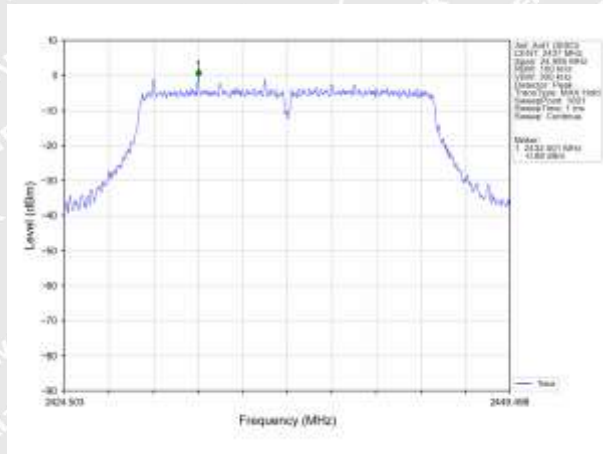
WALTEK



11g_channel 6

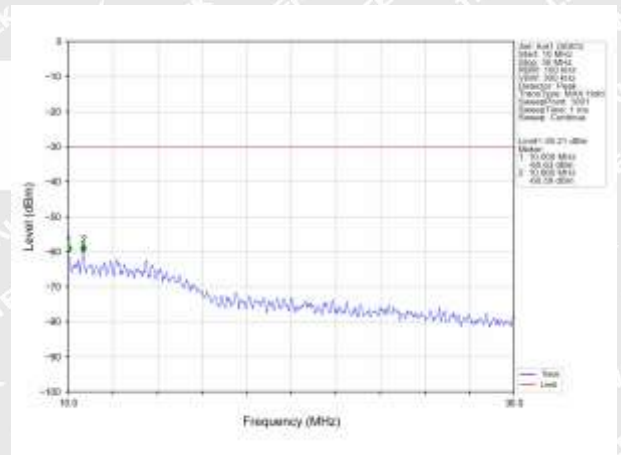
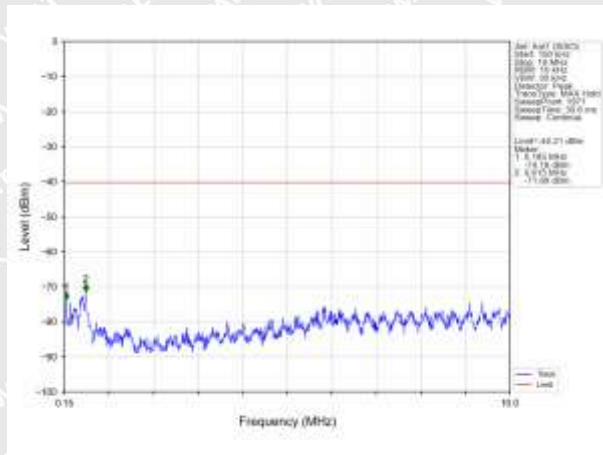
Ref

9kHz-150kHz



150kHz-10MHz

10MHz-30MHz



Jul 04/1 10:00:00
 Start: 20 MHz
 Stop: 28.04
 Span: 100 kHz
 View: 500 Hz
 (Detector: Span)
 View Type: Main Freq
 Sweep Mode: Auto
 Sweep Type: Video BW
 Sweep: Continuous

Level: -80.25 dBm
 Span: 1.001 MHz
 S: 2.47 dB
 S: 14.12 dB
 -80.25 dBm

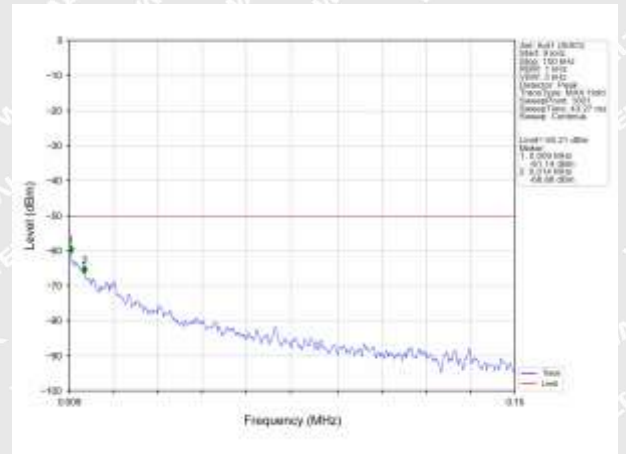
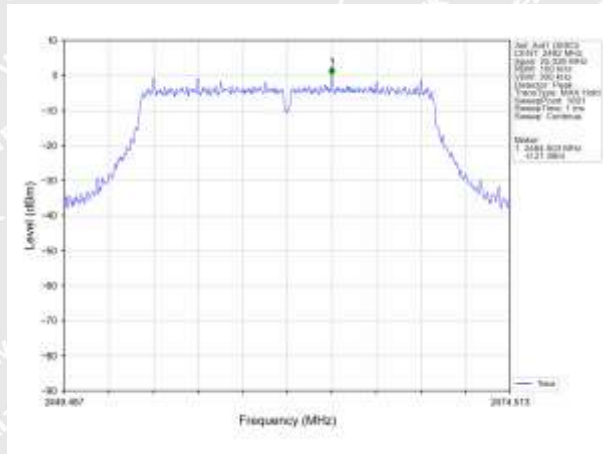
— Total
 — Noise



11g_channel 11

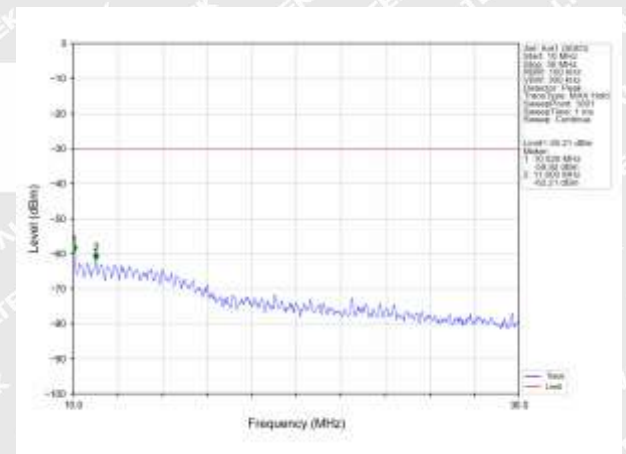
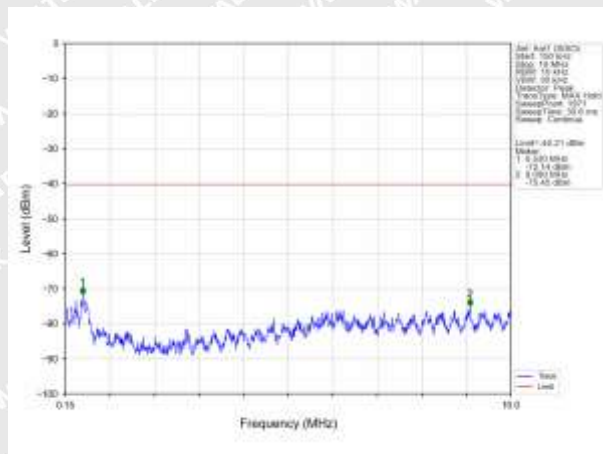
Ref

9kHz-150kHz



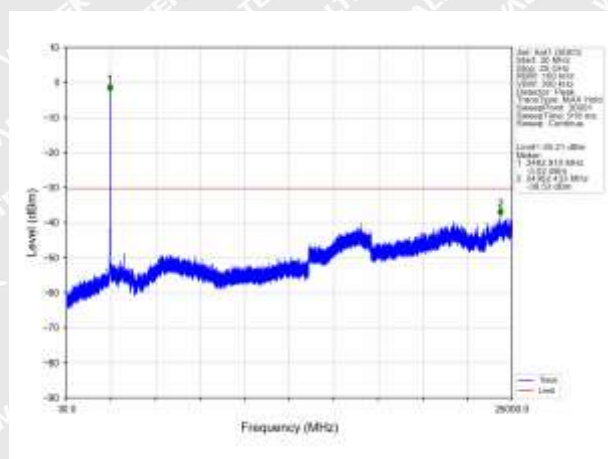
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



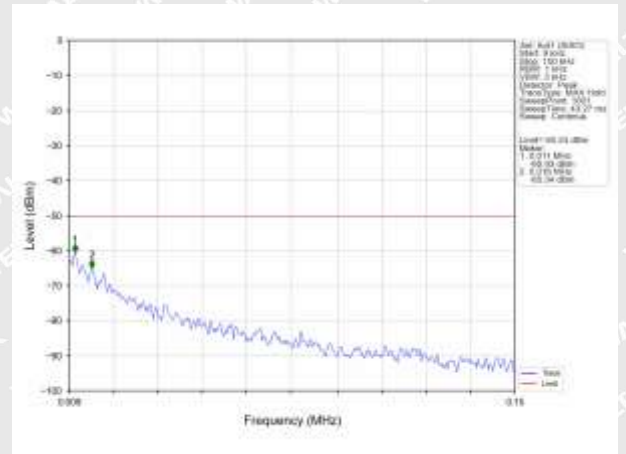
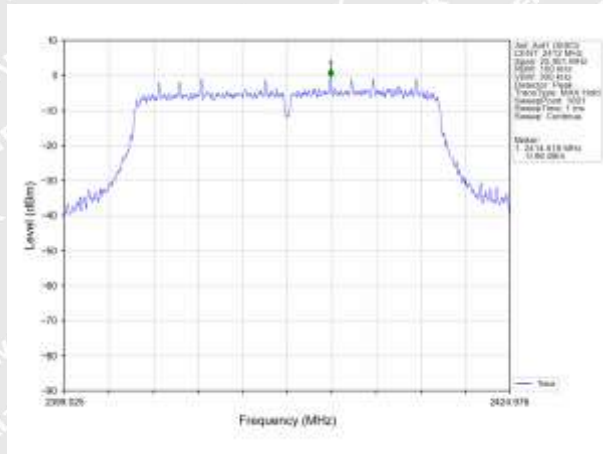
WALTEK



11n20_channel 1

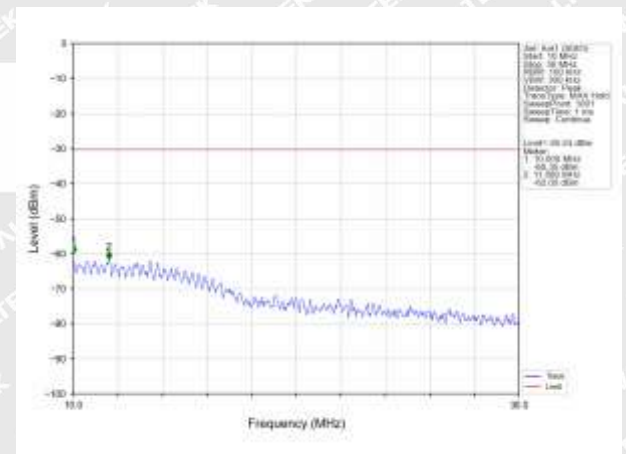
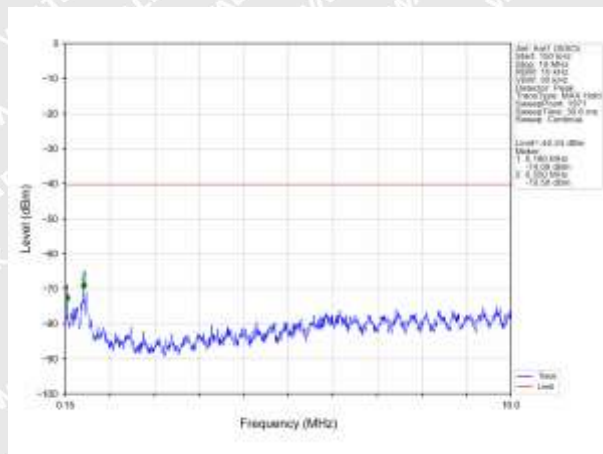
Ref

9kHz-150kHz



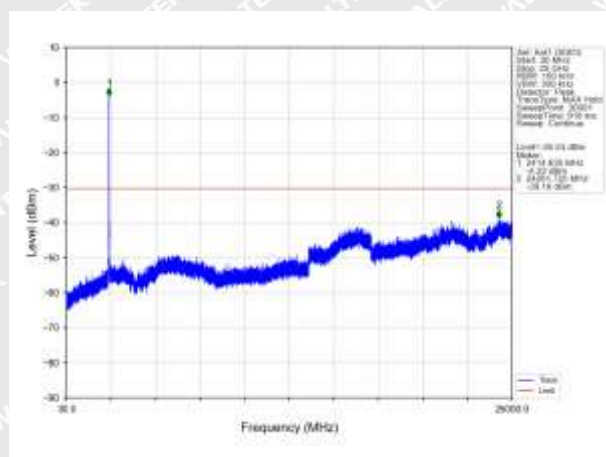
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



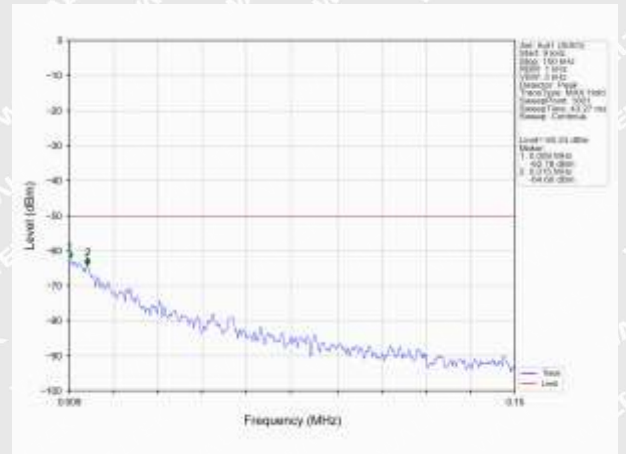
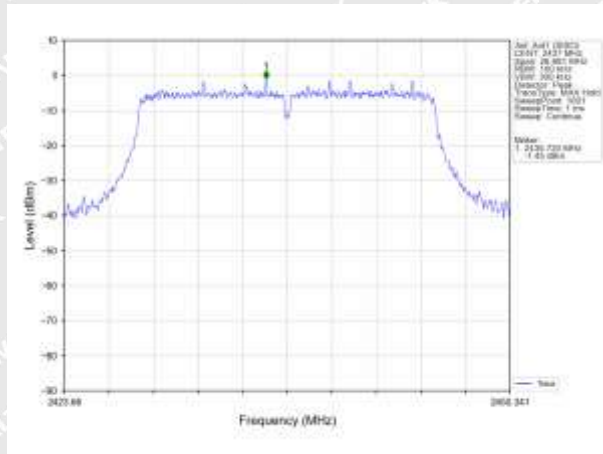
WALTEK



11n20_channel 6

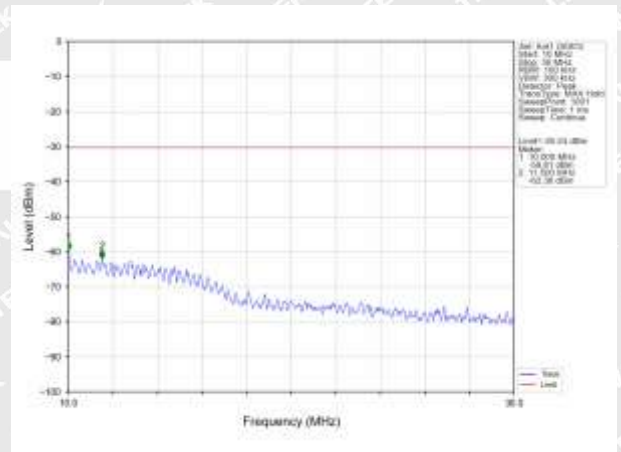
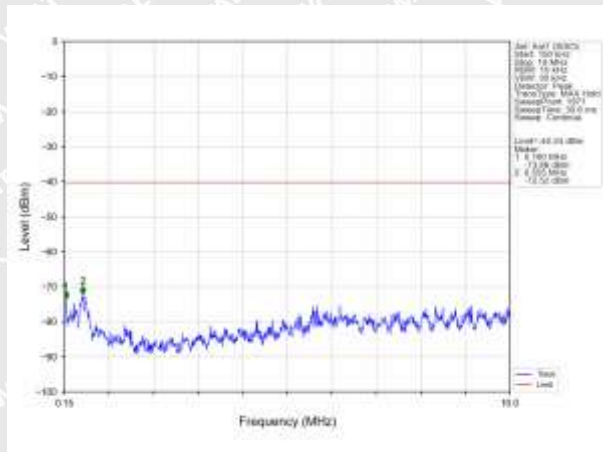
Ref

9kHz-150kHz



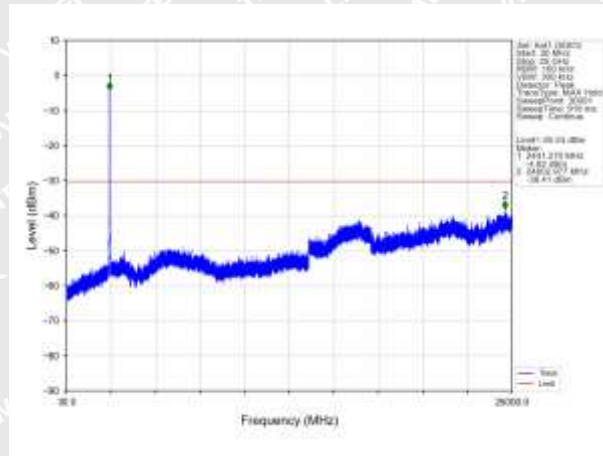
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz

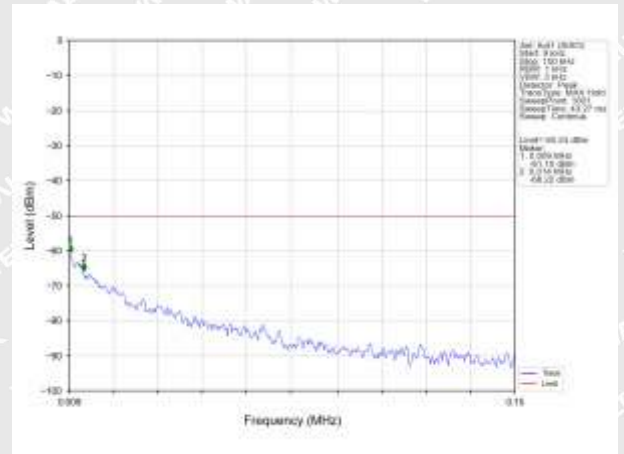
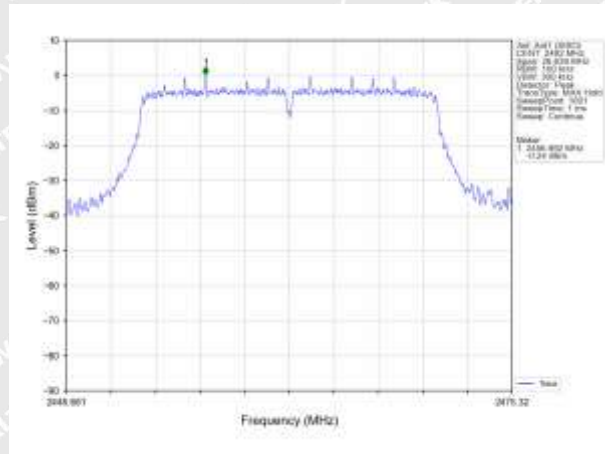




11n20_channel 11

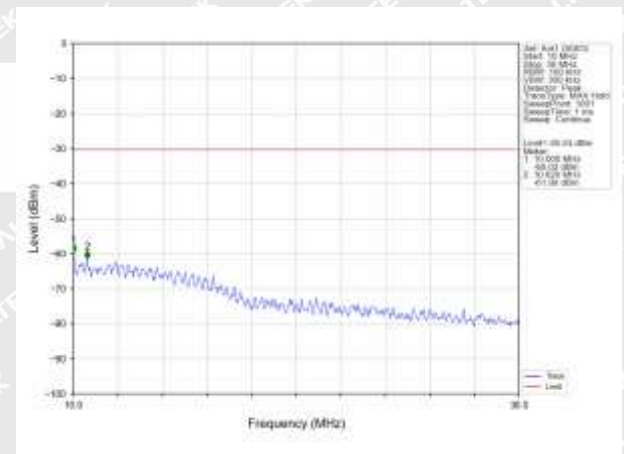
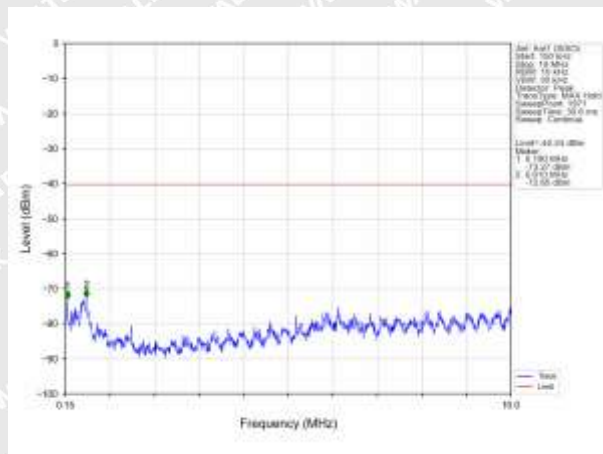
Ref

9kHz-150kHz



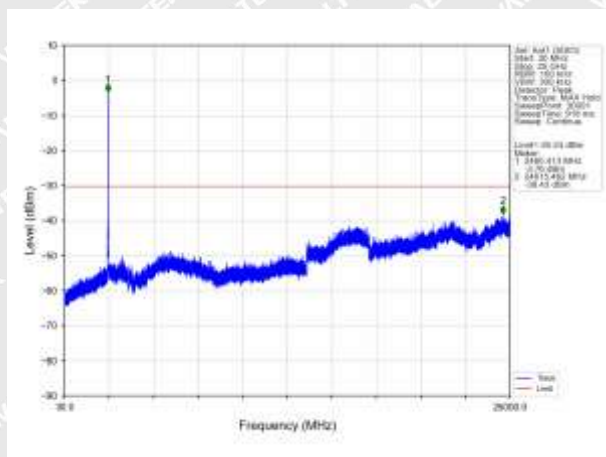
150kHz-10MHz

10MHz-30MHz





30MHz-25GHz



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11 Band Edge Measurement

Test Requirement:	RSS-247 5.5
Test Method:	ANSI C63.10-2020
Test Limit:	Regulation RSS-247 5.5, 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.
Test Mode:	Transmitting

11.1 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.



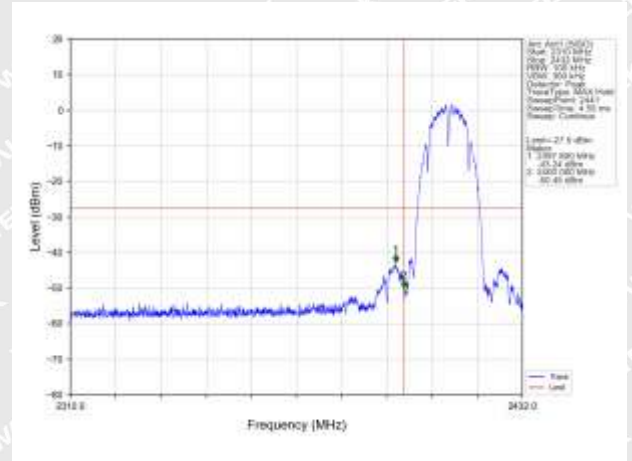
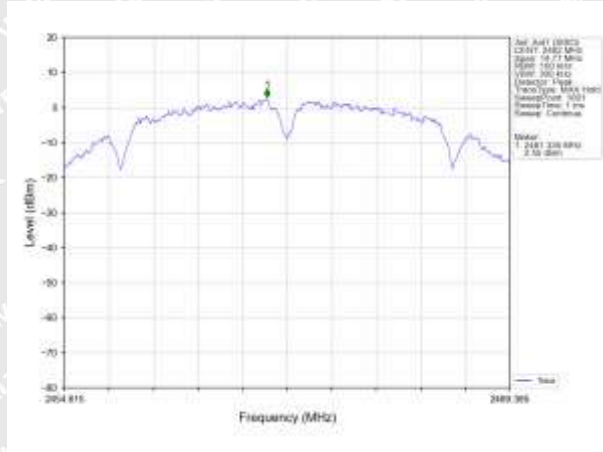
11.2 Test Result

Test result plots shown as follows:

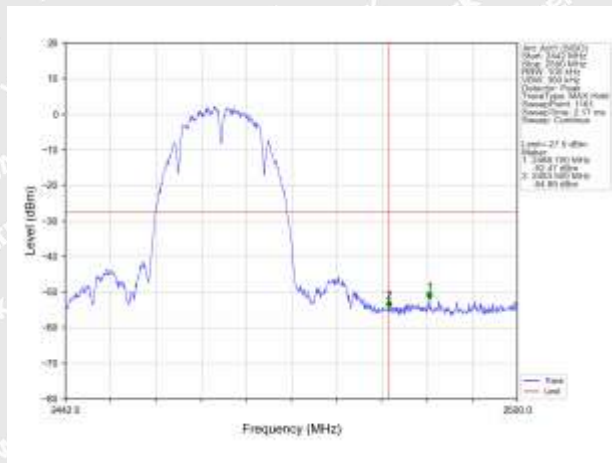
11b:

Ref

Band edge-left side



Band edge-right side

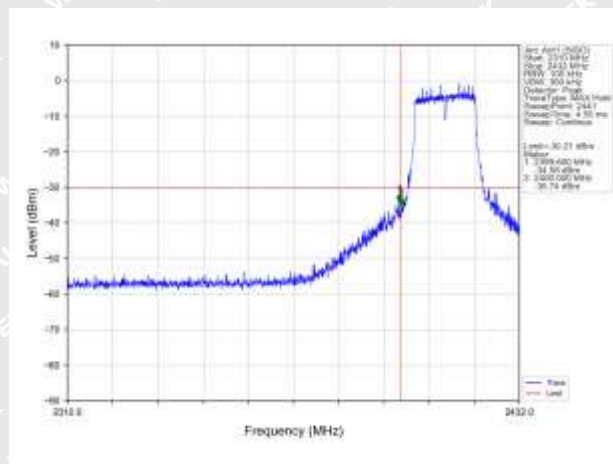
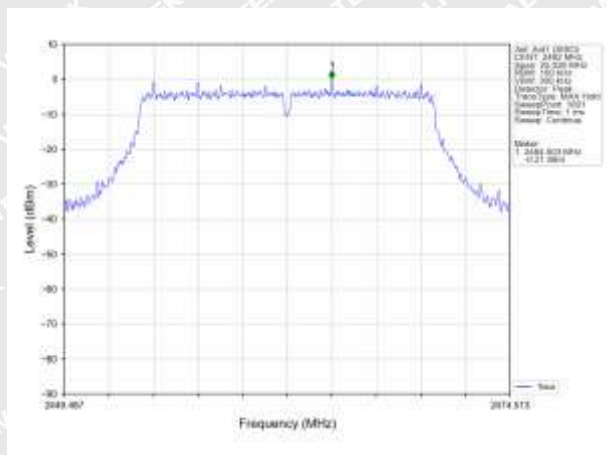




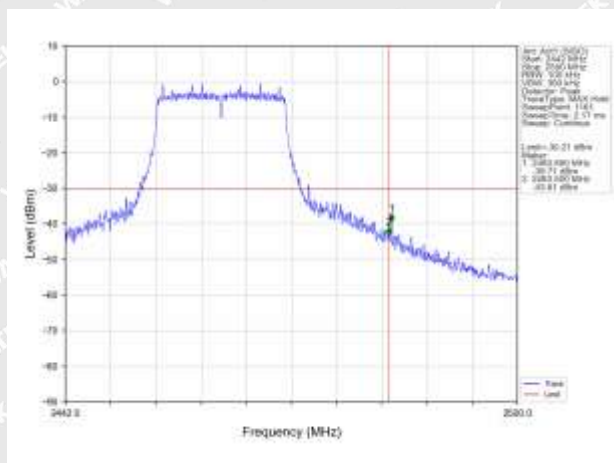
11g:

Ref

Band edge-left side



Band edge-right side

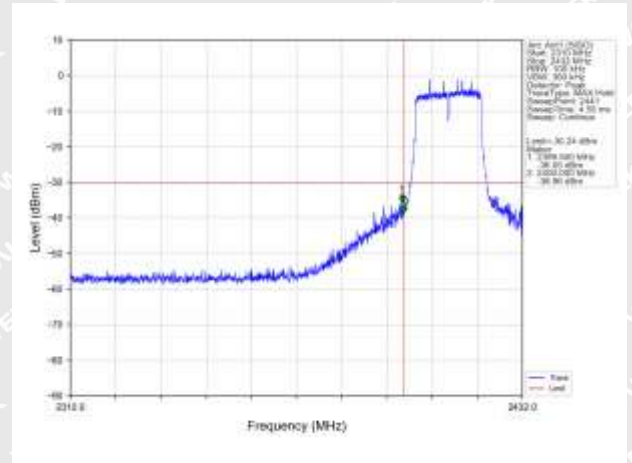
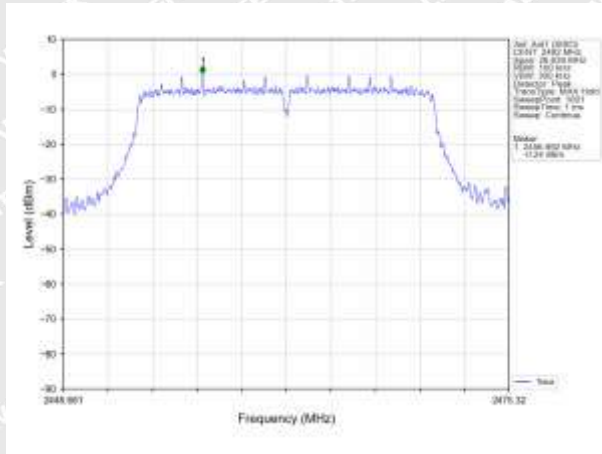




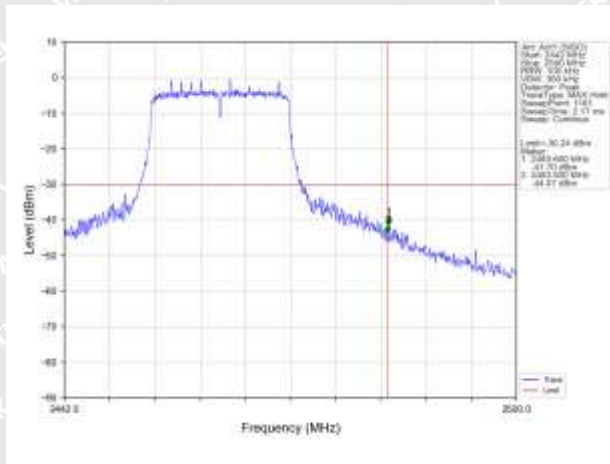
11n20:

Ref

Band edge-left side



Band edge-right side





12 6 dB Bandwidth and 99% Bandwidth Measurement

Test Requirement:

RSS-247 5.2(a)

Test Method:

ANSI C63.10-2020

12.1 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

12.2 Test Result

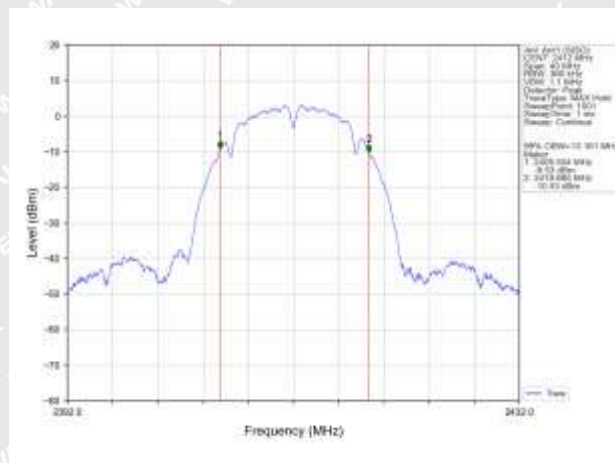
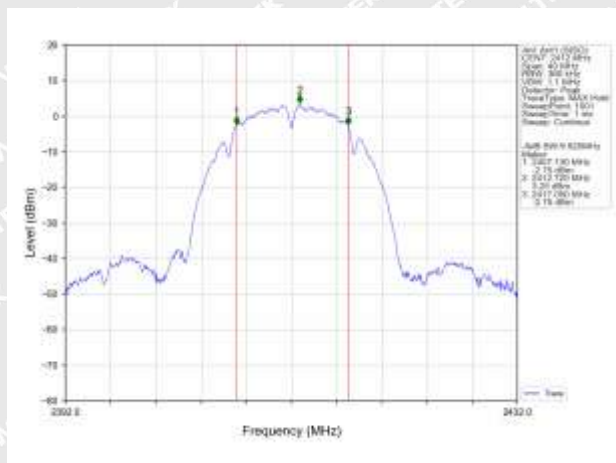
Operation mode	Test Channel	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Limit (kHz)
TX 11b	Channel 1	9.920	13.161	>500
	Channel 6	9.923	13.166	>500
	Channel 11	9.847	13.114	>500
TX 11g	Channel 1	16.697	17.469	>500
	Channel 6	16.663	17.464	>500
	Channel 11	16.684	17.454	>500
TX 11n HT20	Channel 1	17.301	18.282	>500
	Channel 6	17.787	18.303	>500
	Channel 11	17.759	18.240	>500

**Test result plot:**

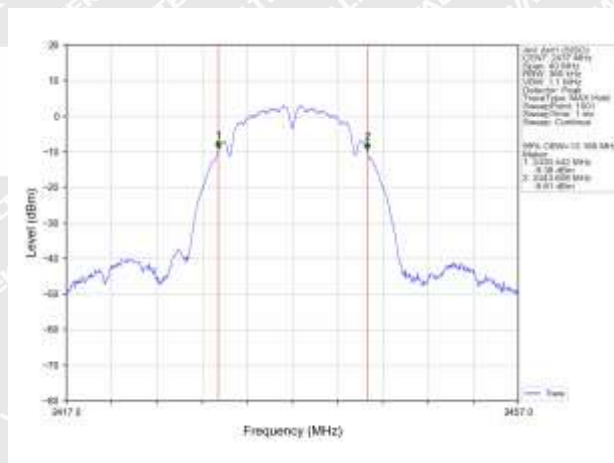
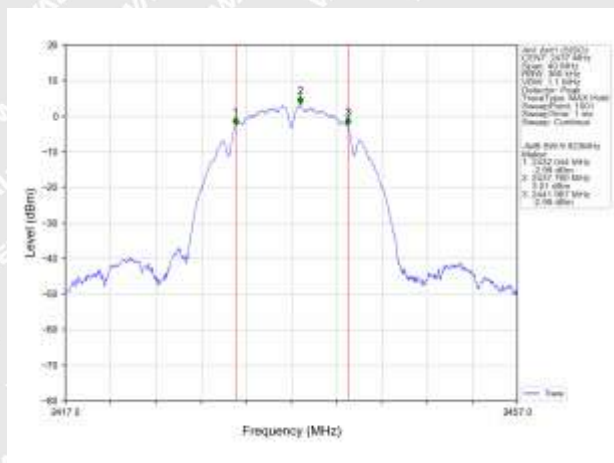
6 dB Bandwidth

99% Bandwidth

Mode: TX 11b channel 1

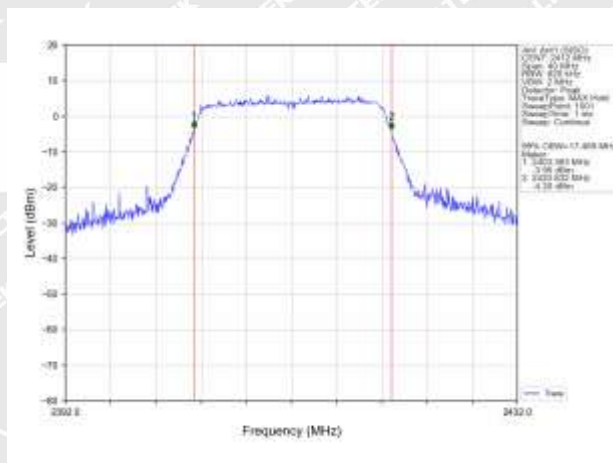
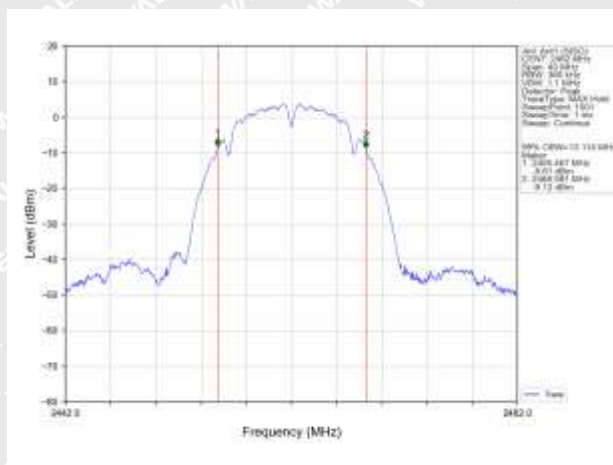


Mode: TX 11b channel 6



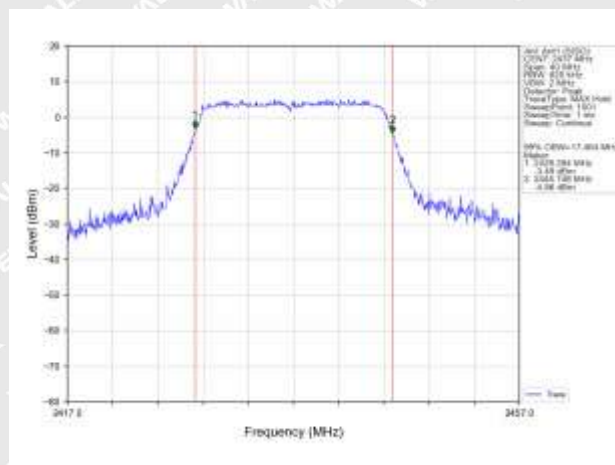
99% Bandwidth

Mode: TX 11g channel 1

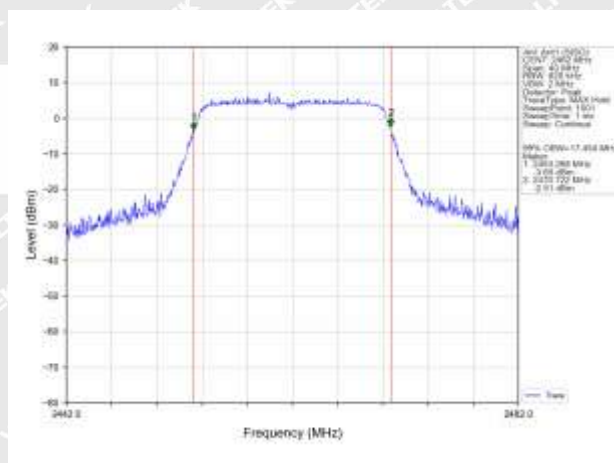


99% Bandwidth

Mode: TX 11g channel 6



Mode: TX 11g channel 11

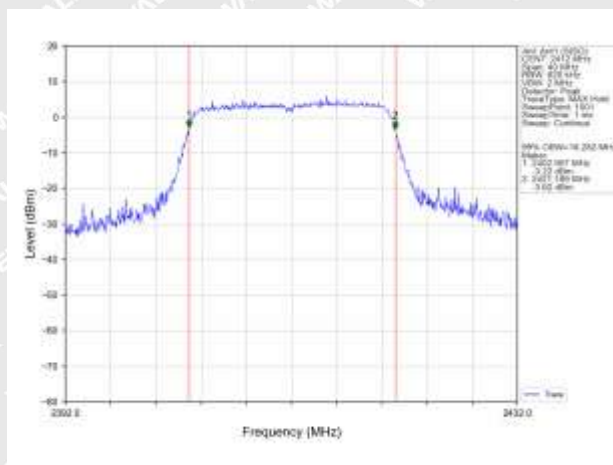
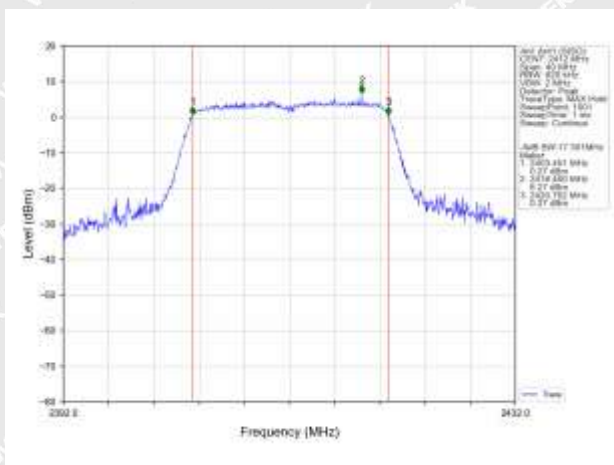




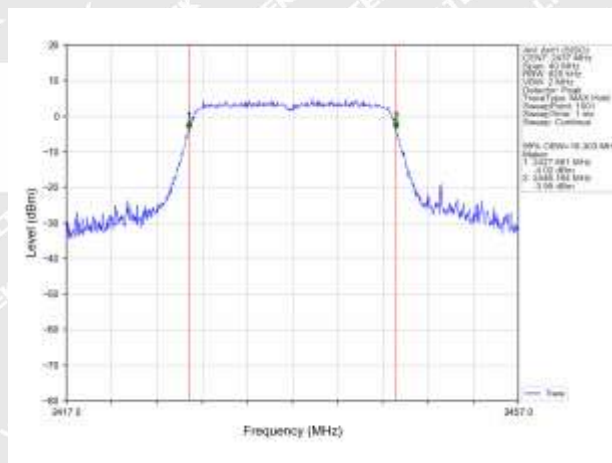
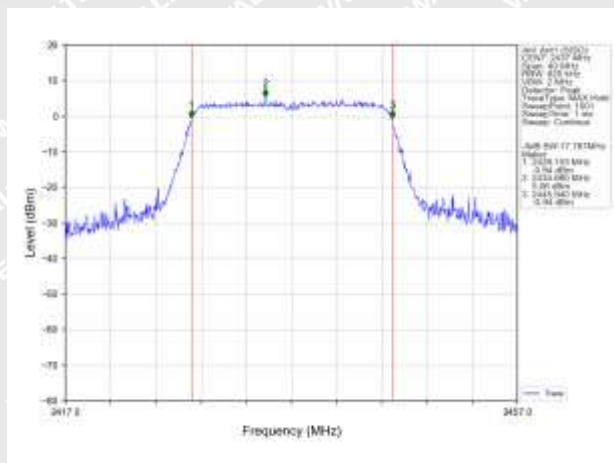
6 dB Bandwidth

99% Bandwidth

Mode: TX 11n HT20 channel 1



Mode: TX 11n HT20 channel 6

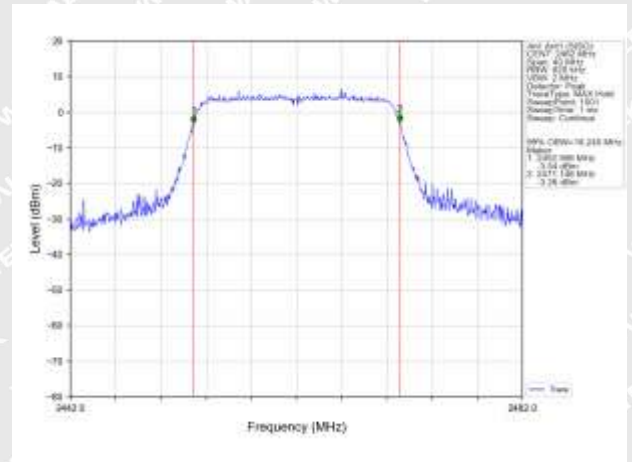
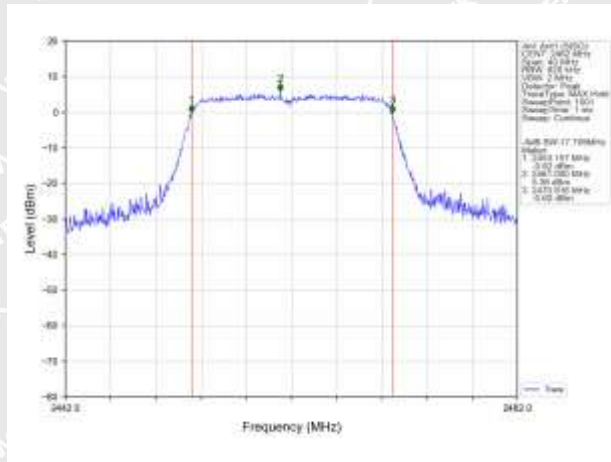




6 dB Bandwidth

99% Bandwidth

Mode: TX 11n HT20 channel 11



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13 Maximum Conducted Output Power and EIRP

Test Requirement:

RSS-247 5.4(d)

Test Method:

ANSI C63.10-2020

13.1 Test Procedure

Subclause 11.9.1.1 of ANSI C63.10 is applicable.

Section 8.3.1.2 Integrated band power method

For measuring the output power of a device transmitting a wide-band noise-like signal where the peak power amplitude is a statistical parameter, the preferred methodology is to use an integrated average power measurement, as described in 8.3.2. The peak integrated band power method of 11.9.1 in ANSI C63.10 is not applicable.

Subclause 11.9.2 of ANSI C63.10 is applicable.

13.2 Test Result

Operation mode	Channel Frequency (MHz)	Maximum Output Power (dBm)	Limit
TX 11b	Low-2412	10.94	1W/30dBm
	Middle-2437	10.78	1W/30dBm
	High-2462	11.56	1W/30dBm
TX 11g	Low-2412	10.64	1W/30dBm
	Middle-2437	10.51	1W/30dBm
	High-2462	11.18	1W/30dBm
TX 11n HT20	Low-2412	10.33	1W/30dBm
	Middle-2437	10.24	1W/30dBm
	High-2462	10.89	1W/30dBm

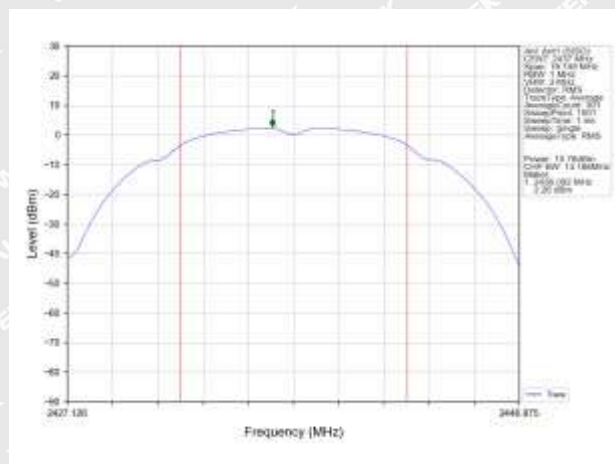


Operation mode	Channel Frequency (MHz)	EIRP (dBm)	Limit
TX 11b	Low-2412	14.71	4W/36dBm
	Middle-2437	14.55	4W/36dBm
	High-2462	15.33	4W/36dBm
TX 11g	Low-2412	14.41	4W/36dBm
	Middle-2437	14.28	4W/36dBm
	High-2462	14.95	4W/36dBm
TX 11n HT20	Low-2412	14.10	4W/36dBm
	Middle-2437	14.01	4W/36dBm
	High-2462	14.66	4W/36dBm

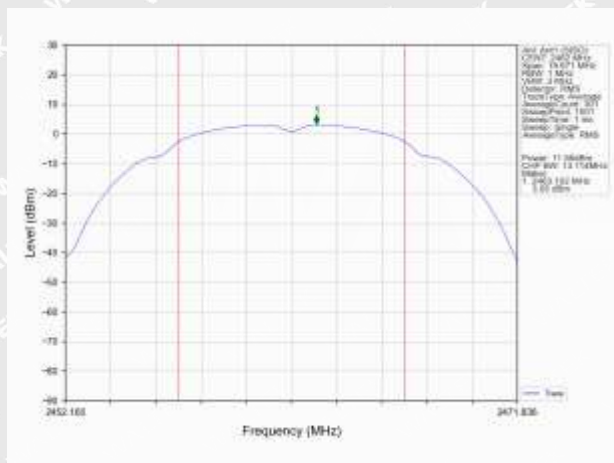
WALTEK

Mode: TX 11b channel 1

Mode: TX 11b channel 6

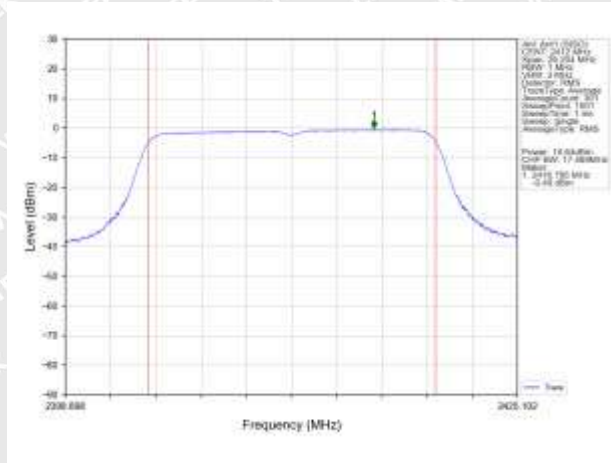


Mode: TX 11b channel 11

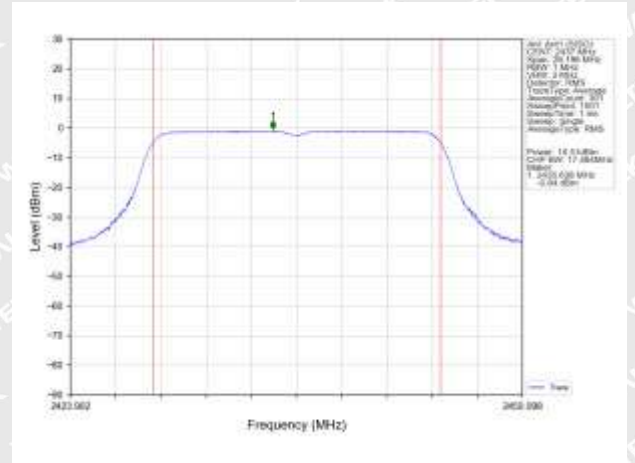




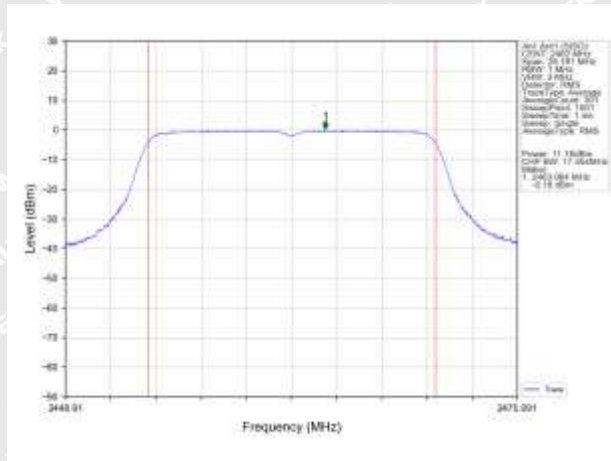
Mode: TX 11g channel 1



Mode: TX 11g channel 6

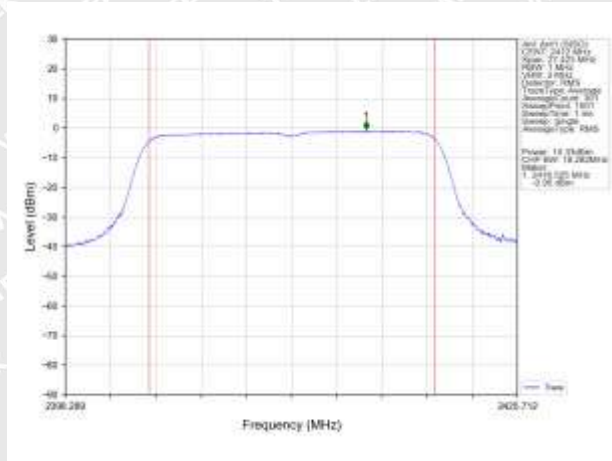


Mode: TX 11g channel 11

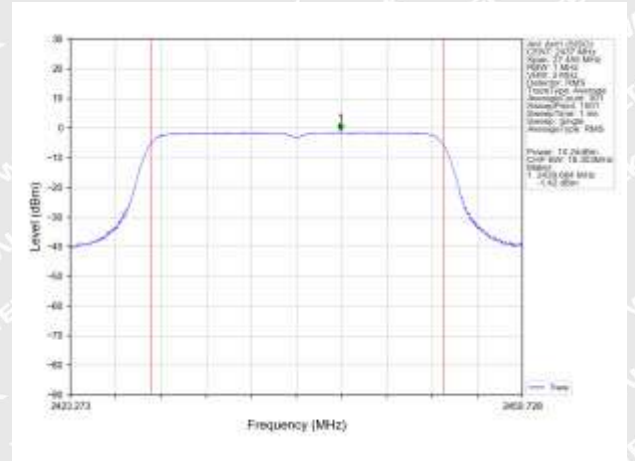




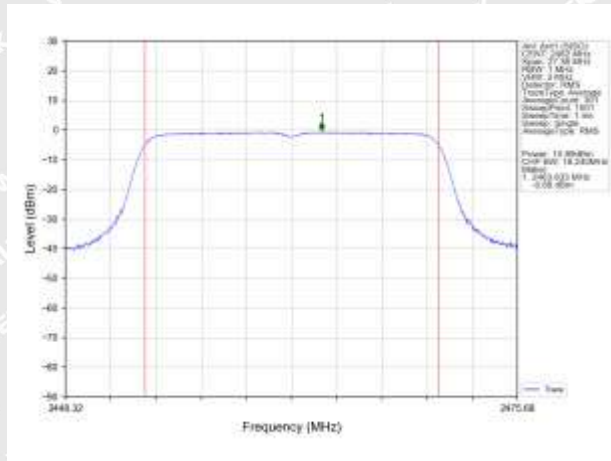
Mode: TX 11n HT20 channel 1



Mode: TX 11n HT20 channel 6



Mode: TX 11n HT20 channel 11





14 Power Spectral Density

Test Requirement: RSS-247 5.2(b)

Test Method: ANSI C63.10-2020

14.1 Test Procedure

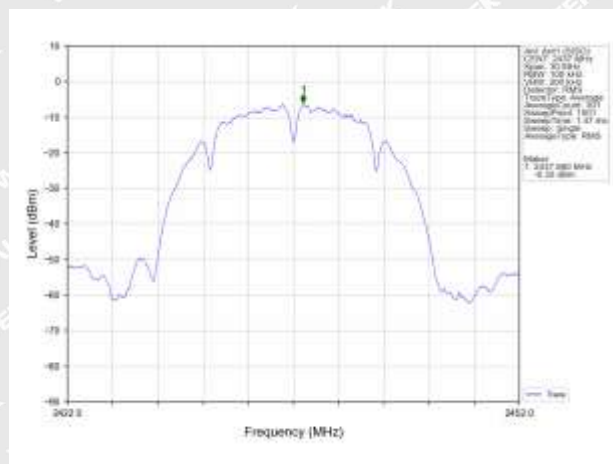
ANSI C63.10-2020

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.

14.2 Test Result

Operation mode	Channel Frequency (MHz)	Power Spectral (dBm per 3kHz)	Limit
TX 11b	Low-2412	-6.33	8dBm per 3kHz
	Middle-2437	-6.32	8dBm per 3kHz
	High-2462	-5.77	8dBm per 3kHz
TX 11g	Low-2412	-9.17	8dBm per 3kHz
	Middle-2437	-9.65	8dBm per 3kHz
	High-2462	-8.92	8dBm per 3kHz
TX 11n HT20	Low-2412	-9.80	8dBm per 3kHz
	Middle-2437	-10.38	8dBm per 3kHz
	High-2462	-9.55	8dBm per 3kHz

Mode: TX 11b channel 6



Level (dBm)

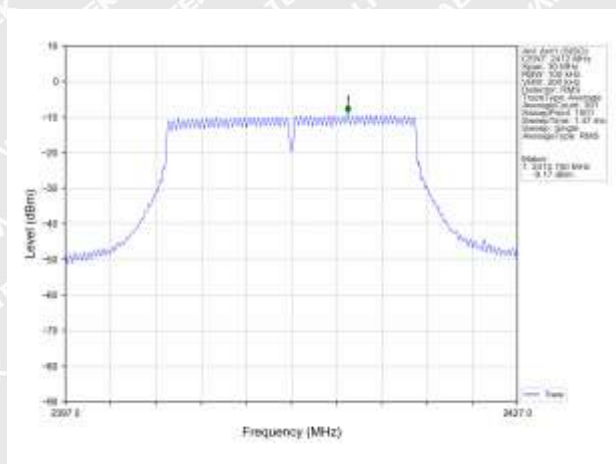
Frequency (MHz)

Ref: 100.0000
 Span: 30.00 MHz
 Freq: 2662.00 MHz
 Power: 1.00 mW
 Noise: 1.00 dB
 Resolution: 1.00 MHz
 Span: 30.00 MHz
 Level: 1.00 dBm

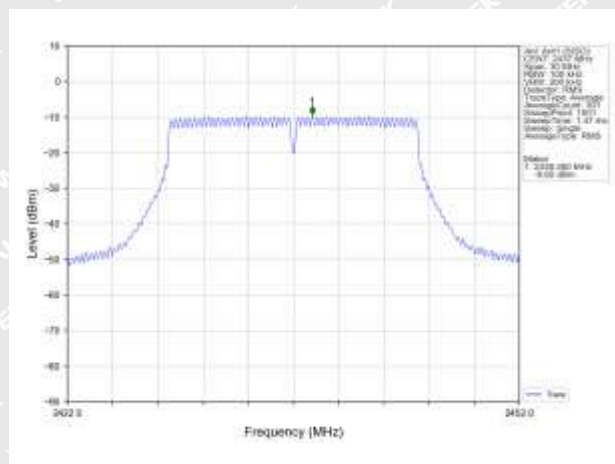
Blue: Span



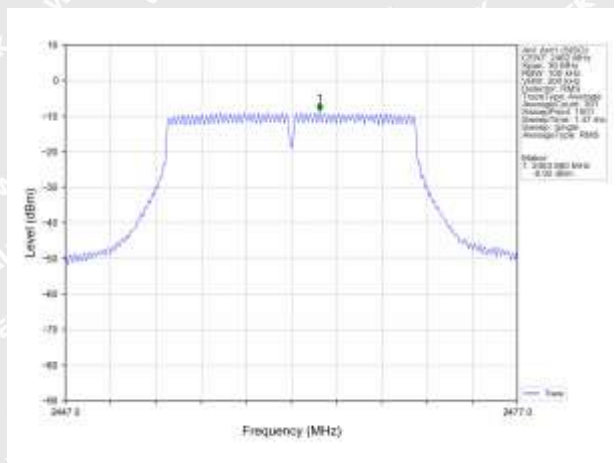
Mode: TX 11g channel 1



Mode: TX 11g channel 6

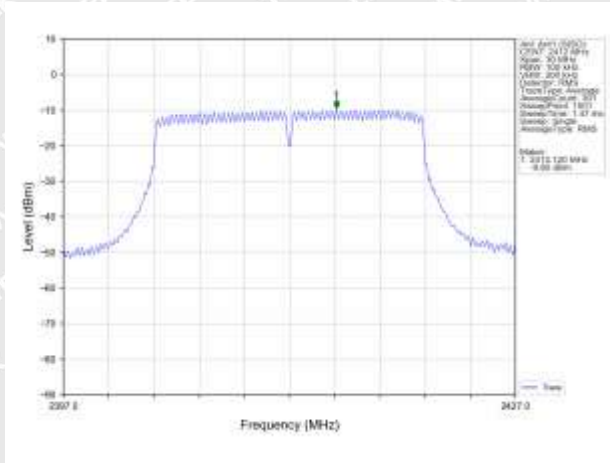


Mode: TX 11g channel 11

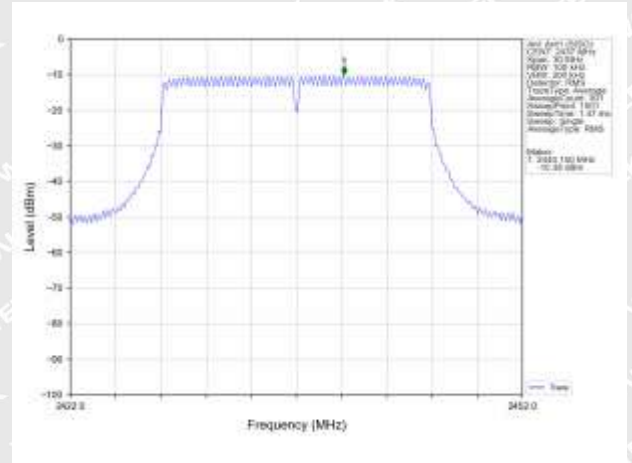




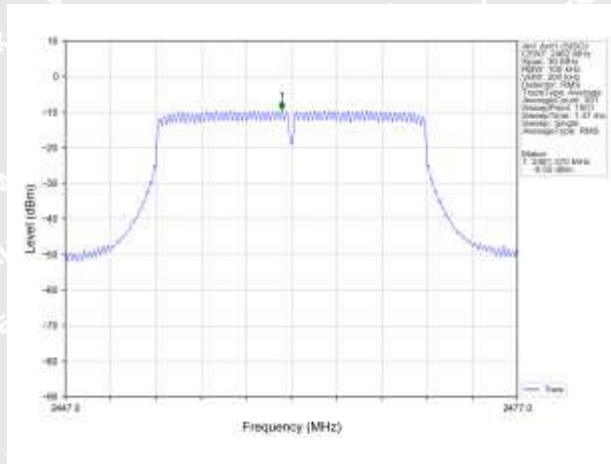
Mode: TX 11n HT20 channel 1



Mode: TX 11n HT20 channel 6



Mode: TX 11n HT20 channel 11





15 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.

16 RF Exposure

Note: Please refer to RF Exposure Report: WTU26D02040334W004

17 Photographs of test setup and EUT.

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

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

WALTEK