

# FCC TEST REPORT

**FCC ID: 2B00G-UC300**

**Report No.** : SSP25020010-2E

**Applicant** : Guizhou Duowei Zhichuang Technology Co., Ltd

**Product Name** : LED intelligent projector

**Model Name** : UC300

**Test Standard** : FCC Part 15.247

**Date of Issue** : 2025-04-09



**Shenzhen CCUT Quality Technology Co., Ltd.**

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This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

**Test Report Basic Information**

<b>Applicant</b> .....:	Guizhou Duowei Zhichuang Technology Co., Ltd No. 153, Gaozhai Group, Diaobao Village Committee, Shawen Town, Baiyun District, Guiyang City, Guizhou Province, China
<b>Manufacturer</b> .....:	Guizhou Duowei Zhichuang Technology Co., Ltd No. 153, Gaozhai Group, Diaobao Village Committee, Shawen Town, Baiyun District, Guiyang City, Guizhou Province, China
<b>Product Name</b> .....:	LED intelligent projector
<b>Brand Name</b> .....:	ViVIDEO;UNIC;
<b>Main Model</b> .....:	UC300 V300C, V300T, V300S, U300C, U300T, U300S, UC300G, UC300T, UC300S,
<b>Series Models</b> .....:	UC300+, U300
<b>Test Standard</b> .....:	FCC Part 15 Subpart C KDB 558074 D01 15.247 Meas Guidance v05r02 ANSI C63.4-2014 ANSI C63.10-2013
<b>Date of Test</b> .....	2025-02-14 to 2025-03-04
<b>Test Result</b> .....:	PASS
<b>Tested By</b> .....	<u>Walker Wu</u> (Walker Wu)
<b>Reviewed By</b> .....:	<u>Lieber Ouyang</u> (Lieber Ouyang)
<b>Authorized Signatory</b> .....:	<u>Lahm Peng</u> (Lahm Peng)
<b>Note :</b> This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.. All test data presented in this test report is only applicable to presented test sample.	



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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2025-04-09	Initial Release	Lahm Peng

## 1. General Information

### 1.1 Product Information

Product Name:	LED intelligent projector
Trade Name:	ViVIDEO;UNIC;
Main Model:	UC300
Series Models:	V300C, V300T, V300S, U300C, U300T, U300S, UC300G, UC300T, UC300S, UC300+, U300
Rated Voltage:	-
Power Adapter:	Input: AC 100-240V~50/60Hz, 100W Max
Battery:	-
Test Sample No:	SSP25020010-1
Hardware Version:	V1.0
Software Version:	V1.0

Note 1: The test data is gathered from a production sample, provided by the manufacturer.

Note 2: The color of appearance and model name of series models listed are different from the main model, but the circuit and the electronic construction are the same, declared by the manufacturer.

Wireless Specification	
Wireless Standard:	802.11b/g/n
Operating Frequency:	2412MHz ~ 2462MHz for 802.11b/g/n(HT20) 2422MHz ~ 2452MHz for 802.11n(HT40)
RF Output Power:	13.07dBm
Number of Channel:	11/7
Channel Separation:	5MHz
Modulation:	CCK, OFDM, QPSK, BPSK, 16QAM, 64QAM
Antenna Gain:	1.64dBi
Type of Antenna:	FPCB Antenna
Type of Device:	<input type="checkbox"/> Portable Device <input checked="" type="checkbox"/> Mobile Device <input type="checkbox"/> Modular Device

## 1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	802.11b	2412MHz/2437MHz/2462MHz	
TM2	802.11g	2412MHz/2437MHz/2462MHz	
TM3	802.11n(HT20)	2412MHz/2437MHz/2462MHz	
TM4	802.11n(HT40)	2422MHz/2437MHz/2452MHz	
-	-	-	
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-	-	-	-
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
-	-	-	-
-	-	-	-
Test Software & Power level setup of EUT			
Test Software		Power level setup	
VanDyke Software		40	

Note: The DUT was installed in a test fixture and this test fixture is connected to a laptop computer. The laptop computer was used to configure the EUT to continuously transmit at a specified output power using all different modes and modulation schemes, using the proprietary tool VanDyke Software.

List of Channels							
No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)	No. of Channel	Frequency (MHz)
01	2412	05	2432	09	2452	13	--
02	2417	06	2437	10	2457	14	--
03	2422	07	2442	11	2462	15	--
04	2427	08	2447	12	--	16	--

### 1.3 Compliance Standards

Compliance Standards	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
All measurements contained in this report were conducted with all above standards	
According to standards for test methodology	
FCC Part 15 Subpart C	FEDERAL COMMUNICATIONS COMMISSION, RADIO FREQUENCY DEVICES, Intentional Radiators
KDB 558074 D01 15.247 Meas Guidance v05r02	GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES
ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.
ANSI C63.10-2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Maintenance of compliance is the responsibility of the manufacturer or applicant. Any modification of the product, which result is lowering the emission, should be checked to ensure compliance has been maintained.	

### 1.4 Test Facilities

Laboratory Name:	<b>Shenzhen CCUT Quality Technology Co., Ltd.</b> 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6893.01
FCC Registration No.:	583813
FCC Designation No.:	CN1373
ISED Registration No.:	CN0164
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	

## 1.5 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
<b>Conducted Emissions</b>					
AMN	ROHDE&SCHWARZ	ENV216	101097	2024-08-07	2025-08-06
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100242	2024-08-07	2025-08-06
Test Cable	N/A	Cable 5	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	EMEC-3A1+	N/A	N/A
<b>Radiated Emissions</b>					
EMI Test Receiver	ROHDE&SCHWARZ	ESPI	100154	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY48030972	2024-08-07	2025-08-06
Spectrum Analyzer	ROHDE&SCHWARZ	FSV40-N	101692	2024-08-07	2025-08-06
Amplifier	SCHWARZBECK	BBV 9743B	00251	2024-08-07	2025-08-06
Amplifier	HUABO	YXL0518-2.5-45	--	2024-08-07	2025-08-06
Amplifier	COM-MW	DLAN-18G-4G-02	10229104	2024-08-07	2025-08-06
Loop Antenna	DAZE	ZN30900C	21104	2024-08-03	2025-08-02
Broadband Antenna	SCHWARZBECK	VULB 9168	01320	2024-08-03	2025-08-02
Horn Antenna	SCHWARZBECK	BBHA 9120D	02553	2024-08-03	2025-08-02
Horn Antenna	COM-MW	ZLB7-18-40G-950	12221225	2024-08-03	2025-08-02
Attenuator	QUANJUDA	6dB	220731	2024-08-07	2025-08-06
Test Cable	N/A	Cable 1	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 2	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 3	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 4	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 8	N/A	2024-08-07	2025-08-06
Test Cable	N/A	Cable 9	N/A	2024-08-07	2025-08-06
EMI Test Software	FARA	EZ-EMC	FA-03A2 RE+	N/A	N/A
<b>Conducted RF Testing</b>					
RF Test System	MWRFTTest	MW100-RFCB	220418SQS-37	2024-08-07	2025-08-06
Spectrum Analyzer	KEYSIGHT	N9020A	ATO-90521	2024-08-07	2025-08-06
RF Test Software	MWRFTTest	MTS 8310	N/A	N/A	N/A
Laptop	Lenovo	ThinkPad E15 Gen 3	SPPOZ22485	N/A	N/A



## 1.6 Measurement Uncertainty

Test Item	Conditions	Uncertainty
Conducted Emissions	9kHz ~ 30MHz	±1.64 dB
Radiated Emissions	9kHz ~ 30MHz	±2.88 dB
	30MHz ~ 1GHz	±3.32 dB
	1GHz ~ 18GHz	±3.50 dB
	18GHz ~ 40GHz	±3.66 dB
Conducted Output Power	9kHz ~ 26GHz	±0.50 dB
Occupied Bandwidth	9kHz ~ 26GHz	±4.0 %
Conducted Spurious Emission	9kHz ~ 26GHz	±1.32 dB
Power Spectrum Density	9kHz ~ 26GHz	±0.62 dB

## 2. Summary of Test Results

FCC Rule	Description of Test Item	Result
FCC Part 15.203	Antenna Requirement	Passed
FCC Part 15.247(i)	RF Exposure(see the RF exposure report)	Passed
FCC Part 15.207	Conducted Emissions	Passed
FCC Part 15.209, 15.247(d)	Radiated Emissions	Passed
FCC Part 15.247(d)	Band-edge Emissions(Radiated)	Passed
FCC Part 15.247(b)(3)	Maximum Conducted Output Power	Passed
FCC Part 15.247(a)(2)	Occupied Bandwidth	Passed
FCC Part 15.247(e)	Maximum Power Spectral Density	Passed
FCC Part 15.247(d)	Band-edge Emissions(Conducted)	Passed
FCC Part 15.247(d)	Conducted RF Spurious Emissions	Passed
Passed: The EUT complies with the essential requirements in the standard Failed: The EUT does not comply with the essential requirements in the standard N/A: Not applicable		

### **3. Antenna Requirement**

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#### **3.1 Standard and Limit**

According to FCC Part 15.203, 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

#### **3.2 Test Result**

This product has an FPCB antenna, fulfill the requirement of this section.

## 4. Conducted Emissions

### 4.1 Standard and Limit

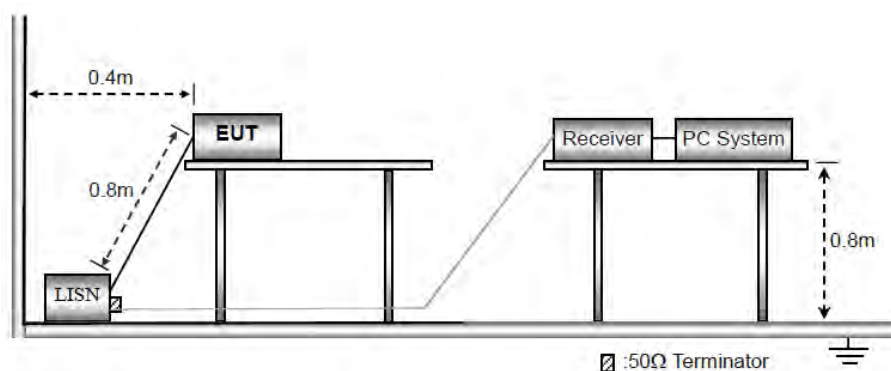
According to the rule FCC Part 15.207, Conducted emissions limit, the limit for a wireless device as below:

Frequency of Emission (MHz)	Conducted emissions (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50

Note 1: Decreases with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz  
 Note 2: The lower limit applies at the band edges

### 4.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.2.



Test Setup Block Diagram

a) The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

b) The following is the setting of the receiver

Attenuation: 10dB

Start Frequency: 0.15MHz

Stop Frequency: 30MHz

IF Bandwidth: 9kHz

c) The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

d) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

e) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

f) LISN is at least 80 cm from nearest part of EUT chassis.

g) For the actual test configuration, please refer to the related Item - photographs of the test setup.

### **4.3 Test Data and Results**

All of the 802.11b, 802.11g and 802.11n modes have been tested, the EUT complied with the FCC Part 15.207 standard limit for a wireless device, and with the worst case 802.11b\_2412MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

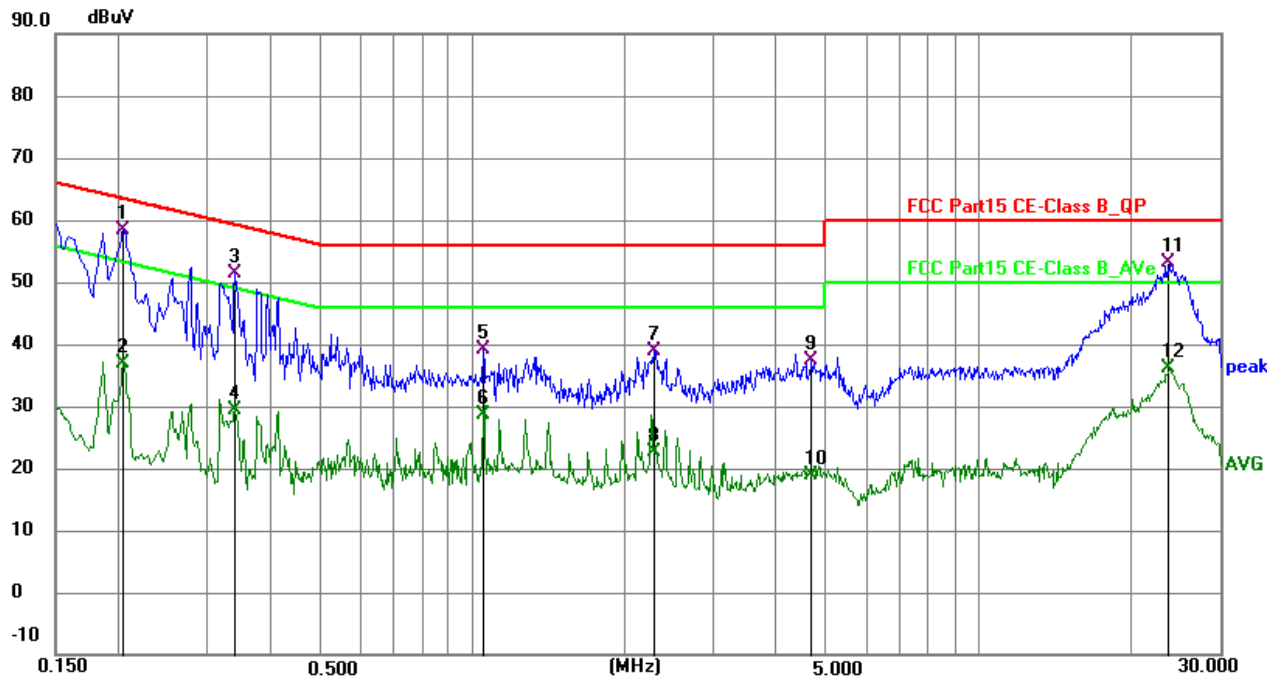
## Test Plots and Data of Conducted Emissions

Tested Mode: TM1

Test Voltage: AC 120V/60Hz

Test Power Line: Neutral

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.2040	58.41	0.00	58.41	63.45	-5.04	QP	P	
2	0.2040	36.88	0.00	36.88	53.45	-16.57	AVG	P	
3	0.3390	51.45	0.00	51.45	59.23	-7.78	QP	P	
4	0.3390	29.45	0.00	29.45	49.23	-19.78	AVG	P	
5	1.0500	39.02	0.00	39.02	56.00	-16.98	QP	P	
6	1.0500	28.69	0.00	28.69	46.00	-17.31	AVG	P	
7	2.2964	38.87	0.00	38.87	56.00	-17.13	QP	P	
8	2.2964	22.55	0.00	22.55	46.00	-23.45	AVG	P	
9	4.6905	37.29	0.00	37.29	56.00	-18.71	QP	P	
10	4.6905	18.89	0.00	18.89	46.00	-27.11	AVG	P	
11	23.8154	53.17	0.00	53.17	60.00	-6.83	QP	P	
12	23.8154	36.15	0.00	36.15	50.00	-13.85	AVG	P	

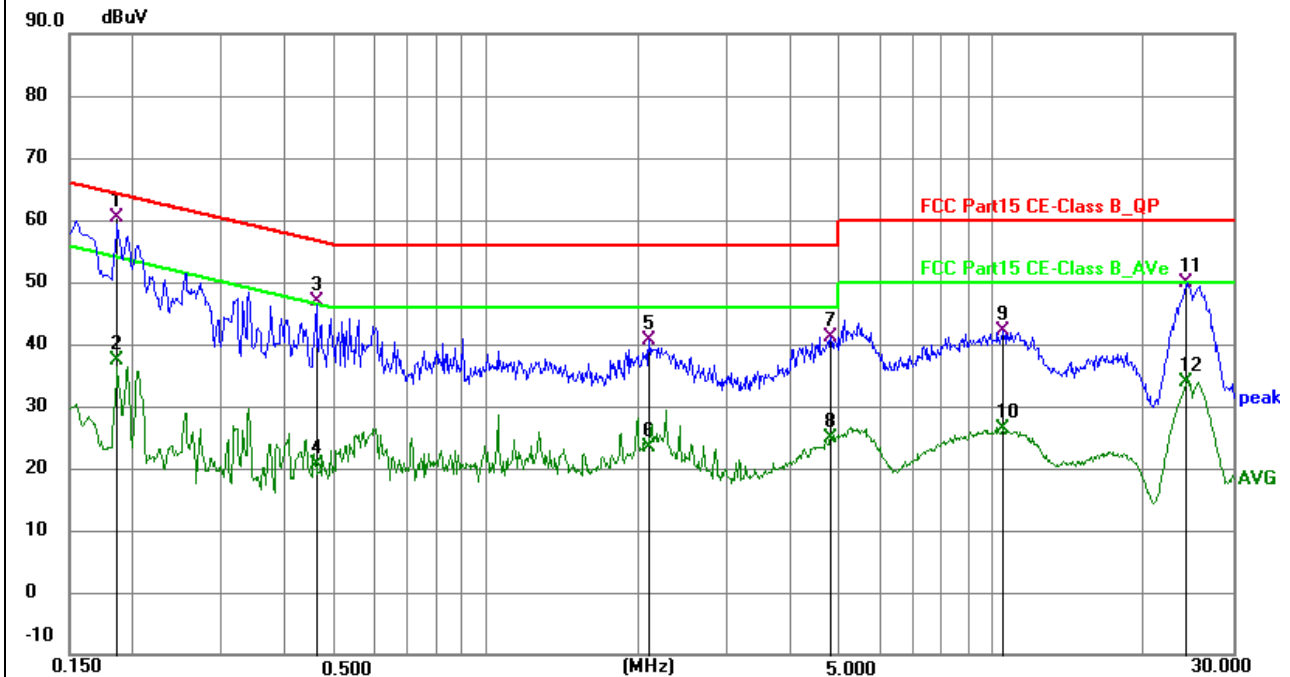
## Test Plots and Data of Conducted Emissions

Tested Mode: TM1

Test Voltage: AC 120V/60Hz

Test Power Line: Live

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1860	60.33	0.00	60.33	64.21	-3.88	QP	P	
2	0.1860	37.30	0.00	37.30	54.21	-16.91	AVG	P	
3	0.4605	46.93	0.00	46.93	56.68	-9.75	QP	P	
4	0.4605	20.75	0.00	20.75	46.68	-25.93	AVG	P	
5	2.1030	40.67	0.00	40.67	56.00	-15.33	QP	P	
6	2.1030	23.50	0.00	23.50	46.00	-22.50	AVG	P	
7	4.8210	41.24	0.00	41.24	56.00	-14.76	QP	P	
8	4.8210	24.82	0.00	24.82	46.00	-21.18	AVG	P	
9	10.5450	42.23	0.00	42.23	60.00	-17.77	QP	P	
10	10.5450	26.30	0.00	26.30	50.00	-23.70	AVG	P	
11	24.3779	49.89	0.00	49.89	60.00	-10.11	QP	P	
12	24.3779	33.97	0.00	33.97	50.00	-16.03	AVG	P	

## 5. Radiated Emissions

### 5.1 Standard and Limit

According to §15.247(d), 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

According to the rule FCC Part 15.209, Radiated emission limit for a wireless device as below:

Frequency of Emission (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3
Note: The more stringent limit applies at transition frequencies.		

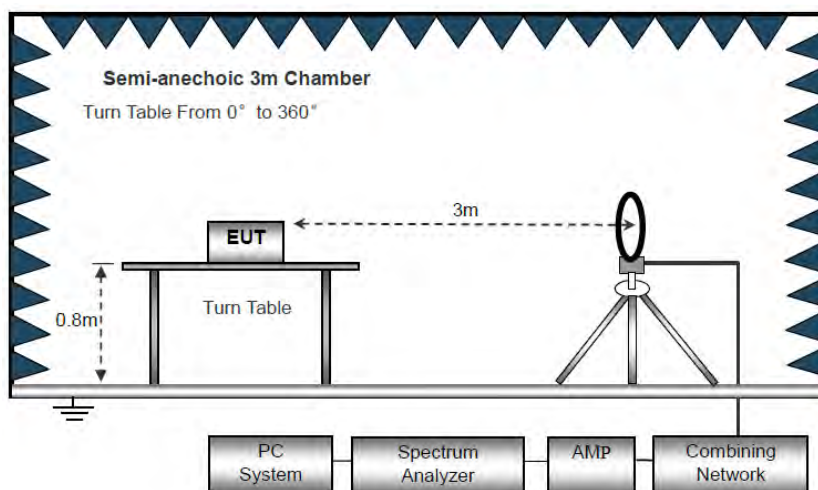
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

*Note: Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.*

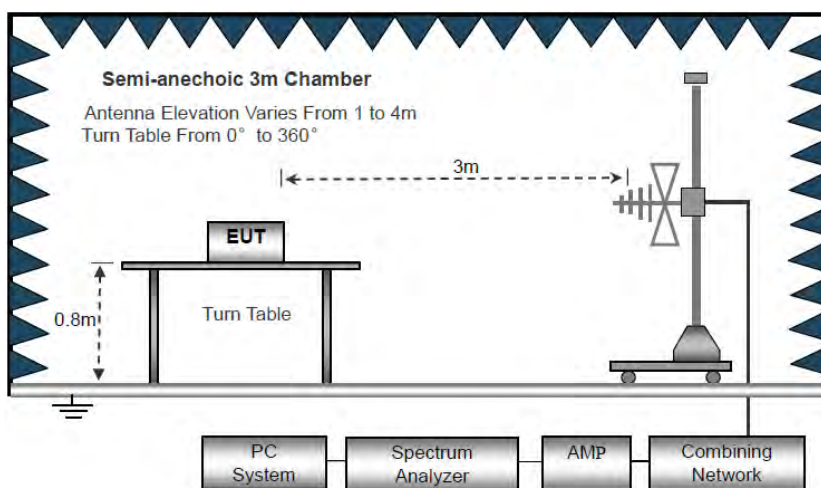
### 5.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6.

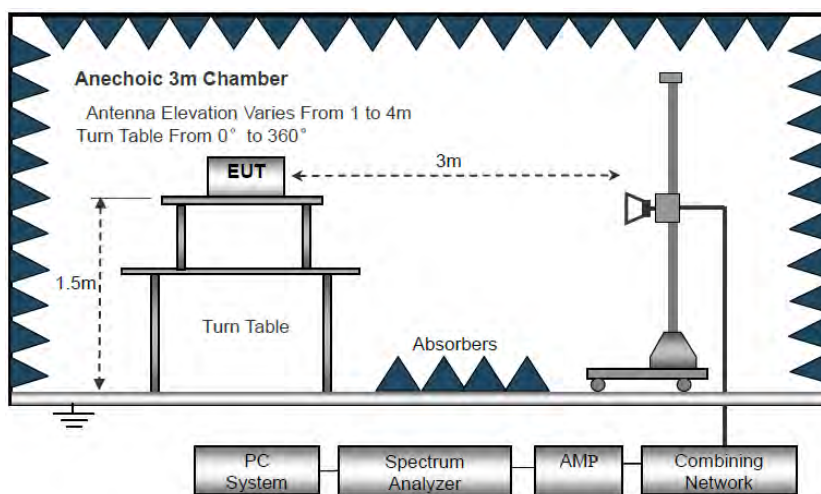




Block Diagram of Radiated Emission Below 30MHz



Block Diagram of Radiated Emission From 30MHz to 1GHz



Block Diagram of Radiated Emission Above 1GHz

- a) The EUT is placed on a turntable, which is 0.8m above ground plane for test frequency range below 1GHz, and 1.5m above ground plane for test frequency range above 1GHz.
- b) EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- c) Use the following spectrum analyzer settings:  
Span = wide enough to fully capture the emission being measured  
RBW = 1 MHz for  $f \geq 1\text{GHz}$ , 100 kHz for  $f < 1\text{GHz}$ , 10kHz for  $f < 30\text{MHz}$   
VBW  $\geq$  RBW, Sweep = auto  
Detector function = peak  
Trace = max hold
- d) Follow the guidelines in ANSI C63.4-2014 with respect to maximizing the emission by rotating the EUT, adjusting the measurement antenna height and polarization, etc. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, submit this data. Each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- e) The peak level, once corrected, must comply with the limit specified in Section 15.209. Set the RBW = 1MHz, VBW = 10Hz, Detector = PK for AV value, while maintaining all of the other instrument settings.
- f) For the actual test configuration, please refer to the related item - EUT test photos.

### 5.3 Test Data and Results

All of the 802.11b, 802.11g and 802.11n modes have been tested, the EUT complied with the FCC Part 15.247 standard limit for a wireless device, and with the worst case 802.11b\_2412MHz as below:

Remark: Level = Reading + Factor, Margin = Level - Limit

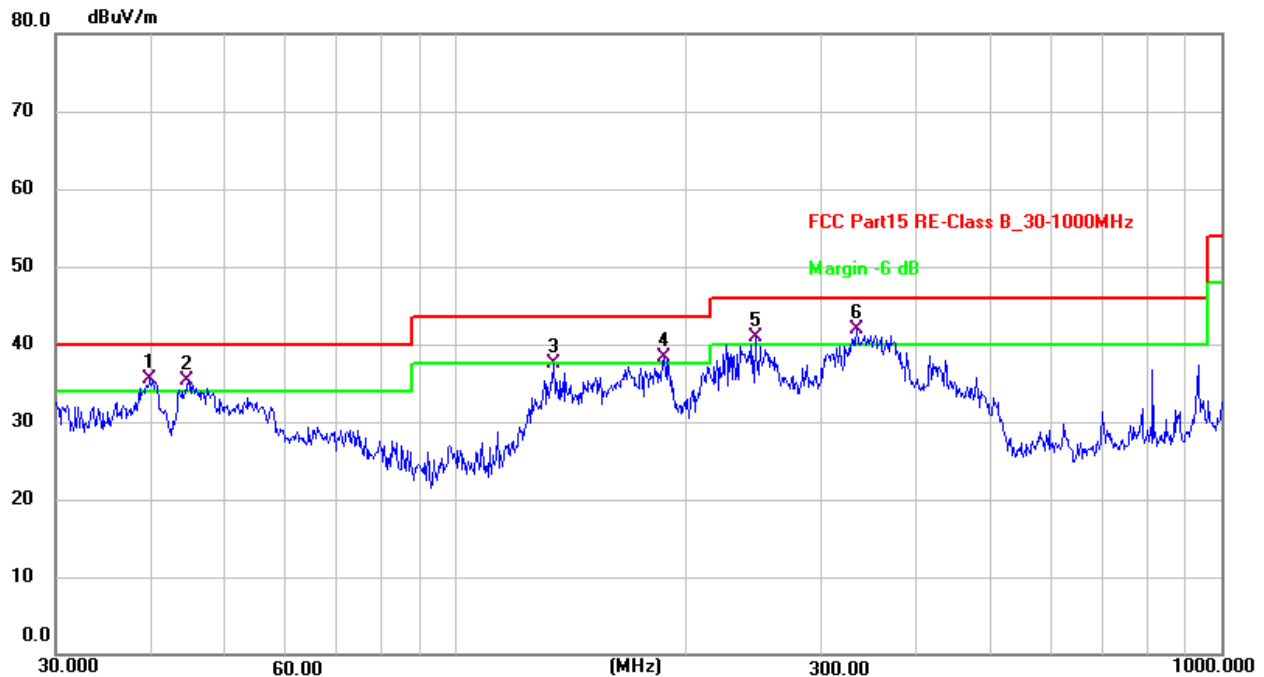
## Radiated Emission Test Data (30MHz to 1GHz)

Tested Mode: TM1

Test Voltage: AC 120V/60Hz

Test Antenna Polarization: Horizontal

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 !	39.8542	43.90	-8.33	35.57	40.00	-4.43	QP	200	45	P	
2 !	44.7433	43.58	-8.25	35.33	40.00	-4.67	QP	100	99	P	
3	134.0881	46.02	-8.57	37.45	43.50	-6.05	QP	200	217	P	
4 !	187.0956	49.35	-10.99	38.36	43.50	-5.14	QP	100	99	P	
5 !	245.9510	51.10	-10.19	40.91	46.00	-5.09	QP	200	158	P	
6 *	333.6867	49.05	-7.19	41.86	46.00	-4.14	QP	200	6	P	

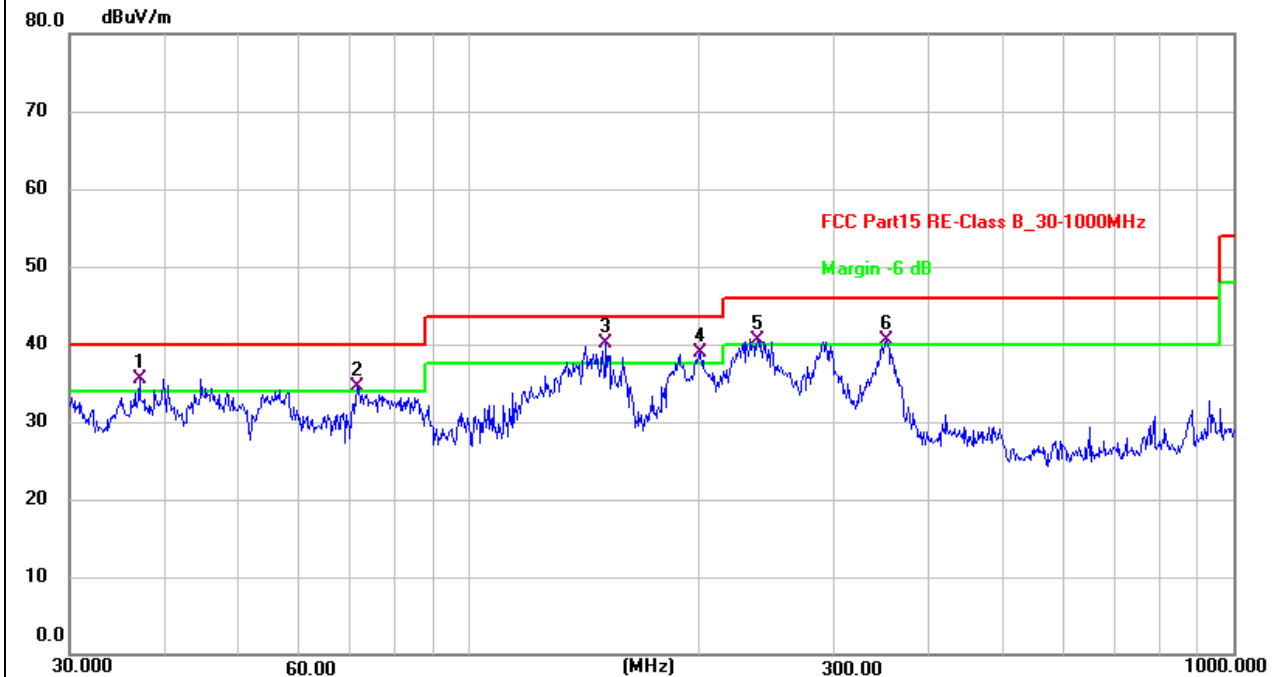
## Radiated Emission Test Data (30MHz to 1GHz)

Tested Mode: TM1

Test Voltage: AC 120V/60Hz

Test Antenna Polarization: Vertical

Remark:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 !	37.0250	44.24	-8.78	35.46	40.00	-4.54	QP	100	69	P	
2 !	71.3300	46.33	-11.86	34.47	40.00	-5.53	QP	100	208	P	
3 *	151.0665	47.77	-7.73	40.04	43.50	-3.46	QP	100	231	P	
4 !	200.6880	51.00	-12.05	38.95	43.50	-4.55	QP	100	88	P	
5 !	238.3101	51.06	-10.56	40.50	46.00	-5.50	QP	100	154	P	
6 !	351.7080	47.90	-7.34	40.56	46.00	-5.44	QP	100	218	P	

Radiated Emission Test Data (Above 1GHz)							
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
Lowest Channel (802.11b_2412MHz)							
4824	79.04	-14.72	64.32	74	-9.68	H	PK
4824	60.5	-14.72	45.78	54	-8.22	H	AV
7236	65.48	-8.41	57.07	74	-16.93	H	PK
7236	45.19	-8.41	36.78	54	-17.22	H	AV
4824	73.09	-14.72	58.37	74	-15.63	V	PK
4824	60.86	-14.72	46.14	54	-7.86	V	AV
7236	63.34	-8.41	54.93	74	-19.07	V	PK
7236	47.78	-8.41	39.37	54	-14.63	V	AV
Middle Channel (802.11b_2437MHz)							
4874	74.12	-14.64	59.48	74	-14.52	H	PK
4874	60.79	-14.64	46.15	54	-7.85	H	AV
7311	65.49	-8.28	57.21	74	-16.79	H	PK
7311	48.22	-8.28	39.94	54	-14.06	H	AV
4874	77.56	-14.64	62.92	74	-11.08	V	PK
4874	59.3	-14.64	44.66	54	-9.34	V	AV
7311	62.54	-8.28	54.26	74	-19.74	V	PK
7311	46.27	-8.28	37.99	54	-16.01	V	AV
Highest Channel (802.11b_2462MHz)							
4924	77.91	-14.53	63.38	74	-10.62	H	PK
4924	62.53	-14.53	48	54	-6	H	AV
7386	65.38	-8.13	57.25	74	-16.75	H	PK
7386	46.76	-8.13	38.63	54	-15.37	H	AV
4924	75.19	-14.53	60.66	74	-13.34	V	PK
4924	59.41	-14.53	44.88	54	-9.12	V	AV
7386	64.39	-8.13	56.26	74	-17.74	V	PK
7386	49.46	-8.13	41.33	54	-12.67	V	AV

Note 1: All of the 802.11b, 802.11g and 802.11n modes have been tested, This EUT was tested in 3 orthogonal positions, with the X-axis being the worst, and the worst case position data of 802.11b was reported.

Note 2: Testing is carried out with frequency rang 9kHz to the tenth harmonics. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

Note 3: Other emissions are attenuated 20dB below the limits from 9kHz to 30MHz, so it does not recorded report, 18GHz-26GHz not recorded for no spurious point have a margin of less than 6 dB with respect to the limits.

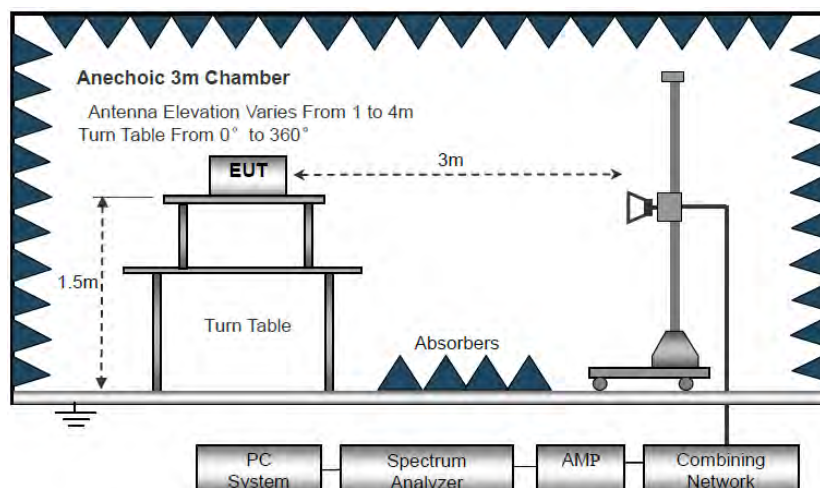
## 6. Band-edge Emissions(Radiated)

### 6.1 Standard and Limit

According to §15.247(d), 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

### 6.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.3 to 6.6 and section 6.10.



Test Setup Block Diagram

As the radiated emissions testing, set the Lowest and Highest Transmitting Channel, observed the outside band of 2310MHz to 2400MHz and 2483.5MHz to 2500MHz, than mark the higher-level emission for comparing with the FCC rules.

### 6.3 Test Data and Results

All of the 802.11b, 802.11g and 802.11n modes have been tested, the EUT complied with the FCC Part 15.247 standard limit, and with the worst case 802.11b as below:

Test Mode	Frequency	Limit	Result
	MHz	dBuV/dBc	
Lowest	2310.00	<54 dBuV	Pass
	2390.00	<54 dBuV	Pass
Highest	2483.50	<54 dBuV	Pass
	2500.00	<54 dBuV	Pass

Radiated Emission Test Data (Band edge emissions)							
Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
MHz	dBuV/m	dB/m	dBuV/m	dBuV/m	dB	H/V	PK/AV
Lowest Channel (802.11b_2412MHz)							
2310	65.76	-21.34	44.42	74	-29.58	H	PK
2310	52.79	-21.34	31.45	54	-22.55	H	AV
2390	69.71	-20.96	48.75	74	-25.25	H	PK
2390	52.83	-20.96	31.87	54	-22.13	H	AV
2400	67.28	-20.91	46.37	74	-27.63	H	PK
2400	53.42	-20.91	32.51	54	-21.49	H	AV
2310	65.62	-21.34	44.28	74	-29.72	V	PK
2310	52.62	-21.34	31.28	54	-22.72	V	AV
2390	68.7	-20.96	47.74	74	-26.26	V	PK
2390	52.02	-20.96	31.06	54	-22.94	V	AV
2400	68.61	-20.91	47.7	74	-26.3	V	PK
2400	55.77	-20.91	34.86	54	-19.14	V	AV
Highest Channel (802.11b_2462MHz)							
2483.50	71.91	-20.51	51.4	74	-22.6	H	PK
2483.50	53.18	-20.51	32.67	54	-21.33	H	AV
2500	64.1	-20.43	43.67	74	-30.33	H	PK
2500	52.6	-20.43	32.17	54	-21.83	H	AV
2483.50	70.7	-20.51	50.19	74	-23.81	V	PK
2483.50	52.33	-20.51	31.82	54	-22.18	V	AV
2500	65.3	-20.43	44.87	74	-29.13	V	PK
2500	49.98	-20.43	29.55	54	-24.45	V	AV

Remark: Level = Reading + Factor, Margin = Level - Limit

## 7. Maximum Conducted Output Power

### 7.1 Standard and Limit

According to 15.247(b)(3). For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the *maximum conducted output power* is the highest total transmit power occurring in any mode.

### 7.2 Test Procedure

A spectrum analyzer or similar device shall be used to observe a sample of the modulated transmitter's radio frequency power output.

- 1) A measurement instrument with an integrated channel bandwidth function may be used to automate the test process.
- 2) Set center of frequency = operating frequency.
- 3) Connect the EUT to the RF input of the spectrum analyzer via a low loss RF cable
- 4) Set the RBW = 1MHz, VBW = 3MHz, Detector = RMS, Sweep = Auto.
- 5) Set the SPAN to 40MHz/80MHz for 20MHz/40MHz emission bandwidth mode.
- 6) Measure the highest amplitude appearing on spectral display and mark the value.
- 7) Repeat the above procedures until all frequency measured was complete.



Test Setup Block Diagram

### 7.3 Test Data and Results



## Duty Cycle

Test Mode	Test Channel MHz	Duty Cycle (%)	Correction Factor (dBm)	1/T (kHz)
802.11b	2412	64.89	1.88	1.08
	2437	64.8	1.88	1.08
	2462	64.89	1.88	1.08
802.11g	2412	25.82	5.88	5.75
	2437	25.82	5.88	5.75
	2462	25.82	5.88	5.75
802.11n(HT20)	2412	24.47	6.11	6.17
	2437	24.47	6.11	6.17
	2462	24.47	6.11	6.17
802.11n(HT40)	2422	16.05	7.95	10.42
	2437	16.05	7.95	10.42
	2452	16.39	7.85	10.2

Center Freq 2.462000000 GHz

Ref Offset 1.7 dB  
Ref 20.00 dBm

Trig: Free Run  
IF Gain: Low  
#Att: 30 dB

#Avg Type: RMS

Time: 08:47:32 AM Mon Oct 6, 2025

Frequency

Auto Tune

Center Freq  
2.462000000 GHz

Start Freq  
2.462000000 GHz

Stop Freq  
2.462000000 GHz

CF Step  
8.000000 MHz

Auto

Frequency Offset  
0 Hz

Scale Type  
Log

Span 0 Hz

Center 2.462000000 GHz

#VBW 8.0 MHz

Sweep 20.00 ms (10001 pts)

Marker 1 470.0  $\mu$ s  
13.44 dBm

Marker 2 970.0  $\mu$ s  
-8.67 dBm

Marker 3 1.144 ms  
-14.90 dBm

Marker 4 1.144 ms  
-14.90 dBm

Marker 5 1.144 ms  
-14.90 dBm

Marker 6 1.144 ms  
-14.90 dBm

Marker 7 1.144 ms  
-14.90 dBm

Marker 8 1.144 ms  
-14.90 dBm

Marker 9 1.144 ms  
-14.90 dBm

Marker 10 1.144 ms  
-14.90 dBm

Marker 11 1.144 ms  
-14.90 dBm

Marker 12 1.144 ms  
-14.90 dBm

Marker 13 1.144 ms  
-14.90 dBm

Marker 14 1.144 ms  
-14.90 dBm

Marker 15 1.144 ms  
-14.90 dBm

Marker 16 1.144 ms  
-14.90 dBm

Marker 17 1.144 ms  
-14.90 dBm

Marker 18 1.144 ms  
-14.90 dBm

Marker 19 1.144 ms  
-14.90 dBm

Marker 20 1.144 ms  
-14.90 dBm

Marker 21 1.144 ms  
-14.90 dBm

Marker 22 1.144 ms  
-14.90 dBm

Marker 23 1.144 ms  
-14.90 dBm

Marker 24 1.144 ms  
-14.90 dBm

Marker 25 1.144 ms  
-14.90 dBm

Marker 26 1.144 ms  
-14.90 dBm

Marker 27 1.144 ms  
-14.90 dBm

Marker 28 1.144 ms  
-14.90 dBm

Marker 29 1.144 ms  
-14.90 dBm

Marker 30 1.144 ms  
-14.90 dBm

Marker 31 1.144 ms  
-14.90 dBm

Marker 32 1.144 ms  
-14.90 dBm

Marker 33 1.144 ms  
-14.90 dBm

Marker 34 1.144 ms  
-14.90 dBm

Marker 35 1.144 ms  
-14.90 dBm

Marker 36 1.144 ms  
-14.90 dBm

Marker 37 1.144 ms  
-14.90 dBm

Marker 38 1.144 ms  
-14.90 dBm

Marker 39 1.144 ms  
-14.90 dBm

Marker 40 1.144 ms  
-14.90 dBm

Marker 41 1.144 ms  
-14.90 dBm

Marker 42 1.144 ms  
-14.90 dBm

Marker 43 1.144 ms  
-14.90 dBm

Marker 44 1.144 ms  
-14.90 dBm

Marker 45 1.144 ms  
-14.90 dBm

Marker 46 1.144 ms  
-14.90 dBm

Marker 47 1.144 ms  
-14.90 dBm

Marker 48 1.144 ms  
-14.90 dBm

Marker 49 1.144 ms  
-14.90 dBm

Marker 50 1.144 ms  
-14.90 dBm

Marker 51 1.144 ms  
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Marker 57 1.144 ms  
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Marker 58 1.144 ms  
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Marker 59 1.144 ms  
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Marker 60 1.144 ms  
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Marker 61 1.144 ms  
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Marker 62 1.144 ms  
-14.90 dBm

Marker 63 1.144 ms  
-14.90 dBm

Marker 64 1.144 ms  
-14.90 dBm

Marker 65 1.144 ms  
-14.90 dBm

Marker 66 1.144 ms  
-14.90 dBm

Marker 67 1.144 ms  
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Marker 68 1.144 ms  
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Marker 69 1.144 ms  
-14.90 dBm

Marker 70 1.144 ms  
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Marker 71 1.144 ms  
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Marker 72 1.144 ms  
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Marker 73 1.144 ms  
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Marker 80 1.144 ms  
-14.90 dBm

Marker 81 1.144 ms  
-14.90 dBm

Marker 82 1.144 ms  
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Marker 83 1.144 ms  
-14.90 dBm

Marker 84 1.144 ms  
-14.90 dBm

Marker 85 1.144 ms  
-14.90 dBm

Marker 86 1.144 ms  
-14.90 dBm

Marker 87 1.144 ms  
-14.90 dBm

Marker 88 1.144 ms  
-14.90 dBm

Marker 89 1.144 ms  
-14.90 dBm

Marker 90 1.144 ms  
-14.90 dBm

Marker 91 1.144 ms  
-14.90 dBm

Marker 92 1.144 ms  
-14.90 dBm

Marker 93 1.144 ms  
-14.90 dBm

Marker 94 1.144 ms  
-14.90 dBm

Marker 95 1.144 ms  
-14.90 dBm

Marker 96 1.144 ms  
-14.90 dBm

Marker 97 1.144 ms  
-14.90 dBm

Marker 98 1.144 ms  
-14.90 dBm

Marker 99 1.144 ms  
-14.90 dBm

Marker 100 1.144 ms  
-14.90 dBm

Marker 101 1.144 ms  
-14.90 dBm

Marker 102 1.144 ms  
-14.90 dBm

Marker 103 1.144 ms  
-14.90 dBm

Marker 104 1.144 ms  
-14.90 dBm

Marker 105 1.144 ms  
-14.90 dBm

Marker 106 1.144 ms  
-14.90 dBm

Marker 107 1.144 ms  
-14.90 dBm

Marker 108 1.144 ms  
-14.90 dBm

Marker 109 1.144 ms  
-14.90 dBm

Marker 110 1.144 ms  
-14.90 dBm

Marker 111 1.144 ms  
-14.90 dBm

Marker 112 1.144 ms  
-14.90 dBm

Marker 113 1.144 ms  
-14.90 dBm

Marker 114 1.144 ms  
-14.90 dBm

Marker 115 1.144 ms  
-14.90 dBm

Marker 116 1.144 ms  
-14.90 dBm

Marker 117 1.144 ms  
-14.90 dBm

Marker 118 1.144 ms  
-14.90 dBm

Marker 119 1.144 ms  
-14.90 dBm

Marker 120 1.144 ms  
-14.90 dBm

Marker 121 1.144 ms  
-14.90 dBm

Marker 122 1.144 ms  
-14.90 dBm

Marker 123 1.144 ms  
-14.90 dBm

Marker 124 1.144 ms  
-14.90 dBm

Marker 125 1.144 ms  
-14.90 dBm

Marker 126 1.144 ms  
-14.90 dBm

Marker 127 1.144 ms  
-14.90 dBm

Marker 128 1.144 ms  
-14.90 dBm

Marker 129 1.144 ms  
-14.90 dBm

Marker 130 1.144 ms  
-14.90 dBm

Marker 131 1.144 ms  
-14.90 dBm

Marker 132 1.144 ms  
-14.90 dBm

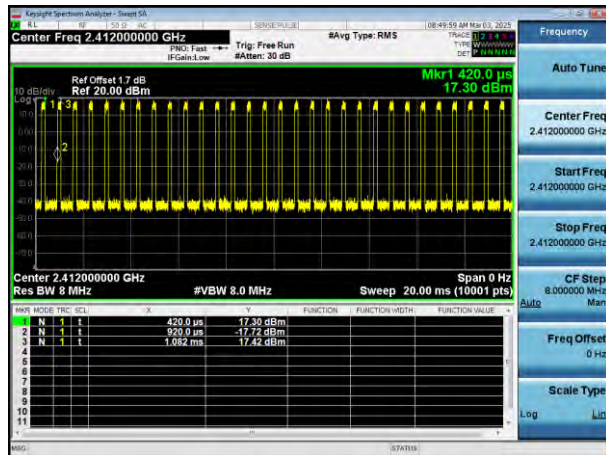
Marker 133 1.144 ms  
-14.90 dBm

Marker 134 1.144 ms  
-14.90 dBm

Marker

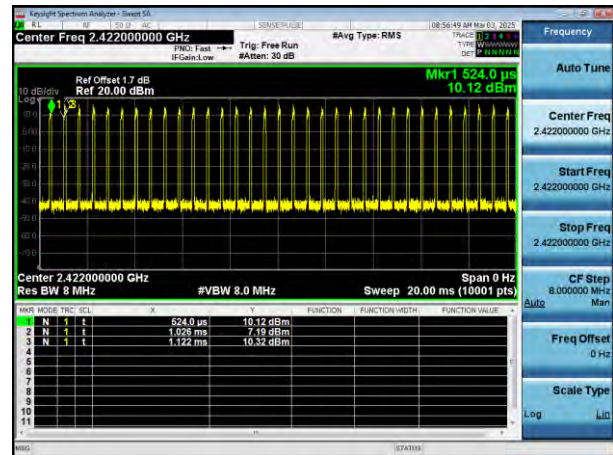
802.11n(HT20)

2412MHz

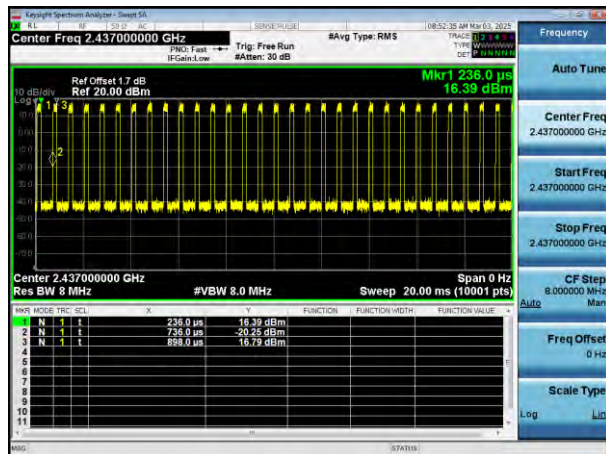


802.11n(HT40)

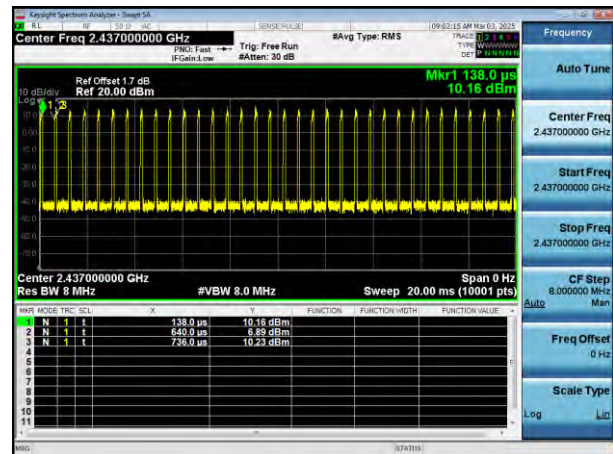
2422MHz



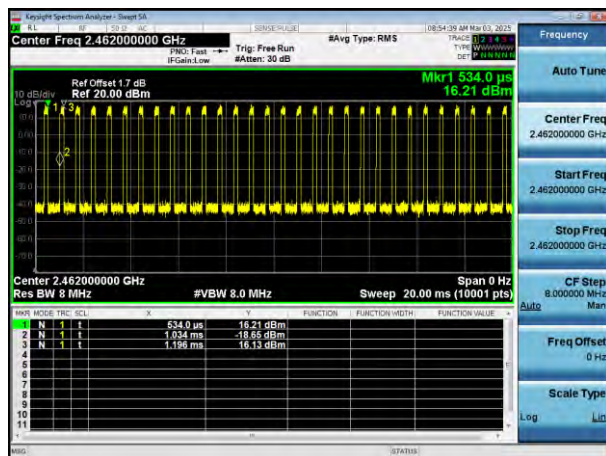
2437MHz



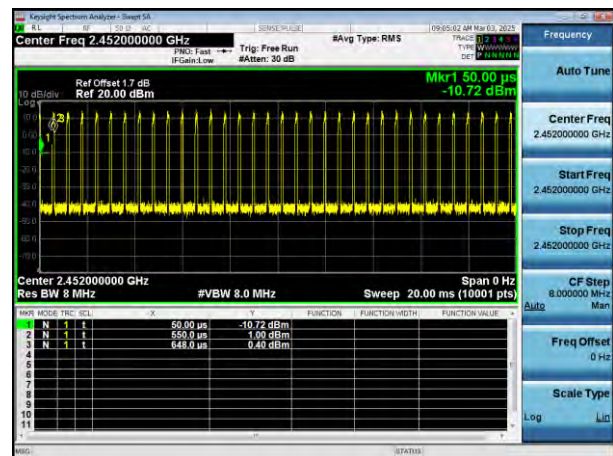
2437MHz



2462MHz



2452MHz



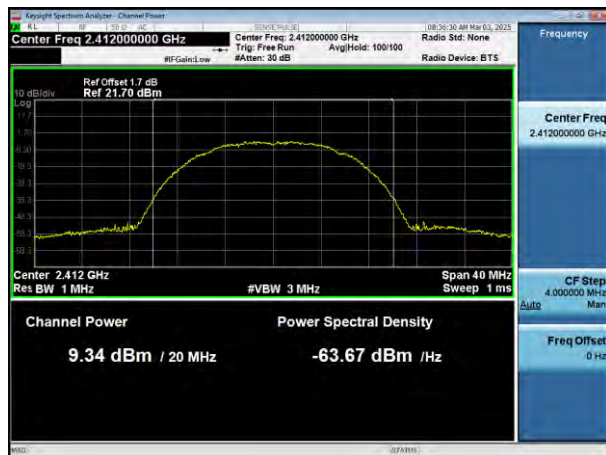
Test Mode	Test Channel (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Test Result
802.11b	2412	9.34	1.88	11.22	30	Pass
	2437	8.54	1.88	10.42	30	Pass
	2462	8.22	1.88	10.1	30	Pass
802.11g	2412	6.22	5.88	12.1	30	Pass
	2437	5.37	5.88	11.25	30	Pass
	2462	4.53	5.88	10.41	30	Pass
802.11n(HT20)	2412	6.61	6.11	12.72	30	Pass
	2437	5.45	6.11	11.56	30	Pass
	2462	5.71	6.11	11.82	30	Pass
802.11n(HT40)	2422	5.12	7.95	13.07	30	Pass
	2437	3.96	7.95	11.91	30	Pass
	2452	4.11	7.85	11.96	30	Pass

Note: Total Power = Conducted Power + Duty Factor



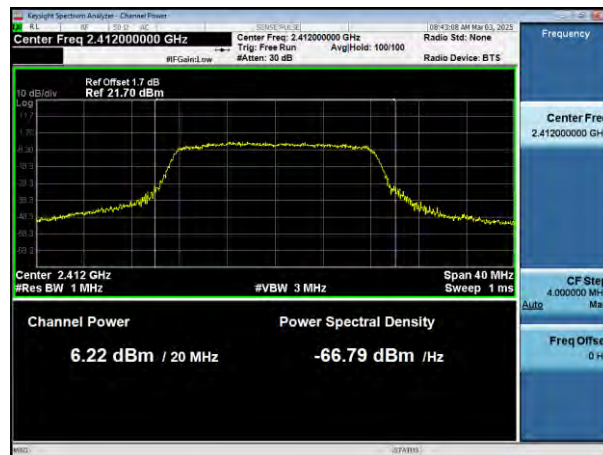
802.11b

2412MHz



802.11g

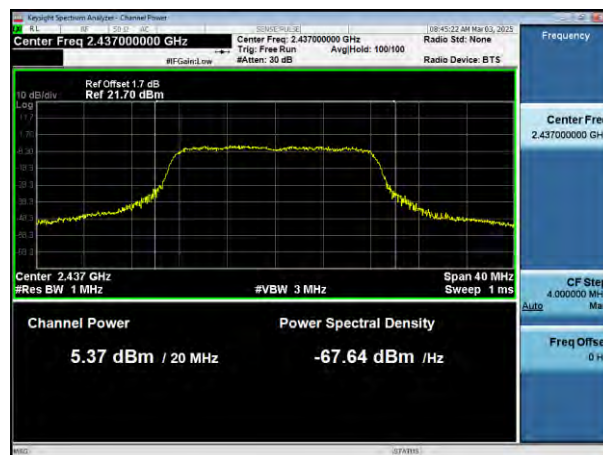
2412MHz



2437MHz



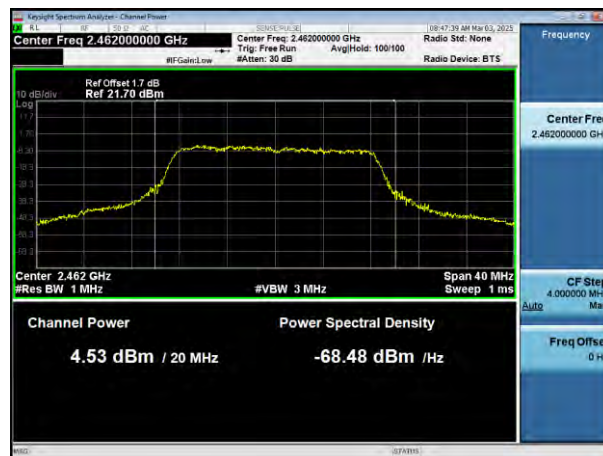
2437MHz



2462MHz



2462MHz



802.11n(HT20)

2412MHz



802.11n(HT40)

2422MHz



2437MHz



2437MHz



2462MHz



2452MHz



## 8. Occupied Bandwidth

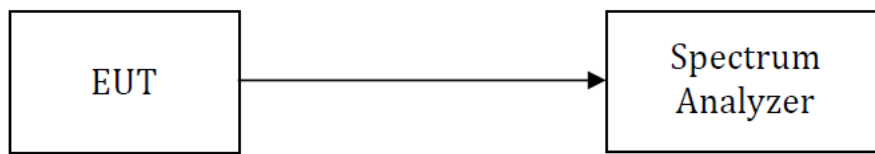
### 8.1 Standard and Limit

According to 15.247(a)(2), Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

### 8.2 Test Procedure

According to the ANSI 63.10-2013, section 6.9, the emission bandwidth test method as follows.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 100kHz, VBW = 300kHz, Sweep = Auto.
- 4) Set a reference level on the measuring instrument equal to the highest peak value.
- 5) Measure the frequency difference of two frequencies that were attenuated 6dB from the reference level. Record the frequency difference as the emission bandwidth.
- 6) Repeat the above procedures until all frequencies measured were complete.



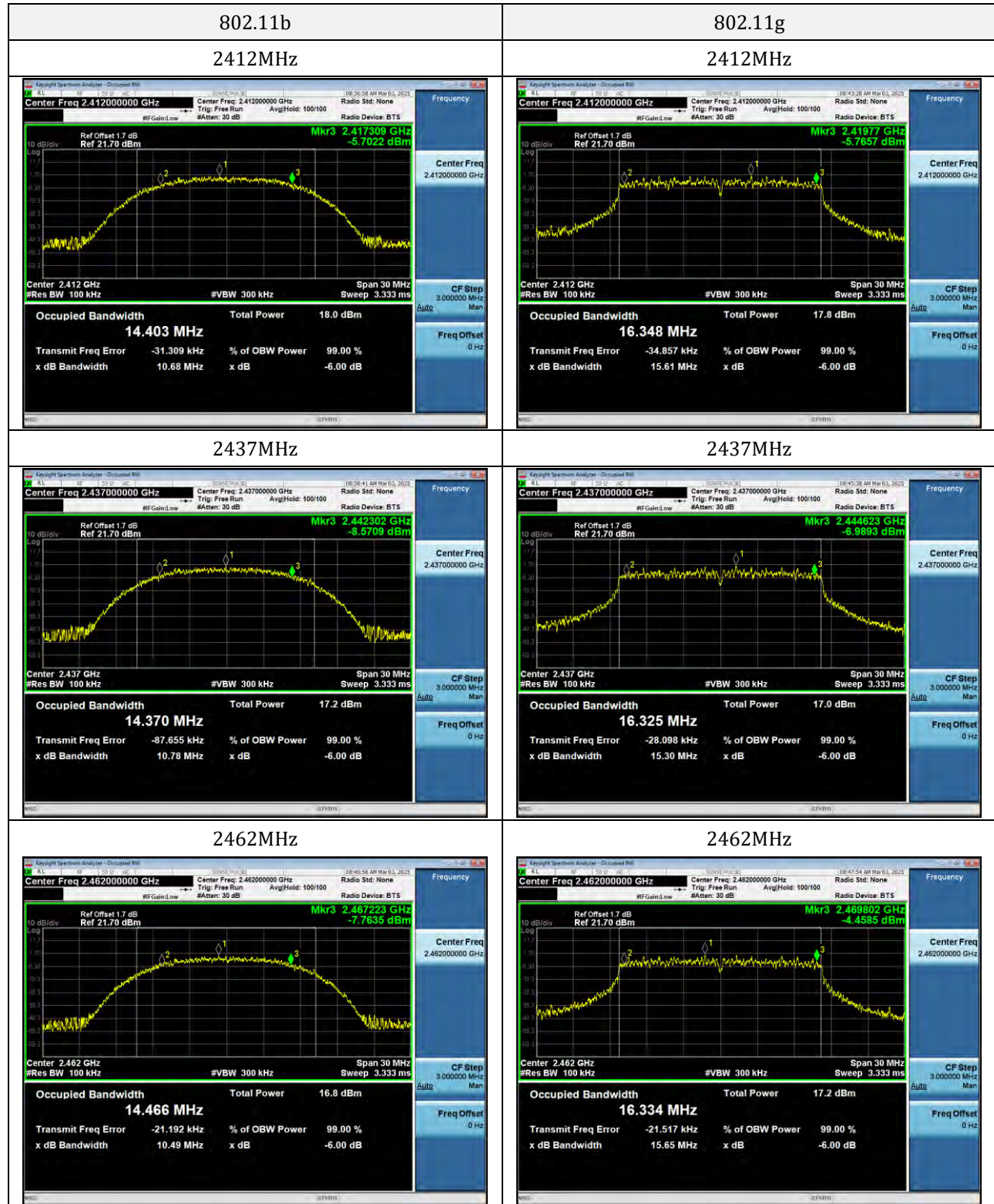
Test Setup Block Diagram

### 8.3 Test Data and Results

Test Mode	Test Channel (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB BW Limit (MHz)	Test Result
802.11b	2412	10.681	14.458	0.5	Pass
	2437	10.779	14.474	0.5	Pass
	2462	10.488	14.43	0.5	Pass
802.11g	2412	15.61	16.373	0.5	Pass
	2437	15.302	16.379	0.5	Pass
	2462	15.648	16.367	0.5	Pass
802.11n(HT20)	2412	16.523	17.612	0.5	Pass
	2437	16.507	17.584	0.5	Pass
	2462	16.361	17.57	0.5	Pass
802.11n(HT40)	2422	35.107	36.124	0.5	Pass
	2437	34.744	36.097	0.5	Pass
	2452	35.091	36.119	0.5	Pass



6dB Bandwidth:



## 802.11n(HT20)

2412MHz



## 802.11n(HT40)

2422MHz



2437MHz



2437MHz



2462MHz

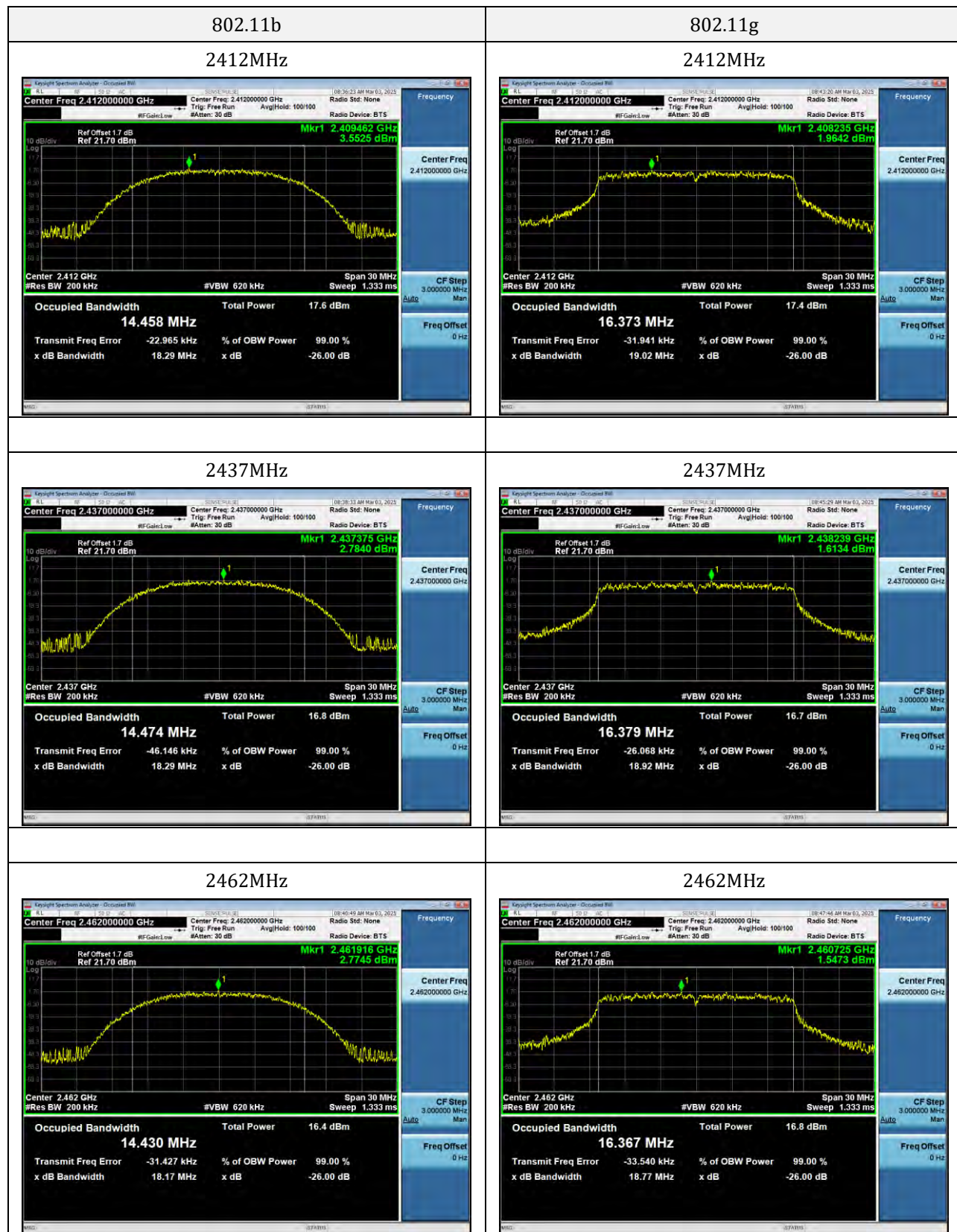


2452MHz





99% Bandwidth:



## 802.11n(HT20)

2412MHz



## 802.11n(HT40)

2422MHz



2437MHz



2437MHz



2462MHz



2452MHz



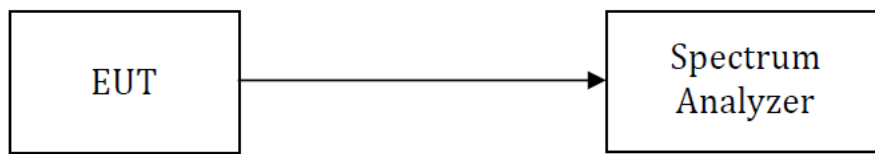
## 9. Maximum Power Spectral Density

### 9.1 Standard and Limit

According to FCC 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

### 9.2 Test Procedure

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 3kHz, VBW = 10kHz, Sweep = Auto, Detector = RMS.
- 4) Measure the highest amplitude appearing on spectral display and mark the value.
- 5) Repeat above procedures until all frequencies measured were complete.



Test Setup Block Diagram

### 9.3 Test Data and Results

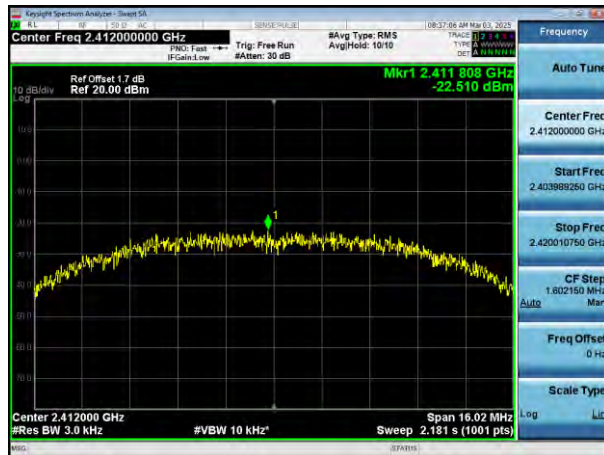
Test Mode	Test Channel (MHz)	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Test Result
802.11b	2412	-22.51	1.88	-20.63	8	Pass
	2437	-22.4	1.88	-20.52	8	Pass
	2462	-23.85	1.88	-21.97	8	Pass
802.11g	2412	-24.34	5.88	-18.46	8	Pass
	2437	-25.18	5.88	-19.3	8	Pass
	2462	-24.93	5.88	-19.05	8	Pass
802.11n(HT20)	2412	-23.99	6.11	-17.88	8	Pass
	2437	-24.61	6.11	-18.5	8	Pass
	2462	-25.51	6.11	-19.4	8	Pass
802.11n(HT40)	2422	-28.4	7.95	-20.45	8	Pass
	2437	-29.34	7.95	-21.39	8	Pass
	2452	-29.38	7.85	-21.53	8	Pass

Note: Total PSD = Conducted PSD + Duty Factor



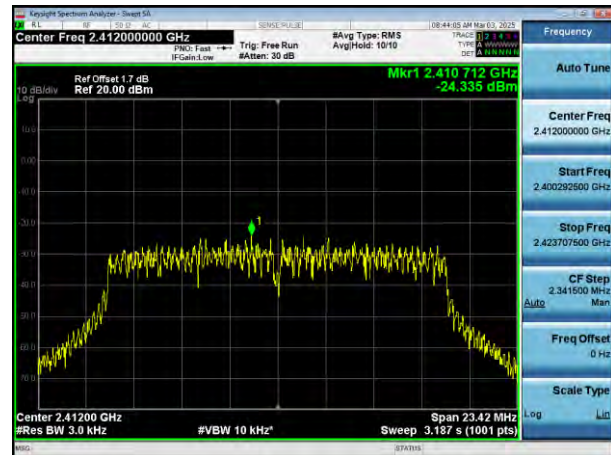
802.11b

2412MHz

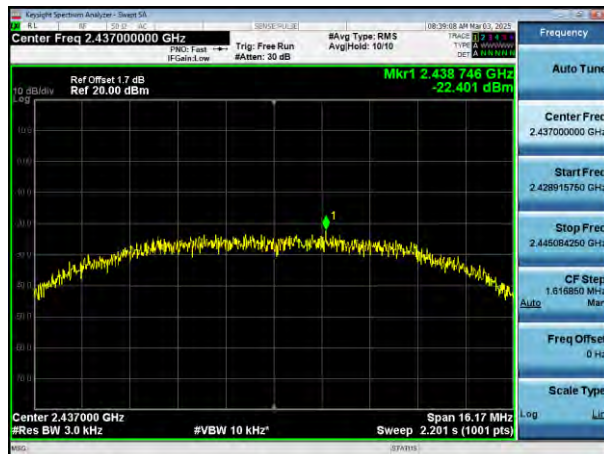


802.11g

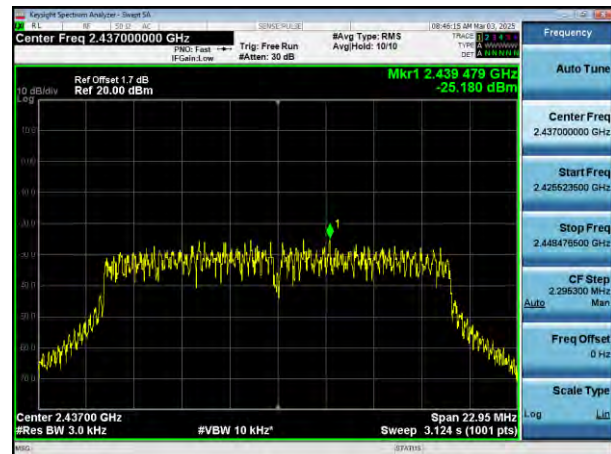
2412MHz



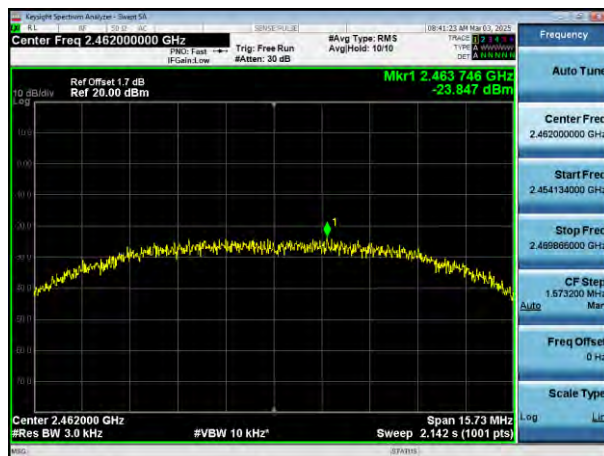
2437MHz



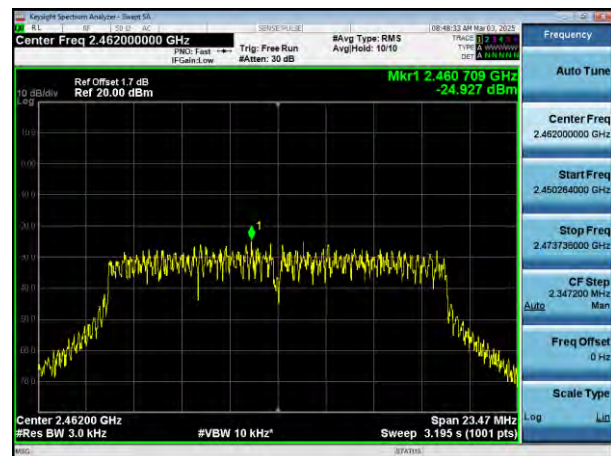
2437MHz



2462MHz

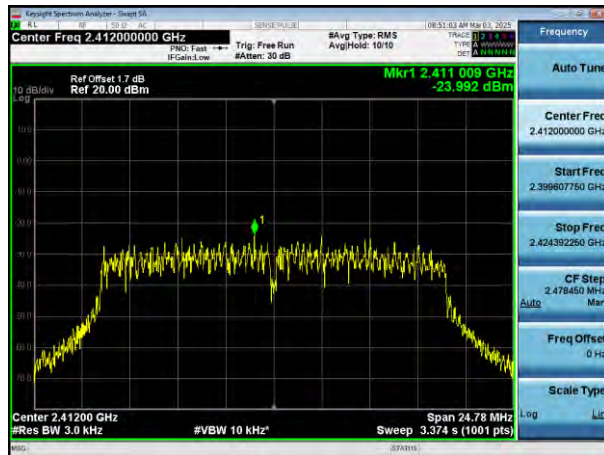


2462MHz



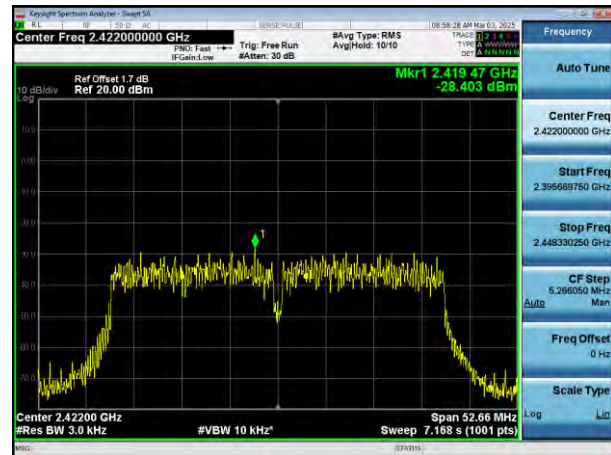
802.11n(HT20)

2412MHz

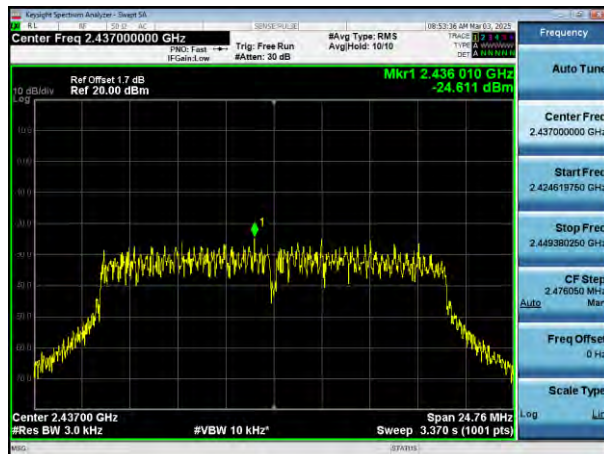


802.11n(HT40)

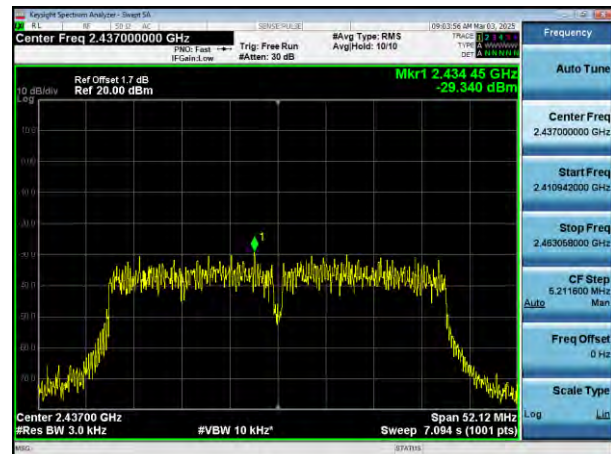
2422MHz



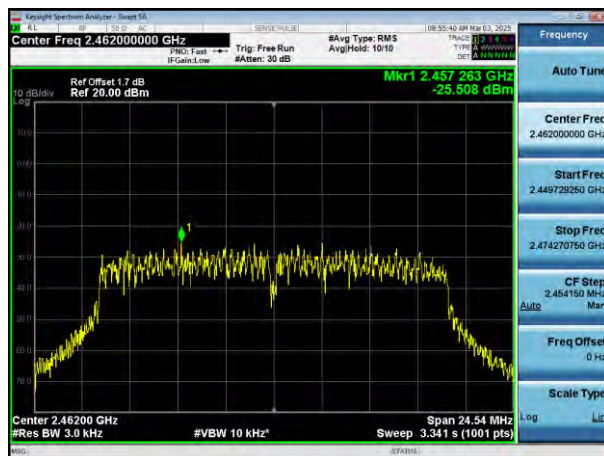
2437MHz



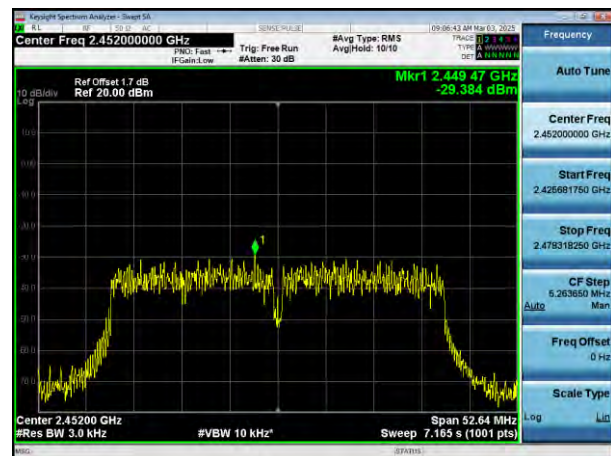
2437MHz



2462MHz



2452MHz





## 10. Band-edge Emission(Conducted)

### 10.1 Standard and Limit

According to §15.247(d), 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

### 10.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.10.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 100kHz, VBW = 300kHz, Sweep = Auto, Detector = Peak.
- 4) Measure the highest amplitude appearing on spectral display and set it as a reference level.
- 5) Set a convenient frequency span including 100 kHz bandwidth from band edge.
- 6) Measure the emission and marking the edge frequency.
- 7) Repeat above procedures until all frequencies measured were complete.



Test Setup Block Diagram

### 10.3 Test Data and Results

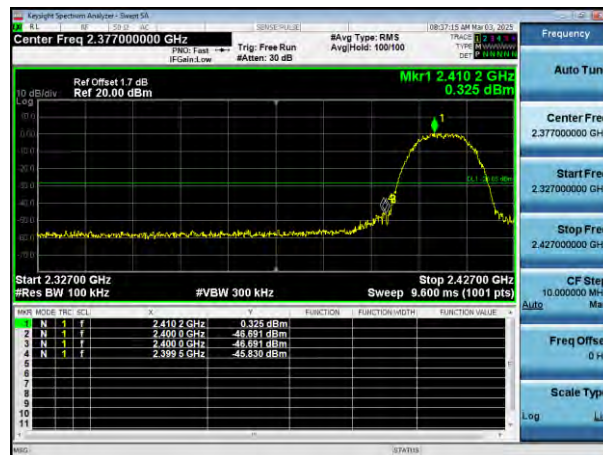
Test Mode	Band-edge	Test Channel (MHz)	Max. Value (dBc)	Limit (dBc)	Test Result
802.11b	Lowest	2412	-47.17	-30	Pass
	Highest	2462	-54.01	-30	Pass
802.11g	Lowest	2412	-38.06	-30	Pass
	Highest	2462	-49.81	-30	Pass
802.11n(HT20)	Lowest	2412	-37.3	-30	Pass
	Highest	2462	-47.96	-30	Pass
802.11n(HT40)	Lowest	2422	-35.16	-30	Pass
	Highest	2452	-36.76	-30	Pass

## 802.11b Lowest

Reference Power



Band-edge Emission

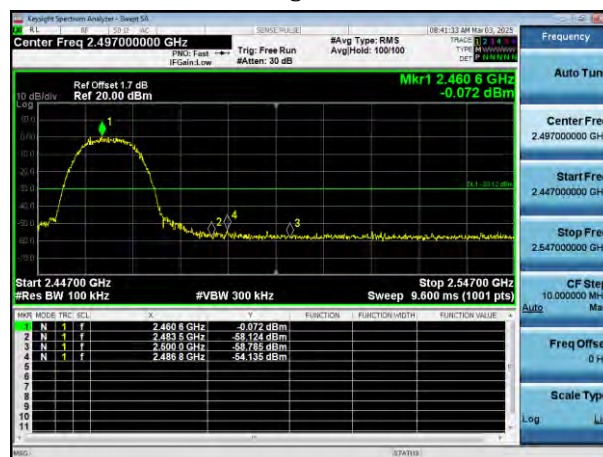


## 802.11b Highest

Reference Power

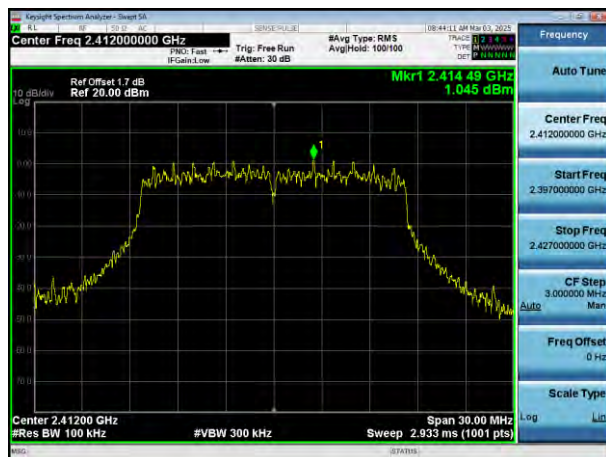


Band-edge Emission

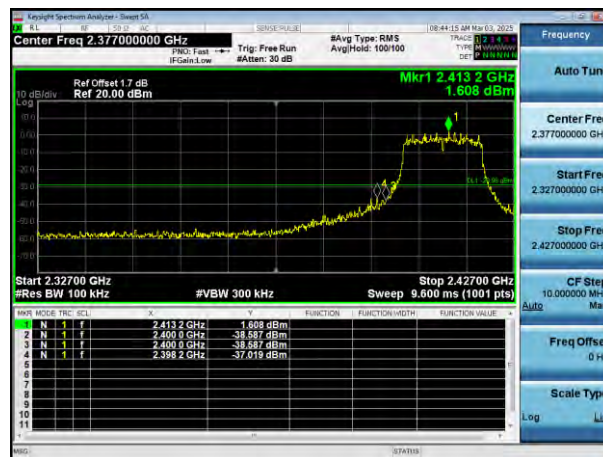


## 802.11g Lowest

Reference Power



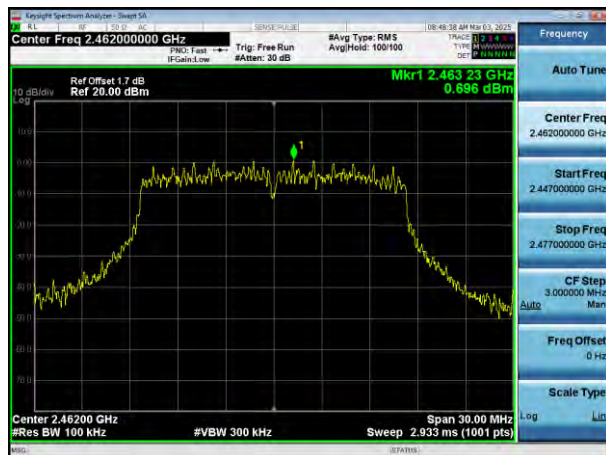
Band-edge Emission



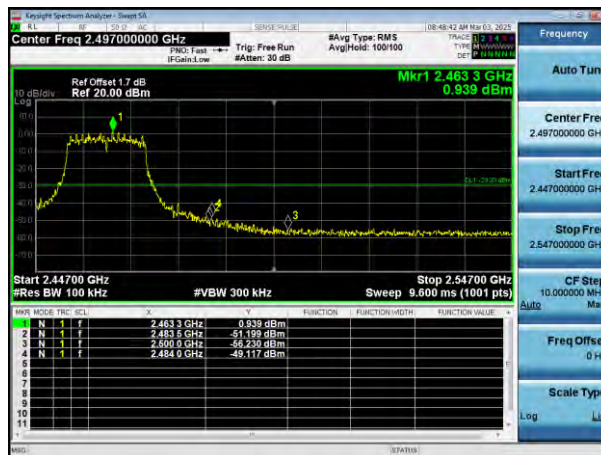


## 802.11g Highest

Reference Power



Band-edge Emission

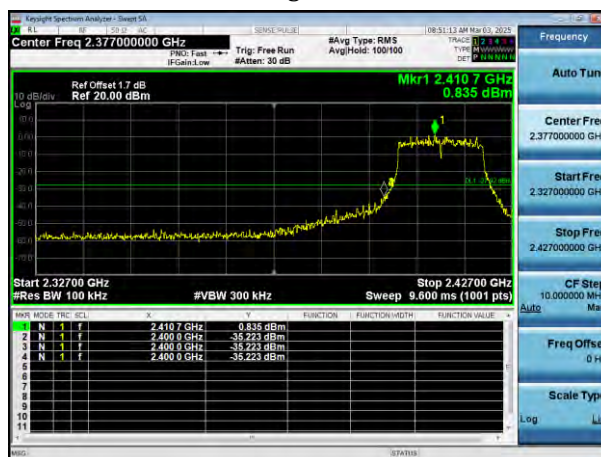


## 802.11n(HT20) Lowest

Reference Power

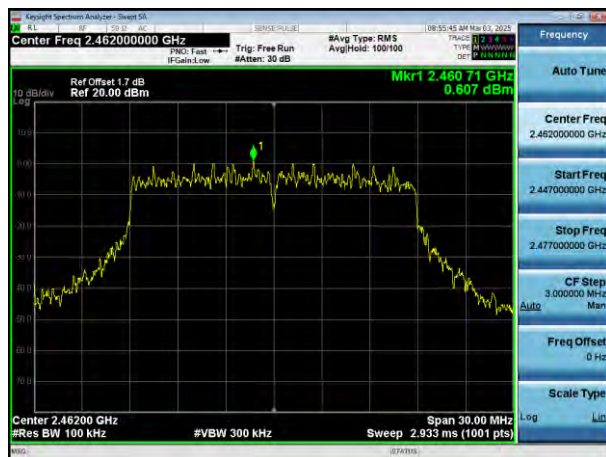


Band-edge Emission

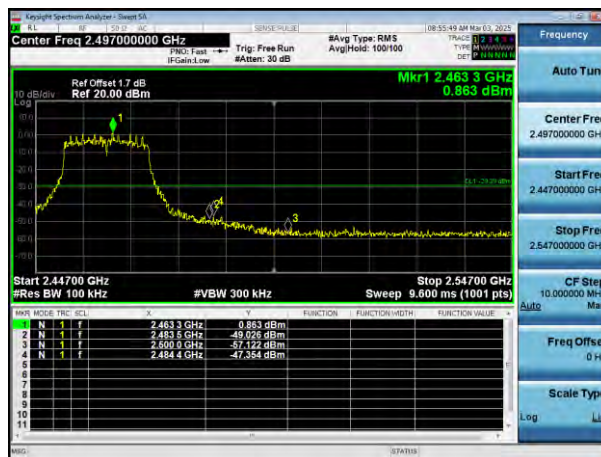


## 802.11n(HT20) Highest

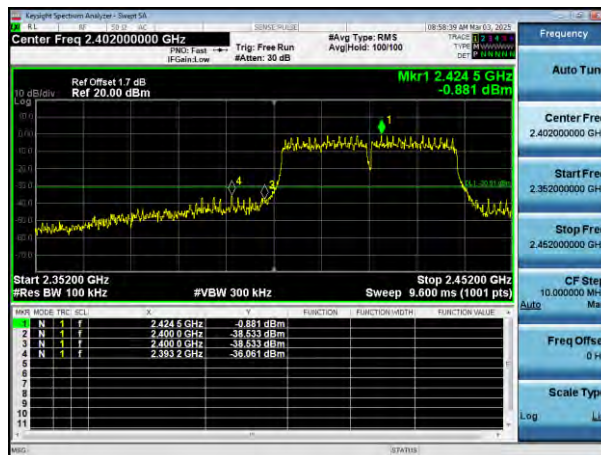
Reference Power



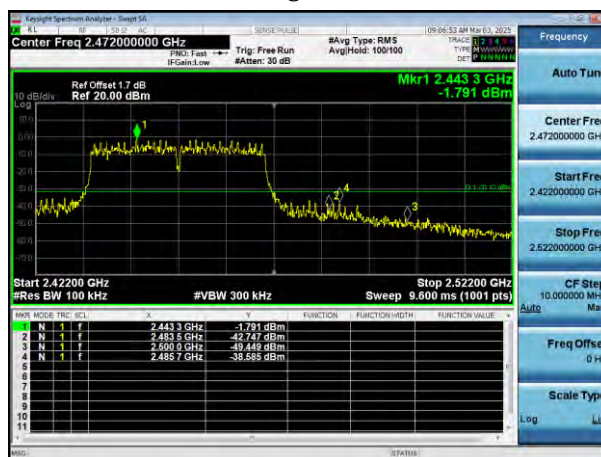
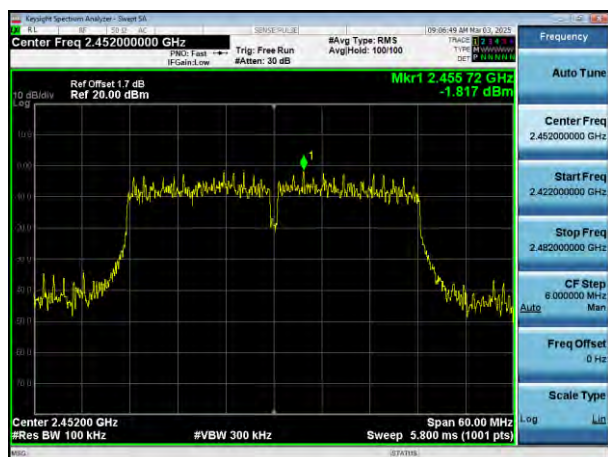
Band-edge Emission



### Band-edge Emission



### Band-edge Emission



## 11. Conducted RF Spurious Emissions

### 11.1 Standard and Limit

According to §15.247(d), 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. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

### 11.2 Test Procedure

Test is conducting under the description of ANSI C63.10 - 2013 section 6.7.

- 1) Remove the antenna from the EUT and connect to the spectrum analyzer via a low loss RF cable.
- 2) Set the spectrum analyzer to any one measured frequency within its operating range.
- 3) Set RBW = 100kHz, VBW = 300kHz, Sweep = Auto, Detector = Peak.
- 4) Measure the highest amplitude appearing on spectral display and set it as a reference level.
- 5) Measure the spurious emissions with frequency range from 9kHz to 26.5GHz.
- 6) Repeat above procedures until all measured frequencies were complete.



Test Setup Block Diagram

### 11.3 Test Data and Results

*Note: The measurement frequency range is from 9kHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions measurement data.*

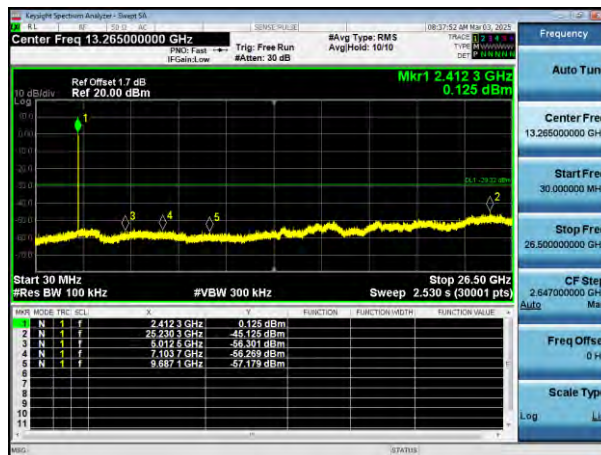


## 802.11b Lowest

Reference Power



Spurious Emissions

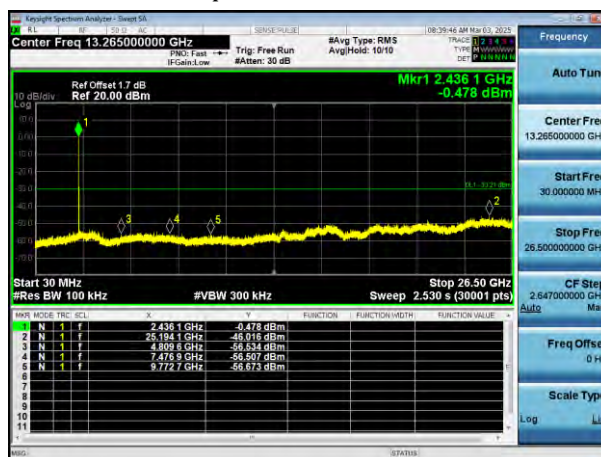


## 802.11b Middle

Reference Power



Spurious Emissions

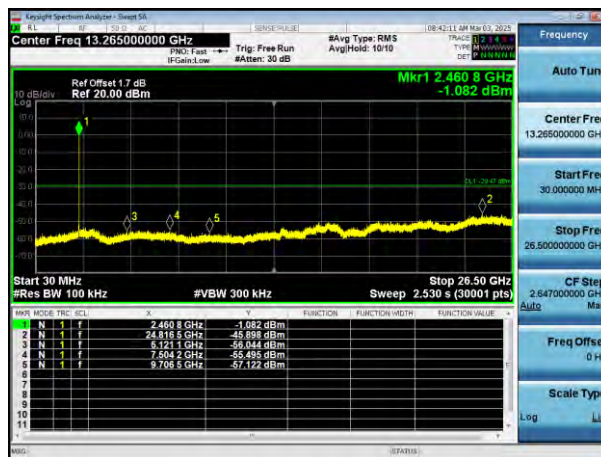


## 802.11b Highest

Reference Power



Spurious Emissions

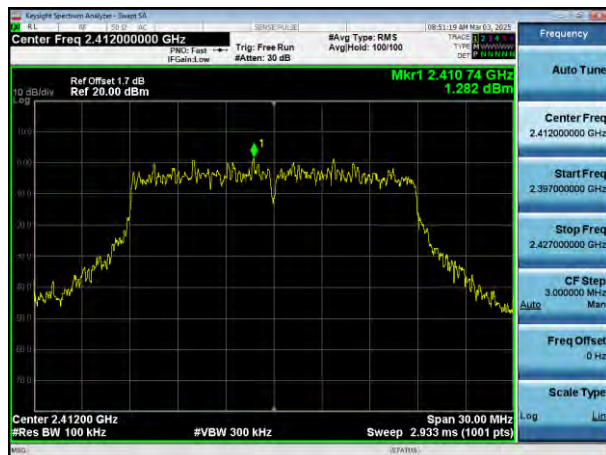




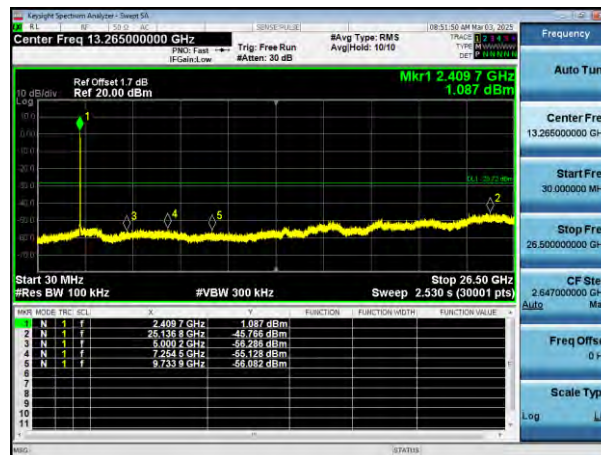


## 802.11n(HT20) Lowest

Reference Power

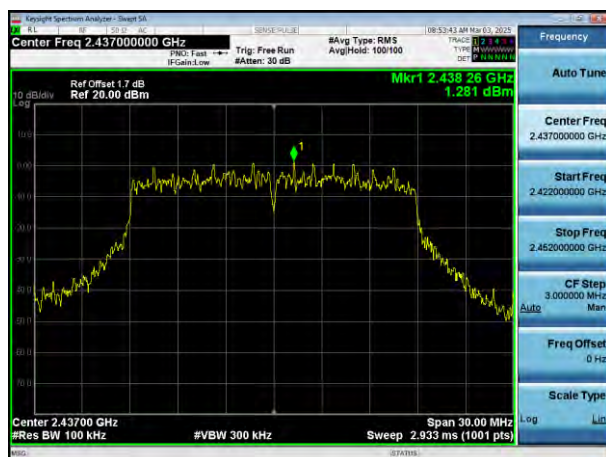


## Spurious Emissions

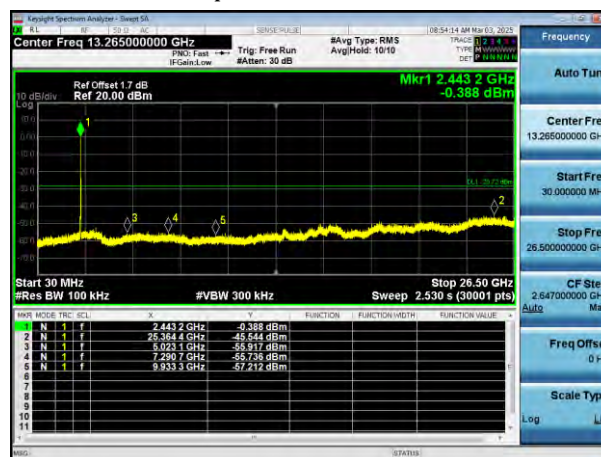


## 802.11n(HT20) Middle

Reference Power

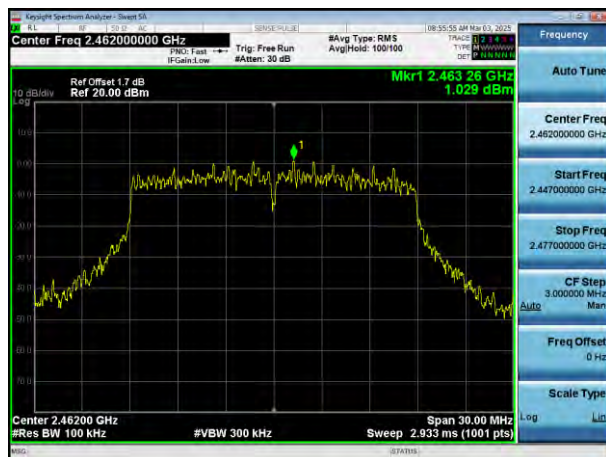


## Spurious Emissions

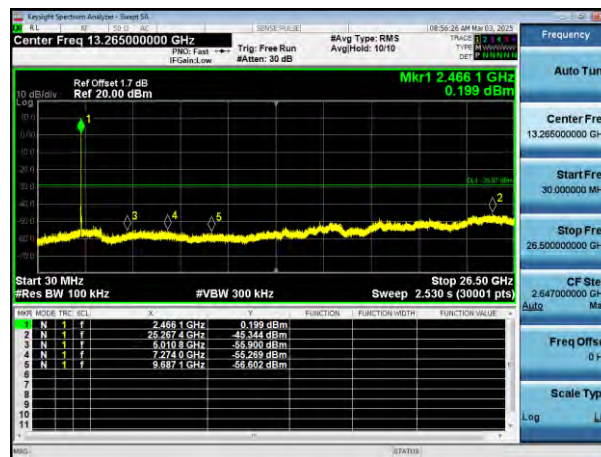


## 802.11n(HT20) Highest

Reference Power

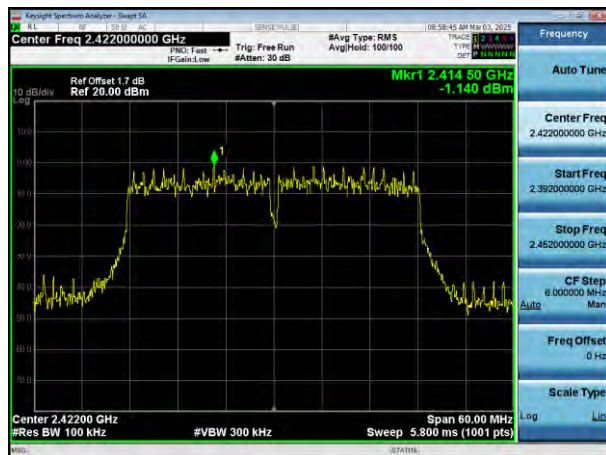


## Spurious Emissions

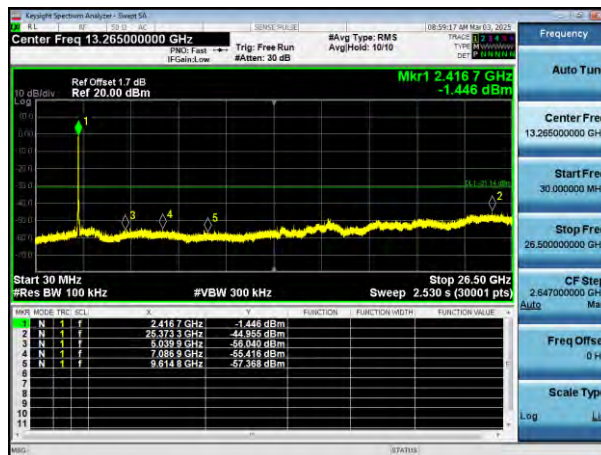


## 802.11n(HT40) Lowest

Reference Power

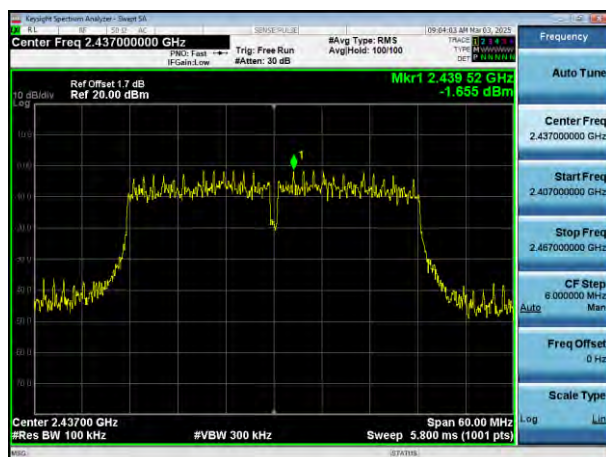


Spurious Emissions

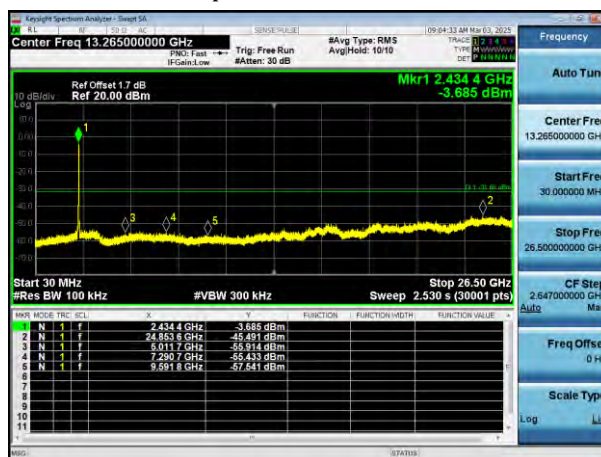


## 802.11n(HT40) Middle

Reference Power



Spurious Emissions

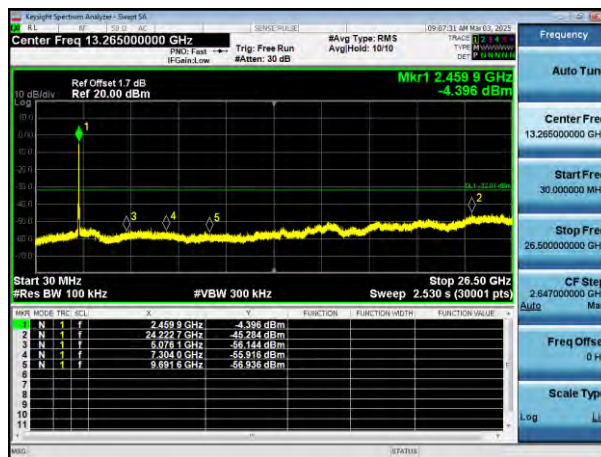


## 802.11n(HT40) Highest

Reference Power



Spurious Emissions



\*\*\*\*\* END OF REPORT \*\*\*\*\*