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# TEST REPORT FOR WLAN TESTING

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Report No.: SRTC2024-9004(F)-24081205(F)

Product Name: Smart Phone

Brand Name: SHARP

Applicant: SHARP CORPORATION

Manufacturer: SHARP CORPORATION

Specification: FCC Part 15 Subpart C (2023)

FCC ID: APYHRO00333

The State Radio\_monitoring\_center Testing Center (SRTC)

15th Building, No.30Shixing Street, Shijingshan District, Beijing, P.R.China

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## **1. GENERAL INFORMATION**

### **1.1 Notes of the test report**

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### **1.2 Information about the testing laboratory**

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Test Site 1:	15th Building, No.30 Shixing Street, Shijingshan District
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### **1.3 Applicant's details**

Company:	SHARP CORPORATION
Address:	1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan
City:	Osaka
Country or Region:	Japan
Contacted person:	Mr. Taihei Ohtsuka

### **1.4 Manufacturer's details**

Company:	SHARP CORPORATION
Address:	1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan
City:	Osaka
Country or Region:	Japan
Contacted person:	Mr. Taihei Ohtsuka



### 1.5 Test Environment

Date of Receipt of test sample at SRTC:	2024/8/12
Testing Start Date:	2024/8/13
Testing End Date:	2024/9/14

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient	25	40
Maximum Extreme	55	---
Minimum Extreme	-10	---

Normal Supply Voltage (V d.c.):	4.0
Maximum Extreme Supply Voltage (V d.c.):	4.3
Minimum Extreme Supply Voltage (V d.c.):	3.7



## 2 DESCRIPTION OF THE DEVICE UNDER TEST

### 2.1 Final Equipment Build Status

Frequency Band:	2.412GHz~2.462GHz
Number of Channel For 20MHz:	11
Number of Channel For 40MHz:	7
Modulation Type:	802.11b 802.11g 802.11n (HT20/HT40) 802.11ax (HE20/HE40) 802.11be (EHT20/EHT40)
RU Type	Full RU Single RU /Multi-RU(Small RU)/Multi-RU (Large RU)
Power Supply:	Battery/DC supply
Antenna gain:	For Power/PSD: ANT4: -4.3dBi ANT8: -1.7dBi
Directional Gain:	For Power/PSD: -2.81dBi(Uncorrelated)
Software Revision:	A718G
Hardware Revision:	DVT
IMEI:	Conducted: 004401231827870 Radiated: 004401231830239
Antenna type:	Refer to Note
Antenna connector:	Refer to Note

NOTE1: Directional gain =  $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N_{ANT}]$  dBi(Uncorrelated)



**Note: Antenna requirement (FCC Part 15.203)**

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can 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.

- The antenna(s) of the EUT are permanently attached.
- There are no provisions for connection to an external antenna.

Note: The antenna provides to the EUT, please refer to the following table:

Brand	Model	Antenna gain	Frequency band	Antenna type	Connector Type
N/A	N/A	ANT4: -4.3dBi ANT8: -1.7dBi	2.4GHz~2.4835GHz	PIFA	N/A

NOTE1: The antenna gain is provided by the customer and involved in the calculation and influence of the test results. Our laboratory takes the value declared by the customer as the criterion, and the customer is responsible for the antenna gain value. Manufacturers ensure that their designs will not be modified by the user or third party's arbitrary antenna parameters and performance.

NOTE2: Refer to section F of 662911 D01, Categorization as Correlated or Completely Uncorrelated:

- Correlated signals include, but are not limited to, signals transmitted in any of the following modes:*
- *Any transmit beamforming mode, whether fixed or adaptive (e.g., phased array modes, closed loop MIMO modes, Transmitter Adaptive Antenna modes, Maximum Ratio Transmission (MRT) modes, and Statistical Eigen Beamforming (EBF) modes).*
  - *Cyclic Delay Diversity (CDD) modes, also known as Cyclic Shift Diversity (CSD) (including modes for 802.11n and later devices to communicate with legacy 802.11 devices). In CDD modes, the same digital data is carried by each transmit antenna, but with different cyclic delays. The signals are highly correlated at any one frequency, though not necessarily at zero time delay. In particular, correlations tend to be high over the bandwidths specified for in-band PSD measurements in FCC rule parts that require reductions in PSD when directional gain exceeds a threshold.*
- Completely uncorrelated signals include those transmitted in the following modes, if they are not combined with any correlated modes, such as beamforming:*
- *Space Time Block Codes (STBC) or Space Time Codes (STC) for which different digital data is carried by each transmit antenna during any symbol period (e.g., WiMAX Matrix A [Alamouti coding]).*
  - *Spatial Multiplexing MIMO (SM-MIMO), for which independent data streams are sent to each transmit antenna (e.g., WiMAX Matrix B). WiMAX Matrix C, which adds diversity, also produces uncorrelated transmit signals.*

EUT is STBC MODE。 the output signals are Uncorrelated。

transmissions directional gain is calculated as:

a) For power, the directional gain calculation is following.

$$\text{Directional gain} = 10 \log[(10^{G^1} / 10 + 10^{G^2} / 10 + \dots + 10^{G^N} / 10)^2 / N_{\text{ANT}}] \text{ dBi}$$

b) For PSD, the directional gain calculation is following.

$$\text{Directional gain} = 10 \log[(10^{G^1} / 10 + 10^{G^2} / 10 + \dots + 10^{G^N} / 10)^2 / N_{\text{ANT}}] \text{ dBi}$$



## 2.2 Description of Test Modes

11 channels are provided to this EUT:

CHANNEL	FREQ. (MHz)	CHANNEL	FREQ. (MHz)
1	2412	7	2442
2	2417	8	2447
3	2422	9	2452
4	2427	10	2457
5	2432	11	2462
6	2437	---	---

### 2.2.1 Test Mode Applicability and Tested Channel Detail

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE≥1G	RE<1G	PLC	APCM	
-	√	√	√	√	-

Where

RE ≥ 1G: Radiated Emission above 1GHz

RE<1G: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

APCM: Antenna Port Conducted Measurement

#### Radiated Emission Test (Above 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	1,6,11	802.11b	1
1 to 11	1,6,11	802.11g	6
1 to 11	1,6,11	802.11n 20	MCS0
1 to 11	1,6,11	802.11 ax 20	MCS0
1 to 11	1,6,11	802.11 be 20	MCS0
3 to 9	3,6,9	802.11n 40	MCS0
3 to 9	3,6,9	802.11 ax 40	MCS0
3 to 9	3,6,9	802.11 be 40	MCS0

#### Radiated Emission Test (Below 1GHz):

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with



antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	1,6,11	802.11b	1
1 to 11	1,6,11	802.11g	6
1 to 11	1,6,11	802.11n 20	MCS0
1 to 11	1,6,11	802.11 ax 20	MCS0
1 to 11	1,6,11	802.11 be 20	MCS0
3 to 9	3,6,9	802.11n 40	MCS0
3 to 9	3,6,9	802.11 ax 40	MCS0
3 to 9	3,6,9	802.11 be 40	MCS0

**Power Line Conducted Emission Test:**

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	6	802.11b	1

**Antenna Port Conducted Measurement:**

This item includes all test value of each mode, but only includes spectrum plot of worst value of each mode.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

Following channel(s) was (were) selected for the final test as listed below.

AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TYPE	DATA RATE (Mbps)
1 to 11	1,6,11	802.11b	1
1 to 11	1,6,11	802.11g	6
1 to 11	1,6,11	802.11n 20	MCS0
1 to 11	1,6,11	802.11 ax 20	MCS0
1 to 11	1,6,11	802.11 be 20	MCS0
3 to 9	3,6,9	802.11n 40	MCS0
3 to 9	3,6,9	802.11 ax 40	MCS0
3 to 9	3,6,9	802.11 be 40	MCS0



### 2.3 EUT Operating conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

### 2.4 Support Equipment

The following support equipment was used to exercise the DUT during testing:

Equipment:	Li-Ion
Manufacturer:	ATL
Model Number:	UBATIA321AFN2

## 3 REFERENCE SPECIFICATION

Specification	Version	Title
FCC Part15 Subpart C	2023	Intentional radiators
ANSI C63.10	2013	Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
KDB 558074D01 v05r02	April 2, 2019	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

## 4 KEY TO NOTES AND RESULT CODES

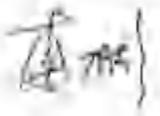
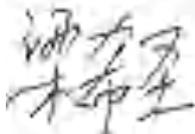
Code	Meaning
PASS	Test result shows that the requirements of the relevant specification have been met.
FAIL	Test result shows that the requirements of the relevant specification have not been met.
N/T	Test case is not tested.



## 5 RESULT SUMMARY

No.	Test case	Reference	Verdict	Test Site
1	Transmitter Output Power	15.247(b)(3)	Pass	1
2	6dB Bandwidth	15.247(a)(2)	Pass	1
3	Transmitter Power Spectral Density	15.247(e)	Pass	1
4	Conducted Out of band emission measurement	15.247(d)	Pass	1
5	Band Edge	15.247(d)	Pass	1
6	Antenna requirement	15.203	Pass(refer to section 2.1)	1

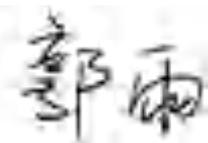
Test Site 1: 15th Building, No.30 Shixing Street, Shijingshan District

This Test Report Is Approved by: Mr. Peng Zhen 	Review by: Mr. Li Bin 
Tested and Issued by: Mr. LiangXisheng 	Approved date:  20240914



No.	Test case	Reference	Verdict	Test Site
7	Spurious Radiated Emissions	15.205/15.209	Pass	2
8	AC Power line Conducted Emission	15.207	Pass	2

Test Site 2: No.80, Zhaojiachang, Beizang, Daxing District

This Test Report Is Approved by: Mr. Liu Wei 	Review by: Mr. Guo Yu 
Tested and Issued by: Mr. Dong Qifeng 	Approved date:  20240914

## **6 TEST RESULT**

### **6.1 Peak Power Output**

#### **6.2.1 Test limit**

Part15.247 (b) (3)

The maximum permissible conducted output power is 1 Watt.

#### **6.2.2 Test Procedure Used**

ANSI C63.10-2013 – Section 11.9.1.3

ANSI C63.10-2013 – Section 11.9.2.3.2

KDB 558074 D01 v05r02 – Section 8.3.1.3

#### **6.2.3 Test Settings**

Peak Power Measurement

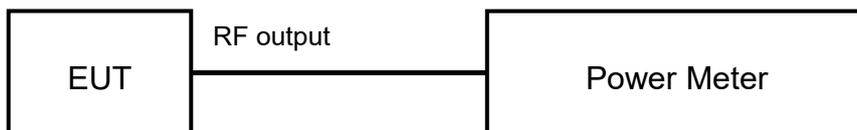
The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter. The trace was averaged over 100 traces to obtain the final measured average power.

#### **6.2.4 Test Setup**

The EUT and measurement equipment were set up as shown in the diagram below.



#### **6.2.5 Test result**

The test results are shown in Appendix A.

## 6.2 6dB Bandwidth

### 6.1.1 Test limit

Part15.247 (a) (2)

The minimum permissible 6dB bandwidth is 500 kHz

### 6.1.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.8.2 Option 2

KDB 558074 D01 v05r02 – Section 8.2

### 6.1.3 Test Settings

1. The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 6dB bandwidth measurement. The "X" dB bandwidth parameter was set to  $X = 6$ . The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

2. RBW = 100 kHz

3. VBW  $\geq 3 \times$  RBW

4. Detector = Peak

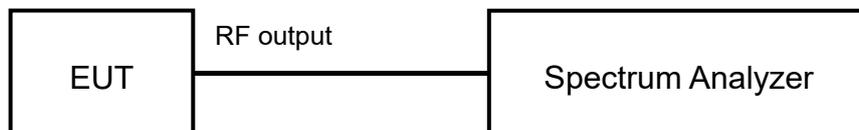
5. Trace mode = max hold

6. Sweep = auto couple

7. The trace was allowed to stabilize

### 6.1.4 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



### 6.1.5 Test result

The test results are shown in Appendix A.

### 6.3 Transmitter Power Spectral Density

#### 6.3.1 Test limit

Part15.247 (e)

The maximum permissible power spectral density is 8.0dBm in any 3 kHz band.

#### 6.3.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.10.2 Method PKPSD

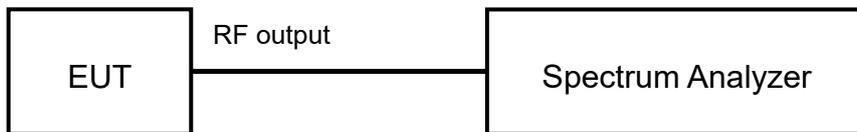
KDB 558074 D01 v05r02 – Section 8.4

#### 6.3.3 Test Settings

1. Analyzer was set to the center frequency of the DTS channel under investigation
2. Span = 1.5 times the DTS channel bandwidth
3. RBW = 30 kHz
4. VBW = 100 kHz
5. Detector = peak
6. Sweep time = auto couple
7. Trace mode = max hold
8. Trace was allowed to stabilize

#### 6.3.4 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



#### 6.3.5 Test result

The test results are shown in Appendix A.

## 6.4 Conducted Out of band emission measurement

### 6.4.1 Test limit

Part 15.247(d): The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth.

### 6.4.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3

KDB 558074 D01 v05r02 – Section 8.5

### 6.4.3 Reference level measurement Settings

Establish a reference level by using the following procedure:

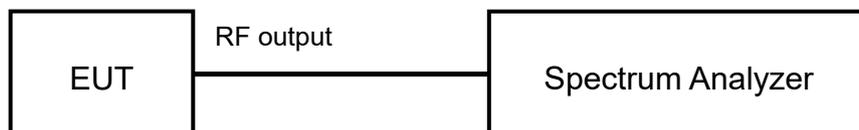
- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to  $\geq 1.5$  MHz
- c) Set the RBW = 100 kHz.
- d) Set the VBW  $\geq 300$  kHz.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

### 6.4.4 Test Settings

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW  $\geq 300$  kHz.
- d) Detector = peak.
- e) Set span to encompass the spectrum to be examined
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level.

### 6.4.5 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



### 6.4.6 Test result

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement. The test results are shown in Appendix A.

## 6.5 Band-edge measurement

### 6.5.1 Test limit

Part 15.247(d): The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth.

### 6.5.2 Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3  
KDB 558074 D01 v05r02 – Section 8.7.2

### 6.5.3 Reference level measurement Settings

Establish a reference level by using the following procedure:

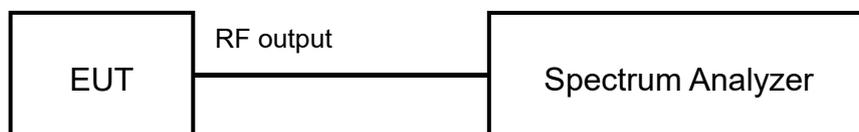
- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to  $\geq 1.5$  MHz
- c) Set the RBW = 100 kHz.
- d) Set the VBW  $\geq 300$  kHz.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum PSD level.

### 6.5.4 Test Settings

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW  $\geq 300$  kHz.
- d) Detector = peak.
- e) Set span to encompass the spectrum to be examined
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level.

### 6.5.5 Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



### 6.5.6 Test result

The spectrum plots are attached on the following pages. D1 line indicates the highest level, and D2 line indicates the 20dB offset below D1. It shows compliance with the requirement. The test results are shown in Appendix A.



## 6.6 Spurious Radiated Emissions

### 6.6.1 Test Description

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at maximum power and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

### 6.6.2 Test limit

Part15.205, 15.209, 15.247(d)

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in below Table per Section 15.209. The spectrum shall be investigated from the lowest radio frequency signal generated in the device

Frequency [MHz]	Field strength [ $\mu\text{V/m}$ ]	Measured 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

**Radiated Limits**

Part15.35(b):

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit

**Used conversion factor: Limit (dB $\mu\text{V/m}$ ) = 20 log (Limit ( $\mu\text{V/m}$ )/1 $\mu\text{V/m}$ )**

Frequency [MHz]	Detector	Unit (dB $\mu\text{V/m}$ )
30~88	Quasi-peak	40.0
88~216	Quasi-peak	43.5
216~960	Quasi-peak	46.0
960~1000	Quasi-peak	54.0
1000~5th harmonic of the highest frequency or 40GHz, whichever is lower	Average	54.0
	Peak	74.0

**Conversion Radiated limits**



### 6.6.3 Test Procedure Used

ANSI C63.10-2013

#### For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Both X and Y axes of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and recorded the reading with Maximum Hold Mode.

NOTE:

- 1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer complied the following setting:

Frequency	RBW
9-150kHz	200-300Hz
0.15-30MHz	9-10kHz

- 2. Signals below 30MHz are not recorded in the report because they are lower than the limits by more than 20dB.

#### For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground in chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and recorded the reading with Maximum Hold Mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detector and recorded the reading with Maximum Hold Mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.



**For the radiated emission test above 1GHz:**

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

**NOTE:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Average detection (AV) at frequency above 1GHz. If duty cycle of test signal is < 98%, the duty factor need added to measured value.
4. All modes of operation were investigated and the worst-case emissions are reported.

**6.6.4 Test Settings**

**Average Field Strength Measurements**

Frequency	Detector
<1000MHz	Quasi-peak
>1000MHz	Peak and average

**Peak Field Strength Measurements**

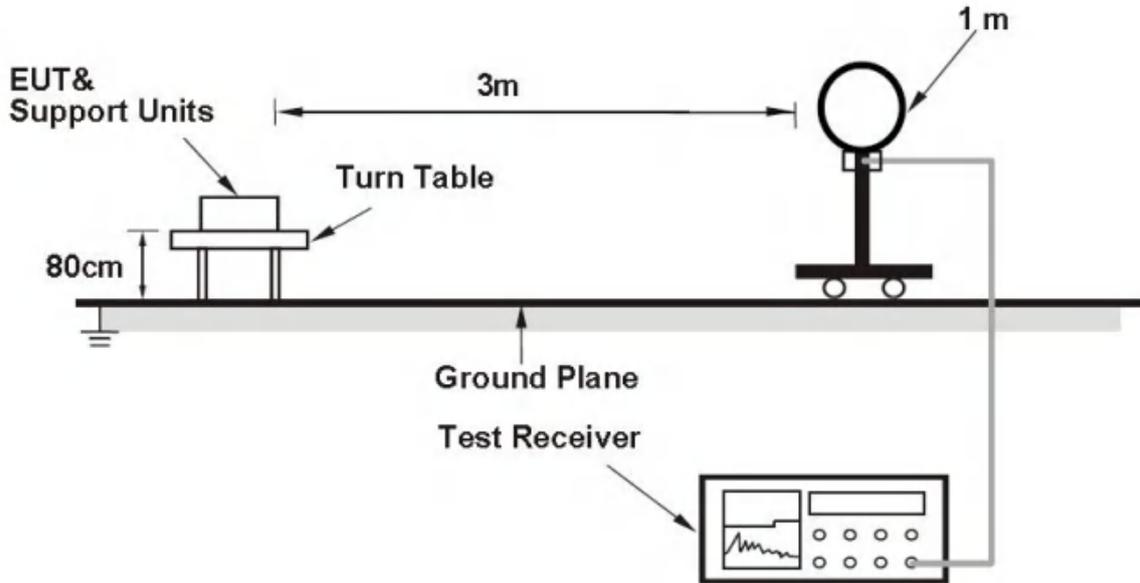
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW is set depending on measurement frequency, as specified in following table

Frequency	RBW
9-150kHz	200-300Hz
0.15-30MHz	9-10kHz
30-1000MHz	100-120kHz
>1000MHz	1MHz

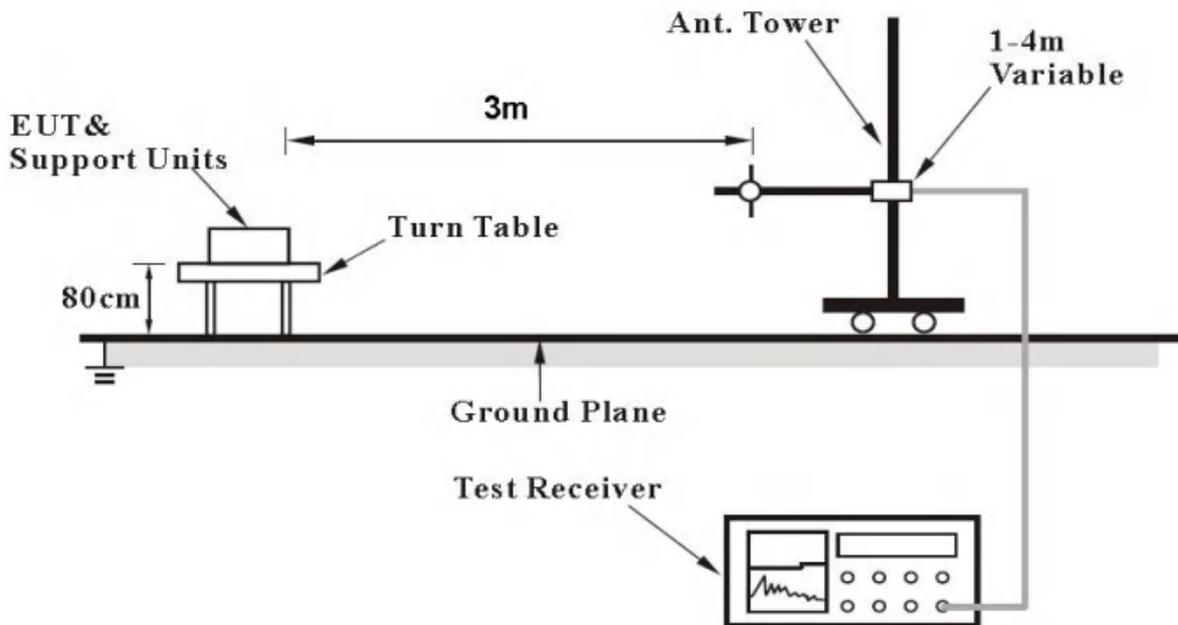
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

### 6.6.5 Test Setup

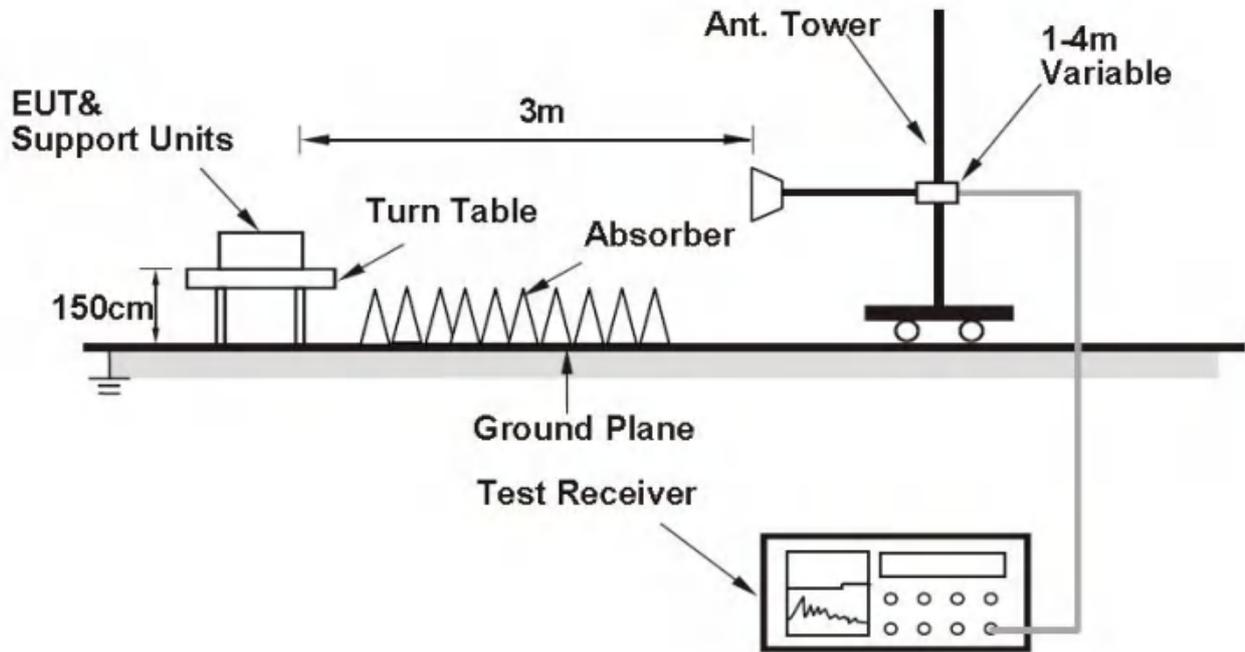
#### For Radiated emission below 30MHz



#### For Radiated emission 30MHz to 1GHz



**For Radiated emission above 1GHz**



**6.6.6 Test result**

The test results are shown in Appendix B.



## 6.7 AC Power line Conducted Emission

### 6.7.1 Test limit

FCC Part15.207

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

\* Decreases with the logarithm of the frequency.

The measurement is made according to ANSI C63.10-2013

### 6.7.2 Test Procedures

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

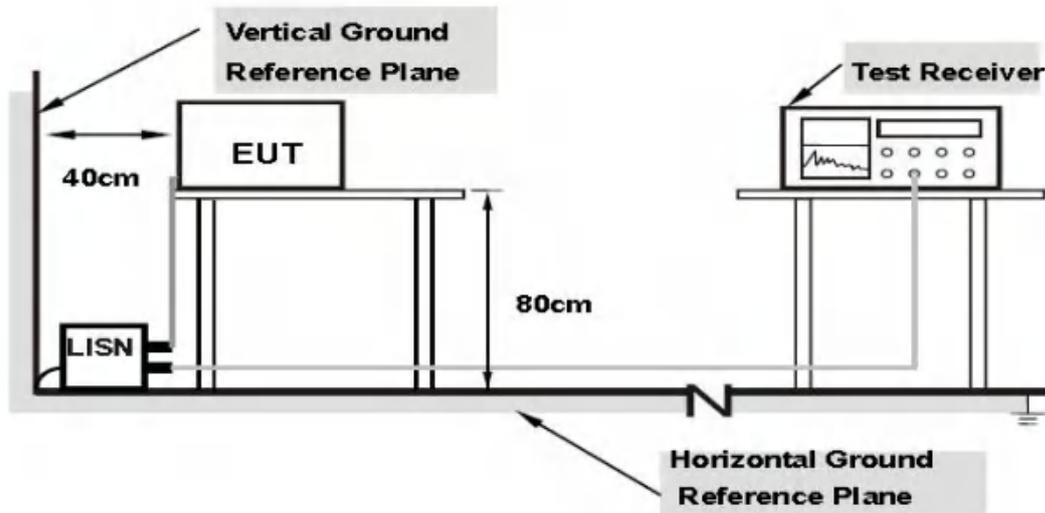
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

**NOTE:** The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

The EUT shall test under the power AC120V/240V/60Hz.

### 6.7.3 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 6.7.4 Test result

The test results are shown in AppendixB.



## **7 MEASUREMENT UNCERTAINTIES**

Items	Uncertainty	
6dB Bandwidth	3kHz	
Peak power output	0.67dB	
Transmitter Power Spectral Density	0.75dB	
Band edge compliance	1.20dB	
Conducted Out of band emission measurement	30MHz~1GHz	2.83dB
	1GHz~12.75GHz	2.50dB
	12.75GHz~25GHz	2.75dB
Spurious Radiated Emissions	30MHz~200MHz	4.88dB
	200MHz~1GHz	4.87dB
	1GHz~18GHz	4.58dB
	18GHz~40GHz	4.35dB
AC Power line Conducted Emission	3.92dB	

Note 1: According to the test specification limit (The test results fully compliance with the test standard limit requirements)

Note 2: According to test specification limits plus uncertainties (The test results exceed the standard limit requirements and meet the standard requirements after adding the system uncertainty)

Note 3: Test operation mode is Note 1



## 8 TEST EQUIPMENTS

No.	Name/ Model	Manufacturer	S/N	Cal date	Cal Due date
1.	Spectrum Analyzer / FSV	ROHDE & SCHWARZ	101065	2024.06.21	2025.06.20
2.	Signal Analyzer / N9020A	Agilent	MY48010771	2024.03.06	2025.03.05
3.	Bluetooth Test Set / MT8852B	Anritsu	1329003	2024.06.21	2025.06.20
4.	Power Divider / 11667A	HP	19632	2024.06.21	2025.06.20
5.	Signal Generator / SMBV100A	R&S	260910	2024.06.21	2025.06.20
6.	Power Meter E4416A	Agilent	MY52370013	2024.03.06	2025.03.05
7.	Power Sensor E9323A	Agilent	MY52150008	2024.03.06	2025.03.05
8.	Temperature chamber / SH241	ESPEC	92013758	2024.06.21	2025.06.20
9.	Fully-Anechoic Chamber / 12.65m×8.03m×7.50m	FRANKONIA	----	----	----
10.	Semi-Anechoic/Chamber / 23.18m×16.88m×9.60m	FRANKONIA	---	----	----
11.	Turn table Diameter:1m	FRANKONIA	----	----	----
12.	Turn table Diameter:5m	FRANKONIA	----	----	----
13.	Antenna master FAC(MA4.0)	MATURO	----	----	----
14.	Antenna master SAC(MA4.0)	MATURO	----	----	----
15.	Shielding room / 9.080m×5.255m×3.525m	FRANKONIA	----	----	----
16.	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100512	2024.06.21	2025.06.20
17.	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100513	2024.06.21	2025.06.20
18.	Ultra log antenna / HL562	R&S	100016	2024.06.21	2025.06.20
19.	Receive antenna /3160-09	SCHWARZ-BECK	002058-002	2024.06.21	2025.06.20
20.	EMI test receiver / ESI 40	R&S	100015	2024.06.21	2025.06.20
21.	EMI test receiver / ESCS30	R&S	100029	2024.06.21	2025.06.20
22.	Receive antenna / HL562	R&S	100167	2024.06.21	2025.06.20
23.	AMN / ENV216	R&S	3560.6550.12	2024.06.21	2025.06.20
24.	WLAN AP WIA3300-20	SKSpruce	8152017060700339	---	---
25.	Notebook E470c	Lenovo	PF10UZW7	---	---
26.	Loop Antenna	R&S	100340	2024.08.21	2025.08.20
27.	FCC auto test system / RT9200BW-2	Radiosky	V2.05	/	/
28.	EMI test software / EMC32	R&S	V10.20.01	/	/



## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Offset 1.2dB = Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

Note: ANT8 = Chain0 (-1.7dBi), ANT4 = Chain1 (-4.3dBi)

### Duty Cycle

Modulation Type	Frequency (MHz)	Antenna	Plot	Duty Cycle	Correction Factor(dB)
802.11b	2412	Chain0	Fig.1	99.81%	0
802.11b	2412	Chain1	Fig.2	99.83%	0
802.11g	2412	Chain0	Fig.3	99.89%	0
802.11g	2412	Chain1	Fig.4	99.90%	0
802.11n HT20	2412	Chain0	Fig.5	99.98%	0
802.11n HT20	2412	Chain1	Fig.6	99.95%	0
802.11ax HE20	2412	Chain0	Fig.7	99.95%	0
802.11ax HE20	2412	Chain1	Fig.8	99.96%	0
802.11n HT40	2422	Chain0	Fig.9	99.97%	0
802.11n HT40	2422	Chain1	Fig.10	99.96%	0
802.11ax HE40	2422	Chain0	Fig.11	99.96%	0
802.11ax HE40	2422	Chain1	Fig.12	99.96%	0
802.11be EHT20	2412	Chain0	Fig.13	99.90%	0
802.11be EHT20	2412	Chain1	Fig.14	99.90%	0
802.11be EHT40	2422	Chain0	Fig.15	99.71%	0
802.11be EHT40	2422	Chain1	Fig.16	99.79%	0

Note: Correction Factor=10\*log (1/Duty Cycle)



Fig.1

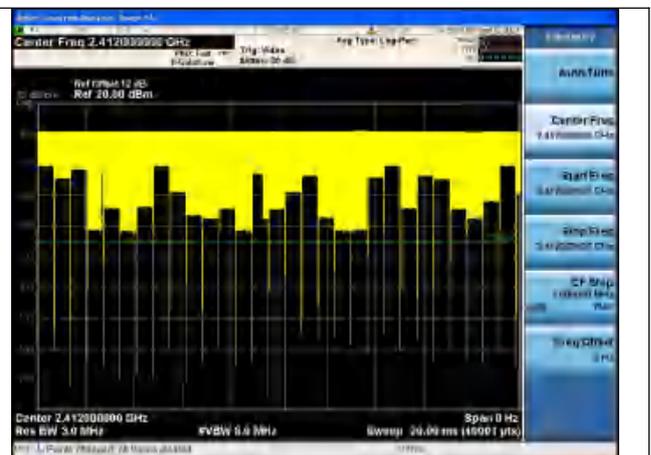


Fig.2

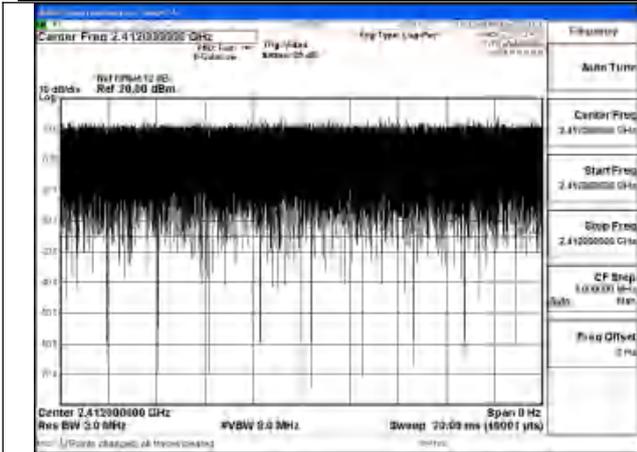


Fig.3

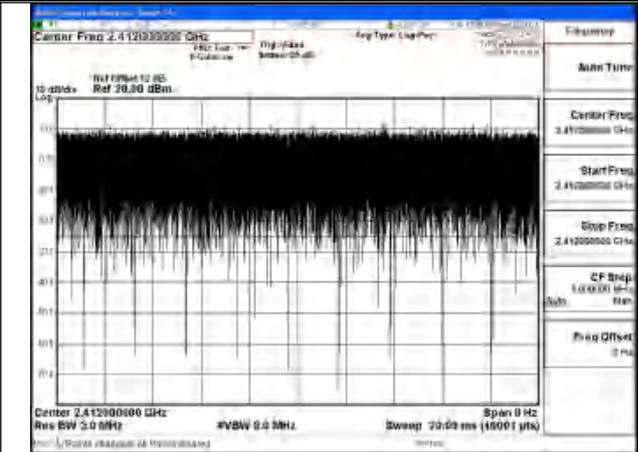


Fig.4

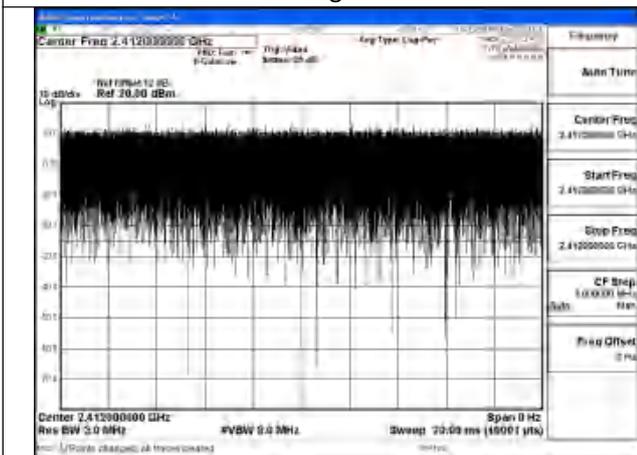


Fig.5

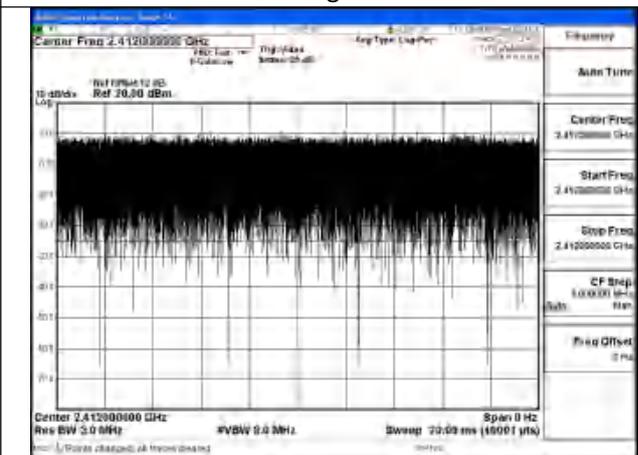


Fig.6

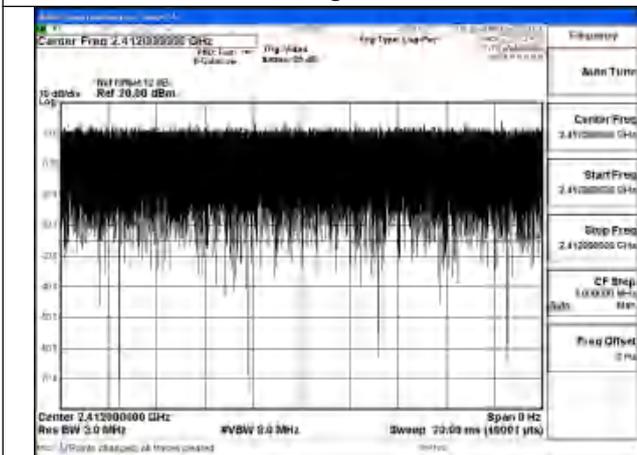


Fig.7

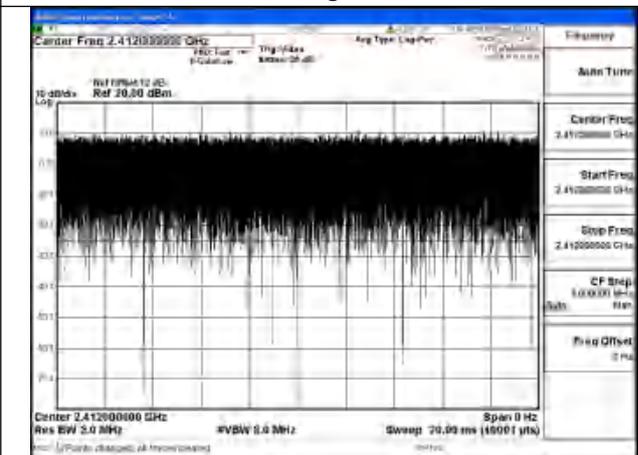


Fig.8

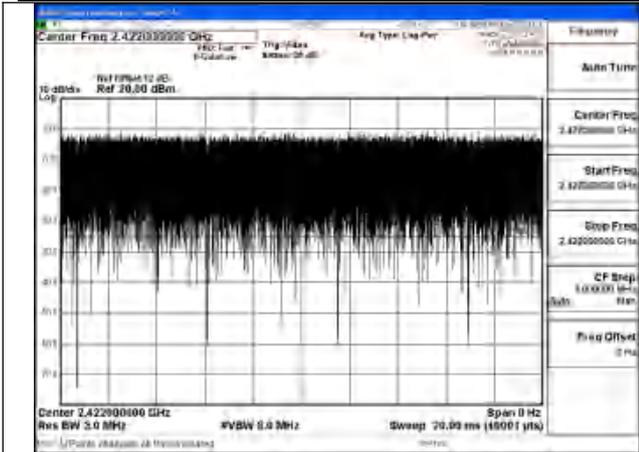


Fig.9

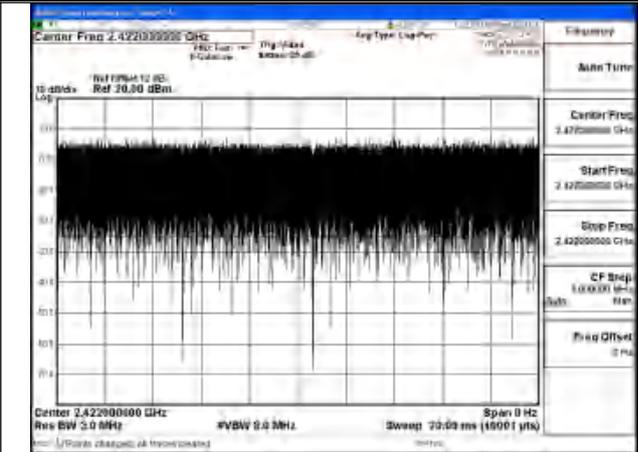


Fig.10

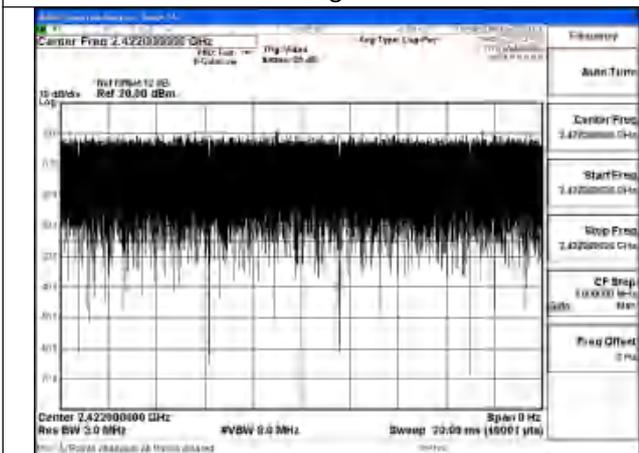


Fig.11

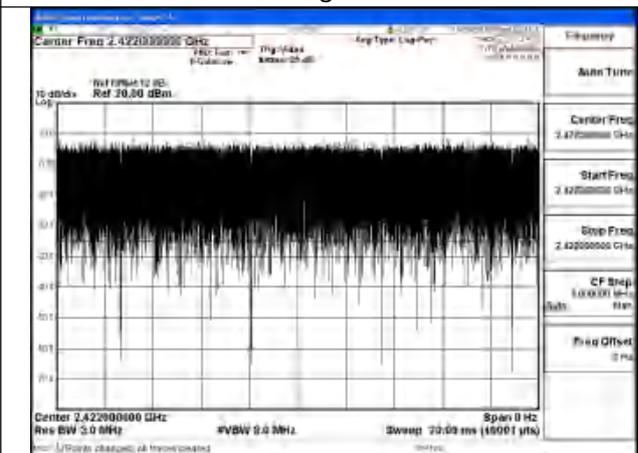


Fig.12

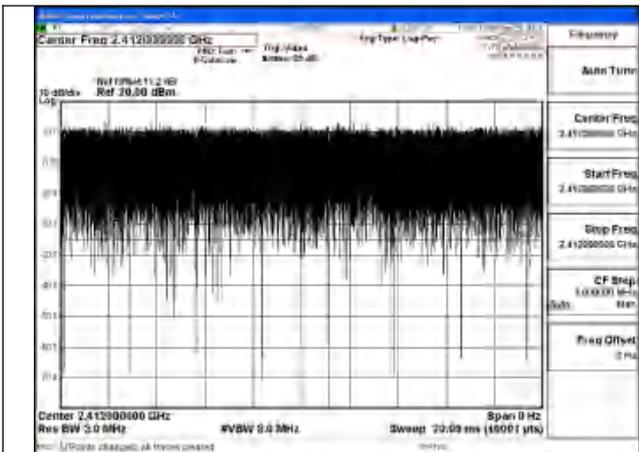


Fig.13

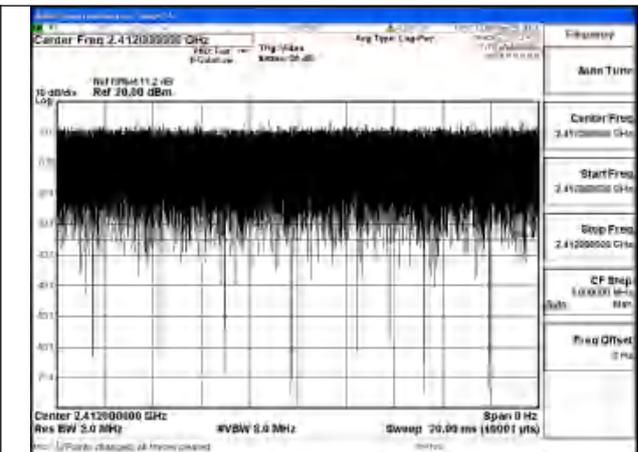


Fig.14

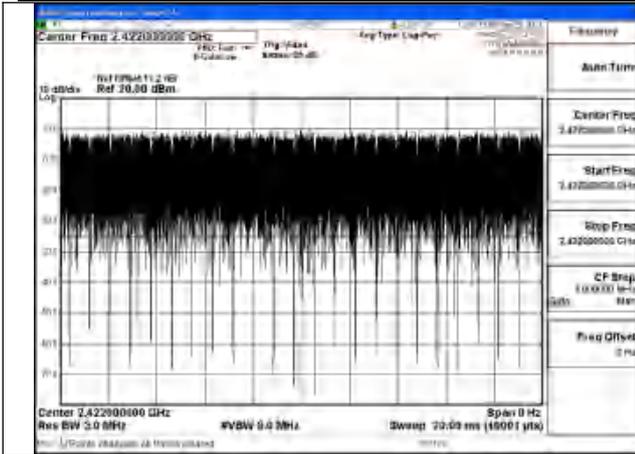


Fig.15

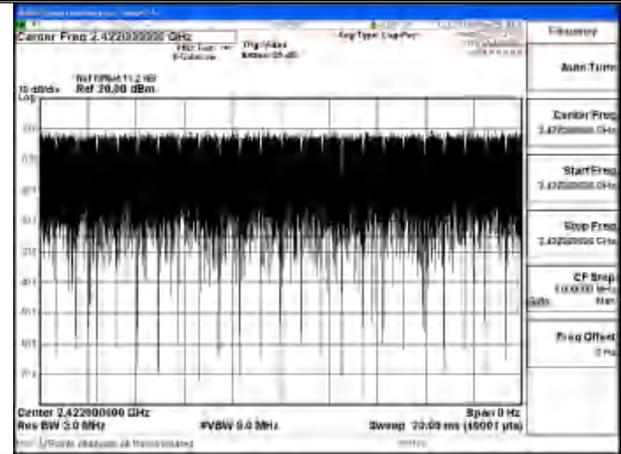


Fig.16

### Conducted power

Note: ANT8 = Chain0 (-1.7dBi), ANT4 = Chain1 (-4.3dBi)

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)	EIRP (dBm)
802.11b	NA	2412	Chain0	11.31	10.33	8.63
802.11b	NA	2412	Chain1	11.92	8.80	4.50
802.11b	NA	2437	Chain0	14.07	11.06	9.36
802.11b	NA	2437	Chain1	11.54	8.50	4.20
802.11b	NA	2462	Chain0	14.15	11.02	9.32
802.11b	NA	2462	Chain1	11.72	8.55	4.25
802.11g	NA	2412	Chain0	18.23	10.98	9.28
802.11g	NA	2412	Chain1	15.73	8.52	4.22
802.11g	NA	2437	Chain0	17.94	10.65	8.95
802.11g	NA	2437	Chain1	15.46	8.18	3.88
802.11g	NA	2462	Chain0	18.08	10.82	9.12
802.11g	NA	2462	Chain1	15.59	8.31	4.01
802.11n HT20	NA	2412	Chain0	18.13	10.90	9.20
802.11n HT20	NA	2412	Chain1	15.64	8.46	4.16
802.11n HT20	NA	2412	MIMO	20.07	12.86	10.05
802.11n HT20	NA	2437	Chain0	17.86	10.67	8.97
802.11n HT20	NA	2437	Chain1	15.32	8.11	3.81
802.11n HT20	NA	2437	MIMO	19.78	12.59	9.78
802.11n HT20	NA	2462	Chain0	18.09	10.82	9.12
802.11n HT20	NA	2462	Chain1	15.48	8.19	3.89
802.11n HT20	NA	2462	MIMO	19.99	12.71	9.90
802.11n HT40	NA	2422	Chain0	18.43	11.10	9.40
802.11n HT40	NA	2422	Chain1	16.03	8.75	4.45
802.11n HT40	NA	2422	MIMO	20.40	13.09	10.28
802.11n HT40	NA	2437	Chain0	18.07	10.78	9.08
802.11n HT40	NA	2437	Chain1	15.49	8.19	3.89
802.11n HT40	NA	2437	MIMO	19.98	12.69	9.88



802.11n HT40	NA	2452	Chain0	18.19	10.88	9.18
802.11n HT40	NA	2452	Chain1	15.64	8.31	4.01
802.11n HT40	NA	2452	MIMO	20.11	12.79	9.98

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)	EIRP (dBm)
802.11ax HE20	26T+0	2412	Chain0	10.66	2.21	0.51
802.11ax HE20	26T+0	2412	Chain1	10.51	2.10	-2.20
802.11ax HE20	26T+0	2412	MIMO	13.60	5.17	2.36
802.11ax HE20	26T+0	2437	Chain0	11.39	2.65	0.95
802.11ax HE20	26T+0	2437	Chain1	11.19	2.57	-1.73
802.11ax HE20	26T+0	2437	MIMO	14.30	5.62	2.81
802.11ax HE20	26T+0	2462	Chain0	11.25	2.98	1.28
802.11ax HE20	26T+0	2462	Chain1	11.11	2.57	-1.73
802.11ax HE20	26T+0	2462	MIMO	14.19	5.79	2.98
802.11ax HE20	26T+4	2412	Chain0	10.68	1.89	0.19
802.11ax HE20	26T+4	2412	Chain1	10.59	2.07	-2.23
802.11ax HE20	26T+4	2412	MIMO	13.65	4.99	2.18
802.11ax HE20	26T+4	2437	Chain0	11.17	2.52	0.82
802.11ax HE20	26T+4	2437	Chain1	11.01	2.60	-1.70
802.11ax HE20	26T+4	2437	MIMO	14.10	5.57	2.76
802.11ax HE20	26T+4	2462	Chain0	11.28	2.80	1.10
802.11ax HE20	26T+4	2462	Chain1	11.14	2.77	-1.53
802.11ax HE20	26T+4	2462	MIMO	14.22	5.80	2.99
802.11ax HE20	26T+8	2412	Chain0	10.45	2.08	0.38
802.11ax HE20	26T+8	2412	Chain1	10.33	1.99	-2.31
802.11ax HE20	26T+8	2412	MIMO	13.40	5.05	2.24
802.11ax HE20	26T+8	2437	Chain0	11.19	2.71	1.01
802.11ax HE20	26T+8	2437	Chain1	11.30	2.65	-1.65
802.11ax HE20	26T+8	2437	MIMO	14.26	5.69	2.88
802.11ax HE20	26T+8	2462	Chain0	11.22	2.82	1.12
802.11ax HE20	26T+8	2462	Chain1	11.13	2.67	-1.63
802.11ax HE20	26T+8	2462	MIMO	14.19	5.76	2.95
802.11ax HE20	52T+37	2412	Chain0	13.71	5.01	3.31
802.11ax HE20	52T+37	2412	Chain1	13.44	5.03	0.73
802.11ax HE20	52T+37	2412	MIMO	16.59	8.03	5.22
802.11ax HE20	52T+37	2437	Chain0	12.78	4.17	2.47
802.11ax HE20	52T+37	2437	Chain1	12.88	4.19	-0.11
802.11ax HE20	52T+37	2437	MIMO	15.84	7.19	4.38
802.11ax HE20	52T+37	2462	Chain0	13.24	5.08	3.38
802.11ax HE20	52T+37	2462	Chain1	13.36	5.09	0.79
802.11ax HE20	52T+37	2462	MIMO	16.31	8.10	5.29
802.11ax HE20	52T+39	2412	Chain0	13.46	5.05	3.35
802.11ax HE20	52T+39	2412	Chain1	13.44	5.09	0.79
802.11ax HE20	52T+39	2412	MIMO	16.46	8.08	5.27



802.11ax HE20	52T+39	2437	Chain0	12.67	4.43	2.73
802.11ax HE20	52T+39	2437	Chain1	12.67	4.33	0.03
802.11ax HE20	52T+39	2437	MIMO	15.68	7.39	4.58
802.11ax HE20	52T+39	2462	Chain0	13.27	5.25	3.55
802.11ax HE20	52T+39	2462	Chain1	13.38	5.10	0.80
802.11ax HE20	52T+39	2462	MIMO	16.34	8.19	5.38
802.11ax HE20	52T+40	2412	Chain0	13.55	5.02	3.32
802.11ax HE20	52T+40	2412	Chain1	14.65	6.17	1.87
802.11ax HE20	52T+40	2412	MIMO	17.15	8.64	5.83
802.11ax HE20	52T+40	2437	Chain0	12.76	4.30	2.60
802.11ax HE20	52T+40	2437	Chain1	12.53	4.29	-0.01
802.11ax HE20	52T+40	2437	MIMO	15.66	7.31	4.50
802.11ax HE20	52T+40	2462	Chain0	13.47	4.84	3.14
802.11ax HE20	52T+40	2462	Chain1	13.40	5.07	0.77
802.11ax HE20	52T+40	2462	MIMO	16.45	7.97	5.16
802.11ax HE20	106T+53	2412	Chain0	16.38	7.94	6.24
802.11ax HE20	106T+53	2412	Chain1	15.35	7.11	2.81
802.11ax HE20	106T+53	2412	MIMO	18.91	10.56	7.75
802.11ax HE20	106T+53	2437	Chain0	14.95	6.56	4.86
802.11ax HE20	106T+53	2437	Chain1	14.45	6.35	2.05
802.11ax HE20	106T+53	2437	MIMO	17.72	9.47	6.66
802.11ax HE20	106T+53	2462	Chain0	16.14	7.77	6.07
802.11ax HE20	106T+53	2462	Chain1	16.04	7.72	3.42
802.11ax HE20	106T+53	2462	MIMO	19.10	10.76	7.95
802.11ax HE20	106T+54	2412	Chain0	15.29	6.85	5.15
802.11ax HE20	106T+54	2412	Chain1	15.50	6.98	2.68
802.11ax HE20	106T+54	2412	MIMO	18.41	9.93	7.12
802.11ax HE20	106T+54	2437	Chain0	14.79	6.46	4.76
802.11ax HE20	106T+54	2437	Chain1	14.93	6.38	2.08
802.11ax HE20	106T+54	2437	MIMO	17.87	9.43	6.62
802.11ax HE20	106T+54	2462	Chain0	16.13	7.83	6.13
802.11ax HE20	106T+54	2462	Chain1	16.02	7.66	3.36
802.11ax HE20	106T+54	2462	MIMO	19.09	10.76	7.95
802.11ax HE20	242T+61	2412	Chain0	19.01	11.20	9.50
802.11ax HE20	242T+61	2412	Chain1	16.42	8.67	4.37
802.11ax HE20	242T+61	2412	MIMO	20.92	13.13	10.32
802.11ax HE20	242T+61	2437	Chain0	18.85	11.02	9.32
802.11ax HE20	242T+61	2437	Chain1	16.34	8.48	4.18
802.11ax HE20	242T+61	2437	MIMO	20.78	12.94	10.13
802.11ax HE20	242T+61	2462	Chain0	18.83	11.04	9.34
802.11ax HE20	242T+61	2462	Chain1	16.22	8.41	4.11
802.11ax HE20	242T+61	2462	MIMO	20.73	12.93	10.12
802.11ax HE40	26T+0	2422	Chain0	10.14	1.99	0.29
802.11ax HE40	26T+0	2422	Chain1	10.03	1.98	-2.32
802.11ax HE40	26T+0	2422	MIMO	13.10	5.00	2.19



802.11ax HE40	26T+0	2437	Chain0	10.24	1.99	0.29
802.11ax HE40	26T+0	2437	Chain1	10.37	2.03	-2.27
802.11ax HE40	26T+0	2437	MIMO	13.32	5.02	2.21
802.11ax HE40	26T+0	2452	Chain0	10.59	1.93	0.23
802.11ax HE40	26T+0	2452	Chain1	10.82	2.23	-2.07
802.11ax HE40	26T+0	2452	MIMO	13.72	5.09	2.28
802.11ax HE40	26T+10	2422	Chain0	10.18	1.72	0.02
802.11ax HE40	26T+10	2422	Chain1	10.58	1.77	-2.53
802.11ax HE40	26T+10	2422	MIMO	13.39	4.76	1.95
802.11ax HE40	26T+10	2437	Chain0	10.46	1.95	0.25
802.11ax HE40	26T+10	2437	Chain1	9.96	2.06	-2.24
802.11ax HE40	26T+10	2437	MIMO	13.23	5.02	2.21
802.11ax HE40	26T+10	2452	Chain0	10.08	2.00	0.30
802.11ax HE40	26T+10	2452	Chain1	10.45	2.09	-2.21
802.11ax HE40	26T+10	2452	MIMO	13.28	5.06	2.25
802.11ax HE40	26T+17	2422	Chain0	10.38	2.06	0.36
802.11ax HE40	26T+17	2422	Chain1	10.20	2.06	-2.24
802.11ax HE40	26T+17	2422	MIMO	13.30	5.07	2.26
802.11ax HE40	26T+17	2437	Chain0	10.56	1.66	-0.04
802.11ax HE40	26T+17	2437	Chain1	10.28	2.12	-2.18
802.11ax HE40	26T+17	2437	MIMO	13.43	4.91	2.10
802.11ax HE40	26T+17	2452	Chain0	10.57	2.13	0.43
802.11ax HE40	26T+17	2452	Chain1	10.46	2.05	-2.25
802.11ax HE40	26T+17	2452	MIMO	13.53	5.10	2.29
802.11ax HE40	52T+37	2422	Chain0	13.55	5.60	3.90
802.11ax HE40	52T+37	2422	Chain1	14.13	5.53	1.23
802.11ax HE40	52T+37	2422	MIMO	16.86	8.58	5.77
802.11ax HE40	52T+37	2437	Chain0	13.73	5.20	3.50
802.11ax HE40	52T+37	2437	Chain1	14.19	5.29	0.99
802.11ax HE40	52T+37	2437	MIMO	16.98	8.26	5.45
802.11ax HE40	52T+37	2452	Chain0	13.68	5.04	3.34
802.11ax HE40	52T+37	2452	Chain1	13.69	4.90	0.60
802.11ax HE40	52T+37	2452	MIMO	16.70	7.98	5.17
802.11ax HE40	52T+41	2422	Chain0	13.66	5.56	3.86
802.11ax HE40	52T+41	2422	Chain1	13.66	5.61	1.31
802.11ax HE40	52T+41	2422	MIMO	16.67	8.60	5.79
802.11ax HE40	52T+41	2437	Chain0	13.91	5.04	3.34
802.11ax HE40	52T+41	2437	Chain1	13.64	5.09	0.79
802.11ax HE40	52T+41	2437	MIMO	16.79	8.08	5.27
802.11ax HE40	52T+41	2452	Chain0	13.89	5.09	3.39
802.11ax HE40	52T+41	2452	Chain1	13.54	5.08	0.78
802.11ax HE40	52T+41	2452	MIMO	16.73	8.10	5.29
802.11ax HE40	52T+44	2422	Chain0	14.14	5.65	3.95
802.11ax HE40	52T+44	2422	Chain1	13.75	5.46	1.16
802.11ax HE40	52T+44	2422	MIMO	16.96	8.57	5.76



802.11ax HE40	52T+44	2437	Chain0	13.64	5.11	3.41
802.11ax HE40	52T+44	2437	Chain1	13.96	5.21	0.91
802.11ax HE40	52T+44	2437	MIMO	16.81	8.17	5.36
802.11ax HE40	52T+44	2452	Chain0	13.93	5.10	3.40
802.11ax HE40	52T+44	2452	Chain1	13.58	5.04	0.74
802.11ax HE40	52T+44	2452	MIMO	16.77	8.08	5.27
802.11ax HE40	106T+53	2422	Chain0	14.98	6.60	4.90
802.11ax HE40	106T+53	2422	Chain1	15.04	6.59	2.29
802.11ax HE40	106T+53	2422	MIMO	18.02	9.61	6.80
802.11ax HE40	106T+53	2437	Chain0	15.13	6.43	4.73
802.11ax HE40	106T+53	2437	Chain1	14.78	6.36	2.06
802.11ax HE40	106T+53	2437	MIMO	17.97	9.41	6.60
802.11ax HE40	106T+53	2452	Chain0	15.81	7.39	5.69
802.11ax HE40	106T+53	2452	Chain1	15.75	7.46	3.16
802.11ax HE40	106T+53	2452	MIMO	18.79	10.44	7.63
802.11ax HE40	106T+55	2422	Chain0	15.06	6.52	4.82
802.11ax HE40	106T+55	2422	Chain1	15.01	6.64	2.34
802.11ax HE40	106T+55	2422	MIMO	18.05	9.59	6.78
802.11ax HE40	106T+55	2437	Chain0	15.16	6.35	4.65
802.11ax HE40	106T+55	2437	Chain1	14.71	6.38	2.08
802.11ax HE40	106T+55	2437	MIMO	17.95	9.38	6.57
802.11ax HE40	106T+55	2452	Chain0	15.94	7.29	5.59
802.11ax HE40	106T+55	2452	Chain1	15.52	7.44	3.14
802.11ax HE40	106T+55	2452	MIMO	18.75	10.38	7.57
802.11ax HE40	106T+56	2422	Chain0	14.95	6.48	4.78
802.11ax HE40	106T+56	2422	Chain1	15.03	6.64	2.34
802.11ax HE40	106T+56	2422	MIMO	18.00	9.57	6.76
802.11ax HE40	106T+56	2437	Chain0	14.91	6.50	4.80
802.11ax HE40	106T+56	2437	Chain1	15.04	6.54	2.24
802.11ax HE40	106T+56	2437	MIMO	17.99	9.53	6.72
802.11ax HE40	106T+56	2452	Chain0	15.68	7.42	5.72
802.11ax HE40	106T+56	2452	Chain1	15.49	7.37	3.07
802.11ax HE40	106T+56	2452	MIMO	18.60	10.41	7.60
802.11ax HE40	242T+61	2422	Chain0	14.32	6.26	4.56
802.11ax HE40	242T+61	2422	Chain1	14.40	6.29	1.99
802.11ax HE40	242T+61	2422	MIMO	17.37	9.29	6.48
802.11ax HE40	242T+61	2437	Chain0	14.73	6.56	4.86
802.11ax HE40	242T+61	2437	Chain1	14.78	6.60	2.30
802.11ax HE40	242T+61	2437	MIMO	17.77	9.59	6.78
802.11ax HE40	242T+61	2452	Chain0	14.44	6.52	4.82
802.11ax HE40	242T+61	2452	Chain1	14.59	6.44	2.14
802.11ax HE40	242T+61	2452	MIMO	17.53	9.49	6.68
802.11ax HE40	242T+62	2422	Chain0	14.34	6.10	4.40
802.11ax HE40	242T+62	2422	Chain1	14.33	6.29	1.99
802.11ax HE40	242T+62	2422	MIMO	17.35	9.21	6.40



802.11ax HE40	242T+62	2437	Chain0	14.66	6.50	4.80
802.11ax HE40	242T+62	2437	Chain1	14.63	6.56	2.26
802.11ax HE40	242T+62	2437	MIMO	17.66	9.54	6.73
802.11ax HE40	242T+62	2452	Chain0	14.56	6.44	4.74
802.11ax HE40	242T+62	2452	Chain1	14.65	6.44	2.14
802.11ax HE40	242T+62	2452	MIMO	17.62	9.45	6.64
802.11ax HE40	484T+65	2422	Chain0	19.06	11.15	9.45
802.11ax HE40	484T+65	2422	Chain1	16.84	8.93	4.63
802.11ax HE40	484T+65	2422	MIMO	21.10	13.19	10.38
802.11ax HE40	484T+65	2437	Chain0	18.60	10.79	9.09
802.11ax HE40	484T+65	2437	Chain1	16.12	8.26	3.96
802.11ax HE40	484T+65	2437	MIMO	20.54	12.72	9.91
802.11ax HE40	484T+65	2452	Chain0	18.65	10.83	9.13
802.11ax HE40	484T+65	2452	Chain1	16.30	8.37	4.07
802.11ax HE40	484T+65	2452	MIMO	20.64	12.78	9.97

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)	EIRP (dBm)
802.11be EHT20	26T+0	2412	Chain0	11.46	2.90	1.20
802.11be EHT20	26T+0	2412	Chain1	10.21	1.72	-2.58
802.11be EHT20	26T+0	2412	MIMO	13.89	5.36	2.55
802.11be EHT20	26T+0	2437	Chain0	10.76	2.27	0.57
802.11be EHT20	26T+0	2437	Chain1	10.79	2.42	-1.88
802.11be EHT20	26T+0	2437	MIMO	13.79	5.36	2.55
802.11be EHT20	26T+0	2462	Chain0	10.82	2.44	0.74
802.11be EHT20	26T+0	2462	Chain1	10.74	2.55	-1.75
802.11be EHT20	26T+0	2462	MIMO	13.79	5.51	2.70
802.11be EHT20	26T+4	2412	Chain0	10.25	1.82	0.12
802.11be EHT20	26T+4	2412	Chain1	10.18	1.75	-2.55
802.11be EHT20	26T+4	2412	MIMO	13.23	4.80	1.99
802.11be EHT20	26T+4	2437	Chain0	10.63	2.15	0.45
802.11be EHT20	26T+4	2437	Chain1	10.75	2.20	-2.10
802.11be EHT20	26T+4	2437	MIMO	13.70	5.19	2.38
802.11be EHT20	26T+4	2462	Chain0	10.72	2.40	0.70
802.11be EHT20	26T+4	2462	Chain1	10.78	2.47	-1.83
802.11be EHT20	26T+4	2462	MIMO	13.76	5.45	2.64
802.11be EHT20	26T+8	2412	Chain0	10.39	1.65	-0.05
802.11be EHT20	26T+8	2412	Chain1	9.99	1.75	-2.55
802.11be EHT20	26T+8	2412	MIMO	13.20	4.71	1.90
802.11be EHT20	26T+8	2437	Chain0	10.78	2.33	0.63
802.11be EHT20	26T+8	2437	Chain1	10.72	2.09	-2.21
802.11be EHT20	26T+8	2437	MIMO	13.76	5.22	2.41
802.11be EHT20	26T+8	2462	Chain0	10.62	2.27	0.57
802.11be EHT20	26T+8	2462	Chain1	10.62	2.38	-1.92
802.11be EHT20	26T+8	2462	MIMO	13.63	5.34	2.53



802.11be EHT20	52T+37	2412	Chain0	13.63	5.03	3.33
802.11be EHT20	52T+37	2412	Chain1	13.71	4.98	0.68
802.11be EHT20	52T+37	2412	MIMO	16.68	8.02	5.21
802.11be EHT20	52T+37	2437	Chain0	14.26	5.52	3.82
802.11be EHT20	52T+37	2437	Chain1	14.31	5.62	1.32
802.11be EHT20	52T+37	2437	MIMO	17.30	8.58	5.77
802.11be EHT20	52T+37	2462	Chain0	13.98	5.68	3.98
802.11be EHT20	52T+37	2462	Chain1	14.25	5.68	1.38
802.11be EHT20	52T+37	2462	MIMO	17.13	8.69	5.88
802.11be EHT20	52T+39	2412	Chain0	13.99	5.02	3.32
802.11be EHT20	52T+39	2412	Chain1	13.72	5.14	0.84
802.11be EHT20	52T+39	2412	MIMO	16.87	8.09	5.28
802.11be EHT20	52T+39	2437	Chain0	14.22	5.50	3.80
802.11be EHT20	52T+39	2437	Chain1	14.32	5.59	1.29
802.11be EHT20	52T+39	2437	MIMO	17.28	8.56	5.75
802.11be EHT20	52T+39	2462	Chain0	14.49	5.65	3.95
802.11be EHT20	52T+39	2462	Chain1	14.22	5.71	1.41
802.11be EHT20	52T+39	2462	MIMO	17.37	8.69	5.88
802.11be EHT20	52T+40	2412	Chain0	13.78	5.15	3.45
802.11be EHT20	52T+40	2412	Chain1	13.87	5.02	0.72
802.11be EHT20	52T+40	2412	MIMO	16.84	8.10	5.29
802.11be EHT20	52T+40	2437	Chain0	14.25	5.75	4.05
802.11be EHT20	52T+40	2437	Chain1	14.00	5.65	1.35
802.11be EHT20	52T+40	2437	MIMO	17.14	8.71	5.90
802.11be EHT20	52T+40	2462	Chain0	14.31	5.71	4.01
802.11be EHT20	52T+40	2462	Chain1	14.33	5.69	1.39
802.11be EHT20	52T+40	2462	MIMO	17.33	8.71	5.90
802.11be EHT20	106T+53	2412	Chain0	15.96	7.46	5.76
802.11be EHT20	106T+53	2412	Chain1	15.68	7.55	3.25
802.11be EHT20	106T+53	2412	MIMO	18.83	10.52	7.71
802.11be EHT20	106T+53	2437	Chain0	15.83	7.38	5.68
802.11be EHT20	106T+53	2437	Chain1	15.99	7.46	3.16
802.11be EHT20	106T+53	2437	MIMO	18.92	10.43	7.62
802.11be EHT20	106T+53	2462	Chain0	16.11	7.55	5.85
802.11be EHT20	106T+53	2462	Chain1	16.09	7.64	3.34
802.11be EHT20	106T+53	2462	MIMO	19.11	10.61	7.80
802.11be EHT20	106T+54	2412	Chain0	15.90	7.42	5.72
802.11be EHT20	106T+54	2412	Chain1	15.97	7.30	3.00
802.11be EHT20	106T+54	2412	MIMO	18.95	10.37	7.56
802.11be EHT20	106T+54	2437	Chain0	15.79	7.48	5.78
802.11be EHT20	106T+54	2437	Chain1	15.98	7.56	3.26
802.11be EHT20	106T+54	2437	MIMO	18.90	10.53	7.72
802.11be EHT20	106T+54	2462	Chain0	16.14	7.69	5.99
802.11be EHT20	106T+54	2462	Chain1	16.08	7.71	3.41
802.11be EHT20	106T+54	2462	MIMO	19.12	10.71	7.90



802.11be EHT20	242T+61	2412	Chain0	18.59	10.75	9.05
802.11be EHT20	242T+61	2412	Chain1	18.60	10.80	6.50
802.11be EHT20	242T+61	2412	MIMO	21.61	13.79	10.98
802.11be EHT20	242T+61	2437	Chain0	18.37	10.61	8.91
802.11be EHT20	242T+61	2437	Chain1	18.36	10.60	6.30
802.11be EHT20	242T+61	2437	MIMO	21.38	13.62	10.81
802.11be EHT20	242T+61	2462	Chain0	18.47	10.68	8.98
802.11be EHT20	242T+61	2462	Chain1	18.43	10.68	6.38
802.11be EHT20	242T+61	2462	MIMO	21.46	13.69	10.88
802.11be EHT20	26+52	2412	Chain0	13.92	5.41	3.71
802.11be EHT20	26+52	2412	Chain1	14.10	5.45	1.15
802.11be EHT20	26+52	2412	MIMO	17.02	8.44	5.63
802.11be EHT20	26+52	2437	Chain0	14.01	5.54	3.84
802.11be EHT20	26+52	2437	Chain1	14.06	5.38	1.08
802.11be EHT20	26+52	2437	MIMO	17.05	8.47	5.66
802.11be EHT20	26+52	2462	Chain0	14.29	5.74	4.04
802.11be EHT20	26+52	2462	Chain1	14.29	5.70	1.40
802.11be EHT20	26+52	2462	MIMO	17.30	8.73	5.92
802.11be EHT20	26+106	2412	Chain0	16.02	7.49	5.79
802.11be EHT20	26+106	2412	Chain1	15.67	7.44	3.14
802.11be EHT20	26+106	2412	MIMO	18.86	10.48	7.67
802.11be EHT20	26+106	2437	Chain0	15.58	7.20	5.50
802.11be EHT20	26+106	2437	Chain1	15.68	7.37	3.07
802.11be EHT20	26+106	2437	MIMO	18.64	10.30	7.49
802.11be EHT20	26+106	2462	Chain0	15.87	7.74	6.04
802.11be EHT20	26+106	2462	Chain1	16.31	7.64	3.34
802.11be EHT20	26+106	2462	MIMO	19.11	10.70	7.89
802.11be EHT40	26T+0	2422	Chain0	10.31	2.06	0.36
802.11be EHT40	26T+0	2422	Chain1	10.41	1.68	-2.62
802.11be EHT40	26T+0	2422	MIMO	13.37	4.88	2.07
802.11be EHT40	26T+0	2437	Chain0	10.83	2.49	0.79
802.11be EHT40	26T+0	2437	Chain1	10.85	2.39	-1.91
802.11be EHT40	26T+0	2437	MIMO	13.85	5.45	2.64
802.11be EHT40	26T+0	2452	Chain0	10.74	1.83	0.13
802.11be EHT40	26T+0	2452	Chain1	10.46	1.88	-2.42
802.11be EHT40	26T+0	2452	MIMO	13.61	4.87	2.06
802.11be EHT40	26T+10	2422	Chain0	10.46	1.81	0.11
802.11be EHT40	26T+10	2422	Chain1	10.46	1.78	-2.52
802.11be EHT40	26T+10	2422	MIMO	13.47	4.81	2.00
802.11be EHT40	26T+10	2437	Chain0	10.90	2.25	0.55
802.11be EHT40	26T+10	2437	Chain1	11.04	2.83	-1.47
802.11be EHT40	26T+10	2437	MIMO	13.98	5.56	2.75
802.11be EHT40	26T+10	2452	Chain0	10.46	2.07	0.37
802.11be EHT40	26T+10	2452	Chain1	10.66	2.01	-2.29
802.11be EHT40	26T+10	2452	MIMO	13.57	5.05	2.24



802.11be EHT40	26T+17	2422	Chain0	9.80	1.80	0.10
802.11be EHT40	26T+17	2422	Chain1	10.29	1.62	-2.68
802.11be EHT40	26T+17	2422	MIMO	13.06	4.72	1.91
802.11be EHT40	26T+17	2437	Chain0	10.78	2.43	0.73
802.11be EHT40	26T+17	2437	Chain1	10.88	2.50	-1.80
802.11be EHT40	26T+17	2437	MIMO	13.84	5.48	2.67
802.11be EHT40	26T+17	2452	Chain0	10.43	2.07	0.37
802.11be EHT40	26T+17	2452	Chain1	10.19	2.04	-2.26
802.11be EHT40	26T+17	2452	MIMO	13.32	5.07	2.26
802.11be EHT40	52T+37	2422	Chain0	13.62	5.04	3.34
802.11be EHT40	52T+37	2422	Chain1	13.56	4.89	0.59
802.11be EHT40	52T+37	2422	MIMO	16.60	7.98	5.17
802.11be EHT40	52T+37	2437	Chain0	13.83	5.50	3.80
802.11be EHT40	52T+37	2437	Chain1	14.17	5.40	1.10
802.11be EHT40	52T+37	2437	MIMO	17.01	8.46	5.65
802.11be EHT40	52T+37	2452	Chain0	13.98	5.02	3.32
802.11be EHT40	52T+37	2452	Chain1	13.95	5.13	0.83
802.11be EHT40	52T+37	2452	MIMO	16.98	8.09	5.28
802.11be EHT40	52T+41	2422	Chain0	13.85	5.12	3.42
802.11be EHT40	52T+41	2422	Chain1	13.70	4.97	0.67
802.11be EHT40	52T+41	2422	MIMO	16.79	8.06	5.25
802.11be EHT40	52T+41	2437	Chain0	14.11	5.65	3.95
802.11be EHT40	52T+41	2437	Chain1	14.20	5.61	1.31
802.11be EHT40	52T+41	2437	MIMO	17.17	8.64	5.83
802.11be EHT40	52T+41	2452	Chain0	13.60	5.24	3.54
802.11be EHT40	52T+41	2452	Chain1	13.76	5.21	0.91
802.11be EHT40	52T+41	2452	MIMO	16.69	8.24	5.43
802.11be EHT40	52T+44	2422	Chain0	13.40	4.99	3.29
802.11be EHT40	52T+44	2422	Chain1	13.80	5.18	0.88
802.11be EHT40	52T+44	2422	MIMO	16.61	8.10	5.29
802.11be EHT40	52T+44	2437	Chain0	14.07	5.54	3.84
802.11be EHT40	52T+44	2437	Chain1	14.41	5.73	1.43
802.11be EHT40	52T+44	2437	MIMO	17.25	8.65	5.84
802.11be EHT40	52T+44	2452	Chain0	13.90	5.13	3.43
802.11be EHT40	52T+44	2452	Chain1	13.70	5.15	0.85
802.11be EHT40	52T+44	2452	MIMO	16.81	8.15	5.34
802.11be EHT40	106T+53	2422	Chain0	15.87	7.65	5.95
802.11be EHT40	106T+53	2422	Chain1	15.93	7.53	3.23
802.11be EHT40	106T+53	2422	MIMO	18.91	10.60	7.79
802.11be EHT40	106T+53	2437	Chain0	15.82	7.43	5.73
802.11be EHT40	106T+53	2437	Chain1	16.12	7.12	2.82
802.11be EHT40	106T+53	2437	MIMO	18.98	10.29	7.48
802.11be EHT40	106T+53	2452	Chain0	15.80	7.30	5.60
802.11be EHT40	106T+53	2452	Chain1	15.60	7.34	3.04
802.11be EHT40	106T+53	2452	MIMO	18.71	10.33	7.52



802.11be EHT40	106T+55	2422	Chain0	15.58	7.39	5.69
802.11be EHT40	106T+55	2422	Chain1	15.93	7.54	3.24
802.11be EHT40	106T+55	2422	MIMO	18.77	10.48	7.67
802.11be EHT40	106T+55	2437	Chain0	15.80	7.35	5.65
802.11be EHT40	106T+55	2437	Chain1	16.12	7.59	3.29
802.11be EHT40	106T+55	2437	MIMO	18.97	10.48	7.67
802.11be EHT40	106T+55	2452	Chain0	15.87	7.28	5.58
802.11be EHT40	106T+55	2452	Chain1	15.74	7.09	2.79
802.11be EHT40	106T+55	2452	MIMO	18.82	10.20	7.39
802.11be EHT40	106T+56	2422	Chain0	16.10	7.52	5.82
802.11be EHT40	106T+56	2422	Chain1	16.09	7.47	3.17
802.11be EHT40	106T+56	2422	MIMO	19.11	10.51	7.70
802.11be EHT40	106T+56	2437	Chain0	16.03	7.45	5.75
802.11be EHT40	106T+56	2437	Chain1	15.78	7.39	3.09
802.11be EHT40	106T+56	2437	MIMO	18.92	10.43	7.62
802.11be EHT40	106T+56	2452	Chain0	15.63	7.24	5.54
802.11be EHT40	106T+56	2452	Chain1	15.67	7.14	2.84
802.11be EHT40	106T+56	2452	MIMO	18.66	10.20	7.39
802.11be EHT40	242T+61	2422	Chain0	15.54	7.47	5.77
802.11be EHT40	242T+61	2422	Chain1	15.36	7.30	3.00
802.11be EHT40	242T+61	2422	MIMO	18.46	10.40	7.59
802.11be EHT40	242T+61	2437	Chain0	15.20	6.97	5.27
802.11be EHT40	242T+61	2437	Chain1	15.29	6.92	2.62
802.11be EHT40	242T+61	2437	MIMO	18.26	9.96	7.15
802.11be EHT40	242T+61	2452	Chain0	15.22	7.02	5.32
802.11be EHT40	242T+61	2452	Chain1	15.20	7.03	2.73
802.11be EHT40	242T+61	2452	MIMO	18.22	10.04	7.23
802.11be EHT40	242T+62	2422	Chain0	15.42	7.36	5.66
802.11be EHT40	242T+62	2422	Chain1	15.46	7.34	3.04
802.11be EHT40	242T+62	2422	MIMO	18.45	10.36	7.55
802.11be EHT40	242T+62	2437	Chain0	15.13	7.10	5.40
802.11be EHT40	242T+62	2437	Chain1	15.22	6.97	2.67
802.11be EHT40	242T+62	2437	MIMO	18.19	10.05	7.24
802.11be EHT40	242T+62	2452	Chain0	15.23	6.96	5.26
802.11be EHT40	242T+62	2452	Chain1	15.16	6.97	2.67
802.11be EHT40	242T+62	2452	MIMO	18.21	9.98	7.17
802.11be EHT40	484T+65	2422	Chain0	18.63	10.68	8.98
802.11be EHT40	484T+65	2422	Chain1	18.64	10.68	6.38
802.11be EHT40	484T+65	2422	MIMO	21.65	13.69	10.88
802.11be EHT40	484T+65	2437	Chain0	18.33	10.44	8.74
802.11be EHT40	484T+65	2437	Chain1	18.25	10.42	6.12
802.11be EHT40	484T+65	2437	MIMO	21.30	13.44	10.63
802.11be EHT40	484T+65	2452	Chain0	18.27	10.37	8.67
802.11be EHT40	484T+65	2452	Chain1	18.26	10.40	6.10
802.11be EHT40	484T+65	2452	MIMO	21.28	13.40	10.59



802.11be EHT40	26+52	2422	Chain0	13.81	5.49	3.79
802.11be EHT40	26+52	2422	Chain1	14.17	5.40	1.10
802.11be EHT40	26+52	2422	MIMO	17.00	8.46	5.65
802.11be EHT40	26+52	2437	Chain0	14.05	5.56	3.86
802.11be EHT40	26+52	2437	Chain1	14.08	5.26	0.96
802.11be EHT40	26+52	2437	MIMO	17.08	8.42	5.61
802.11be EHT40	26+52	2452	Chain0	13.81	5.17	3.47
802.11be EHT40	26+52	2452	Chain1	14.00	5.17	0.87
802.11be EHT40	26+52	2452	MIMO	16.92	8.18	5.37
802.11be EHT40	26+106	2422	Chain0	15.79	7.63	5.93
802.11be EHT40	26+106	2422	Chain1	16.12	7.67	3.37
802.11be EHT40	26+106	2422	MIMO	18.97	10.66	7.85
802.11be EHT40	26+106	2437	Chain0	15.74	7.37	5.67
802.11be EHT40	26+106	2437	Chain1	15.84	7.59	3.29
802.11be EHT40	26+106	2437	MIMO	18.80	10.49	7.68
802.11be EHT40	26+106	2452	Chain0	15.64	7.35	5.65
802.11be EHT40	26+106	2452	Chain1	15.54	7.30	3.00
802.11be EHT40	26+106	2452	MIMO	18.60	10.34	7.53



### 6dB Bandwidth

Test Mode	Antenna	6 dB bandwidth (MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	7.86	7.50	6.68
802.11b	Chain1	7.60	7.74	7.03
802.11g	Chain0	16.56	16.33	16.39
802.11g	Chain1	16.54	16.44	16.37
802.11n HT20	Chain0	17.72	17.81	17.73
802.11n HT20	Chain1	17.81	17.78	17.73
802.11ax HE20	Chain0	19.11	19.13	18.97
802.11ax HE20	Chain1	19.07	19.08	19.17

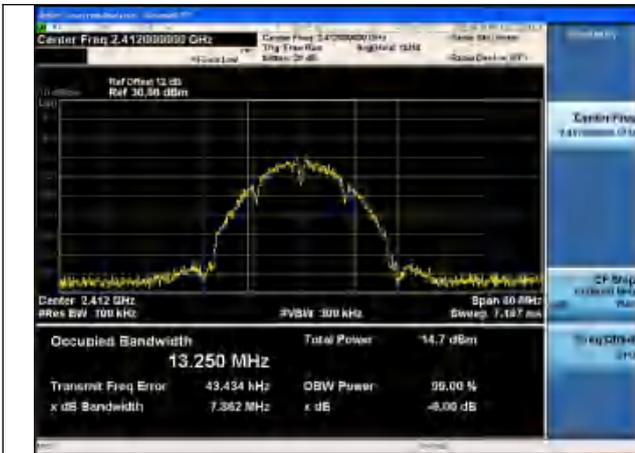
Test Mode	Antenna	6 dB bandwidth (MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	36.50	36.59	36.51
802.11n HT40	Chain1	36.53	36.53	36.46
802.11ax HE40	Chain0	38.25	37.97	37.89
802.11ax HE40	Chain1	38.12	38.28	37.98

Test Mode	Antenna	6 dB bandwidth(MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11be EHT20	Chain0	19.20	19.08	19.08
802.11be EHT20	Chain1	19.07	19.09	19.10

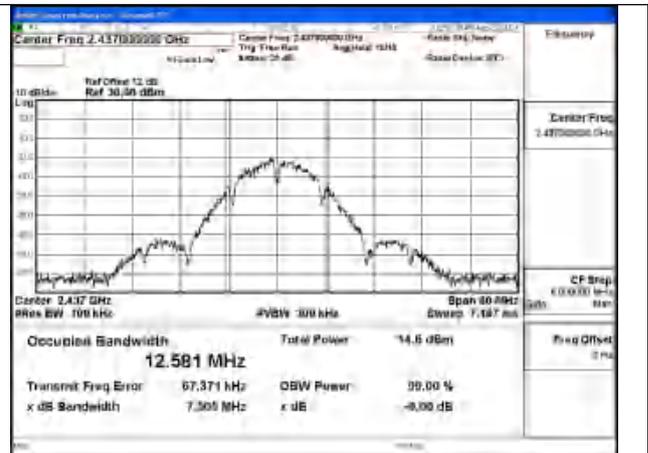
Test Mode	Antenna	6 dB bandwidth(MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11be EHT240	Chain0	37.99	38.15	37.91
802.11be EHT40	Chain1	37.89	38.17	37.89



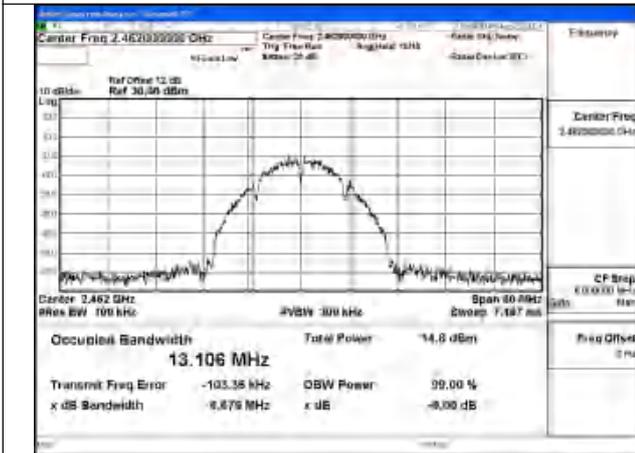
Test Mode: 802.11b



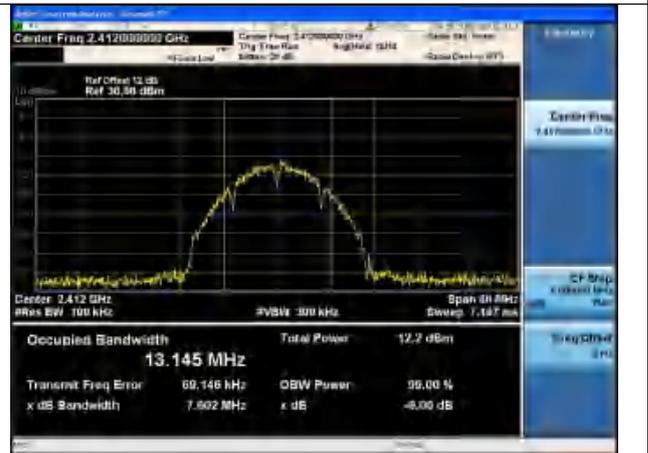
Mode:802.11b Frequency:2412MHz Ant:Chain0



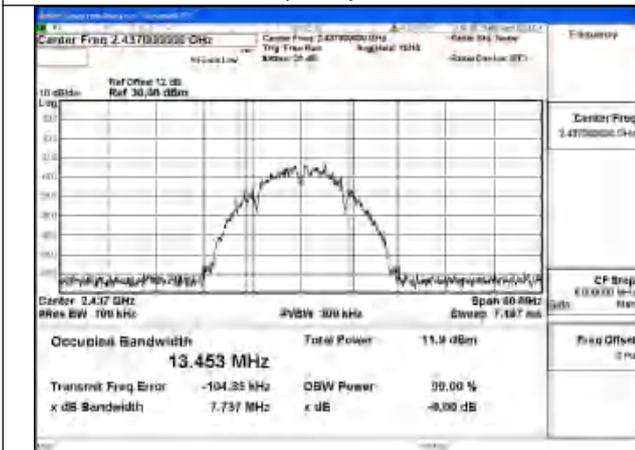
Mode:802.11b Frequency:2437MHz Ant:Chain0



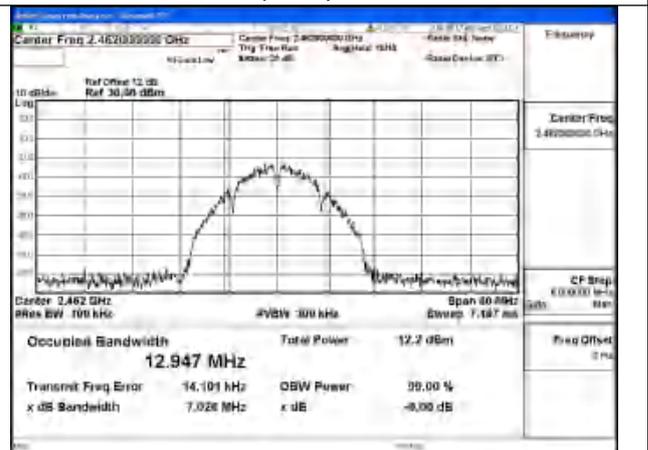
Mode:802.11b Frequency:2462MHz Ant:Chain0



Mode:802.11b Frequency:2412MHz Ant:Chain1

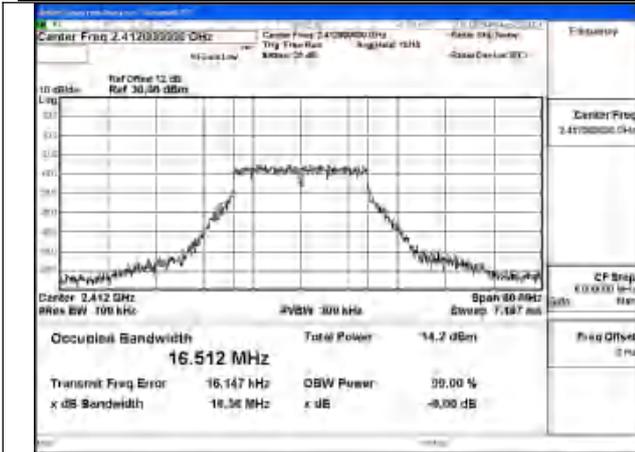


Mode:802.11b Frequency:2437MHz Ant:Chain1

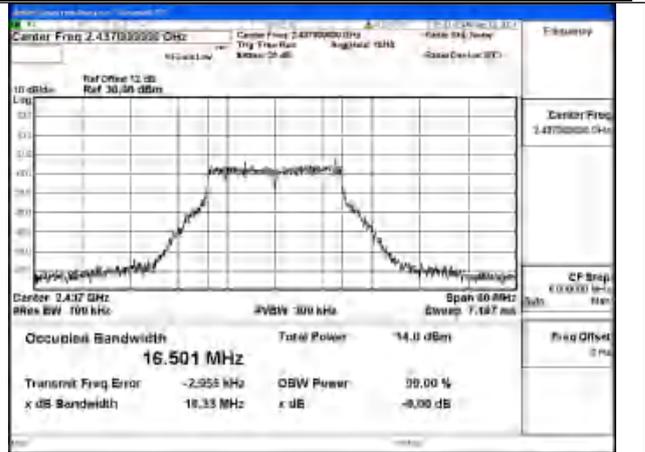


Mode:802.11b Frequency:2462MHz Ant:Chain1

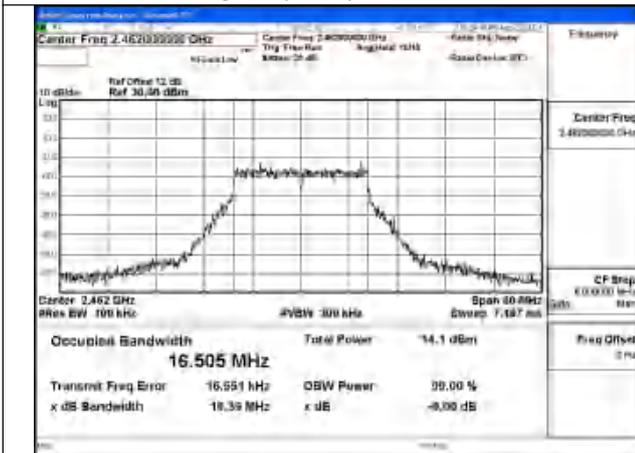
Test Mode: 802.11g



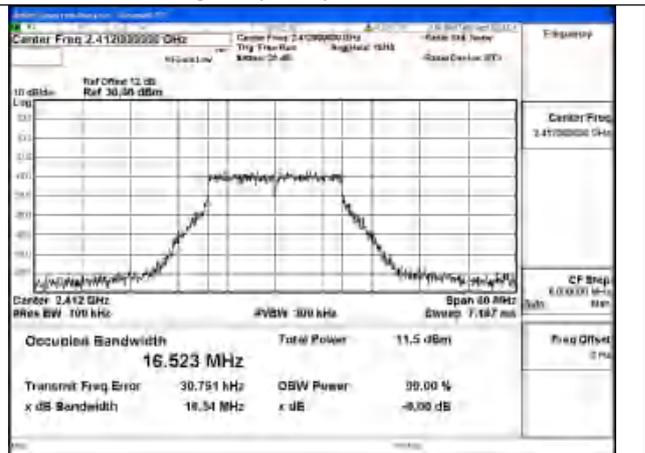
Mode:802.11g Frequency:2412MHz Ant:Chain0



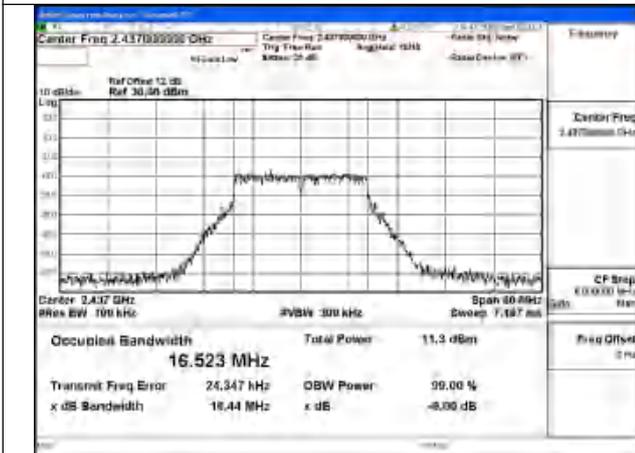
Mode:802.11g Frequency:2437MHz Ant:Chain0



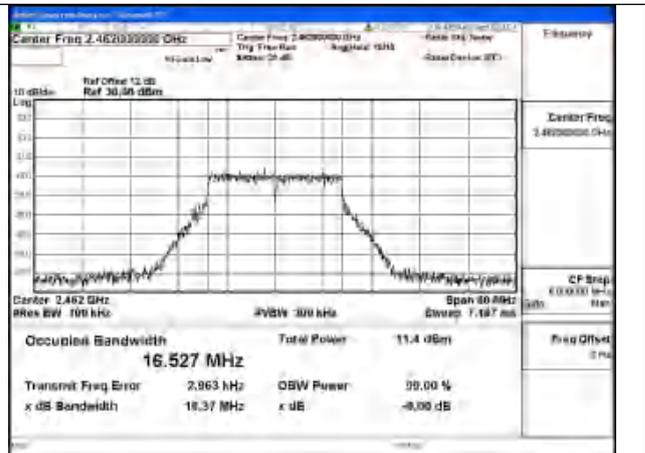
Mode:802.11g Frequency:2462MHz Ant:Chain0



Mode:802.11g Frequency:2412MHz Ant:Chain1

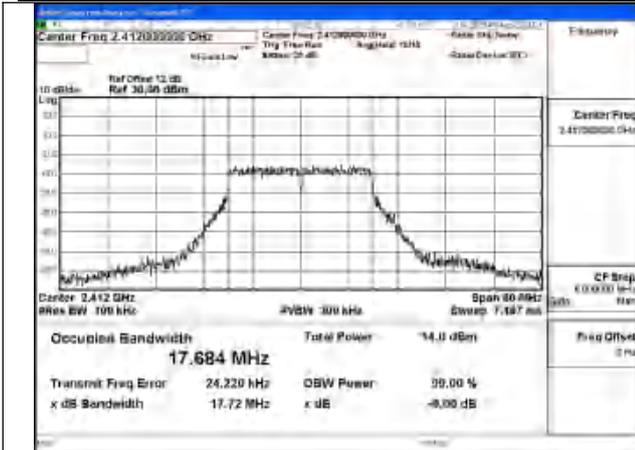


Mode:802.11g Frequency:2437MHz Ant:Chain1

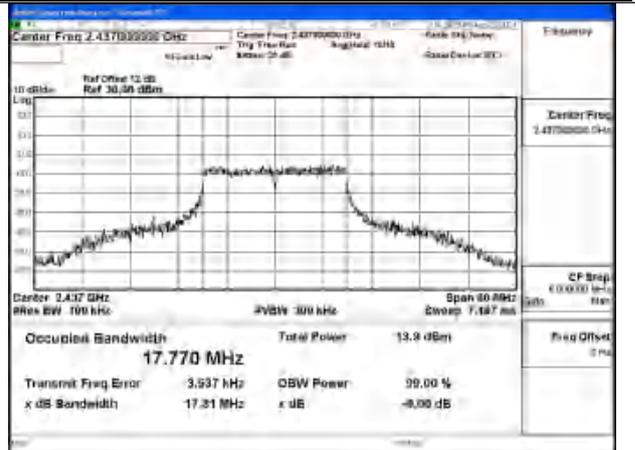


Mode:802.11g Frequency:2462MHz Ant:Chain1

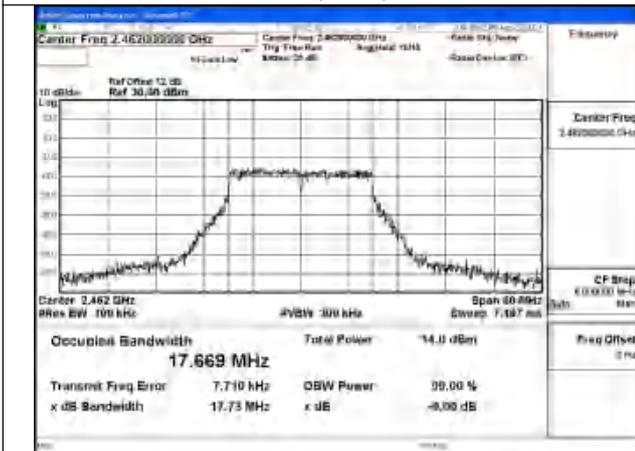
Test Mode: 802.11n HT20



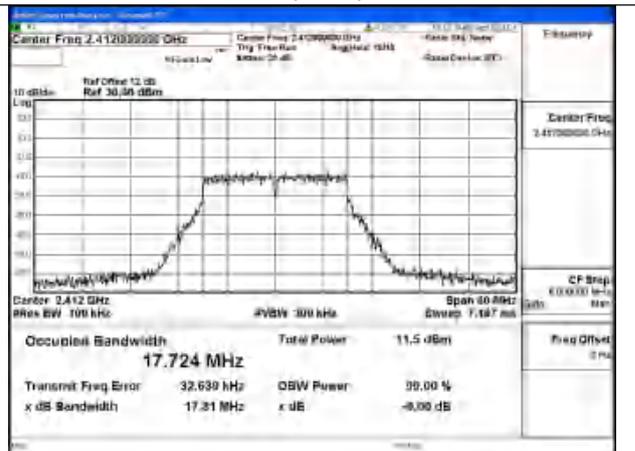
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0



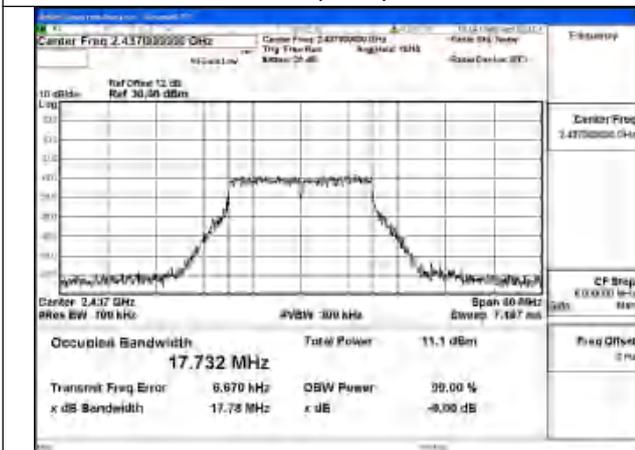
Mode:802.11n HT20 Frequency:2437MHz Ant:Chain0



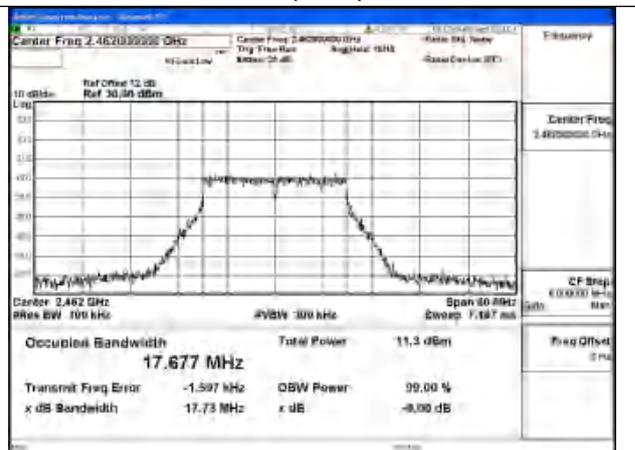
Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1

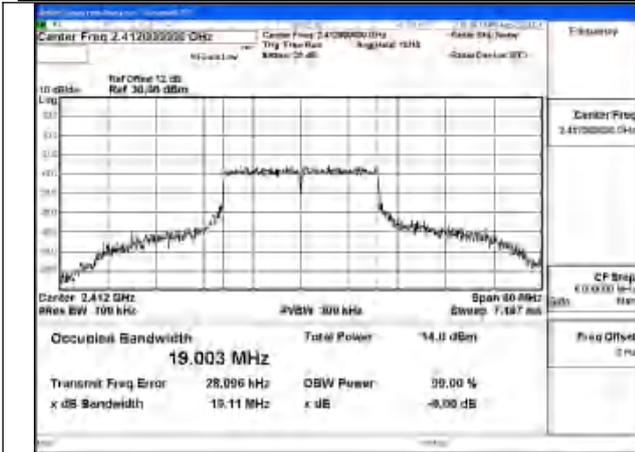


Mode:802.11n HT20 Frequency:2437MHz Ant:Chain1

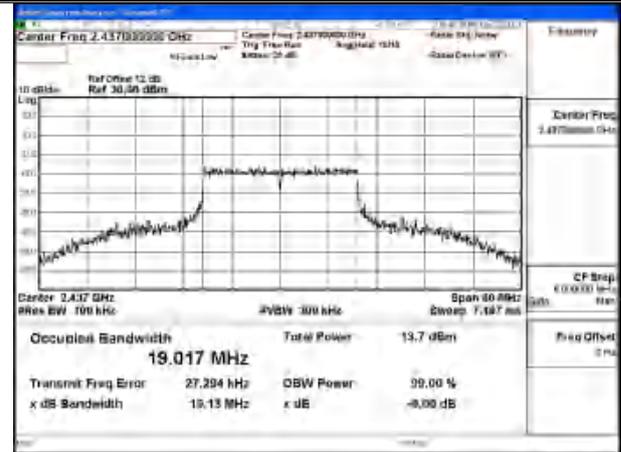


Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

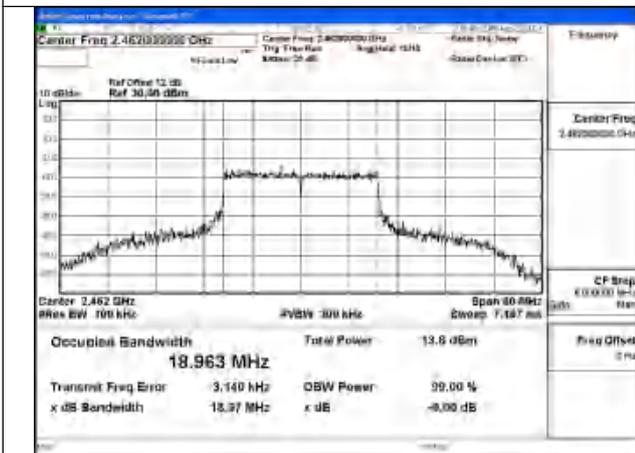
Test Mode: 802.11ax HE20



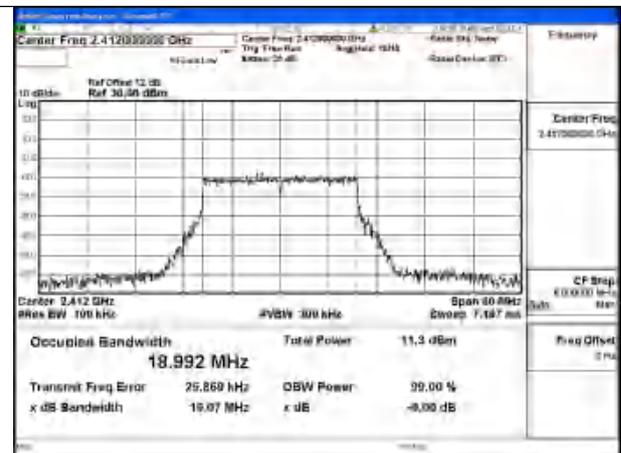
Mode:802.11ax HE20 Tone:242T Frequency:2412MHz  
Ant:Chain0



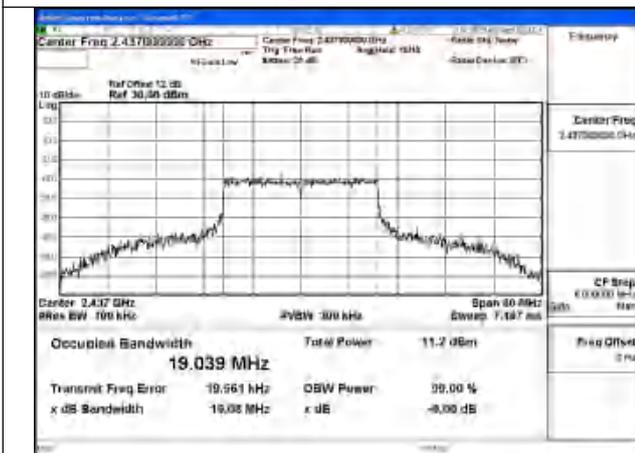
Mode:802.11ax HE20 Tone:242T Frequency:2437MHz  
Ant:Chain0



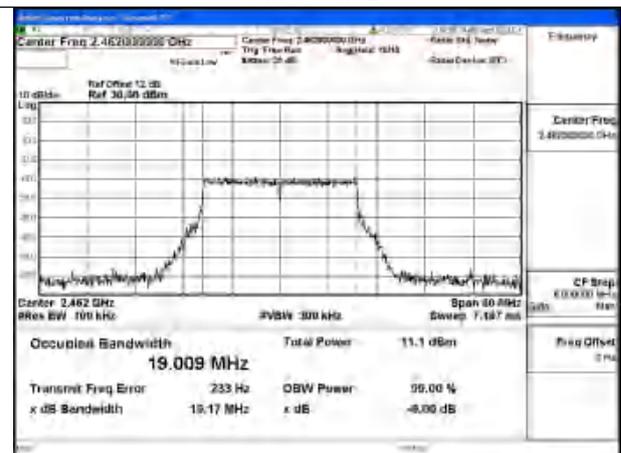
Mode:802.11ax HE20 Tone:242T Frequency:2462MHz  
Ant:Chain0



Mode:802.11ax HE20 Tone:242T Frequency:2412MHz  
Ant:Chain1

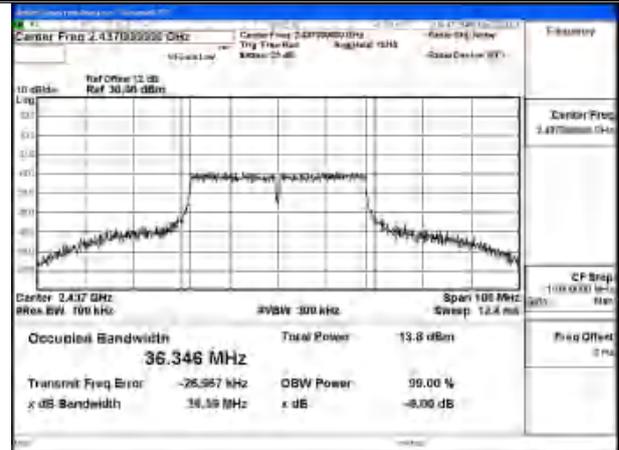
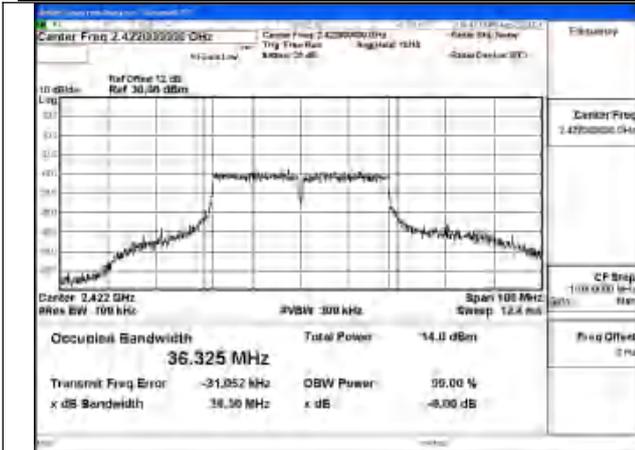


Mode:802.11ax HE20 Tone:242T Frequency:2437MHz  
Ant:Chain1



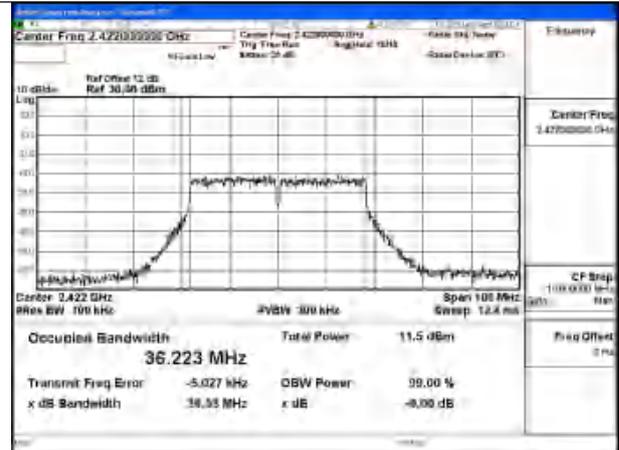
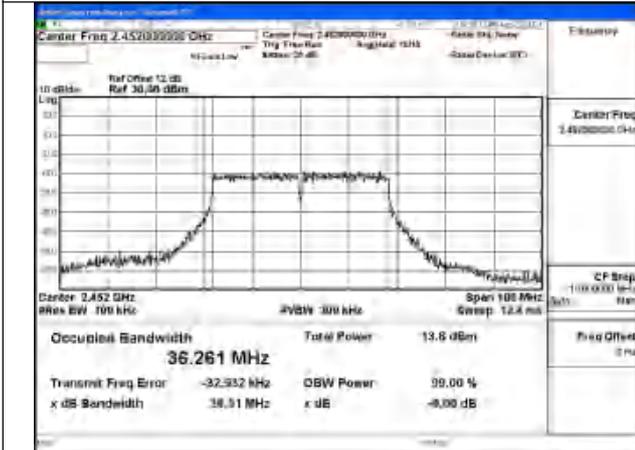
Mode:802.11ax HE20 Tone:242T Frequency:2462MHz  
Ant:Chain1

Test Mode: 802.11n HT40



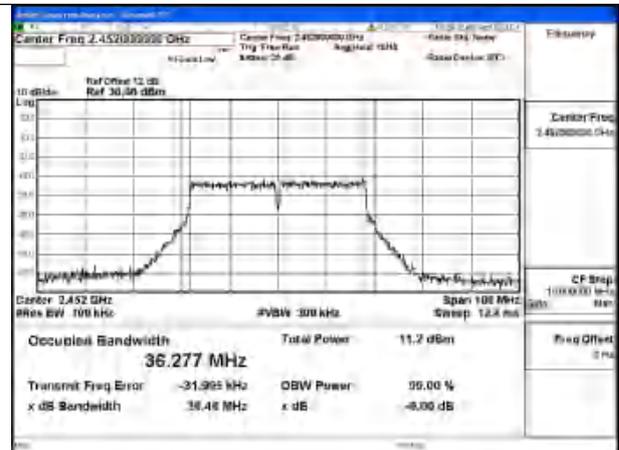
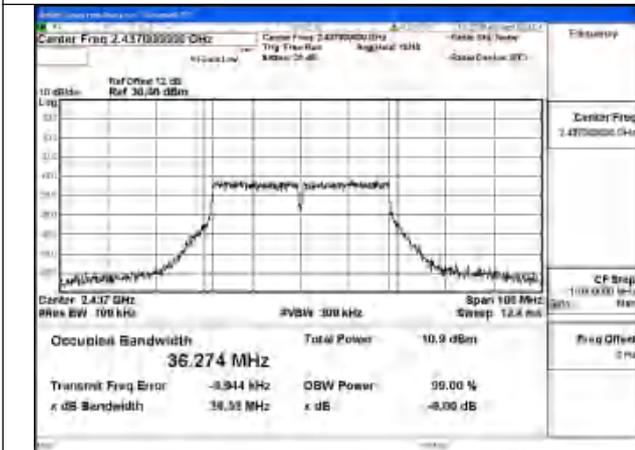
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

Mode:802.11n HT40 Frequency:2437MHz Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

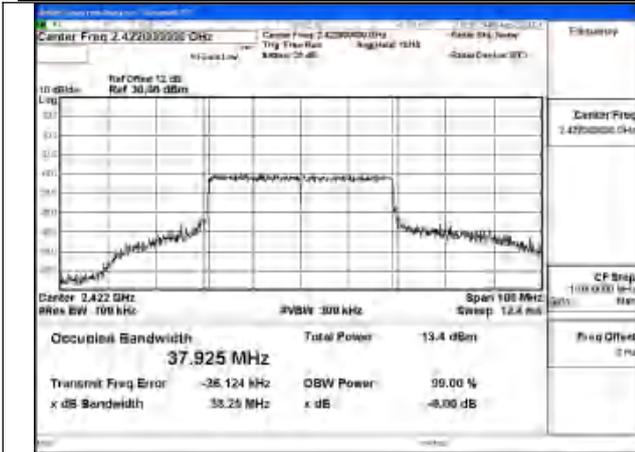
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1



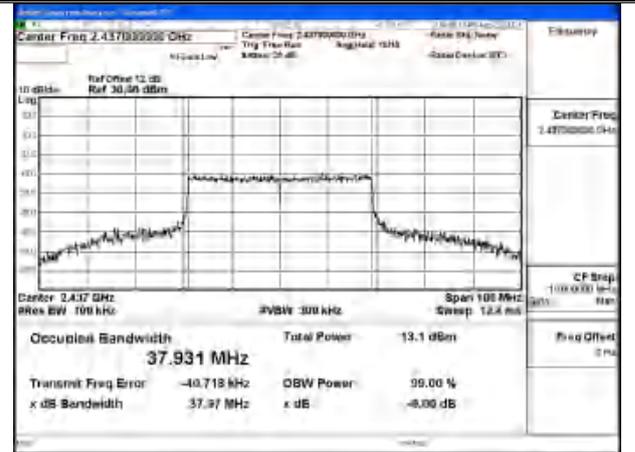
Mode:802.11n HT40 Frequency:2437MHz Ant:Chain1

Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

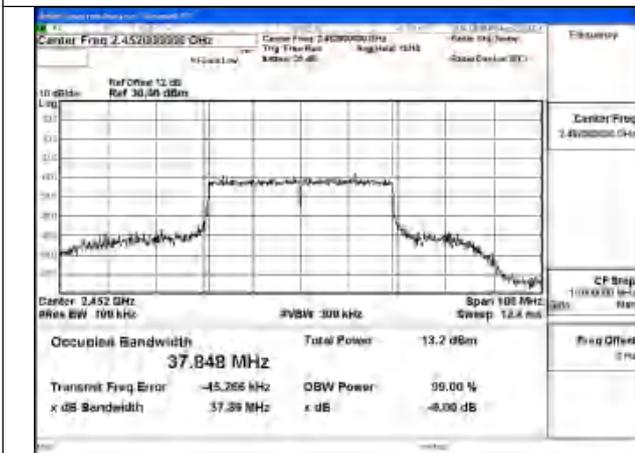
Test Mode: 802.11ax HE40



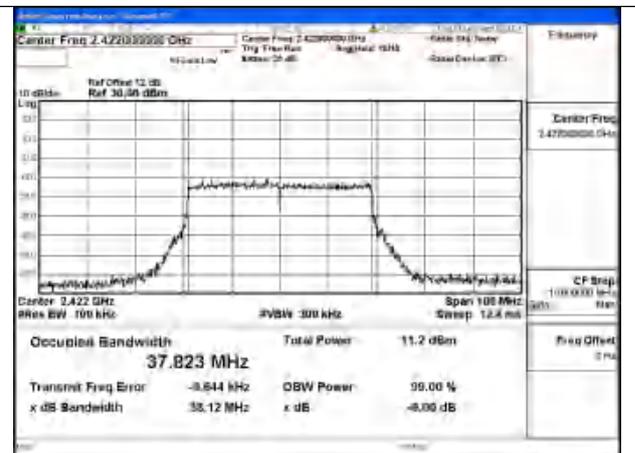
Mode:802.11ax HE40 Tone:484T Frequency:2422MHz  
Ant:Chain0



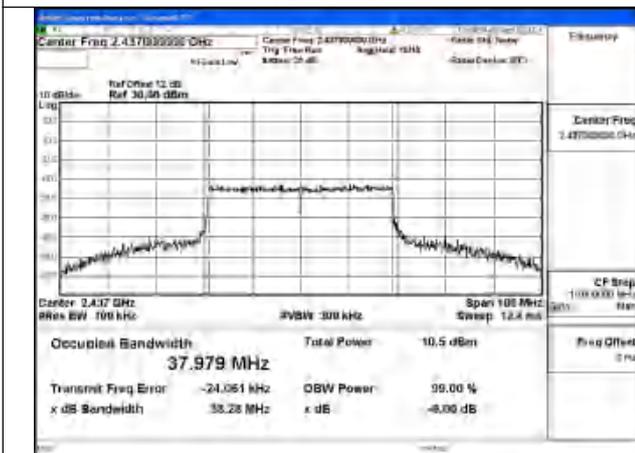
Mode:802.11ax HE40 Tone:484T Frequency:2437MHz  
Ant:Chain0



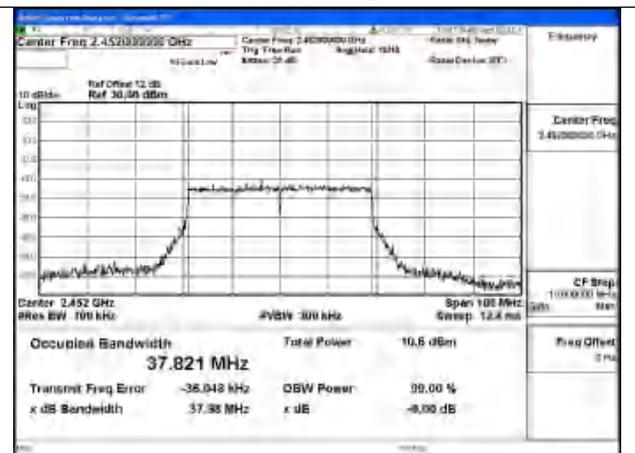
Mode:802.11ax HE40 Tone:484T Frequency:2452MHz  
Ant:Chain0



Mode:802.11ax HE40 Tone:484T Frequency:2422MHz  
Ant:Chain1



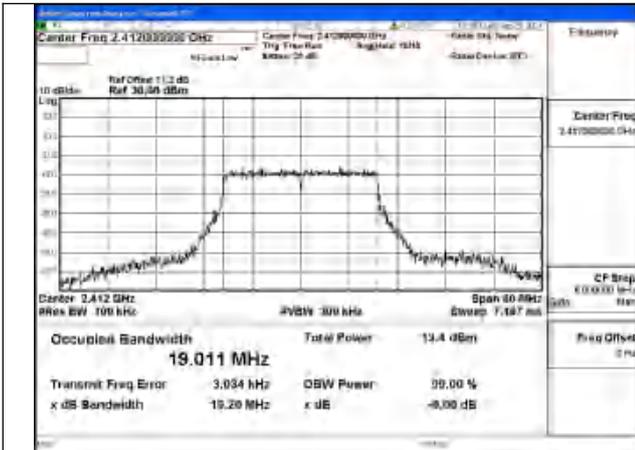
Mode:802.11ax HE40 Tone:484T Frequency:2437MHz  
Ant:Chain1



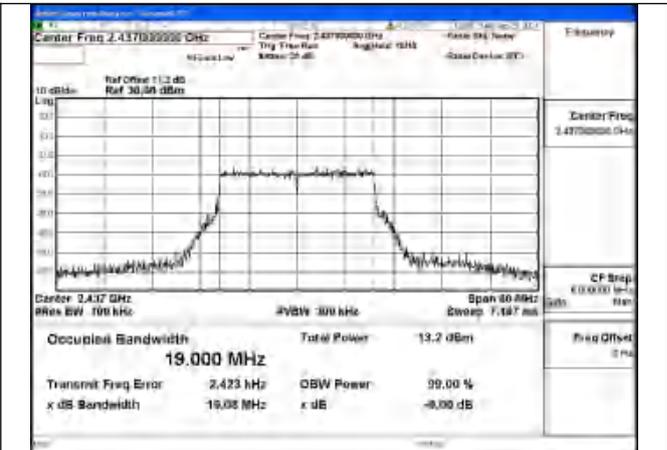
Mode:802.11ax HE40 Tone:484T Frequency:2452MHz  
Ant:Chain1



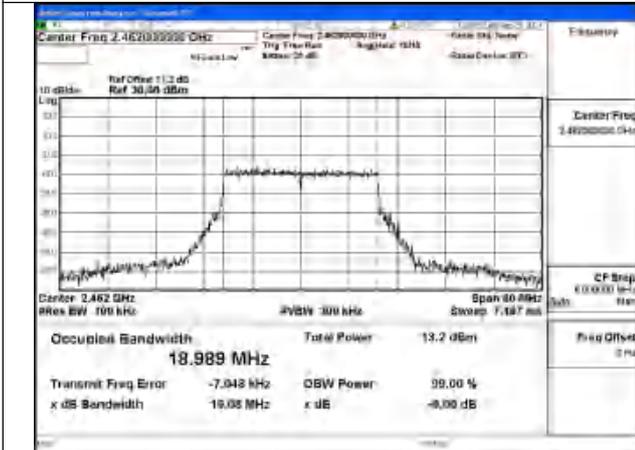
Test Mode: 802.11be EHT20



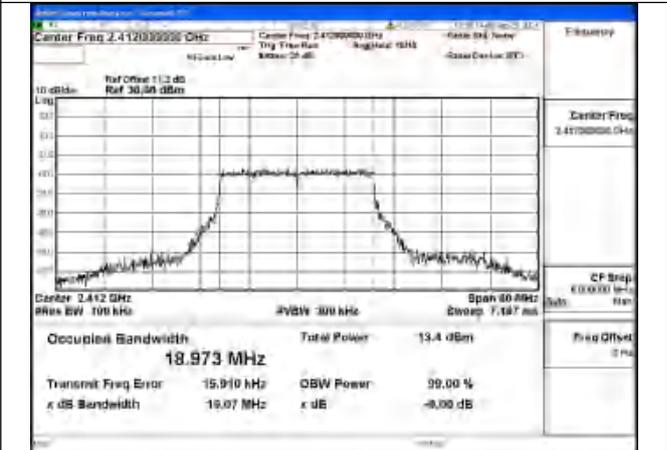
Mode:802.11be EHT20 Tone:242T Frequency:2412MHz  
Ant:Chain0



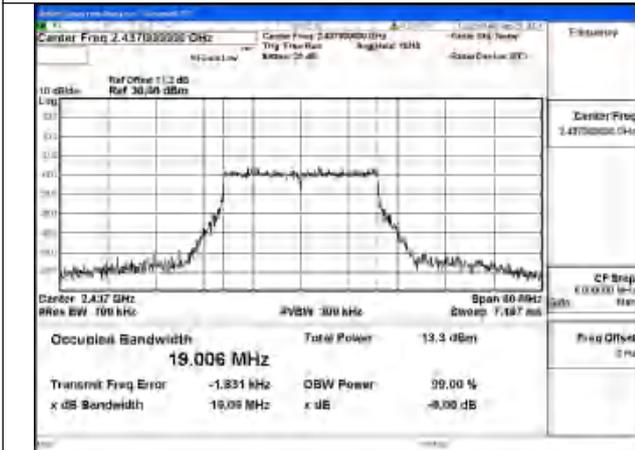
Mode:802.11be EHT20 Tone:242T Frequency:2437MHz  
Ant:Chain0



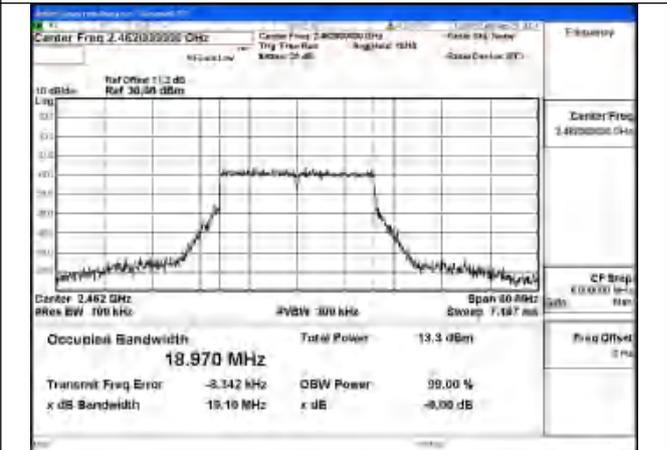
Mode:802.11be EHT20 Tone:242T Frequency:2462MHz  
Ant:Chain0



Mode:802.11be EHT20 Tone:242T Frequency:2412MHz  
Ant:Chain1



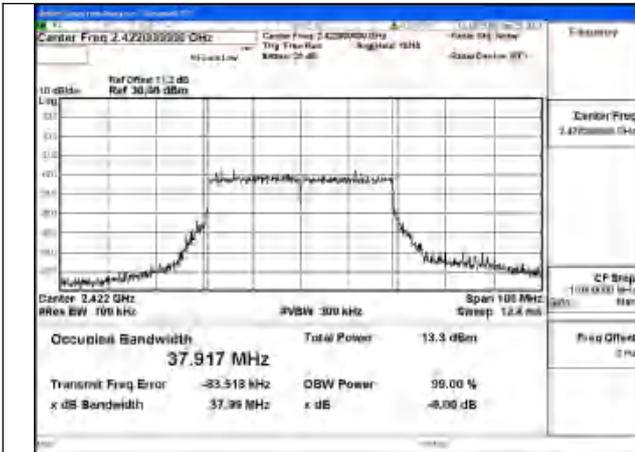
Mode:802.11be EHT20 Tone:242T Frequency:2437MHz  
Ant:Chain1



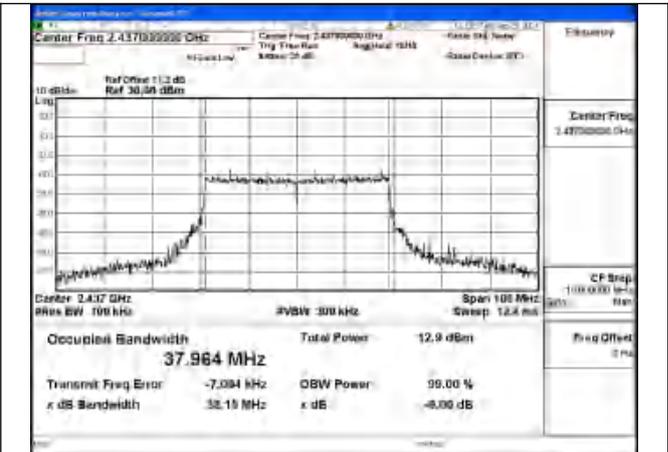
Mode:802.11be EHT20 Tone:242T Frequency:2462MHz  
Ant:Chain1



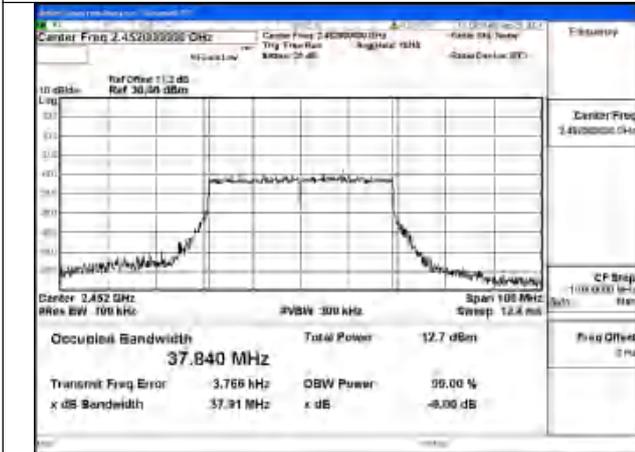
Test Mode: 802.11be EHT40



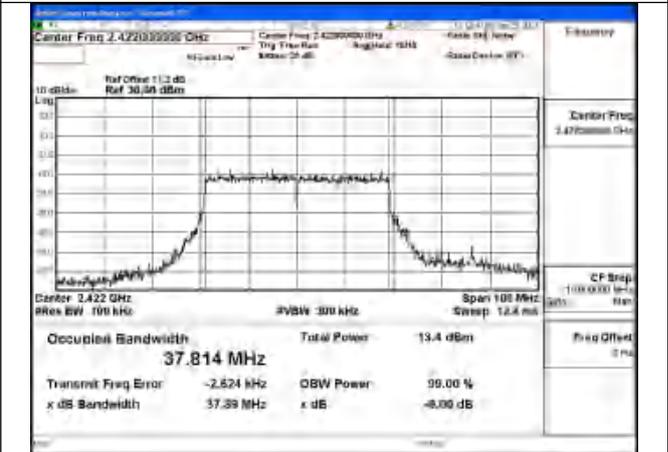
Mode:802.11be EHT40 Tone:484T Frequency:2422MHz  
Ant:Chain0



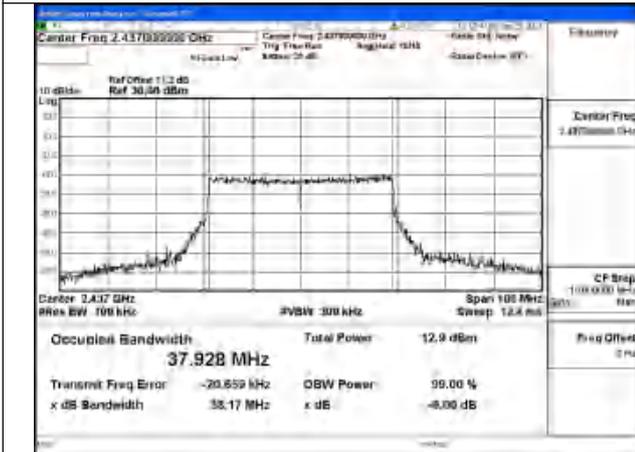
Mode:802.11be EHT40 Tone:484T Frequency:2437MHz  
Ant:Chain0



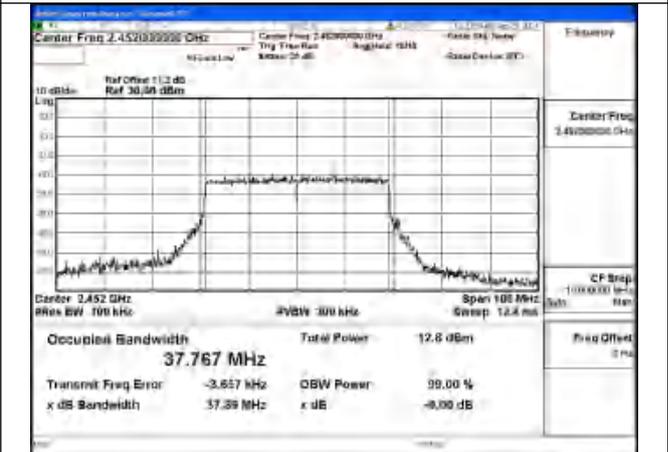
Mode:802.11be EHT40 Tone:484T Frequency:2452MHz  
Ant:Chain0



Mode:802.11be EHT40 Tone:484T Frequency:2422MHz  
Ant:Chain1



Mode:802.11be EHT40 Tone:484T Frequency:2437MHz  
Ant:Chain1



Mode:802.11be EHT40 Tone:484T Frequency:2452MHz  
Ant:Chain1



**99% Bandwidth**

Test Mode	Antenna	99% bandwidth (MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	13.124	12.626	13.113
802.11b	Chain1	13.068	13.178	13.086
802.11g	Chain0	16.843	16.966	16.913
802.11g	Chain1	16.863	16.895	16.965
802.11n HT20	Chain0	18.017	18.210	18.043
802.11n HT20	Chain1	17.929	18.010	18.076
802.11ax HE20	Chain0	19.241	19.185	19.219
802.11ax HE20	Chain1	19.181	19.275	19.212

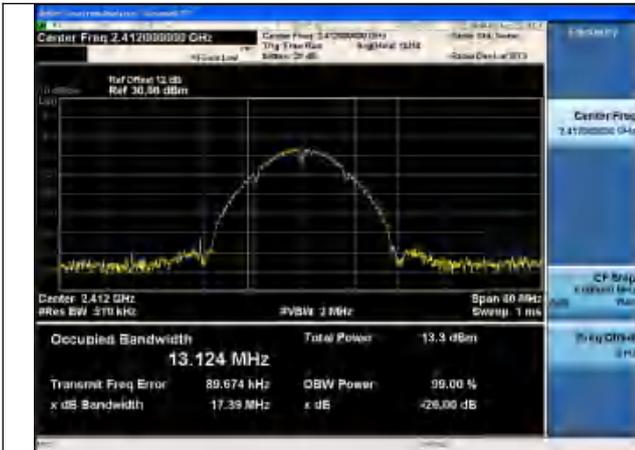
Test Mode	Antenna	99% bandwidth (MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	36.458	36.562	36.361
802.11n HT40	Chain1	36.348	36.436	36.308
802.11ax HE40	Chain0	37.927	38.026	37.910
802.11ax HE40	Chain1	37.928	37.978	37.912

Test Mode	Antenna	99% bandwidth(MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11be EHT20	Chain0	19.160	19.212	19.215
802.11be EHT20	Chain1	19.162	19.164	19.143

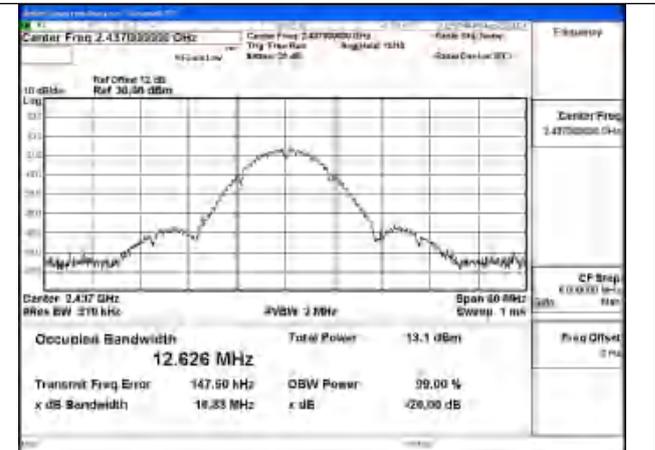
Test Mode	Antenna	99% bandwidth(MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11be EHT40	Chain0	38.029	37.949	37.950
802.11be EHT40	Chain1	38.002	37.967	38.006



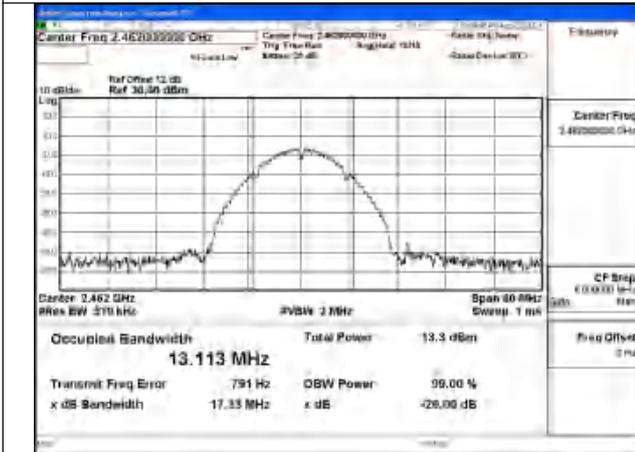
Test Mode: 802.11b



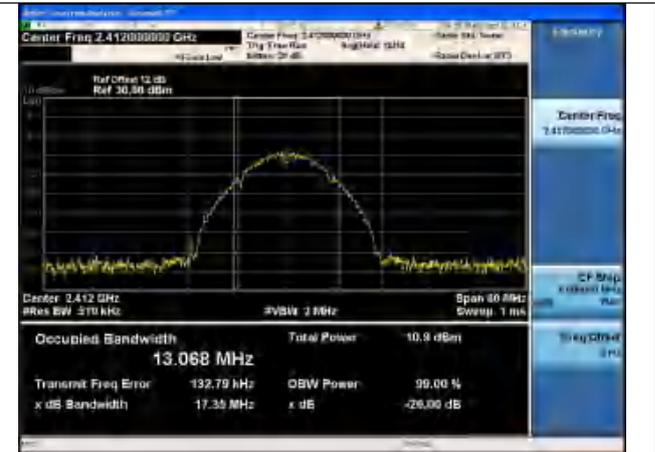
Mode:802.11b Frequency:2412MHz Ant:Chain0



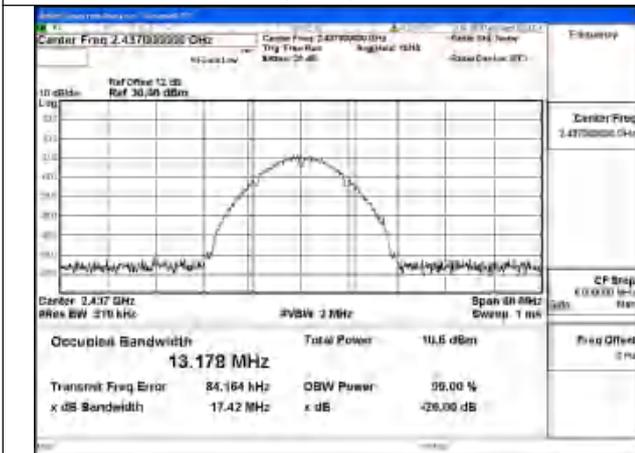
Mode:802.11b Frequency:2437MHz Ant:Chain0



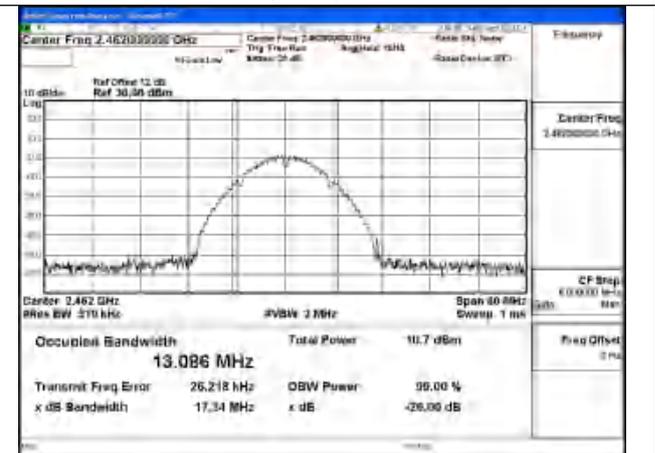
Mode:802.11b Frequency:2462MHz Ant:Chain0



Mode:802.11b Frequency:2412MHz Ant:Chain1

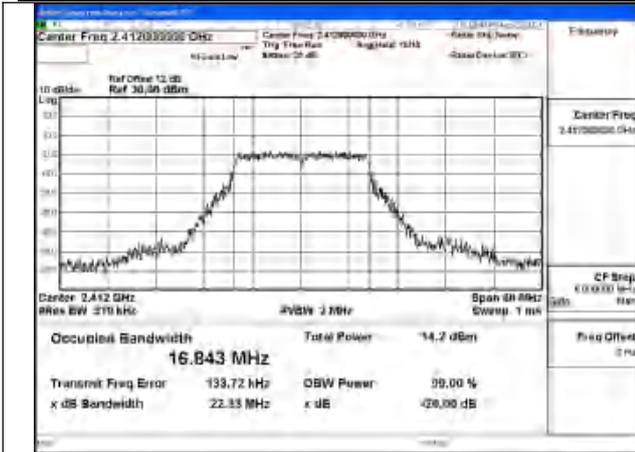


Mode:802.11b Frequency:2437MHz Ant:Chain1

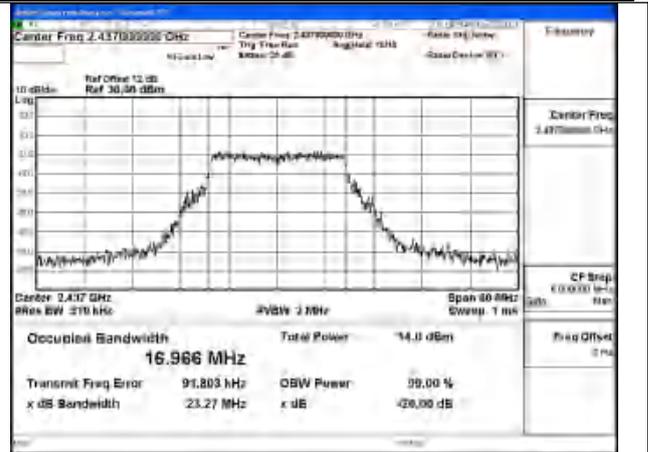


Mode:802.11b Frequency:2462MHz Ant:Chain1

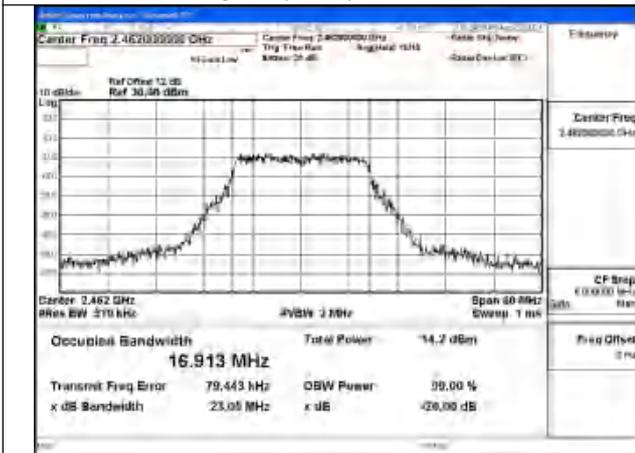
Test Mode: 802.11g



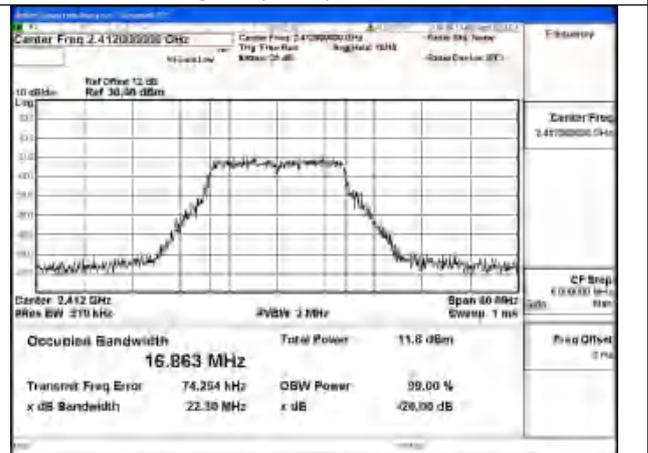
Mode:802.11g Frequency:2412MHz Ant:Chain0



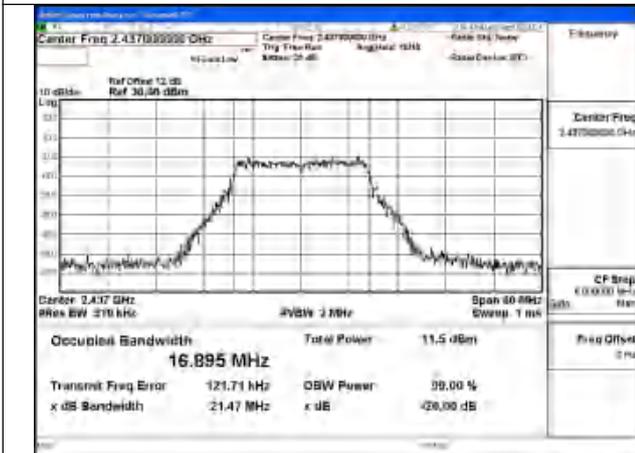
Mode:802.11g Frequency:2437MHz Ant:Chain0



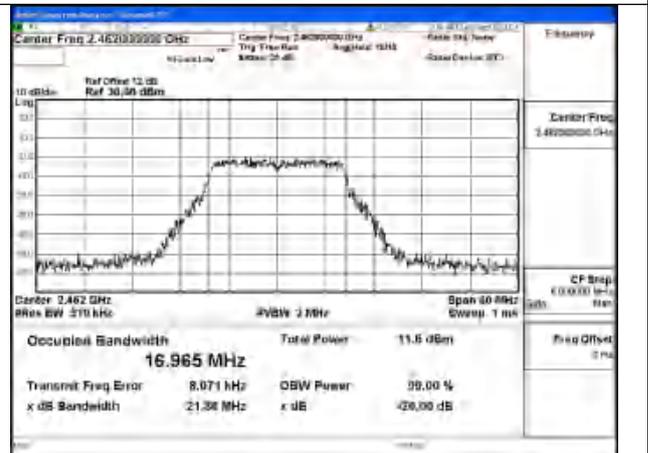
Mode:802.11g Frequency:2462MHz Ant:Chain0



Mode:802.11g Frequency:2412MHz Ant:Chain1

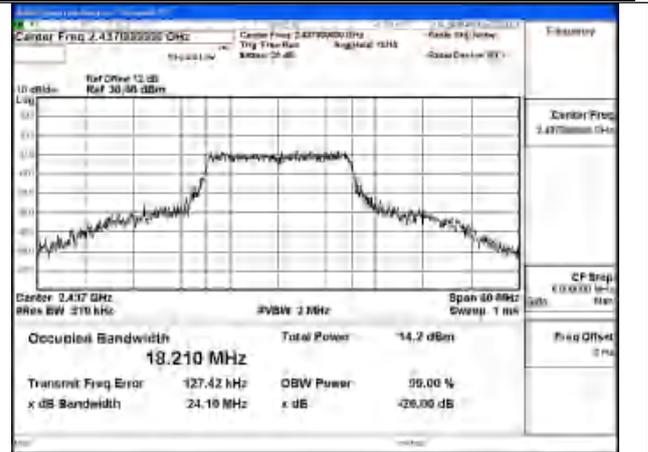
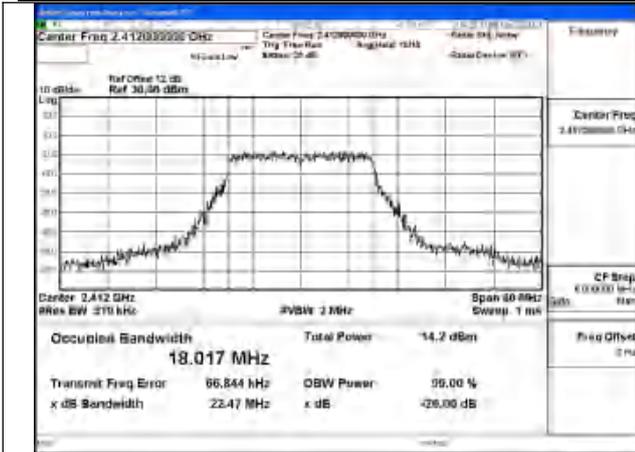


Mode:802.11g Frequency:2437MHz Ant:Chain1



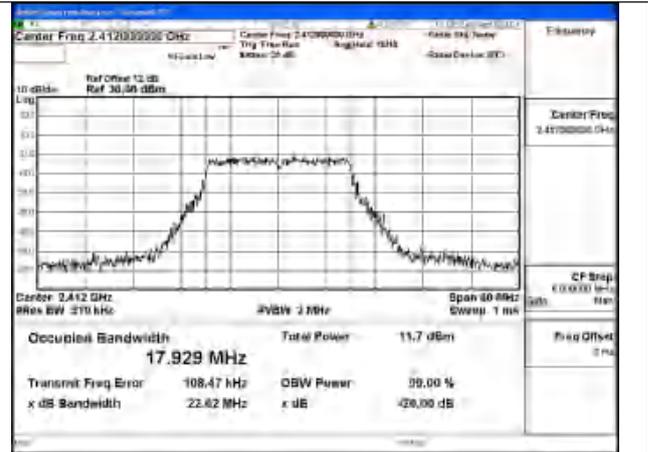
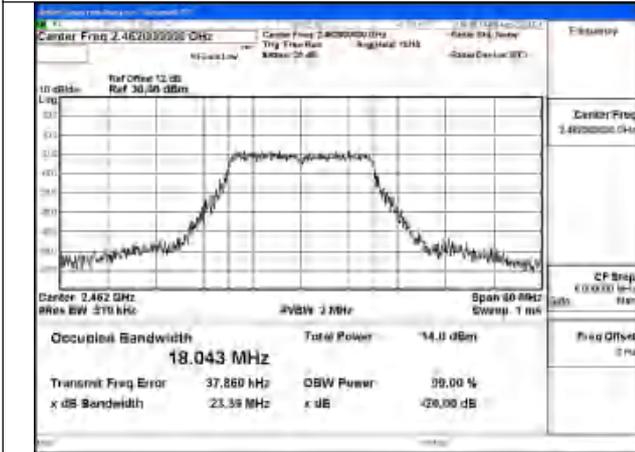
Mode:802.11g Frequency:2462MHz Ant:Chain1

Test Mode: 802.11n HT20



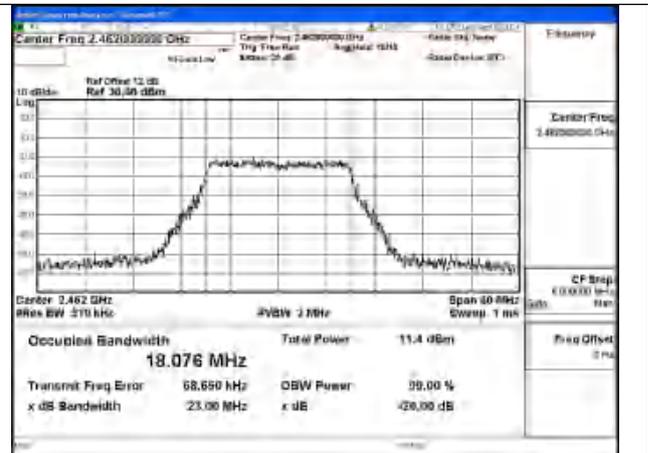
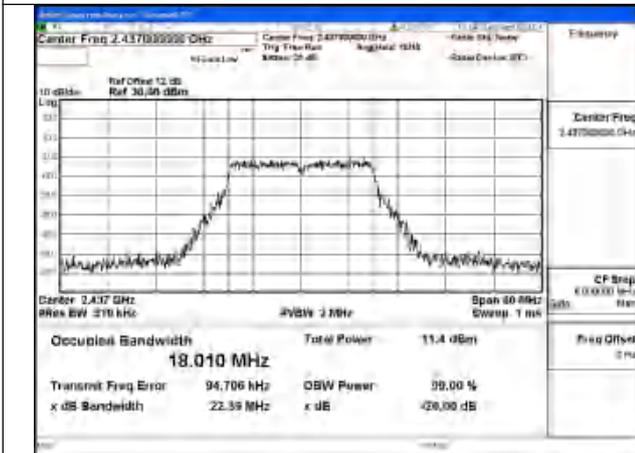
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0

Mode:802.11n HT20 Frequency:2437MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

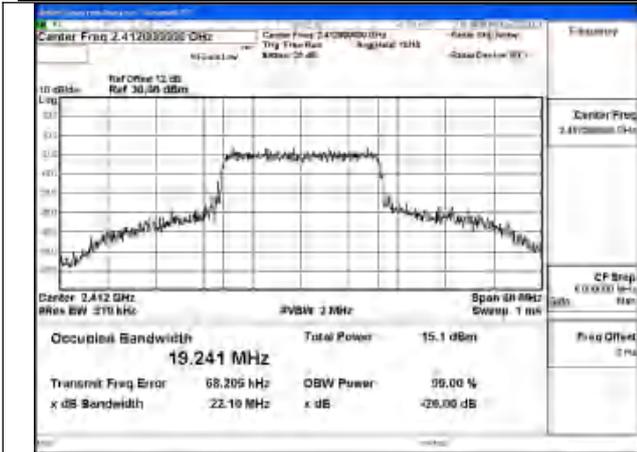
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1



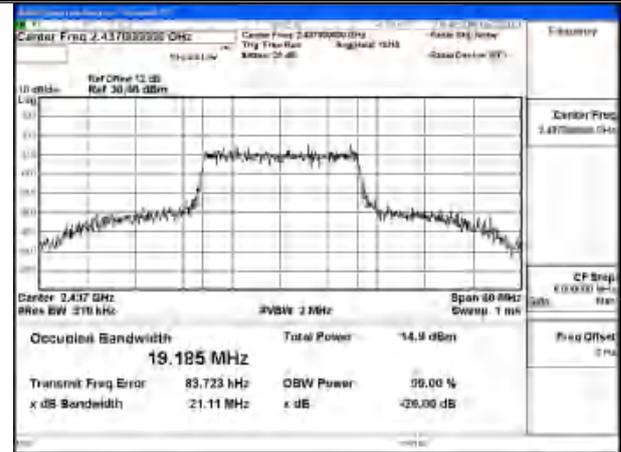
Mode:802.11n HT20 Frequency:2437MHz Ant:Chain1

Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

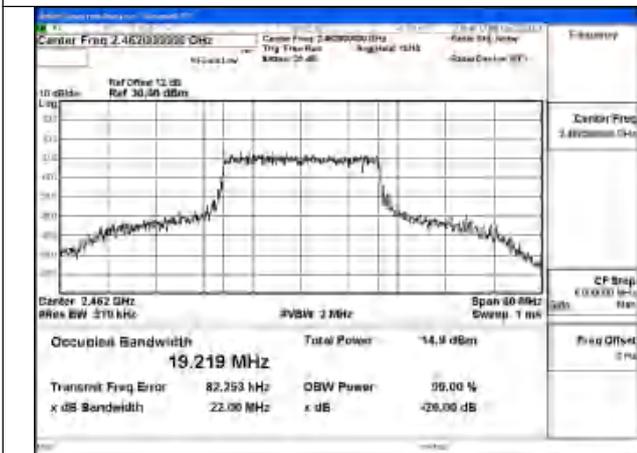
Test Mode: 802.11ax HE20



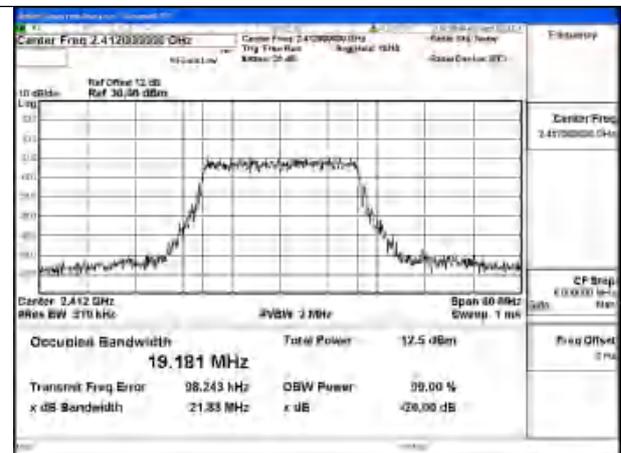
Mode:802.11ax HE20 Tone:242T Frequency:2412MHz  
Ant:Chain0



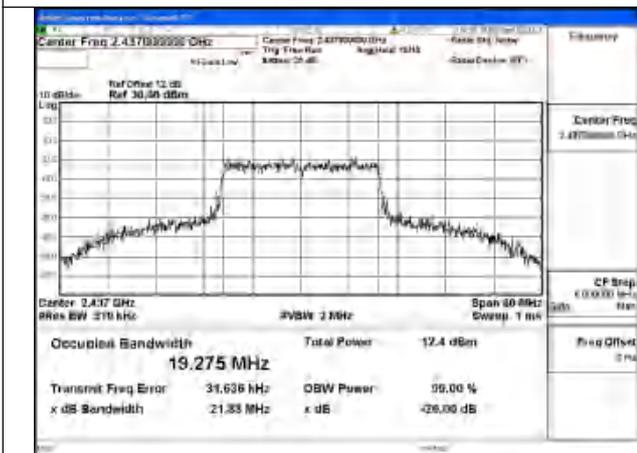
Mode:802.11ax HE20 Tone:242T Frequency:2437MHz  
Ant:Chain0



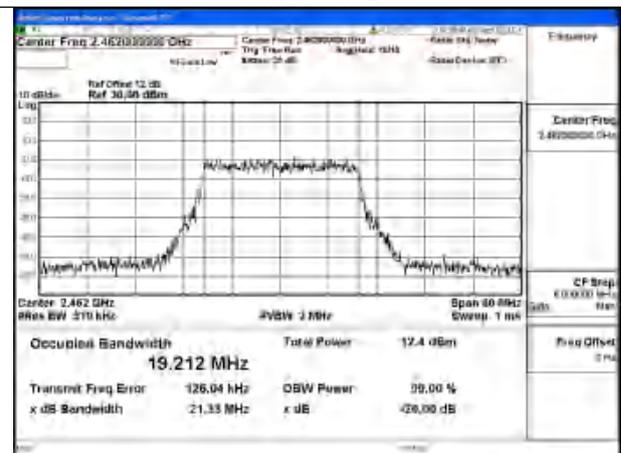
Mode:802.11ax HE20 Tone:242T Frequency:2462MHz  
Ant:Chain0



Mode:802.11ax HE20 Tone:242T Frequency:2412MHz  
Ant:Chain1

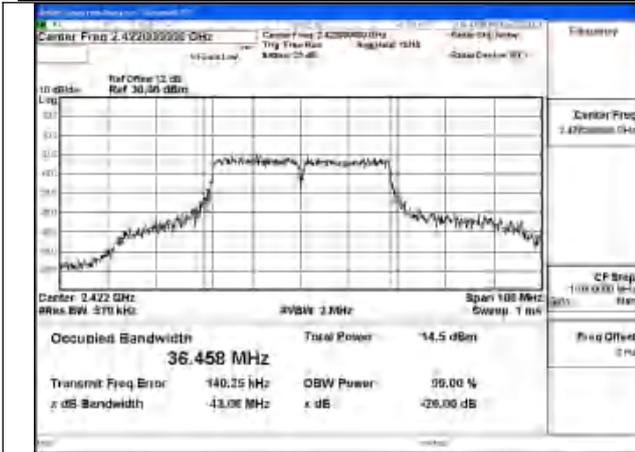


Mode:802.11ax HE20 Tone:242T Frequency:2437MHz  
Ant:Chain1

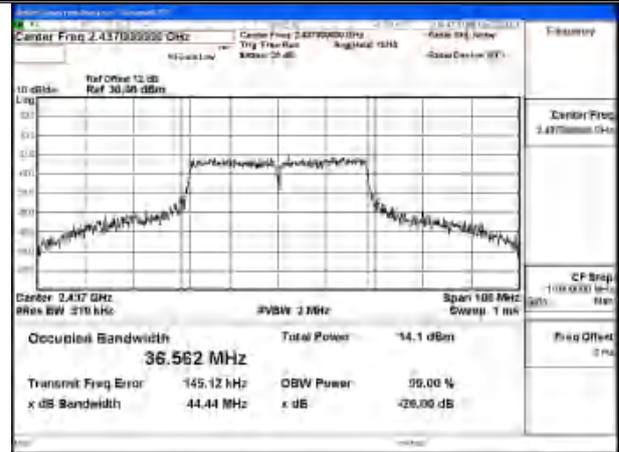


Mode:802.11ax HE20 Tone:242T Frequency:2462MHz  
Ant:Chain1

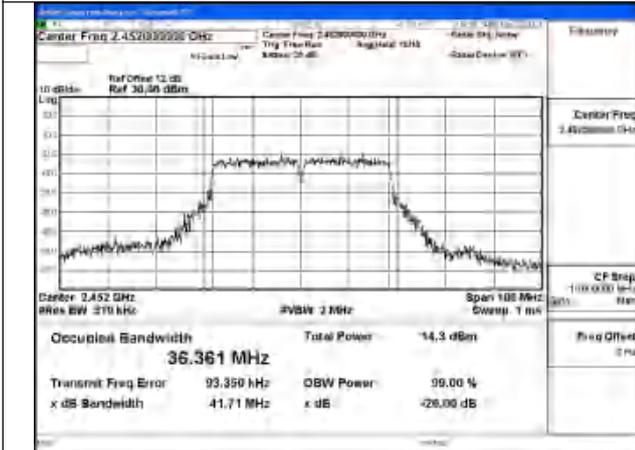
Test Mode: 802.11n HT40



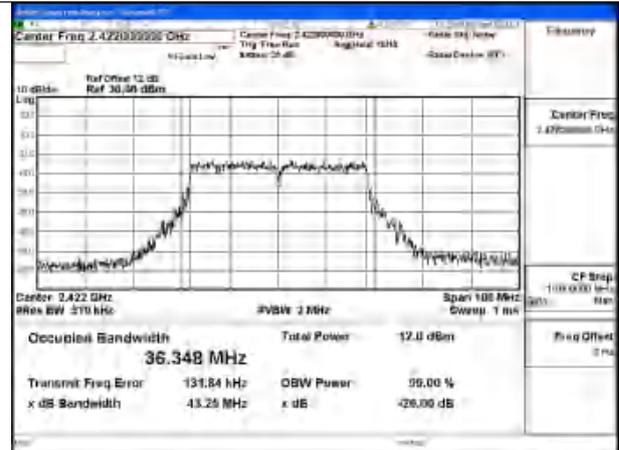
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0



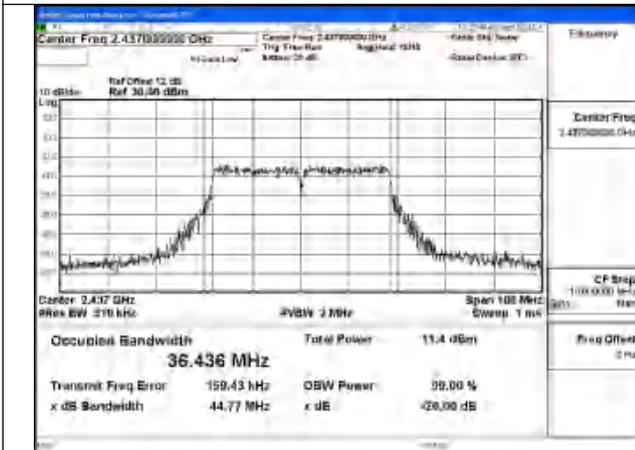
Mode:802.11n HT40 Frequency:2437MHz Ant:Chain0



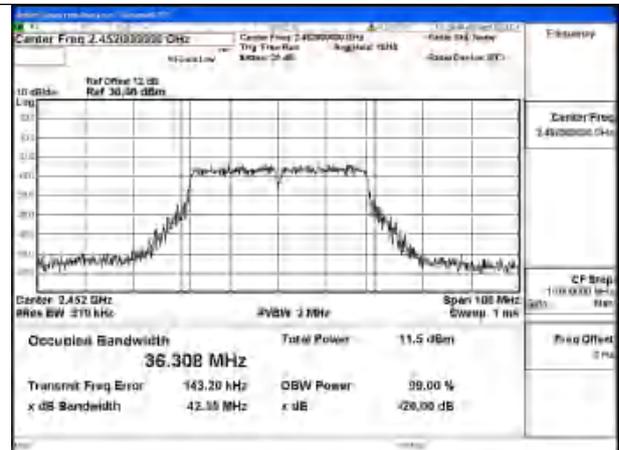
Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1

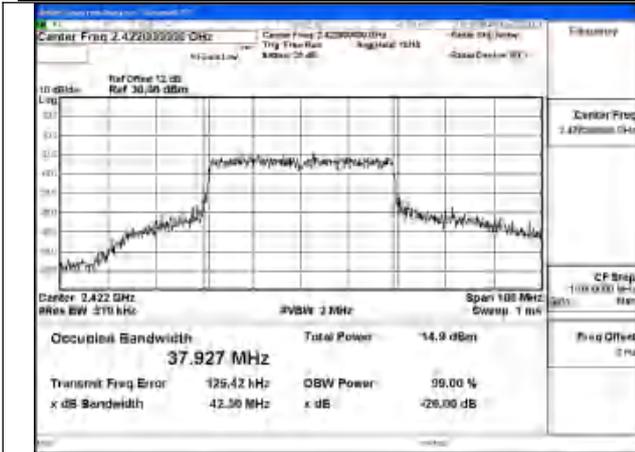


Mode:802.11n HT40 Frequency:2437MHz Ant:Chain1

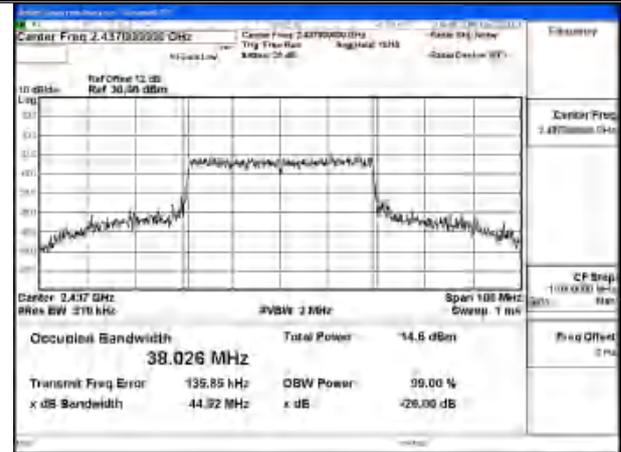


Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

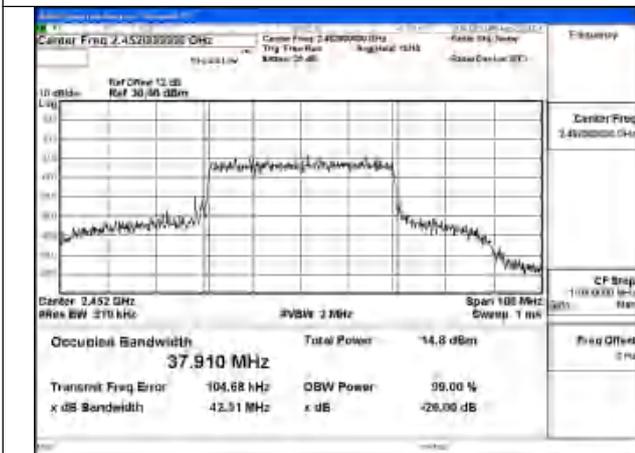
Test Mode: 802.11ax HE40



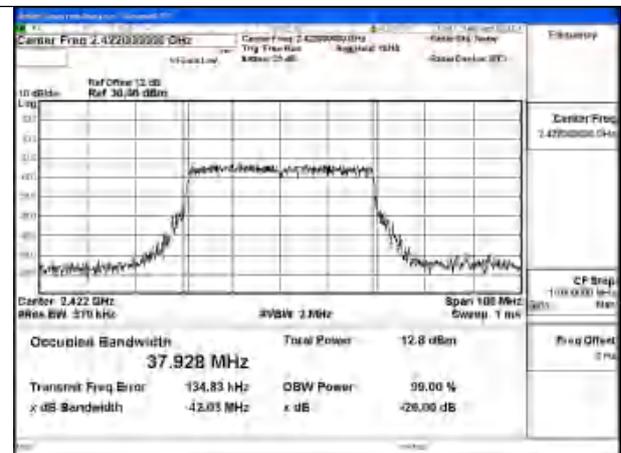
Mode:802.11ax HE40 Tone:484T Frequency:2422MHz  
Ant:Chain0



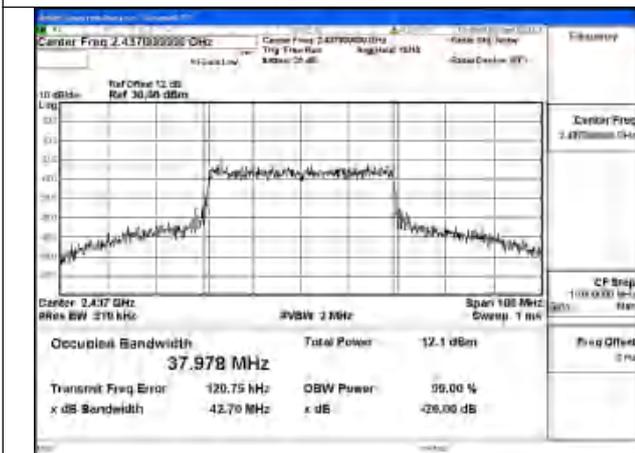
Mode:802.11ax HE40 Tone:484T Frequency:2437MHz  
Ant:Chain0



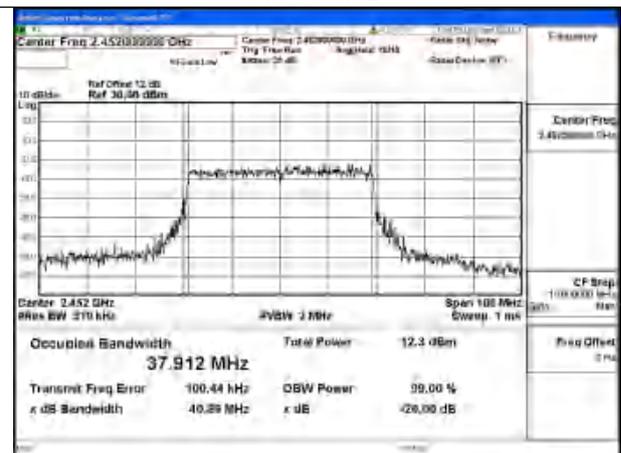
Mode:802.11ax HE40 Tone:484T Frequency:2452MHz  
Ant:Chain0



Mode:802.11ax HE40 Tone:484T Frequency:2422MHz  
Ant:Chain1



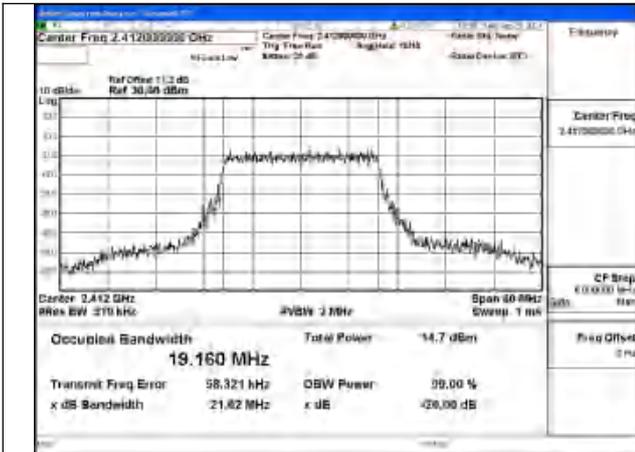
Mode:802.11ax HE40 Tone:484T Frequency:2437MHz  
Ant:Chain1



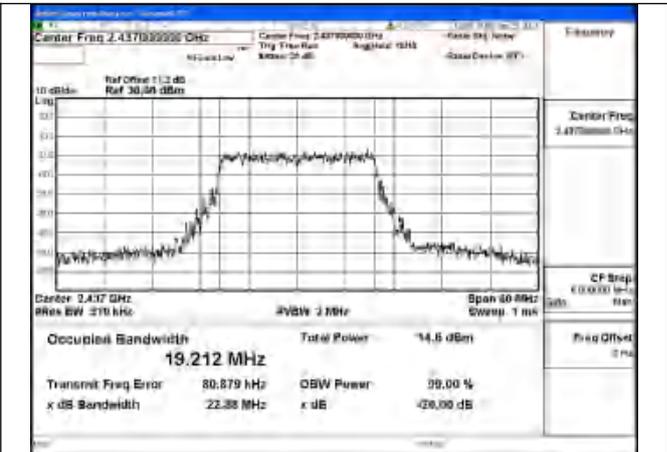
Mode:802.11ax HE40 Tone:484T Frequency:2452MHz  
Ant:Chain1



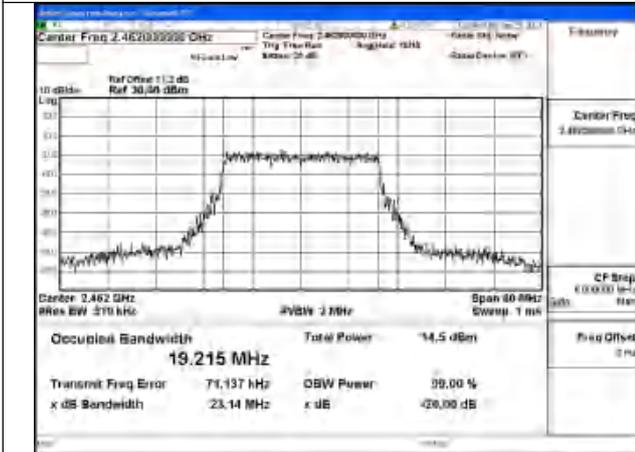
Test Mode: 802.11be EHT20



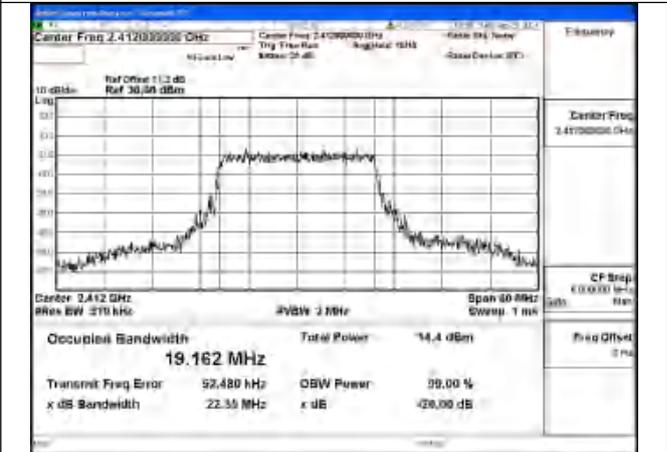
Mode:802.11be EHT20 Tone:242T Frequency:2412MHz  
Ant:Chain0



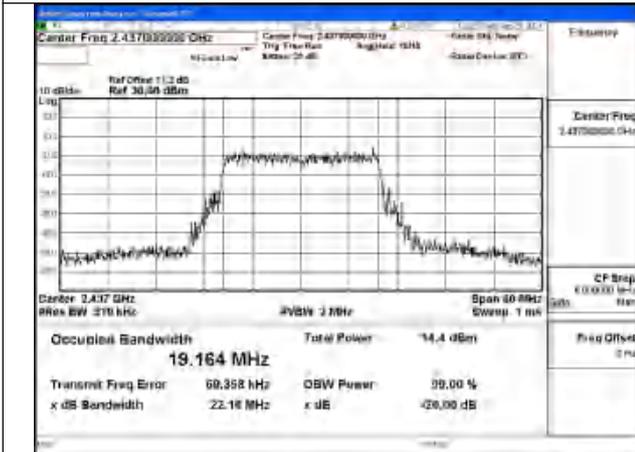
Mode:802.11be EHT20 Tone:242T Frequency:2437MHz  
Ant:Chain0



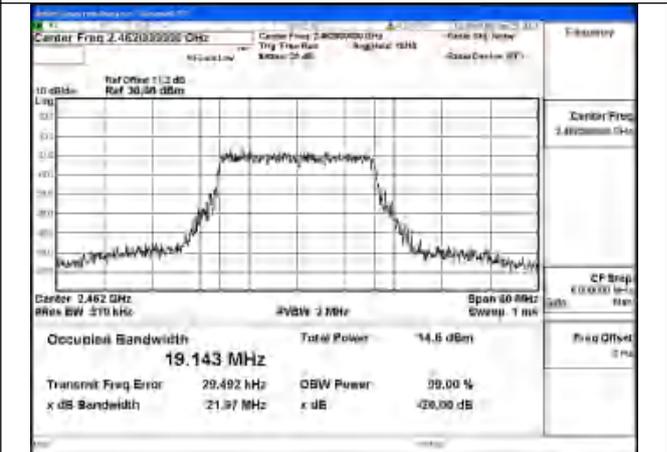
Mode:802.11be EHT20 Tone:242T Frequency:2462MHz  
Ant:Chain0



Mode:802.11be EHT20 Tone:242T Frequency:2412MHz  
Ant:Chain1

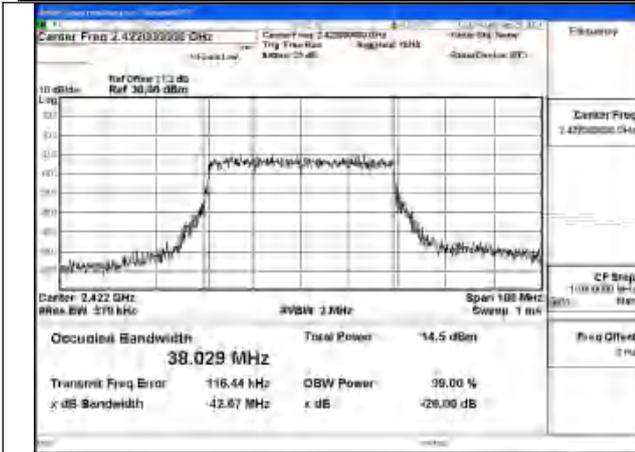


Mode:802.11be EHT20 Tone:242T Frequency:2437MHz  
Ant:Chain1

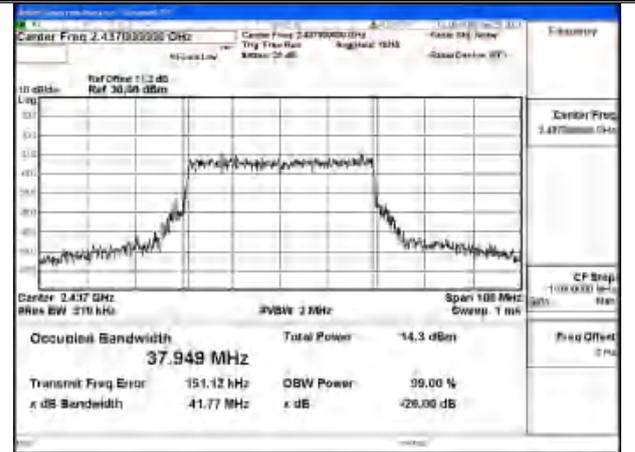


Mode:802.11be EHT20 Tone:242T Frequency:2462MHz  
Ant:Chain1

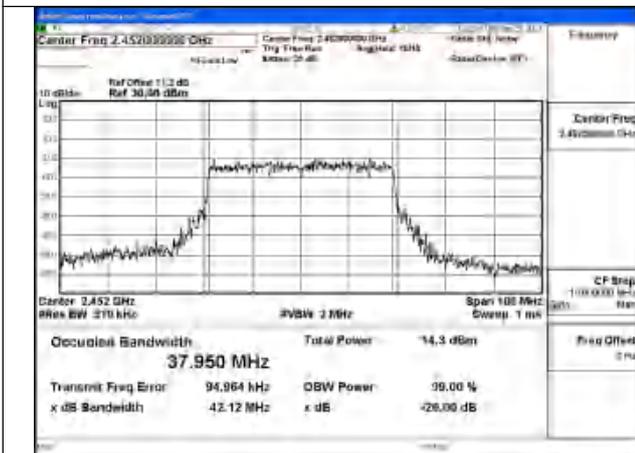
Test Mode: 802.11be EHT40



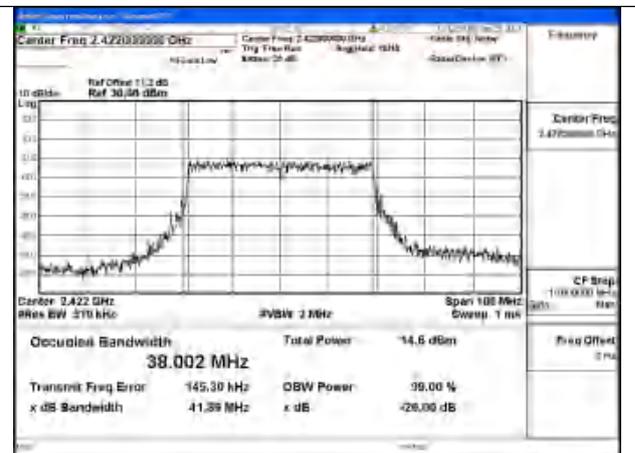
Mode:802.11be EHT40 Tone:484T Frequency:2422MHz  
Ant:Chain0



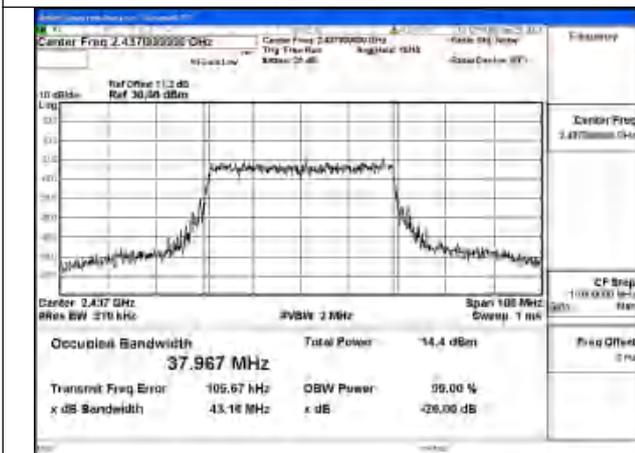
Mode:802.11be EHT40 Tone:484T Frequency:2437MHz  
Ant:Chain0



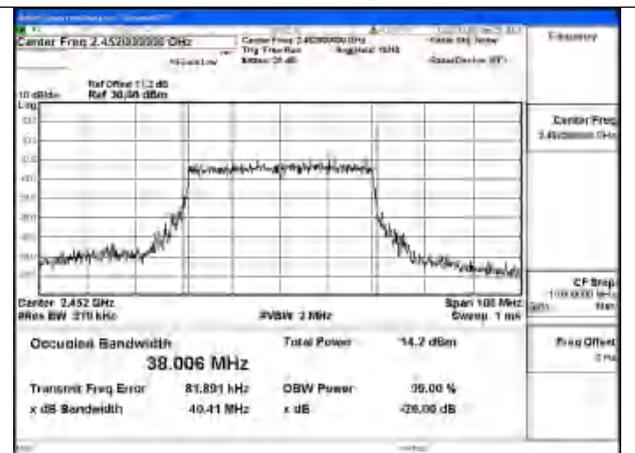
Mode:802.11be EHT40 Tone:484T Frequency:2452MHz  
Ant:Chain0



Mode:802.11be EHT40 Tone:484T Frequency:2422MHz  
Ant:Chain1



Mode:802.11be EHT40 Tone:484T Frequency:2437MHz  
Ant:Chain1



Mode:802.11be EHT40 Tone:484T Frequency:2452MHz  
Ant:Chain1



### Transmitter Power Spectral Density

Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11b	Chain0	NA	-11.790	-11.964	-11.545
802.11b	Chain1	NA	-14.206	-13.646	-14.381
802.11g	Chain0	NA	-15.351	-15.312	-14.615
802.11g	Chain1	NA	-17.345	-17.398	-17.744
802.11n HT20	Chain0	NA	-14.532	-14.743	-14.790
802.11n HT20	Chain1	NA	-17.750	-18.091	-18.003
802.11n HT20	MIMO	NA	-12.839	-13.092	-13.096
802.11ax HE20	Chain0	26T	-17.994	-17.768	-17.715
802.11ax HE20	Chain1	26T	-17.882	-17.887	-17.285
802.11ax HE20	MIMO	26T	-14.927	-14.817	-14.484
802.11ax HE20	Chain0	52T	-18.219	-18.493	-17.402
802.11ax HE20	Chain1	52T	-16.571	-18.421	-18.064
802.11ax HE20	MIMO	52T	-14.307	-15.447	-14.710
802.11ax HE20	Chain0	106T	-18.699	-18.924	-17.623
802.11ax HE20	Chain1	106T	-18.391	-18.844	-17.673
802.11ax HE20	MIMO	106T	-15.532	-15.874	-14.638
802.11ax HE20	Chain0	242T	-14.853	-14.954	-15.432
802.11ax HE20	Chain1	242T	-16.937	-18.454	-17.363
802.11ax HE20	MIMO	242T	-12.761	-13.350	-13.281
802.11be EHT20	Chain0	26T	-18.547	-17.811	-17.458
802.11be EHT20	Chain1	26T	-18.649	-17.773	-17.617
802.11be EHT20	MIMO	26T	-15.587	-14.782	-14.526
802.11be EHT20	Chain0	52T	-17.835	-16.818	-16.846
802.11be EHT20	Chain1	52T	-17.581	-17.290	-17.206
802.11be EHT20	MIMO	52T	-14.696	-14.037	-14.012
802.11be EHT20	Chain0	106T	-18.302	-18.286	-17.726
802.11be EHT20	Chain1	106T	-18.564	-17.725	-17.792
802.11be EHT20	MIMO	106T	-15.421	-14.986	-14.749
802.11be EHT20	Chain0	242T	-16.470	-15.174	-15.460
802.11be EHT20	Chain1	242T	-14.841	-15.496	-15.254
802.11be EHT20	MIMO	242T	-12.569	-12.322	-12.345
802.11be EHT20	Chain0	26+52	-18.583	-18.373	-18.091
802.11be EHT20	Chain1	26+52	-18.340	-17.740	-17.805



802.11be EHT20	MIMO	26+52	-15.450	-15.035	-14.935
802.11be EHT20	Chain0	26+106	-18.763	-19.198	-18.697
802.11be EHT20	Chain1	26+106	-18.688	-19.051	-18.682
802.11be EHT20	MIMO	26+106	-15.715	-16.114	-15.679

Test Mode	Antenna	Tones	Power Density(dBm/3KHz)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	NA	-17.536	-18.253	-18.488
802.11n HT40	Chain1	NA	-20.461	-21.331	-21.060
802.11n HT40	MIMO	NA	-15.746	-16.515	-16.576
802.11ax HE40	Chain0	26T	-17.271	-16.780	-16.989
802.11ax HE40	Chain1	26T	-16.938	-18.491	-18.318
802.11ax HE40	MIMO	26T	-14.091	-14.541	-14.593
802.11ax HE40	Chain0	52T	-17.508	-17.107	-16.726
802.11ax HE40	Chain1	52T	-17.113	-16.974	-17.273
802.11ax HE40	MIMO	52T	-14.296	-14.030	-13.981
802.11ax HE40	Chain0	106T	-19.365	-18.658	-18.222
802.11ax HE40	Chain1	106T	-18.627	-19.550	-18.895
802.11ax HE40	MIMO	106T	-15.970	-16.071	-15.535
802.11ax HE40	Chain0	242T	-20.494	-20.339	-20.514
802.11ax HE40	Chain1	242T	-20.903	-20.629	-20.609
802.11ax HE40	MIMO	242T	-17.683	-17.471	-17.551
802.11ax HE40	Chain0	484T	-16.744	-17.503	-17.875
802.11ax HE40	Chain1	484T	-19.923	-19.955	-19.676
802.11ax HE40	MIMO	484T	-15.039	-15.548	-15.673
802.11be EHT40	Chain0	26T	-18.879	-17.209	-18.188
802.11be EHT40	Chain1	26T	-18.664	-17.787	-17.412
802.11be EHT40	MIMO	26T	-15.760	-14.478	-14.772
802.11be EHT40	Chain0	52T	-18.047	-17.518	-17.335
802.11be EHT40	Chain1	52T	-18.328	-17.845	-17.905
802.11be EHT40	MIMO	52T	-15.175	-14.668	-14.600
802.11be EHT40	Chain0	106T	-18.072	-18.184	-18.706
802.11be EHT40	Chain1	106T	-18.242	-17.843	-18.614
802.11be EHT40	MIMO	106T	-15.146	-15.000	-15.649
802.11be EHT40	Chain0	242T	-19.736	-19.235	-19.265
802.11be EHT40	Chain1	242T	-19.034	-19.228	-19.382



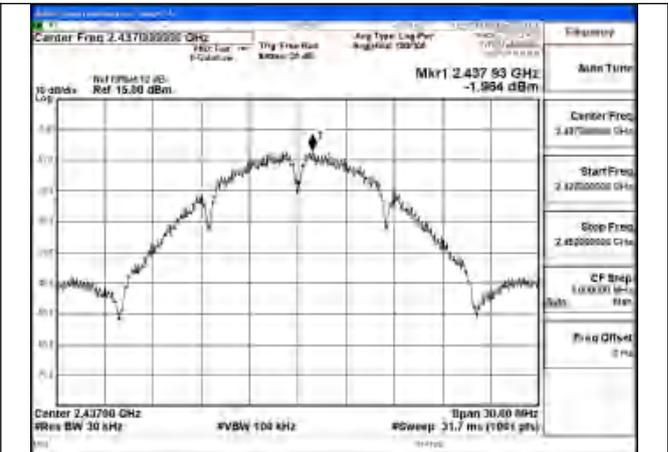
EHT40					
802.11be EHT40	MIMO	242T	-16.361	-16.221	-16.313
802.11be EHT40	Chain0	484T	-13.339	-14.332	-12.771
802.11be EHT40	Chain1	484T	-11.720	-12.496	-11.868
802.11be EHT40	MIMO	484T	-9.444	-10.307	-9.286
802.11be EHT40	Chain0	26+52	-19.299	-18.789	-19.348
802.11be EHT40	Chain1	26+52	-19.161	-19.029	-19.497
802.11be EHT40	MIMO	26+52	-16.219	-15.897	-16.412
802.11be EHT40	Chain0	26+106	-18.869	-18.634	-18.304
802.11be EHT40	Chain1	26+106	-17.631	-18.261	-18.135
802.11be EHT40	MIMO	26+106	-15.196	-15.433	-15.208



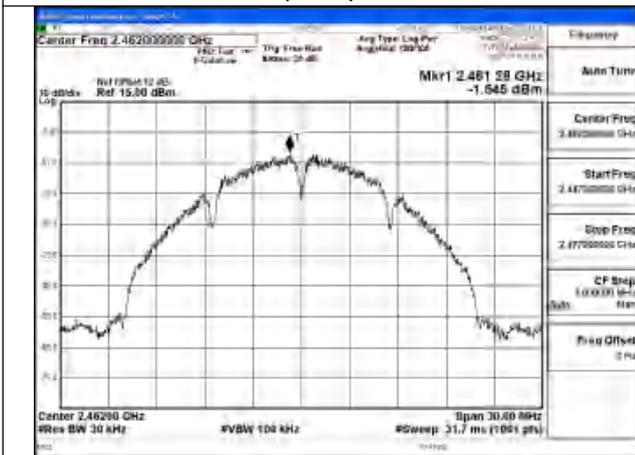
Test Mode: 802.11b



Mode:802.11b Frequency:2412MHz Ant:Chain0



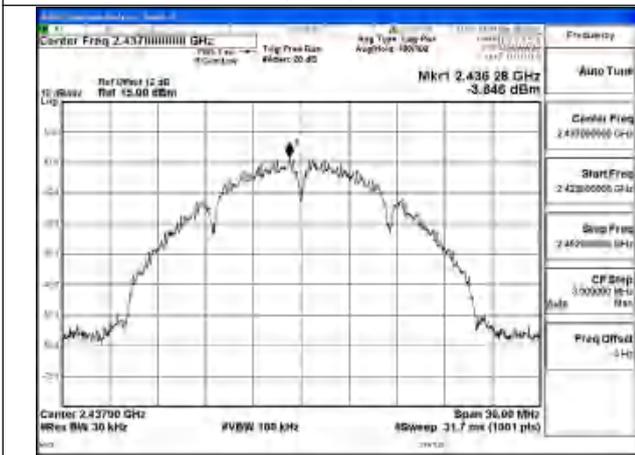
Mode:802.11b Frequency:2437MHz Ant:Chain0



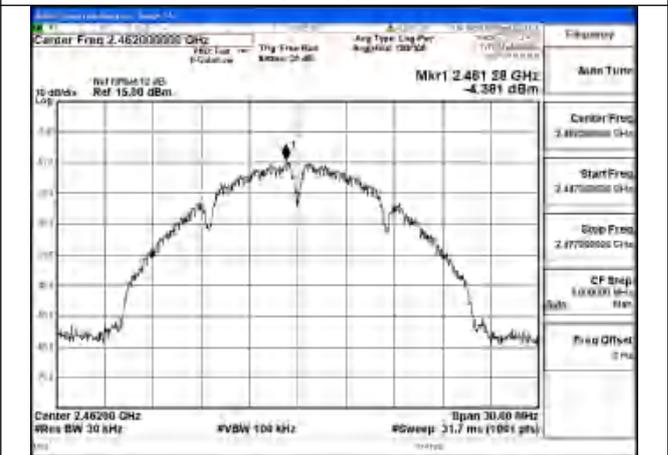
Mode:802.11b Frequency:2462MHz Ant:Chain0



Mode:802.11b Frequency:2412MHz Ant:Chain1

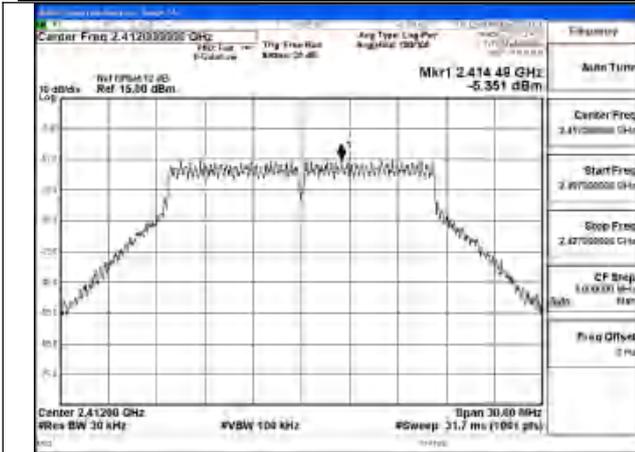


Mode:802.11b Frequency:2437MHz Ant:Chain1

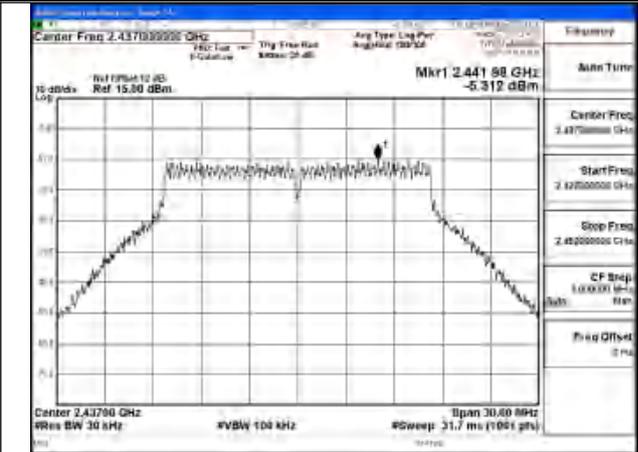


Mode:802.11b Frequency:2462MHz Ant:Chain1

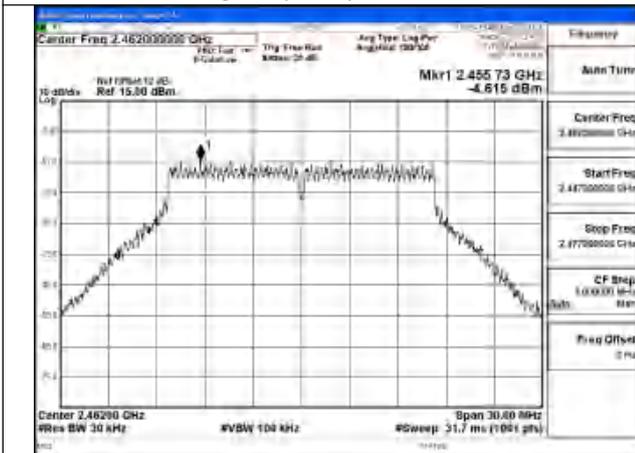
Test Mode: 802.11g



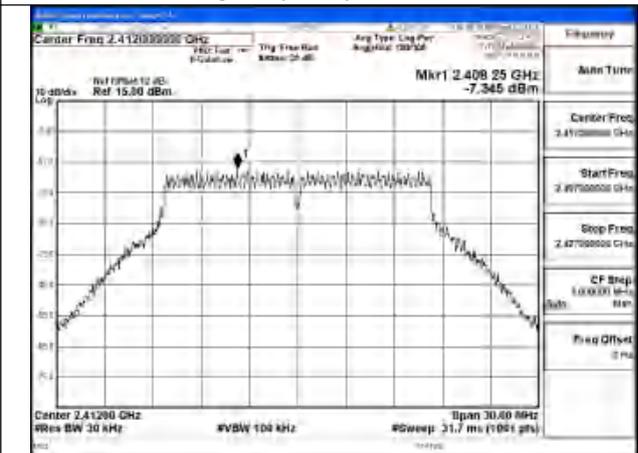
Mode:802.11g Frequency:2412MHz Ant:Chain0



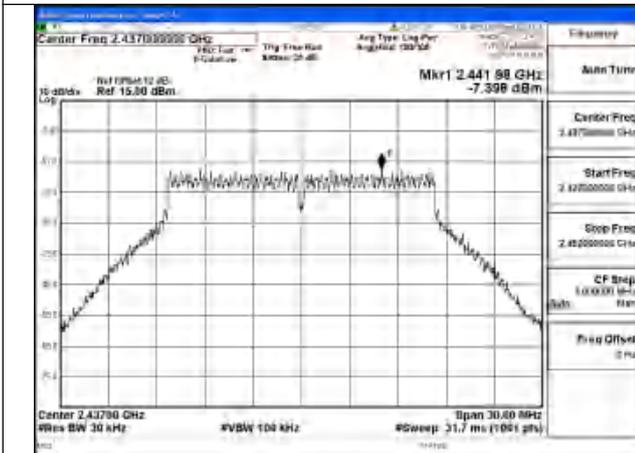
Mode:802.11g Frequency:2437MHz Ant:Chain0



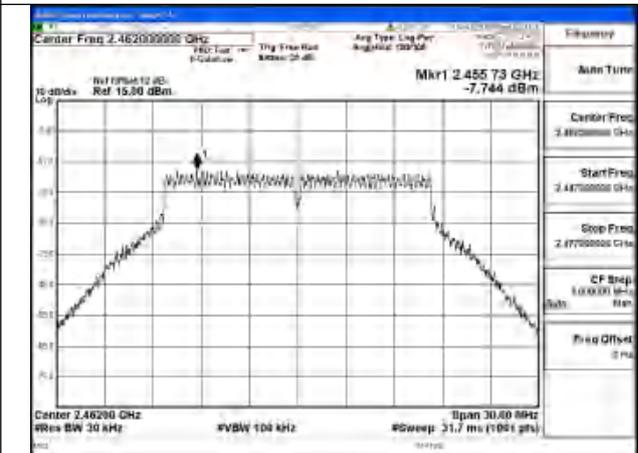
Mode:802.11g Frequency:2462MHz Ant:Chain0



Mode:802.11g Frequency:2412MHz Ant:Chain1

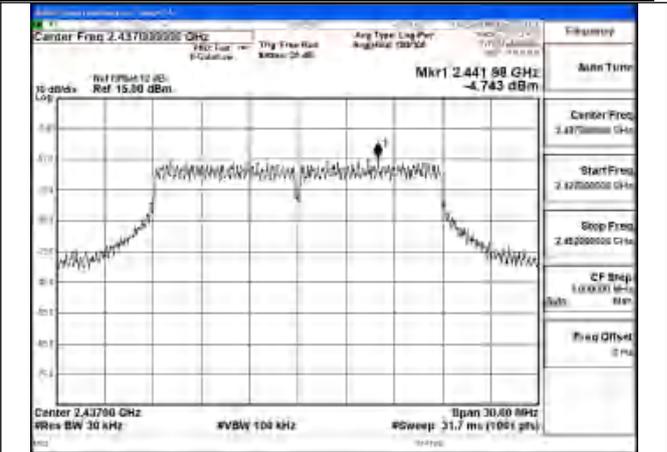
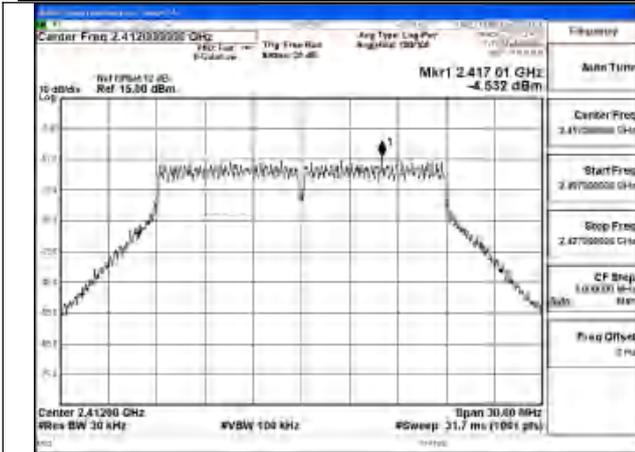


Mode:802.11g Frequency:2437MHz Ant:Chain1



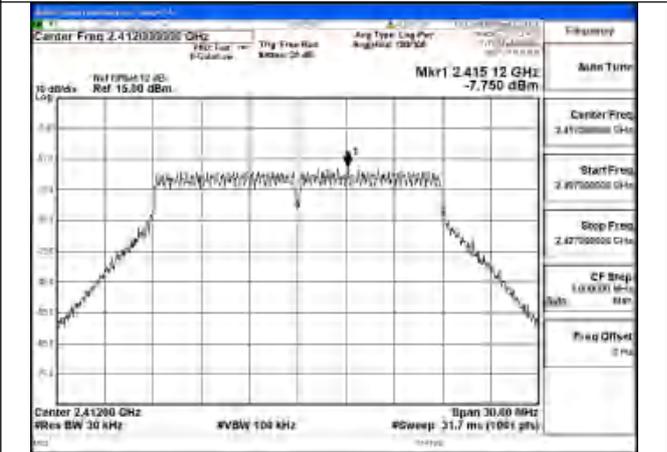
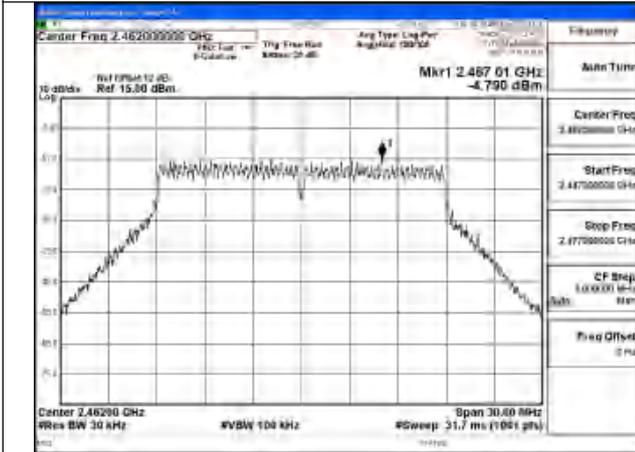
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Test Mode: 802.11n HT20



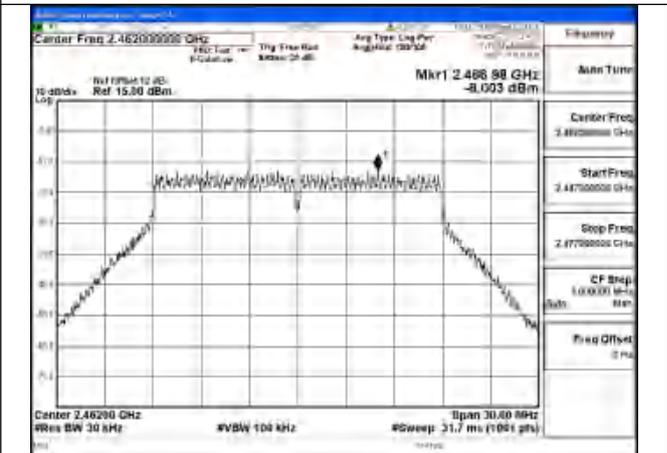
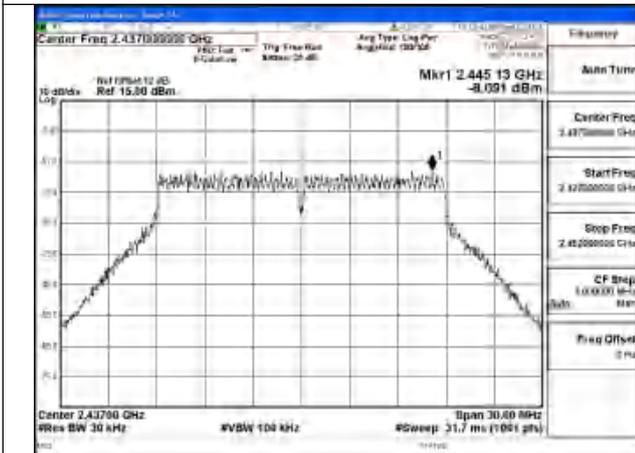
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0

Mode:802.11n HT20 Frequency:2437MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

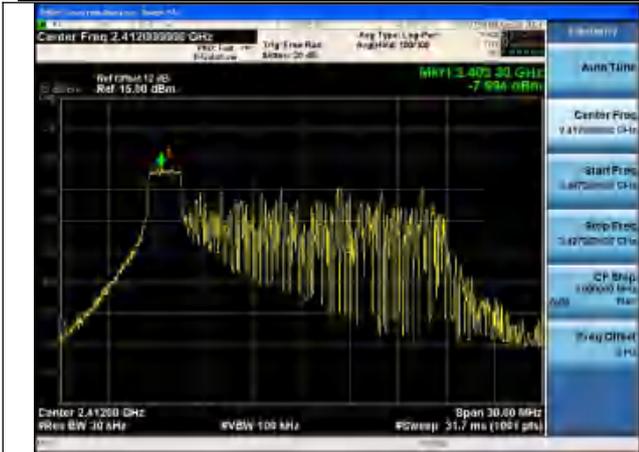
Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1



Mode:802.11n HT20 Frequency:2437MHz Ant:Chain1

Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

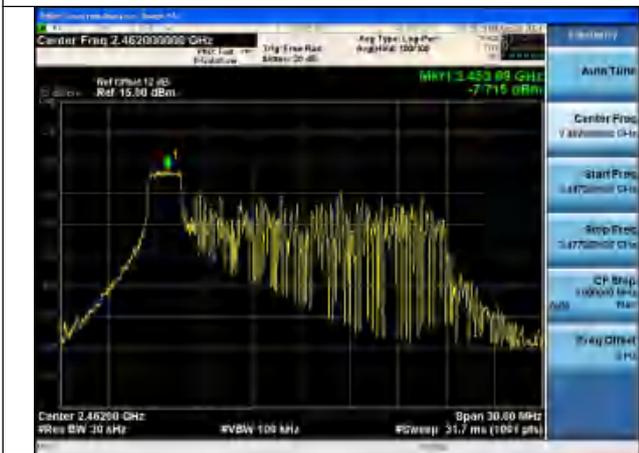
Test Mode: 802.11ax HE20



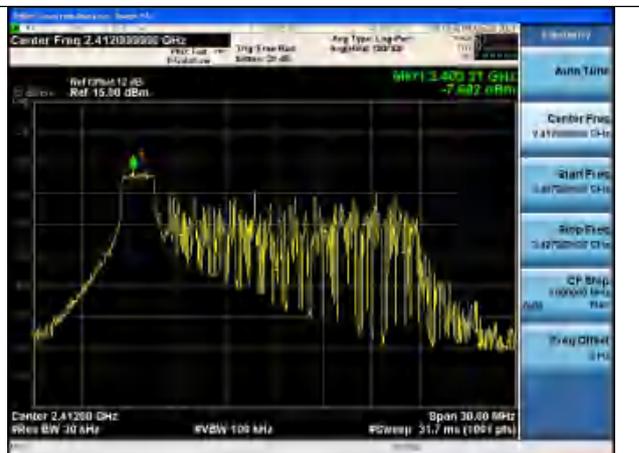
Mode:802.11ax HE20 Tone:26T Frequency:2412MHz  
 Ant:Chain0



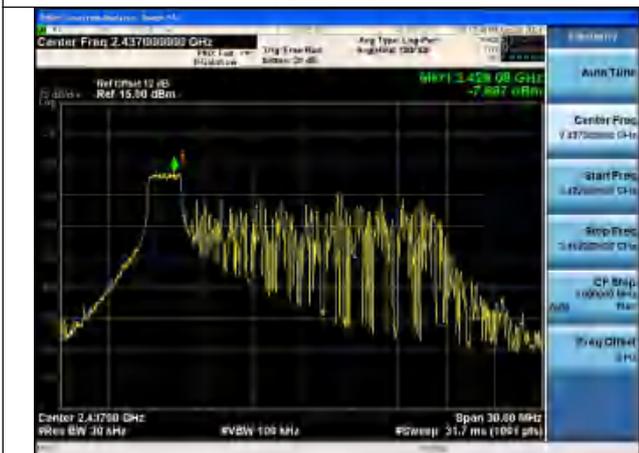
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 Ant:Chain0



Mode:802.11ax HE20 Tone:26T Frequency:2462MHz  
 Ant:Chain0



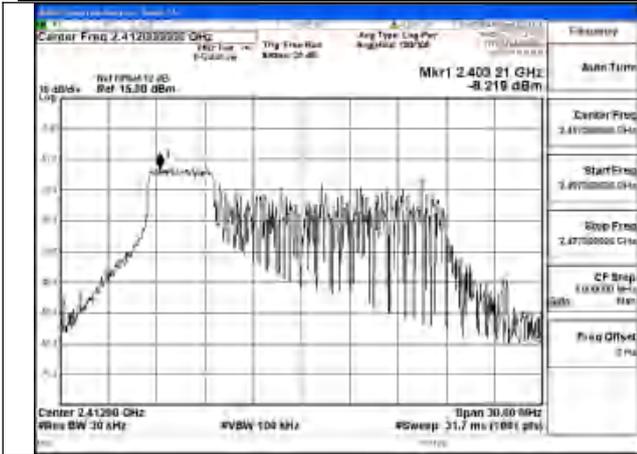
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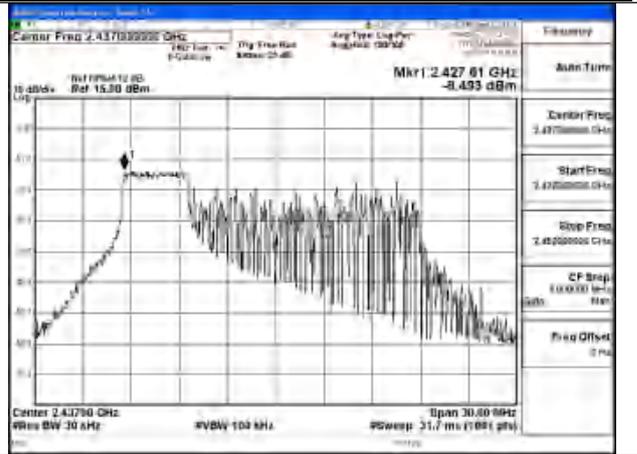
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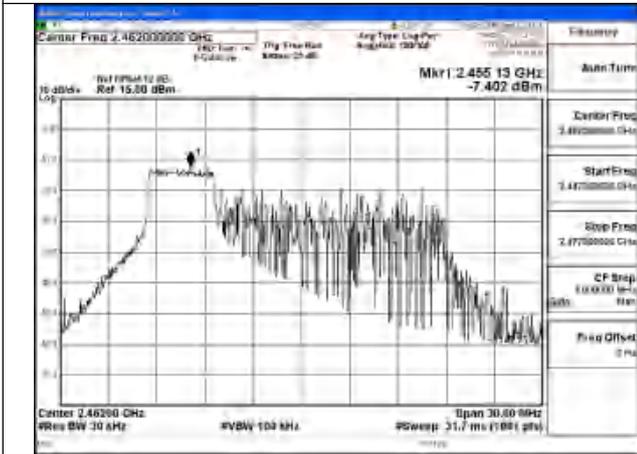
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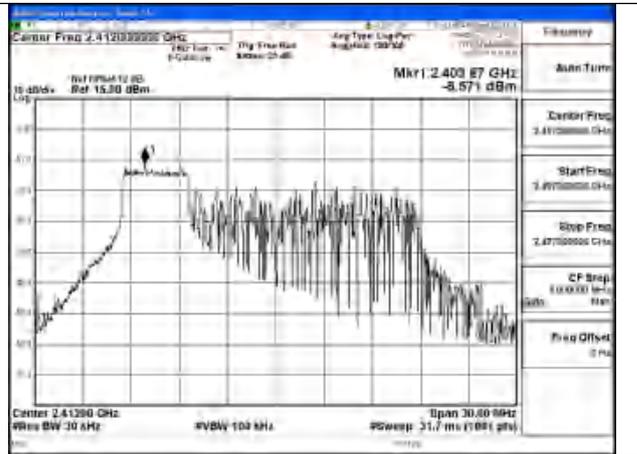
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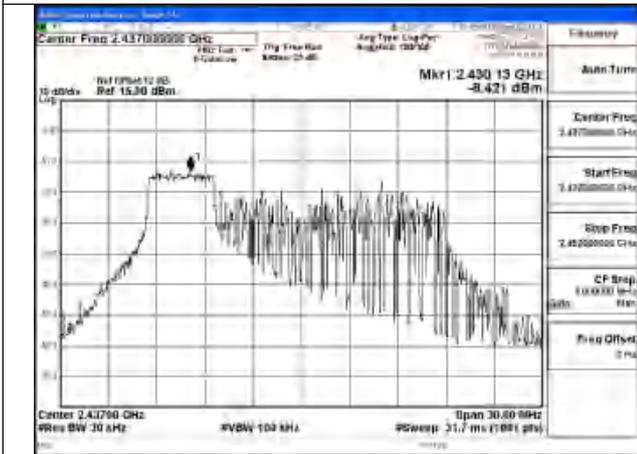
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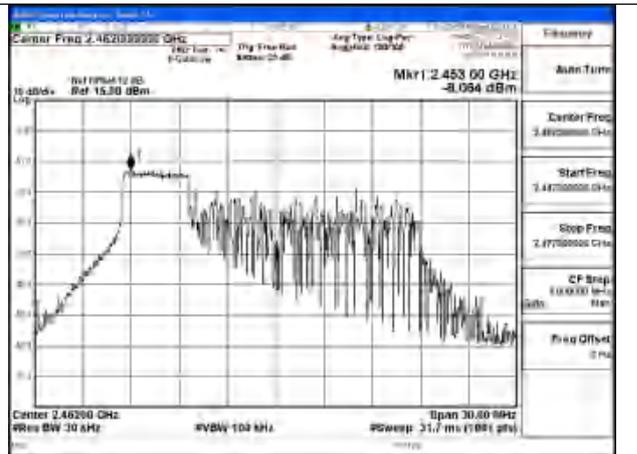
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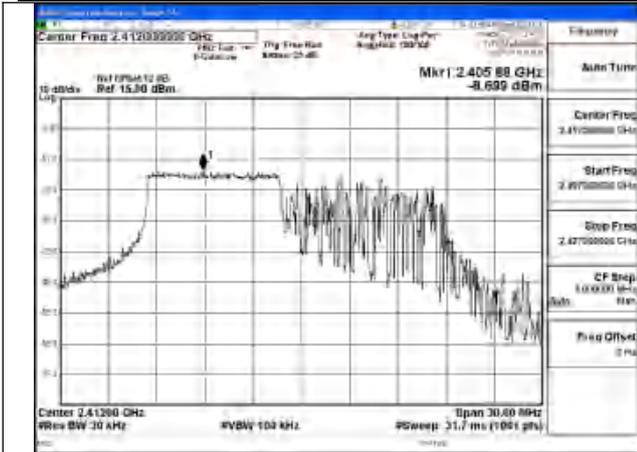
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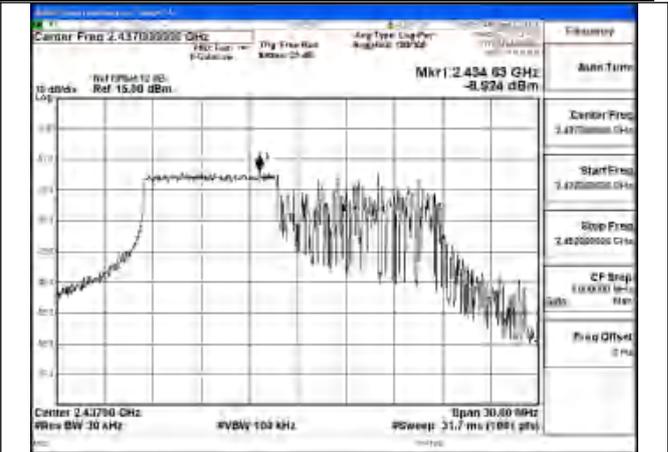
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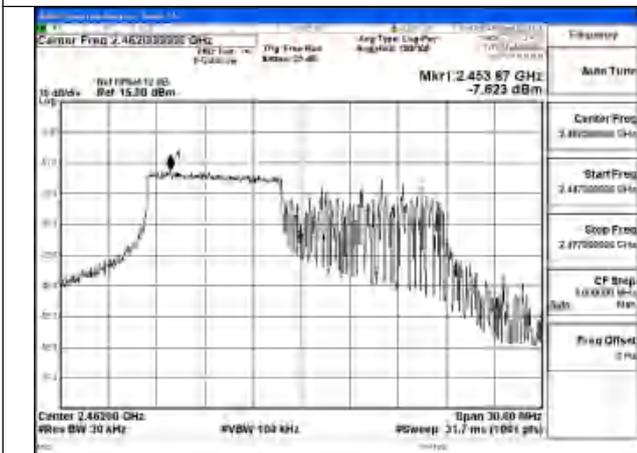
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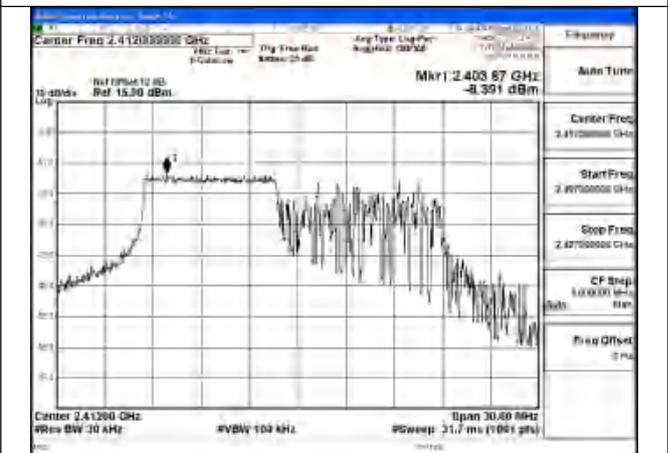
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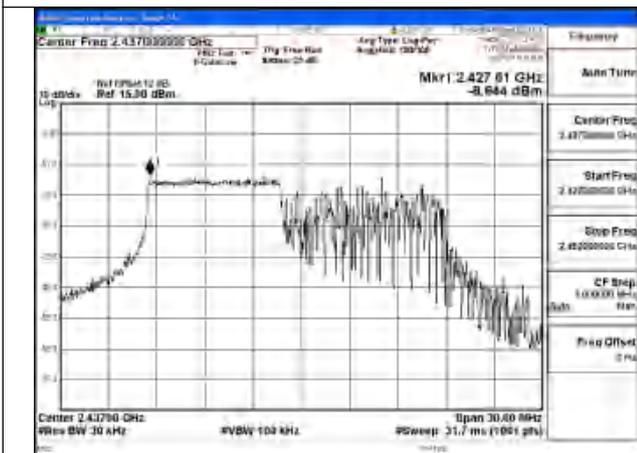
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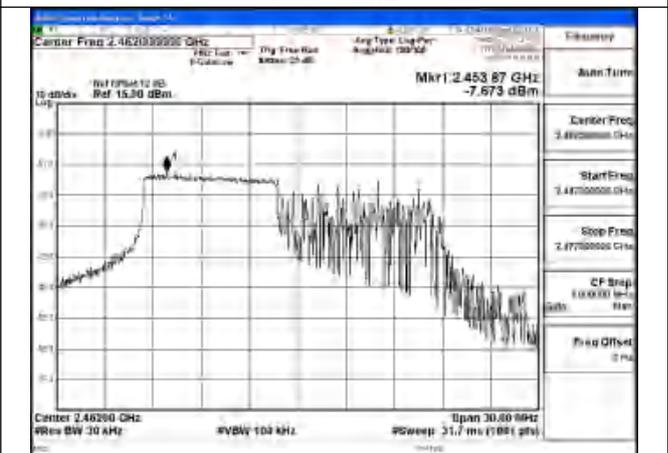
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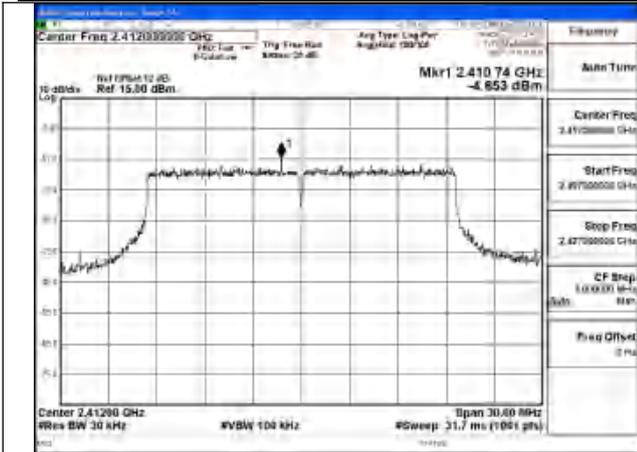
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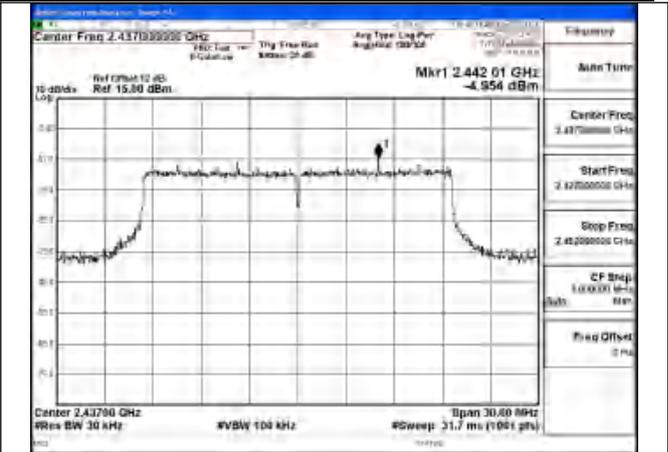
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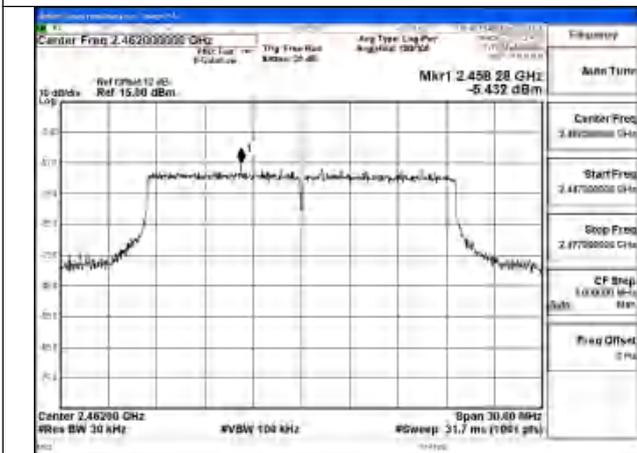
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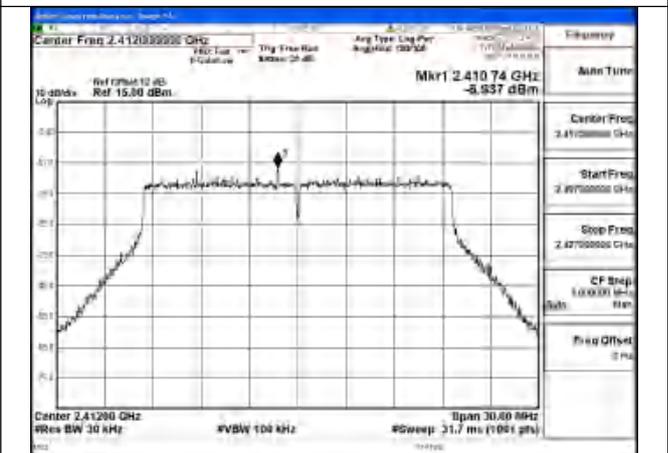
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Ant:Chain0



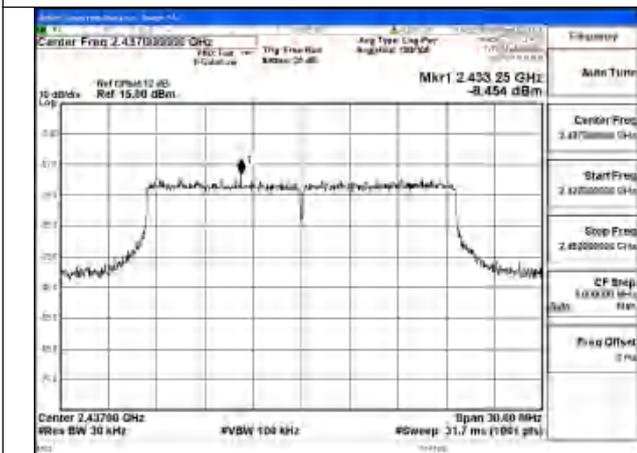
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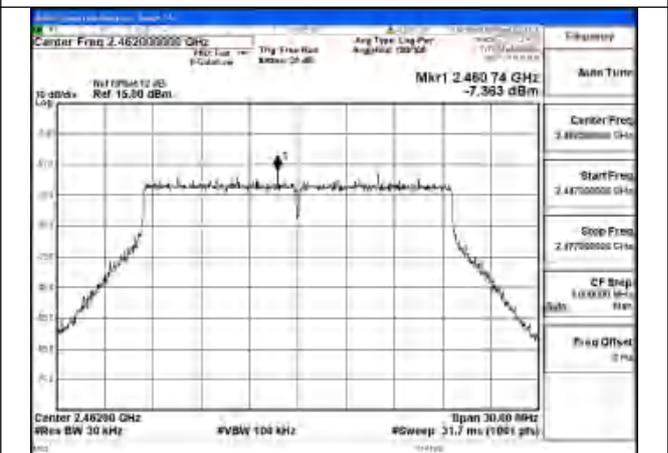
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Mode:802.11ax HE20 Tone:242T Frequency:2412MHz  
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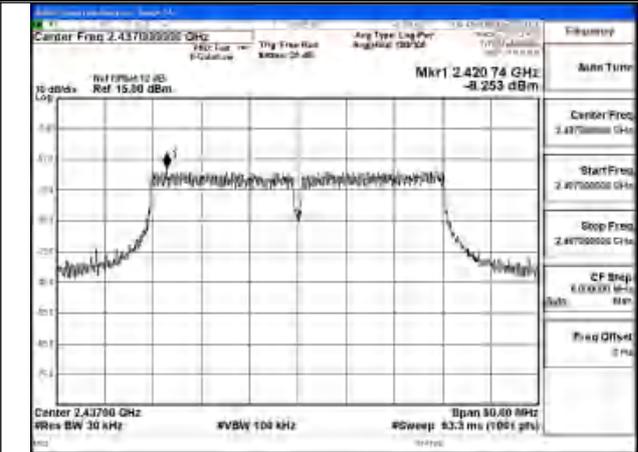
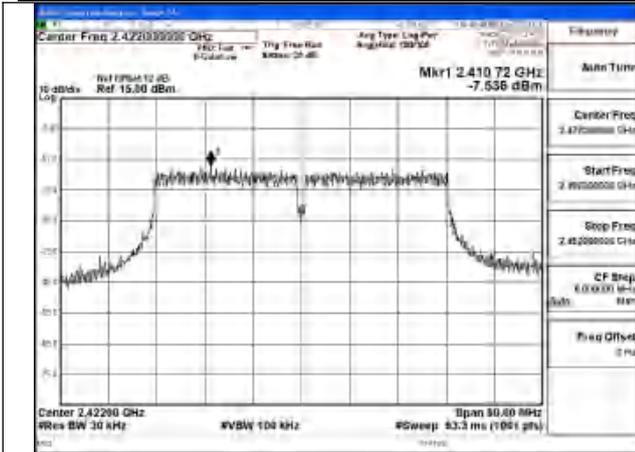


Mode:802.11ax HE20 Tone:242T Frequency:2437MHz  
Ant:Chain1



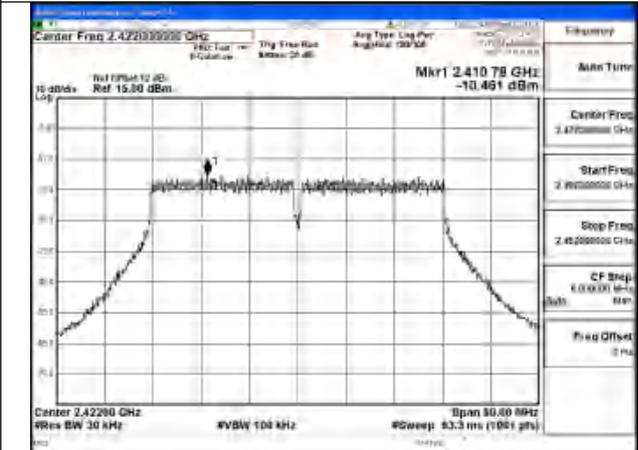
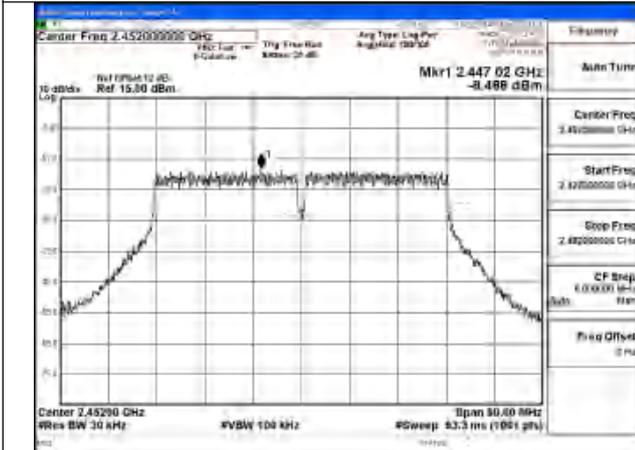
Mode:802.11ax HE20 Tone:242T Frequency:2462MHz  
Ant:Chain1

Test Mode: 802.11n HT40



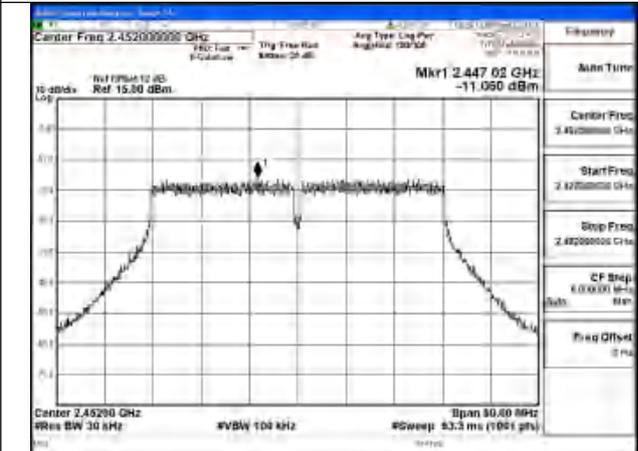
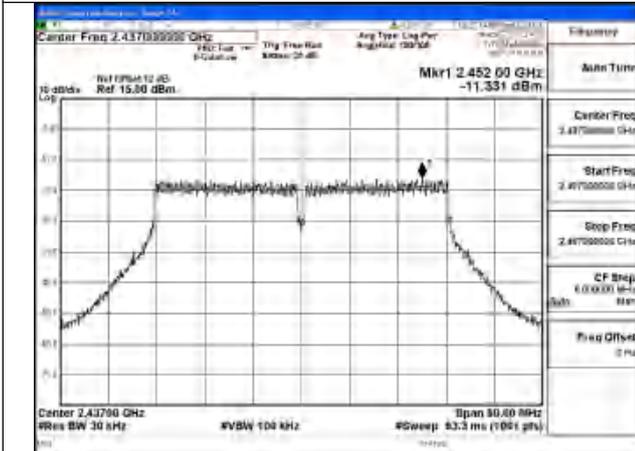
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

Mode:802.11n HT40 Frequency:2437MHz Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

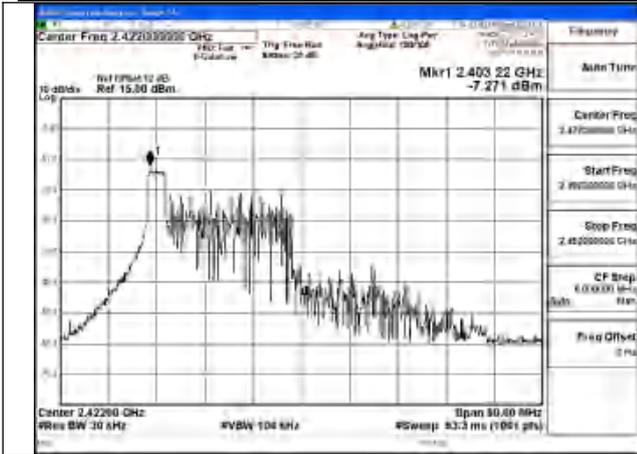
Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1



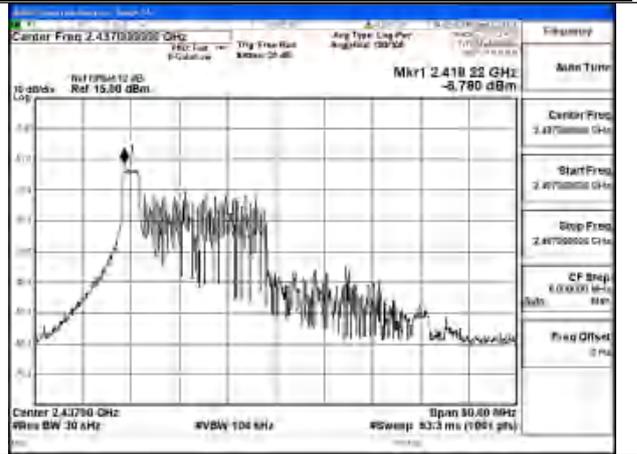
Mode:802.11n HT40 Frequency:2437MHz Ant:Chain1

Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

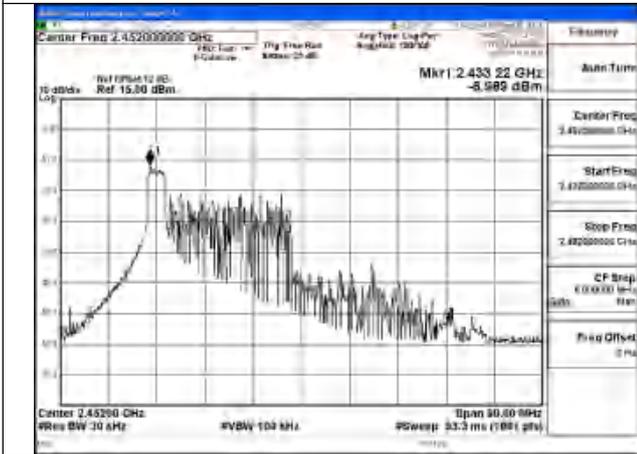
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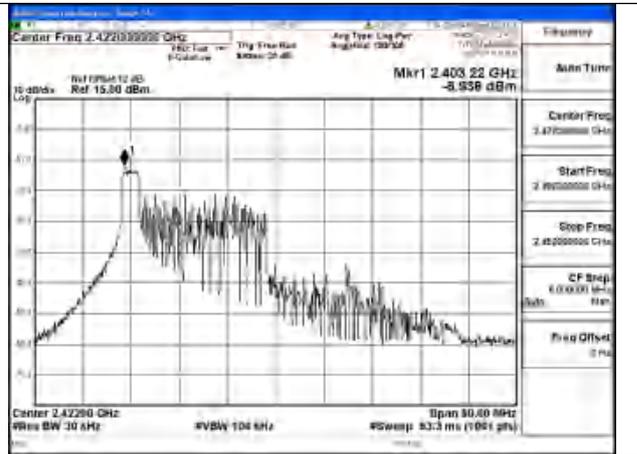
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Ant:Chain0



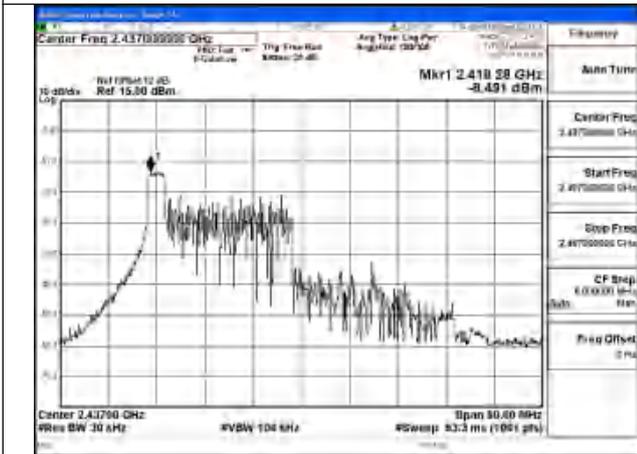
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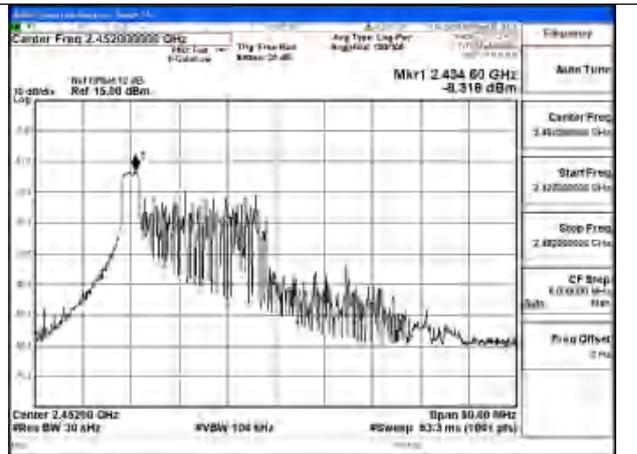
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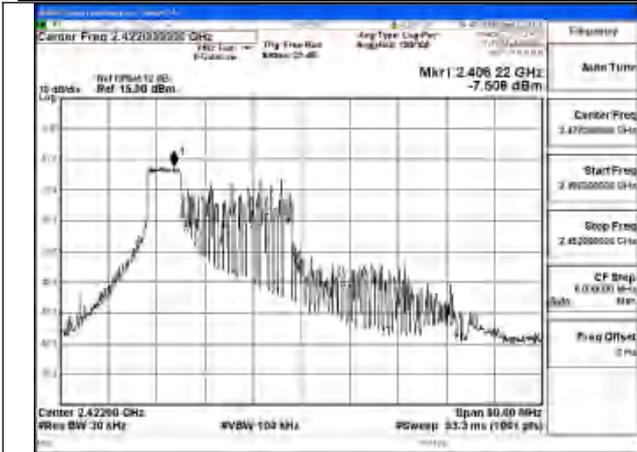
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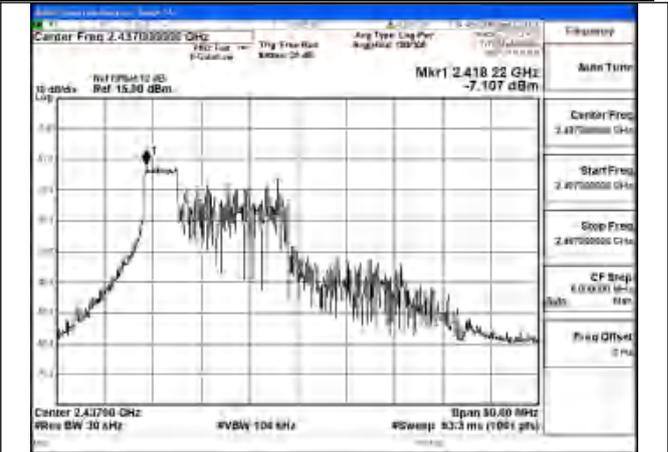
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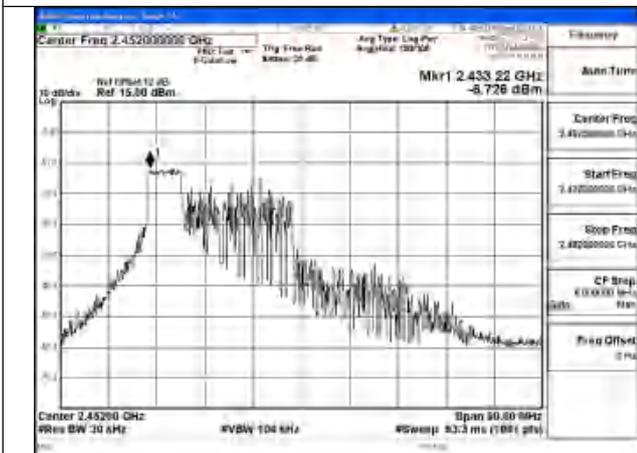
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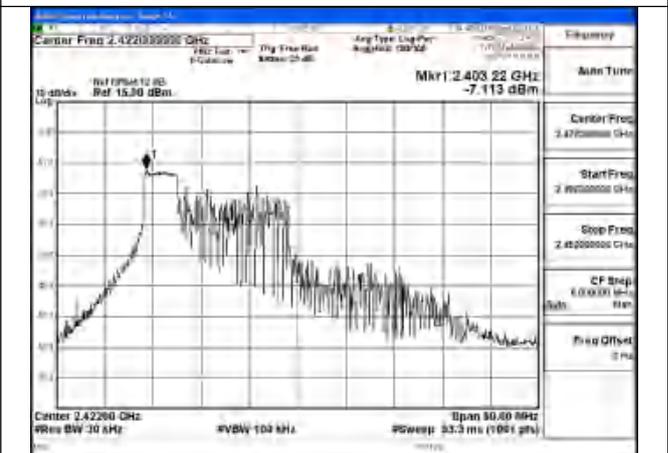
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Ant:Chain0



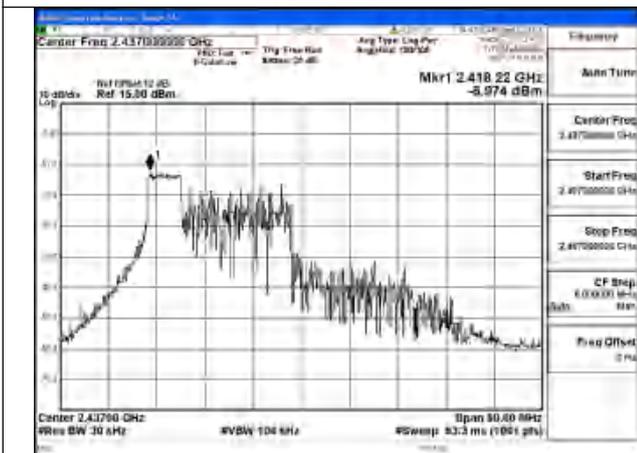
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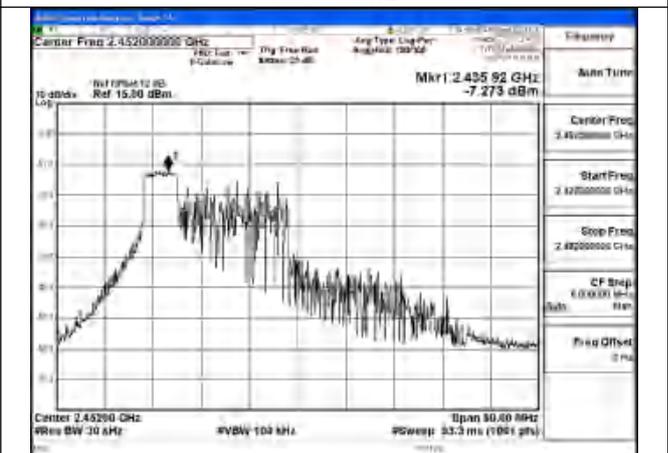
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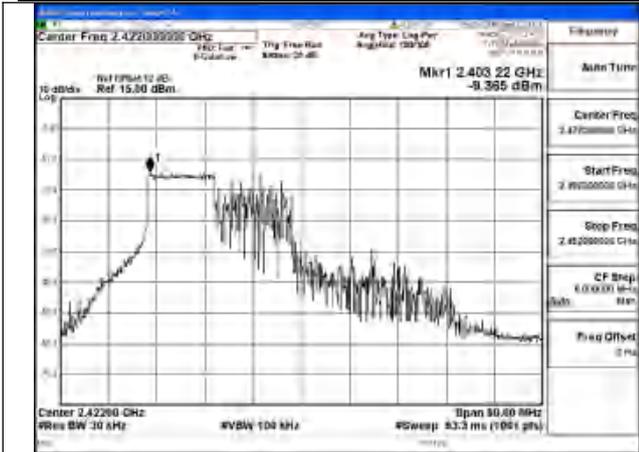
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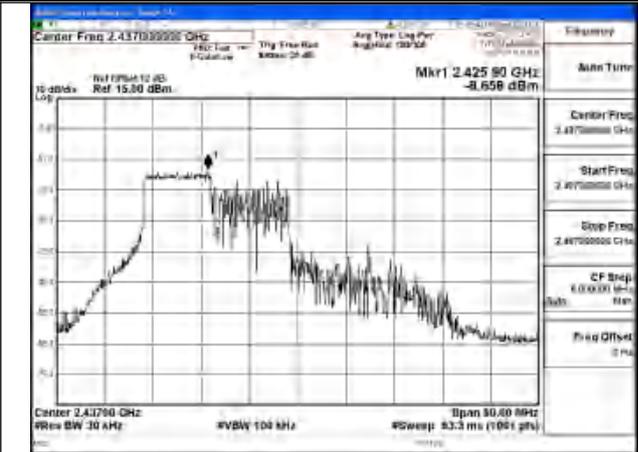
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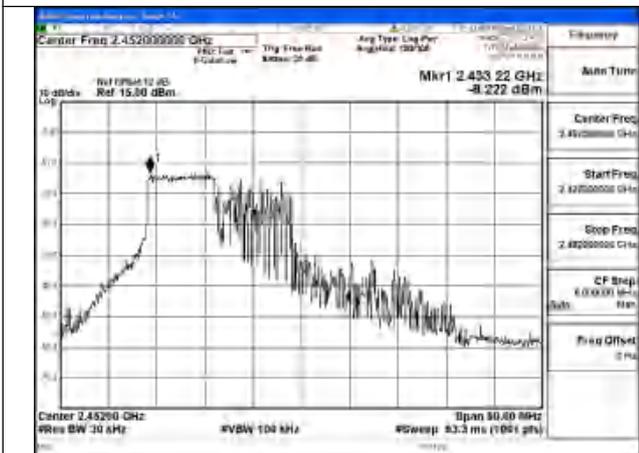
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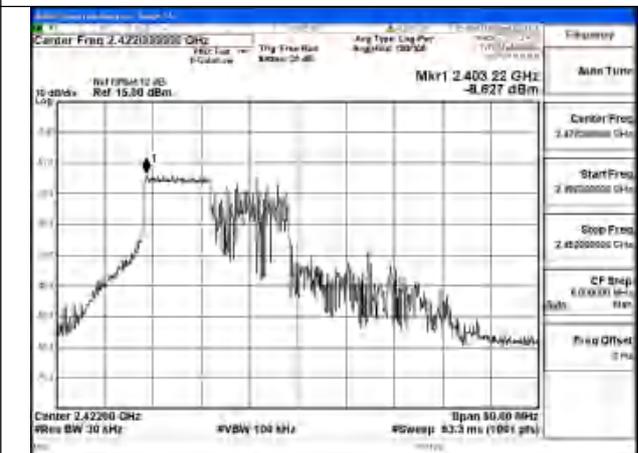
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Ant:Chain0



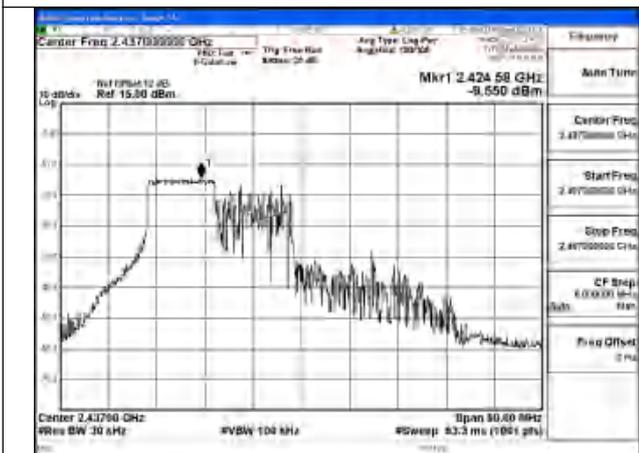
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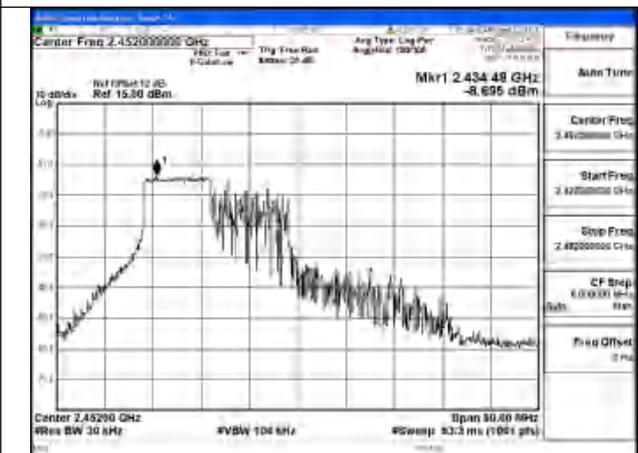
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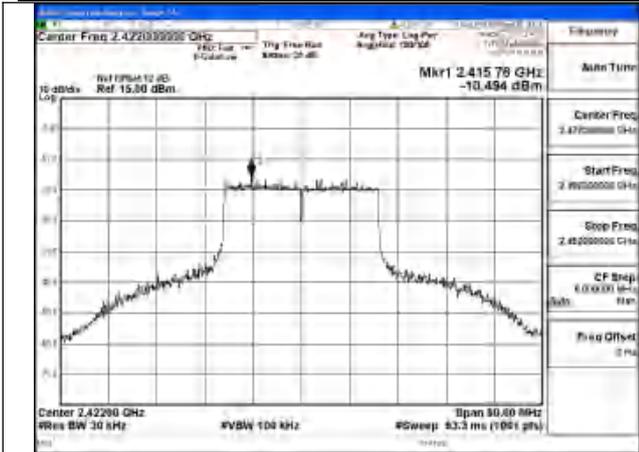
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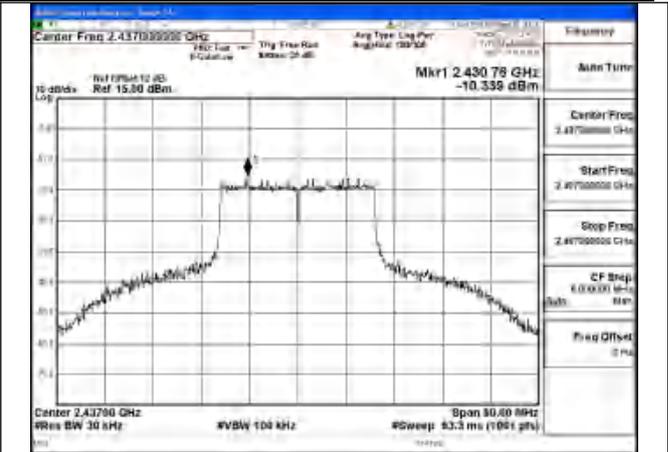
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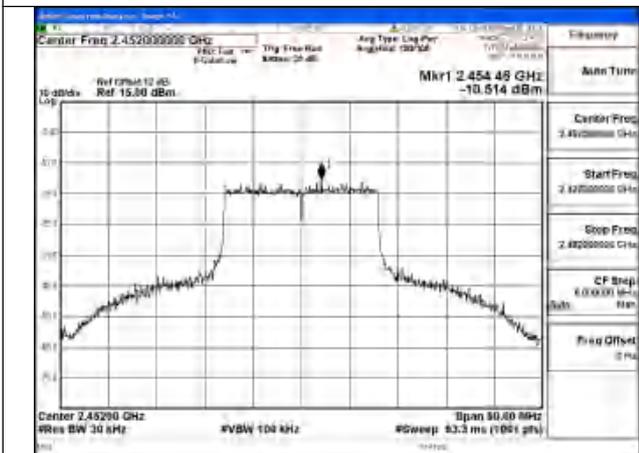
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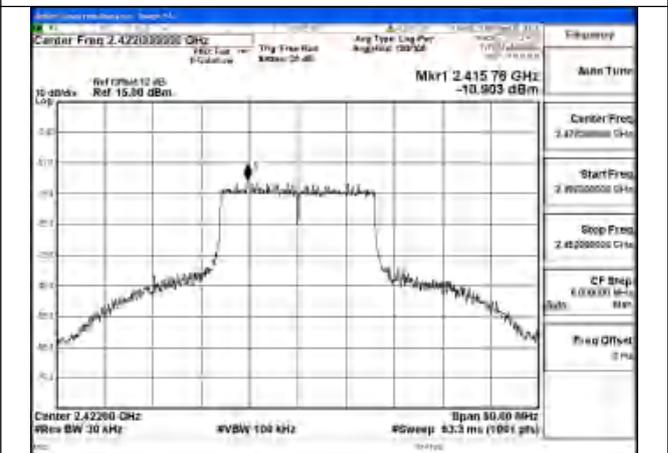
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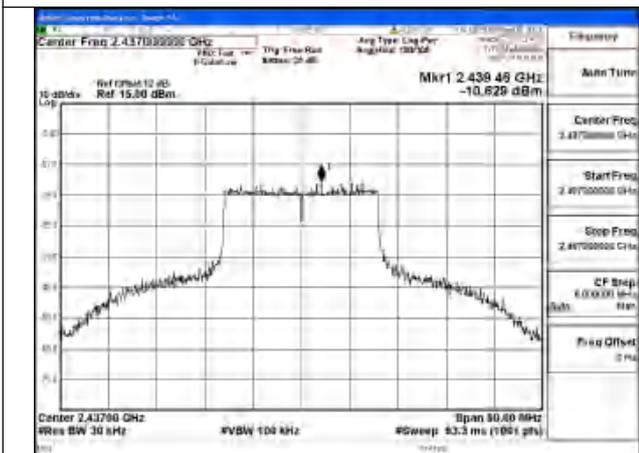
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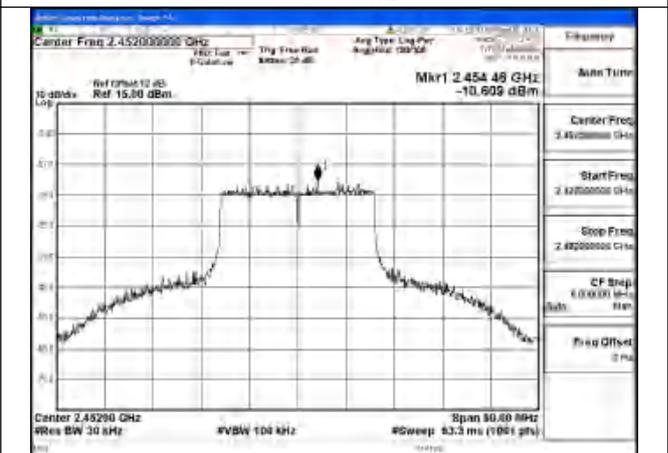
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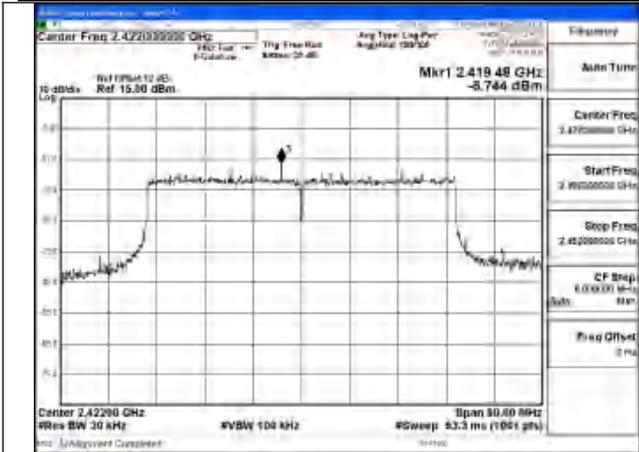
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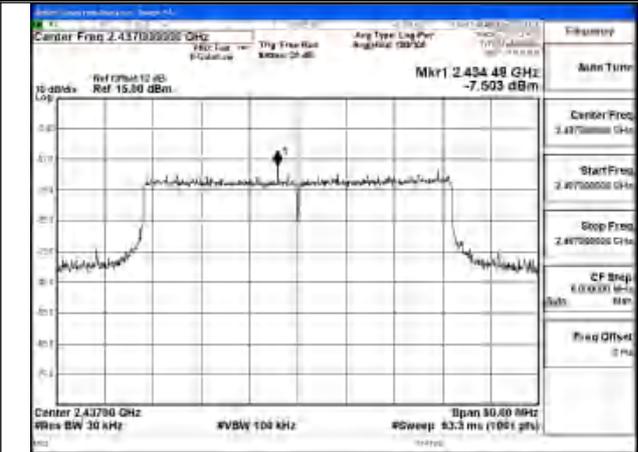
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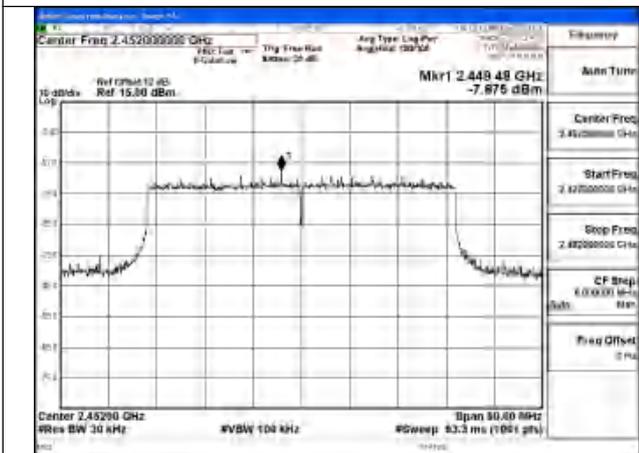
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Ant:Chain1



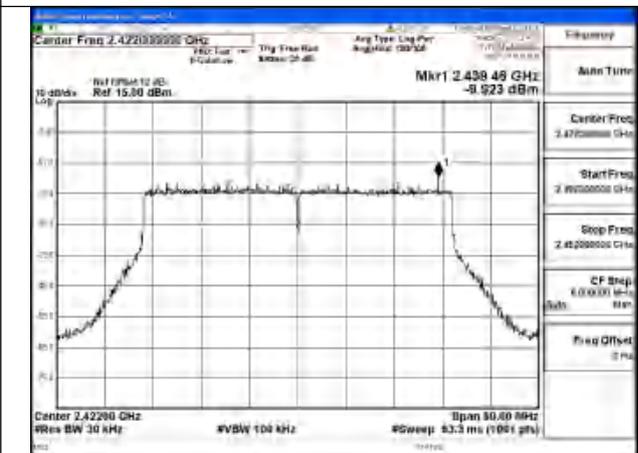
Mode:802.11ax HE40 Tone:484T Frequency:2422MHz  
Ant:Chain0



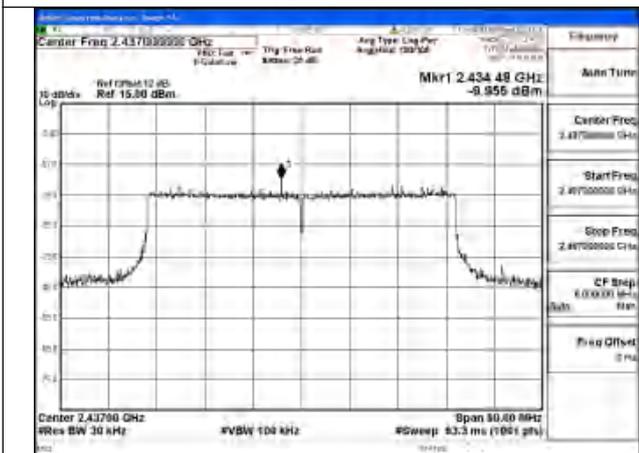
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Ant:Chain0



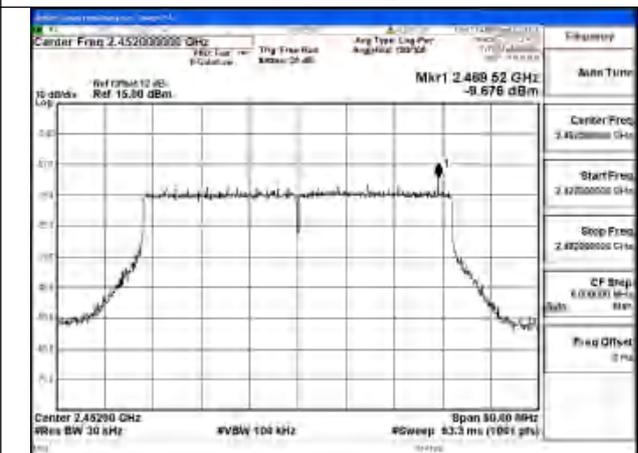
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Ant:Chain0



Mode:802.11ax HE40 Tone:484T Frequency:2422MHz  
Ant:Chain1



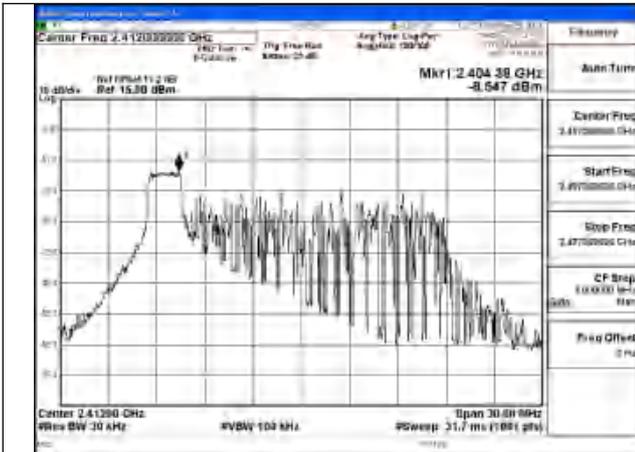
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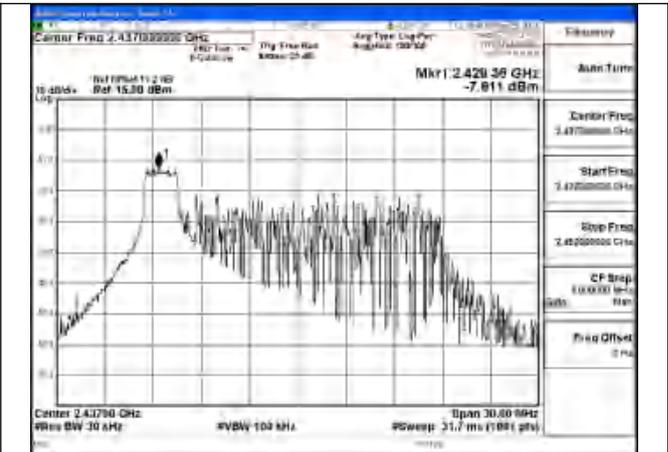
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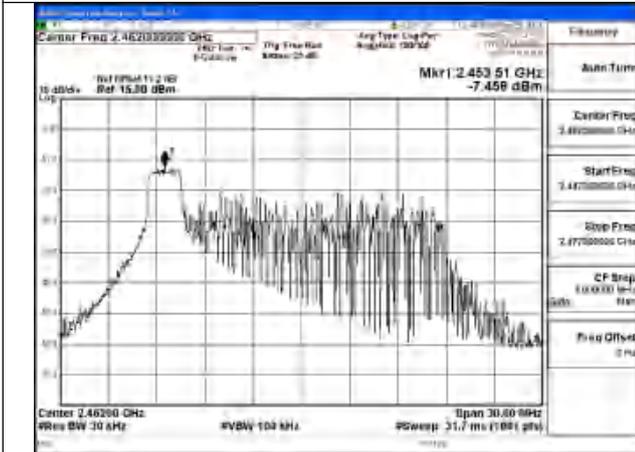
Test Mode: 802.11be EHT20



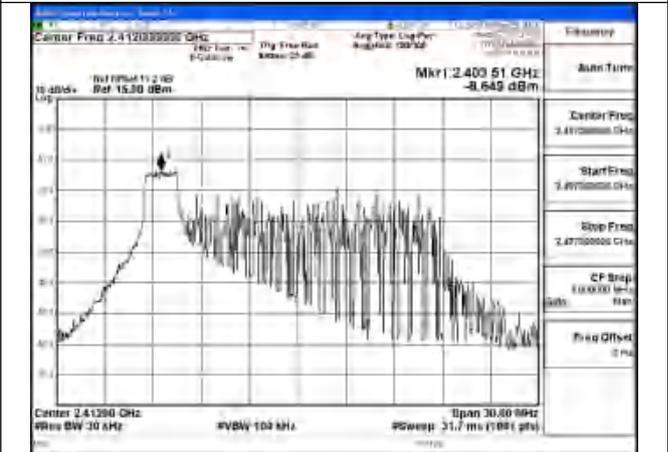
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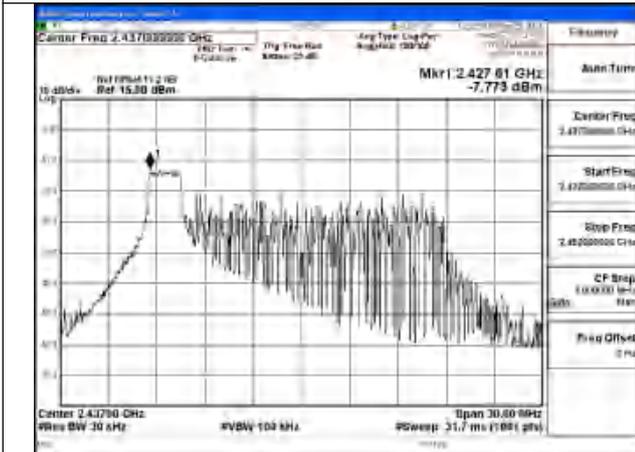
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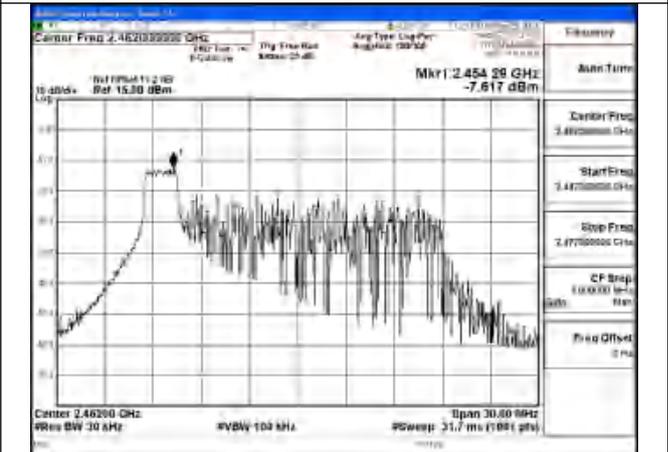
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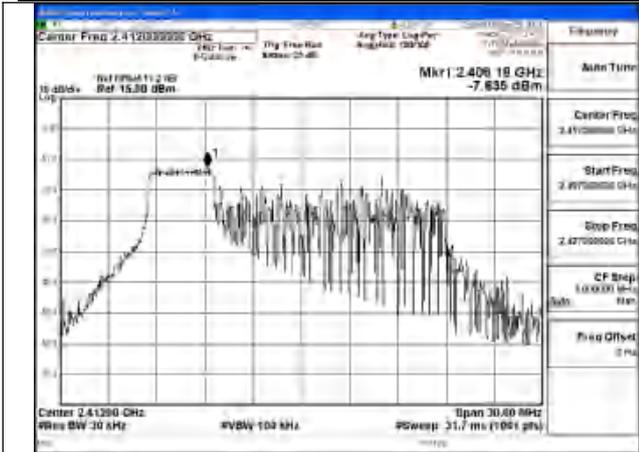
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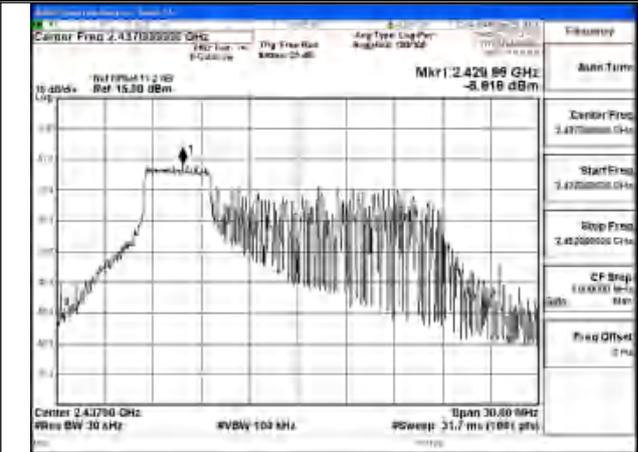
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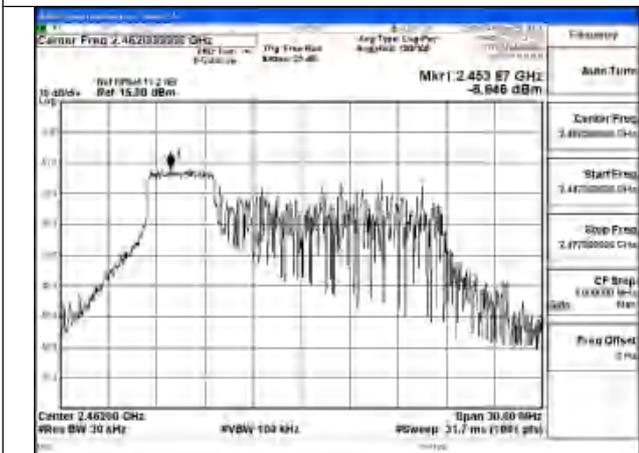
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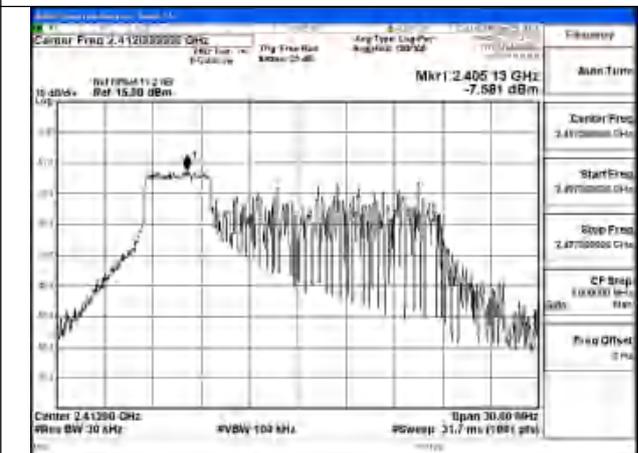
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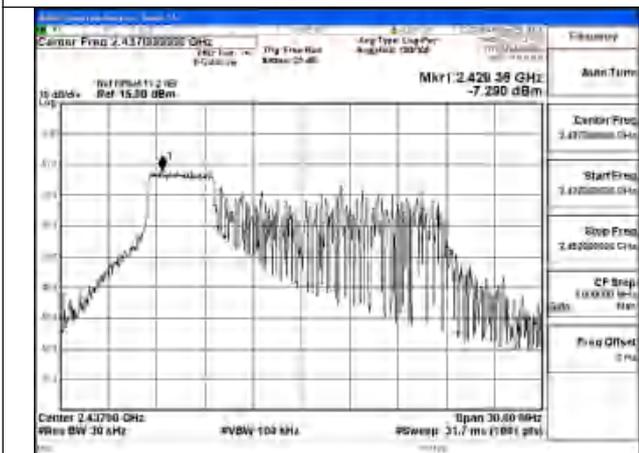
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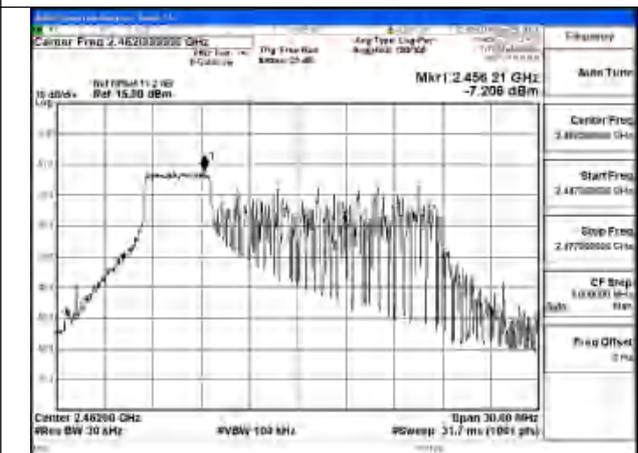
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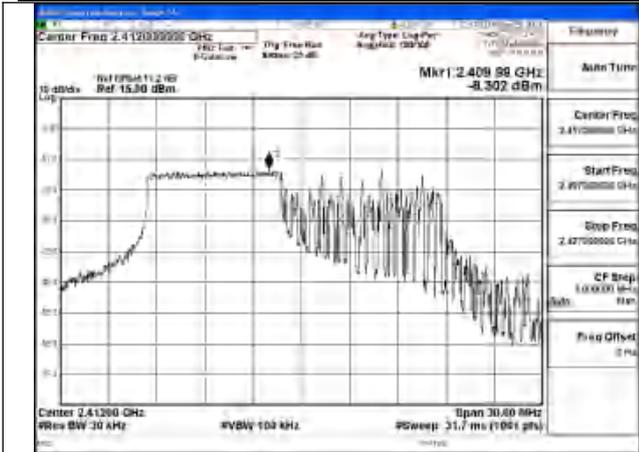
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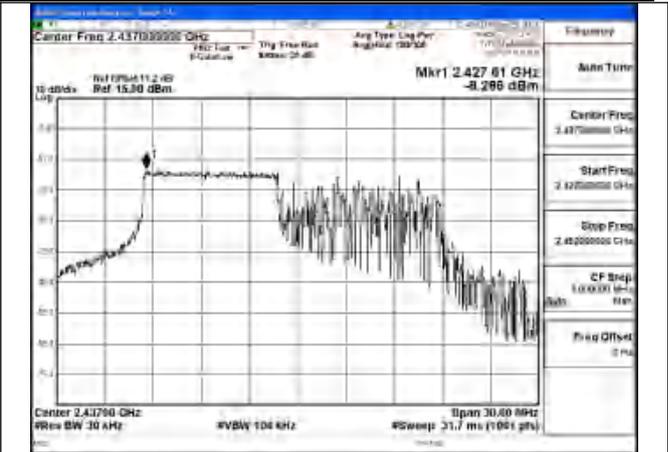
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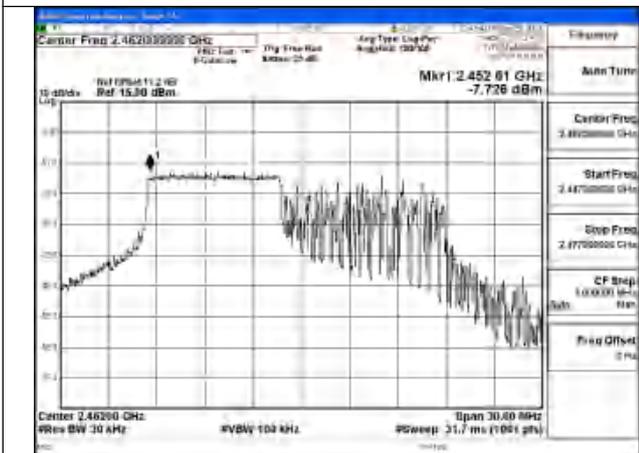
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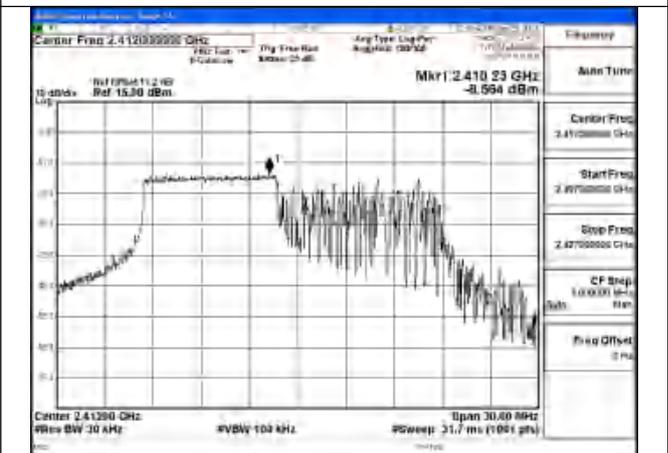
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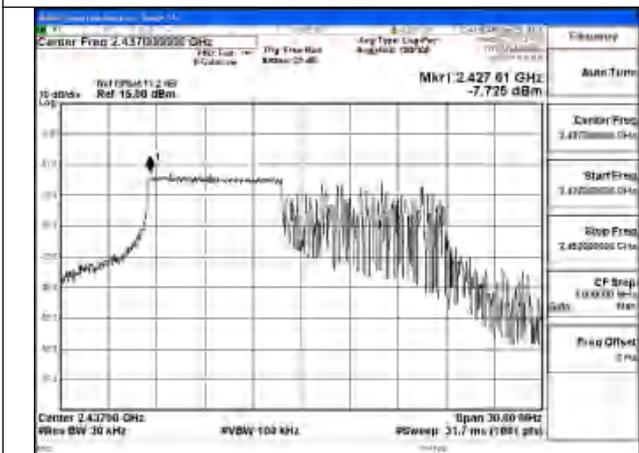
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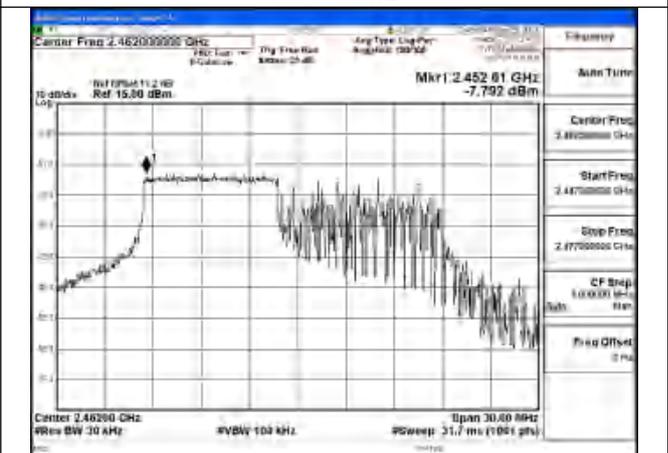
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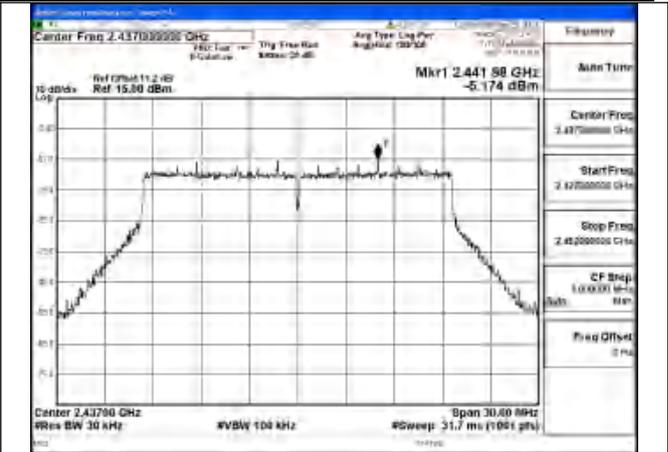
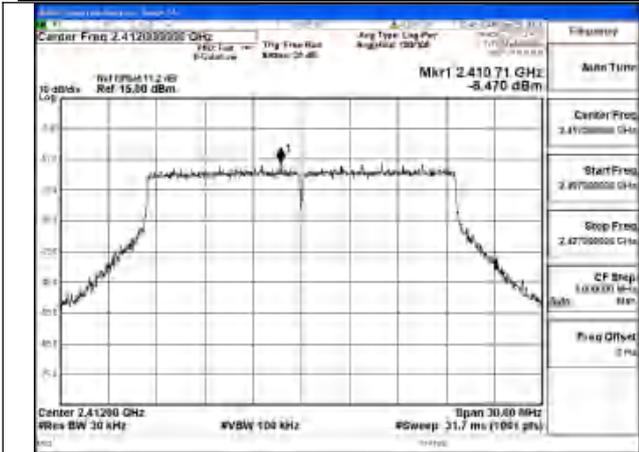
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Mode:802.11be EHT20 Tone:106T Frequency:2437MHz  
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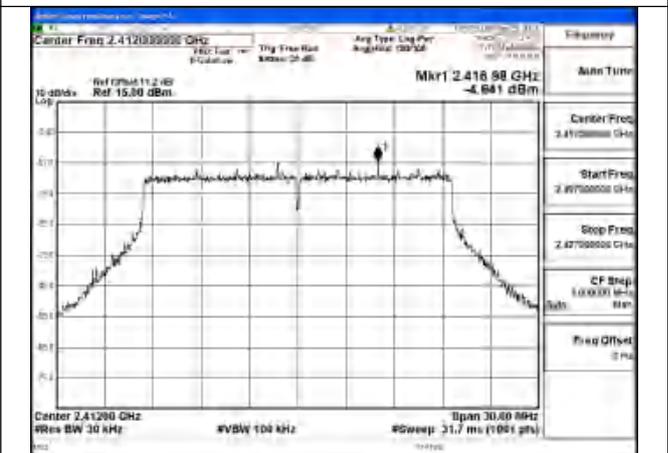
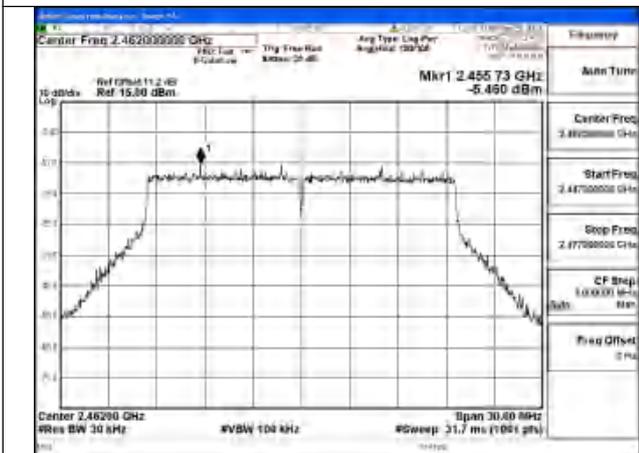


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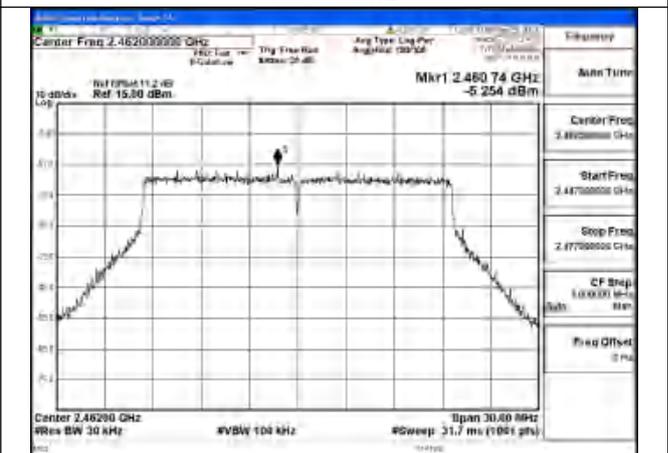
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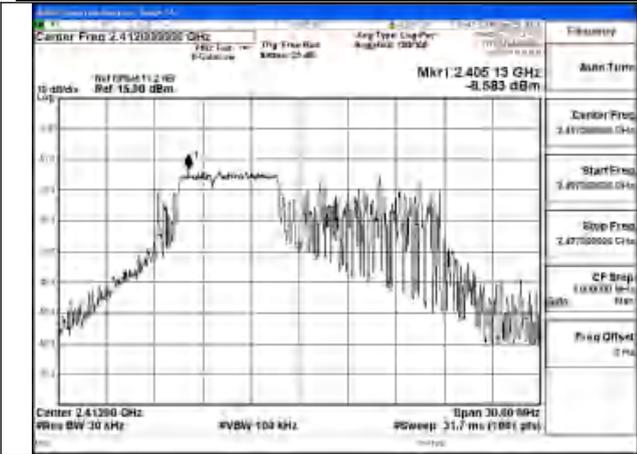
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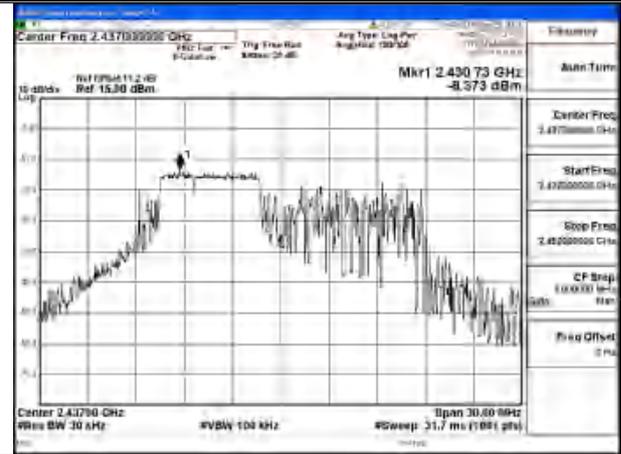


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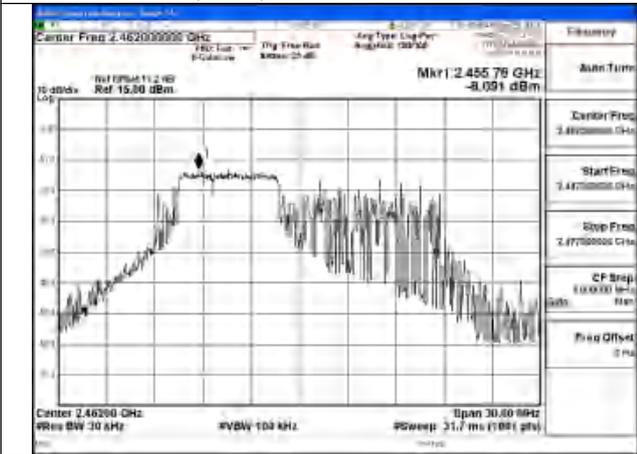
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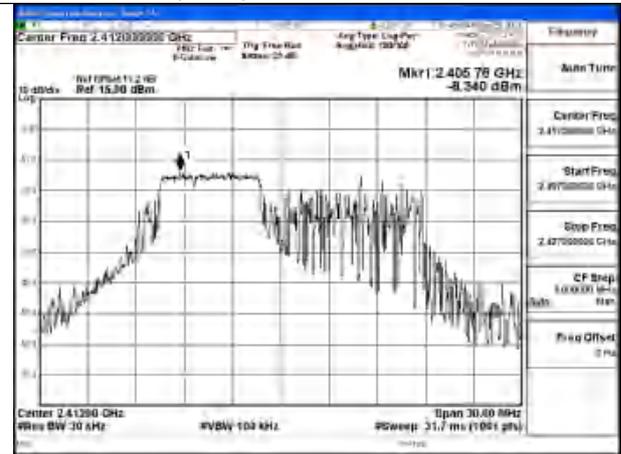
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Frequency:2412MHz Ant:Chain0



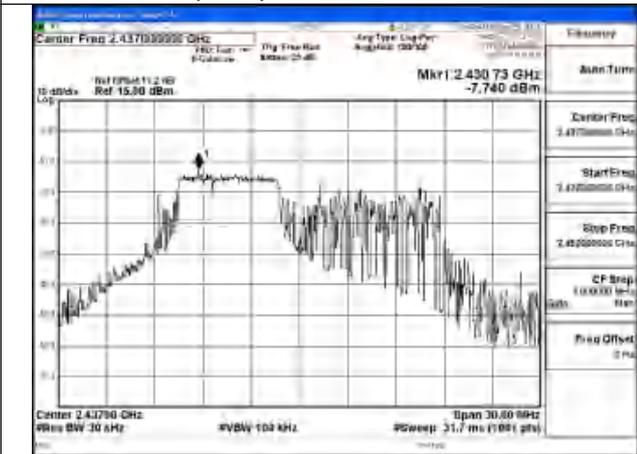
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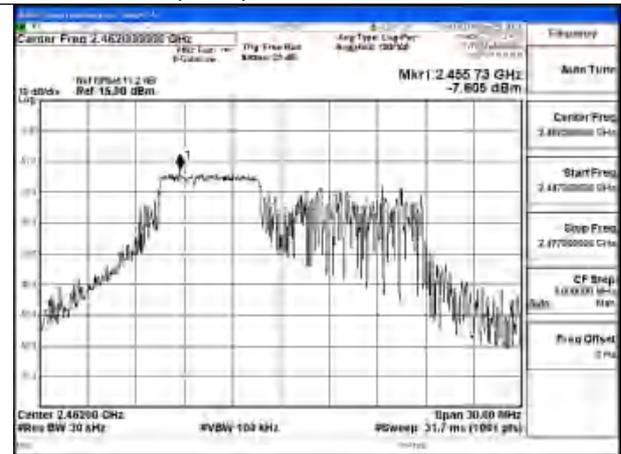
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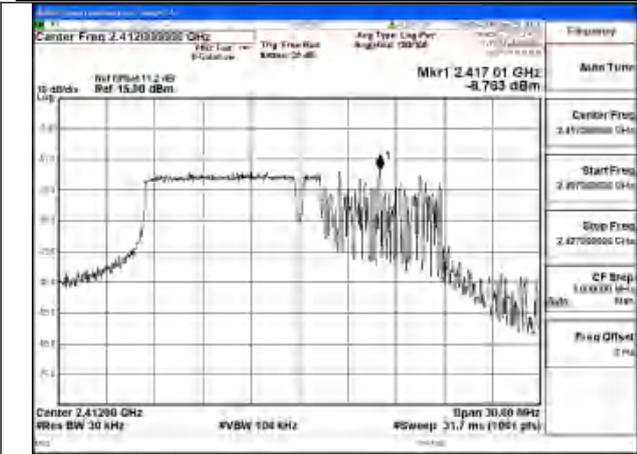
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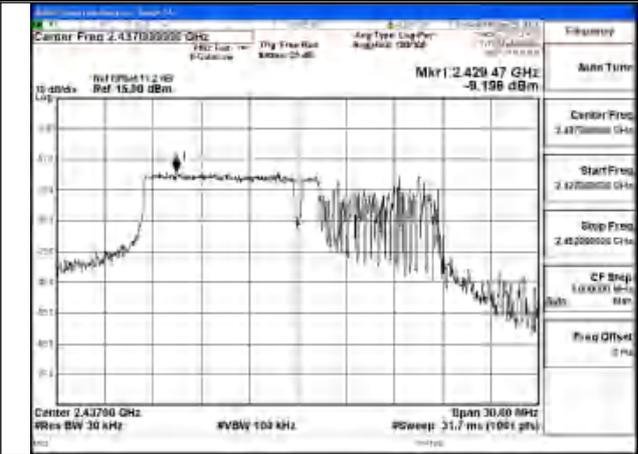
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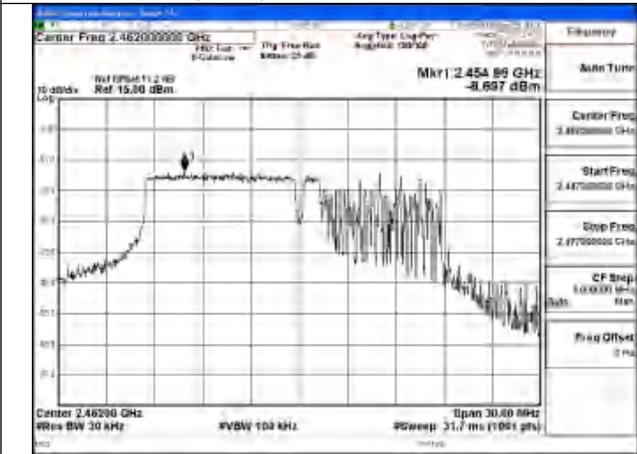
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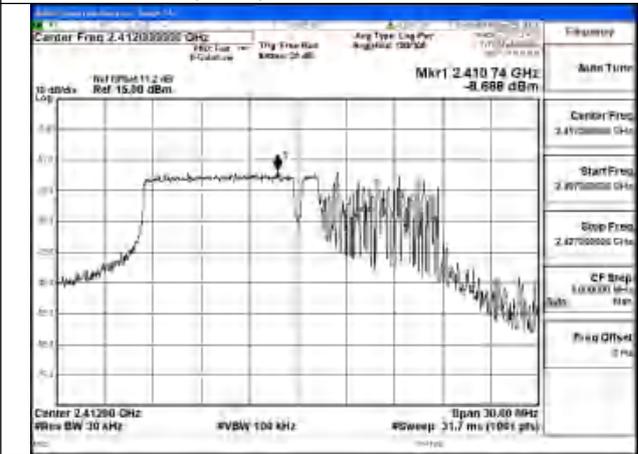
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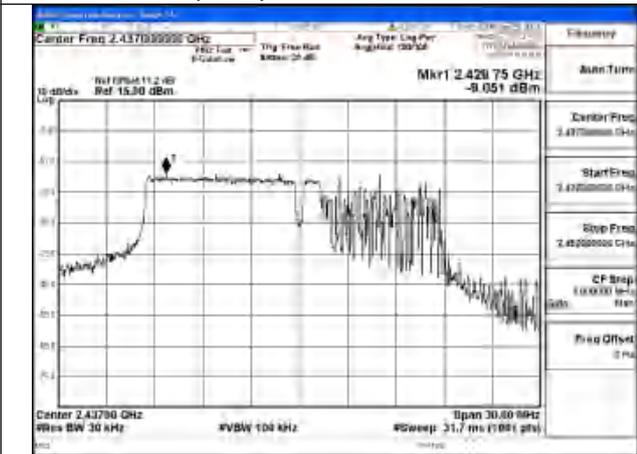
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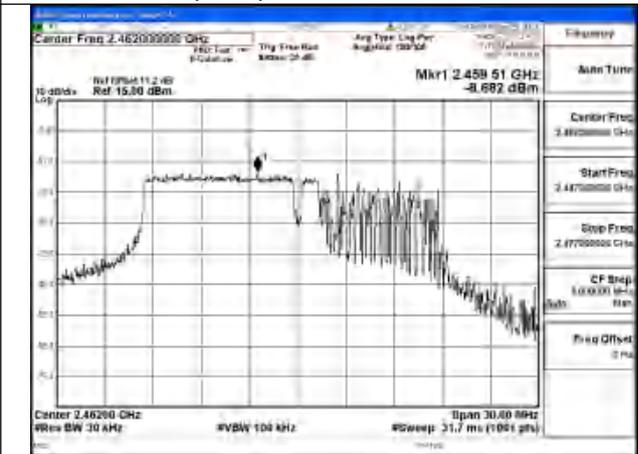
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Mode:802.11be EHT20 Tone:26+106  
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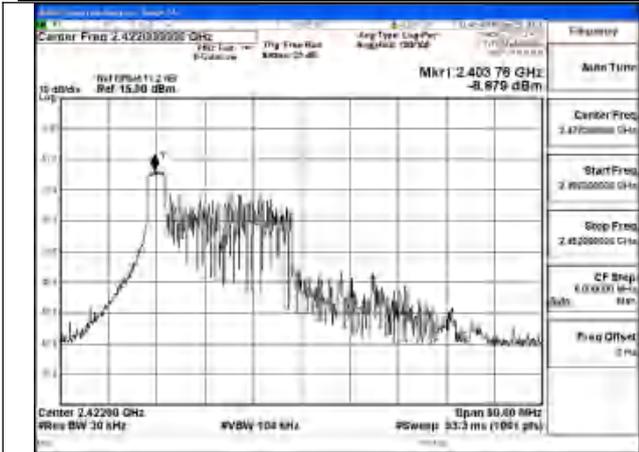


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Frequency:2437MHz Ant:Chain1

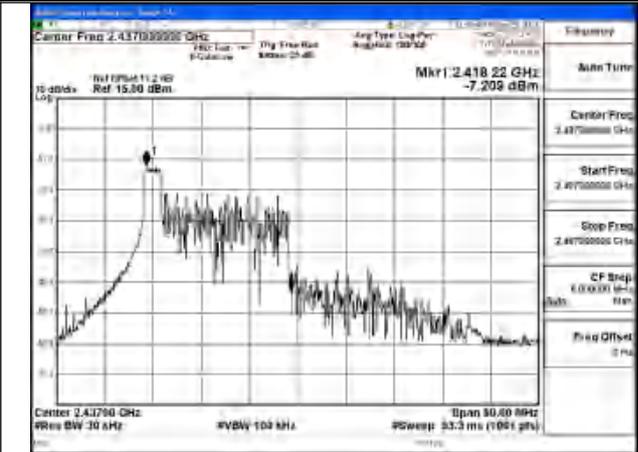


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Frequency:2462MHz Ant:Chain1

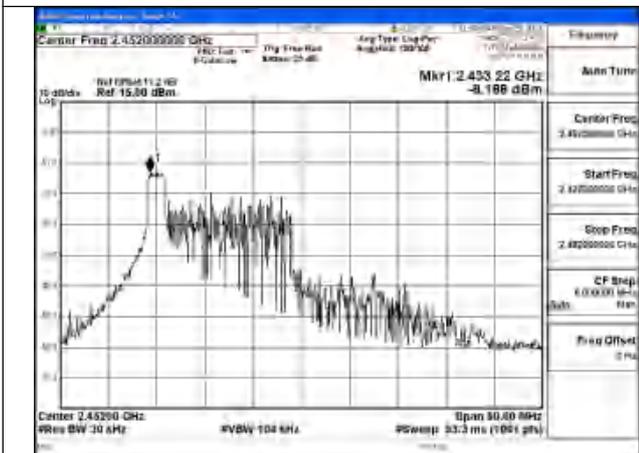
Test Mode: 802.11be EHT40



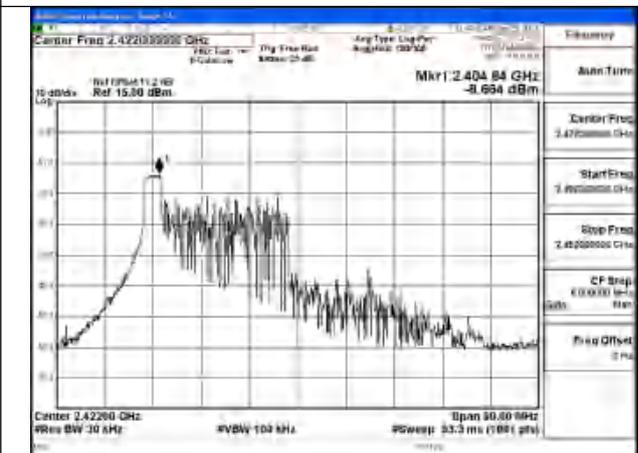
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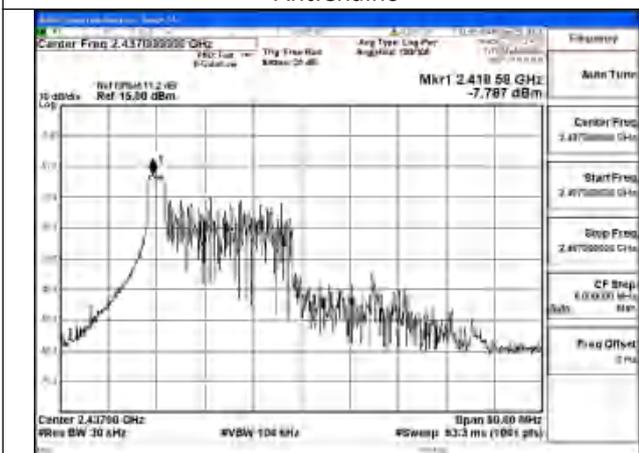
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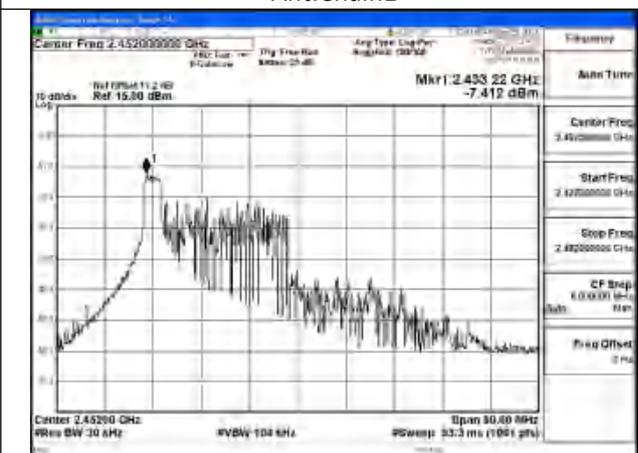
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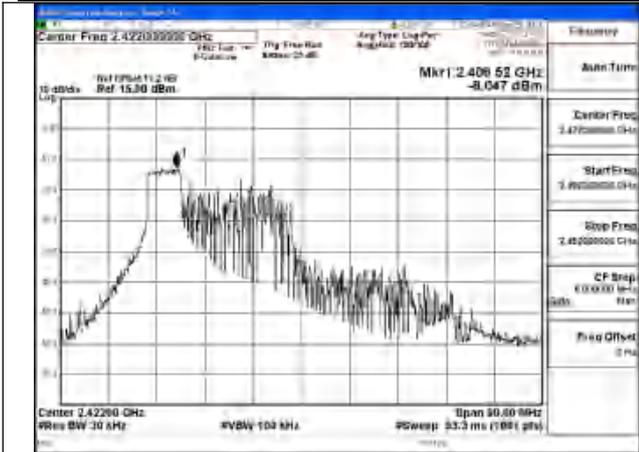
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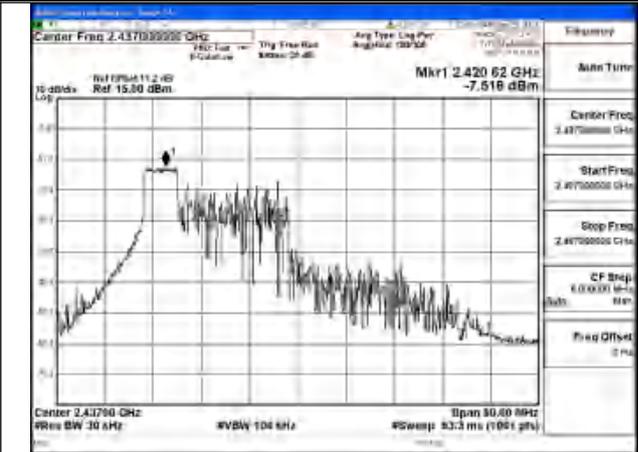
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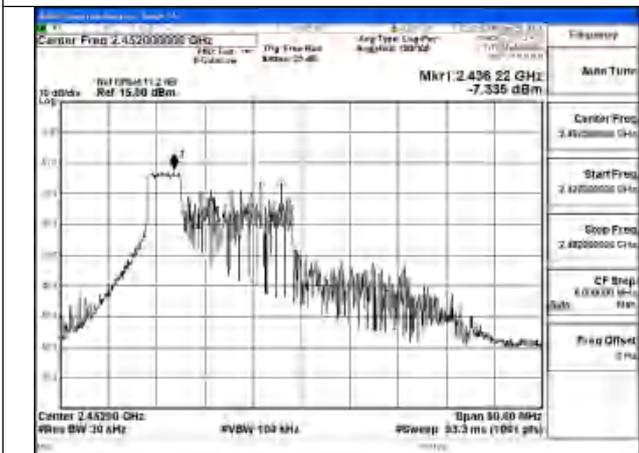
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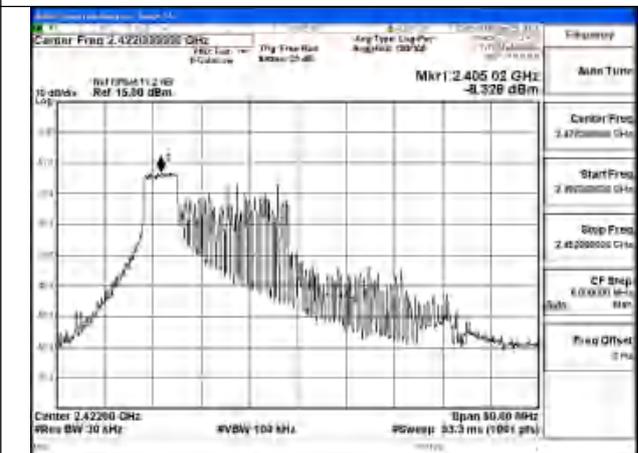
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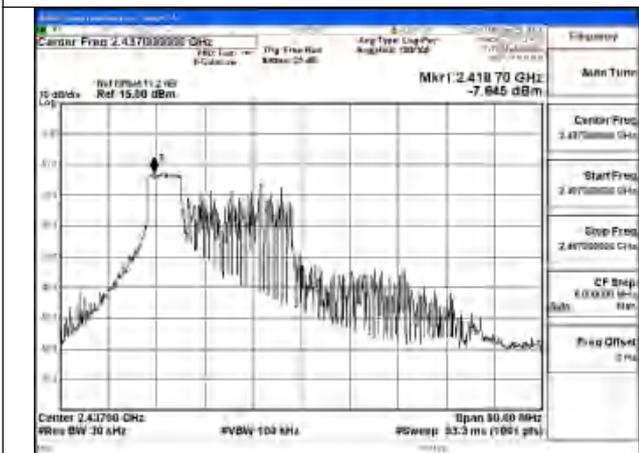
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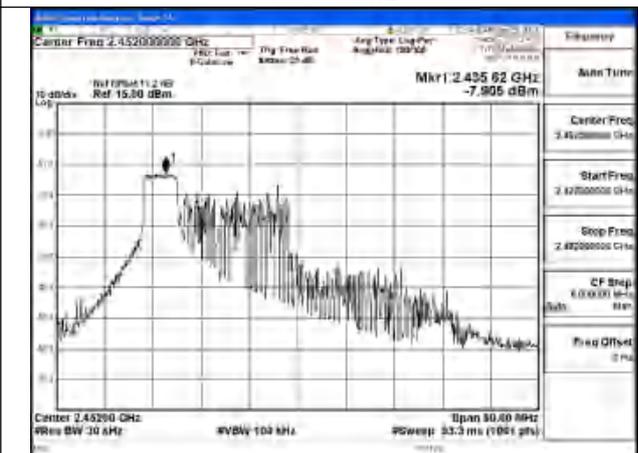
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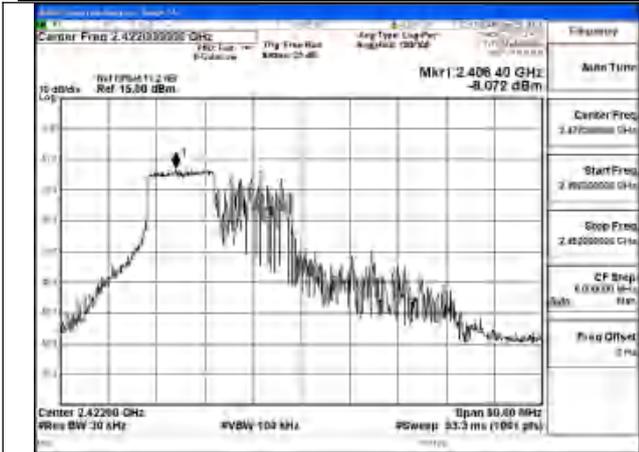
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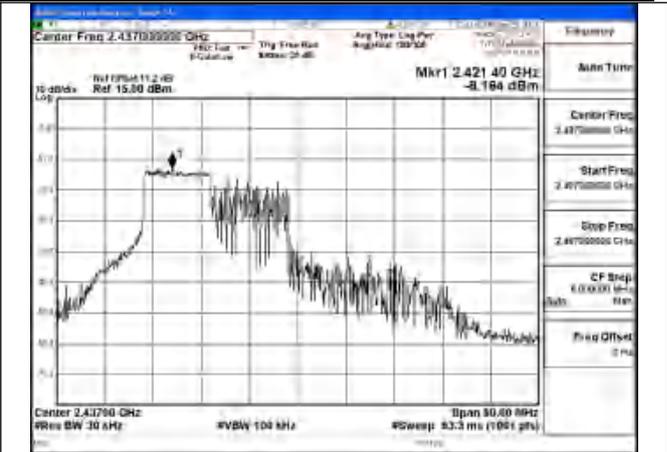
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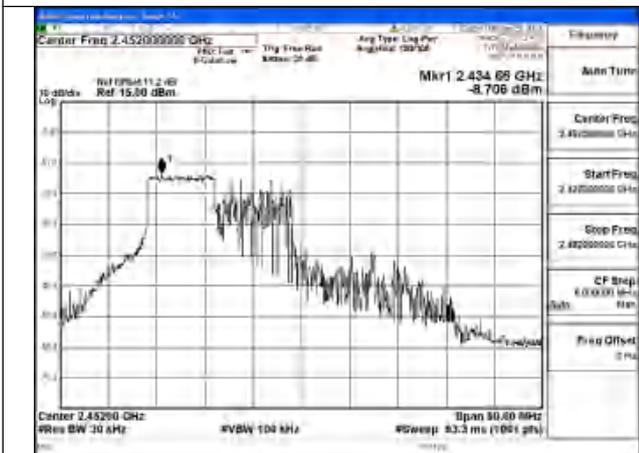
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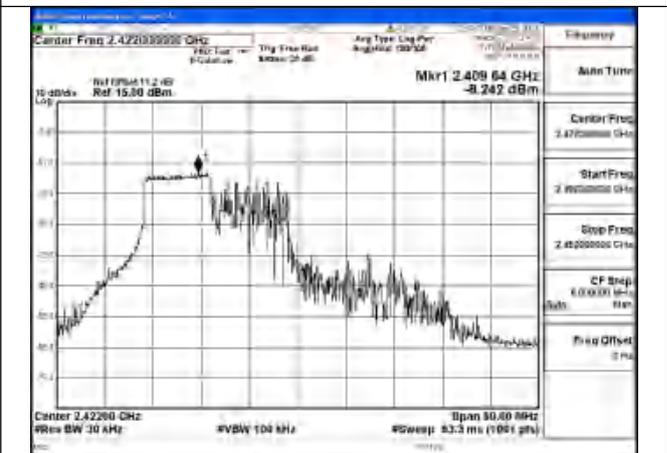
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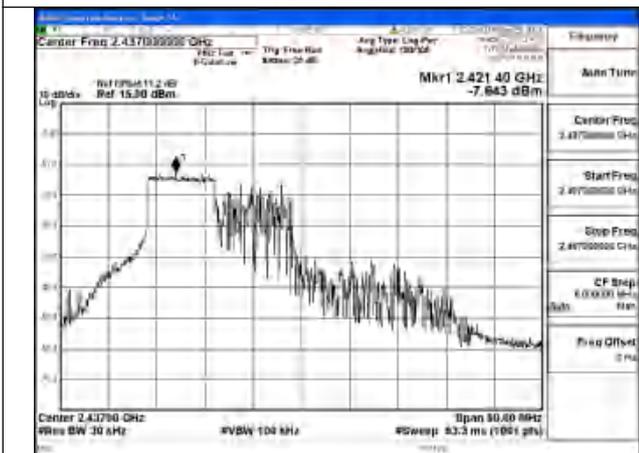
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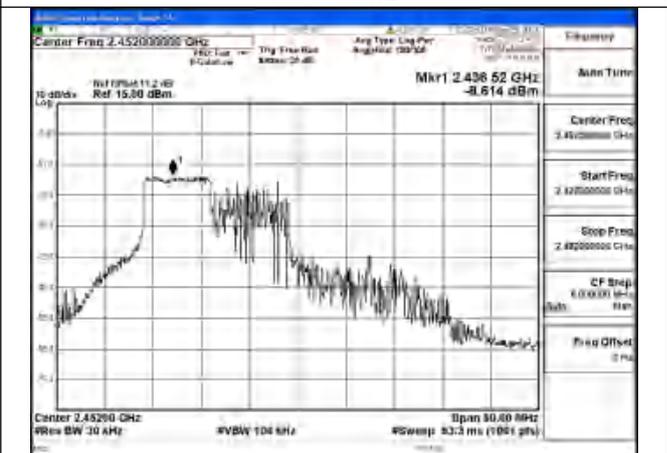
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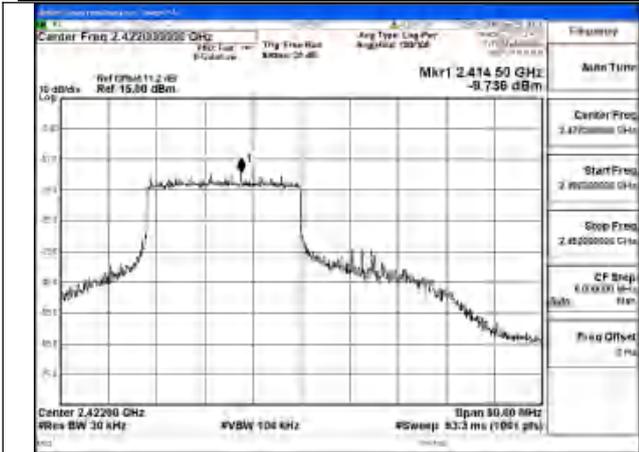
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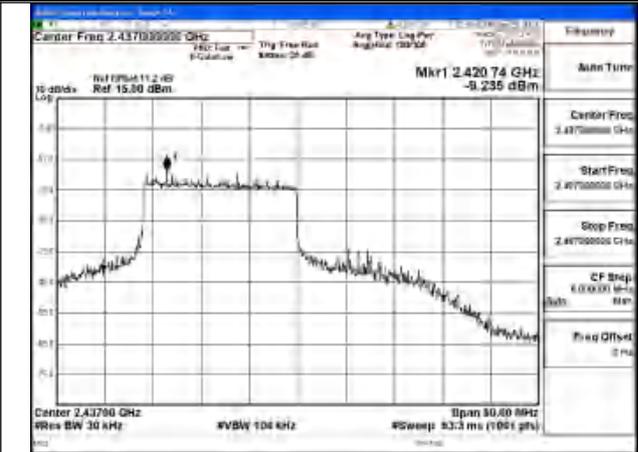
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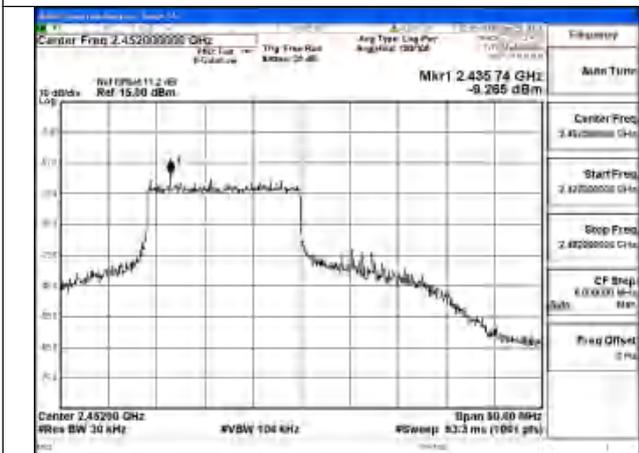
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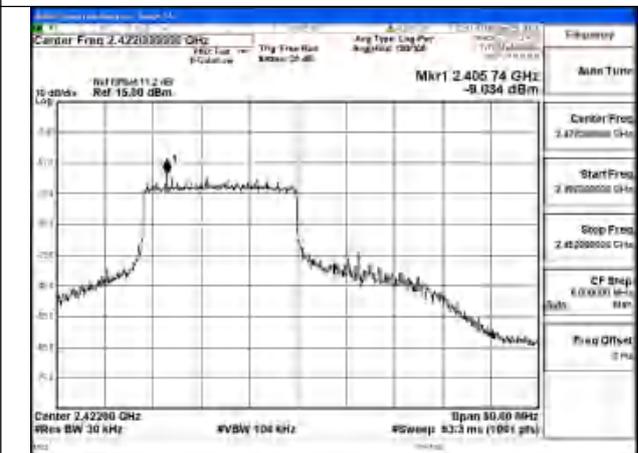
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Ant:Chain0



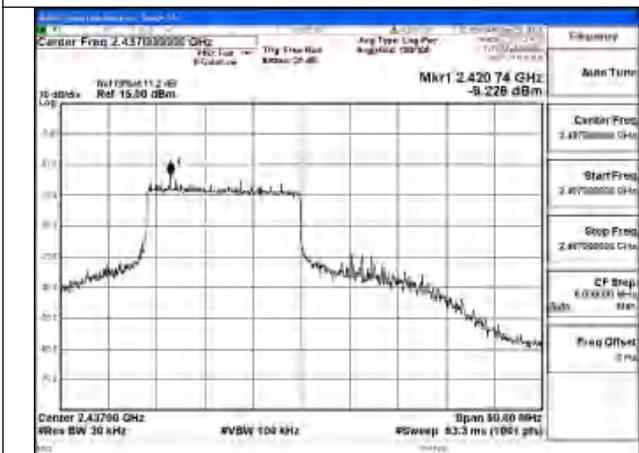
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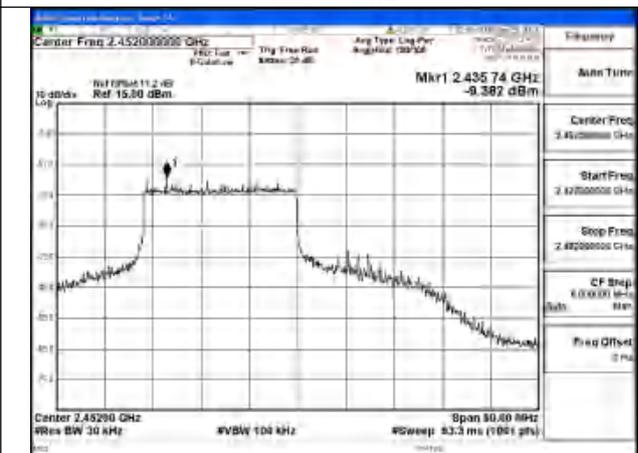
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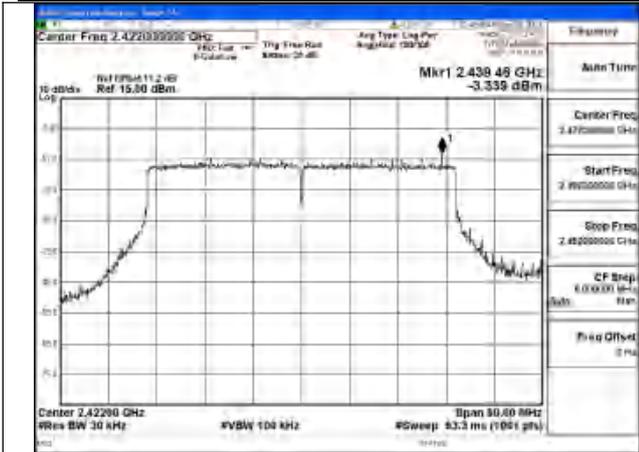
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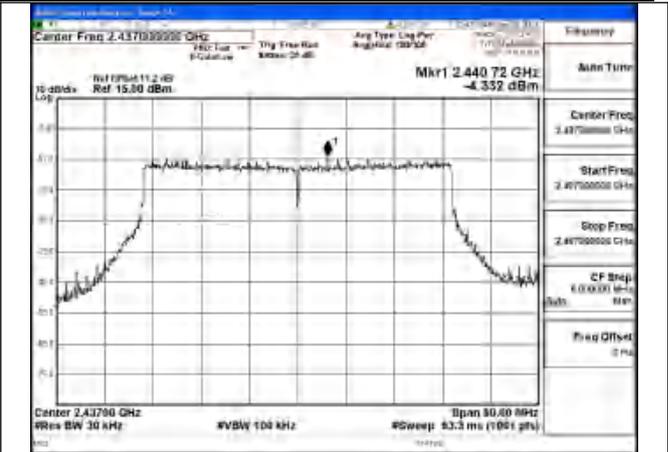
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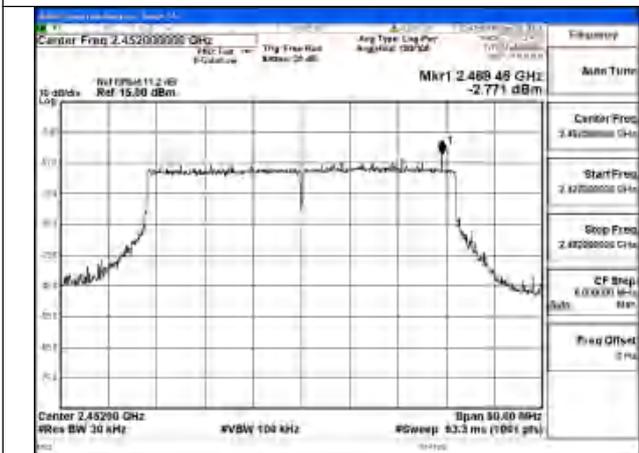
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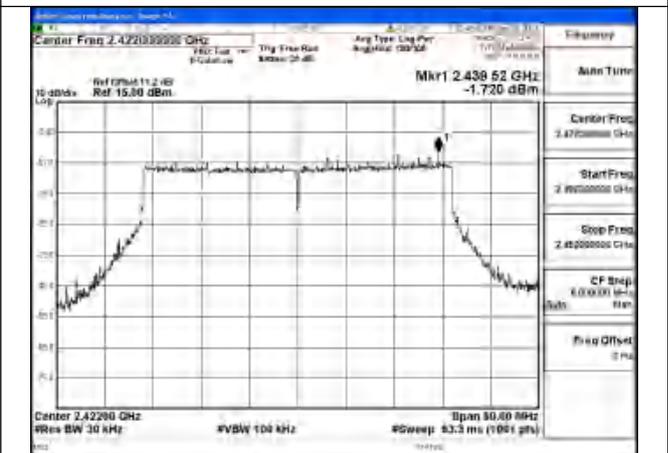
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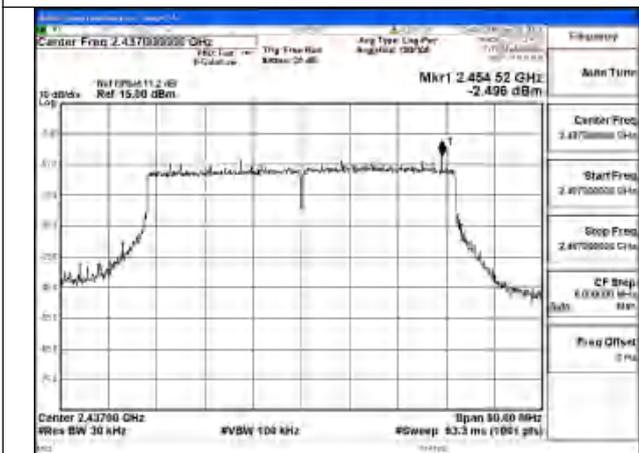
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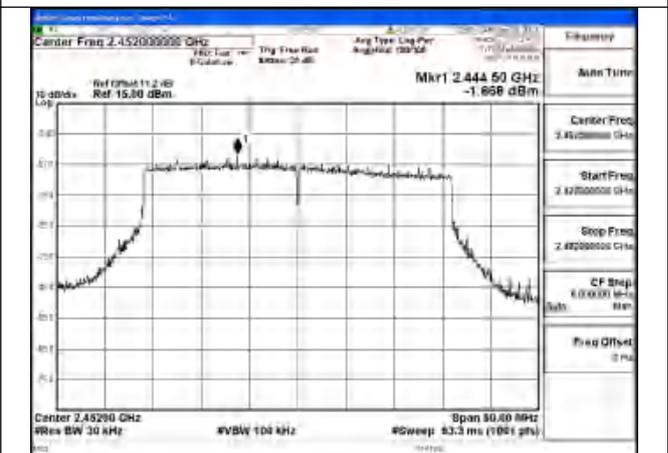
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Ant:Chain0



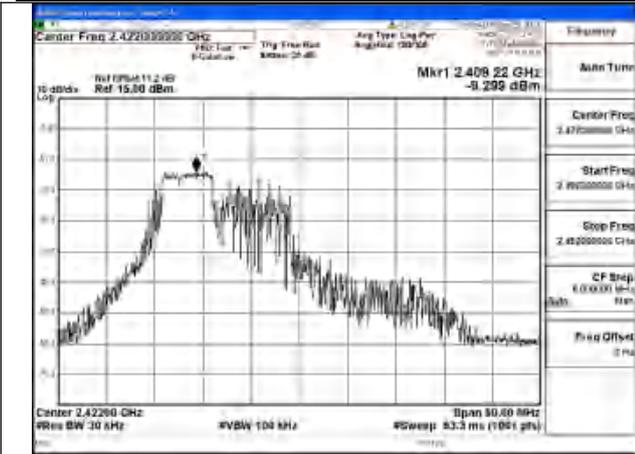
Mode:802.11be EHT40 Tone:484T Frequency:2422MHz  
Ant:Chain1



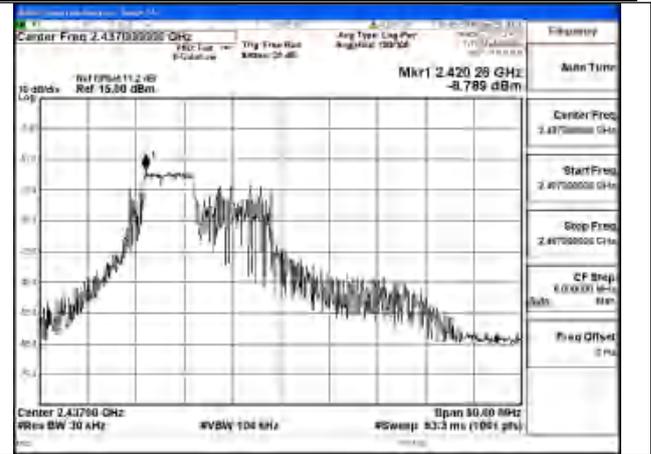
Mode:802.11be EHT40 Tone:484T Frequency:2437MHz  
Ant:Chain1



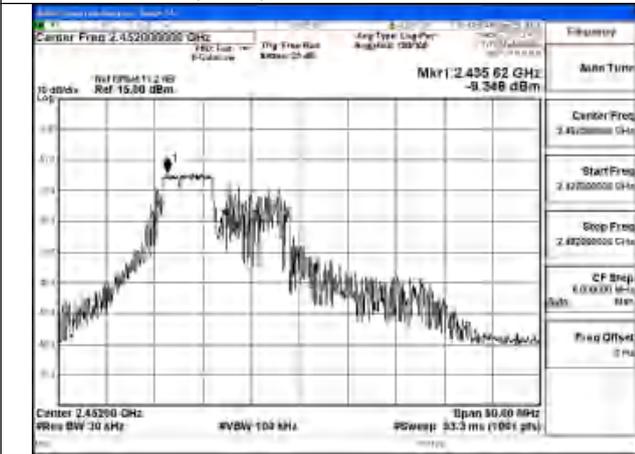
Mode:802.11be EHT40 Tone:484T Frequency:2452MHz  
Ant:Chain1



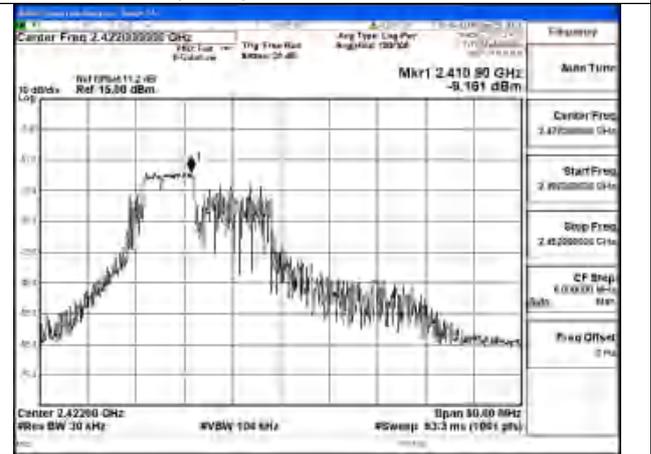
Mode:802.11be EHT40 Tone:26+52  
Frequency:2422MHz Ant:Chain0



Mode:802.11be EHT40 Tone:26+52  
Frequency:2437MHz Ant:Chain0



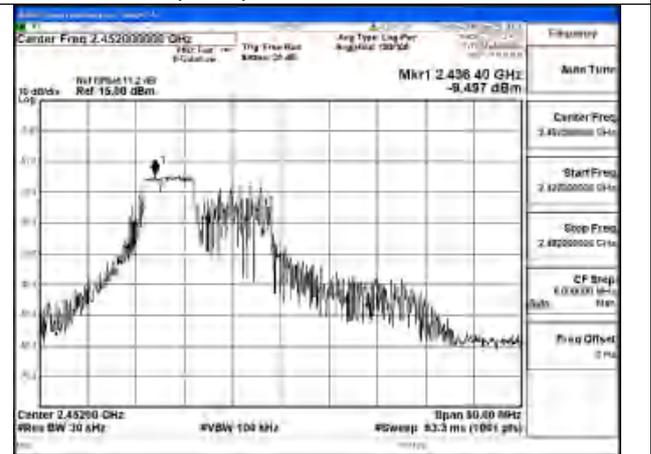
Mode:802.11be EHT40 Tone:26+52  
Frequency:2452MHz Ant:Chain0



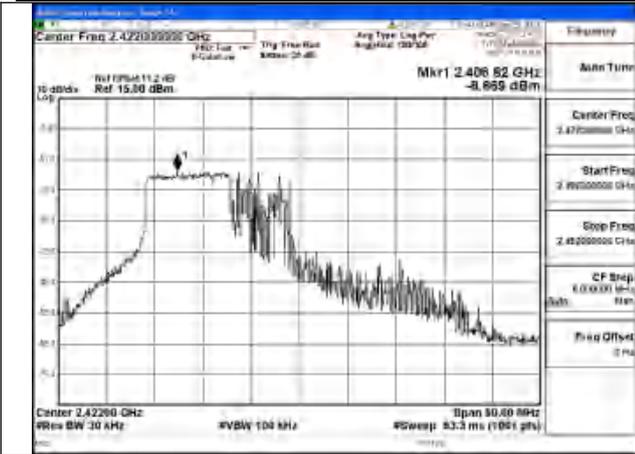
Mode:802.11be EHT40 Tone:26+52  
Frequency:2422MHz Ant:Chain1



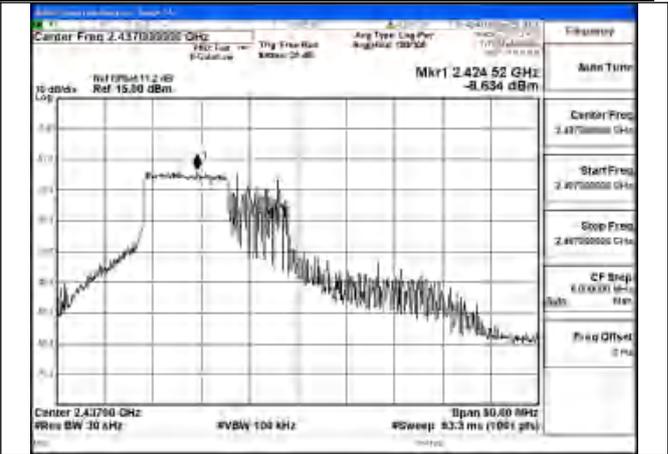
Mode:802.11be EHT40 Tone:26+52  
Frequency:2437MHz Ant:Chain1



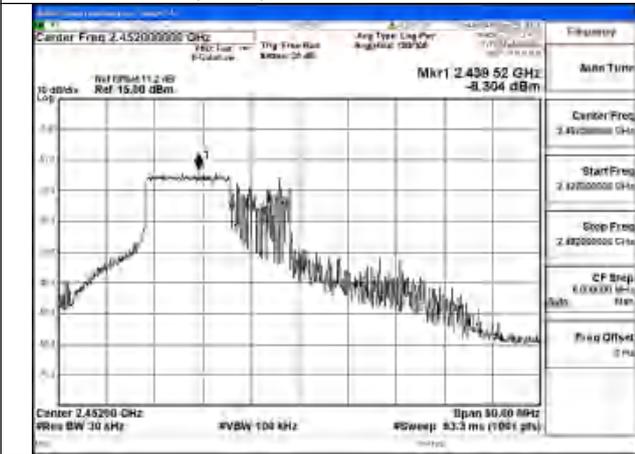
Mode:802.11be EHT40 Tone:26+52  
Frequency:2452MHz Ant:Chain1



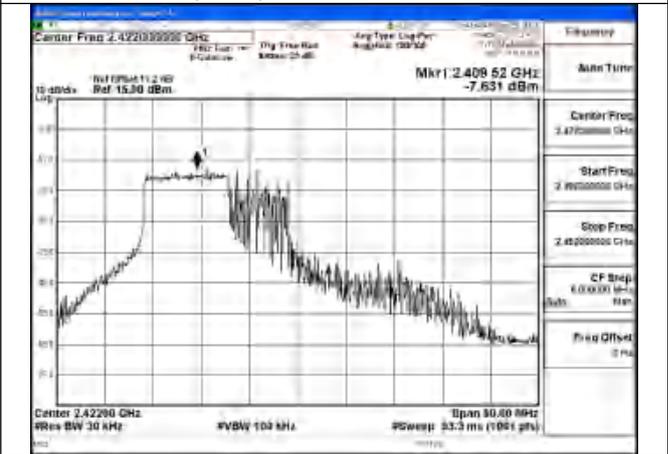
Mode:802.11be EHT40 Tone:26+106  
Frequency:2422MHz Ant:Chain0



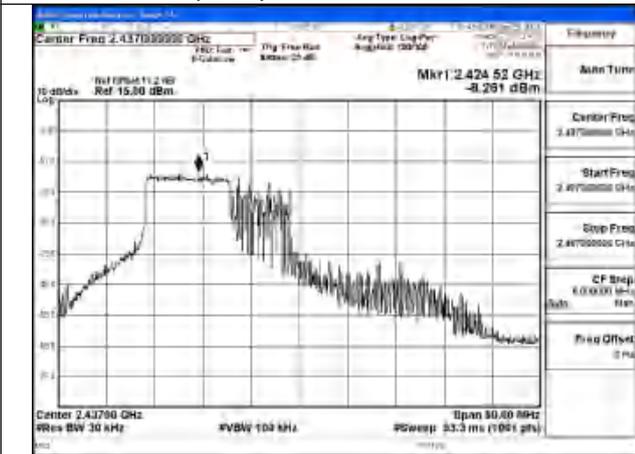
Mode:802.11be EHT40 Tone:26+106  
Frequency:2437MHz Ant:Chain0



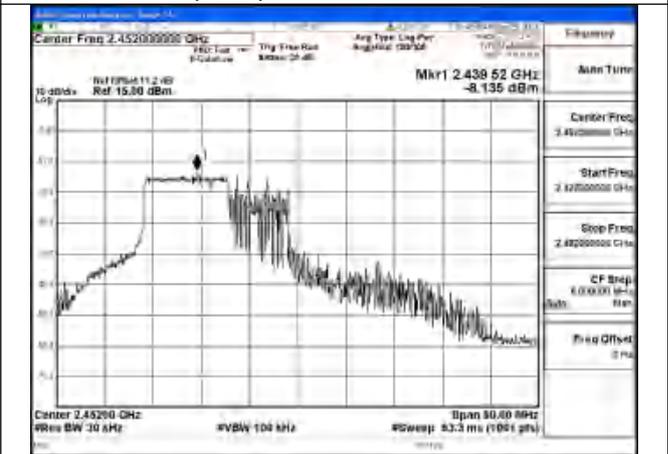
Mode:802.11be EHT40 Tone:26+106  
Frequency:2452MHz Ant:Chain0



Mode:802.11be EHT40 Tone:26+106  
Frequency:2422MHz Ant:Chain1



Mode:802.11be EHT40 Tone:26+106  
Frequency:2437MHz Ant:Chain1



Mode:802.11be EHT40 Tone:26+106  
Frequency:2452MHz Ant:Chain1



### Conducted Out of band emission measurement

Test Mode: 802.11b



Mode:802.11b Frequency:2412MHz Ant:Chain0



Mode:802.11b Frequency:2437MHz Ant:Chain0



Mode:802.11b Frequency:2462MHz Ant:Chain0



Mode:802.11b Frequency:2412MHz Ant:Chain1



Mode:802.11b Frequency:2437MHz Ant:Chain1



Mode:802.11b Frequency:2462MHz Ant:Chain1

Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2437MHz Ant:Chain0



Mode:802.11g Frequency:2462MHz Ant:Chain0



Mode:802.11g Frequency:2412MHz Ant:Chain1



Mode:802.11g Frequency:2437MHz Ant:Chain1



Mode:802.11g Frequency:2462MHz Ant:Chain1

Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0

Mode:802.11n HT20 Frequency:2437MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1



Mode:802.11n HT20 Frequency:2437MHz Ant:Chain1

Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:2412MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:2437MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:2462MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:2412MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:2437MHz Ant:Chain1



Mode:802.11ax HE20 Frequency:2462MHz Ant:Chain1



Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain0

Mode:802.11ax HE40 Frequency:2437MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain0

Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain1



Mode:802.11ax HE40 Frequency:2437MHz Ant:Chain1

Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain1

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

Mode:802.11n HT40 Frequency:2437MHz Ant:Chain0



Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1



Mode:802.11n HT40 Frequency:2437MHz Ant:Chain1

Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1



Test Mode: 802.11be EHT20



Mode:802.11be EHT20 Frequency:2412MHz Ant:Chain0



Mode:802.11be EHT20 Frequency:2437MHz  
Ant:Chain0



Mode:802.11be EHT20 Frequency:2462MHz Ant:Chain0



Mode:802.11be EHT20 Frequency:2412MHz  
Ant:Chain1



Mode:802.11be EHT20 Frequency:2437MHz Ant:Chain1



Mode:802.11be EHT20 Frequency:2462MHz  
Ant:Chain1

Test Mode: 802.11be EHT40



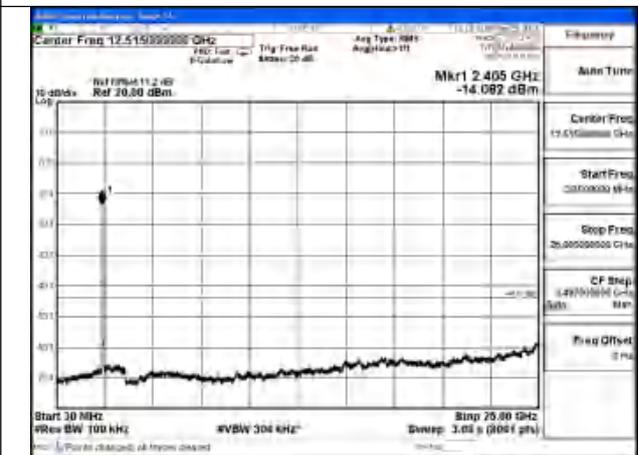
Mode:802.11be EHT40 Frequency:2422MHz Ant:Chain0



Mode:802.11be EHT40 Frequency:2437MHz  
Ant:Chain0



Mode:802.11be EHT40 Frequency:2452MHz Ant:Chain0



Mode:802.11be EHT40 Frequency:2422MHz  
Ant:Chain1



Mode:802.11be EHT40 Frequency:2437MHz Ant:Chain1



Mode:802.11be EHT40 Frequency:2452MHz  
Ant:Chain1

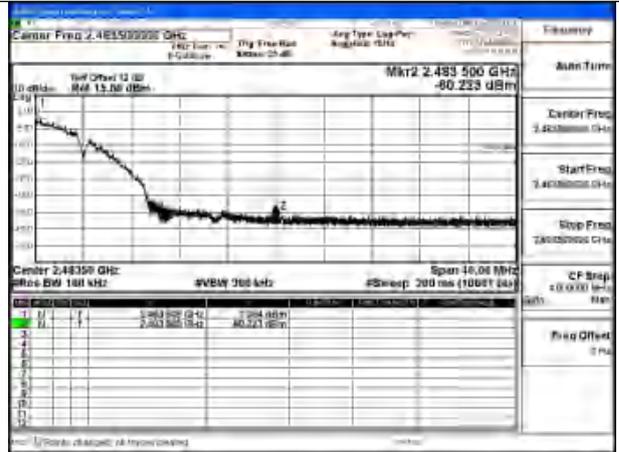


### Band edge measurement

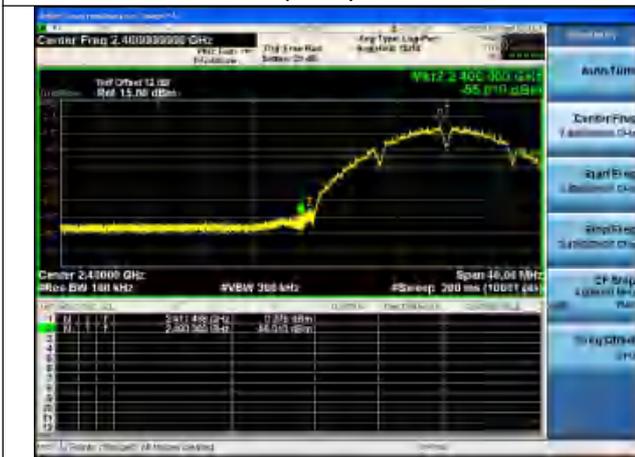
Test Mode: 802.11b



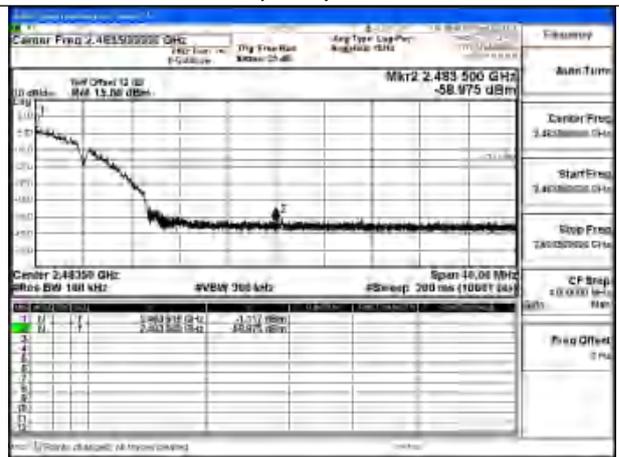
Mode:802.11b Frequency:2412MHz Ant:Chain0



Mode:802.11b Frequency:2462MHz Ant:Chain0



Mode:802.11b Frequency:2412MHz Ant:Chain1

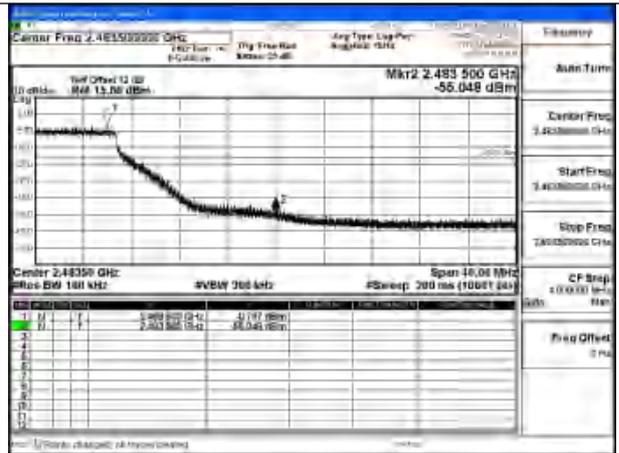


Mode:802.11b Frequency:2462MHz Ant:Chain1

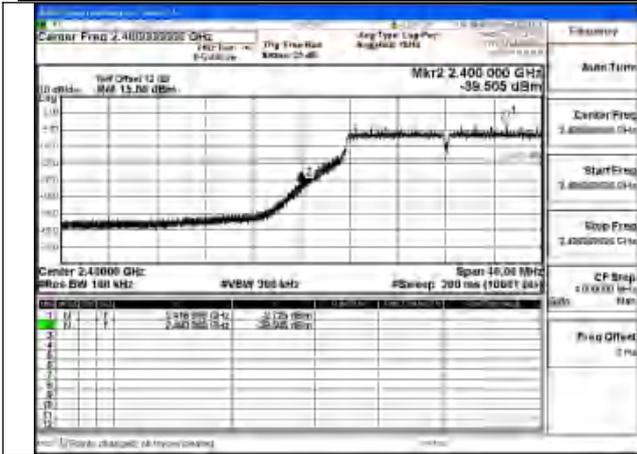
Test Mode: 802.11g



Mode:802.11g Frequency:2412MHz Ant:Chain0



Mode:802.11g Frequency:2462MHz Ant:Chain0



Mode:802.11g Frequency:2412MHz Ant:Chain1

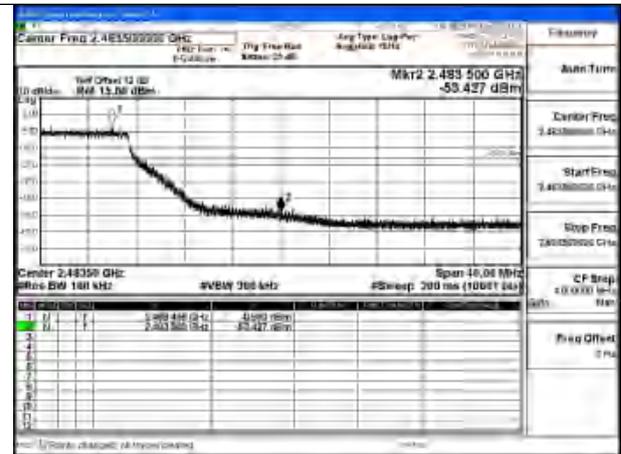


Mode:802.11g Frequency:2462MHz Ant:Chain1

Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:2412MHz Ant:Chain0



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain0

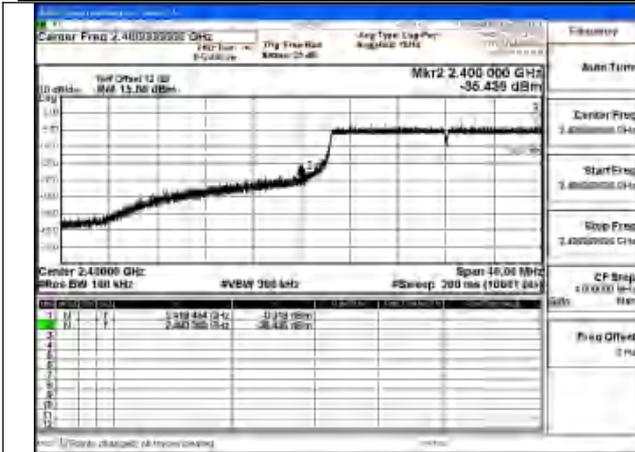


Mode:802.11n HT20 Frequency:2412MHz Ant:Chain1



Mode:802.11n HT20 Frequency:2462MHz Ant:Chain1

Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:2412MHz Ant:Chain0

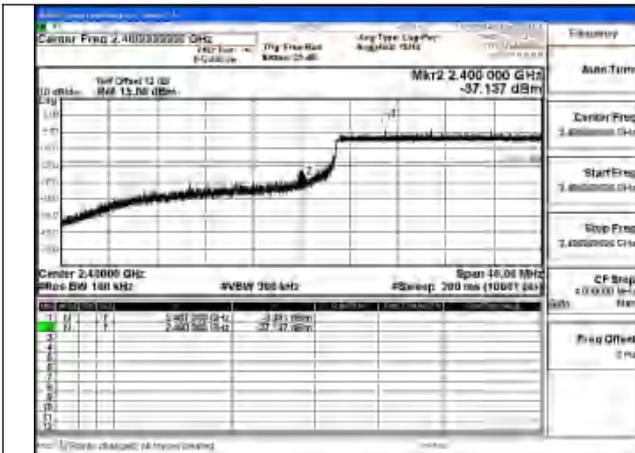
Mode:802.11ax HE20 Frequency:2462MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:2412MHz Ant:Chain1

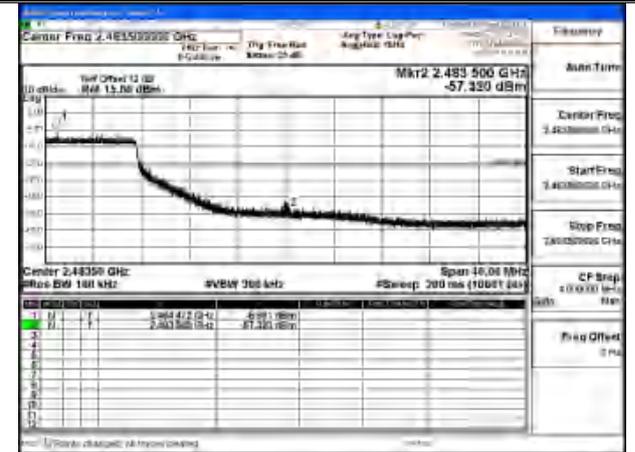
Mode:802.11ax HE20 Frequency:2462MHz Ant:Chain1

Test Mode: 802.11ax HE40



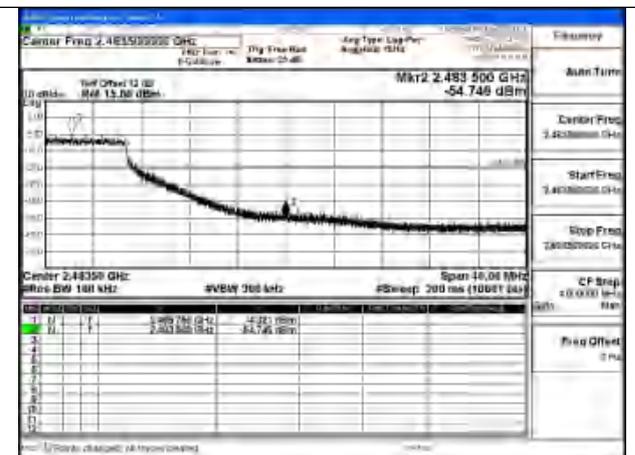
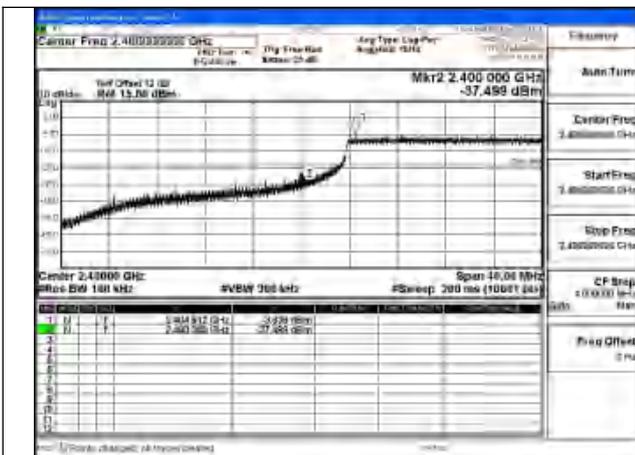
Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain0

Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain0



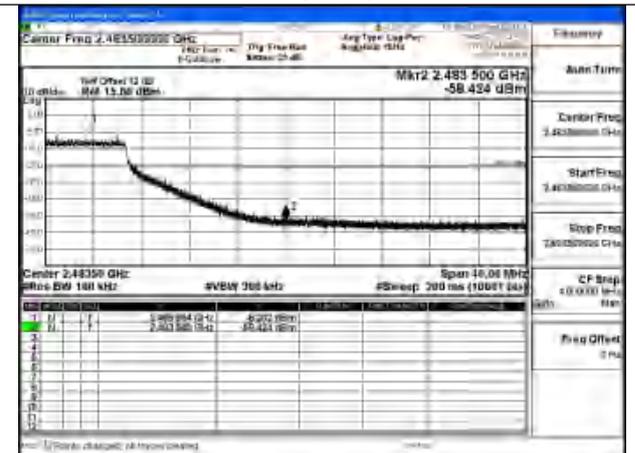
Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain1  
Test Mode: 802.11n HT40

Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain1



Mode:802.11n HT40 Frequency:2422MHz Ant:Chain0

Mode:802.11n HT40 Frequency:2452MHz Ant:Chain0

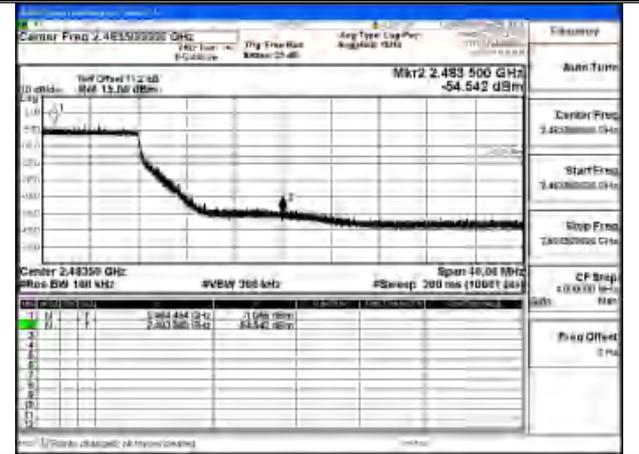


Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1  
Test Mode: 802.11be EHT20

Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1



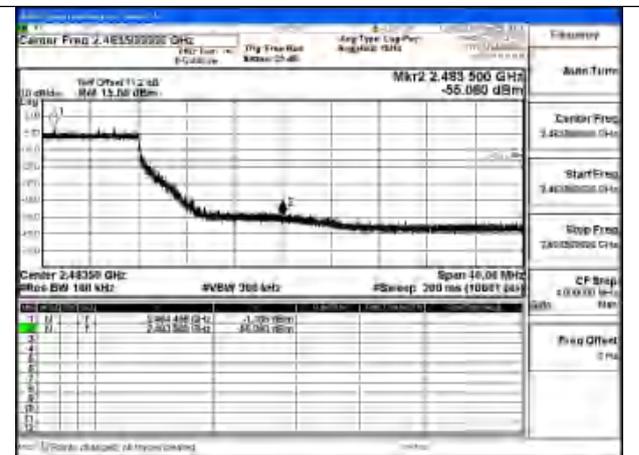
Mode:802.11be EHT20 Frequency:2412MHz Ant:Chain0



Mode:802.11be EHT20 Frequency:2462MHz  
Ant:Chain0



Mode:802.11be EHT20 Frequency:2412MHz Ant:Chain1



Mode:802.11be EHT20 Frequency:2462MHz  
Ant:Chain1

Test Mode: 802.11be EHT40



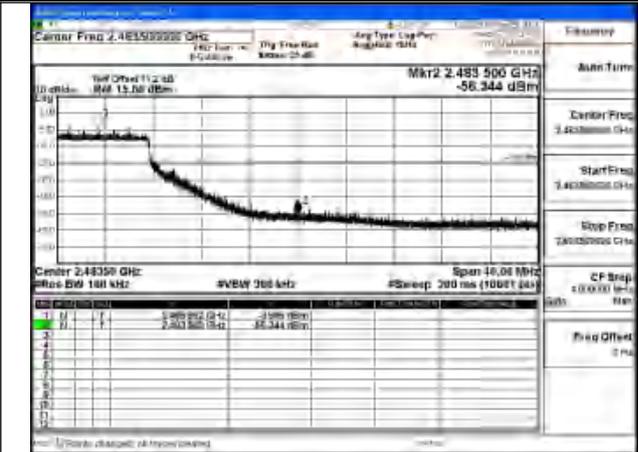
Mode:802.11be EHT40 Frequency:2422MHz Ant:Chain0



Mode:802.11be EHT40 Frequency:2452MHz  
Ant:Chain0



Mode:802.11be EHT40 Frequency:2422MHz Ant:Chain1



Mode:802.11be EHT40 Frequency:2452MHz  
 Ant:Chain1

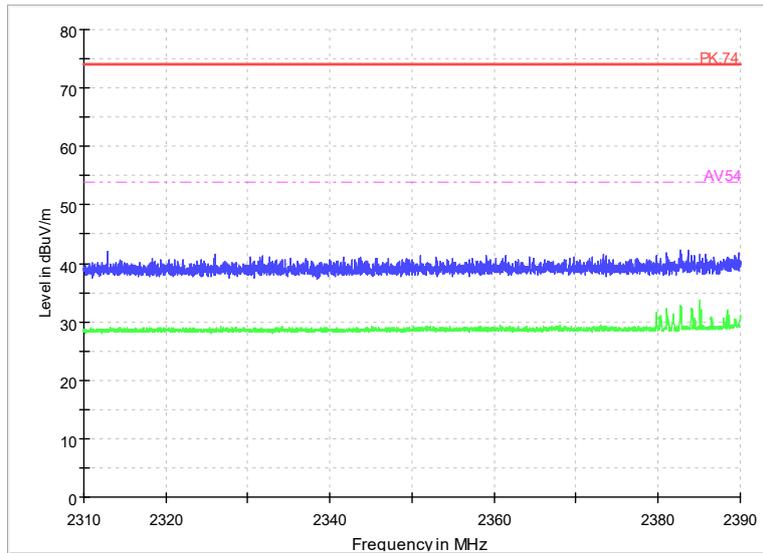


## APPENDIX B – TEST DATA OF RADIATED EMISSION

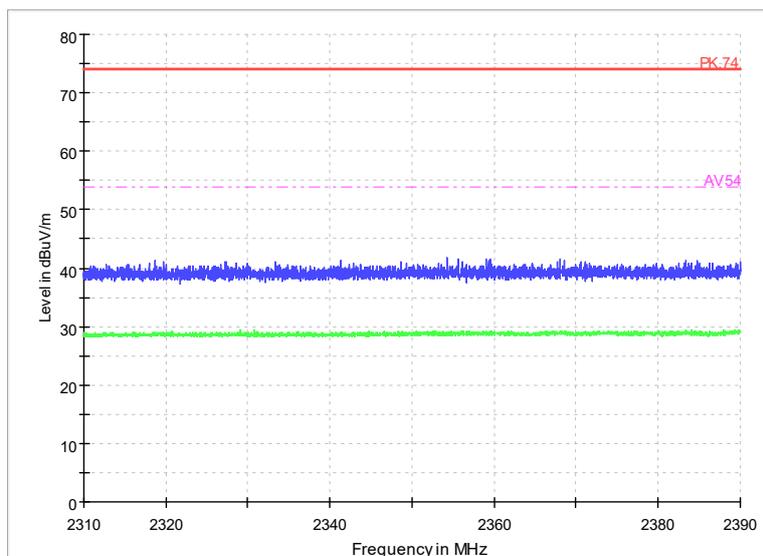
Note: The worst channel results are reflected in the report.

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

### Radiated Emission Band Edge

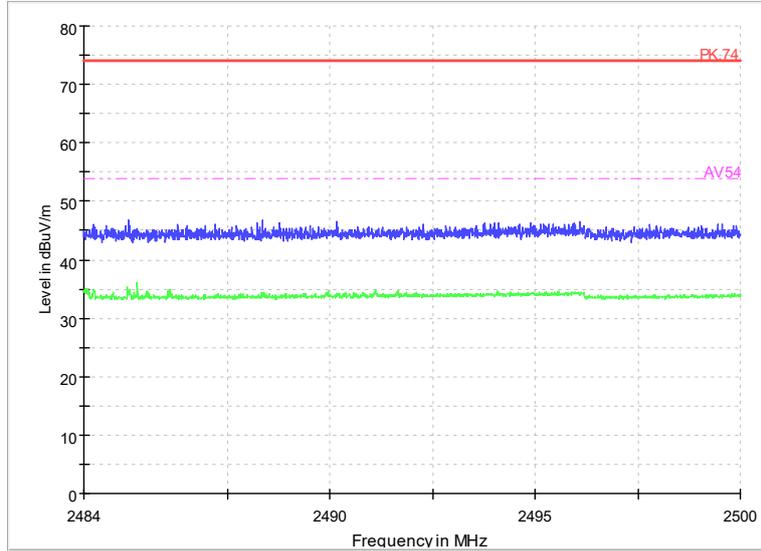


Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11b  
Polarization: V

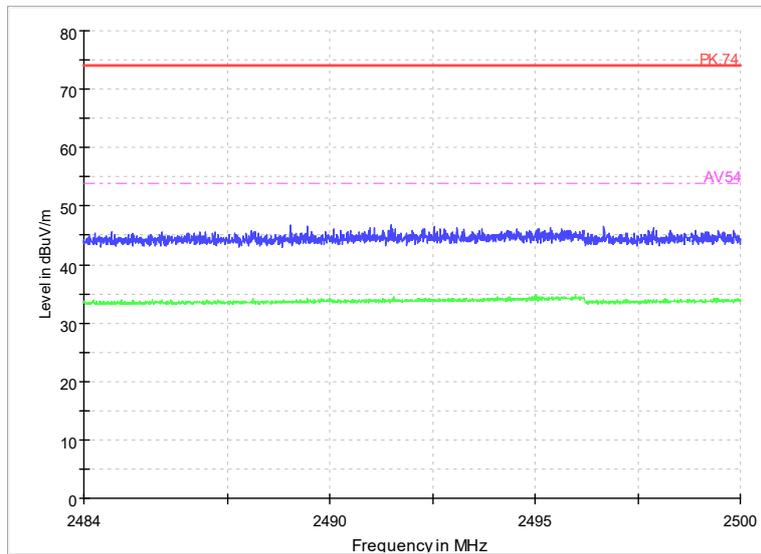


Radiated Emission Band Edge

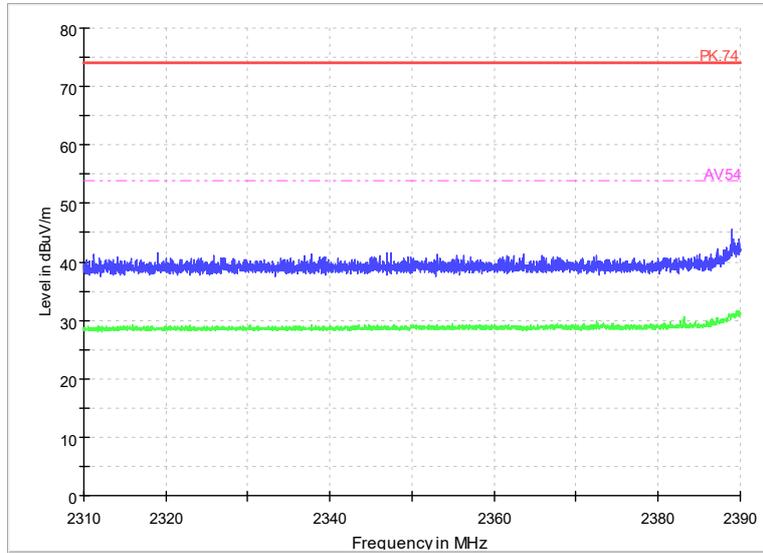
Channel No.:1  
Test Mode: 802.11b  
Polarization: H



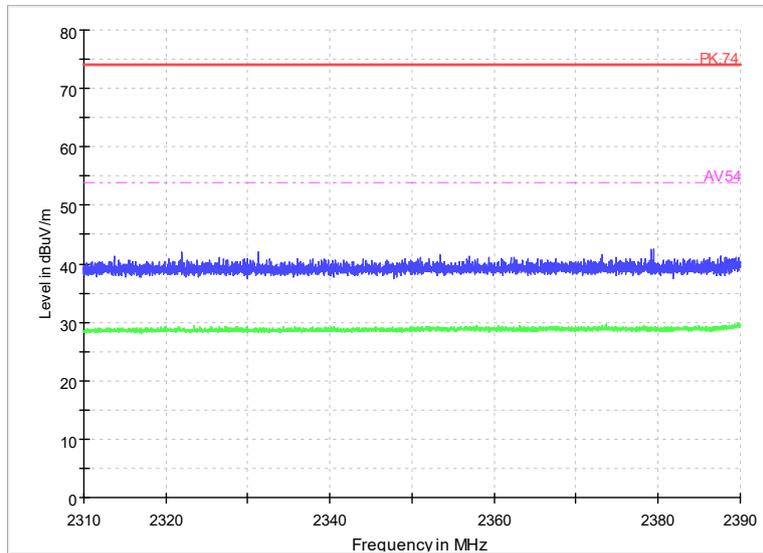
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11b  
Polarization: V



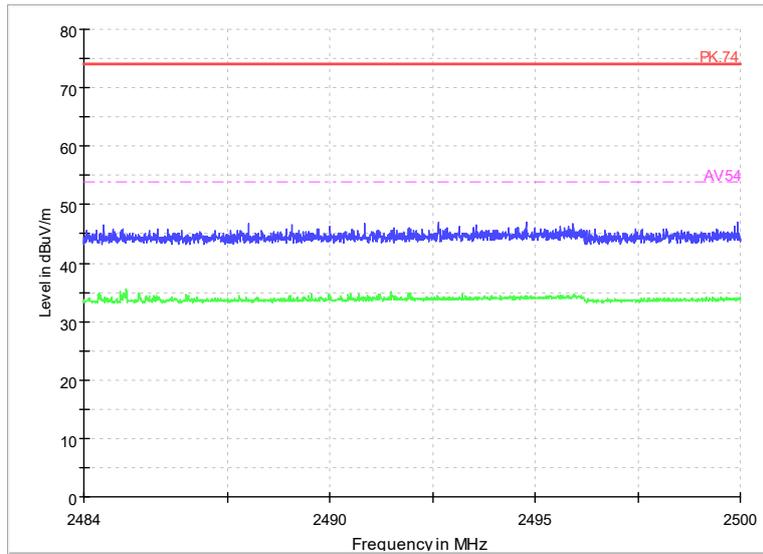
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11b  
Polarization: H



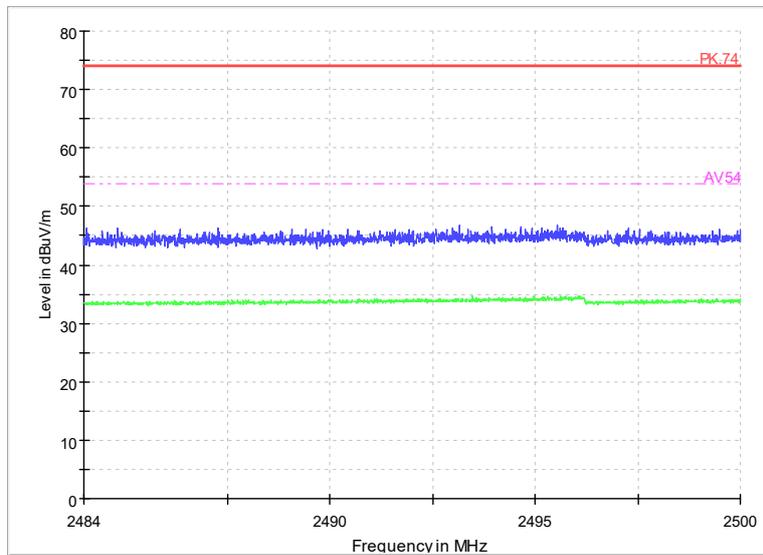
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11g  
Polarization: V



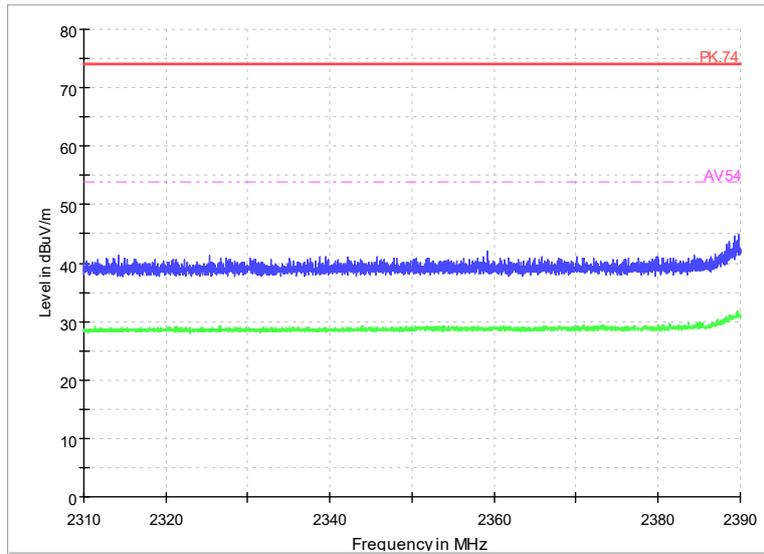
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11g  
Polarization: H



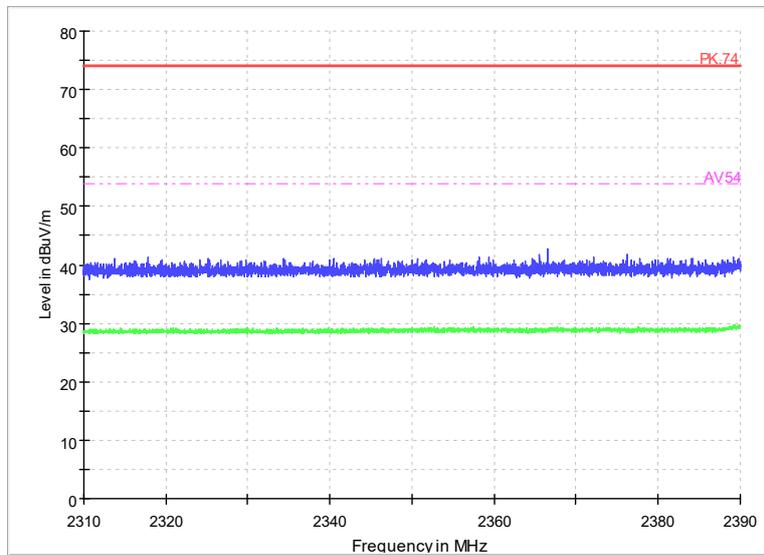
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11g  
Polarization: V



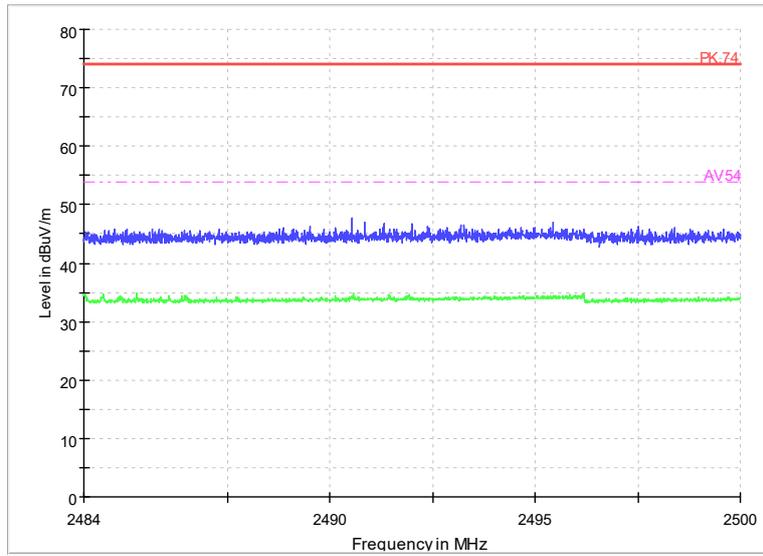
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11g  
Polarization: H



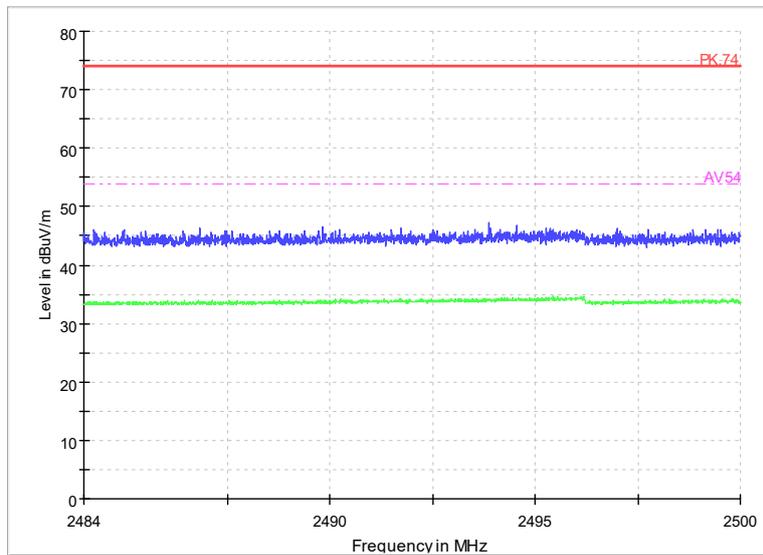
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11n(HT20)  
Polarization: V



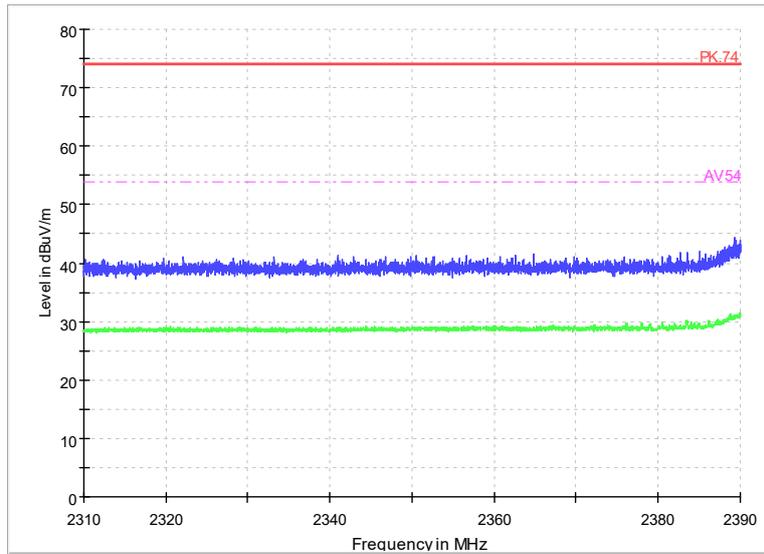
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11n(HT20)  
Polarization: H



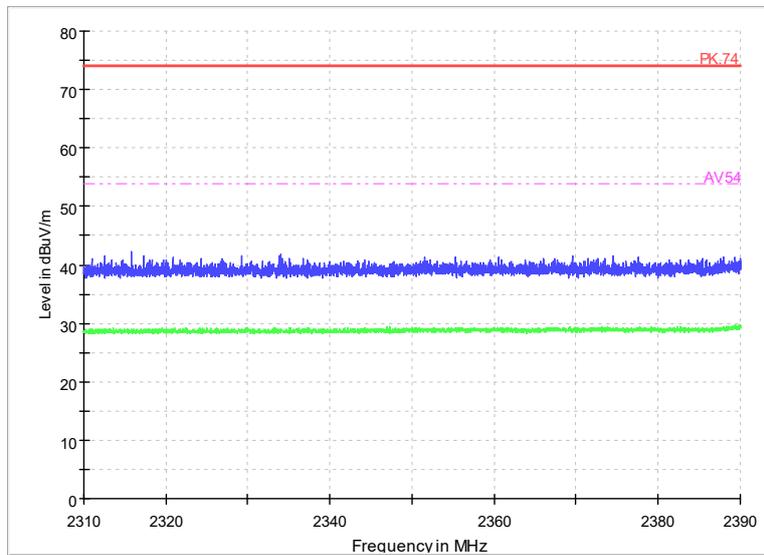
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11n(HT20)  
Polarization: V



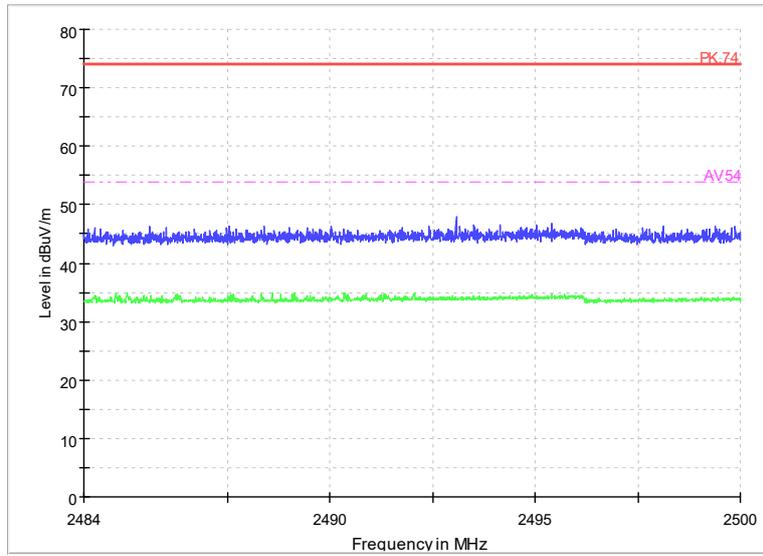
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11n(HT20)  
Polarization: H



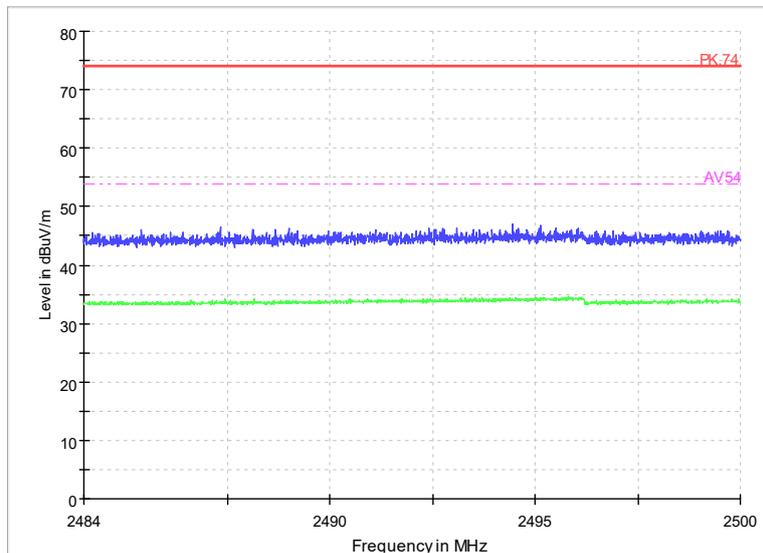
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11ax(HE20)  
Polarization: V



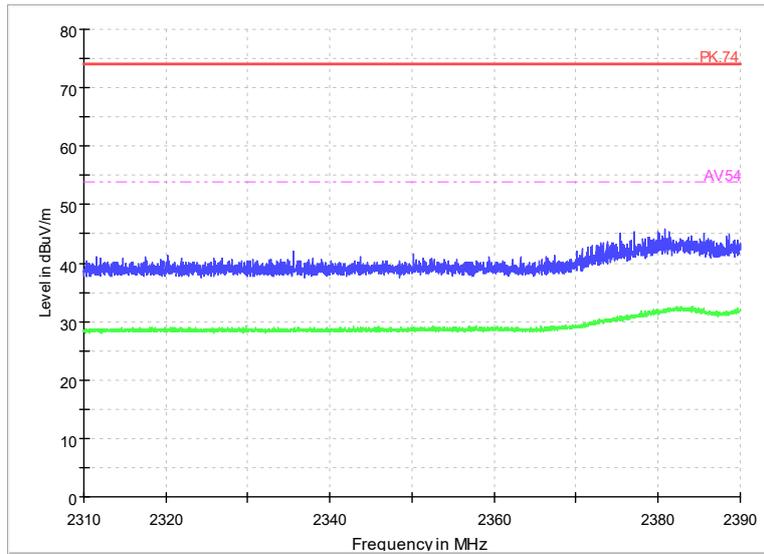
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11ax(HE20)  
Polarization: H



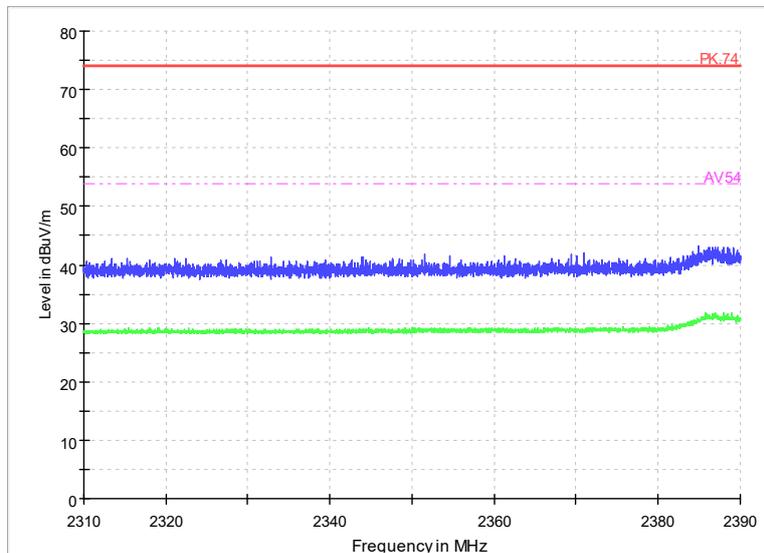
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11ax(HE20)  
Polarization: V



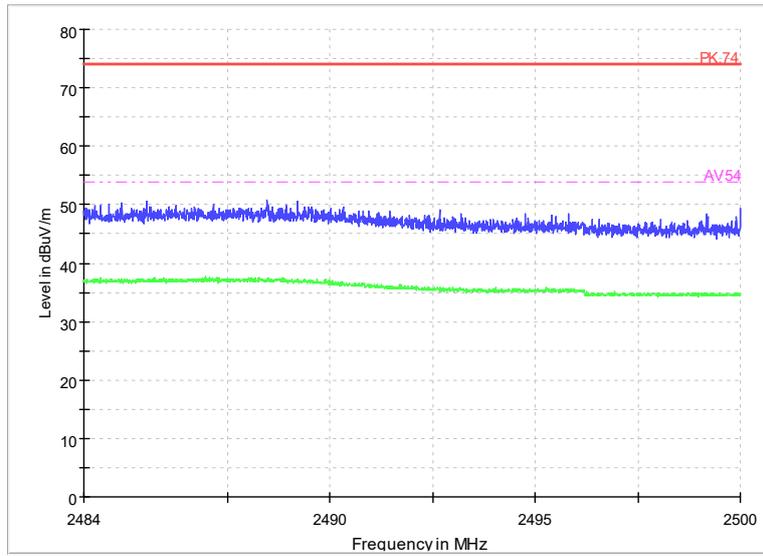
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11ax(HE20)  
Polarization: H



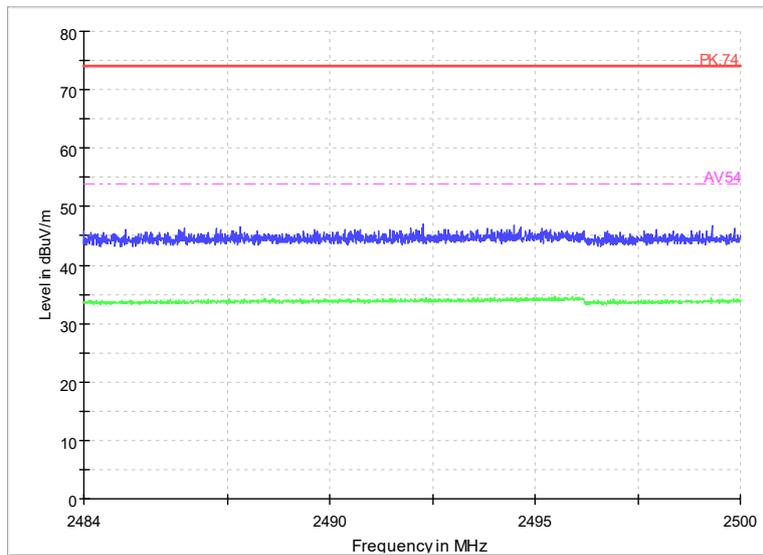
Radiated Emission Band Edge  
Channel No.:3  
Test Mode: 802.11n(HT40)  
Polarization: V



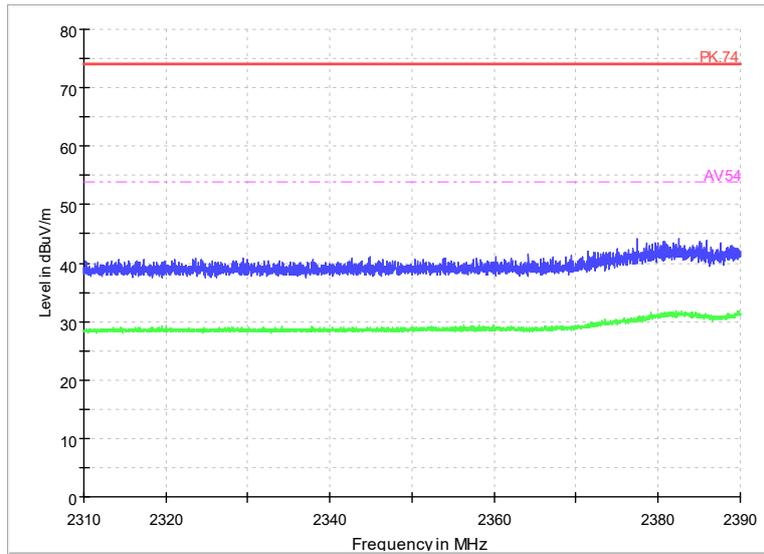
Radiated Emission Band Edge  
Channel No.:3  
Test Mode: 802.11n(HT40)  
Polarization: H



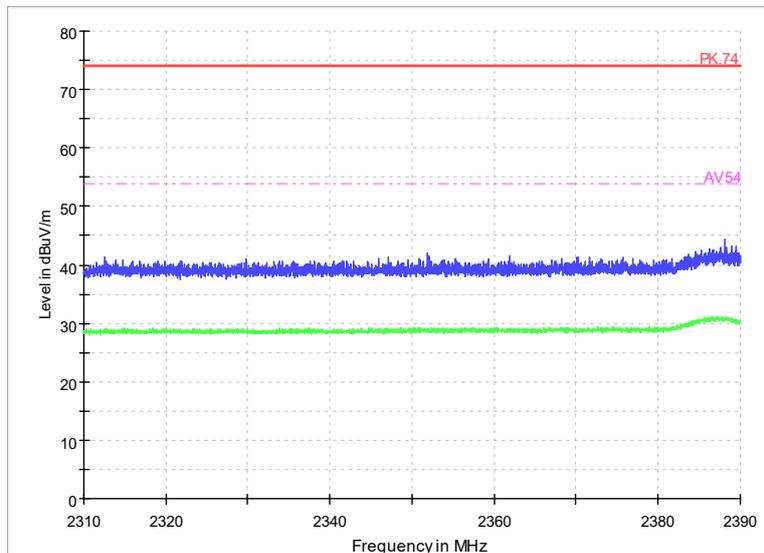
Radiated Emission Band Edge  
Channel No.:9  
Test Mode: 802.11n(HT40)  
Polarization: V



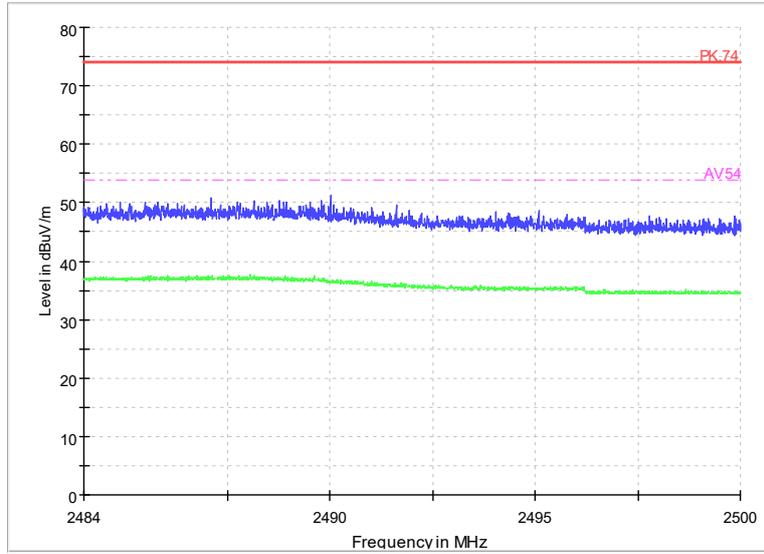
Radiated Emission Band Edge  
Channel No.:9  
Test Mode: 802.11n(HT40)  
Polarization: H



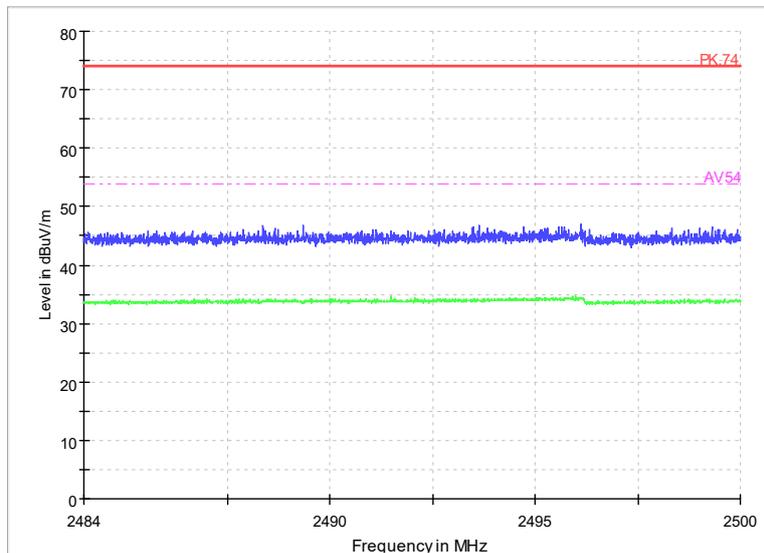
Radiated Emission Band Edge  
Channel No.:3  
Test Mode: 802.11ax(HE40)  
Polarization: V



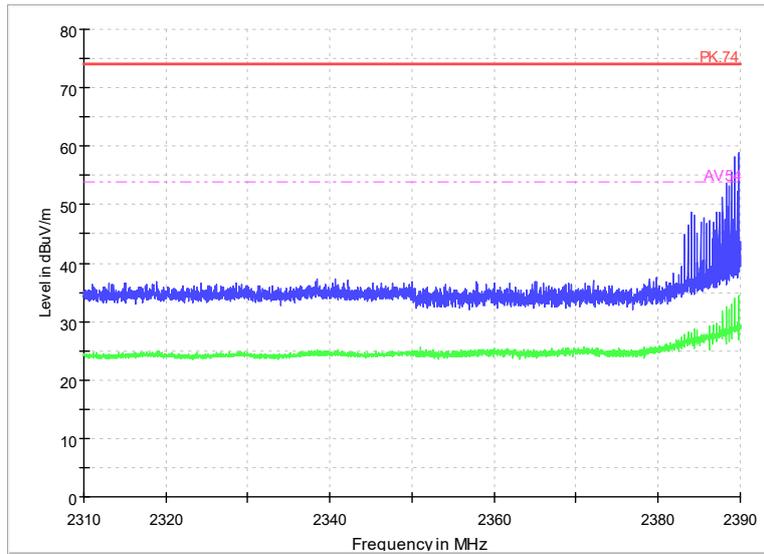
Radiated Emission Band Edge  
Channel No.:3  
Test Mode: 802.11ax(HE40)  
Polarization: H



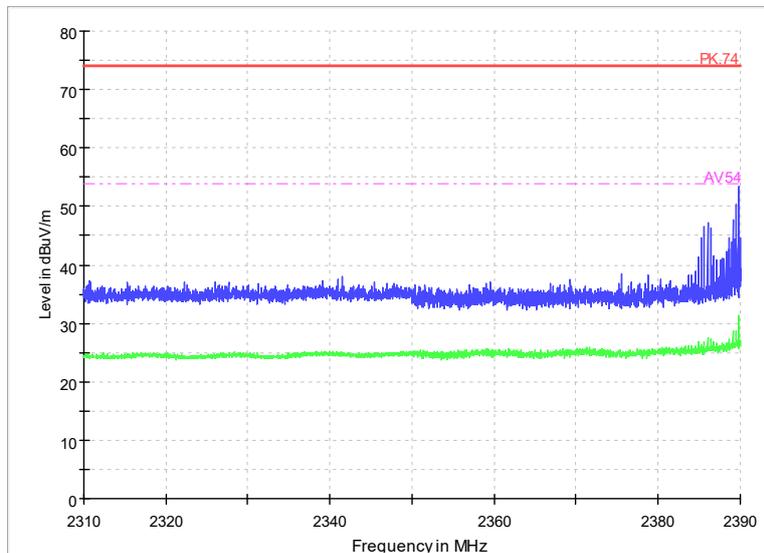
Radiated Emission Band Edge  
Channel No.:9  
Test Mode: 802.11ax(HE40)  
Polarization: V



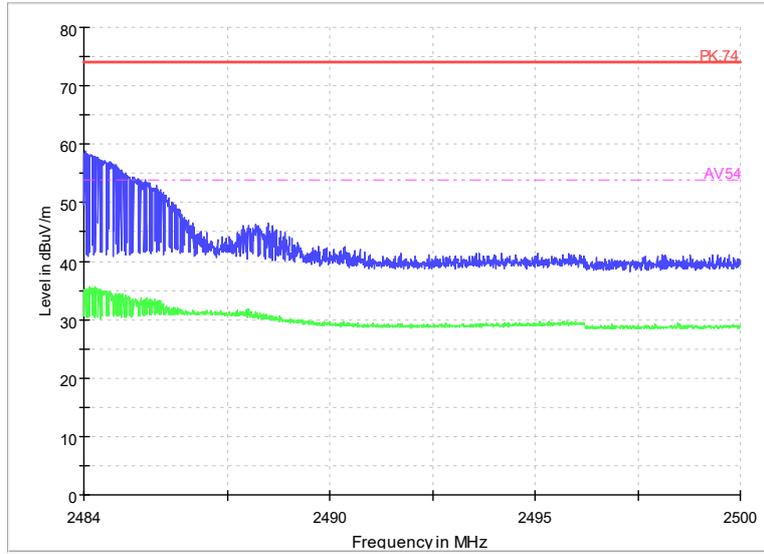
Radiated Emission Band Edge  
Channel No.:9  
Test Mode: 802.11ax(HE40)  
Polarization: H



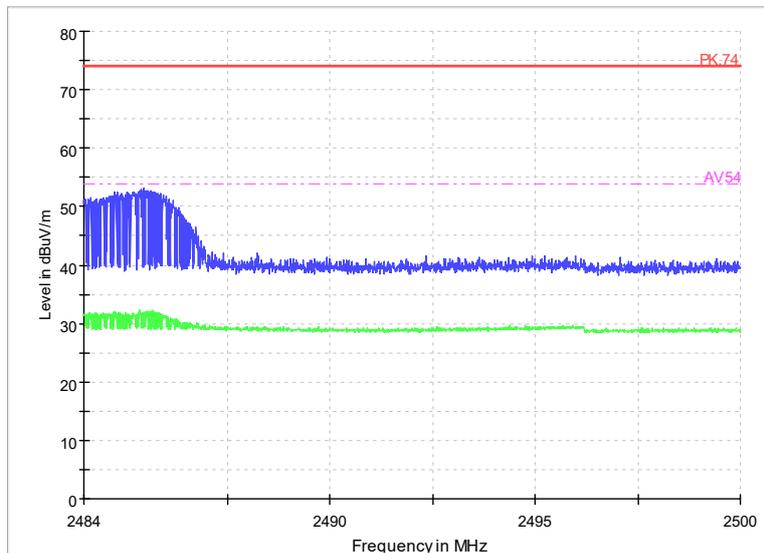
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11be(EHT20)  
Polarization: V



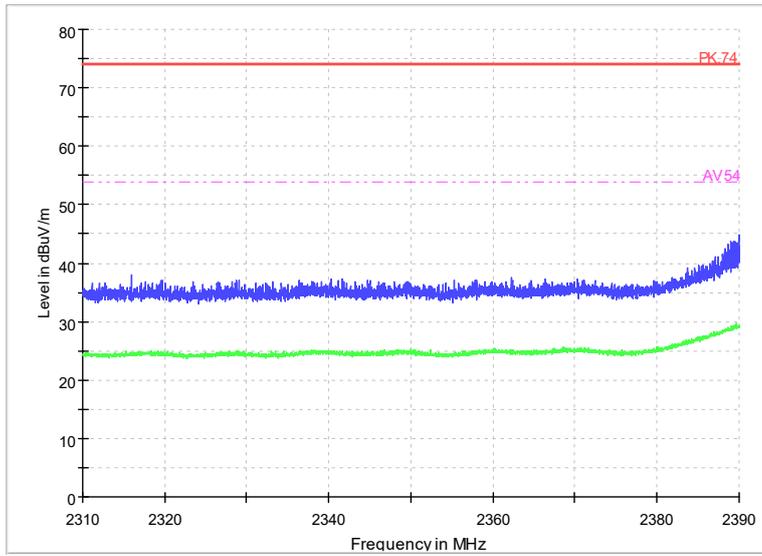
Radiated Emission Band Edge  
Channel No.:1  
Test Mode: 802.11be(EHT20)  
Polarization: H



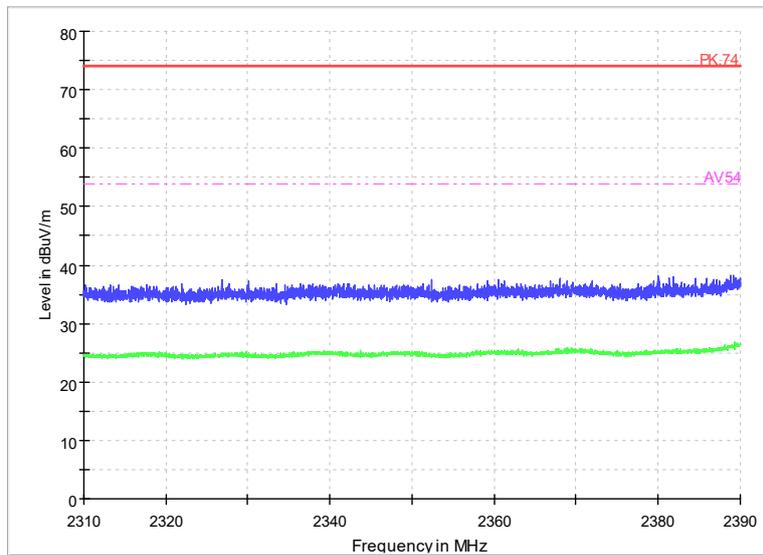
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11be(EHT20)  
Polarization: V



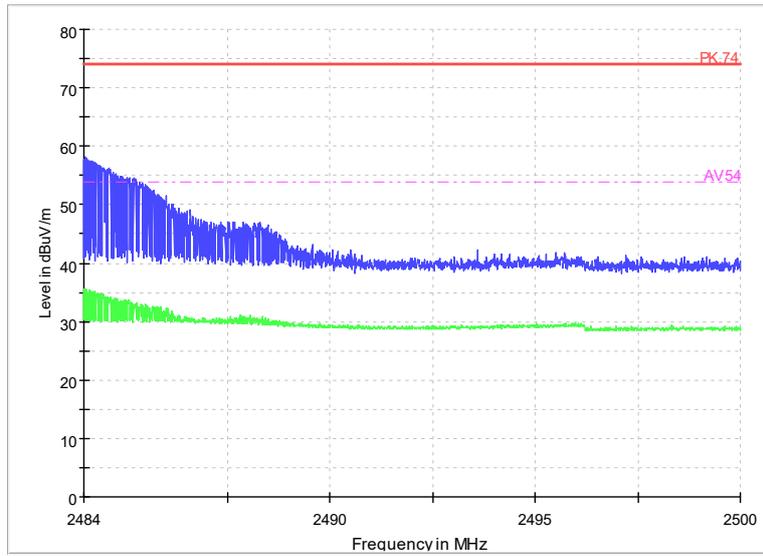
Radiated Emission Band Edge  
Channel No.:11  
Test Mode: 802.11be(EHT20)  
Polarization: H



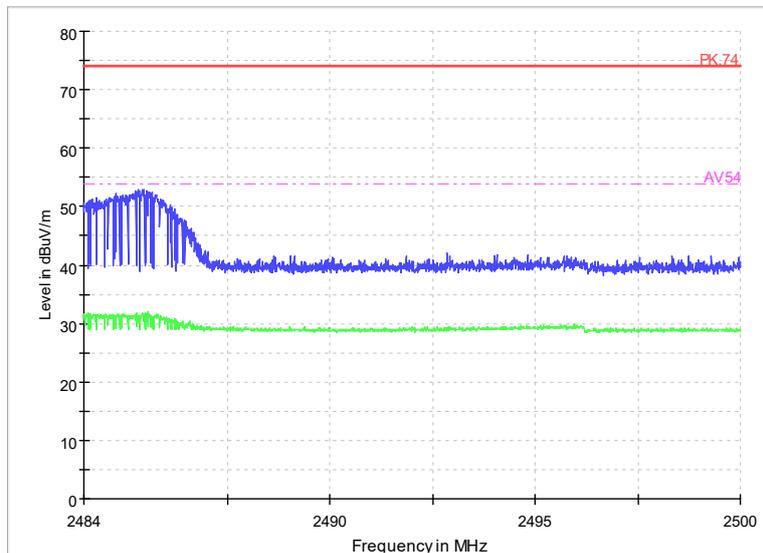
Radiated Emission Band Edge  
Channel No.:3  
Test Mode: 802.11be(EHT40)  
Polarization: V



Radiated Emission Band Edge  
Channel No.:3  
Test Mode: 802.11be(EHT40)  
Polarization: H



Radiated Emission Band Edge  
Channel No.:9  
Test Mode: 802.11be(EHT40)  
Polarization: V



Radiated Emission Band Edge  
Channel No.:9  
Test Mode: 802.11be(EHT40)  
Polarization: H



**Radiated Emission**

After comparison, the worst case attitude is EUT lay down.

**Determining Spurious Emissions Levels**

A “reference path loss” is established and the  $A_{Rpl}$  is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

Result=  $P_{mea} + A_{Rpl}$

Sample calculation:  $(12.16\text{dB}\mu\text{V/m}) = (24.76\text{dB}\mu\text{V}) + (-12.6\text{dB/m})$ , the corresponding frequency is 30.097MHz.

For 802.11b、802.11g is ANT8 For 802.11n(HT20/HT40) 、802.11ax (HE20/HE40)is ANT MIMO

**For 802.11b Channel No.:1**

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.097	12.16	-12.6	24.76	Vertical	40	27.84
81.022	18.61	-23.7	42.31	Vertical	40	21.39
111.383	20.16	-21.6	41.76	Vertical	43.5	23.34
228.7045	13.49	-21.2	34.69	Vertical	46	32.51
526.8825	11.28	-11.6	22.88	Vertical	46	34.72
913.3305	16.68	-4.5	21.18	Vertical	46	29.32

**For 802.11g Channel No.:1**

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.1455	12.01	-12.6	24.61	Vertical	40	27.99
81.022	18.94	-23.7	42.64	Vertical	40	21.06
111.3345	18.88	-21.6	40.48	Vertical	43.5	24.62
228.753	13.37	-21.2	34.57	Vertical	46	32.63
516.1155	10.87	-11.7	22.57	Vertical	46	35.13
887.6255	16.17	-5	21.17	Vertical	46	29.83

**For 802.11n(HT20) Channel No.:1**

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.194	11.88	-12.6	24.48	Vertical	40	28.12
81.022	18.77	-23.7	42.47	Vertical	40	21.23
111.4315	19.61	-21.6	41.21	Vertical	43.5	23.89
229.432	13.24	-21.2	34.44	Vertical	46	32.76
501.0805	10.6	-12.1	22.7	Vertical	46	35.4
955.089	17.01	-4	21.01	Vertical	46	28.99

**For 802.11ax(HE20) Channel No.:1**



Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.7275	10.73	-12.9	23.63	Vertical	40	29.27
81.0705	18.79	-23.7	42.49	Vertical	40	21.21
111.383	19.59	-21.6	41.19	Vertical	43.5	23.91
228.7045	13.54	-21.2	34.74	Vertical	46	32.46
517.522	10.87	-11.8	22.67	Vertical	46	35.13
907.1225	16.54	-4.7	21.24	Vertical	46	29.46

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.2865	10.11	-15.2	25.31	Vertical	40	29.89
80.9735	17.62	-23.7	41.32	Vertical	40	22.38
115.457	18.12	-21.5	39.62	Vertical	43.5	25.38
213.621	10.11	-22	32.11	Vertical	43.5	33.39
556.7585	10.73	-11.1	21.83	Vertical	46	35.27
918.8595	16.74	-4.4	21.14	Vertical	46	29.26

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.291	11.81	-12.7	24.51	Vertical	40	28.19
80.9735	17.67	-23.7	41.37	Vertical	40	22.33
111.383	19.29	-21.6	40.89	Vertical	43.5	24.21
233.9425	13.09	-21	34.09	Vertical	46	32.91
492.69	10.27	-12.3	22.57	Vertical	46	35.73
898.1985	16.43	-4.8	21.23	Vertical	46	29.57

For 802.11n(HT20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
35.6745	9.89	-15.4	25.29	Vertical	40	30.11
81.022	18.79	-23.7	42.49	Vertical	40	21.21
111.6255	18.84	-21.6	40.44	Vertical	43.5	24.66
229.82	13.24	-21.1	34.34	Vertical	46	32.76
515.291	10.88	-11.7	22.58	Vertical	46	35.12
944.807	17.03	-4.1	21.13	Vertical	46	28.97

For 802.11ax(HE20) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
33.3465	10.35	-14.3	24.65	Vertical	40	29.65
81.022	18.98	-23.7	42.68	Vertical	40	21.02



111.383	19.48	-21.6	41.08	Vertical	43.5	24.02
232.0025	13.6	-21	34.6	Vertical	46	32.4
520.4805	11.06	-11.8	22.86	Vertical	46	34.94
916.0465	16.65	-4.5	21.15	Vertical	46	29.36

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
33.783	10.61	-14.5	25.11	Vertical	40	29.39
81.022	18.89	-23.7	42.59	Vertical	40	21.11
111.4315	20.26	-21.6	41.86	Vertical	43.5	23.24
230.984	13.78	-21.1	34.88	Vertical	46	32.22
522.1295	11.09	-11.7	22.79	Vertical	46	34.91
946.8925	17.09	-4.1	21.19	Vertical	46	28.91

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
34.074	10.74	-14.6	25.34	Vertical	40	29.26
81.022	18.36	-23.7	42.06	Vertical	40	21.64
111.48	20.05	-21.6	41.65	Vertical	43.5	23.45
229.723	13.14	-21.1	34.24	Vertical	46	32.86
511.6535	10.76	-11.8	22.56	Vertical	46	35.24
881.078	15.99	-5.1	21.09	Vertical	46	30.01

For 802.11n(HT20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.4365	11.36	-12.8	24.16	Vertical	40	28.64
81.022	18.23	-23.7	41.93	Vertical	40	21.77
112.7895	18.68	-21.5	40.18	Vertical	43.5	24.82
228.85	13.02	-21.2	34.22	Vertical	46	32.98
521.79	11.03	-11.7	22.73	Vertical	46	34.97
893.979	16.3	-4.9	21.2	Vertical	46	29.7

For 802.11ax(HE20) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.873	10.41	-13	23.41	Vertical	40	29.59
81.022	18.18	-23.7	41.88	Vertical	40	21.82
111.4315	19.89	-21.6	41.49	Vertical	43.5	23.61
230.9355	13.04	-21.1	34.14	Vertical	46	32.96
518.977	10.94	-11.8	22.74	Vertical	46	35.06
931.9545	16.94	-4.3	21.24	Vertical	46	29.06



For 802.11n(HT40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.388	11.58	-12.7	24.28	Vertical	40	28.42
81.022	16.75	-23.7	40.45	Vertical	40	23.25
111.383	18.81	-21.6	40.41	Vertical	43.5	24.69
231.0325	12.97	-21.1	34.07	Vertical	46	33.03
556.9525	10.77	-11.1	21.87	Vertical	46	35.23
948.7355	17.08	-4.1	21.18	Vertical	46	28.92

For 802.11ax(HE40) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
33.8315	10.81	-14.5	25.31	Vertical	40	29.19
81.0705	18.28	-23.7	41.98	Vertical	40	21.72
109.4915	18.54	-21.7	40.24	Vertical	43.5	24.96
231.4205	13.2	-21.1	34.3	Vertical	46	32.8
541.1415	11.14	-11.3	22.44	Vertical	46	34.86
955.865	17.05	-4	21.05	Vertical	46	28.95

For 802.11n(HT40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
33.9285	10.83	-14.5	25.33	Vertical	40	29.17
81.022	17.78	-23.7	41.48	Vertical	40	22.22
111.383	18.25	-21.6	39.85	Vertical	43.5	25.25
229.7715	12.99	-21.1	34.09	Vertical	46	33.01
520.8685	11.02	-11.8	22.82	Vertical	46	34.98
911.342	16.6	-4.6	21.2	Vertical	46	29.4

For 802.11ax(HE40) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.0485	12.21	-12.6	24.81	Vertical	40	27.79
81.0705	18.36	-23.7	42.06	Vertical	40	21.64
112.7895	17.39	-21.5	38.89	Vertical	43.5	26.11
212.6995	10.01	-22	32.01	Vertical	43.5	33.49
502.972	10.43	-12	22.43	Vertical	46	35.57
929.19	16.86	-4.3	21.16	Vertical	46	29.14

For 802.11n(HT40) Channel No.:9

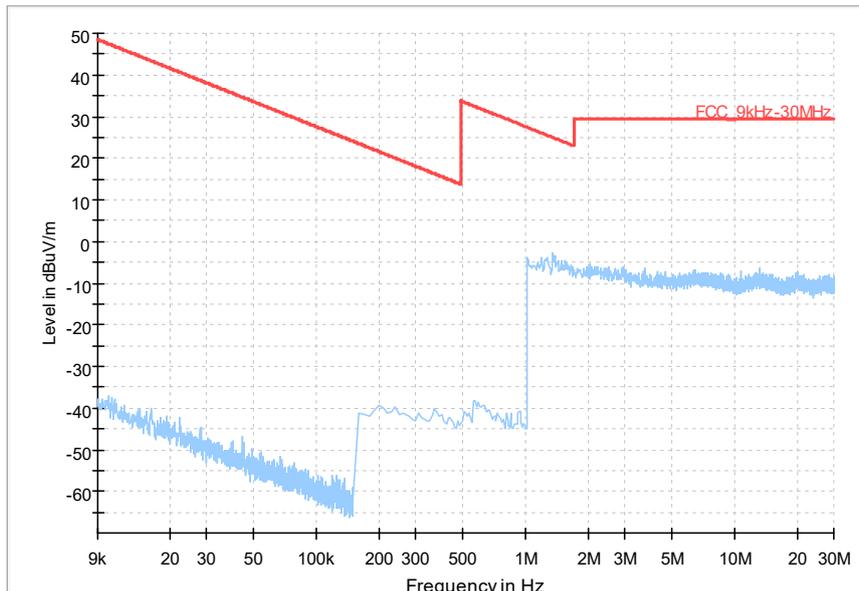


Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
30.5335	11.22	-12.8	24.02	Vertical	40	28.78
81.022	18.14	-23.7	41.84	Vertical	40	21.86
113.517	17.64	-21.5	39.14	Vertical	43.5	25.86
215.852	10.25	-21.9	32.15	Vertical	43.5	33.25
486.967	9.98	-12.4	22.38	Vertical	46	36.02
919.684	16.81	-4.4	21.21	Vertical	46	29.19

For 802.11ax(HE40) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	Pmea (dBuV/m)	Polarity	Limit (dBuV/m)	Margin (dB)
34.9955	12.16	-15.1	27.26	Vertical	40	27.84
81.022	21.08	-23.7	44.78	Vertical	40	18.92
111.189	21.22	-21.6	42.82	Vertical	43.5	22.28
230.0625	14.15	-21.1	35.25	Vertical	46	31.85
489.1495	10.26	-12.4	22.66	Vertical	46	35.74
906.3465	16.45	-4.7	21.15	Vertical	46	29.55

Full Spectrum

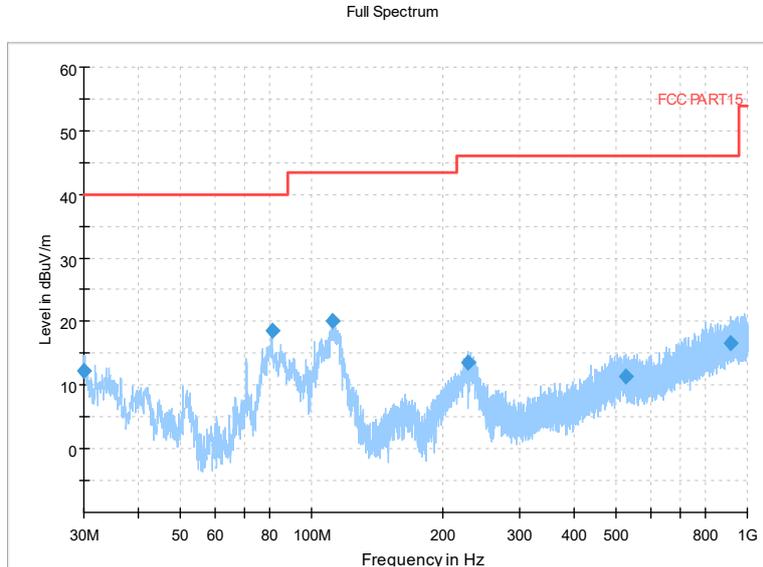


Frequency Range: 9kHz -30MHz

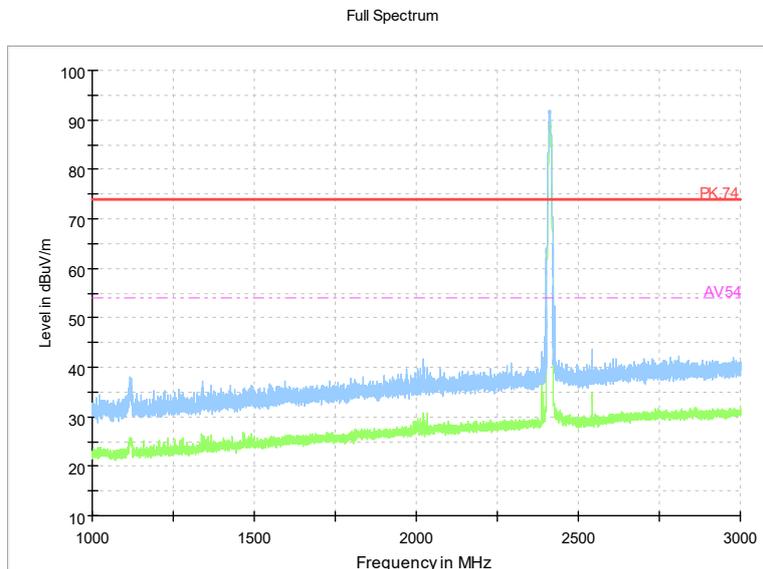
Detector: QP mode

Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Carrier frequency (MHz): 2412  
Channel No.:1



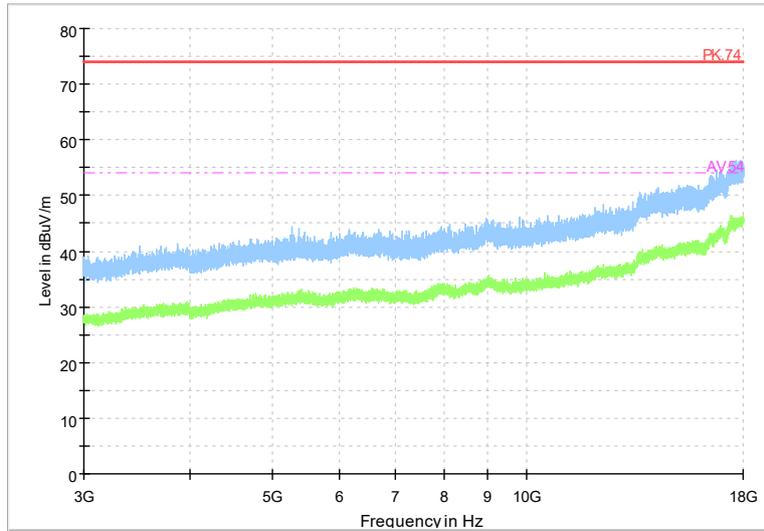
Frequency Range 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b



Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

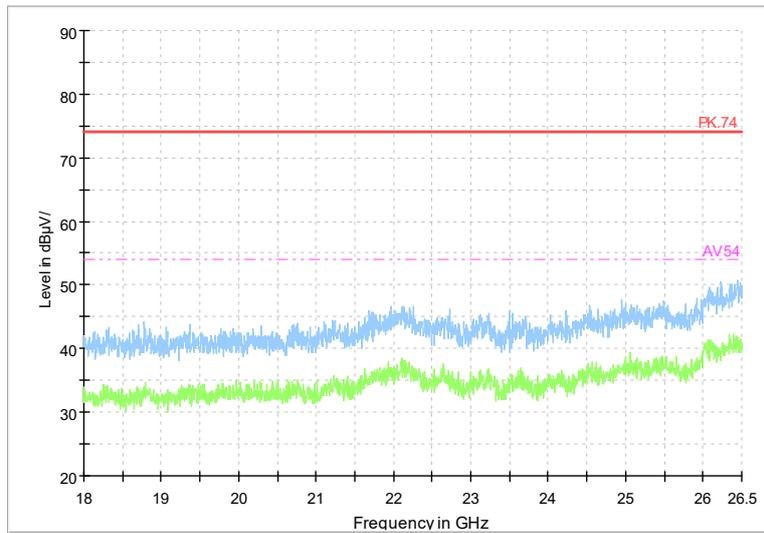


Full Spectrum



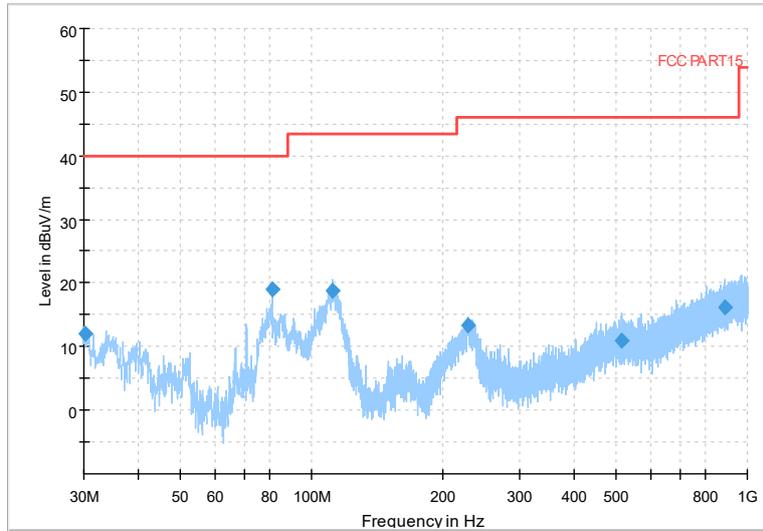
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



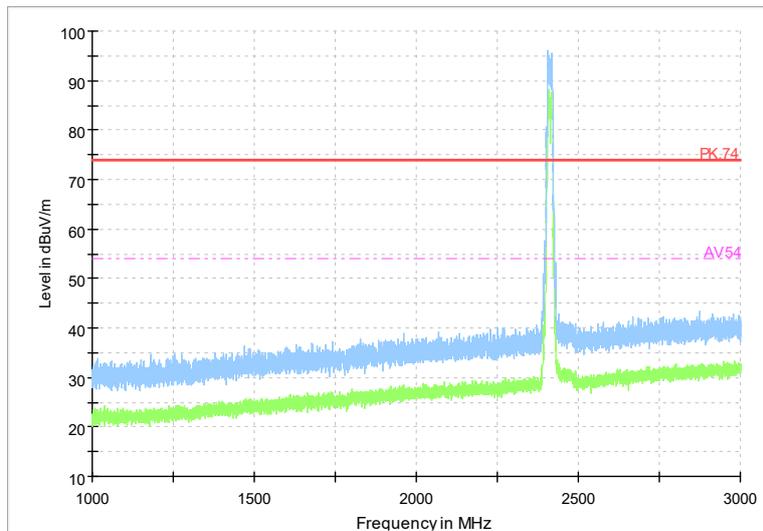
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



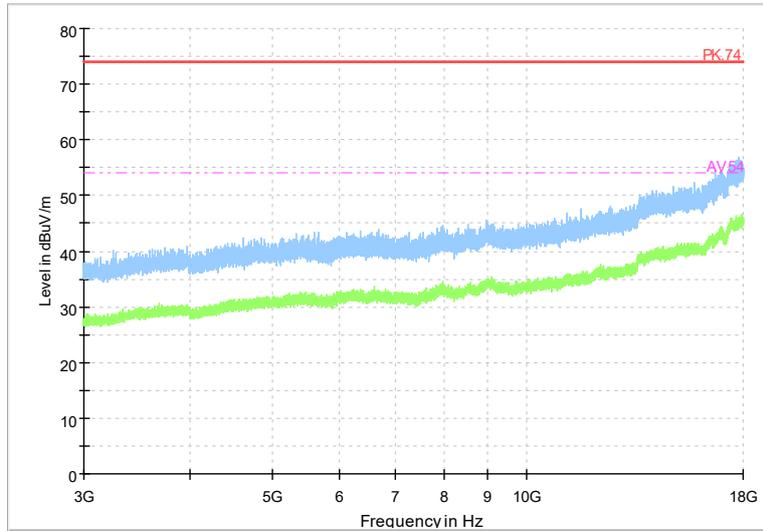
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



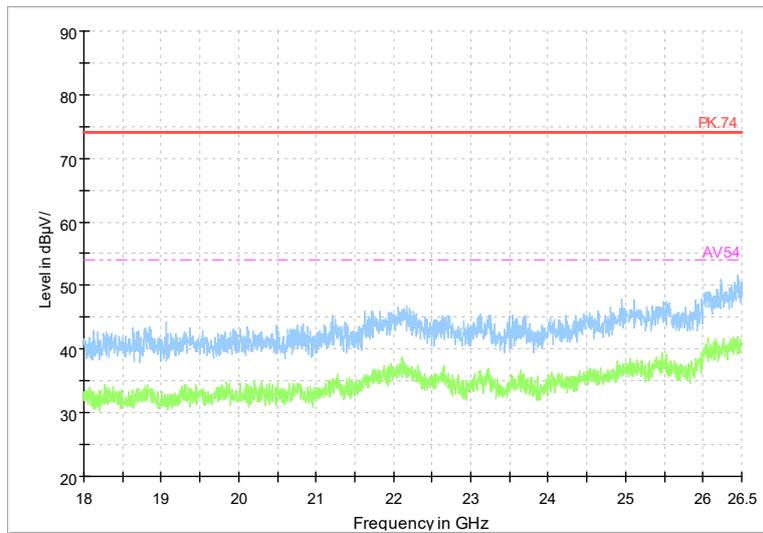
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



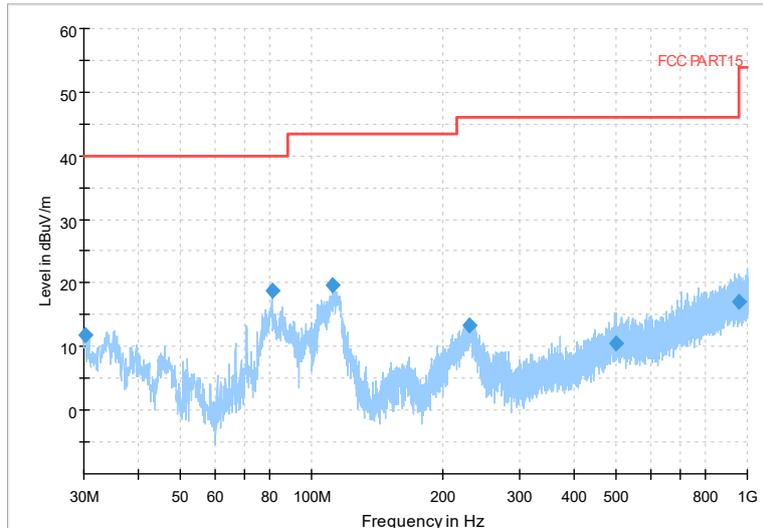
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



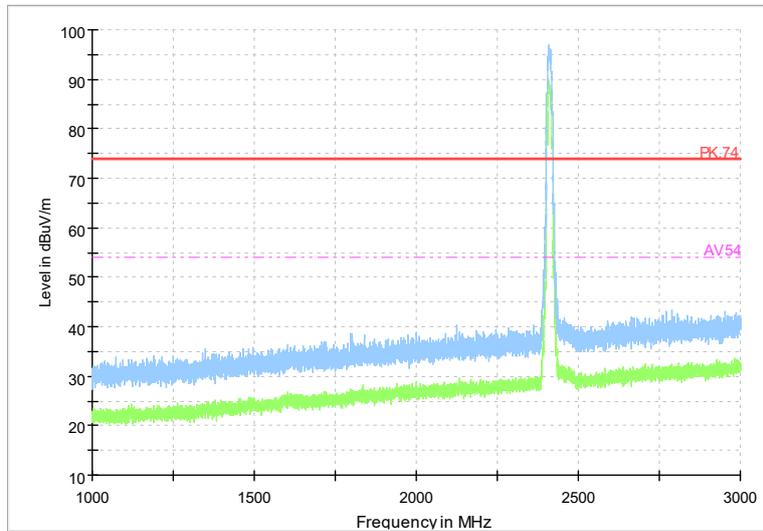
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



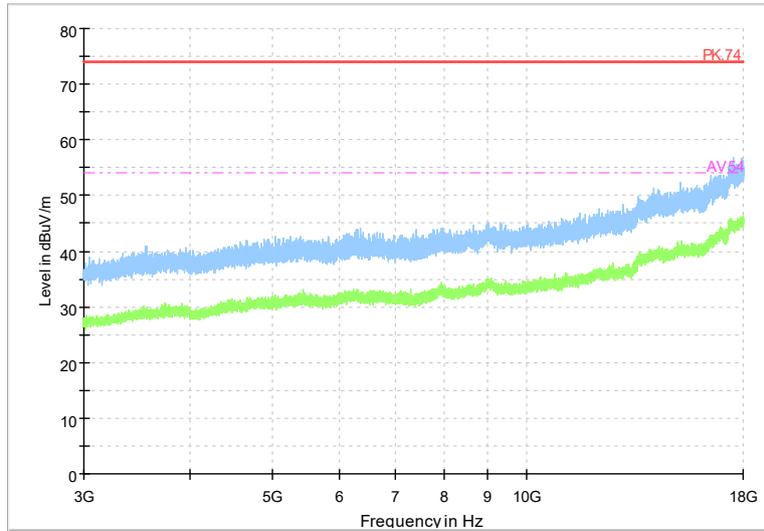
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



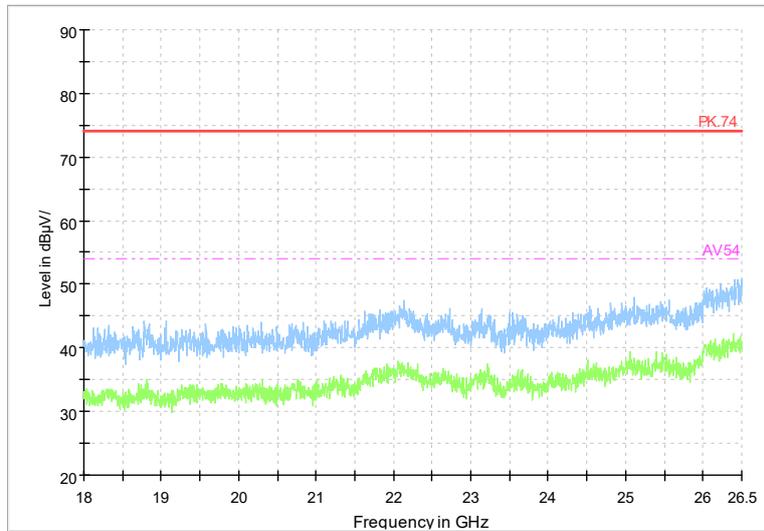
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



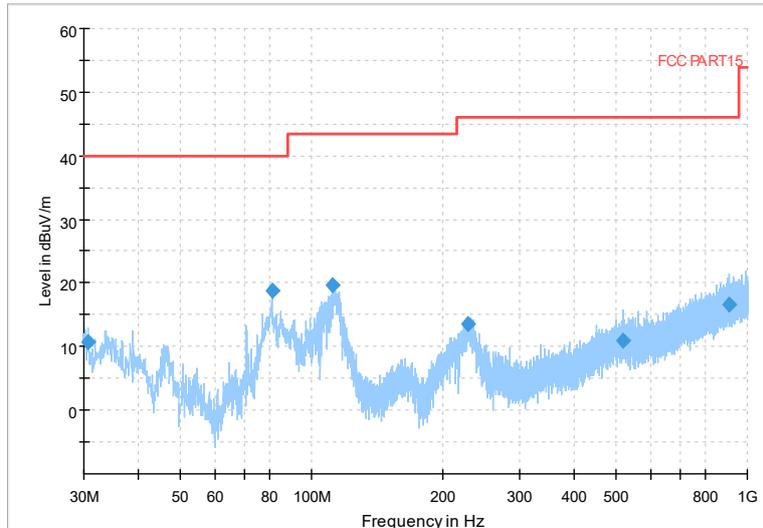
Frequency Range: 3GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



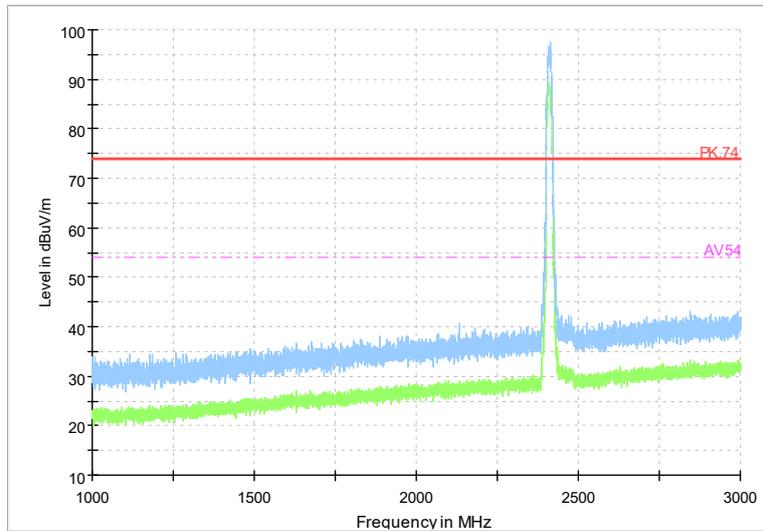
Frequency Range: 18GHz -26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

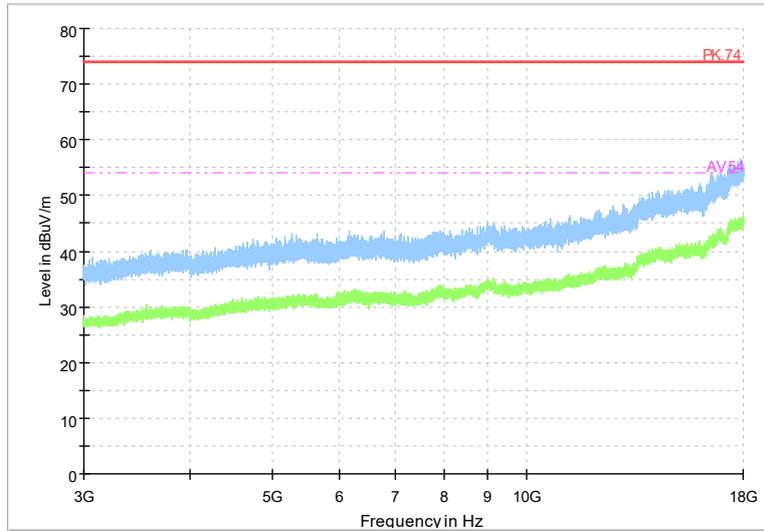
Full Spectrum



Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

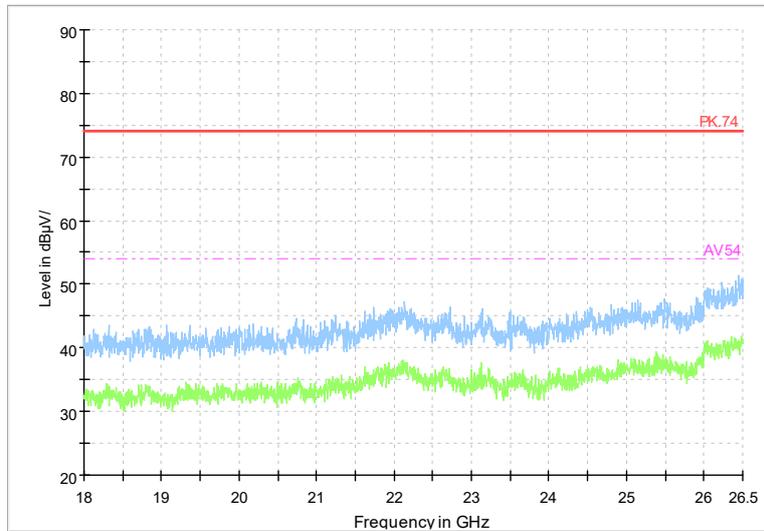


Full Spectrum



Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

Full Spectrum



Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

Carrier frequency (MHz): 2437

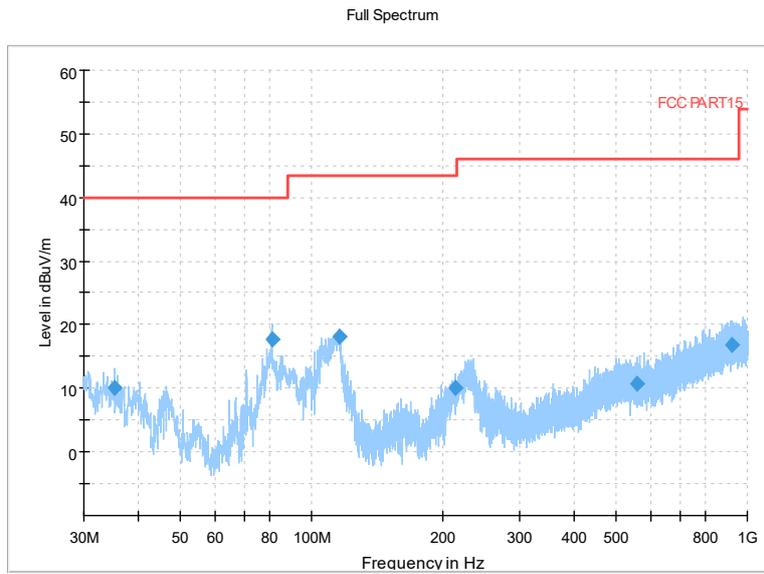
The State Radio\_monitoring\_centerTesting Center (SRTC)

Tel: 86-10-57996183

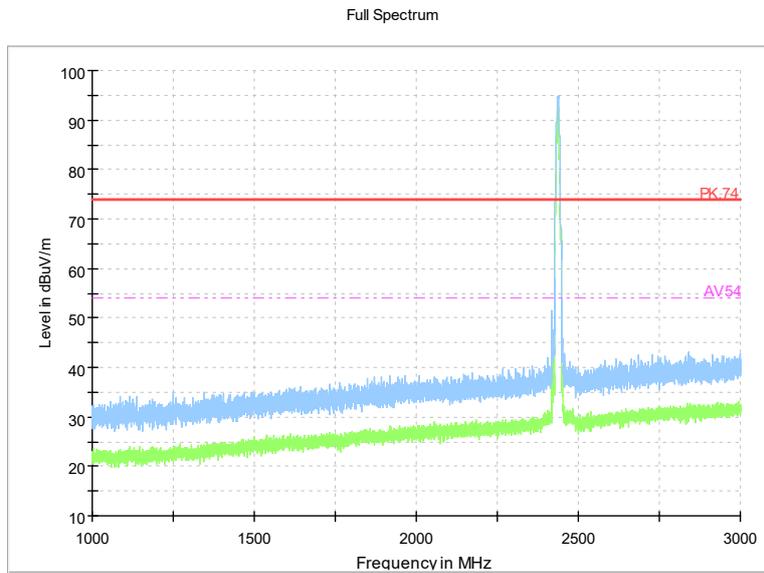
Fax:86-10-57996388



Channel No.:6

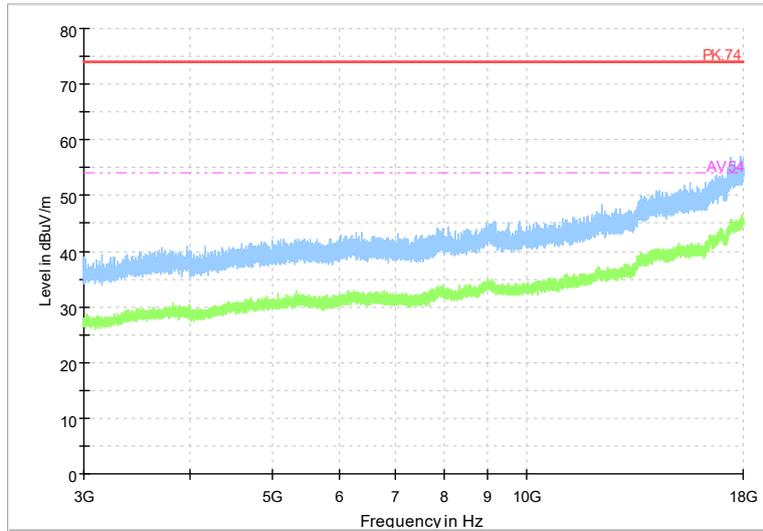


Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b



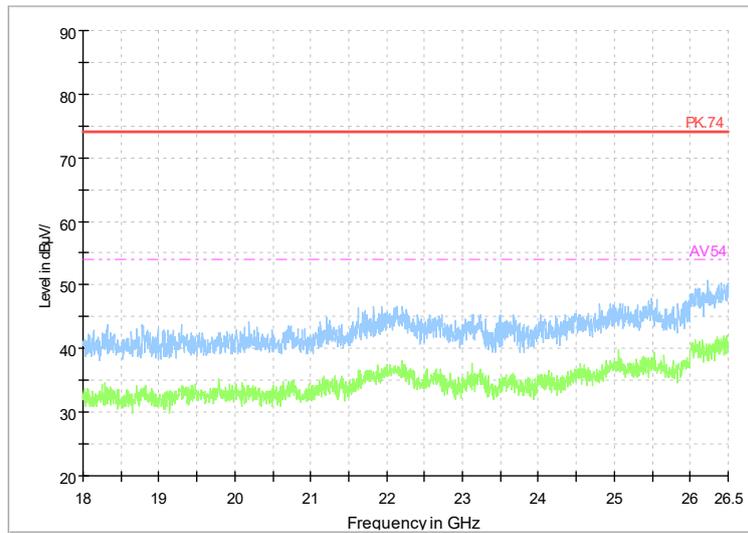
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



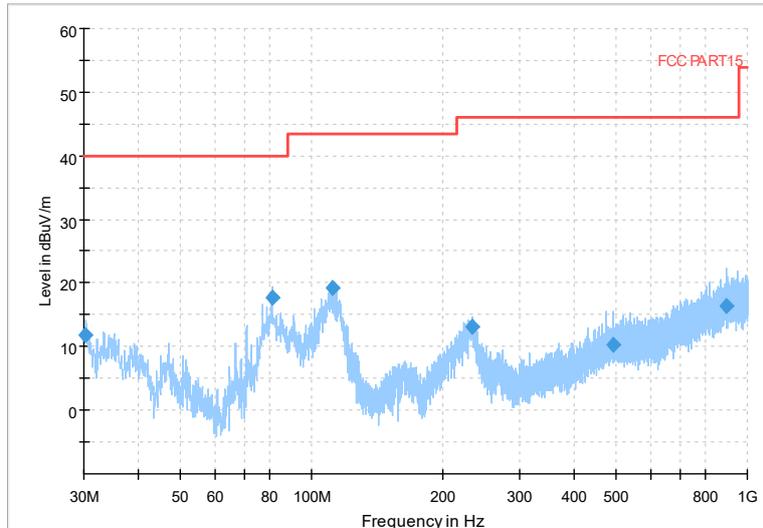
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



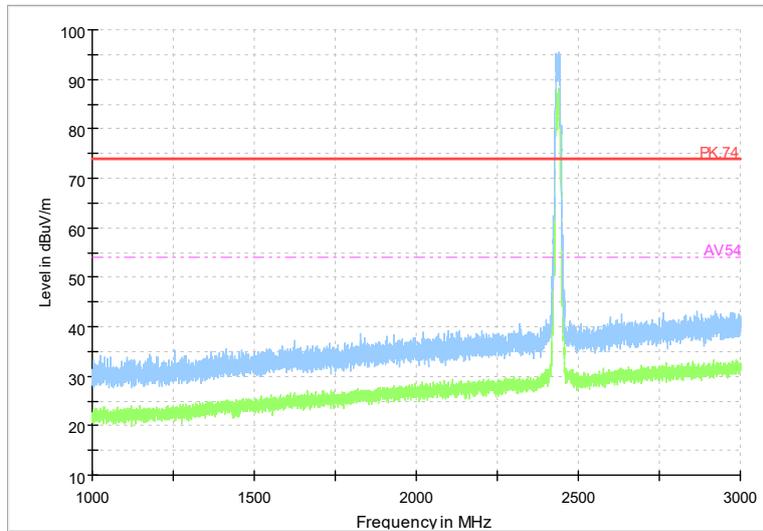
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



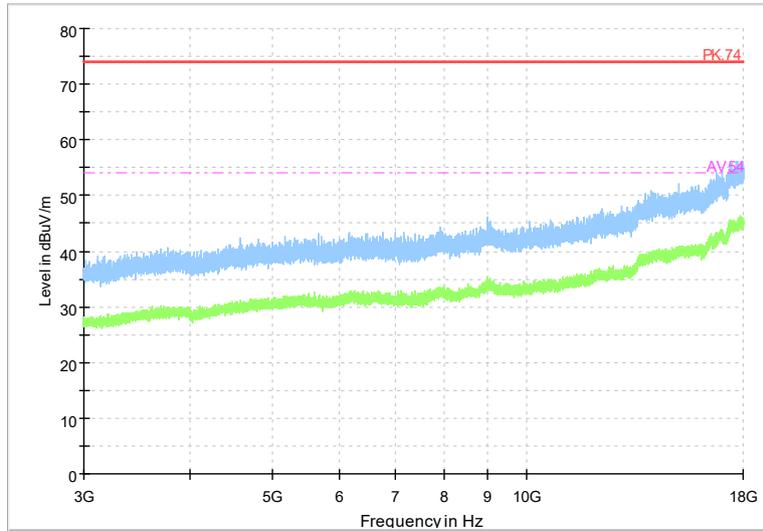
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



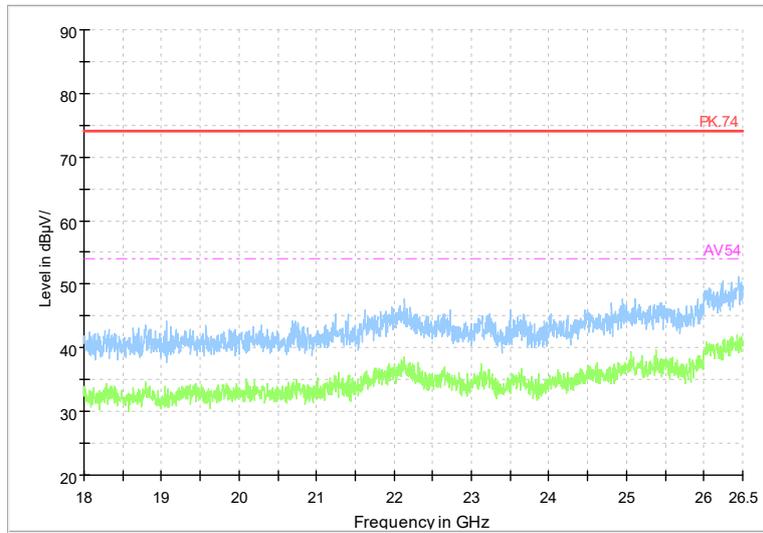
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



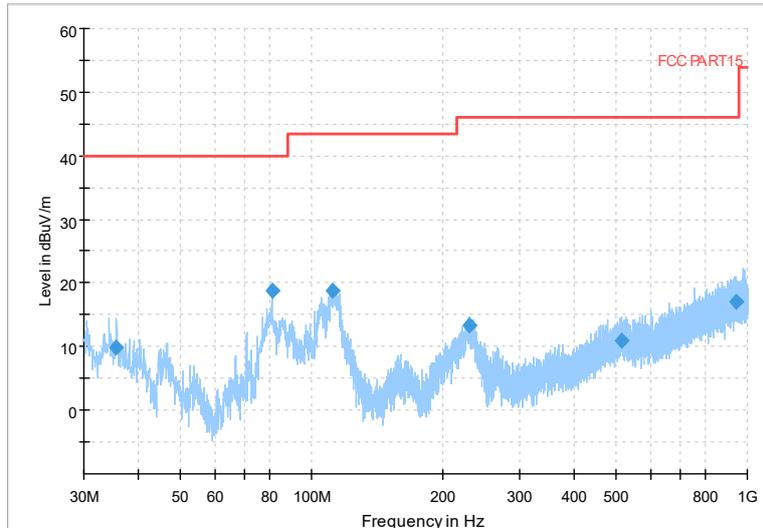
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



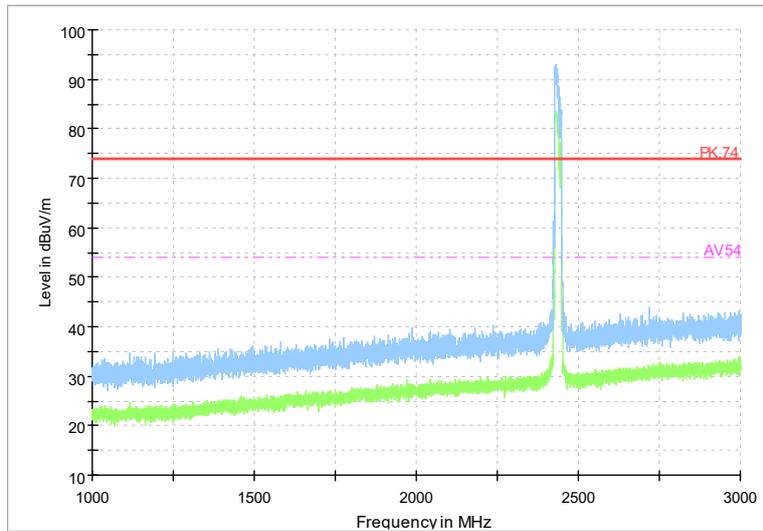
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



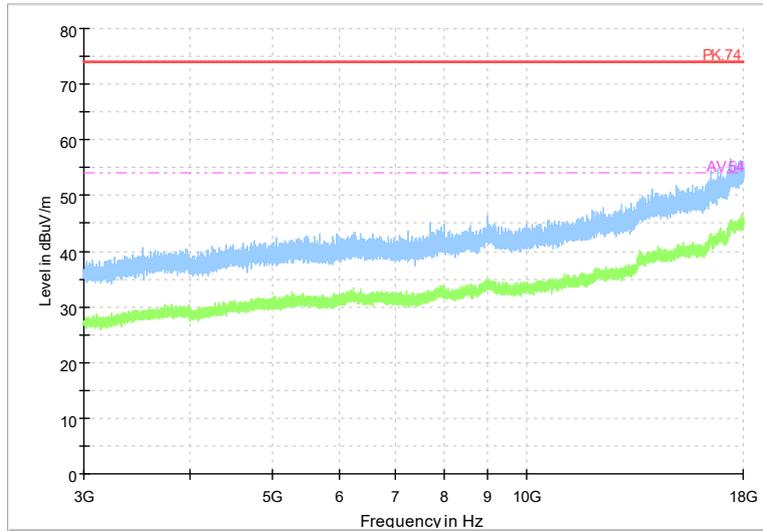
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



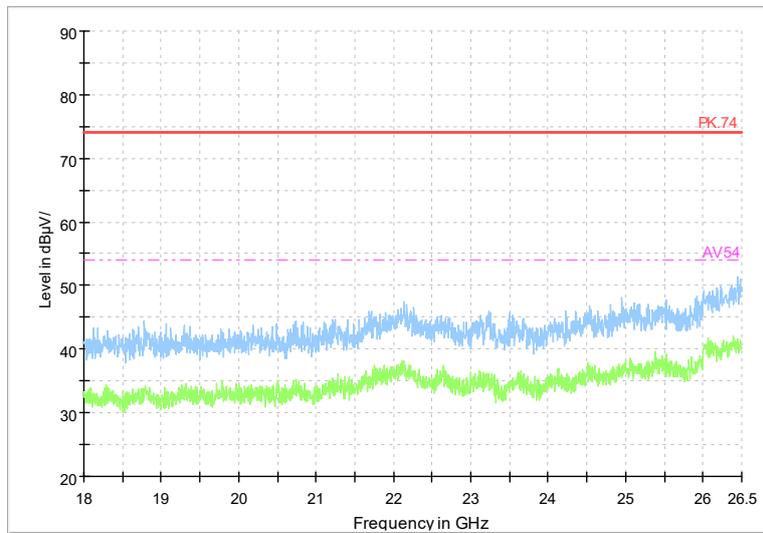
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



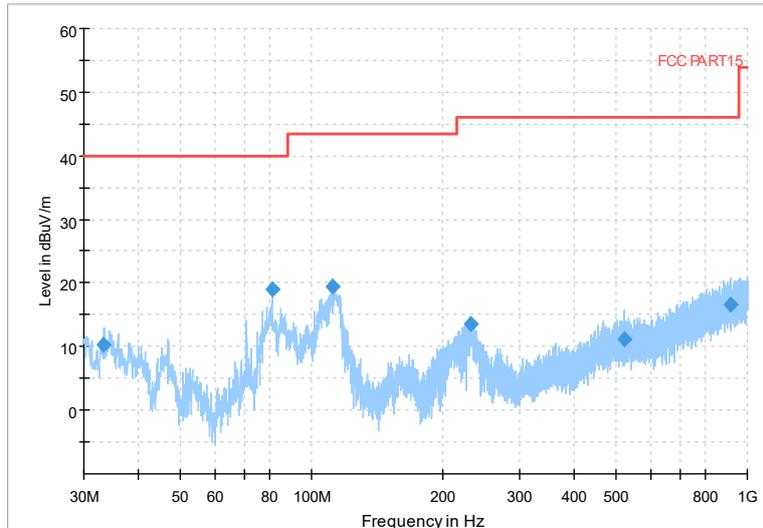
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



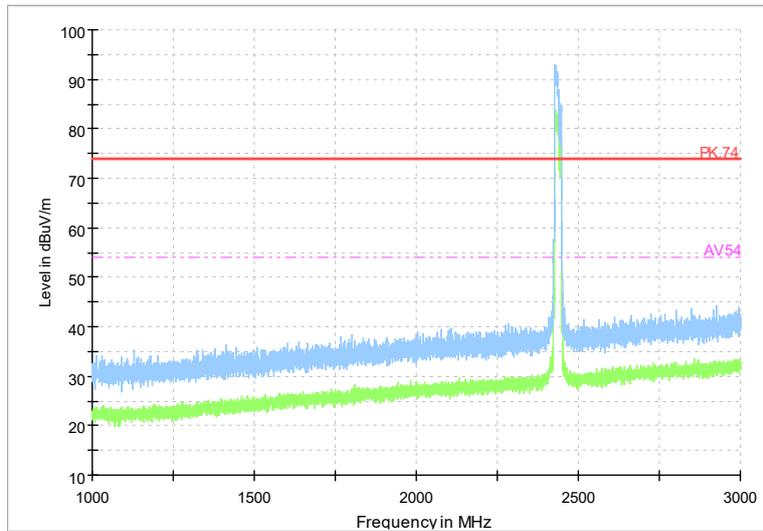
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

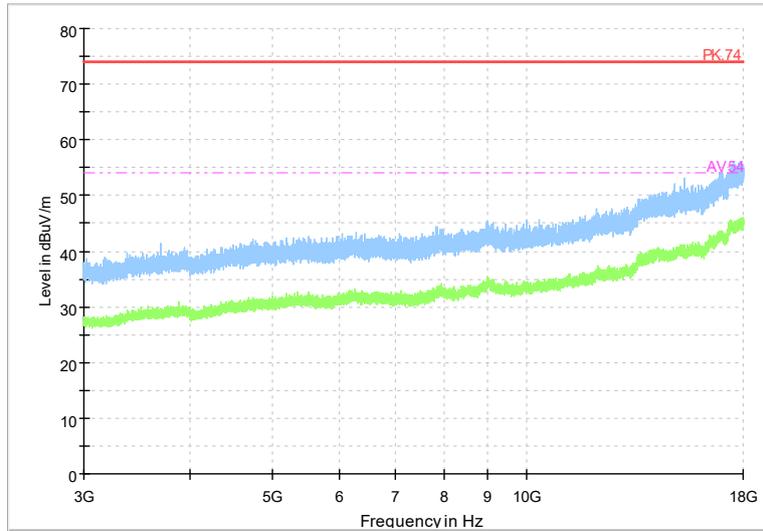
Full Spectrum



Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

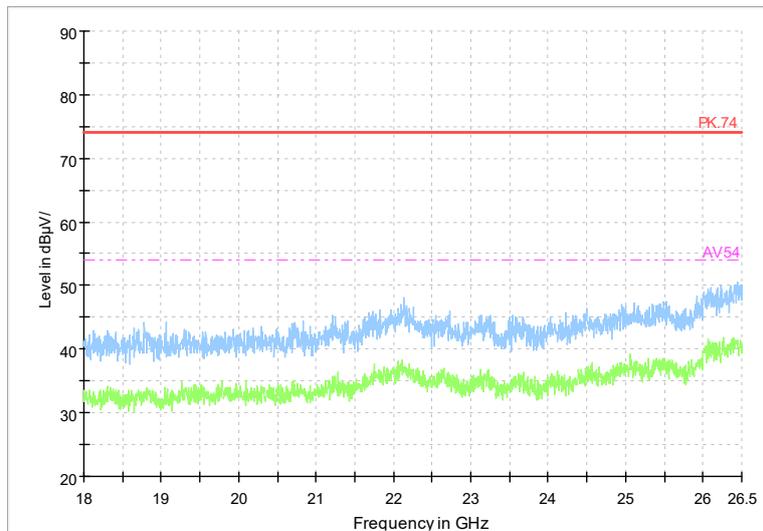


Full Spectrum



Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

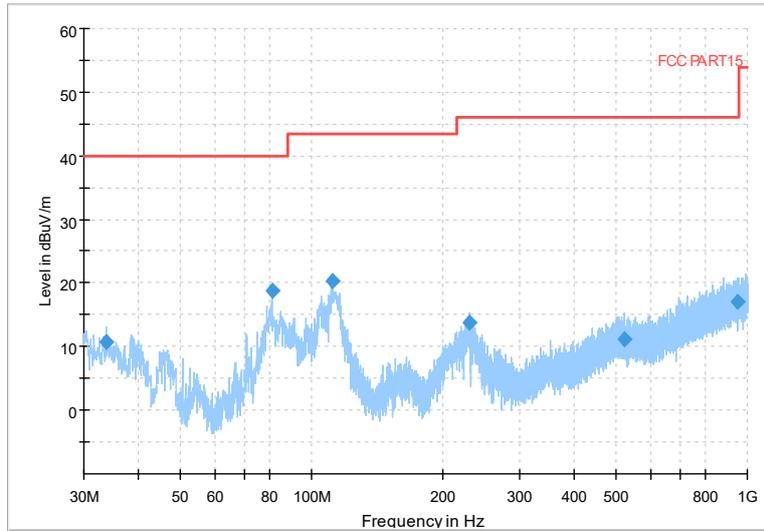
Full Spectrum



Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

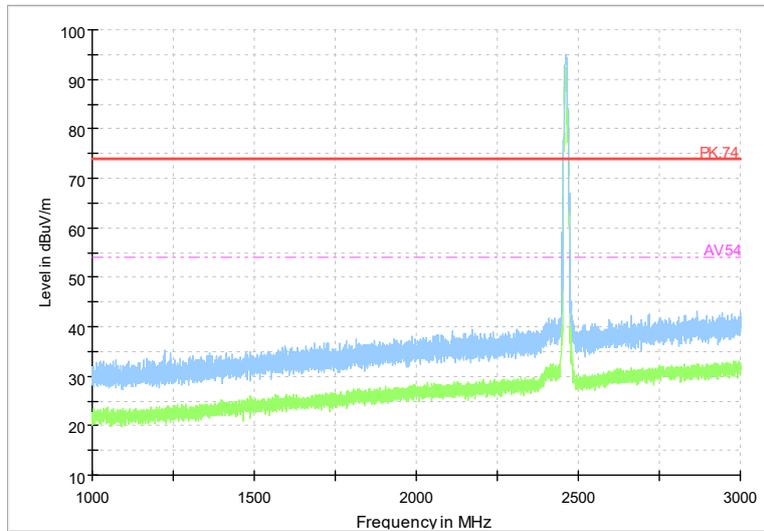
Carrier frequency (MHz): 2462  
Channel No.:11

Full Spectrum



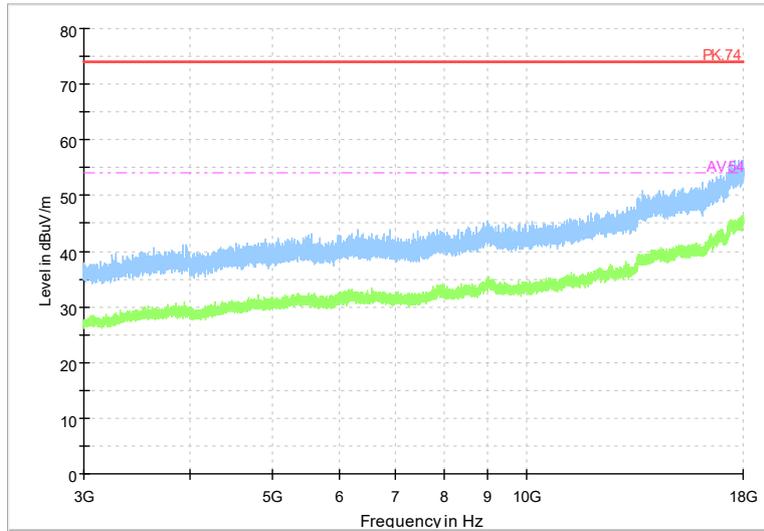
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



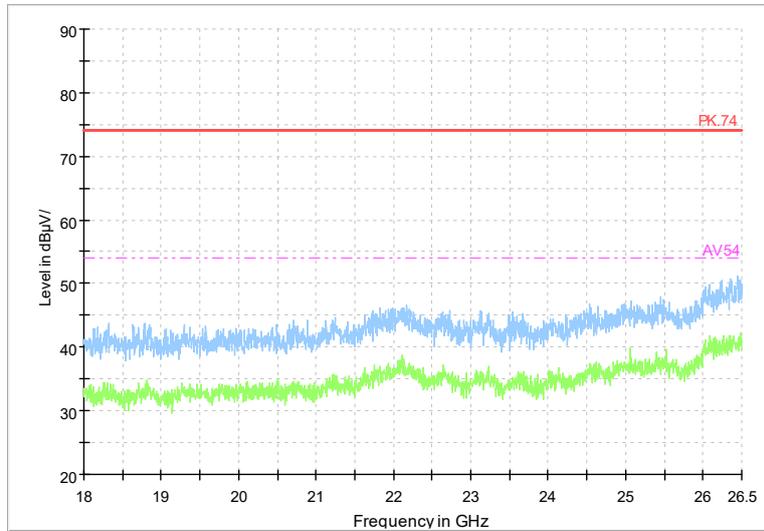
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



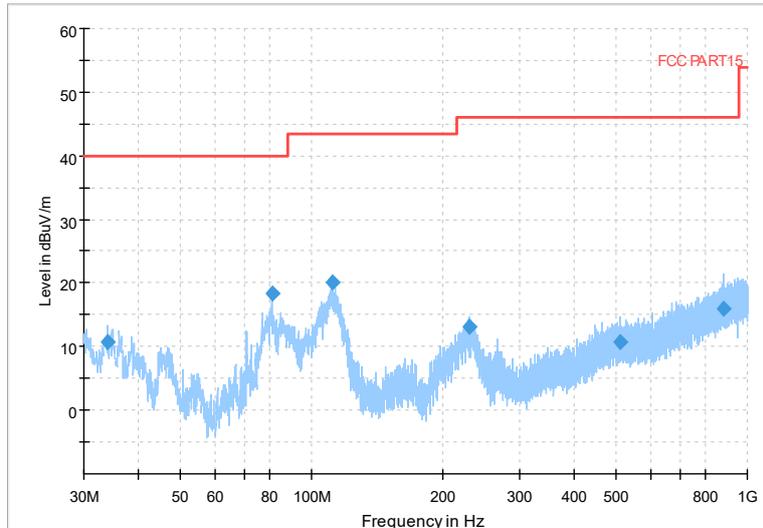
Frequency Range: 3GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



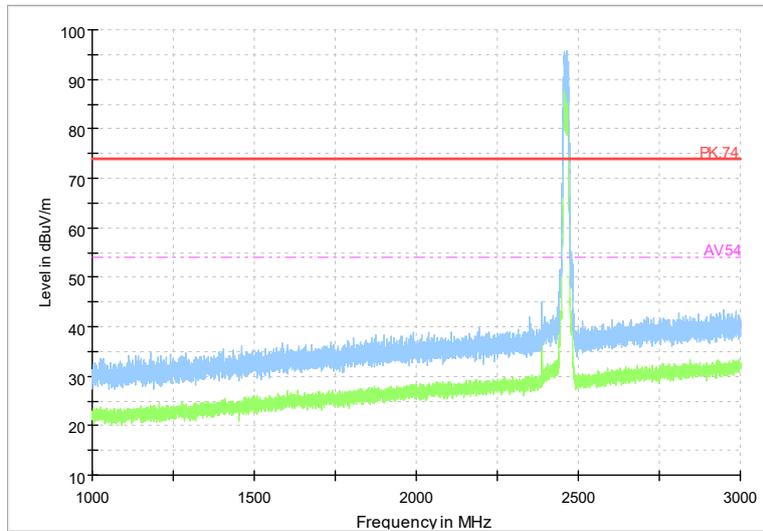
Frequency Range: 18GHz -26GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



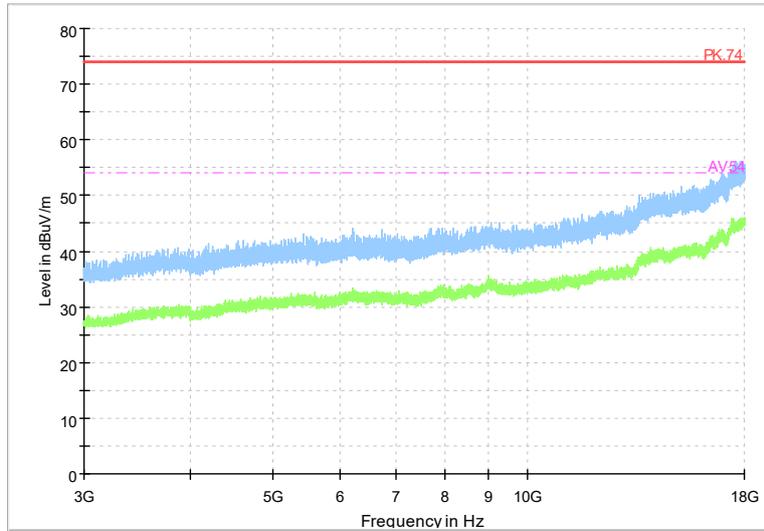
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



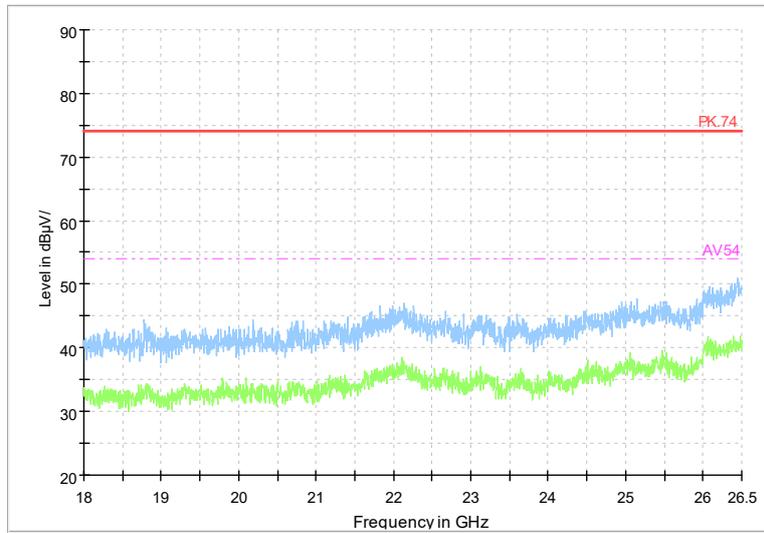
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



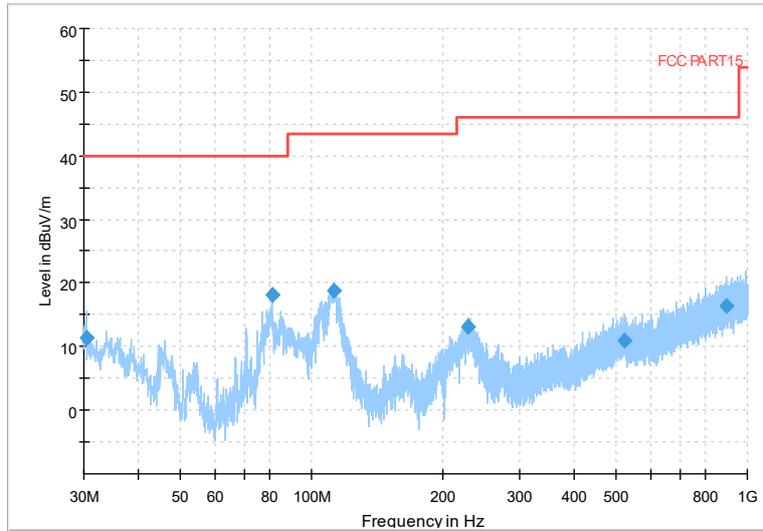
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



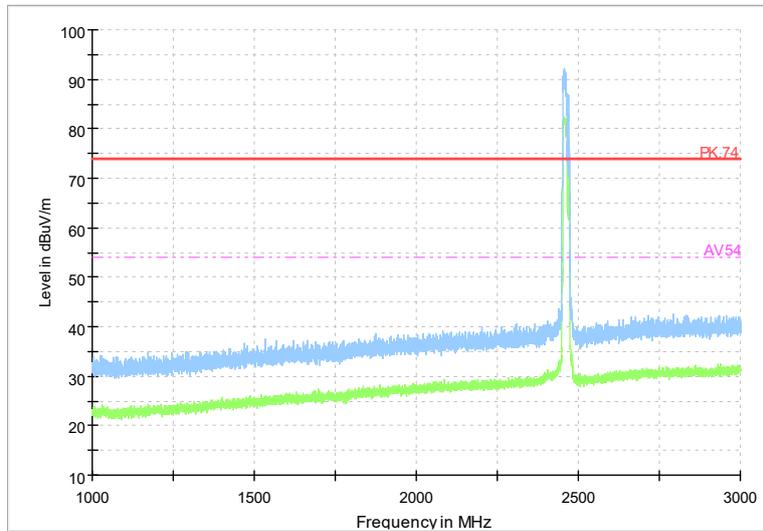
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11g

Full Spectrum



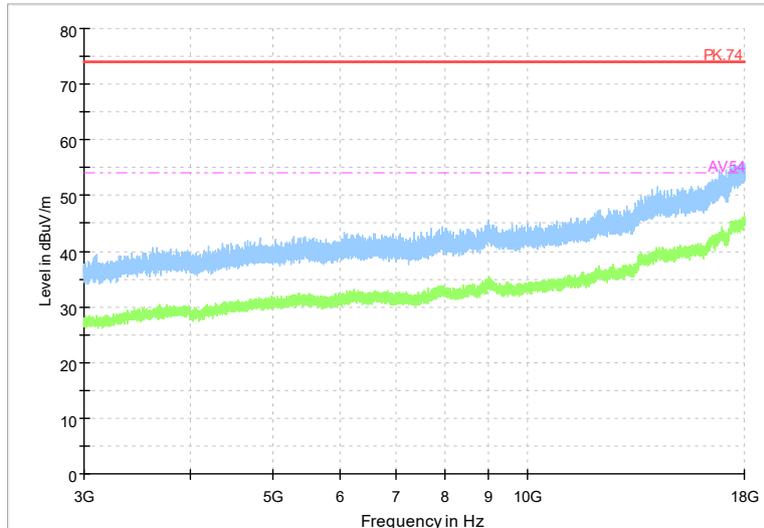
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



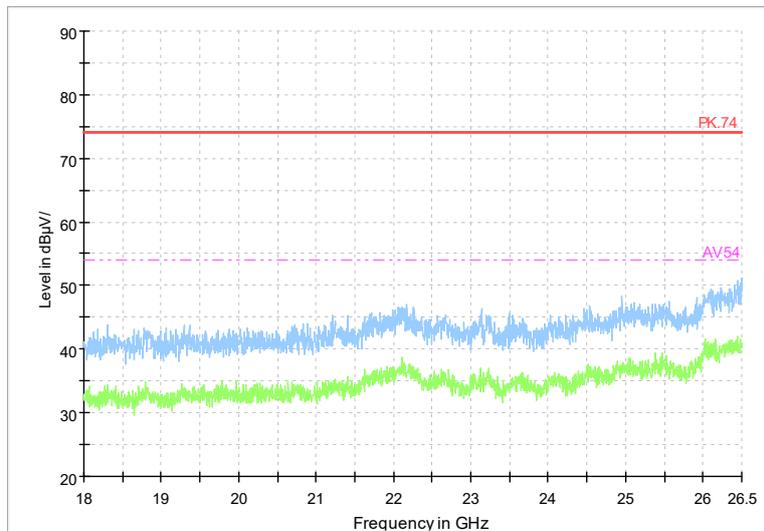
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



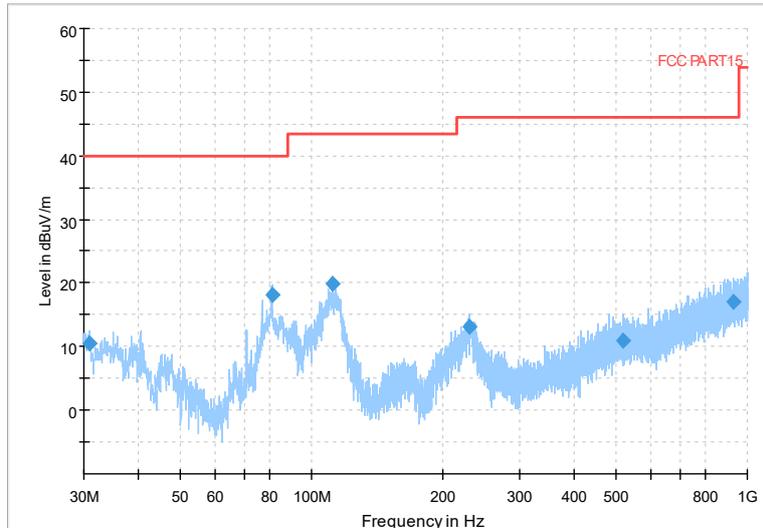
Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



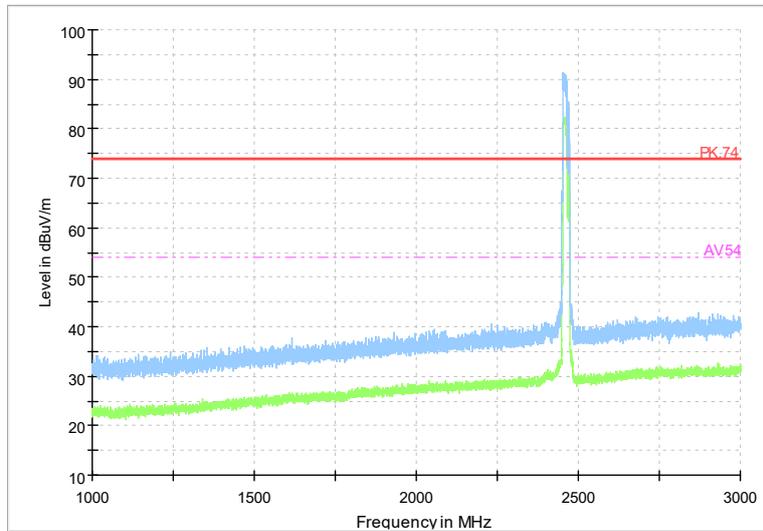
Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT20)

Full Spectrum



Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

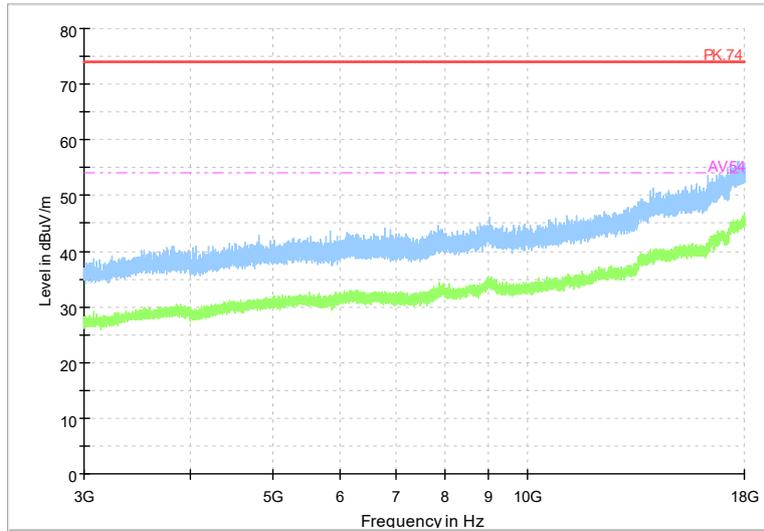
Full Spectrum



Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

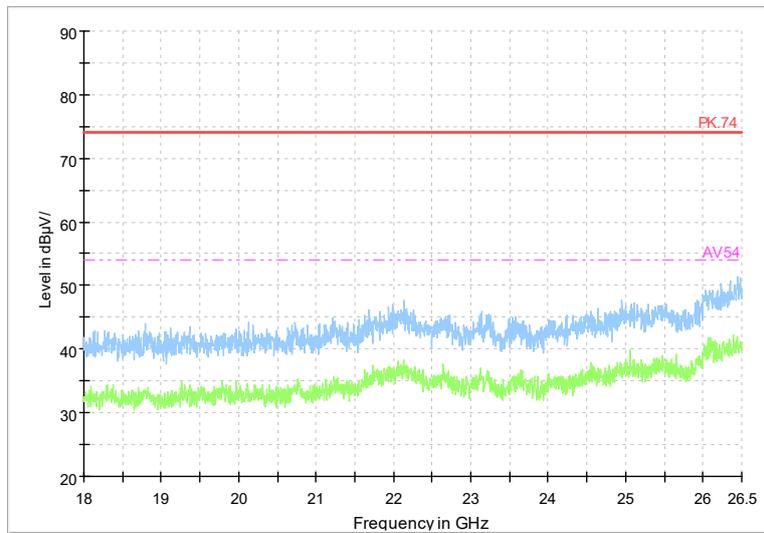


Full Spectrum



Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

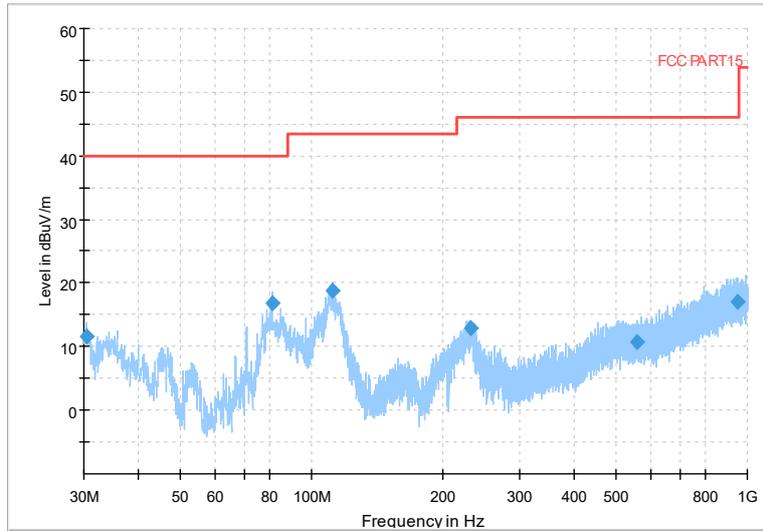
Full Spectrum



Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11 ax(HE20)

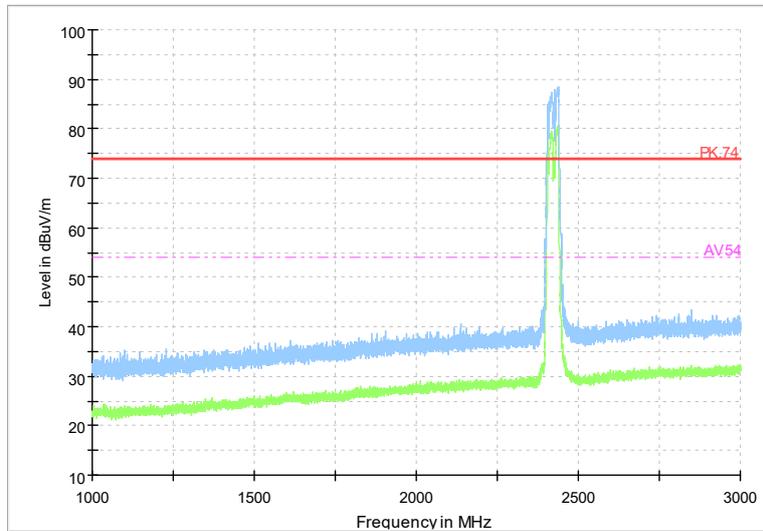
Carrier frequency (MHz): 2422  
Channel No.:3

Full Spectrum



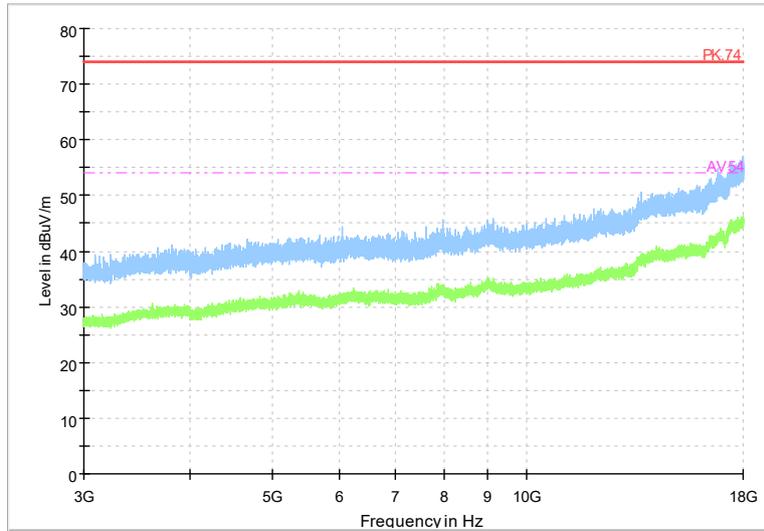
Frequency Range: 30MHz -1GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)

Full Spectrum



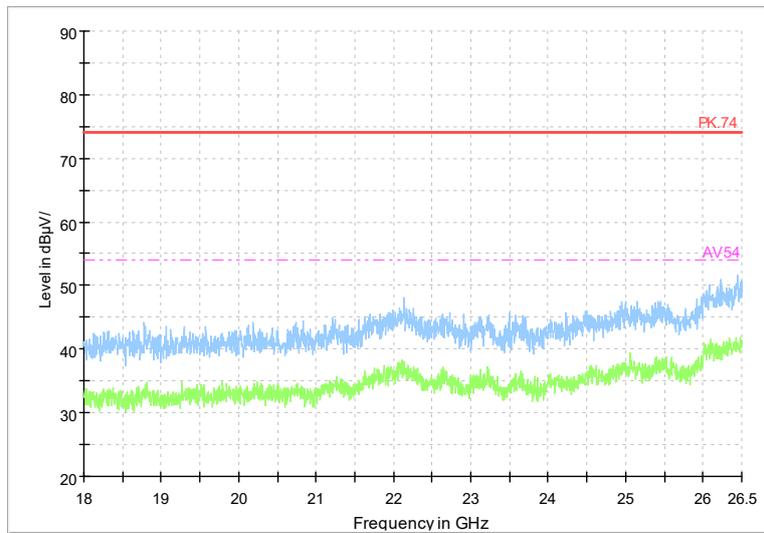
Frequency Range: 1GHz -3GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 3GHz -18GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)

Full Spectrum



Frequency Range: 18GHz -26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11n(HT40)