

TEST REPORT FOR WLAN TESTING

Report No.: SRTC2022-9004(F)-22121601(F)

Product Name: Smart Phone

Model Name: PGT-N19

Applicant: Honor Device Co., Ltd.

Manufacturer: Honor Device Co., Ltd.

Specification: FCC Part 15 Subpart C (2021)

FCC ID: 2AYGCPGT-N19

The State Radio_monitoring_center Testing Center (SRTC)

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

Tel: 86-10-57996183 Fax: 86-10-57996388

CONTENTS

1. GENERAL INFORMATION.....	2
2 DESCRIPTION OF THE DEVICE UNDER TEST.....	3
3 REFERENCE SPECIFICATION.....	6
4 KEY TO NOTES AND RESULT CODES.....	6
5 RESULT SUMMARY.....	7
6 TEST RESULT.....	9
7 MEASUREMENT UNCERTAINTIES.....	21
8 TEST EQUIPMENTS.....	22
APPENDIX A – TEST DATA OF CONDUCTED EMISSION.....	23
APPENDIX B – TEST DATA OF RADIATED EMISSION.....	85

1. GENERAL INFORMATION

1.1 Notes of the test report

The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written permission of The State Radio_monitoring_center Testing Center (SRTC). The test results relate only to individual items of the samples which have been tested. The certification and accreditation identifiers used in this report shall not be applicable to the tested or calibrated samples thereof. The manufacturer shall not mark the tested samples or items (or a separate part of the item) with the identifiers of certification and accreditation to mislead relevant parties about the tested samples or items.

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
Test Site 2:	No.80, Zhaojiachang, Beizang, Daxing District
City:	Beijing
Country or Region:	P.R.China
Contacted person:	Liu Jia
Tel:	+86 10 57996183
Fax:	+86 10 57996388
Email:	liujiaf@srtc.org.cn
Designation Number:	CN1267
Registration number:	239125

1.3 Applicant's details

Company:	Honor Device Co., Ltd.
Address:	Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, China

1.4 Manufacturer's details

Company:	Honor Device Co., Ltd.
Address:	Shum Yip Sky Park, No. 8089, Hongli West Road, Shenzhen, China

1.5 Test Environment

Date of Receipt of test sample at SRTC:	2022-12-16
Testing Start Date:	2022-12-17
Testing End Date:	2023-01-12

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

Normal Supply Voltage (V d.c.):	3.91
Maximum Extreme Supply Voltage (V d.c.):	4.40
Minimum Extreme Supply Voltage (V d.c.):	3.60

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)
Power Supply:	Battery/DC supply
Software Revision:	7.1.0.107(C900E100R1P2)
Hardware Revision:	HN2PGETM
IMEI:	866456060024582
Antenna type:	Refer to Note
Antenna connector:	Refer to Note
Note:	Non-signalling mode for MRU testing, so the allocation of MRU meets the requirement when channel puncturing occurred and multi-link operation complies with the limits of each frequency band

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	-1.1dBi	2.4GHz~2.4835GHz	Integrated	N/A
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.					

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 For HT20 3/6/9 For HT40	DBPSK/BPSK	1,6, 6.5,13.5 8.6,17.2

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 For HT20 3/6/9 For HT40	DBPSK/BPSK	1,6, 6.5,13.5 8.6,17.2

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	DBPSK	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 For HT20 3/6/9 For HT40	DBPSK/BPSK	1,6, 6.5,13.5 8.6,17.2

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:
N/A

3 REFERENCE SPECIFICATION

Specification	Version	Title
FCC part15 Subpart C	2021	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

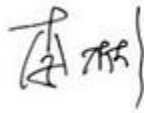
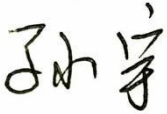
4 KEY TO NOTES AND RESULT CODES

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. Sun Yu 	Approved date: 20230113

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: 20230113

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

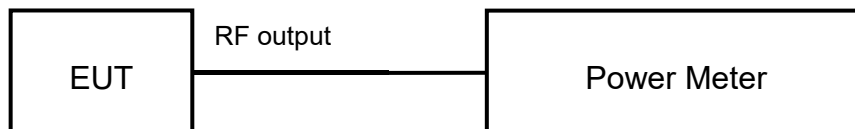
The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

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

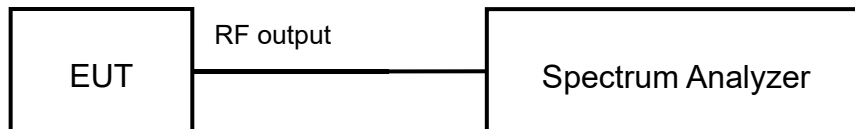
5. Trace mode = max hold

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

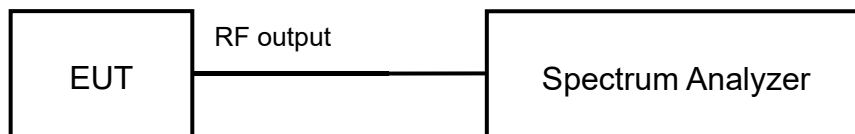
KDB 558074 D01 v05r02 – Section 8.4

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 = 3 kHz
4. VBW = 10 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:

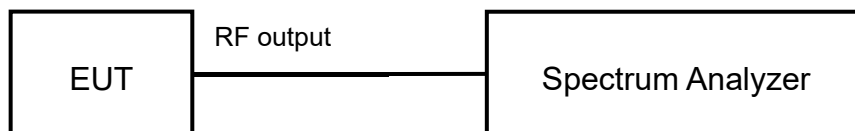
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 MHz
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

6.4.4 Test Settings

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Set span to encompass the spectrum to be examined
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- 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:

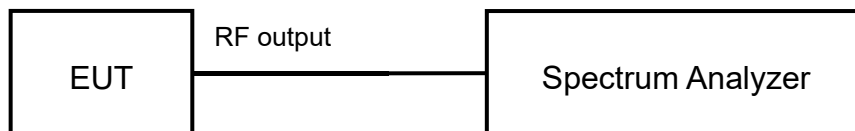
- Set instrument center frequency to DTS channel center frequency.
- Set the span to ≥ 1.5 MHz
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- Use the peak marker function to determine the maximum PSD level.

6.5.4 Test Settings

- Set the center frequency and span to encompass frequency range to be measured.
- Set the RBW = 100 kHz.
- Set the VBW ≥ 300 kHz.
- Detector = peak.
- Set span to encompass the spectrum to be examined
- Sweep time = auto couple.
- Trace mode = max hold.
- Allow trace to fully stabilize.
- 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

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- Both X and Y axes of the antenna are set to make the measurement.
- 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.
- The test-receiver system was set to Quasi-Peak Detect Function and recorded the reading with Maximum Hold Mode.

NOTE:

- 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

- 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

- 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.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- 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.
- 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

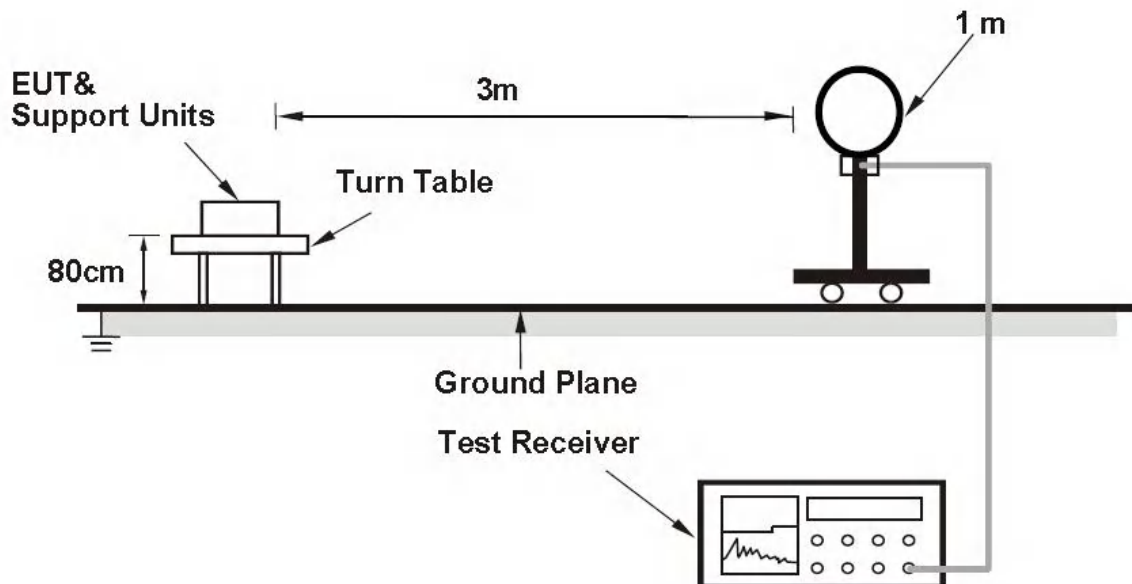
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW is set depending on measurement frequency, as specified in following table

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

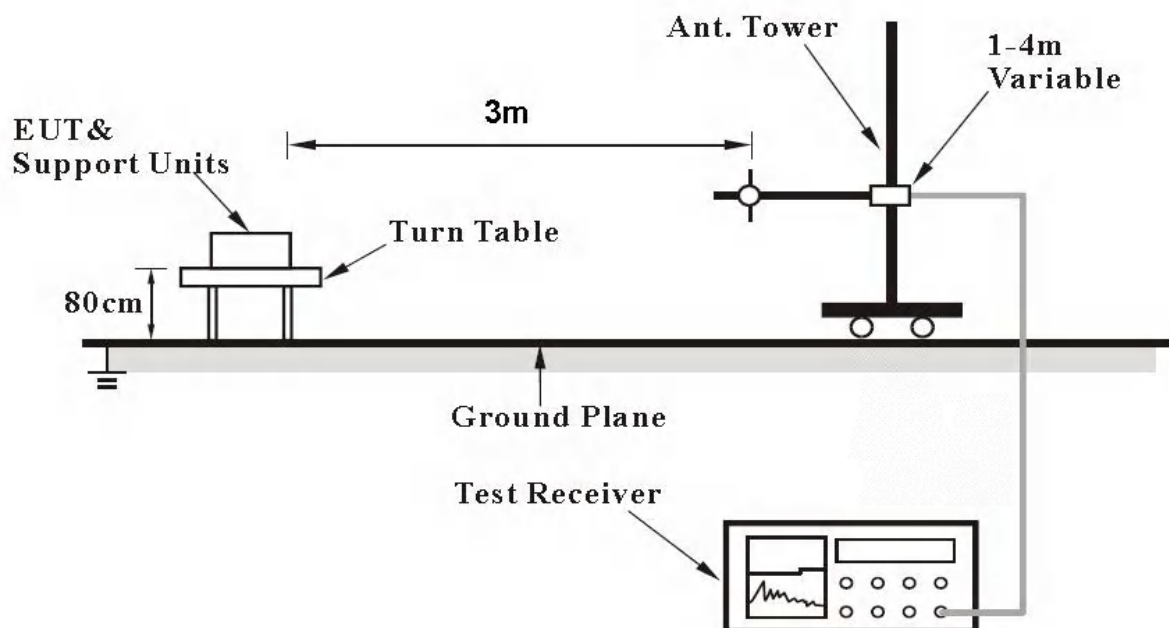
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

6.6.5 Test Setup

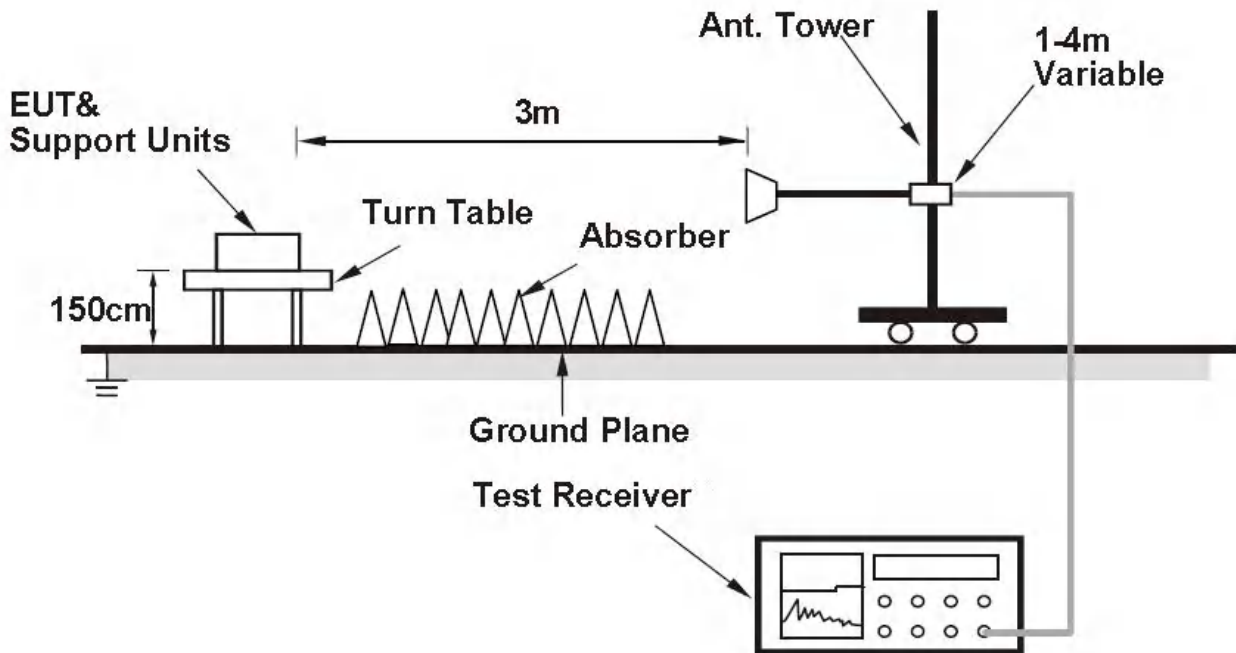
For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For Radiated emission above 1GHz



6.6.6 Test result

All unwanted radiated emission measurement tests were performed in X,Y,Z axis direction. Only the worst axis test condition was recorded and shown in Appendix B. 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.

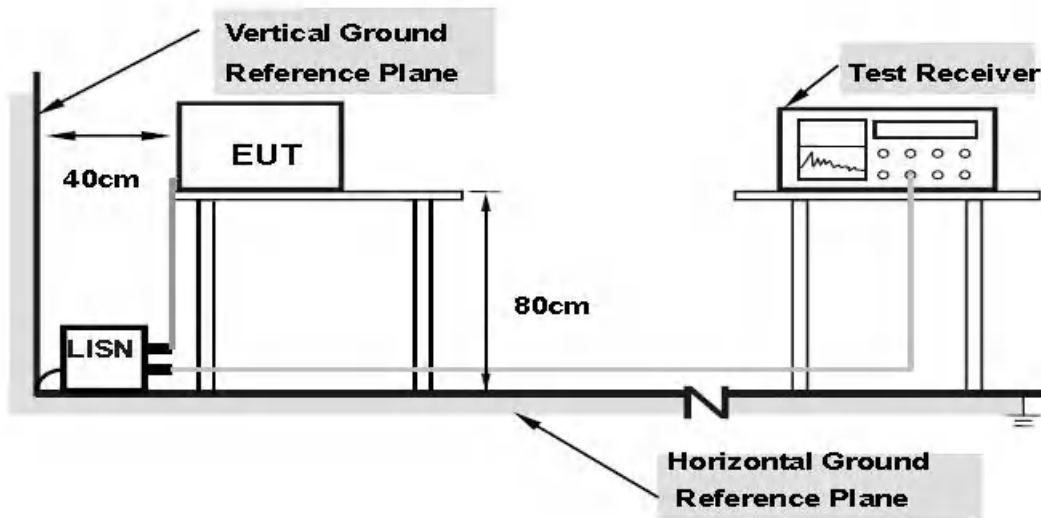
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

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 Appendix B.

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	

8 TEST EQUIPMENTS

No.	Name/ Model	Manufacturer	S/N	Cal date	Cal Due date
1.	Spectrum Analyzer / FSV	ROHDE & SCHWARZ	101065	2022.06.21	2023.06.20
2.	Signal Analyzer / N9020A	Agilent	MY48010771	2022.05.18	2023.05.17
3.	Bluetooth Test Set / MT8852B	Anritsu	1329003	2022.06.21	2023.06.20
4.	Power Divider / 11667A	HP	19632	2022.06.21	2023.06.20
5.	Power Meter E4416A	Agilent	MY52370013	2022.04.13	2023.04.12
6.	Power Sensor E9323A	Agilent	MY52150008	2022.04.13	2023.04.12
7.	Signal Generator / SMBV100A	R&S	260910	2022.06.21	2023.06.20
8.	Temperature chamber / SH241	ESPEC	92013758	2022.06.21	2023.06.20
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	2022.06.21	2023.06.20
17.	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100513	2022.06.21	2023.06.20
18.	Ultra log antenna / HL562	R&S	100016	2022.06.21	2023.06.20
19.	Receive antenna /3160-09	SCHWARZ-BECK	002058-002	2022.06.21	2023.06.20
20.	EMI test receiver / ESI 40	R&S	100015	2022.06.21	2023.06.20
21.	EMI test receiver / ESCS30	R&S	100029	2022.06.21	2023.06.20
22.	Receive antenna / HL562	R&S	100167	2022.06.21	2023.06.20
23.	AMN / ENV216	R&S	3560.6550.12	2022.06.21	2023.06.20
24.	WLAN AP WIA3300-20	SKSpruce	8152017060700339	---	---
25.	Notebook E470c	Lenovo	PF10UZW7	---	---
26.	Loop Antenna	R&S	100340	2022.08.21	2023.08.20
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

Duty Cycle

Modulation Type	Frequency (MHz)	Antenna	Plot	Duty Cycle	Correction Factor(dB)
802.11b	2412	Chain0	Fig.1	99.50%	0
802.11b	2412	Chain1	Fig.2	95.33%	0.21
802.11g	2412	Chain0	Fig.3	99.73%	0
802.11g	2412	Chain1	Fig.4	99.72%	0
802.11n HT20	2412	Chain0	Fig.5	99.30%	0
802.11n HT20	2412	Chain1	Fig.6	99.92%	0
802.11ax HE20	2412	Chain0	Fig.7	98.23%	0
802.11ax HE20	2412	Chain1	Fig.8	98.19%	0
802.11n HT40	2422	Chain0	Fig.9	99.90%	0
802.11n HT40	2422	Chain1	Fig.10	99.91%	0
802.11ax HE40	2422	Chain0	Fig.11	98.11%	0
802.11ax HE40	2422	Chain1	Fig.12	98.13%	0

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

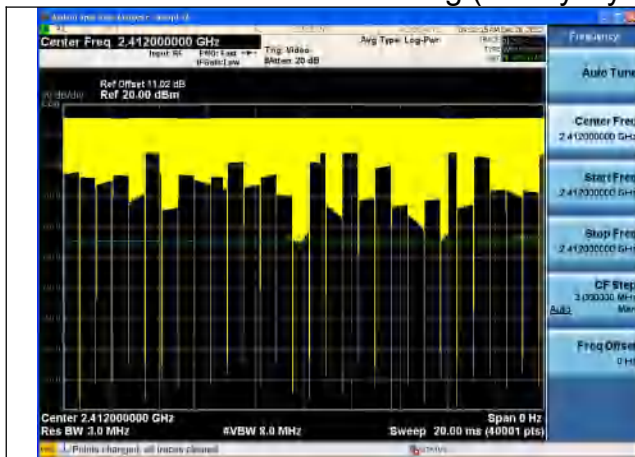


Fig.1



Fig.2

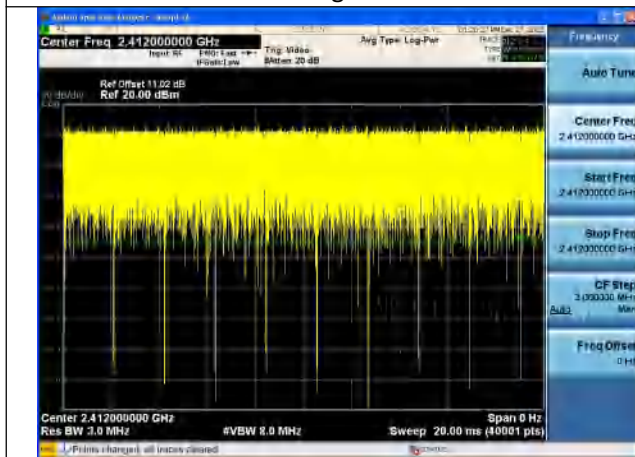


Fig.3

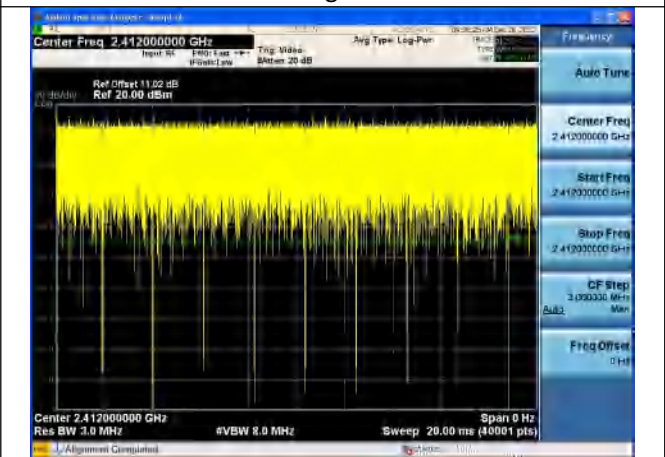


Fig.4

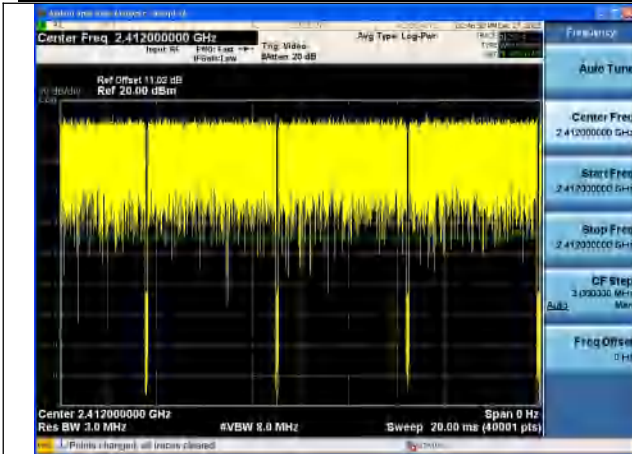


Fig.5

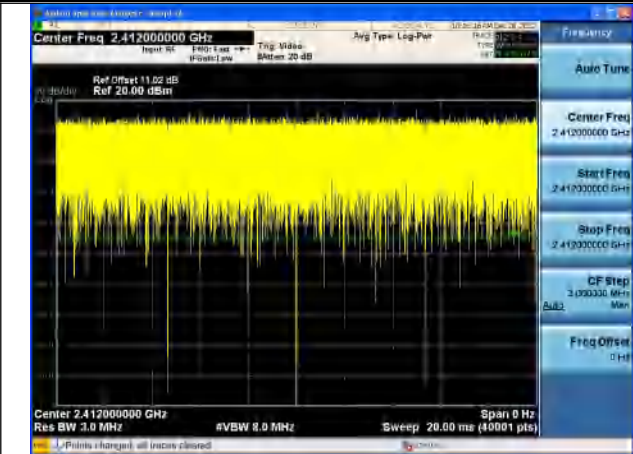


Fig.6

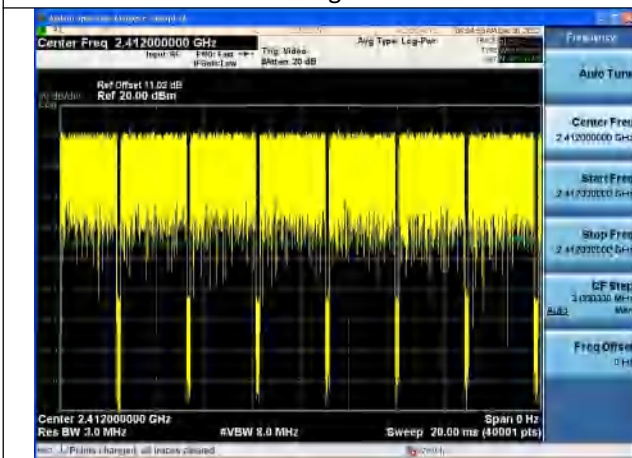


Fig.7

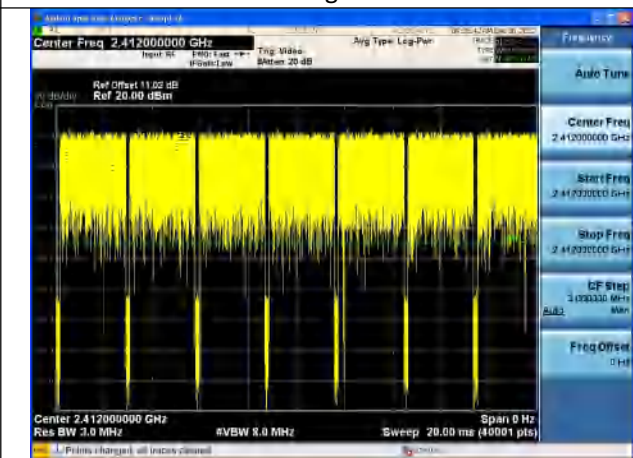


Fig.8

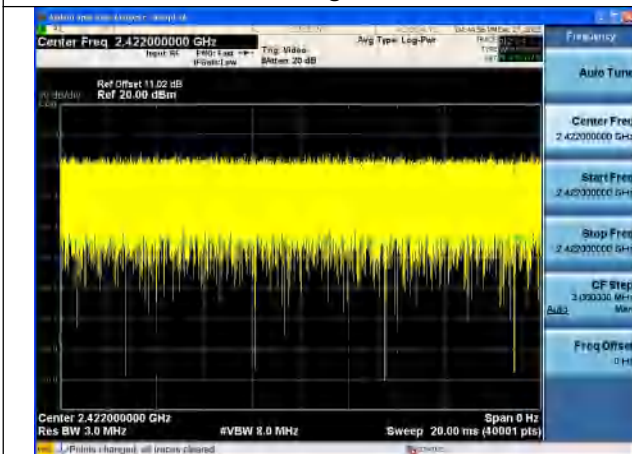


Fig.9

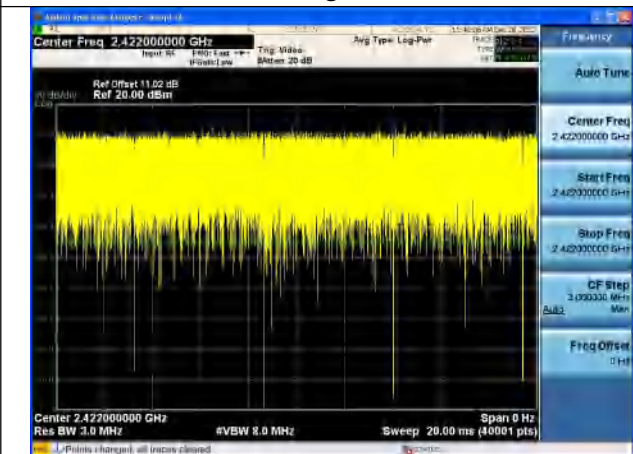


Fig.10

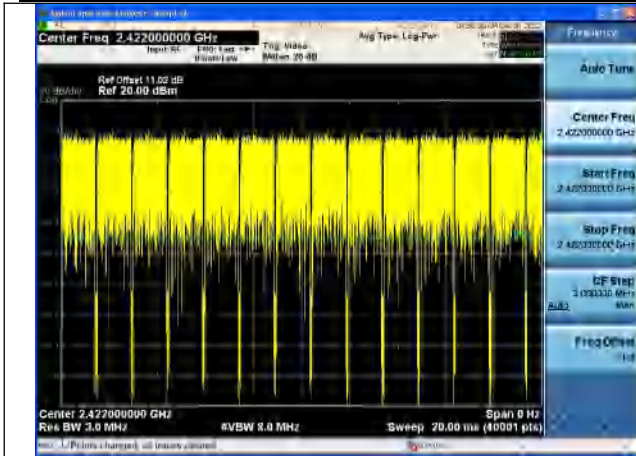


Fig.11

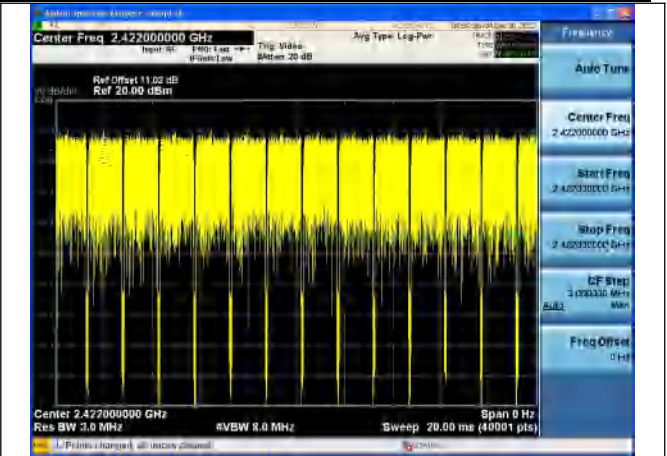


Fig.12

Modulation Type	Frequency (MHz)	Antenna	Plot	Duty Cycle	Correction Factor(dB)
802.11be	2412	Chain0	Fig.1	99.74%	0
802.11be	2412	Chain1	Fig.2	99.74%	0
802.11be	2422	Chain0	Fig.3	99.56%	0
802.11be	2422	Chain1	Fig.4	99.55%	0

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

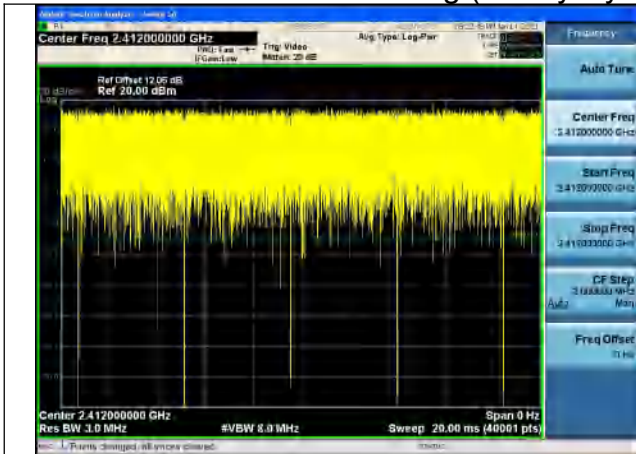


Fig.1

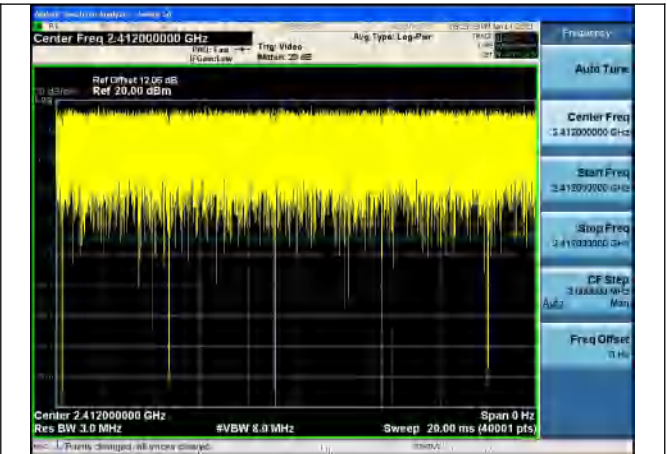


Fig.2

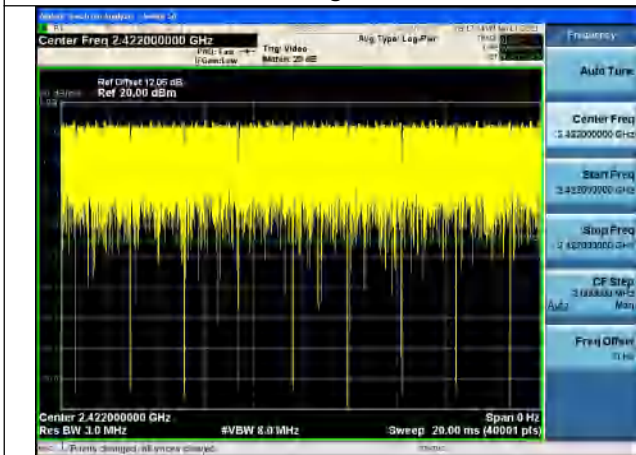


Fig.3

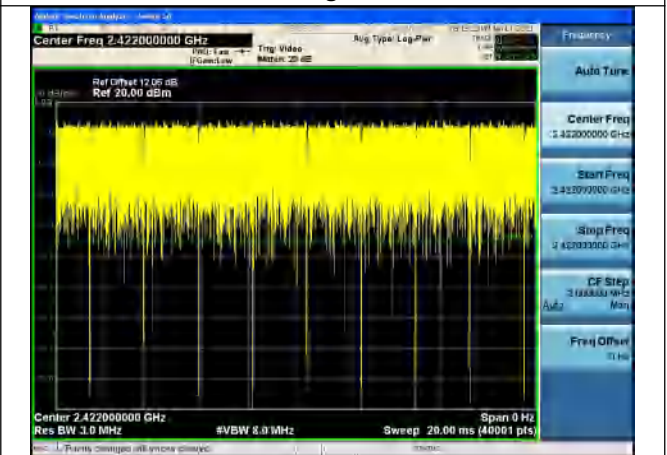


Fig.4

Conducted power

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)
802.11b	NA	2412	Chain0	16.71	13.58
802.11b	NA	2412	Chain1	16.56	13.45
802.11b	NA	2437	Chain0	16.61	13.53
802.11b	NA	2437	Chain1	16.35	13.24
802.11b	NA	2462	Chain0	16.87	13.73
802.11b	NA	2462	Chain1	16.66	13.58
802.11g	NA	2412	Chain0	23.01	14.61
802.11g	NA	2412	Chain1	23.03	14.61
802.11g	NA	2437	Chain0	24.71	16.61
802.11g	NA	2437	Chain1	25.49	17.13
802.11g	NA	2462	Chain0	22.84	14.75
802.11g	NA	2462	Chain1	23.11	14.72
802.11n HT20	NA	2412	Chain0	21.76	13.35
802.11n HT20	NA	2412	Chain1	22.08	13.60
802.11n HT20	NA	2412	MIMO	24.93	16.49
802.11n HT20	NA	2437	Chain0	24.66	16.21
802.11n HT20	NA	2437	Chain1	24.72	16.16
802.11n HT20	NA	2437	MIMO	27.70	19.20
802.11n HT20	NA	2462	Chain0	22.16	13.76
802.11n HT20	NA	2462	Chain1	22.24	13.80
802.11n HT20	NA	2462	MIMO	25.21	16.79
802.11n HT40	NA	2422	Chain0	21.44	12.93
802.11n HT40	NA	2422	Chain1	22.09	13.52
802.11n HT40	NA	2422	MIMO	24.79	16.25
802.11n HT40	NA	2437	Chain0	22.50	14.04
802.11n HT40	NA	2437	Chain1	23.20	14.64
802.11n HT40	NA	2437	MIMO	25.87	17.36
802.11n HT40	NA	2452	Chain0	21.36	12.89
802.11n HT40	NA	2452	Chain1	22.84	14.25
802.11n HT40	NA	2452	MIMO	25.17	16.63

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)
802.11ax HE20	26T_0	2412	Chain0	19.60	9.13
802.11ax HE20	26T_0	2412	Chain1	19.55	9.12
802.11ax HE20	26T_0	2412	MIMO	22.59	12.14
802.11ax HE20	26T_0	2437	Chain0	19.38	9.11
802.11ax HE20	26T_0	2437	Chain1	19.41	9.11
802.11ax HE20	26T_0	2437	MIMO	22.41	12.12
802.11ax HE20	26T_0	2462	Chain0	19.95	9.54
802.11ax HE20	26T_0	2462	Chain1	19.81	9.53
802.11ax HE20	26T_0	2462	MIMO	22.89	12.55
802.11ax HE20	26T_4	2412	Chain0	19.46	8.98
802.11ax HE20	26T_4	2412	Chain1	19.43	8.98
802.11ax HE20	26T_4	2412	MIMO	22.46	11.99
802.11ax HE20	26T_4	2437	Chain0	19.69	8.70
802.11ax HE20	26T_4	2437	Chain1	19.43	8.71
802.11ax HE20	26T_4	2437	MIMO	22.57	11.72
802.11ax HE20	26T_4	2462	Chain0	19.39	8.80
802.11ax HE20	26T_4	2462	Chain1	19.68	8.81
802.11ax HE20	26T_4	2462	MIMO	22.55	11.82
802.11ax HE20	26T_8	2412	Chain0	19.57	9.34
802.11ax HE20	26T_8	2412	Chain1	19.69	9.34
802.11ax HE20	26T_8	2412	MIMO	22.64	12.35
802.11ax HE20	26T_8	2437	Chain0	19.54	9.08
802.11ax HE20	26T_8	2437	Chain1	19.42	9.09
802.11ax HE20	26T_8	2437	MIMO	22.49	12.10
802.11ax HE20	26T_8	2462	Chain0	19.42	8.98
802.11ax HE20	26T_8	2462	Chain1	19.08	9.00
802.11ax HE20	26T_8	2462	MIMO	22.26	12.00
802.11ax HE20	52T_37	2412	Chain0	22.80	11.93
802.11ax HE20	52T_37	2412	Chain1	22.90	11.93
802.11ax HE20	52T_37	2412	MIMO	25.86	14.94
802.11ax HE20	52T_37	2437	Chain0	22.96	12.07
802.11ax HE20	52T_37	2437	Chain1	22.78	12.06
802.11ax HE20	52T_37	2437	MIMO	25.88	15.08
802.11ax HE20	52T_37	2462	Chain0	23.01	12.07
802.11ax HE20	52T_37	2462	Chain1	22.82	12.08
802.11ax HE20	52T_37	2462	MIMO	25.93	15.09
802.11ax HE20	52T_39	2412	Chain0	22.68	12.02
802.11ax HE20	52T_39	2412	Chain1	22.50	12.01
802.11ax HE20	52T_39	2412	MIMO	25.60	15.03
802.11ax HE20	52T_39	2437	Chain0	22.83	12.02
802.11ax HE20	52T_39	2437	Chain1	22.95	12.02
802.11ax HE20	52T_39	2437	MIMO	25.90	15.03

802.11ax HE20	52T_39	2462	Chain0	23.28	12.11
802.11ax HE20	52T_39	2462	Chain1	23.25	12.12
802.11ax HE20	52T_39	2462	MIMO	26.28	15.13
802.11ax HE20	52T_40	2412	Chain0	22.95	12.22
802.11ax HE20	52T_40	2412	Chain1	22.90	12.24
802.11ax HE20	52T_40	2412	MIMO	25.94	15.24
802.11ax HE20	52T_40	2437	Chain0	22.51	12.19
802.11ax HE20	52T_40	2437	Chain1	22.89	12.17
802.11ax HE20	52T_40	2437	MIMO	25.71	15.19
802.11ax HE20	52T_40	2462	Chain0	22.94	12.25
802.11ax HE20	52T_40	2462	Chain1	23.07	12.24
802.11ax HE20	52T_40	2462	MIMO	26.02	15.26
802.11ax HE20	106T_53	2412	Chain0	24.16	13.95
802.11ax HE20	106T_53	2412	Chain1	24.44	13.99
802.11ax HE20	106T_53	2412	MIMO	27.31	16.98
802.11ax HE20	106T_53	2437	Chain0	25.20	14.87
802.11ax HE20	106T_53	2437	Chain1	25.05	14.87
802.11ax HE20	106T_53	2437	MIMO	28.14	17.88
802.11ax HE20	106T_53	2462	Chain0	24.63	14.40
802.11ax HE20	106T_53	2462	Chain1	24.50	14.42
802.11ax HE20	106T_53	2462	MIMO	27.58	17.42
802.11ax HE20	106T_54	2412	Chain0	24.63	14.17
802.11ax HE20	106T_54	2412	Chain1	24.43	14.17
802.11ax HE20	106T_54	2412	MIMO	27.54	17.18
802.11ax HE20	106T_54	2437	Chain0	25.66	15.06
802.11ax HE20	106T_54	2437	Chain1	25.55	15.07
802.11ax HE20	106T_54	2437	MIMO	28.62	18.08
802.11ax HE20	106T_54	2462	Chain0	25.02	14.59
802.11ax HE20	106T_54	2462	Chain1	24.87	14.61
802.11ax HE20	106T_54	2462	MIMO	27.96	17.61
802.11ax HE20	242T_61	2412	Chain0	20.29	10.48
802.11ax HE20	242T_61	2412	Chain1	20.32	10.49
802.11ax HE20	242T_61	2412	MIMO	23.32	13.50
802.11ax HE20	242T_61	2437	Chain0	20.96	11.35
802.11ax HE20	242T_61	2437	Chain1	20.97	11.35
802.11ax HE20	242T_61	2437	MIMO	23.98	14.36
802.11ax HE20	242T_61	2462	Chain0	20.37	10.61
802.11ax HE20	242T_61	2462	Chain1	20.38	10.62
802.11ax HE20	242T_61	2462	MIMO	23.39	13.63
802.11ax HE40	26T_0	2422	Chain0	18.84	8.83
802.11ax HE40	26T_0	2422	Chain1	18.78	8.84
802.11ax HE40	26T_0	2422	MIMO	21.82	11.85
802.11ax HE40	26T_0	2437	Chain0	19.66	9.13
802.11ax HE40	26T_0	2437	Chain1	19.55	9.14
802.11ax HE40	26T_0	2437	MIMO	22.62	12.15

802.11ax HE40	26T_0	2452	Chain0	19.14	9.01
802.11ax HE40	26T_0	2452	Chain1	19.36	9.00
802.11ax HE40	26T_0	2452	MIMO	22.26	12.02
802.11ax HE40	26T_10	2422	Chain0	19.33	8.86
802.11ax HE40	26T_10	2422	Chain1	19.21	8.86
802.11ax HE40	26T_10	2422	MIMO	22.28	11.87
802.11ax HE40	26T_10	2437	Chain0	19.45	8.70
802.11ax HE40	26T_10	2437	Chain1	19.41	8.72
802.11ax HE40	26T_10	2437	MIMO	22.44	11.72
802.11ax HE40	26T_10	2452	Chain0	19.18	8.88
802.11ax HE40	26T_10	2452	Chain1	18.99	8.84
802.11ax HE40	26T_10	2452	MIMO	22.10	11.87
802.11ax HE40	26T_17	2422	Chain0	19.49	9.16
802.11ax HE40	26T_17	2422	Chain1	19.55	9.14
802.11ax HE40	26T_17	2422	MIMO	22.53	12.16
802.11ax HE40	26T_17	2437	Chain0	19.46	8.98
802.11ax HE40	26T_17	2437	Chain1	19.31	8.98
802.11ax HE40	26T_17	2437	MIMO	22.40	11.99
802.11ax HE40	26T_17	2452	Chain0	19.78	9.32
802.11ax HE40	26T_17	2452	Chain1	19.91	9.29
802.11ax HE40	26T_17	2452	MIMO	22.86	12.32
802.11ax HE40	52T_37	2422	Chain0	22.88	12.04
802.11ax HE40	52T_37	2422	Chain1	23.02	12.03
802.11ax HE40	52T_37	2422	MIMO	25.96	15.05
802.11ax HE40	52T_37	2437	Chain0	23.13	12.31
802.11ax HE40	52T_37	2437	Chain1	23.00	12.33
802.11ax HE40	52T_37	2437	MIMO	26.08	15.33
802.11ax HE40	52T_37	2452	Chain0	22.89	12.11
802.11ax HE40	52T_37	2452	Chain1	23.05	12.10
802.11ax HE40	52T_37	2452	MIMO	25.98	15.12
802.11ax HE40	52T_41	2422	Chain0	22.93	12.29
802.11ax HE40	52T_41	2422	Chain1	23.04	12.28
802.11ax HE40	52T_41	2422	MIMO	26.00	15.30
802.11ax HE40	52T_41	2437	Chain0	22.42	11.64
802.11ax HE40	52T_41	2437	Chain1	22.17	11.61
802.11ax HE40	52T_41	2437	MIMO	25.31	14.64
802.11ax HE40	52T_41	2452	Chain0	22.79	12.07
802.11ax HE40	52T_41	2452	Chain1	22.87	12.06
802.11ax HE40	52T_41	2452	MIMO	25.84	15.08
802.11ax HE40	52T_44	2422	Chain0	22.48	11.71
802.11ax HE40	52T_44	2422	Chain1	22.17	11.71
802.11ax HE40	52T_44	2422	MIMO	25.34	14.72
802.11ax HE40	52T_44	2437	Chain0	22.49	11.79
802.11ax HE40	52T_44	2437	Chain1	22.79	11.79
802.11ax HE40	52T_44	2437	MIMO	25.65	14.80

802.11ax HE40	52T_44	2452	Chain0	22.52	11.51
802.11ax HE40	52T_44	2452	Chain1	22.44	11.51
802.11ax HE40	52T_44	2452	MIMO	25.49	14.52
802.11ax HE40	106T_53	2422	Chain0	25.23	14.80
802.11ax HE40	106T_53	2422	Chain1	25.65	14.80
802.11ax HE40	106T_53	2422	MIMO	28.46	17.81
802.11ax HE40	106T_53	2437	Chain0	25.71	15.29
802.11ax HE40	106T_53	2437	Chain1	25.78	15.31
802.11ax HE40	106T_53	2437	MIMO	28.76	18.31
802.11ax HE40	106T_53	2452	Chain0	25.08	14.53
802.11ax HE40	106T_53	2452	Chain1	24.97	14.57
802.11ax HE40	106T_53	2452	MIMO	28.04	17.56
802.11ax HE40	106T_55	2422	Chain0	25.29	14.81
802.11ax HE40	106T_55	2422	Chain1	25.31	14.82
802.11ax HE40	106T_55	2422	MIMO	28.31	17.83
802.11ax HE40	106T_55	2437	Chain0	25.11	14.78
802.11ax HE40	106T_55	2437	Chain1	25.35	14.78
802.11ax HE40	106T_55	2437	MIMO	28.24	17.79
802.11ax HE40	106T_55	2452	Chain0	25.20	14.78
802.11ax HE40	106T_55	2452	Chain1	25.37	15.35
802.11ax HE40	106T_55	2452	MIMO	28.30	18.08
802.11ax HE40	106T_56	2422	Chain0	25.39	14.85
802.11ax HE40	106T_56	2422	Chain1	25.14	14.42
802.11ax HE40	106T_56	2422	MIMO	28.28	17.65
802.11ax HE40	106T_56	2437	Chain0	24.55	14.42
802.11ax HE40	106T_56	2437	Chain1	24.62	14.46
802.11ax HE40	106T_56	2437	MIMO	27.60	17.45
802.11ax HE40	106T_56	2452	Chain0	24.87	14.34
802.11ax HE40	106T_56	2452	Chain1	24.48	14.36
802.11ax HE40	106T_56	2452	MIMO	27.69	17.36
802.11ax HE40	242T_61	2422	Chain0	20.76	10.98
802.11ax HE40	242T_61	2422	Chain1	20.72	11.00
802.11ax HE40	242T_61	2422	MIMO	23.75	14.00
802.11ax HE40	242T_61	2437	Chain0	21.85	12.00
802.11ax HE40	242T_61	2437	Chain1	21.35	11.51
802.11ax HE40	242T_61	2437	MIMO	24.62	14.77
802.11ax HE40	242T_61	2452	Chain0	20.83	11.14
802.11ax HE40	242T_61	2452	Chain1	20.85	11.14
802.11ax HE40	242T_61	2452	MIMO	23.85	14.15
802.11ax HE40	242T_62	2422	Chain0	20.72	10.84
802.11ax HE40	242T_62	2422	Chain1	20.68	10.87
802.11ax HE40	242T_62	2422	MIMO	23.71	13.87
802.11ax HE40	242T_62	2437	Chain0	20.27	10.45
802.11ax HE40	242T_62	2437	Chain1	20.30	10.49
802.11ax HE40	242T_62	2437	MIMO	23.30	13.48

802.11ax HE40	242T_62	2452	Chain0	20.60	10.82
802.11ax HE40	242T_62	2452	Chain1	20.88	10.85
802.11ax HE40	242T_62	2452	MIMO	23.75	13.85
802.11ax HE40	484T_65	2422	Chain0	20.03	10.64
802.11ax HE40	484T_65	2422	Chain1	20.20	10.66
802.11ax HE40	484T_65	2422	MIMO	23.13	13.66
802.11ax HE40	484T_65	2437	Chain0	20.10	10.74
802.11ax HE40	484T_65	2437	Chain1	20.25	10.73
802.11ax HE40	484T_65	2437	MIMO	23.19	13.75
802.11ax HE40	484T_65	2452	Chain0	20.00	10.71
802.11ax HE40	484T_65	2452	Chain1	19.97	10.74
802.11ax HE40	484T_65	2452	MIMO	23.00	13.74

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)
802.11be	26T_0	2412	Chain0	19.81	9.27
802.11be	26T_4	2412	Chain0	20.25	9.94
802.11be	26T_8	2412	Chain0	19.52	9.49
802.11be	52T_37	2412	Chain0	22.53	12.16
802.11be	52T_39	2412	Chain0	23.18	12.66
802.11be	52T_40	2412	Chain0	23.22	12.91
802.11be	106T_53	2412	Chain0	26.01	15.45
802.11be	106T_54	2412	Chain0	26.04	15.95
802.11be	242T_61	2412	Chain0	21.31	11.35
802.11be	26_52	2412	Chain0	26.64	16.73
802.11be	26T_0	2412	Chain1	19.98	9.28
802.11be	26T_4	2412	Chain1	20.28	9.94
802.11be	26T_8	2412	Chain1	19.46	9.48
802.11be	52T_37	2412	Chain1	22.64	12.18
802.11be	52T_39	2412	Chain1	22.93	12.64
802.11be	52T_40	2412	Chain1	22.96	12.90
802.11be	106T_53	2412	Chain1	25.40	15.44
802.11be	106T_54	2412	Chain1	25.87	15.95
802.11be	242T_61	2412	Chain1	21.25	11.34
802.11be	242T_61	2412	MIMO	27.74	17.83
802.11be	26T_0	2422	Chain0	18.96	8.63
802.11be	26T_10	2422	Chain0	19.59	9.43
802.11be	26T_17	2422	Chain0	18.98	8.96
802.11be	52T_37	2422	Chain0	22.19	11.76
802.11be	52T_41	2422	Chain0	22.82	12.40
802.11be	52T_44	2422	Chain0	22.45	12.02
802.11be	106T_53	2422	Chain0	24.50	14.19
802.11be	106T_55	2422	Chain0	24.62	14.73
802.11be	106T_56	2422	Chain0	24.27	14.37
802.11be	242T_61	2422	Chain0	19.86	10.24
802.11be	242T_62	2422	Chain0	20.20	10.39
802.11be	484T_65	2422	Chain0	19.56	10.32
802.11be	26T_0	2422	Chain1	18.42	8.64
802.11be	26T_10	2422	Chain1	19.52	9.45
802.11be	26T_17	2422	Chain1	18.84	8.94
802.11be	52T_37	2422	Chain1	22.18	11.75
802.11be	52T_41	2422	Chain1	22.77	12.39
802.11be	52T_44	2422	Chain1	21.47	11.14
802.11be	106T_53	2422	Chain1	24.51	14.25
802.11be	106T_55	2422	Chain1	24.68	14.72
802.11be	106T_56	2422	Chain1	24.42	14.36
802.11be	242T_61	2422	Chain1	19.90	10.22

802.11be	242T_62	2422	Chain1	20.18	10.37
802.11be	484T_65	2422	Chain1	19.60	10.32
802.11be	484T_65	2422	MIMO	22.59	13.33
802.11be	26T_0	2437	Chain0	19.43	8.88
802.11be	26T_4	2437	Chain0	18.89	9.03
802.11be	26T_8	2437	Chain0	19.28	9.24
802.11be	52T_37	2437	Chain0	22.85	12.76
802.11be	52T_39	2437	Chain0	22.20	11.84
802.11be	52T_40	2437	Chain0	22.14	12.03
802.11be	106T_53	2437	Chain0	25.86	15.70
802.11be	106T_54	2437	Chain0	25.38	15.10
802.11be	242T_61	2437	Chain0	20.81	11.12
802.11be	26T_0	2437	Chain0	19.55	9.80
802.11be	26T_10	2437	Chain0	18.52	8.73
802.11be	26T_17	2437	Chain0	19.03	9.20
802.11be	52T_37	2437	Chain0	23.01	12.74
802.11be	52T_41	2437	Chain0	22.22	11.69
802.11be	52T_44	2437	Chain0	21.85	11.55
802.11be	106T_53	2437	Chain0	25.29	15.24
802.11be	106T_55	2437	Chain0	24.21	14.11
802.11be	106T_56	2437	Chain0	24.75	14.65
802.11be	242T_61	2437	Chain0	20.45	10.73
802.11be	242T_62	2437	Chain0	19.85	10.12
802.11be	484T_65	2437	Chain0	20.22	10.45
802.11be	26T_0	2437	Chain1	19.35	8.85
802.11be	26T_4	2437	Chain1	18.99	9.00
802.11be	26T_8	2437	Chain1	19.25	9.23
802.11be	52T_37	2437	Chain1	23.05	12.73
802.11be	52T_39	2437	Chain1	22.51	11.83
802.11be	52T_40	2437	Chain1	22.39	12.03
802.11be	106T_53	2437	Chain1	25.61	15.68
802.11be	106T_54	2437	Chain1	25.41	15.09
802.11be	242T_61	2437	Chain1	20.83	11.12
802.11be	26T_0	2437	Chain1	19.63	9.75
802.11be	26T_10	2437	Chain1	18.59	8.71
802.11be	26T_17	2437	Chain1	18.94	9.19
802.11be	52T_37	2437	Chain1	23.03	12.70
802.11be	52T_41	2437	Chain1	22.32	11.72
802.11be	52T_44	2437	Chain1	21.84	11.54
802.11be	106T_53	2437	Chain1	25.38	15.20
802.11be	106T_55	2437	Chain1	24.18	14.11
802.11be	106T_56	2437	Chain1	24.70	14.64
802.11be	242T_61	2437	Chain1	20.40	10.72
802.11be	242T_62	2437	Chain1	19.73	10.12
802.11be	484T_65	2437	Chain1	20.16	10.45

802.11be	484T_65	2437	MIMO	23.20	13.46
802.11be	26T_0	2452	Chain0	19.25	9.40
802.11be	26T_10	2452	Chain0	19.65	9.09
802.11be	26T_17	2452	Chain0	18.77	8.77
802.11be	52T_37	2452	Chain0	22.42	12.25
802.11be	52T_41	2452	Chain0	22.66	11.96
802.11be	52T_44	2452	Chain0	21.11	11.14
802.11be	106T_53	2452	Chain0	24.24	14.48
802.11be	106T_55	2452	Chain0	24.67	14.76
802.11be	106T_56	2452	Chain0	24.26	14.50
802.11be	242T_61	2452	Chain0	19.79	10.10
802.11be	242T_62	2452	Chain0	20.30	10.46
802.11be	484T_65	2452	Chain0	19.74	10.30
802.11be	26T_0	2452	Chain1	19.25	9.37
802.11be	26T_10	2452	Chain1	19.50	9.05
802.11be	26T_17	2452	Chain1	18.58	8.76
802.11be	52T_37	2452	Chain1	22.46	12.25
802.11be	52T_41	2452	Chain1	22.43	11.97
802.11be	52T_44	2452	Chain1	21.50	11.15
802.11be	106T_53	2452	Chain1	24.34	14.46
802.11be	106T_55	2452	Chain1	24.58	14.75
802.11be	106T_56	2452	Chain1	24.42	14.49
802.11be	242T_61	2452	Chain1	19.72	10.09
802.11be	242T_62	2452	Chain1	20.32	10.46
802.11be	484T_65	2452	Chain1	19.71	10.29
802.11be	484T_65	2452	MIMO	22.74	13.31
802.11be	26T_0	2462	Chain0	19.63	9.23
802.11be	26T_4	2462	Chain0	19.00	8.76
802.11be	26T_8	2462	Chain0	19.19	9.16
802.11be	52T_37	2462	Chain0	22.51	12.26
802.11be	52T_39	2462	Chain0	22.53	12.11
802.11be	52T_40	2462	Chain0	22.32	11.78
802.11be	106T_53	2462	Chain0	25.58	15.46
802.11be	106T_54	2462	Chain0	25.33	15.01
802.11be	242T_61	2462	Chain0	20.78	11.04
802.11be	26T_0	2462	Chain1	19.61	9.21
802.11be	26T_4	2462	Chain1	19.14	8.74
802.11be	26T_8	2462	Chain1	19.19	9.15
802.11be	52T_37	2462	Chain1	22.63	12.25
802.11be	52T_39	2462	Chain1	22.66	12.09
802.11be	52T_40	2462	Chain1	22.59	11.75
802.11be	106T_53	2462	Chain1	25.36	15.45
802.11be	106T_54	2462	Chain1	25.10	14.98
802.11be	242T_61	2462	Chain1	20.76	11.01
802.11be	242T_61	2462	MIMO	23.78	14.04

Test Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Peak power output (dBm)	Average power output (dBm)
802.11be HE20	26+106	2412	Chain0	24.85	14.31
802.11be HE20	26+106	2412	Chain1	24.76	14.33
802.11be HE20	26+106	2412	MIMO	27.82	17.33
802.11be HE20	26+106	2437	Chain0	24.88	14.44
802.11be HE20	26+106	2437	Chain1	24.95	14.40
802.11be HE20	26+106	2437	MIMO	27.93	17.43
802.11be HE20	26+106	2462	Chain0	25.17	14.54
802.11be HE20	26+106	2462	Chain1	24.84	14.51
802.11be HE20	26+106	2462	MIMO	28.02	17.54
802.11be HE20	26+52	2412	Chain0	22.53	11.74
802.11be HE20	26+52	2412	Chain1	22.04	11.76
802.11be HE20	26+52	2412	MIMO	25.30	14.76
802.11be HE20	26+52	2437	Chain0	22.55	11.88
802.11be HE20	26+52	2437	Chain1	22.51	11.84
802.11be HE20	26+52	2437	MIMO	25.54	14.87
802.11be HE20	26+52	2462	Chain0	22.68	12.15
802.11be HE20	26+52	2462	Chain1	22.56	12.12
802.11be HE20	26+52	2462	MIMO	25.63	15.15
802.11be HE40	26+106	2422	Chain0	25.20	14.92
802.11be HE40	26+106	2422	Chain1	25.53	14.97
802.11be HE40	26+106	2422	MIMO	28.38	17.96
802.11be HE40	26+106	2437	Chain0	26.62	15.77
802.11be HE40	26+106	2437	Chain1	26.22	15.70
802.11be HE40	26+106	2437	MIMO	29.43	18.75
802.11be HE40	26+106	2452	Chain0	25.25	15.12
802.11be HE40	26+106	2452	Chain1	25.46	15.10
802.11be HE40	26+106	2452	MIMO	28.37	18.12
802.11be HE40	26+52	2422	Chain0	22.10	11.83
802.11be HE40	26+52	2422	Chain1	21.81	11.68
802.11be HE40	26+52	2422	MIMO	24.97	14.77
802.11be HE40	26+52	2437	Chain0	23.09	12.67
802.11be HE40	26+52	2437	Chain1	23.07	12.64
802.11be HE40	26+52	2437	MIMO	26.09	15.67
802.11be HE40	26+52	2452	Chain0	22.38	11.98
802.11be HE40	26+52	2452	Chain1	22.43	11.95
802.11be HE40	26+52	2452	MIMO	25.42	14.98

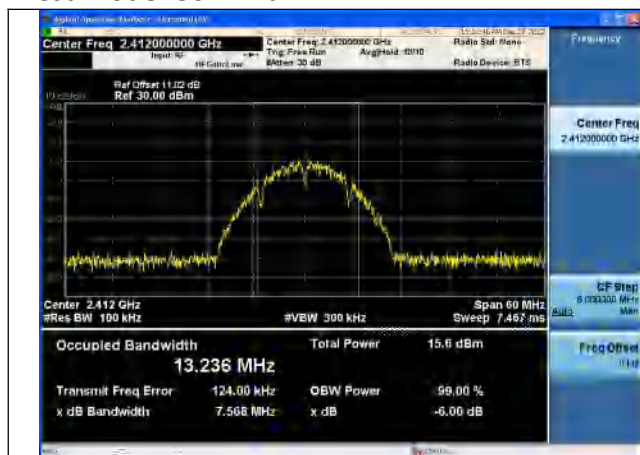
6dB Bandwidth

Test Mode	Antenna	6 dB bandwidth (MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	7.57	7.63	7.22
802.11b	Chain1	8.37	8.32	6.65
802.11g	Chain0	16.36	16.41	16.51
802.11g	Chain1	16.45	16.48	16.38
802.11n HT20	Chain0	17.73	17.77	17.81
802.11n HT20	Chain1	17.75	16.71	17.59
802.11ax HE20	Chain0	18.75	18.99	19.12
802.11ax HE20	Chain1	19.00	19.08	19.06

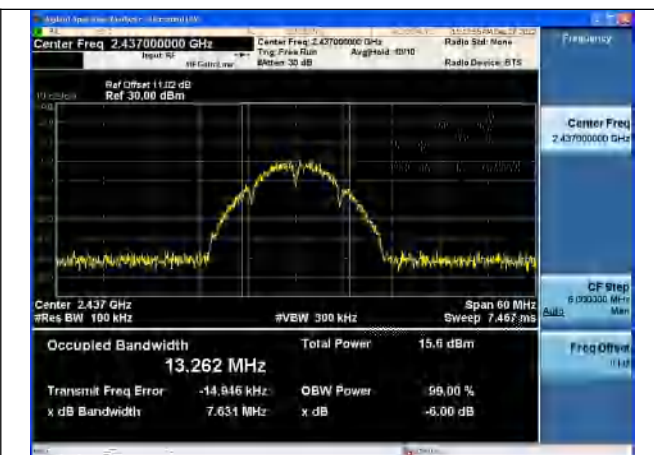
Test Mode	Antenna	6 dB bandwidth (MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	36.29	36.52	36.54
802.11n HT40	Chain1	36.50	36.51	36.49
802.11ax HE40	Chain0	37.95	38.02	38.05
802.11ax HE40	Chain1	37.67	37.88	38.07

Test Mode	Antenna	6 dB bandwidth (MHz)		
		Channel No.1	Channel No.6	Channel No.9
		2412MHz	2437MHz	2452MHz
802.11be	Chain0	19.12	18.52	38.05
802.11be	Chain1	19.05	18.95	38.18

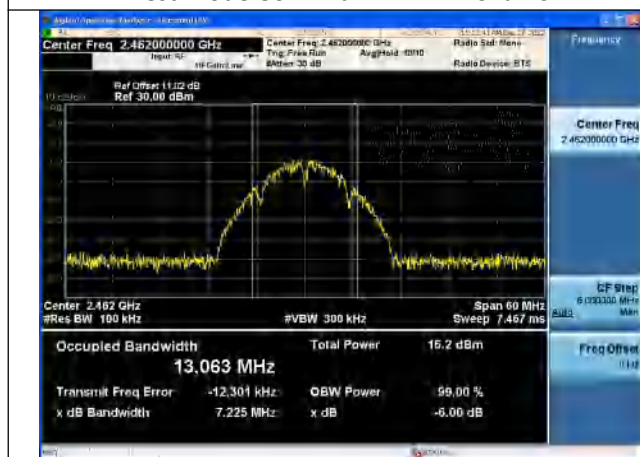
Test Mode: 802.11b



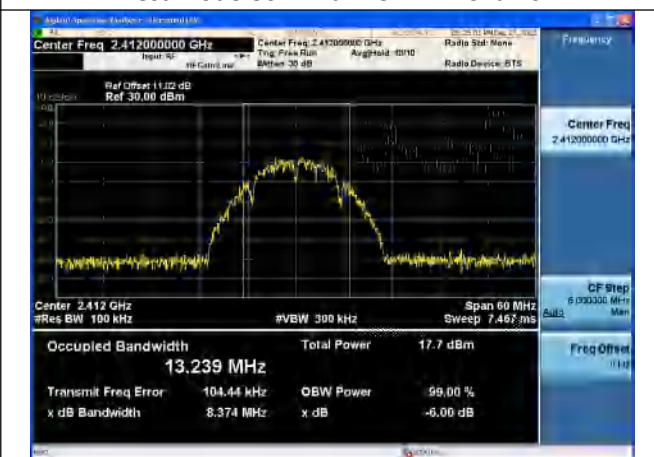
Test Mode:802.11b 2412MHz Chain0



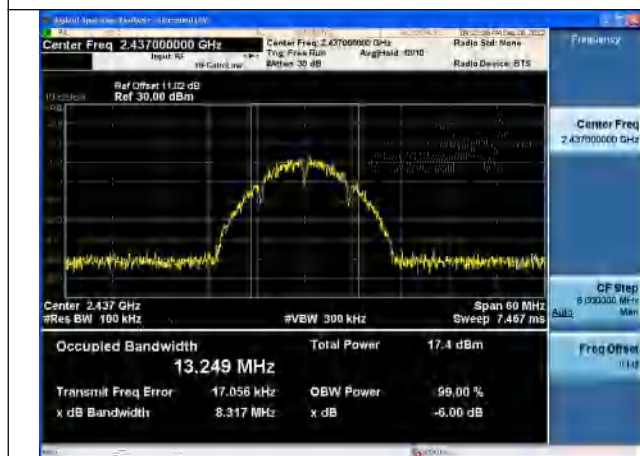
Test Mode:802.11b 2437MHz Chain0



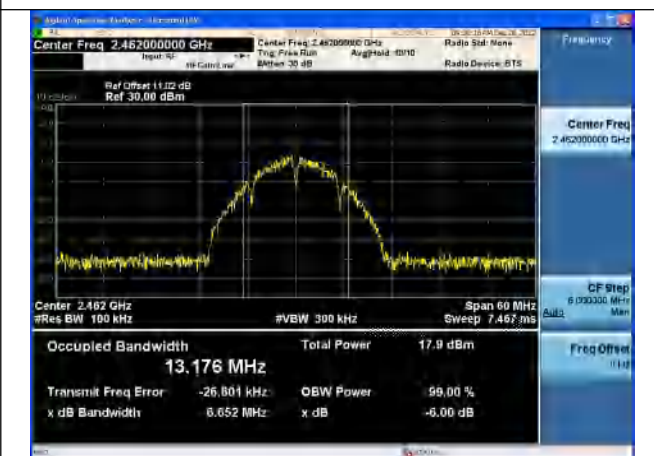
Test Mode:802.11b 2462MHz Chain0



Test Mode:802.11b 2412MHz Chain1

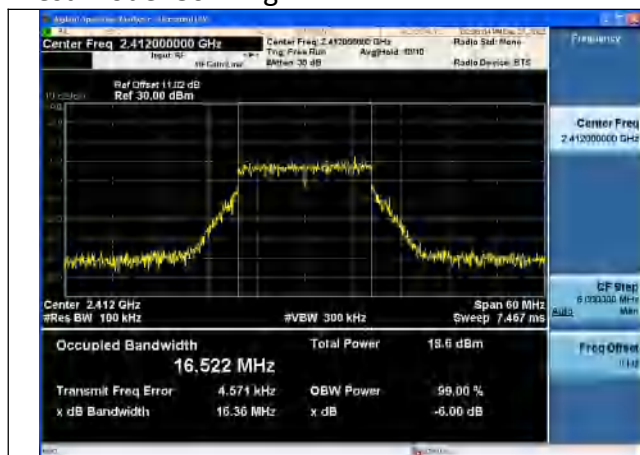


Test Mode:802.11b 2437MHz Chain1

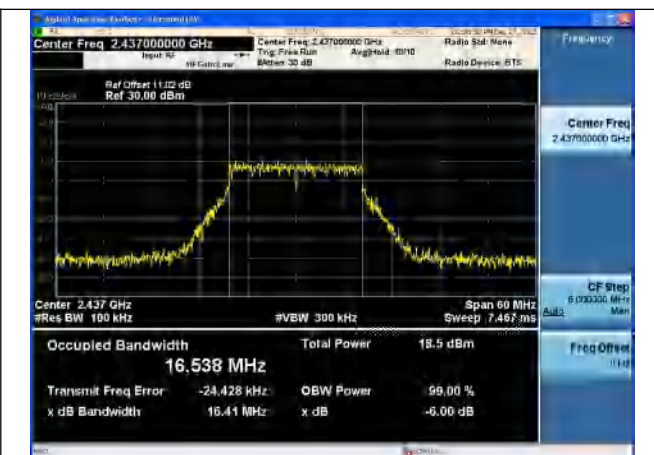


Test Mode:802.11b 2462MHz Chain1

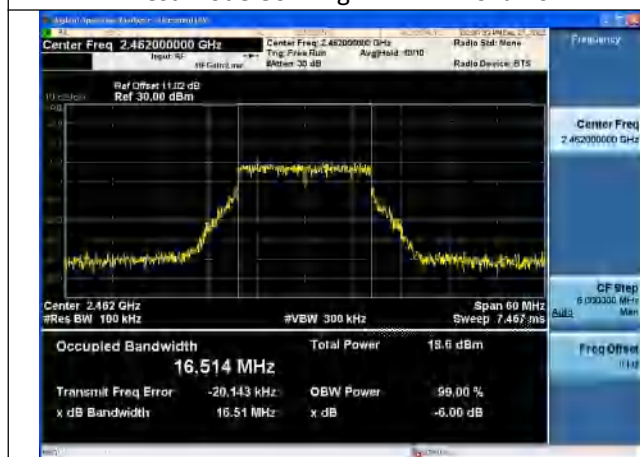
Test Mode: 802.11g



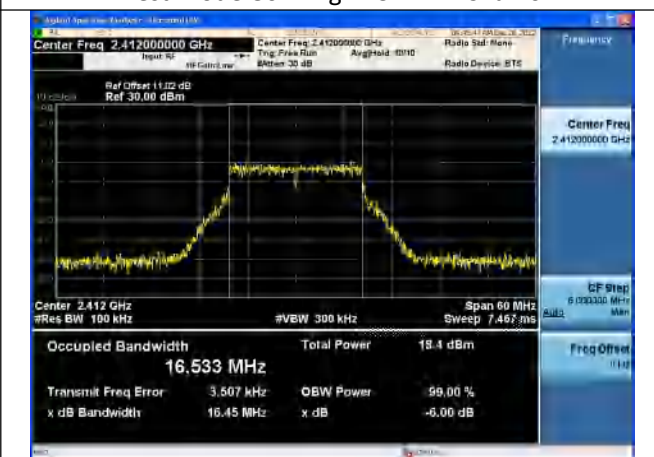
Test Mode:802.11g 2412MHz Chain0



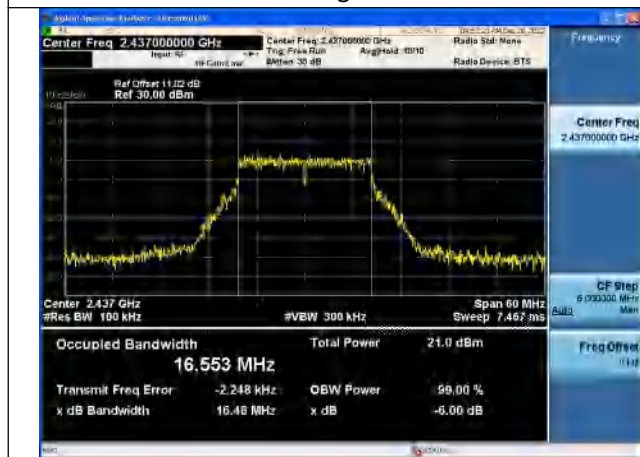
Test Mode:802.11g 2437MHz Chain0



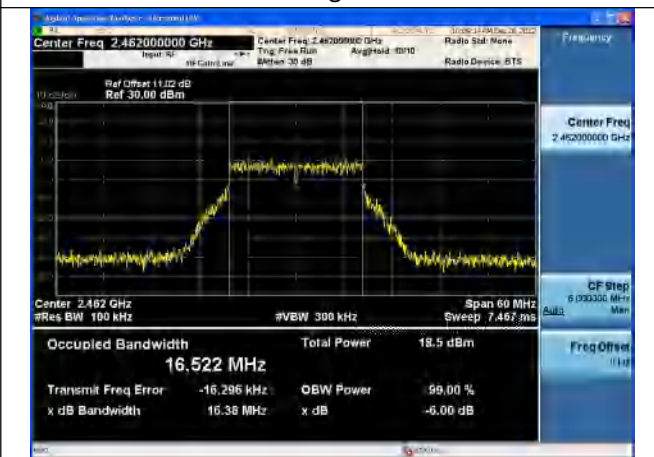
Test Mode:802.11g 2462MHz Chain0



Test Mode:802.11g 2412MHz Chain1

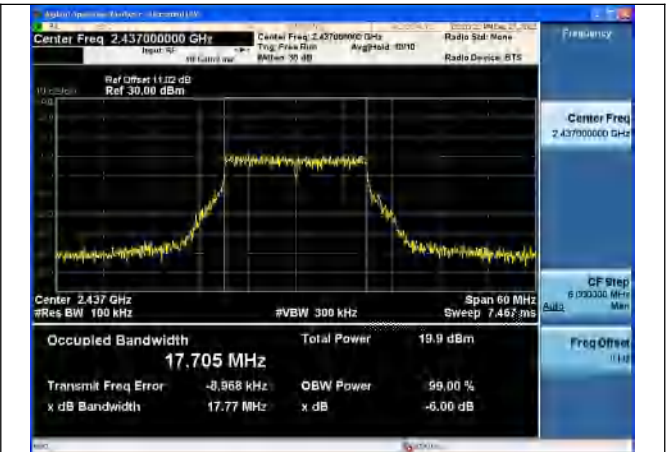
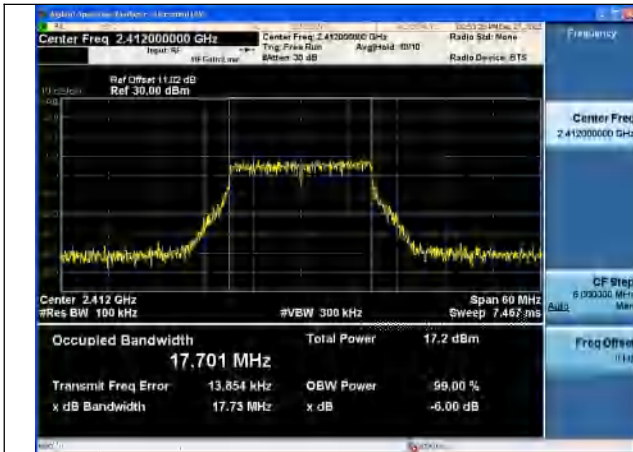


Test Mode:802.11g 2437MHz Chain1



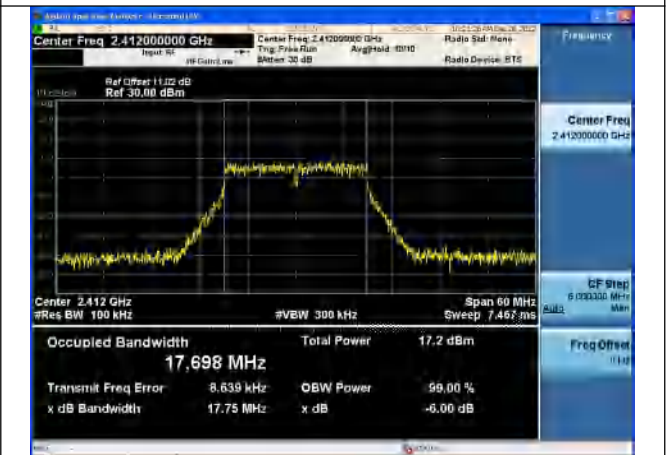
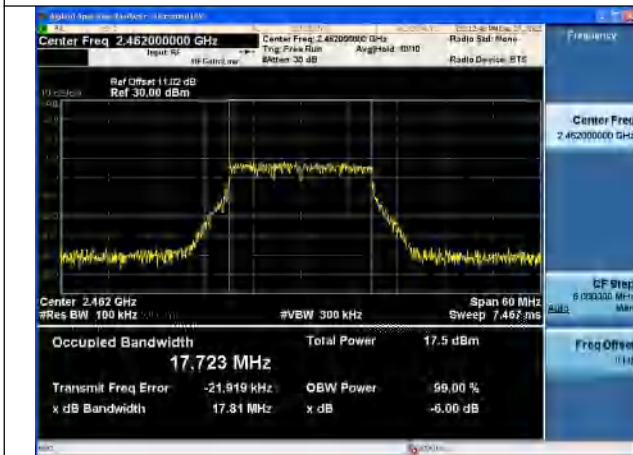
Test Mode:802.11g 2462MHz Chain1

Test Mode: 802.11n HT20



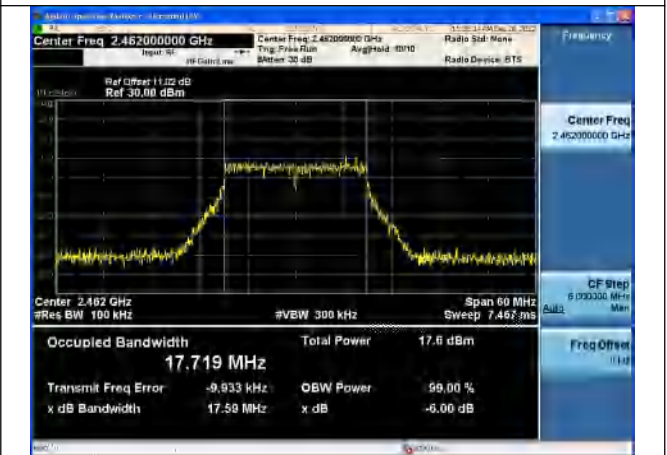
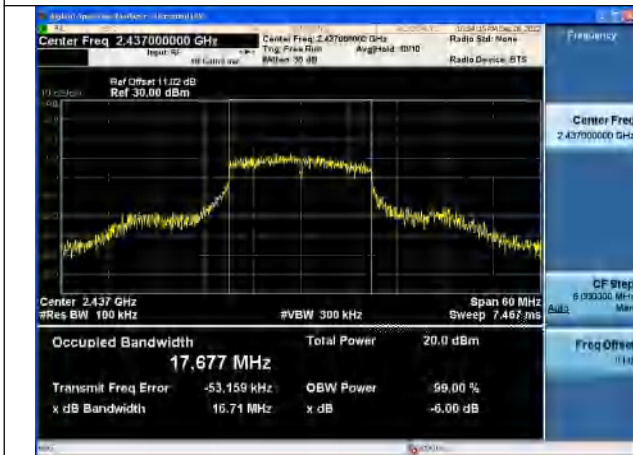
Test Mode:802.11n HT20 2412MHz Chain0

Test Mode:802.11n HT20 2437MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0

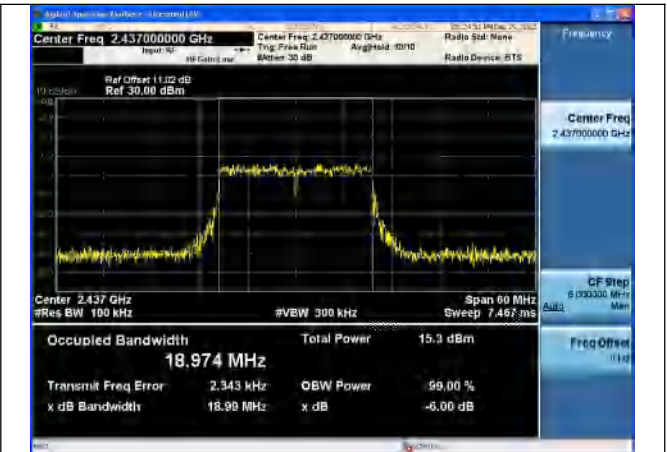
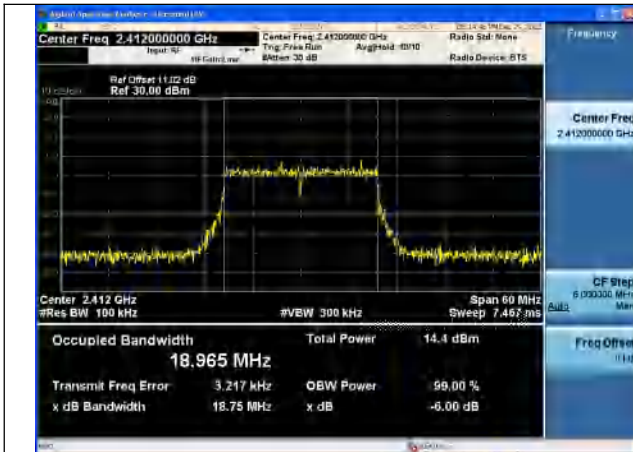
Test Mode:802.11n HT20 2412MHz Chain1



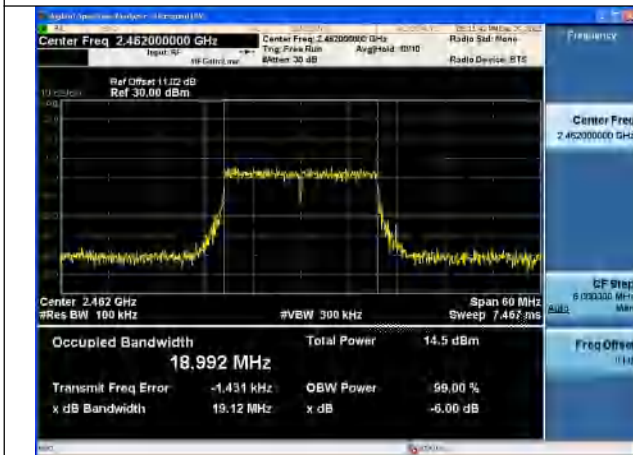
Test Mode:802.11n HT20 2437MHz Chain1

Test Mode:802.11n HT20 2462MHz Chain1

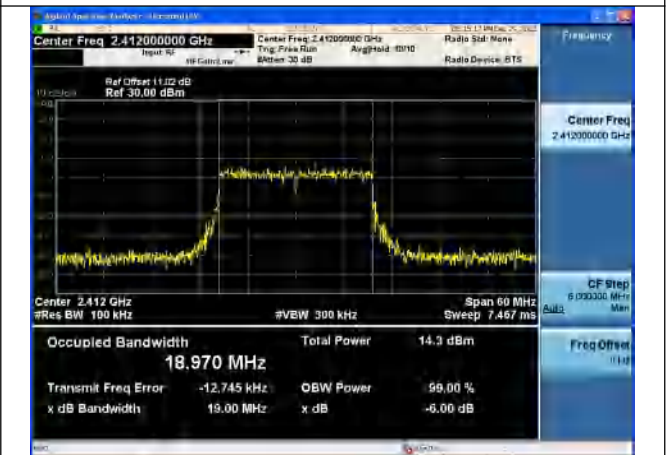
Test Mode: 802.11ax HE20



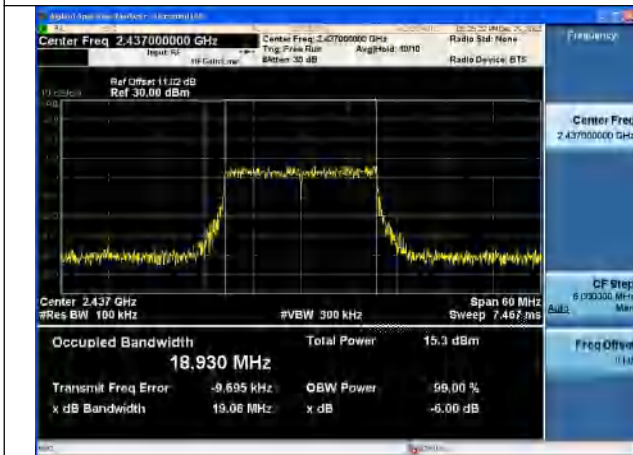
Test Mode:802.11ax HE20 2412MHz Chain0



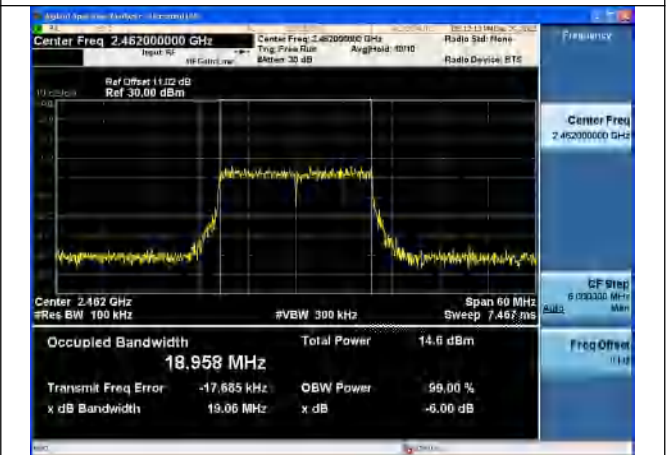
Test Mode:802.11ax HE20 2437MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0



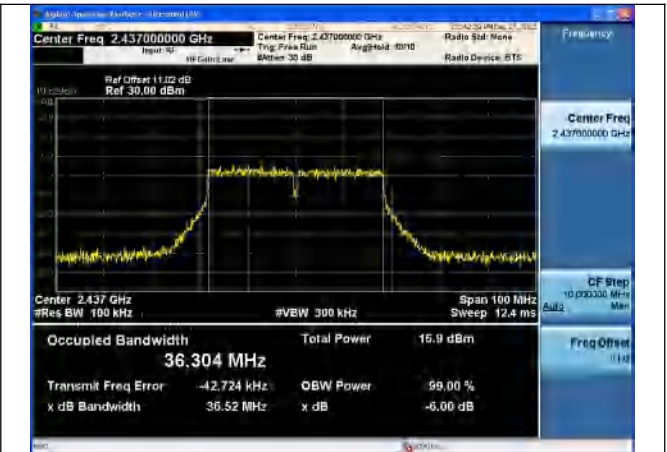
Test Mode:802.11ax HE20 2412MHz Chain1



Test Mode:802.11ax HE20 2437MHz Chain1

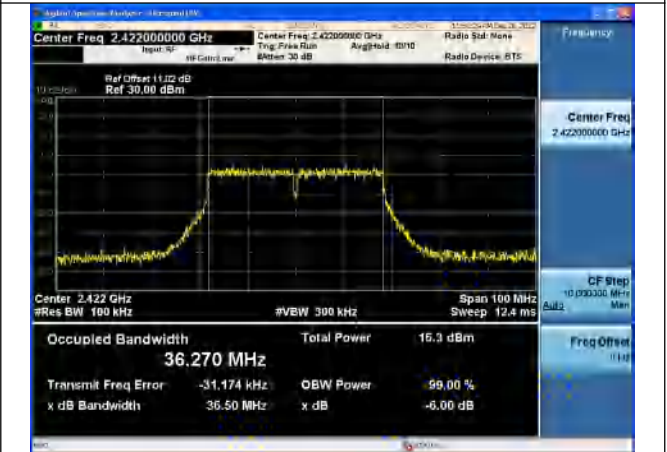
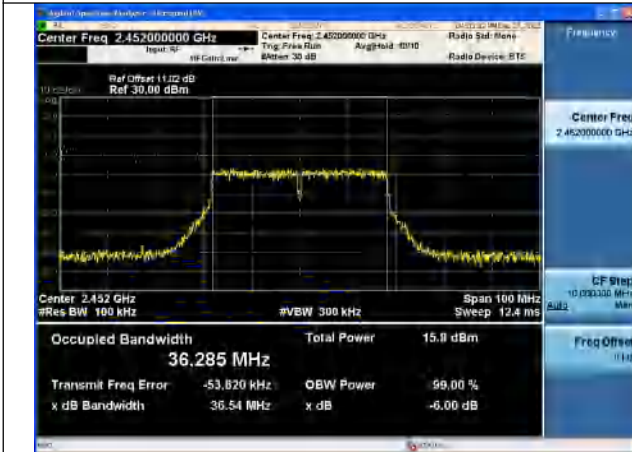
Test Mode:802.11ax HE20 2462MHz Chain1

Test Mode: 802.11n HT40



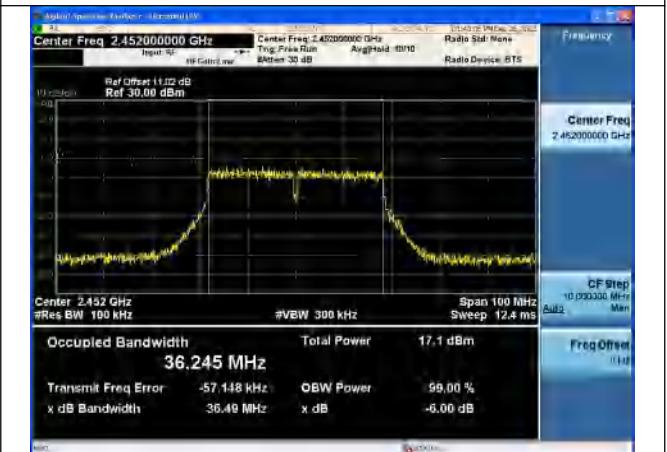
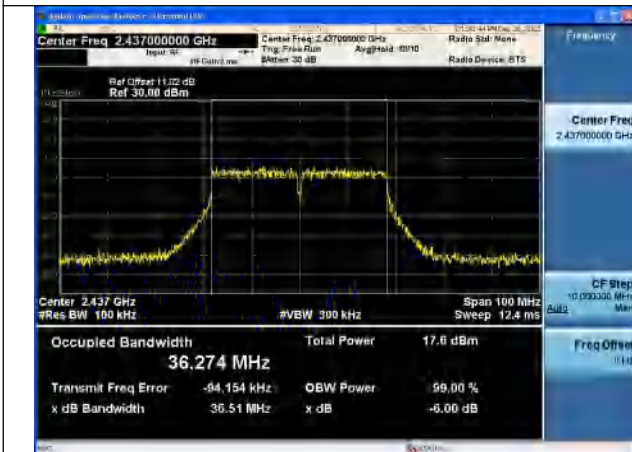
Test Mode:802.11n HT40 2422MHz Chain0

Test Mode:802.11n HT40 2437MHz Chain0



Test Mode:802.11n HT40 2452MHz Chain0

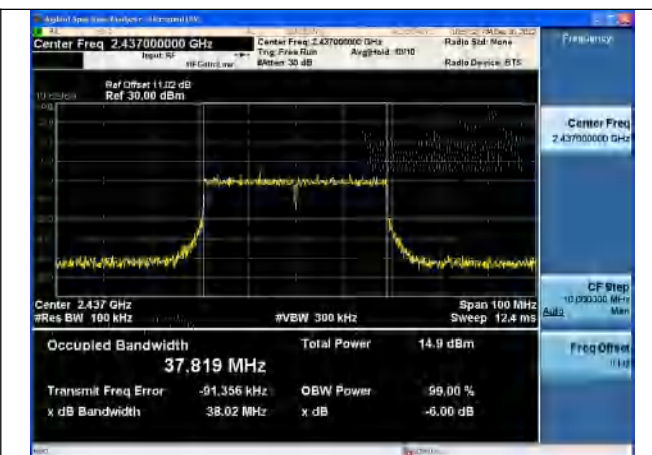
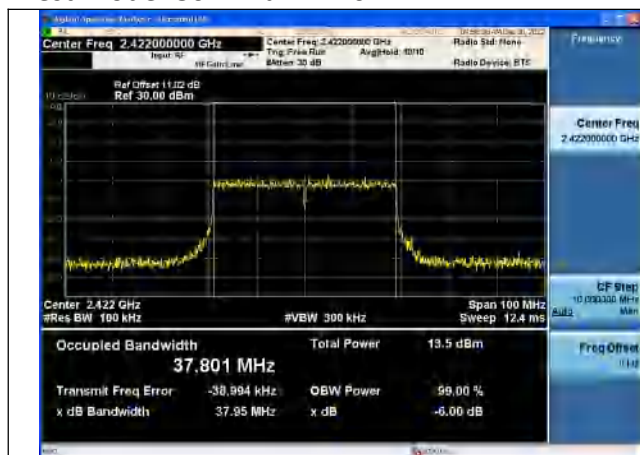
Test Mode:802.11n HT40 2422MHz Chain1



Test Mode:802.11n HT40 2437MHz Chain1

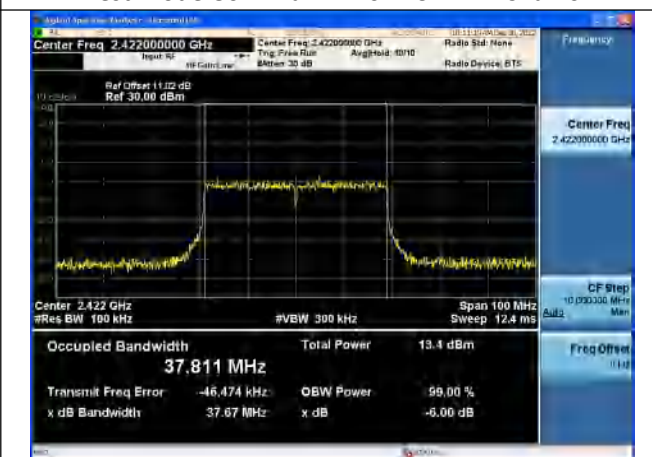
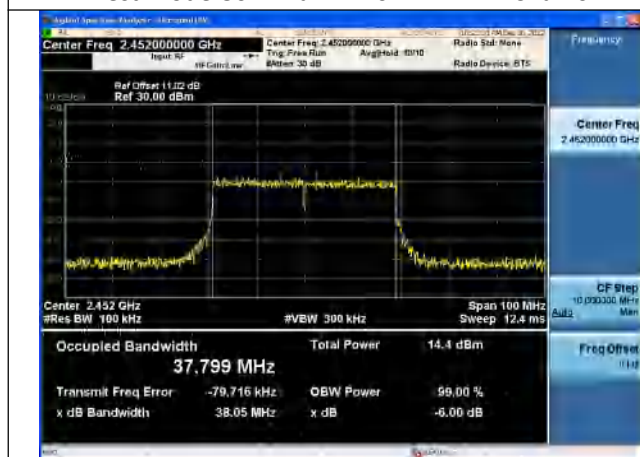
Test Mode:802.11n HT40 2452MHz Chain1

Test Mode: 802.11ax HE40



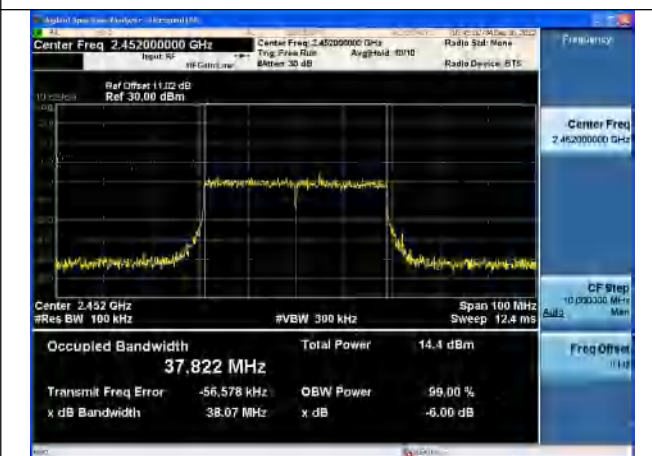
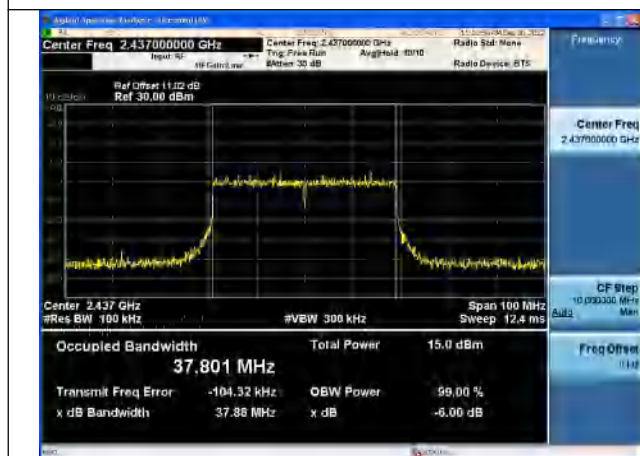
Test Mode:802.11ax HE40 2422MHz Chain0

Test Mode:802.11ax HE40 2437MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0

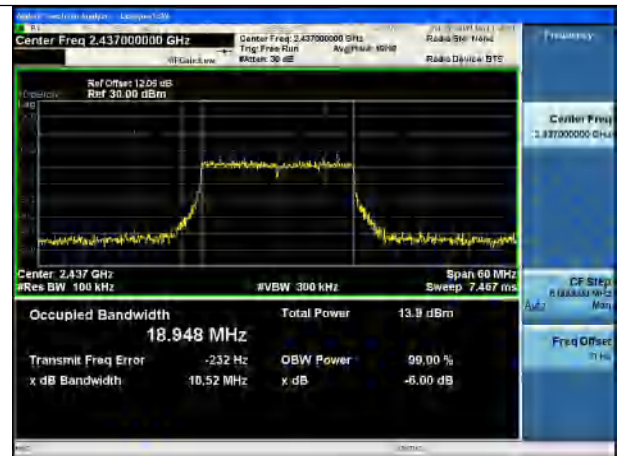
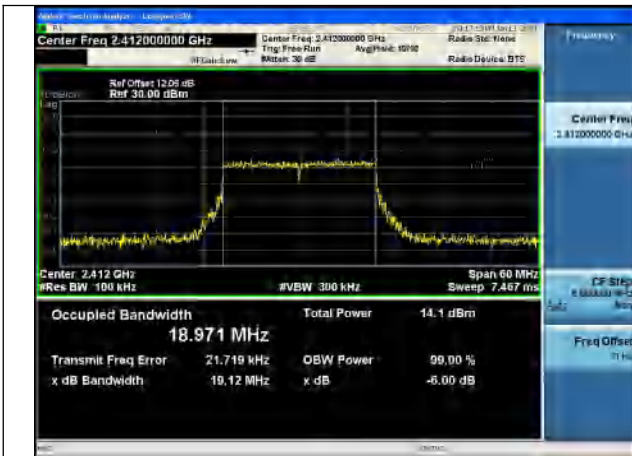
Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1

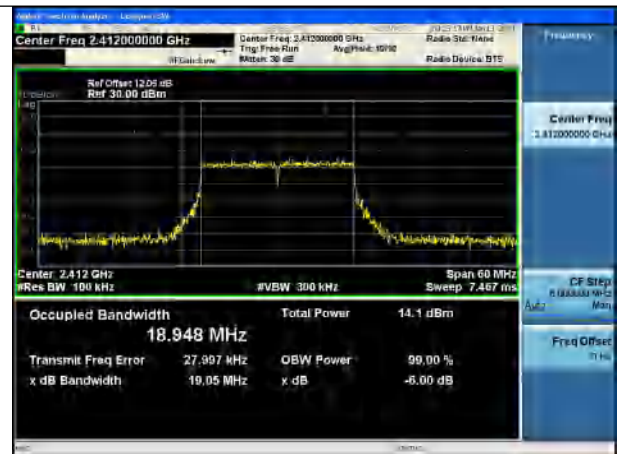
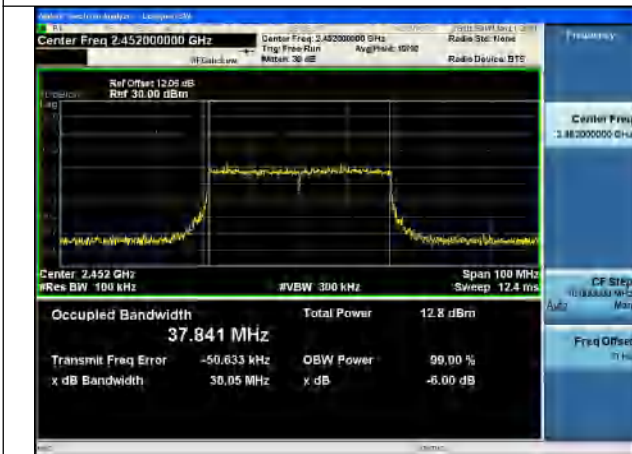
Test Mode:802.11ax HE40 2452MHz Chain1

Test Mode: 802.11be



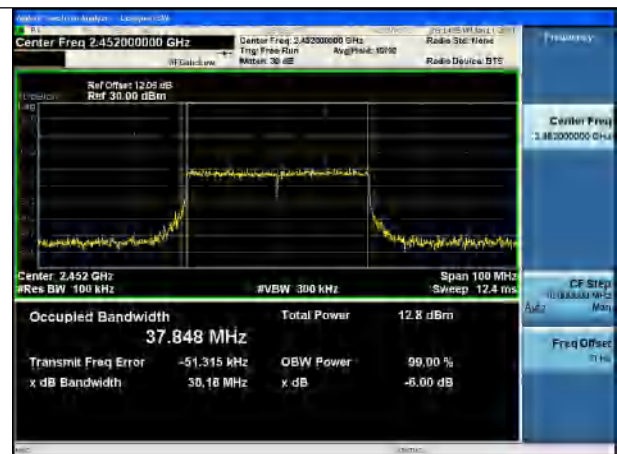
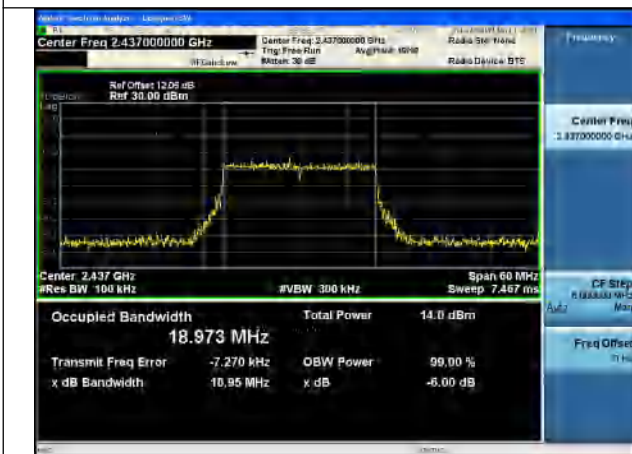
Test Mode:802.11be 2412MHz Chain0

Test Mode:802.11be 2437MHz Chain0



Test Mode:802.11be 2452MHz Chain0

Test Mode:802.11be 2412MHz Chain1



Test Mode:802.11be 2437MHz Chain1

Test Mode:802.11be 2452MHz Chain1

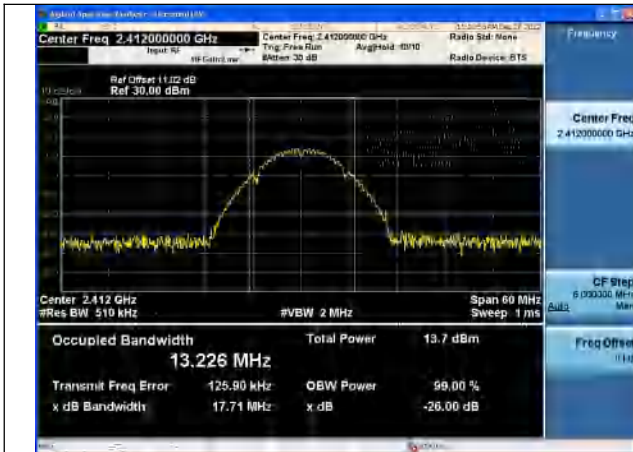
99% Bandwidth

Test Mode	Antenna	99% bandwidth (MHz)		
		Channel No.1	Channel No.6	Channel No.11
		2412MHz	2437MHz	2462MHz
802.11b	Chain0	13.226	13.251	13.102
802.11b	Chain1	13.198	13.221	13.239
802.11g	Chain0	16.883	16.930	16.697
802.11g	Chain1	16.951	16.928	16.909
802.11n HT20	Chain0	18.048	18.026	17.957
802.11n HT20	Chain1	17.998	18.005	17.928
802.11ax HE20	Chain0	19.105	19.120	19.124
802.11ax HE20	Chain1	19.052	19.106	19.087

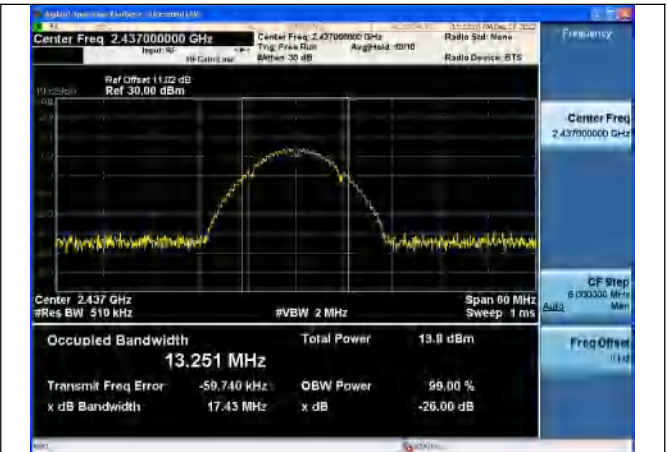
Test Mode	Antenna	99% bandwidth (MHz)		
		Channel No.3	Channel No.6	Channel No.9
		2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	36.323	36.351	36.299
802.11n HT40	Chain1	36.342	36.346	36.305
802.11ax HE40	Chain0	37.855	37.883	37.850
802.11ax HE40	Chain1	37.897	37.911	37.851

Test Mode	Antenna	99% bandwidth (MHz)		
		Channel No.1	Channel No.6	Channel No.9
		2412MHz	2437MHz	2452MHz
802.11be	Chain0	19.078	19.166	37.833
802.11be	Chain1	19.107	19.162	37.943

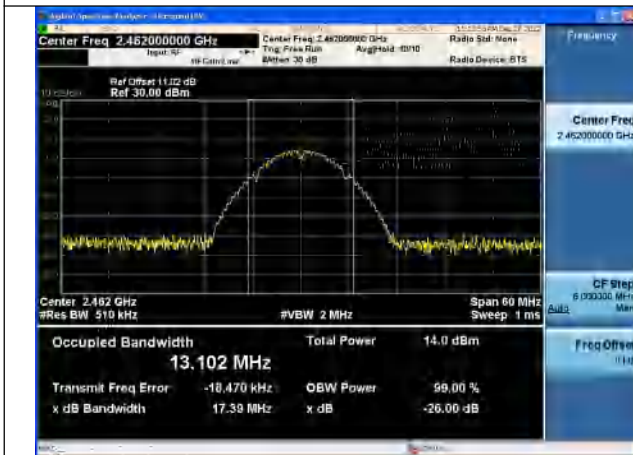
Test Mode: 802.11b



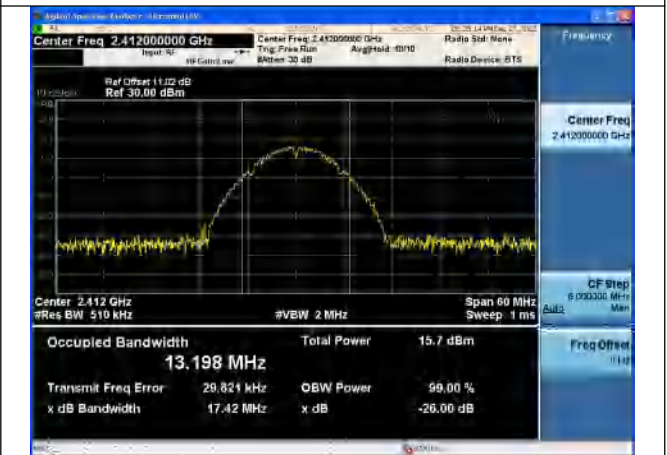
Test Mode:802.11b 2412MHz Chain0



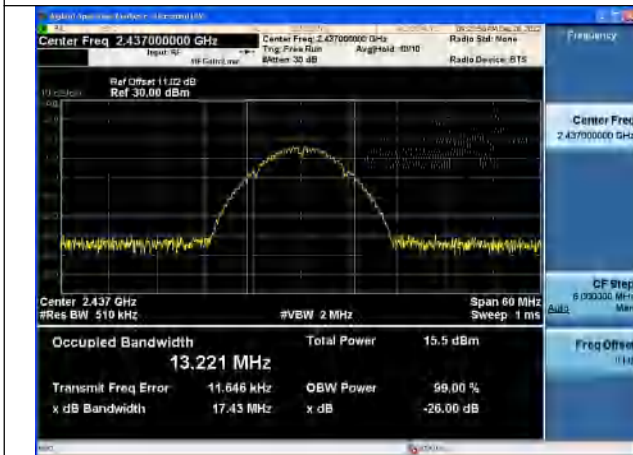
Test Mode:802.11b 2437MHz Chain0



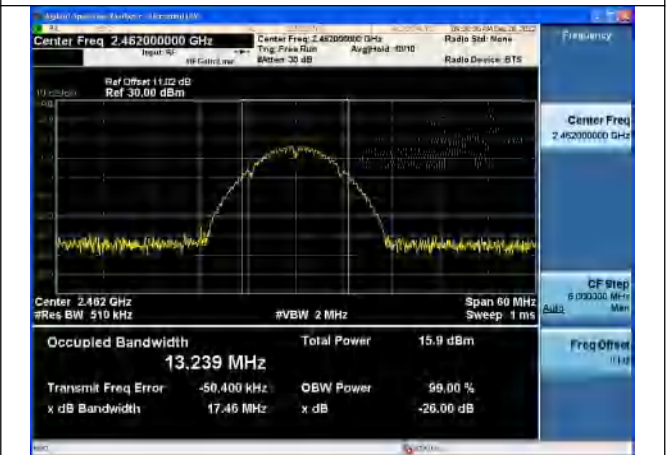
Test Mode:802.11b 2462MHz Chain0



Test Mode:802.11b 2412MHz Chain1

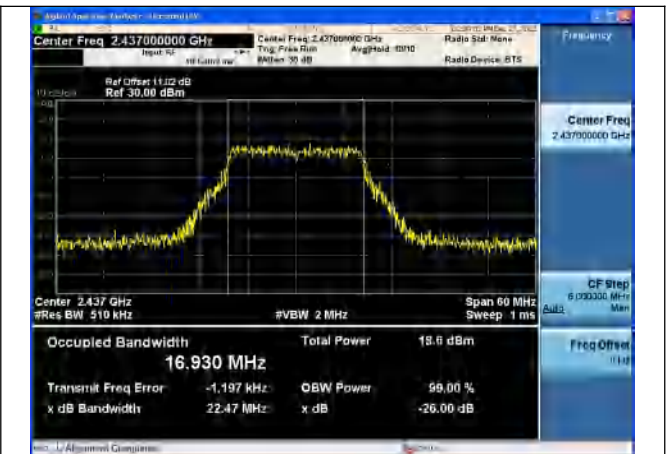
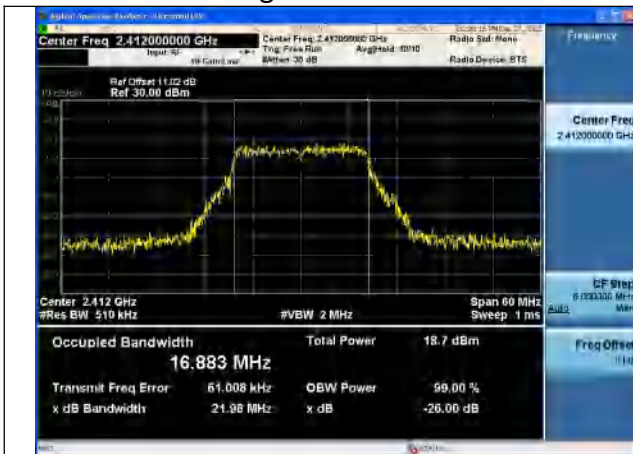


Test Mode:802.11b 2437MHz Chain1



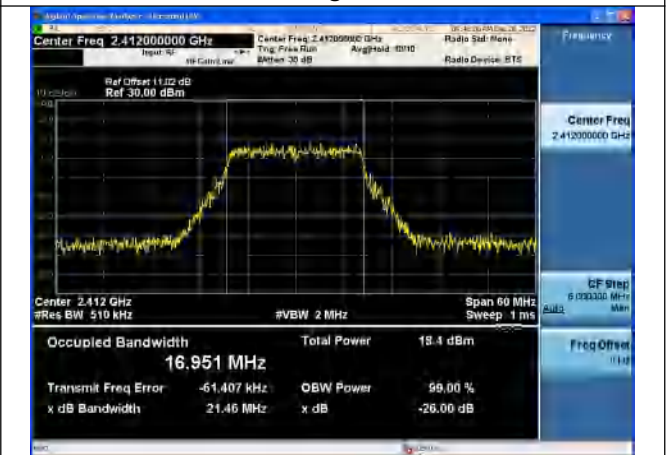
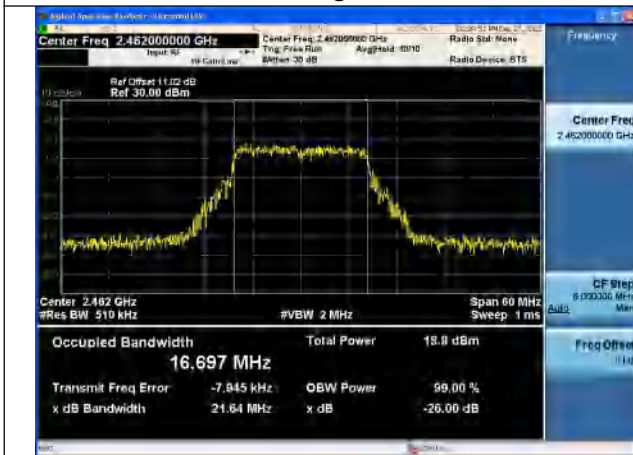
Test Mode:802.11b 2462MHz Chain1

Test Mode: 802.11g



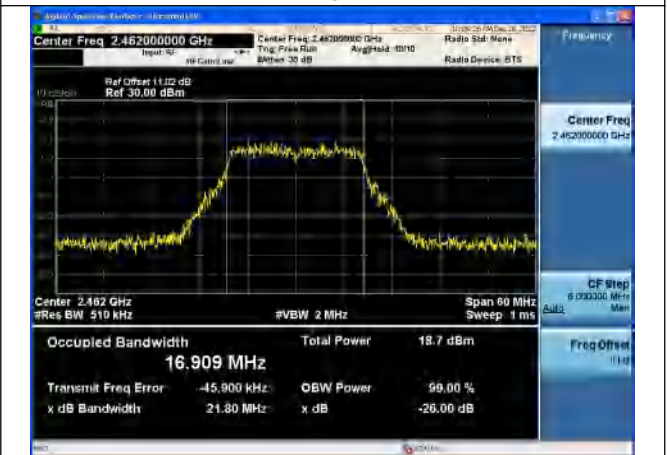
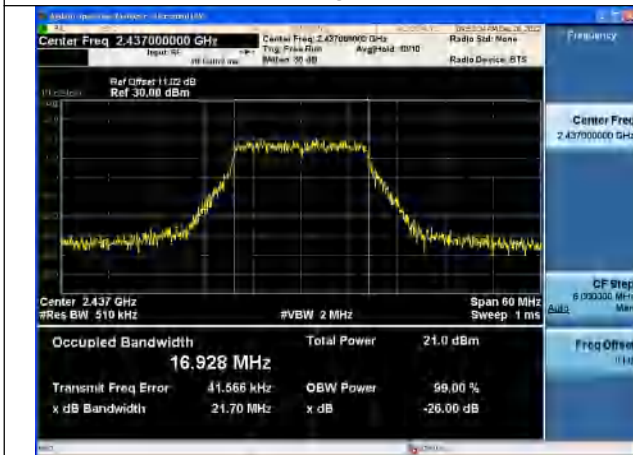
Test Mode:802.11g 2412MHz Chain0

Test Mode:802.11g 2437MHz Chain0



Test Mode:802.11g 2462MHz Chain0

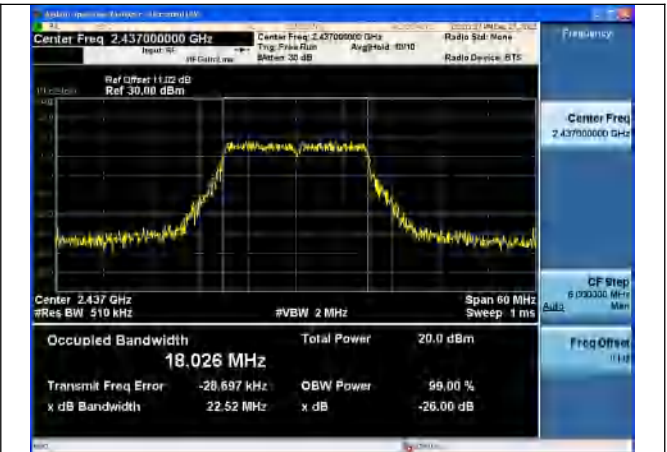
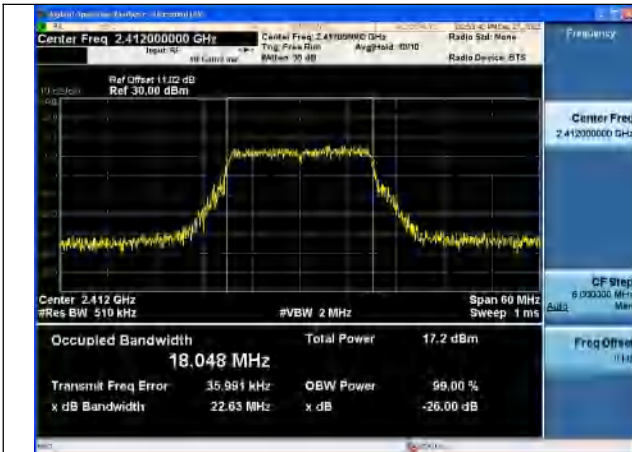
Test Mode:802.11g 2412MHz Chain1



Test Mode:802.11g 2437MHz Chain1

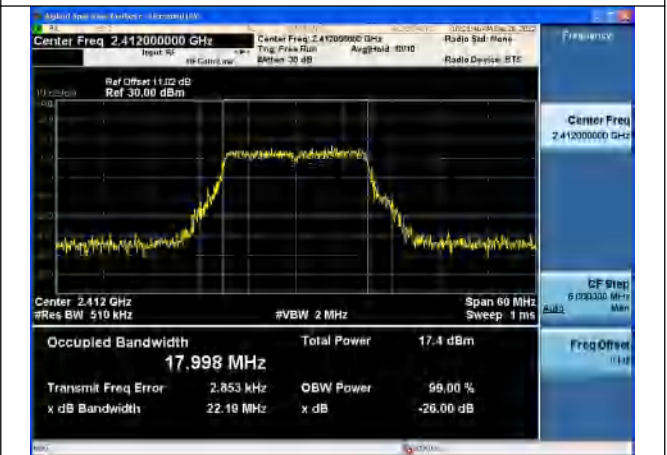
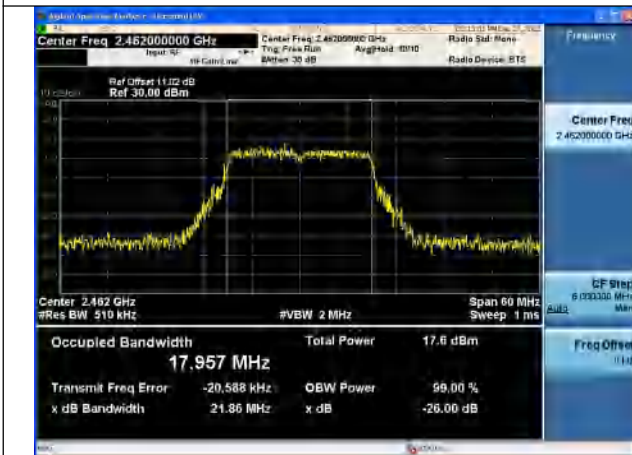
Test Mode:802.11g 2462MHz Chain1

Test Mode: 802.11n HT20



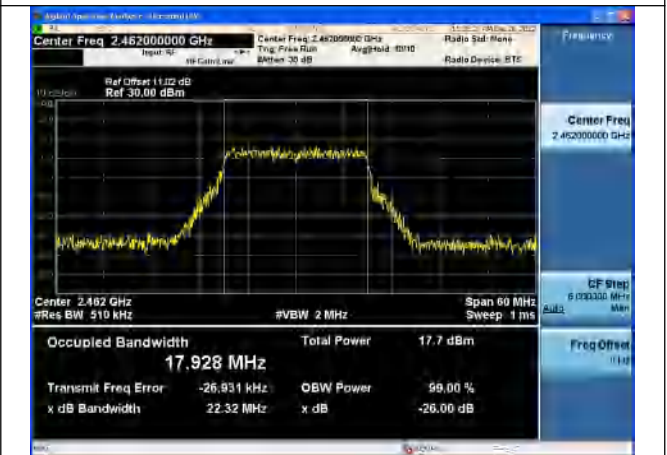
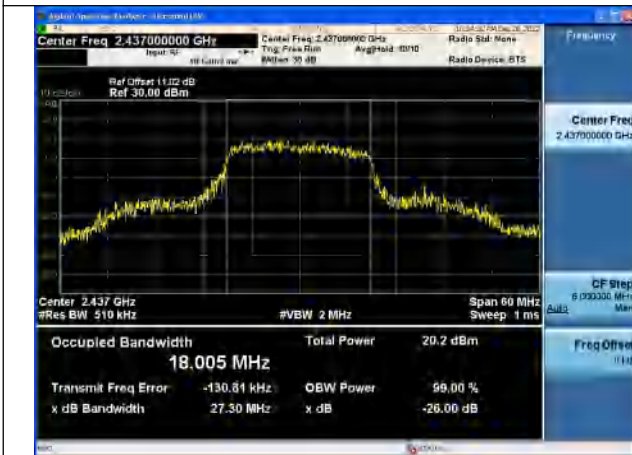
Test Mode:802.11n HT20 2412MHz Chain0

Test Mode:802.11n HT20 2437MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0

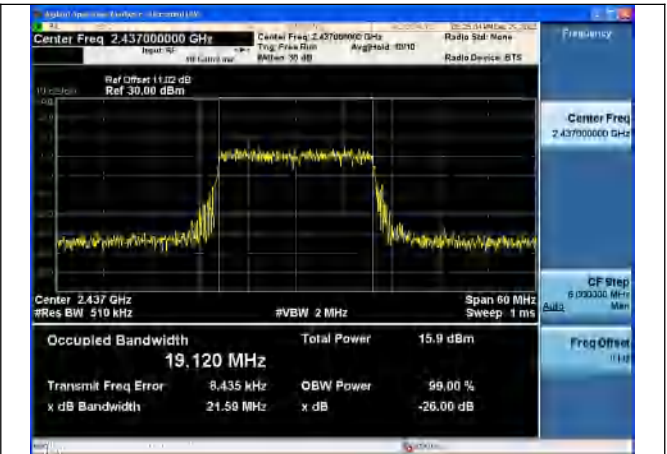
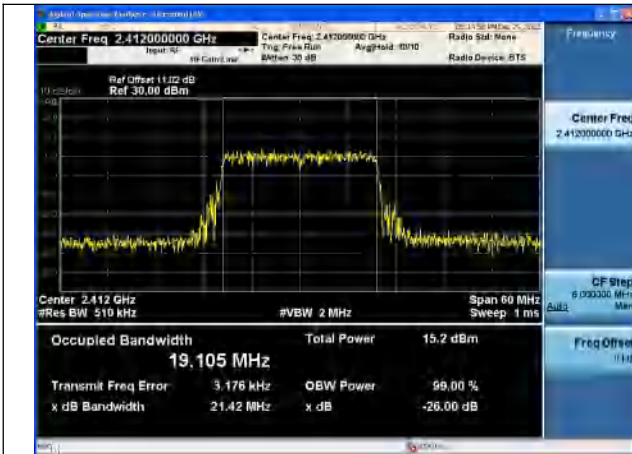
Test Mode:802.11n HT20 2412MHz Chain1



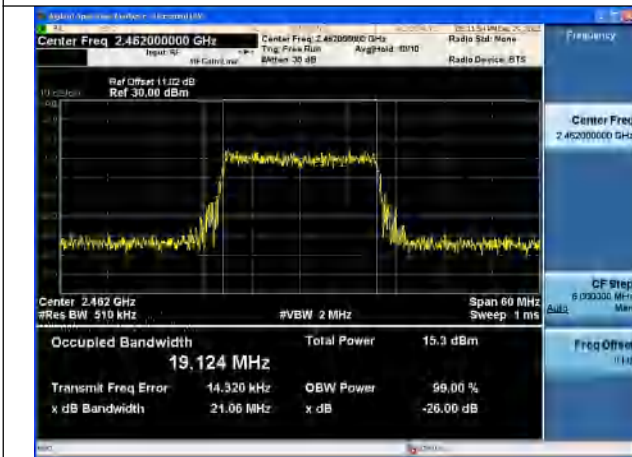
Test Mode:802.11n HT20 2437MHz Chain1

Test Mode:802.11n HT20 2462MHz Chain1

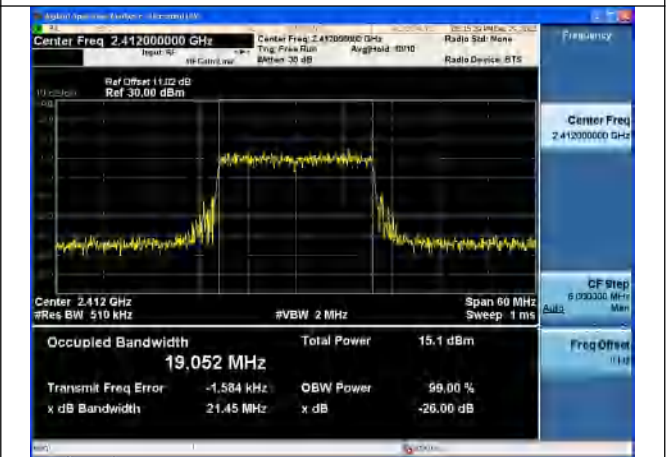
Test Mode: 802.11ax HE20



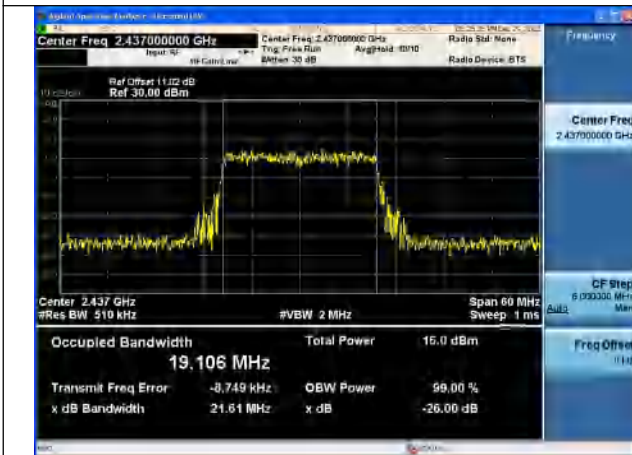
Test Mode:802.11ax HE20 2412MHz Chain0



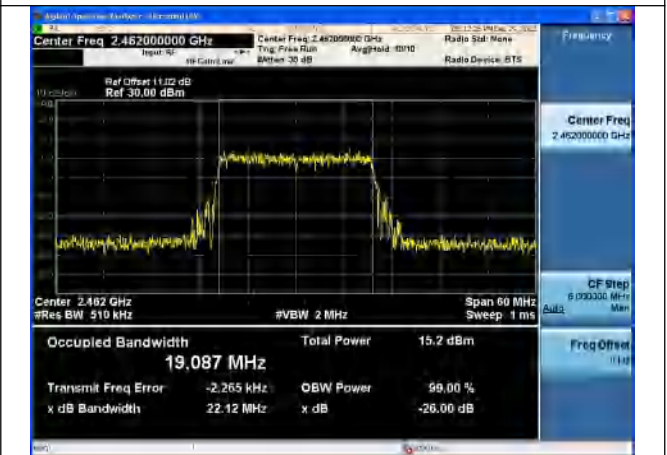
Test Mode:802.11ax HE20 2437MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0



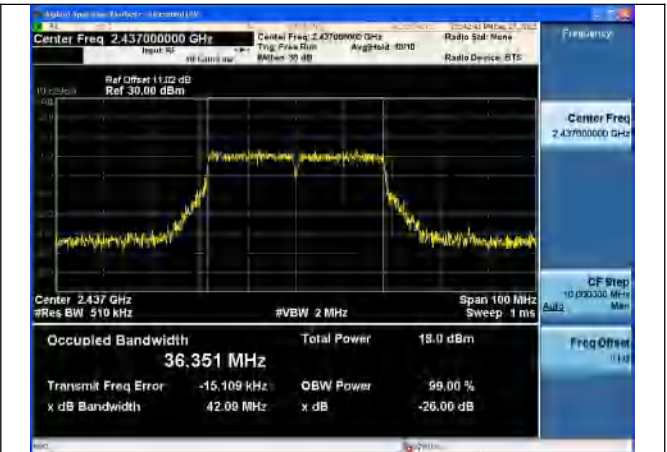
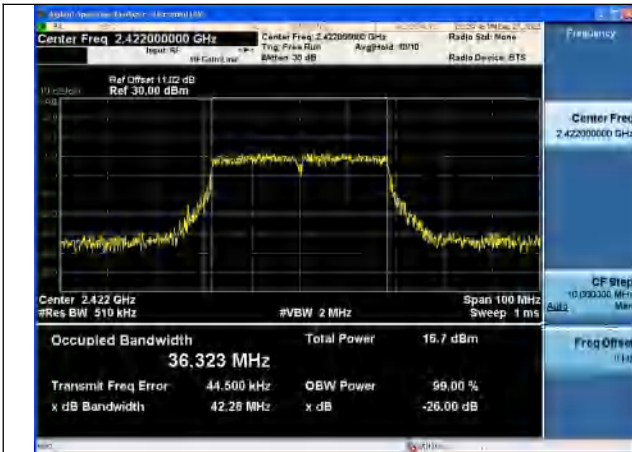
Test Mode:802.11ax HE20 2412MHz Chain1



Test Mode:802.11ax HE20 2437MHz Chain1

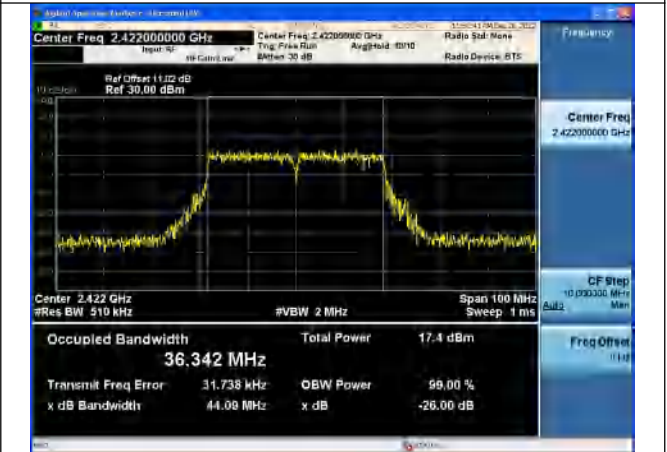
Test Mode:802.11ax HE20 2462MHz Chain1

Test Mode: 802.11n HT40



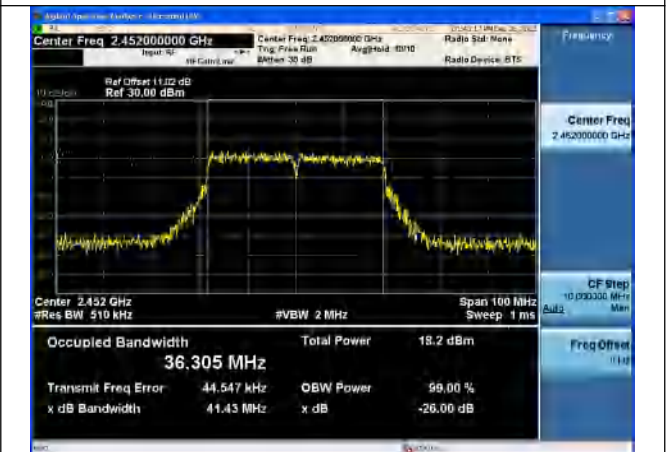
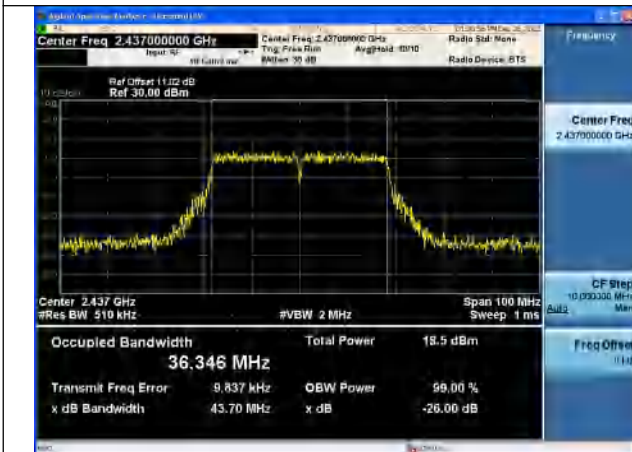
Test Mode:802.11n HT40 2422MHz Chain0

Test Mode:802.11n HT40 2437MHz Chain0



Test Mode:802.11n HT40 2422MHz Chain0

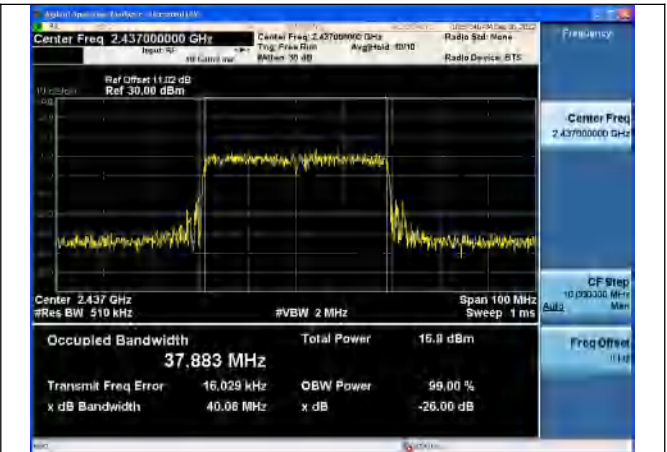
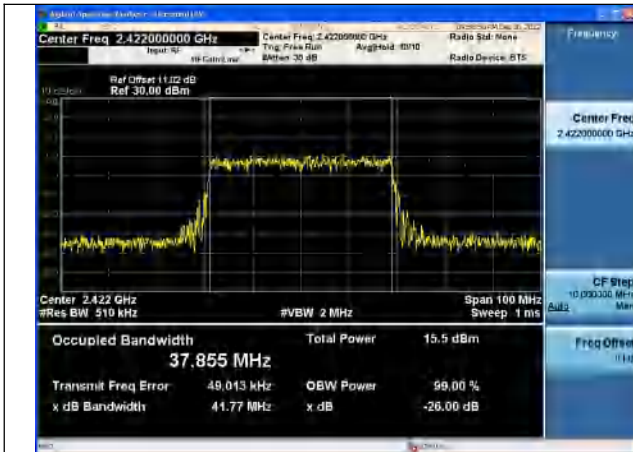
Test Mode:802.11n HT40 2437MHz Chain1



Test Mode:802.11n HT40 2437MHz Chain1

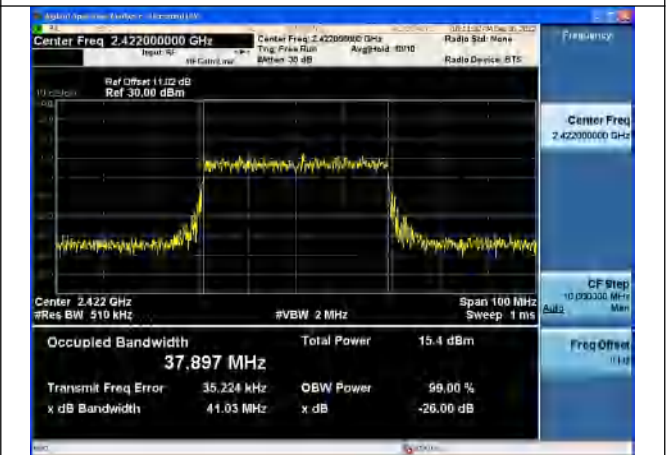
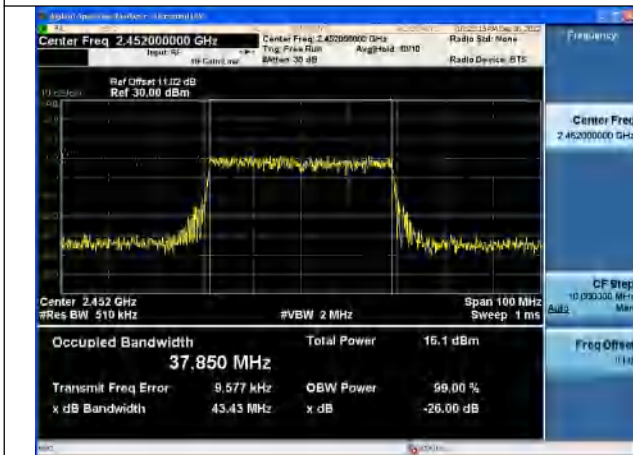
Test Mode:802.11n HT40 2452MHz Chain1

Test Mode: 802.11ax HE40



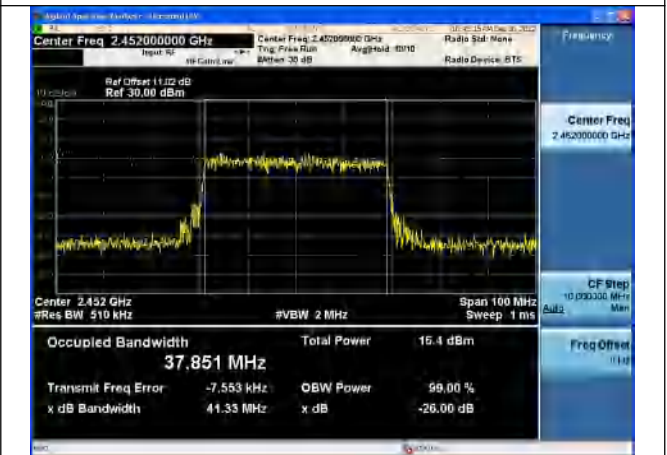
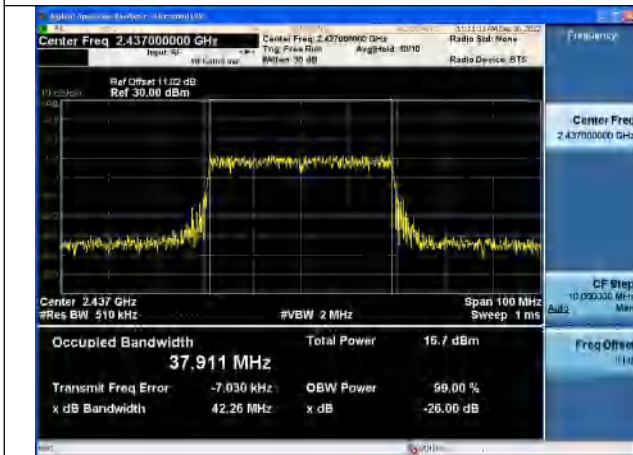
Test Mode:802.11ax HE40 2422MHz Chain0

Test Mode:802.11ax HE40 2437MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0

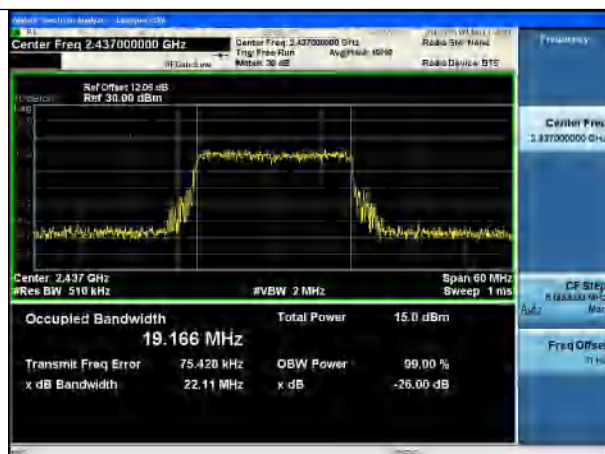
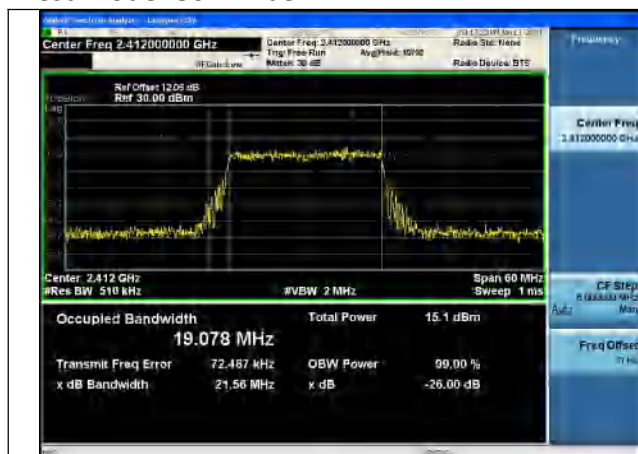
Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1

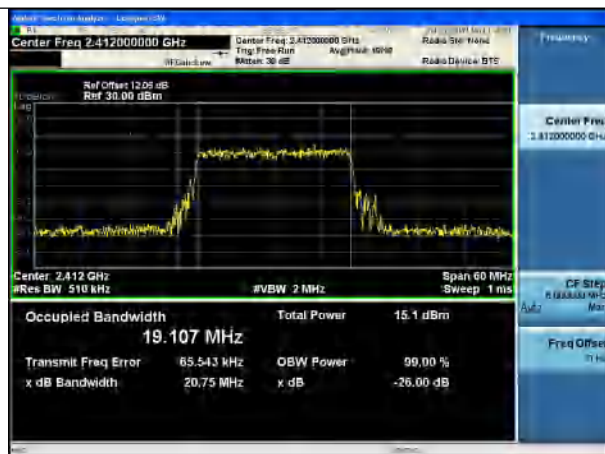
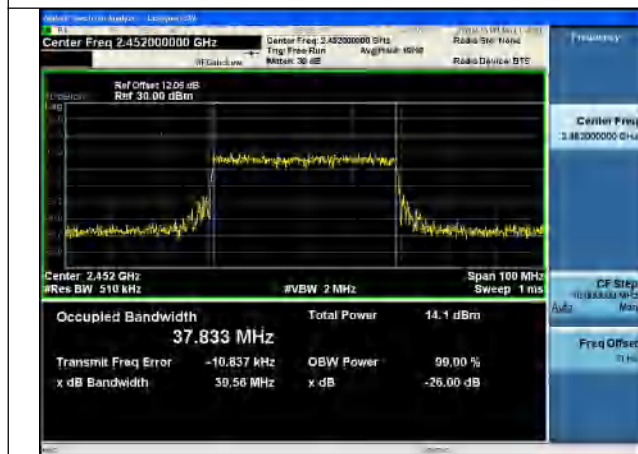
Test Mode:802.11ax HE40 2452MHz Chain1

Test Mode: 802.11be



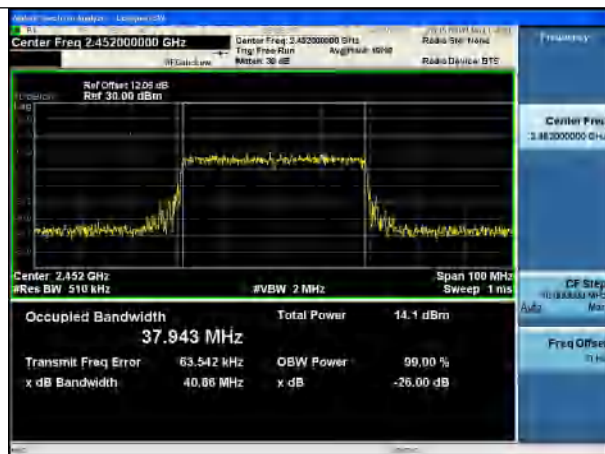
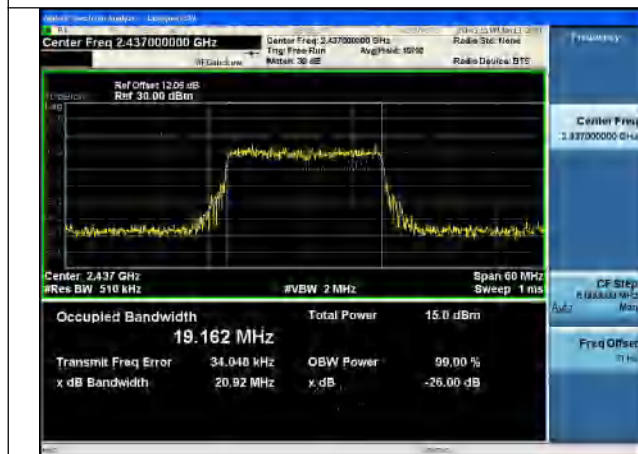
Test Mode:802.11be 2412MHz Chain0

Test Mode:802.11be 2437MHz Chain0



Test Mode:802.11be 2452MHz Chain0

Test Mode:802.11be 2412MHz Chain1



Test Mode:802.11be 2437MHz Chain1

Test Mode:802.11be 2452MHz Chain1

Transmitter Power Spectral Density

Test Mode	Antenna	Tones	Power Density(dBm)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11b	Chain0	NA	-10.222	-8.774	-8.107
802.11b	Chain1	NA	-9.830	-9.755	-9.361
802.11g	Chain0	NA	-9.790	-10.332	-10.039
802.11g	Chain1	NA	-10.796	-7.971	-10.989
802.11n HT20	Chain0	NA	-10.809	-7.575	-9.725
802.11n HT20	Chain1	NA	-10.551	-7.112	-10.124
802.11n HT20	MIMO	NA	-7.668	-4.327	-6.910
802.11ax HE20	Chain0	26T	-5.969	-7.732	-7.268
802.11ax HE20	Chain1	26T	-5.994	-7.756	-7.316
802.11ax HE20	MIMO	26T	-2.971	-4.734	-4.282
802.11ax HE20	Chain0	52T	-6.629	-6.535	-5.813
802.11ax HE20	Chain1	52T	-6.652	-6.495	-5.760
802.11ax HE20	MIMO	52T	-3.630	-3.505	-2.776
802.11ax HE20	Chain0	106T	-8.249	-6.884	-7.137
802.11ax HE20	Chain1	106T	-8.169	-6.885	-7.117
802.11ax HE20	MIMO	106T	-5.199	-3.874	-4.117
802.11ax HE20	Chain0	242T	-14.782	-13.378	-13.057
802.11ax HE20	Chain1	242T	-14.797	-13.367	-13.057
802.11ax HE20	MIMO	242T	-11.779	-10.362	-10.047
802.11be HE20	Chain0	26+106	-9.222	-7.882	-8.680
802.11be HE20	Chain1	26+106	-9.173	-7.890	-8.787
802.11be HE20	MIMO	26+106	-6.187	-4.876	-5.723
802.11be HE20	Chain0	26+52	-9.184	-9.168	-9.148
802.11be HE20	Chain1	26+52	-9.239	-9.177	-9.021
802.11be HE20	MIMO	26+52	-6.201	-6.162	-6.074

Test Mode	Antenna	Tones	Power Density(dBm)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11n HT40	Chain0	NA	-14.243	-13.361	-14.886
802.11n HT40	Chain1	NA	-14.132	-12.582	-13.049
802.11n HT40	MIMO	NA	-11.177	-9.944	-10.861
802.11ax HE40	Chain0	26T	-7.068	-6.927	-7.413
802.11ax HE40	Chain1	26T	-7.045	-6.931	-7.336
802.11ax HE40	MIMO	26T	-4.046	-3.919	-4.364
802.11ax HE40	Chain0	52T	-5.538	-6.867	-6.416
802.11ax HE40	Chain1	52T	-5.398	-6.929	-6.430
802.11ax HE40	MIMO	52T	-2.457	-3.888	-3.413
802.11ax HE40	Chain0	106T	-7.743	-6.224	-6.942
802.11ax HE40	Chain1	106T	-7.363	-6.255	-7.145
802.11ax HE40	MIMO	106T	-4.539	-3.229	-4.032
802.11ax HE40	Chain0	242T	-13.294	-13.991	-13.377
802.11ax HE40	Chain1	242T	-13.297	-13.996	-13.370
802.11ax HE40	MIMO	242T	-10.285	-10.983	-10.363
802.11ax HE40	Chain0	484T	-16.966	-15.906	-15.368
802.11ax HE40	Chain1	484T	-16.968	-15.864	-15.370
802.11ax HE40	MIMO	484T	-13.957	-12.875	-12.359
802.11be HE40	Chain0	26+106	-7.480	-7.371	-7.705
802.11be HE40	Chain1	26+106	-8.478	-6.395	-7.638
802.11be HE40	MIMO	26+106	-4.940	-3.845	-4.661
802.11be HE40	Chain0	26+52	-8.859	-8.152	-9.011
802.11be HE40	Chain1	26+52	-8.871	-8.551	-9.123
802.11be HE40	MIMO	26+52	-5.855	-5.337	-6.056

Test Mode: 802.11b



Test Mode:802.11b 2412MHz Chain0



Test Mode:802.11b 2437MHz Chain0



Test Mode:802.11b 2462MHz Chain0



Test Mode:802.11b 2412MHz Chain1



Test Mode:802.11b 2437MHz Chain1

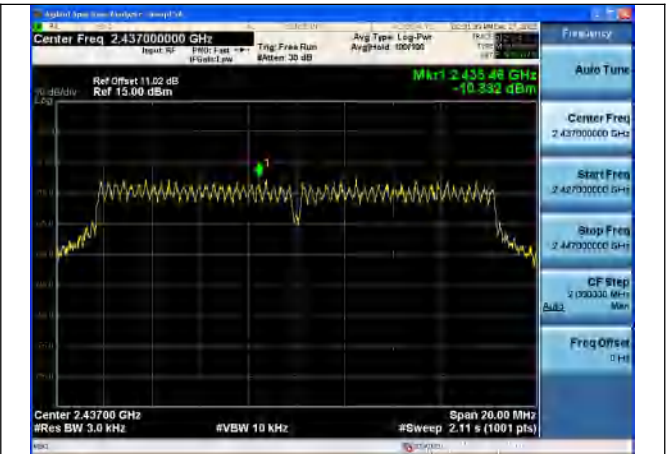


Test Mode:802.11b 2462MHz Chain1

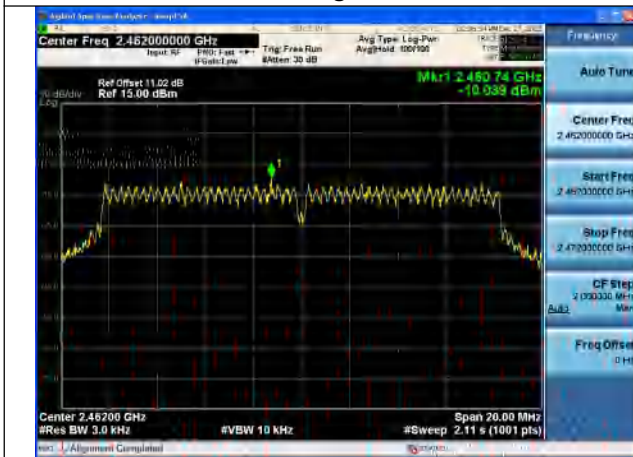
Test Mode: 802.11g



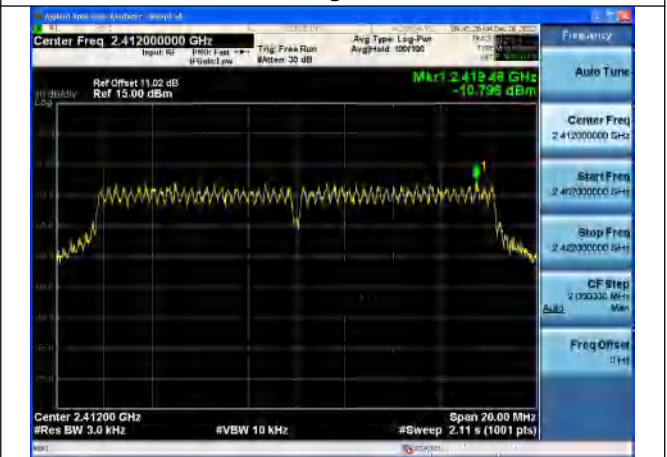
Test Mode:802.11g 2412MHz Chain0



Test Mode:802.11g 2437MHz Chain0



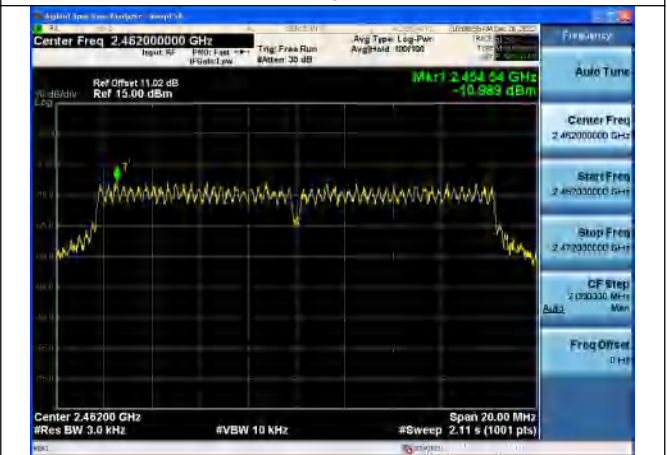
Test Mode:802.11g 2462MHz Chain0



Test Mode:802.11g 2412MHz Chain1



Test Mode:802.11g 2437MHz Chain1



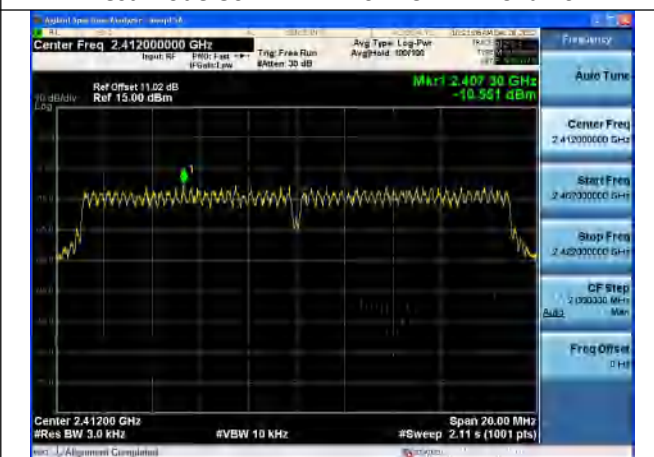
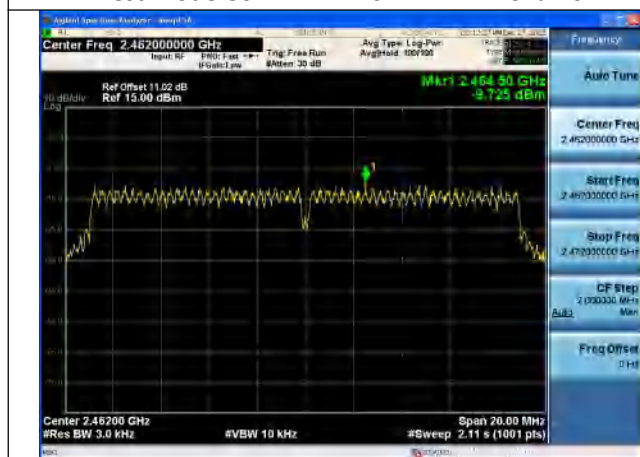
Test Mode:802.11g 2462MHz Chain1

Test Mode: 802.11n HT20



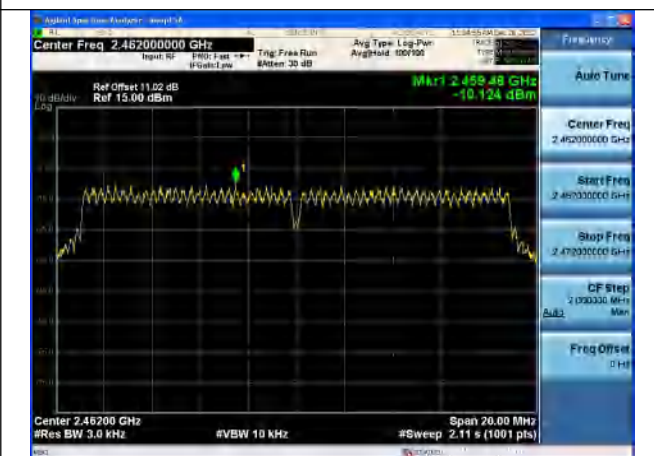
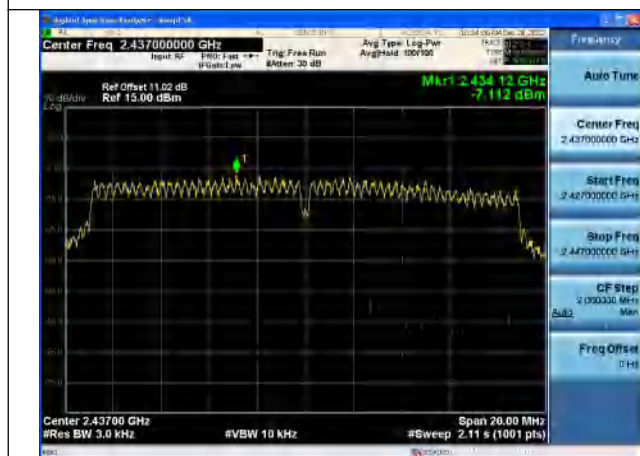
Test Mode:802.11n HT20 2412MHz Chain0

Test Mode:802.11n HT20 2437MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0

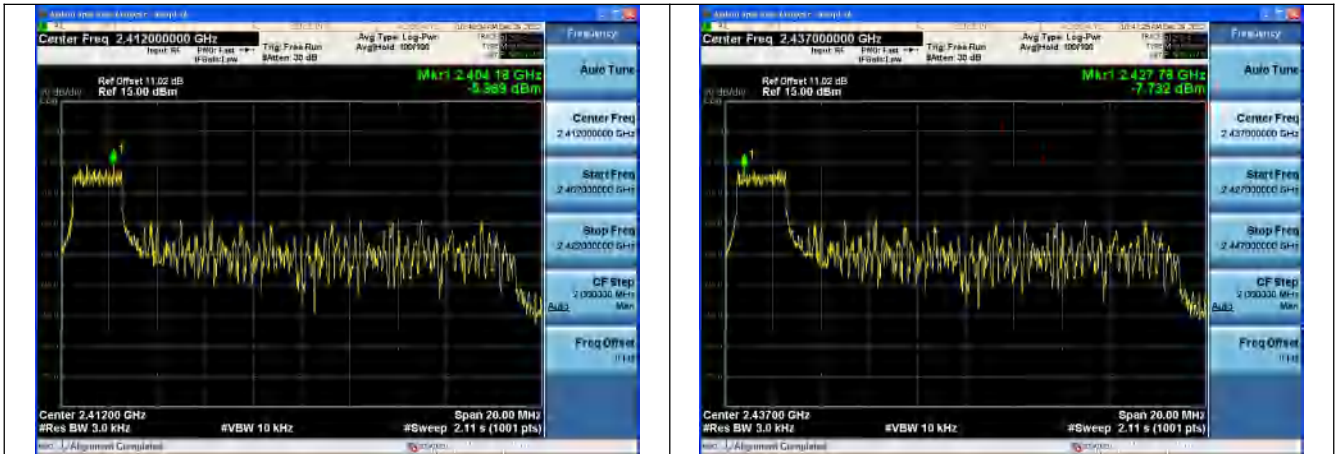
Test Mode:802.11n HT20 2412MHz Chain1



Test Mode:802.11n HT20 2437MHz Chain1

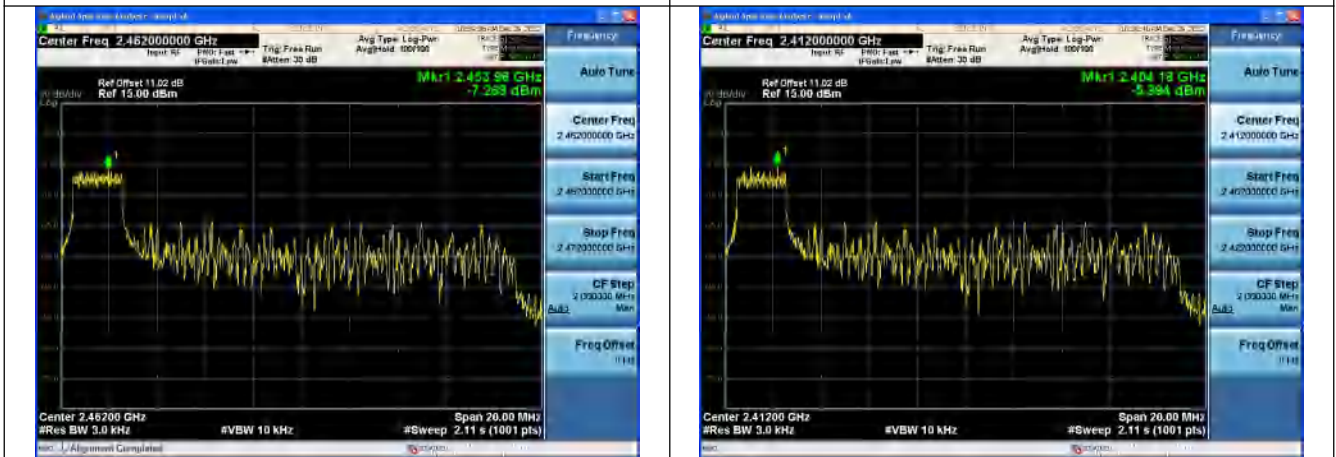
Test Mode:802.11n HT20 2462MHz Chain1

Test Mode: 802.11ax HE20



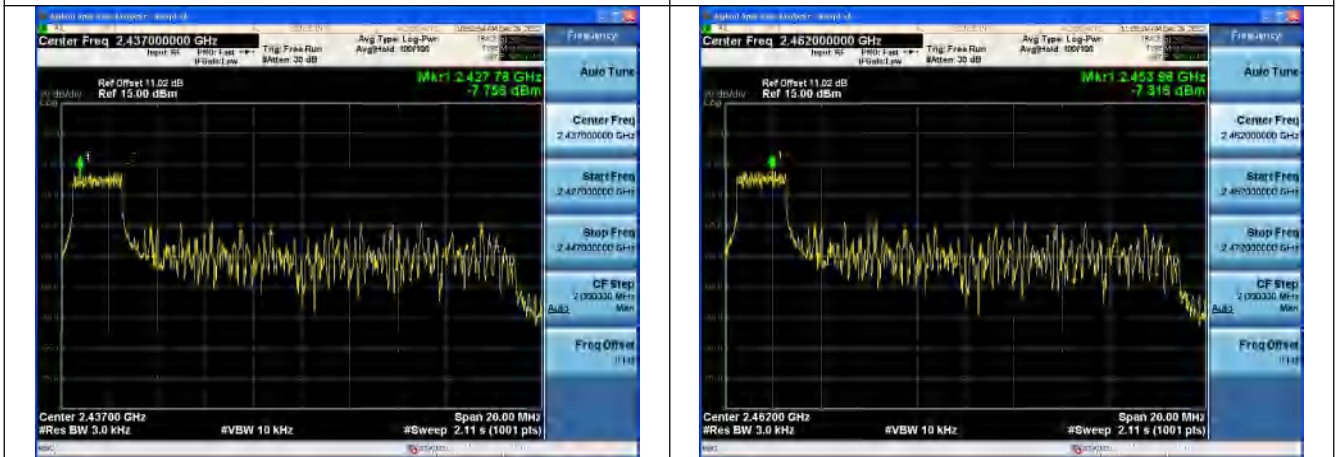
Test Mode:802.11ax HE20 2412MHz Chain0

Test Mode:802.11ax HE20 2437MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0

Test Mode:802.11ax HE20 2412MHz Chain1

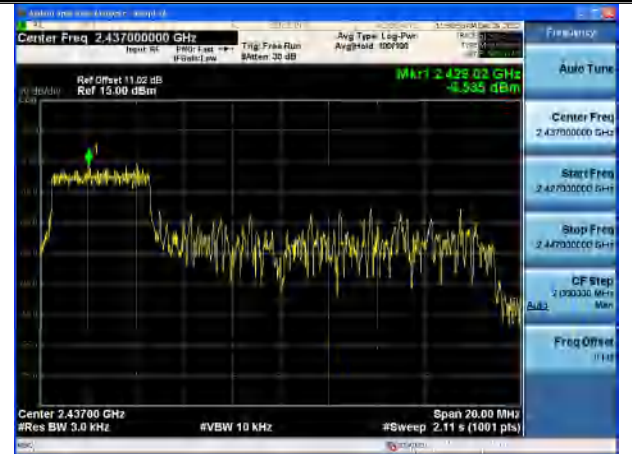


Test Mode:802.11ax HE20 2437MHz Chain1

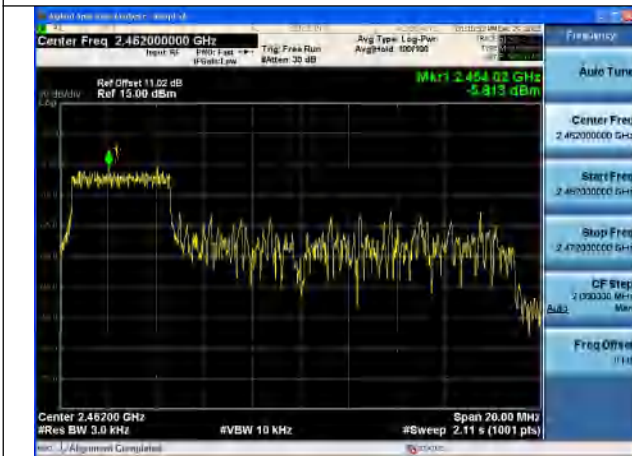
Test Mode:802.11ax HE20 2462MHz Chain1



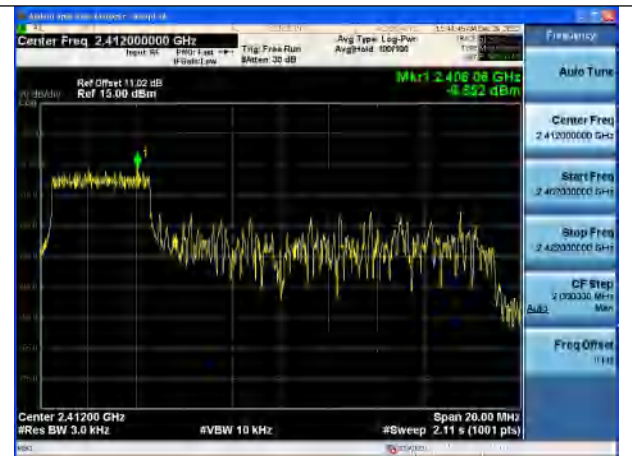
Test Mode:802.11ax HE20 2412MHz Chain0



Test Mode:802.11ax HE20 2437MHz Chain0



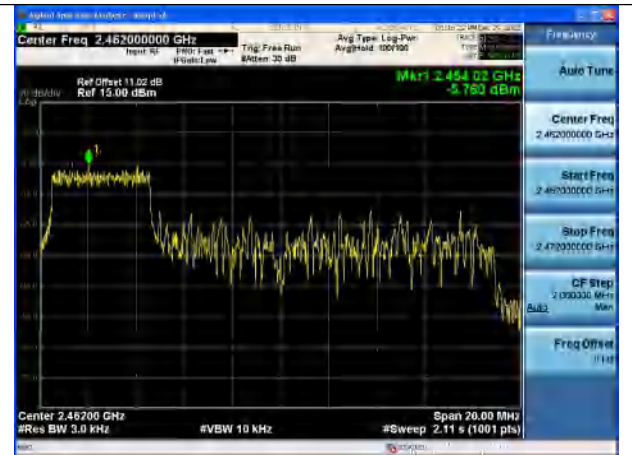
Test Mode:802.11ax HE20 2462MHz Chain0



Test Mode:802.11ax HE20 2412MHz Chain1



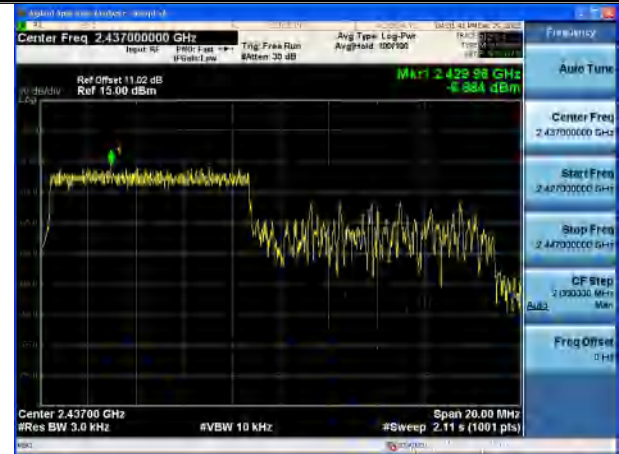
Test Mode:802.11ax HE20 2437MHz Chain1



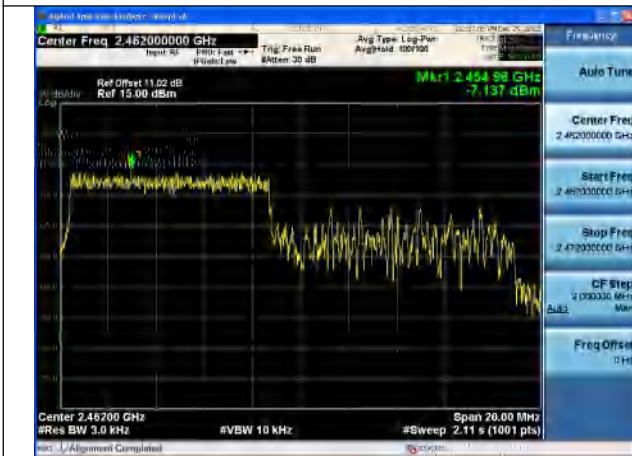
Test Mode:802.11ax HE20 2462MHz Chain1



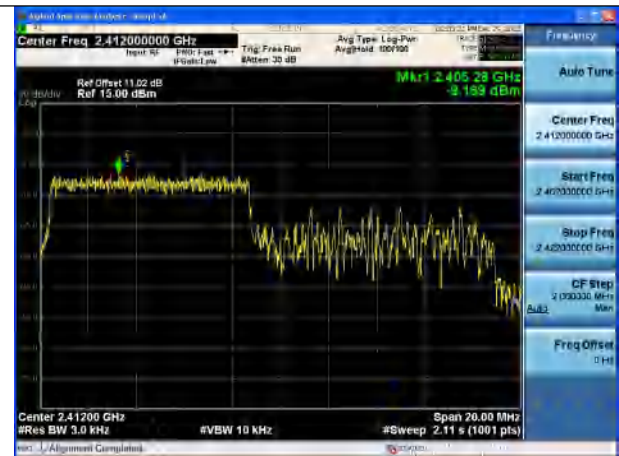
Test Mode:802.11ax HE20 2412MHz Chain0



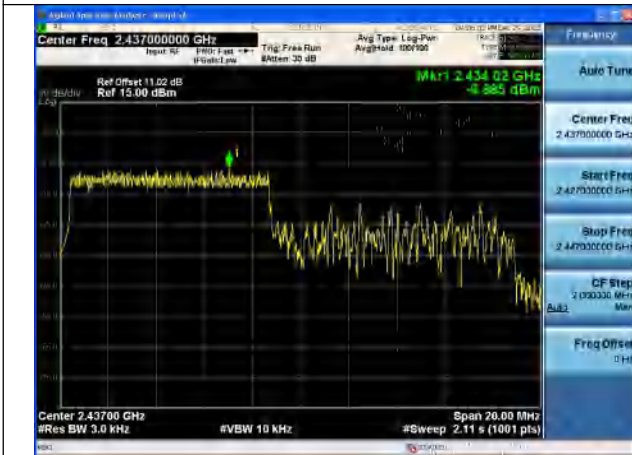
Test Mode:802.11ax HE20 2437MHz Chain0



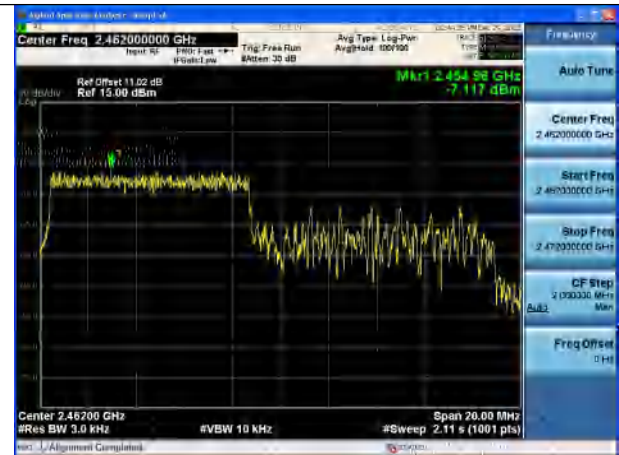
Test Mode:802.11ax HE20 2462MHz Chain0



Test Mode:802.11ax HE20 2412MHz Chain1



Test Mode:802.11ax HE20 2437MHz Chain1



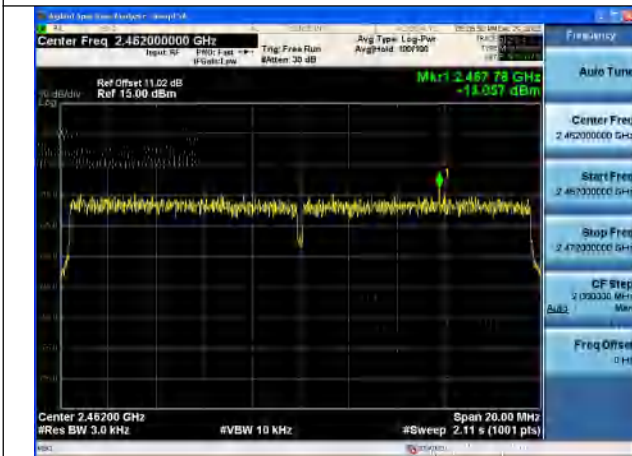
Test Mode:802.11ax HE20 2462MHz Chain1



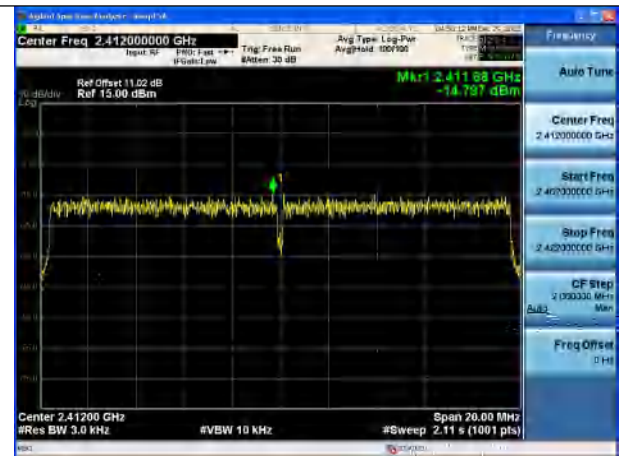
Test Mode:802.11ax HE20 2412MHz Chain0



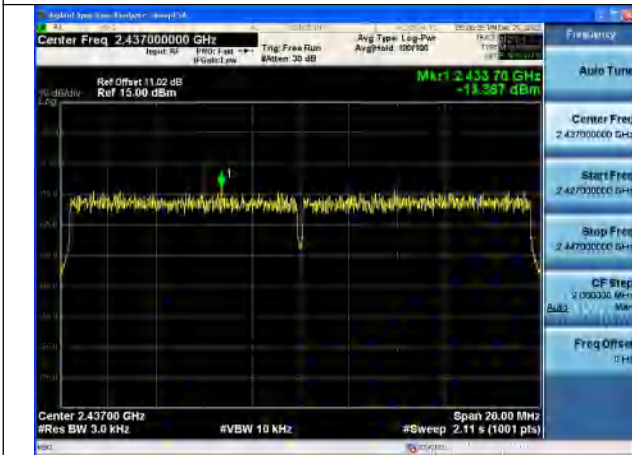
Test Mode:802.11ax HE20 2437MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0



Test Mode:802.11ax HE20 2412MHz Chain1

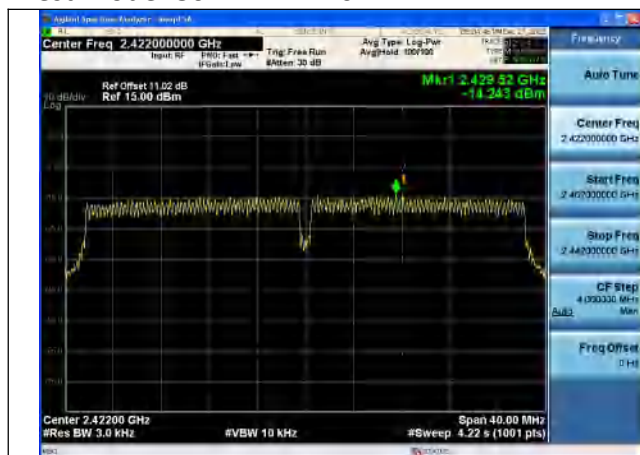


Test Mode:802.11ax HE20 2437MHz Chain1

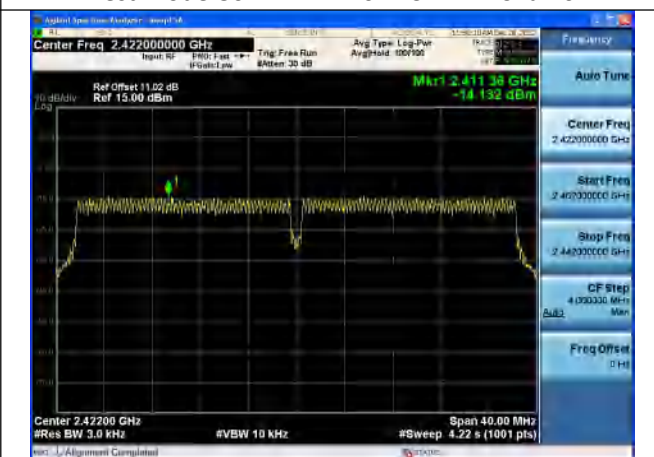
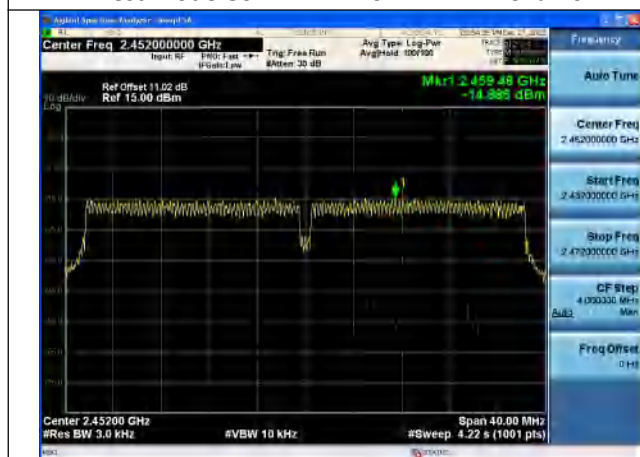


Test Mode:802.11ax HE20 2462MHz Chain1

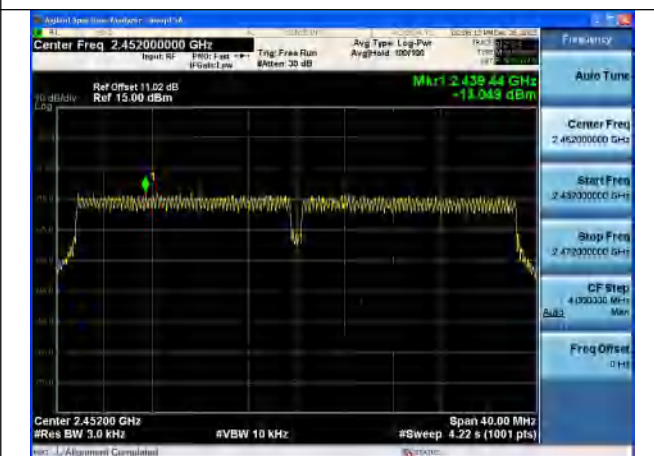
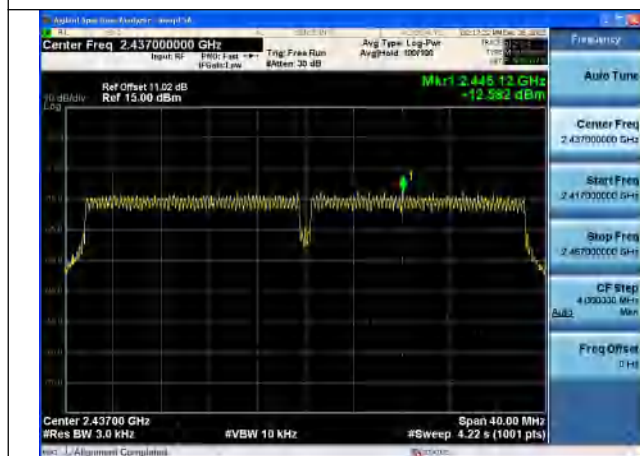
Test Mode: 802.11n HT40



Test Mode:802.11n HT40 2422MHz Chain0



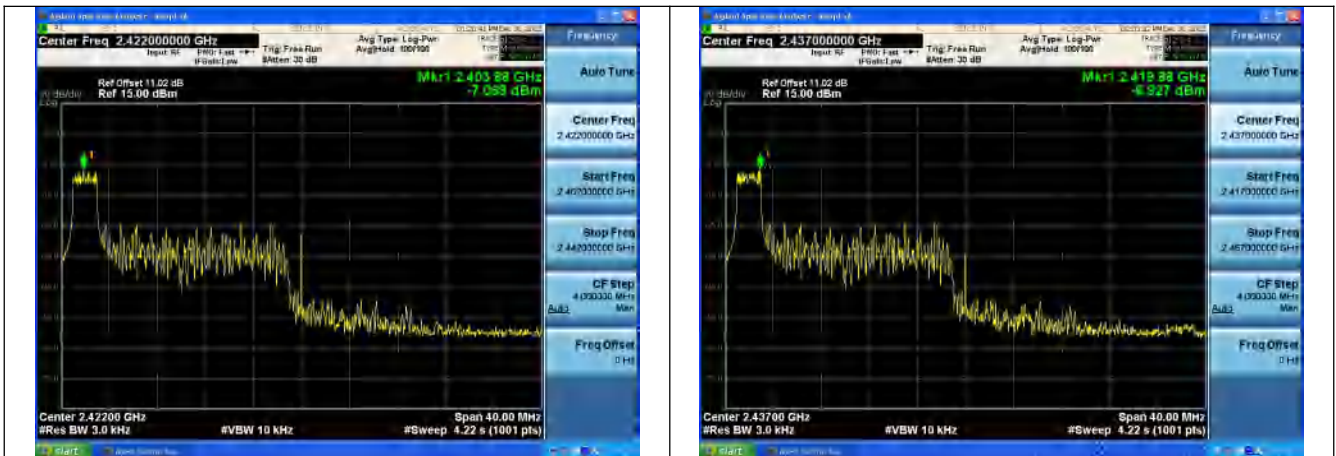
Test Mode:802.11n HT40 2452MHz Chain0



Test Mode:802.11n HT40 2437MHz Chain1

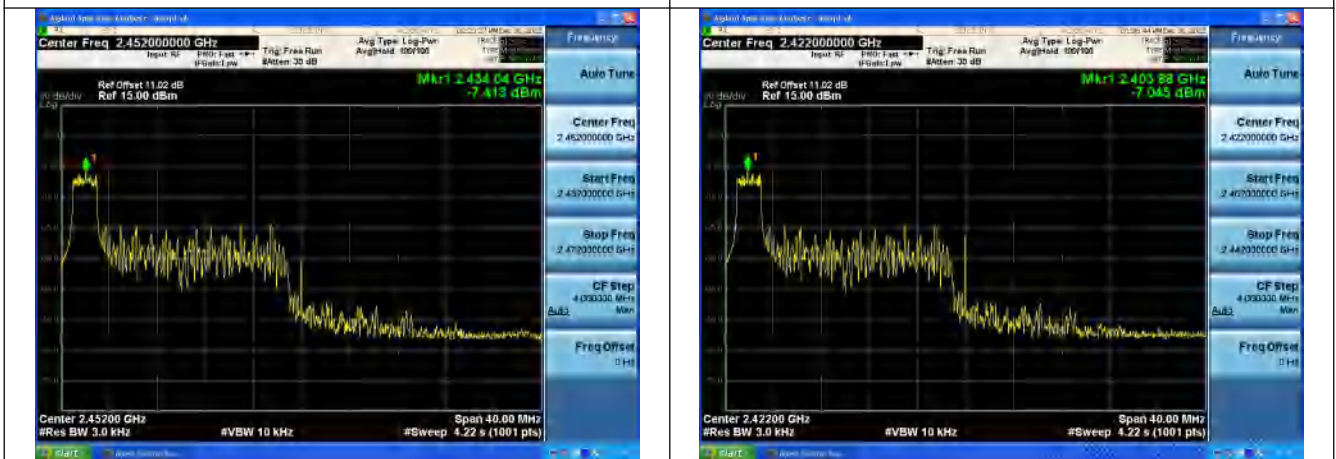
Test Mode:802.11n HT40 2452MHz Chain1

Test Mode: 802.11ax HE40



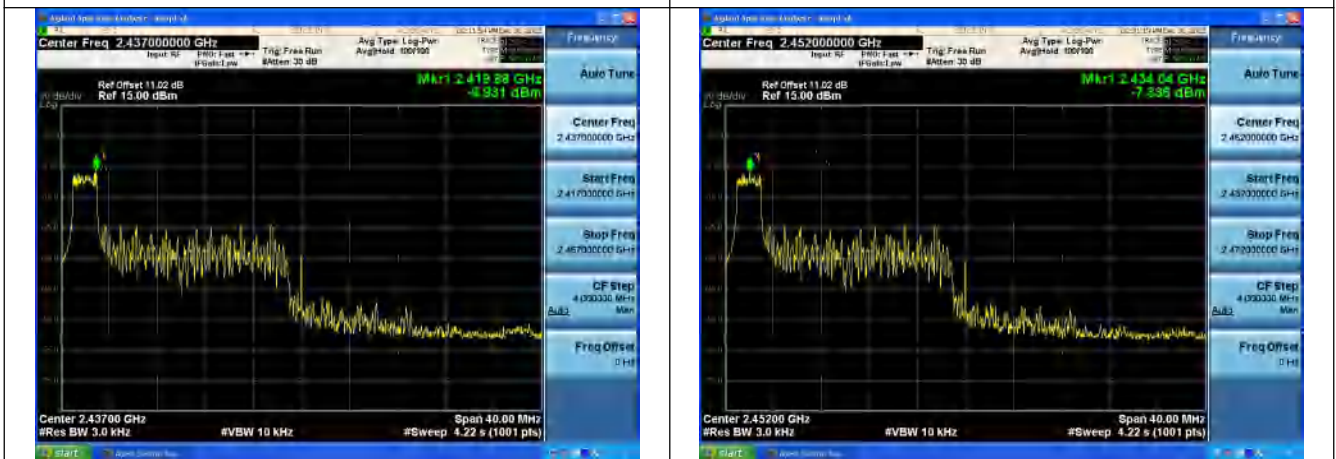
Test Mode:802.11ax HE40 2422MHz Chain0

Test Mode:802.11ax HE40 2437MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0

Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1

Test Mode:802.11ax HE40 2452MHz Chain1



Test Mode:802.11ax HE40 2422MHz Chain0



Test Mode:802.11ax HE40 2437MHz Chain0



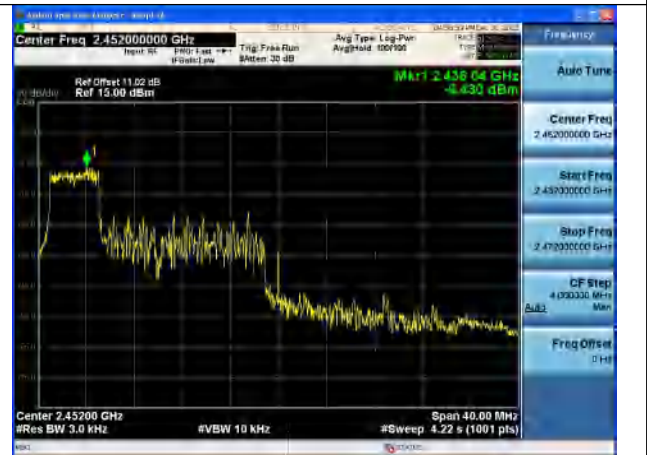
Test Mode:802.11ax HE40 2452MHz Chain0



Test Mode:802.11ax HE40 2422MHz Chain1



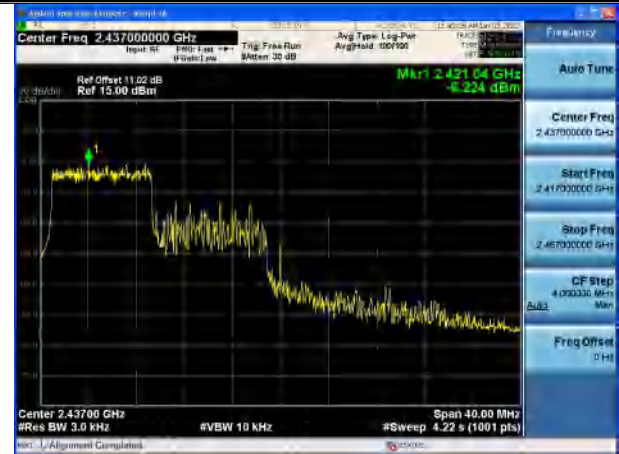
Test Mode:802.11ax HE40 2437MHz Chain1



Test Mode:802.11ax HE40 2452MHz Chain1



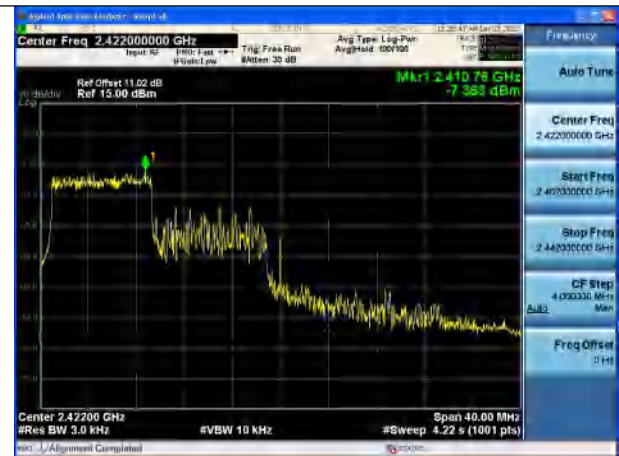
Test Mode:802.11ax HE40 2422MHz Chain0



Test Mode:802.11ax HE40 2437MHz Chain0



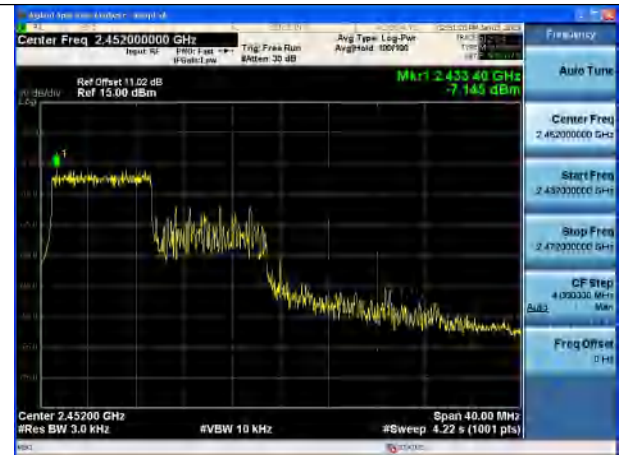
Test Mode:802.11ax HE40 2452MHz Chain0



Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1



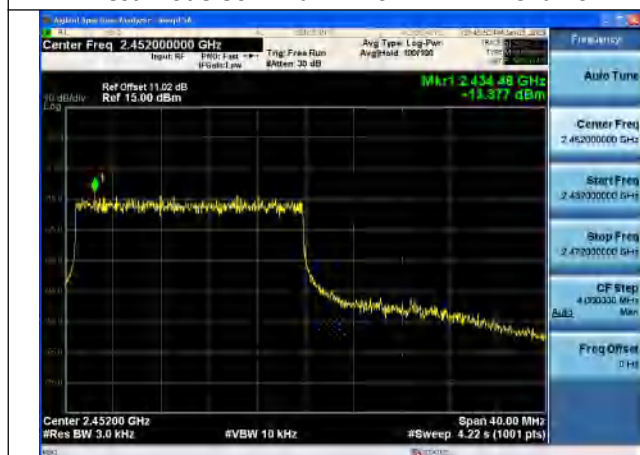
Test Mode:802.11ax HE40 2452MHz Chain1



Test Mode:802.11ax HE40 2422MHz Chain0



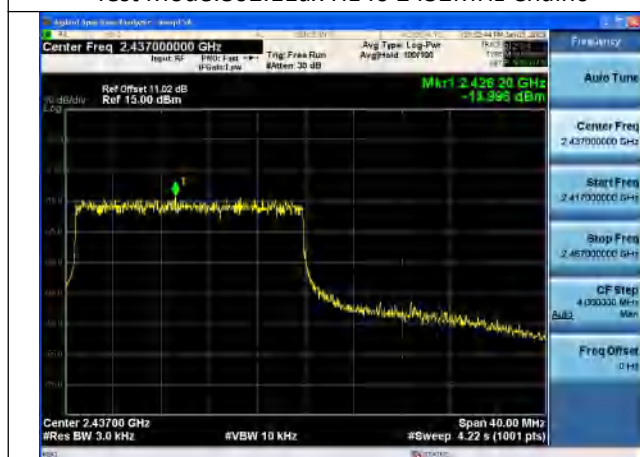
Test Mode:802.11ax HE40 2437MHz Chain0



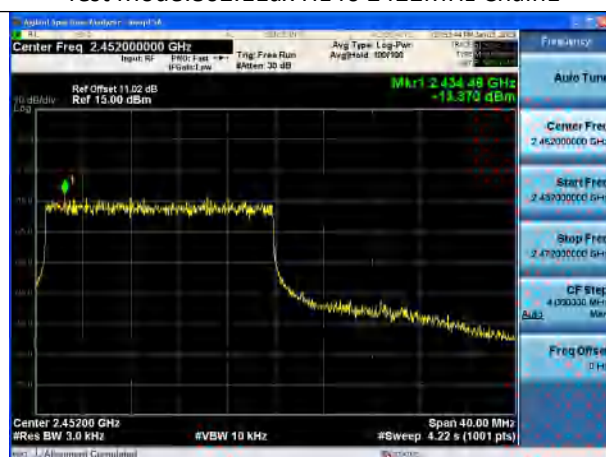
Test Mode:802.11ax HE40 2452MHz Chain0



Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1



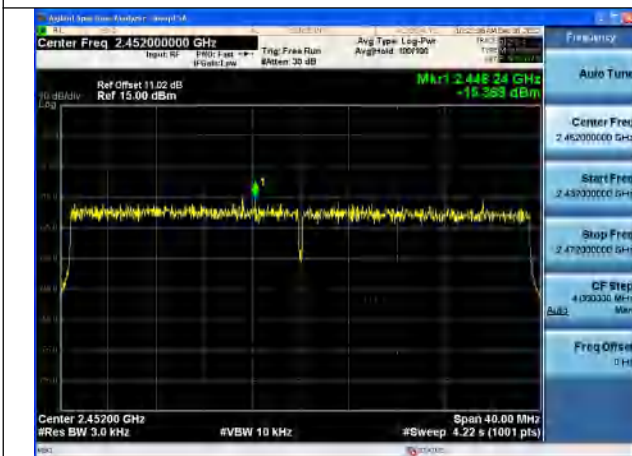
Test Mode:802.11ax HE40 2452MHz Chain1



Test Mode:802.11ax HE40 2422MHz Chain0



Test Mode:802.11ax HE40 2437MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0



Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1

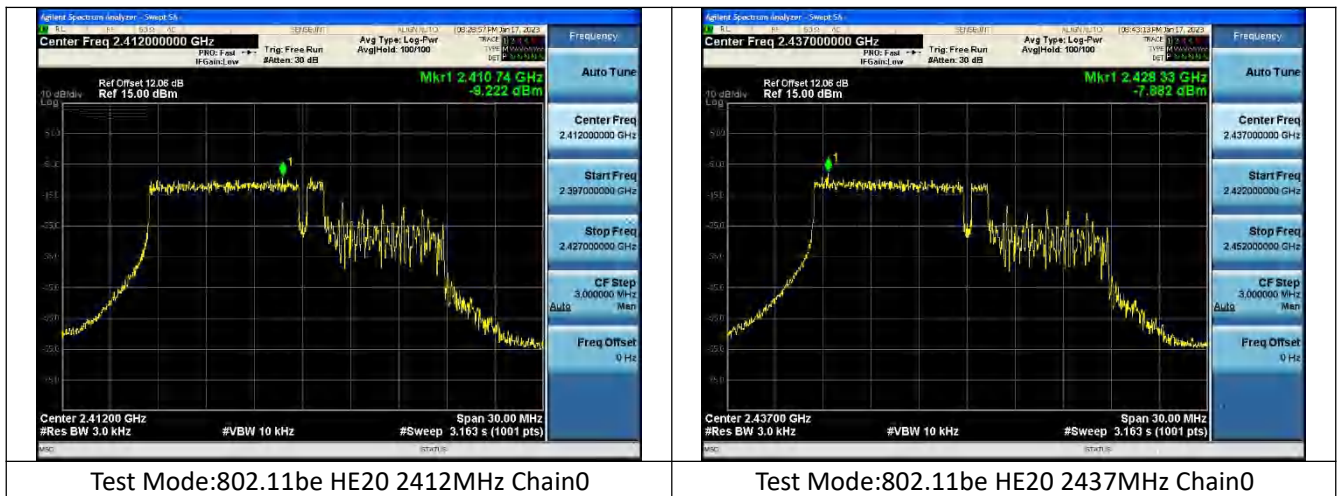


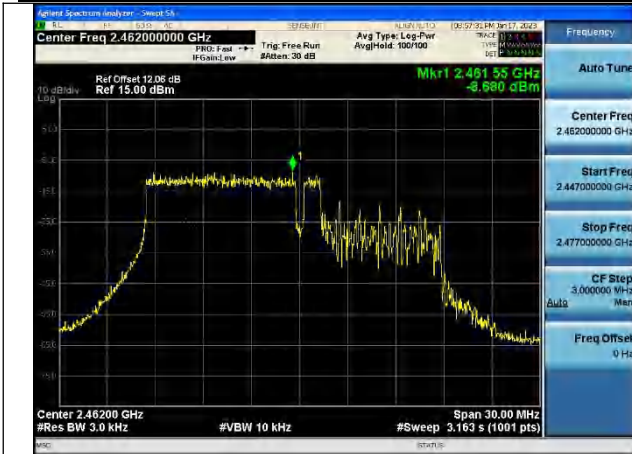
Test Mode:802.11ax HE40 2452MHz Chain1

Test Mode	Antenna	Tones	Power Density(dBm)		
			Channel No.1	Channel No.6	Channel No.11
			2412MHz	2437MHz	2462MHz
802.11be HE20	Chain0	26+106	-9.222	-7.882	-8.680
802.11be HE20	Chain1	26+106	-9.173	-7.890	-8.787
802.11be HE20	MIMO	26+106	-6.187	-4.876	-5.723
802.11be HE20	Chain0	26+52	-9.184	-9.168	-9.148
802.11be HE20	Chain1	26+52	-9.239	-9.177	-9.021
802.11be HE20	MIMO	26+52	-6.201	-6.162	-6.074

Test Mode	Antenna	Tones	Power Density(dBm)		
			Channel No.3	Channel No.6	Channel No.9
			2422MHz	2437MHz	2452MHz
802.11be HE40	Chain0	26+106	-7.480	-7.371	-7.705
802.11be HE40	Chain1	26+106	-8.478	-6.395	-7.638
802.11be HE40	MIMO	26+106	-4.940	-3.845	-4.661
802.11be HE40	Chain0	26+52	-8.859	-8.152	-9.011
802.11be HE40	Chain1	26+52	-8.871	-8.551	-9.123
802.11be HE40	MIMO	26+52	-5.855	-5.337	-6.056

Test Mode: 802.11be HE20

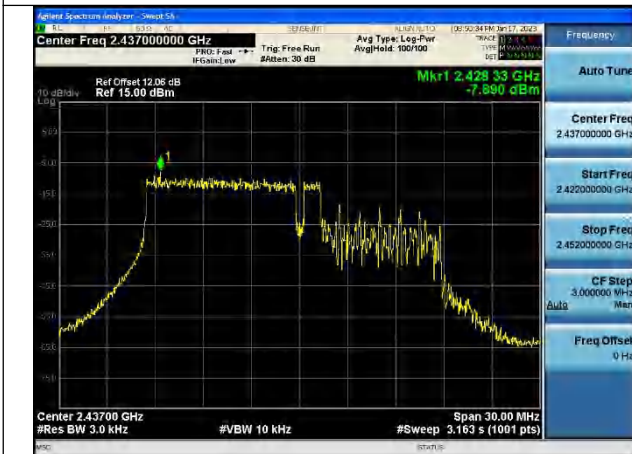




Test Mode:802.11be HE20 2462MHz Chain0



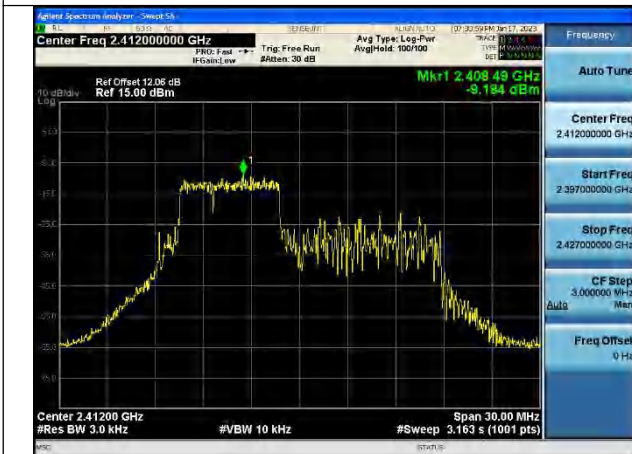
Test Mode:802.11be HE20 2412MHz Chain1



Test Mode:802.11be HE20 2437MHz Chain1



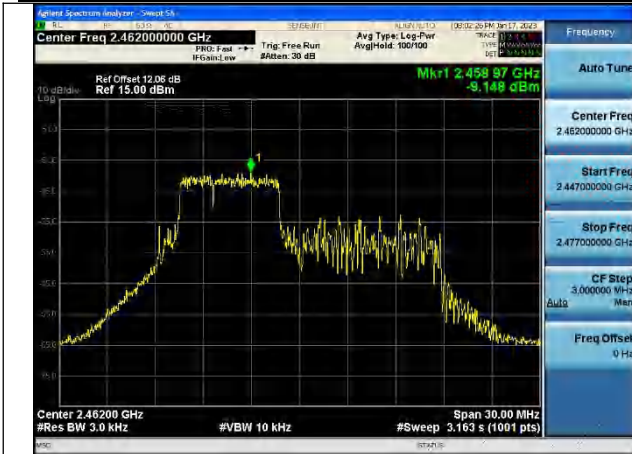
Test Mode:802.11be HE20 2462MHz Chain1



Test Mode:802.11be HE20 2412MHz Chain0



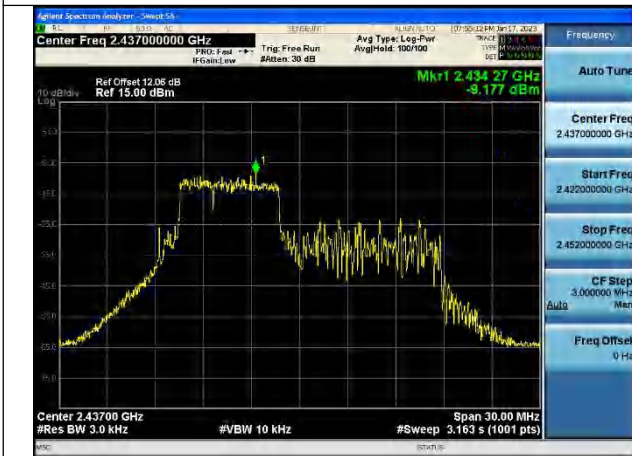
Test Mode:802.11be HE20 2437MHz Chain0



Test Mode:802.11be HE20 2462MHz Chain0



Test Mode:802.11be HE20 2412MHz Chain1

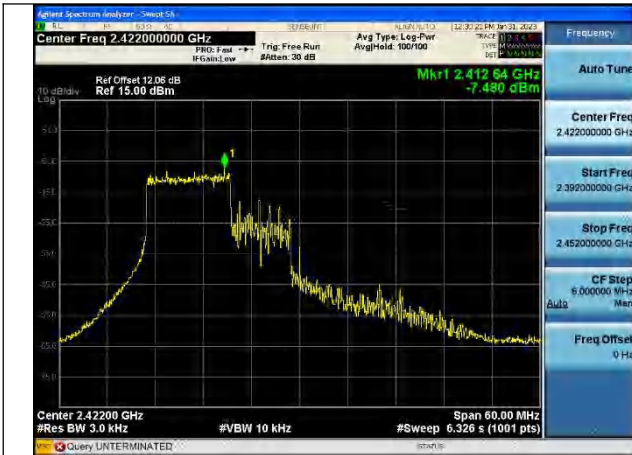


Test Mode:802.11be HE20 2437MHz Chain1



Test Mode:802.11be HE20 2462MHz Chain1

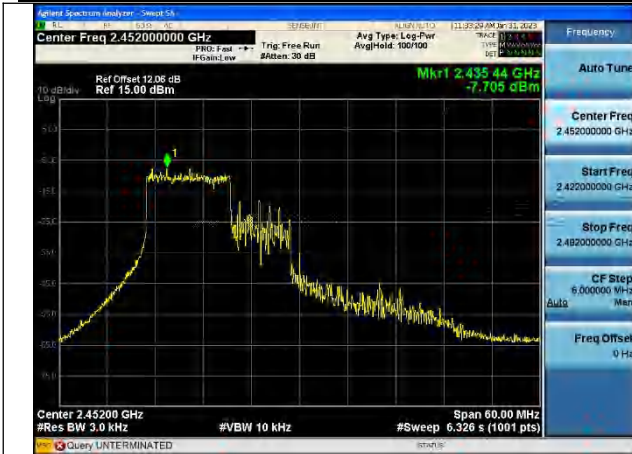
Test Mode: 802.11be HE40



Test Mode:802.11be HE40 2422MHz Chain0



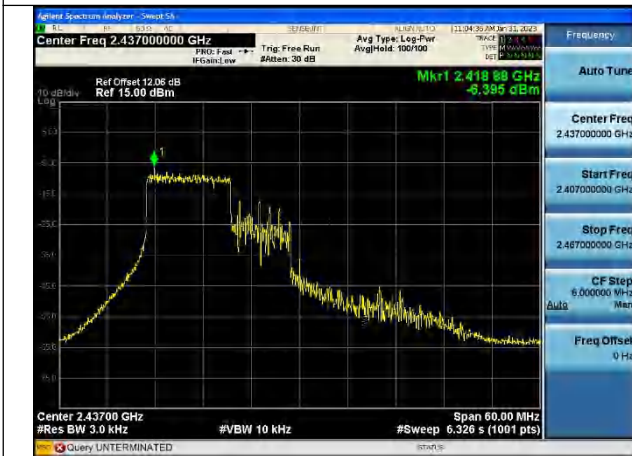
Test Mode:802.11be HE40 2437MHz Chain0



Test Mode:802.11be HE40 2452MHz Chain0



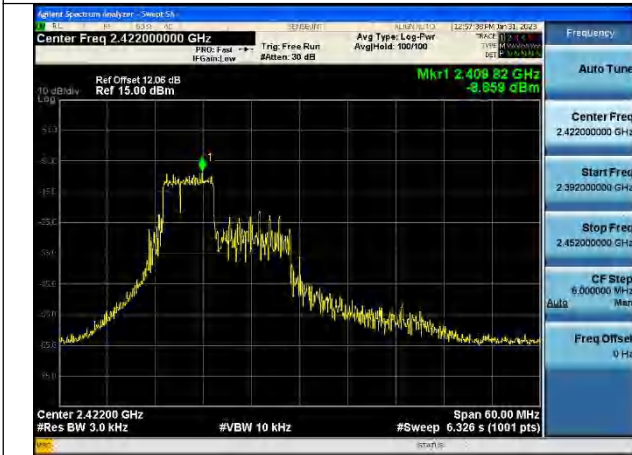
Test Mode:802.11be HE40 2422MHz Chain1



Test Mode:802.11be HE40 2437MHz Chain1



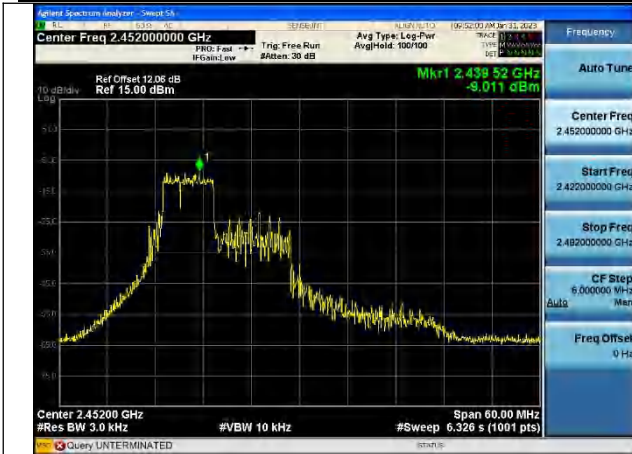
Test Mode:802.11be HE40 2452MHz Chain1



Test Mode:802.11be HE40 2422MHz Chain0



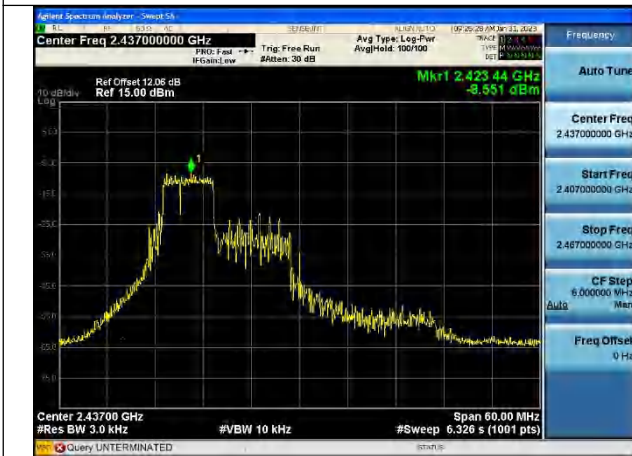
Test Mode:802.11be HE40 2437MHz Chain0



Test Mode:802.11be HE40 2452MHz Chain0



Test Mode:802.11be HE40 2422MHz Chain1



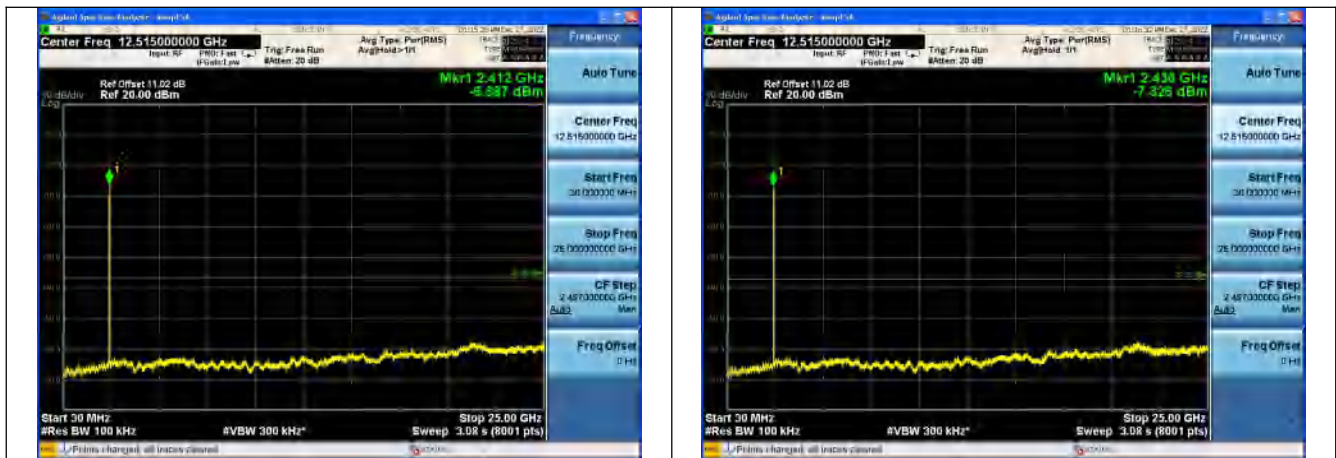
Test Mode:802.11be HE40 2437MHz Chain1



Test Mode:802.11be HE40 2452MHz Chain1

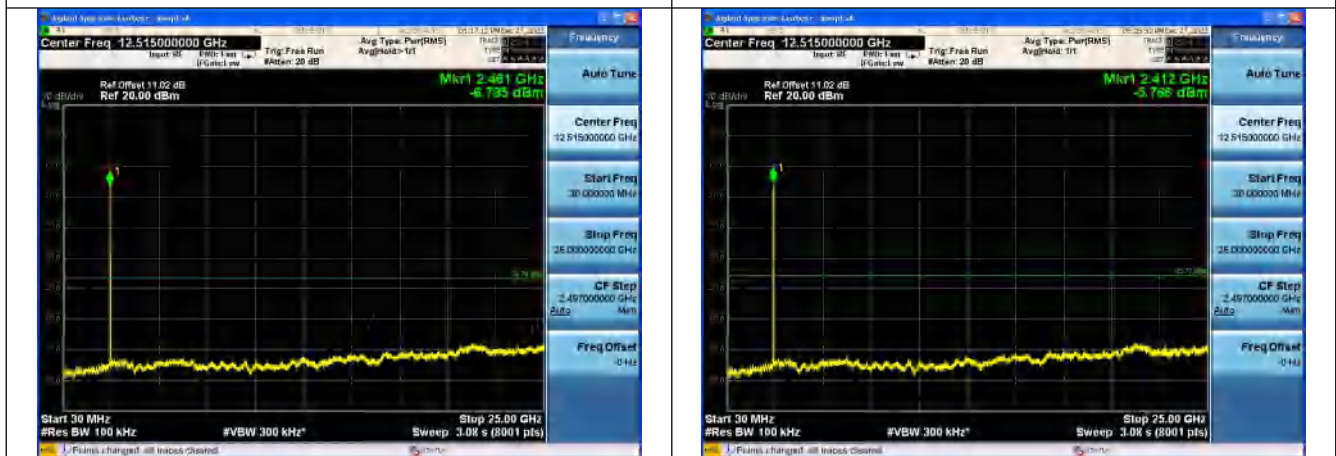
Conducted Out of band emission measurement

Test Mode: 802.11b



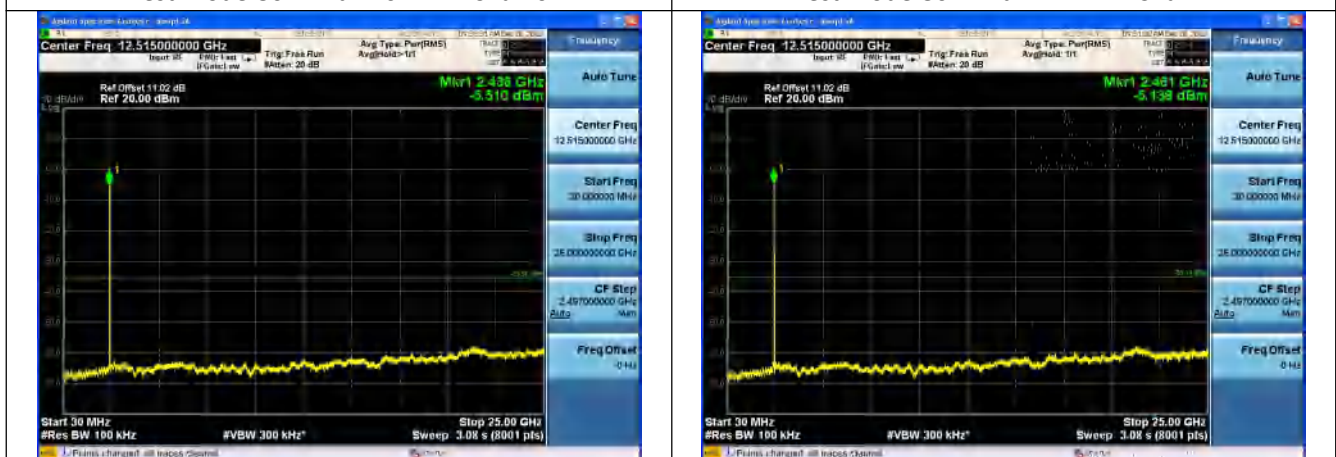
Test Mode:802.11b 2412MHz Chain0

Test Mode:802.11b 2437MHz Chain0



Test Mode:802.11b 2462MHz Chain0

Test Mode:802.11b 2412MHz Chain1



Test Mode:802.11b 2437MHz Chain1

Test Mode:802.11b 2462MHz Chain1

Test Mode: 802.11g



Test Mode:802.11g 2412MHz Chain0



Test Mode:802.11g 2437MHz Chain0



Test Mode:802.11g 2462MHz Chain0



Test Mode:802.11g 2412MHz Chain1



Test Mode:802.11g 2437MHz Chain1



Test Mode:802.11g 2462MHz Chain1

Test Mode: 802.11n HT20



Test Mode:802.11n HT20 2412MHz Chain0



Test Mode:802.11n HT20 2437MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0



Test Mode:802.11n HT20 2412MHz Chain1



Test Mode:802.11n HT20 2437MHz Chain1



Test Mode:802.11n HT20 2462MHz Chain1

Test Mode: 802.11ax HE20



Test Mode:802.11ax HE20 2412MHz Chain0



Test Mode:802.11ax HE20 2437MHz Chain0



Test Mode:802.11ax HE20 2462MHz Chain0



Test Mode:802.11ax HE20 2412MHz Chain1



Test Mode:802.11ax HE20 2437MHz Chain1

Test Mode:802.11ax HE20 2462MHz Chain1

Test Mode: 802.11ax HE40



Test Mode:802.11ax HE40 2422MHz Chain0

Test Mode:802.11ax HE40 2437MHz Chain0



Test Mode:802.11ax HE40 2452MHz Chain0

Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2437MHz Chain1

Test Mode:802.11ax HE40 2452MHz Chain1

Test Mode: 802.11n HT40



Test Mode: 802.11n HT40 2422MHz Chain0

Test Mode: 802.11n HT40 2437MHz Chain0



Test Mode: 802.11n HT40 2452MHz Chain0

Test Mode: 802.11n HT40 2422MHz Chain1



Test Mode: 802.11n HT40 2437MHz Chain1

Test Mode: 802.11n HT40 2452MHz Chain1

Test Mode: 802.11be



Test Mode:802.11be 2412MHz Chain0

Test Mode:802.11be 2437MHz Chain0



Test Mode:802.11be 2462MHz Chain0

Test Mode:802.11be 2412MHz Chain1



Test Mode:802.11be 2437MHz Chain1

Test Mode:802.11be 2462MHz Chain1

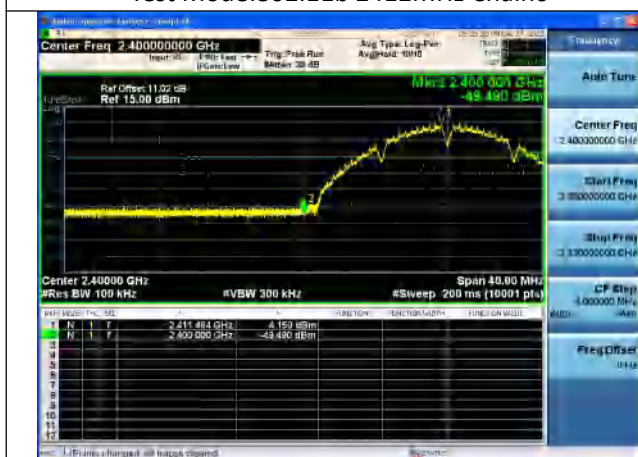
Band edge measurement

Test Mode: 802.11b



Test Mode:802.11b 2412MHz Chain0

Test Mode:802.11b 2462MHz Chain0



Test Mode:802.11b 2412MHz Chain1

Test Mode:802.11b 2462MHz Chain1

Test Mode: 802.11g



Test Mode:802.11g 2412MHz Chain0

Test Mode:802.11g 2462MHz Chain0



Test Mode:802.11g 2412MHz Chain1



Test Mode:802.11g 2462MHz Chain1

Test Mode: 802.11n HT20



Test Mode:802.11n HT20 2412MHz Chain0



Test Mode:802.11n HT20 2462MHz Chain0

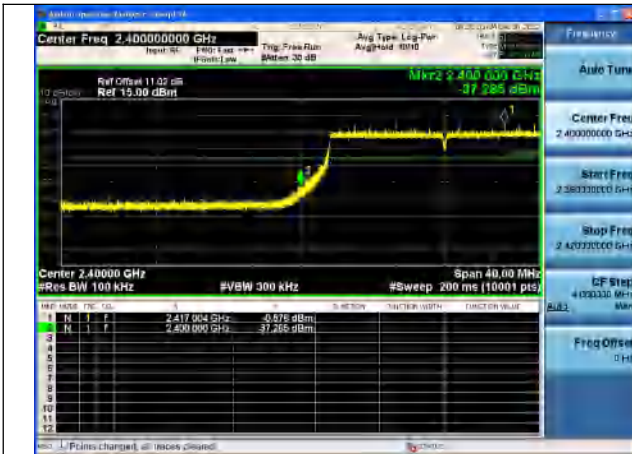


Test Mode:802.11n HT20 2412MHz Chain1

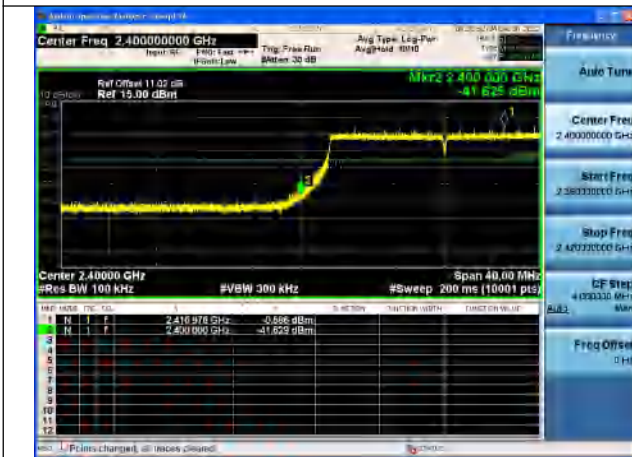


Test Mode:802.11n HT20 2462MHz Chain1

Test Mode: 802.11ax HE20



Test Mode:802.11ax HE20 2412MHz Chain0



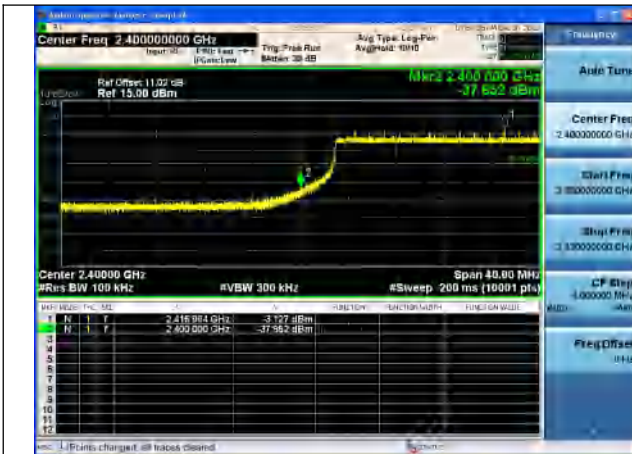
Test Mode:802.11ax HE20 2462MHz Chain0



Test Mode:802.11ax HE20 2412MHz Chain1

Test Mode:802.11ax HE20 2462MHz Chain1

Test Mode: 802.11ax HE40



Test Mode:802.11ax HE40 2422MHz Chain0

Test Mode:802.11ax HE40 2452MHz Chain0

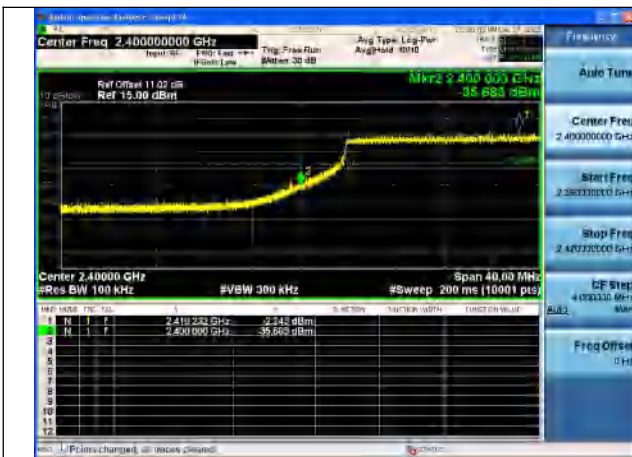


Test Mode:802.11ax HE40 2422MHz Chain1



Test Mode:802.11ax HE40 2452MHz Chain1

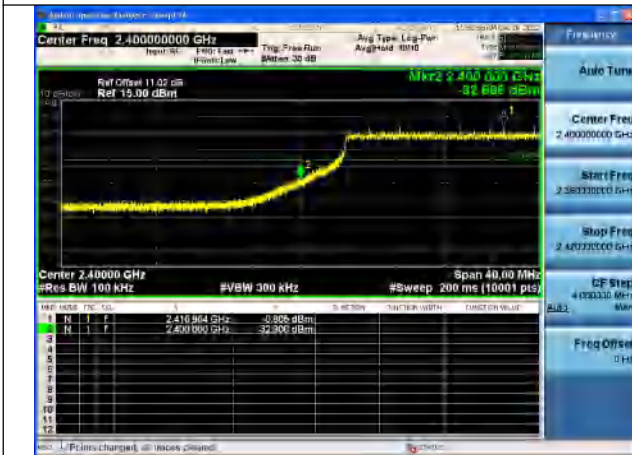
Test Mode: 802.11n HT40



Test Mode:802.11n HT40 2422MHz Chain0



Test Mode:802.11n HT40 2452MHz Chain0

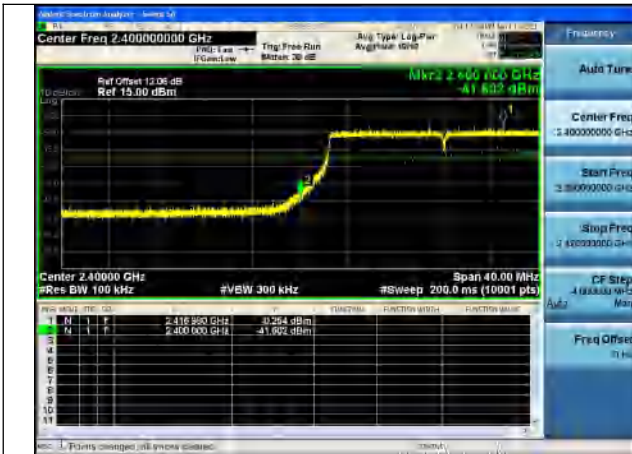


Test Mode:802.11n HT40 2422MHz Chain1



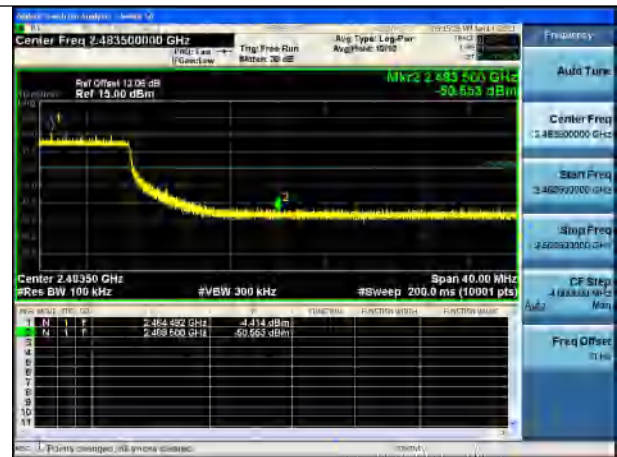
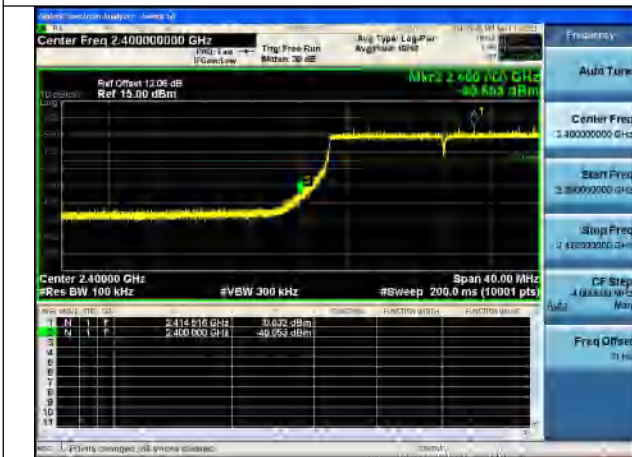
Test Mode:802.11n HT40 2452MHz Chain1

Test Mode: 802.11be



Test Mode:802.11be 2412MHz Chain0

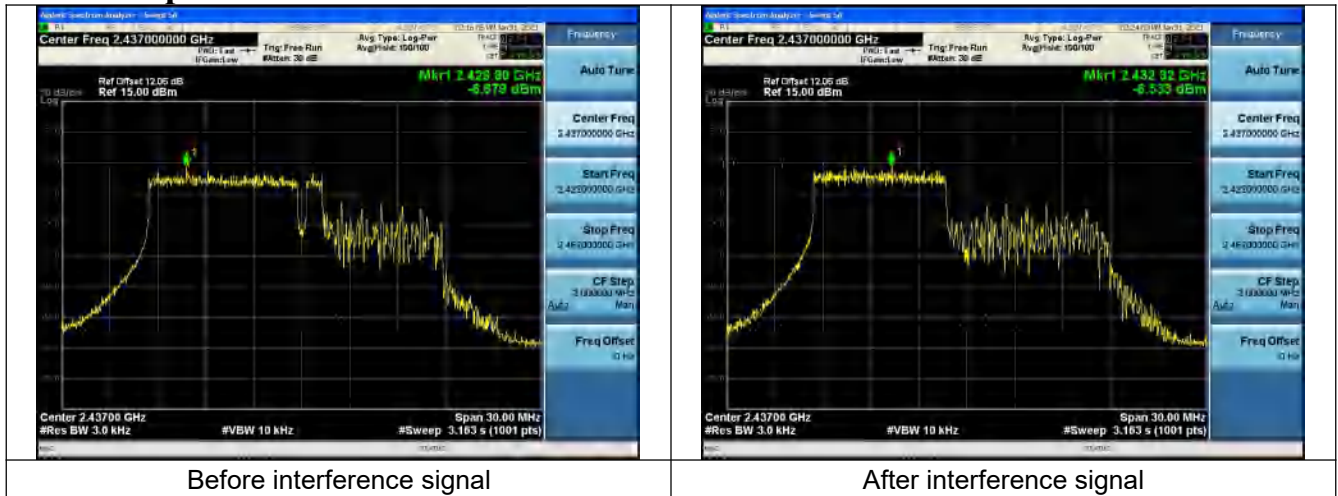
Test Mode:802.11be 2462MHz Chain0



Test Mode:802.11be 2412MHz Chain1

Test Mode:802.11be 2462MHz Chain1

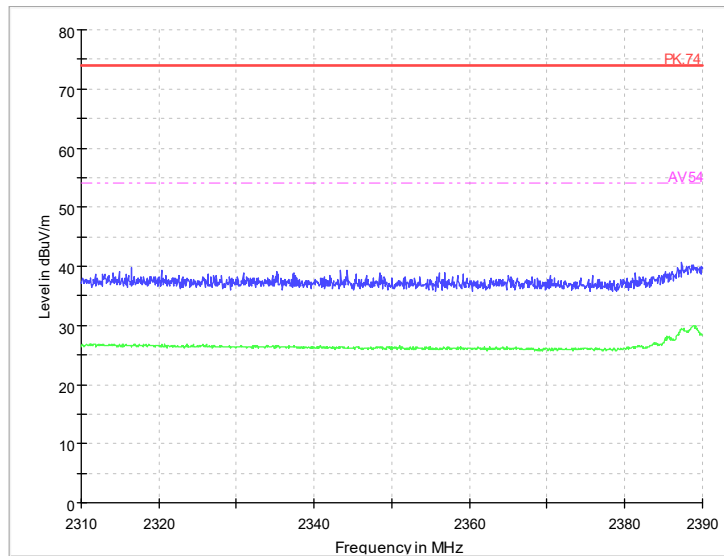
Channel puncture



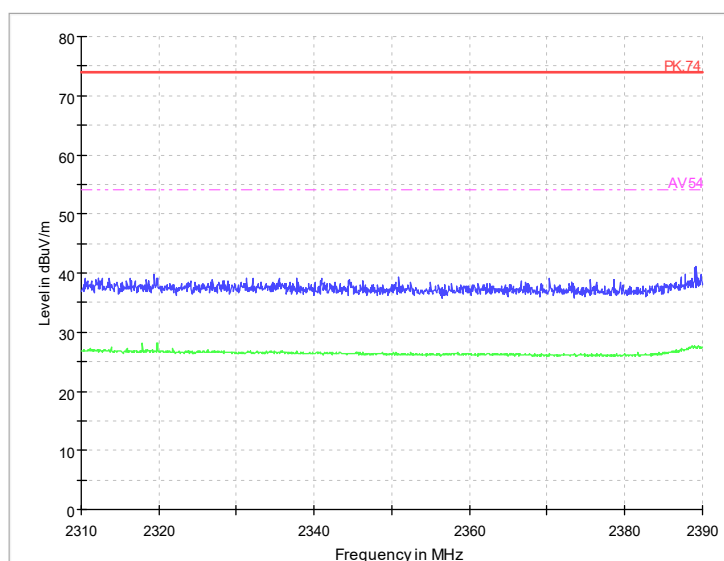
APPENDIX B – TEST DATA OF RADIATED EMISSION

After comparison, the worst case attitude is EUT lay down and tx-antenna vertical. 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.

Band Edge ANT1

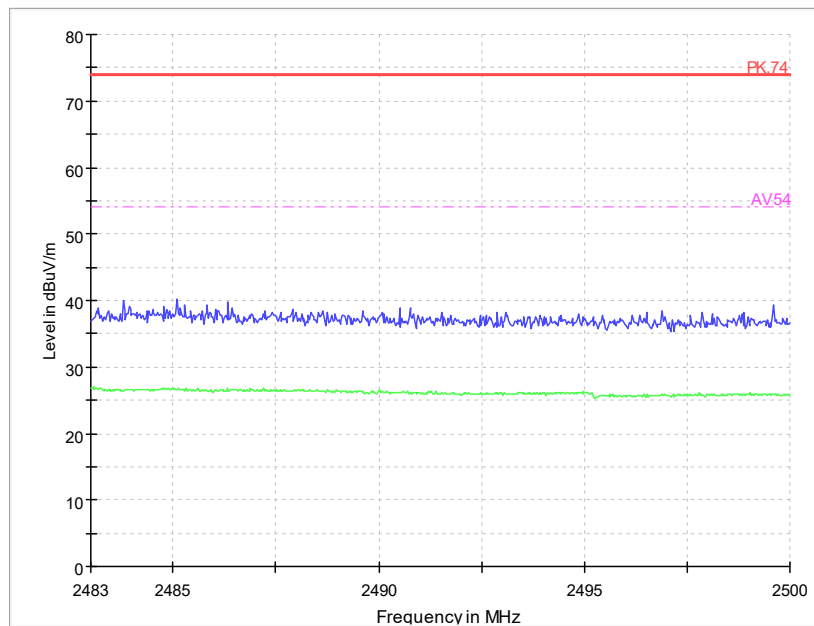


Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization: V

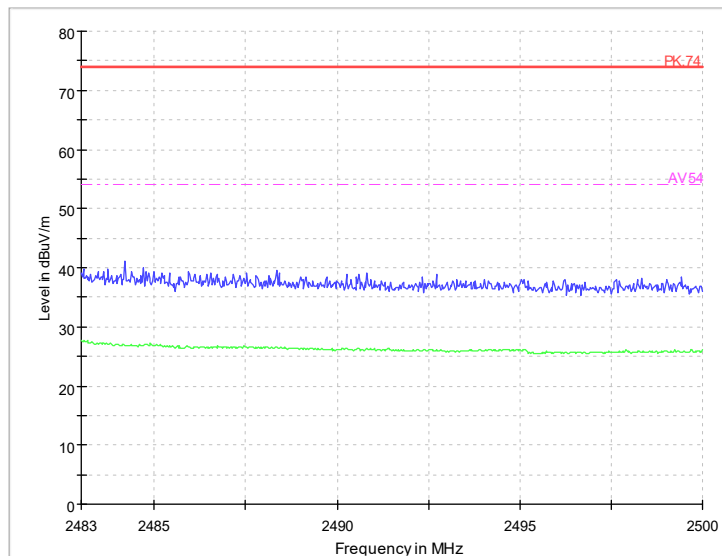


Radiated Emission Band Edge
Channel No.:1

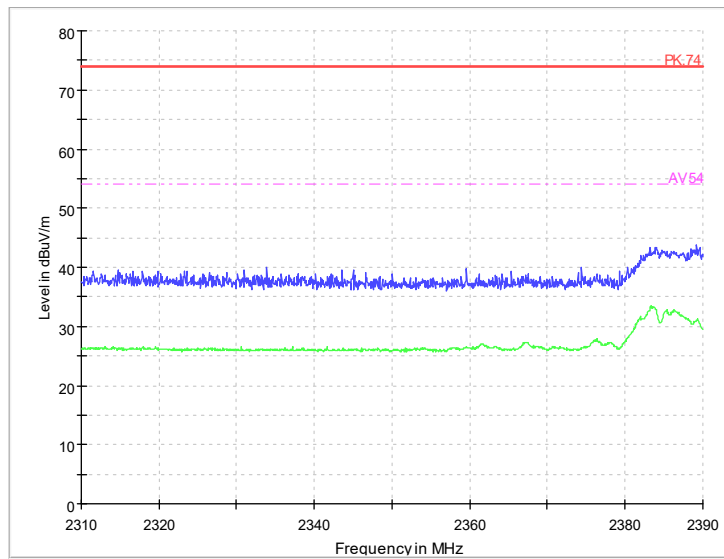
Test Mode: 802.11b
Polarization: H



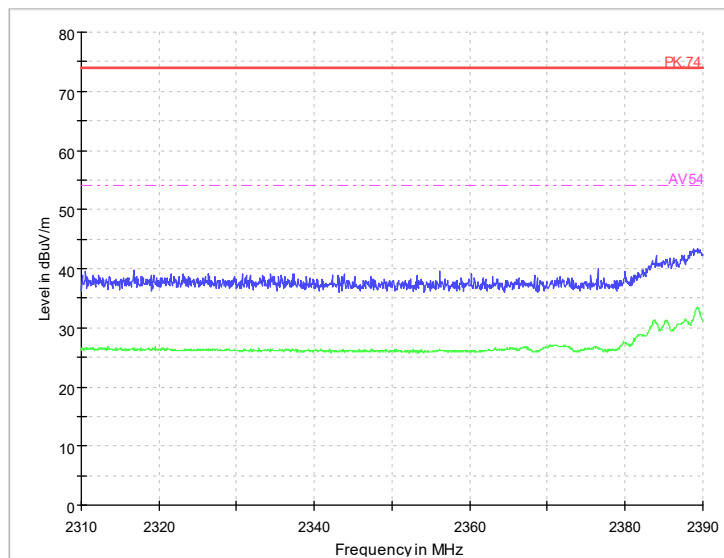
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization: V



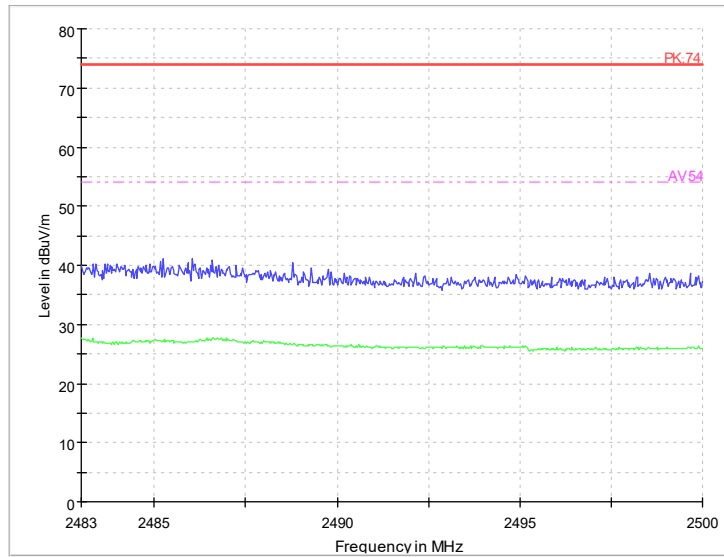
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization: H



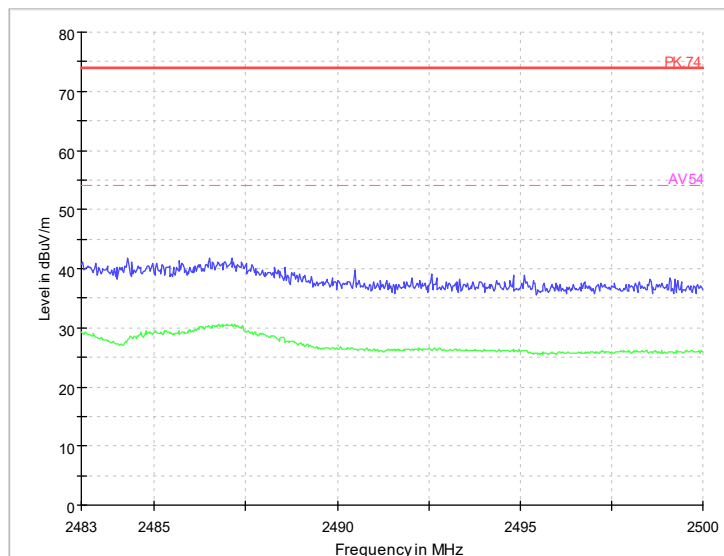
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization: V



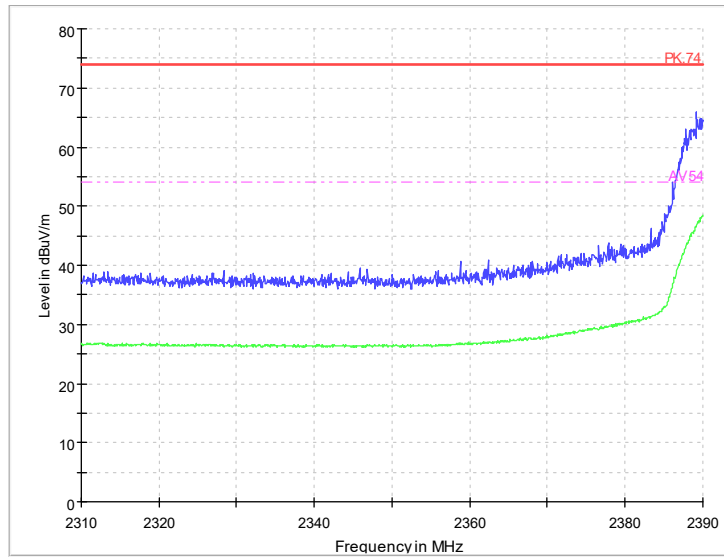
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization: H



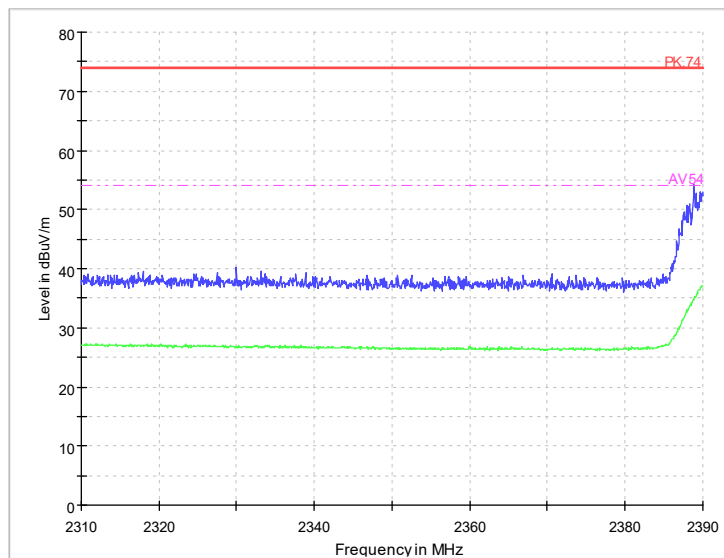
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization: V



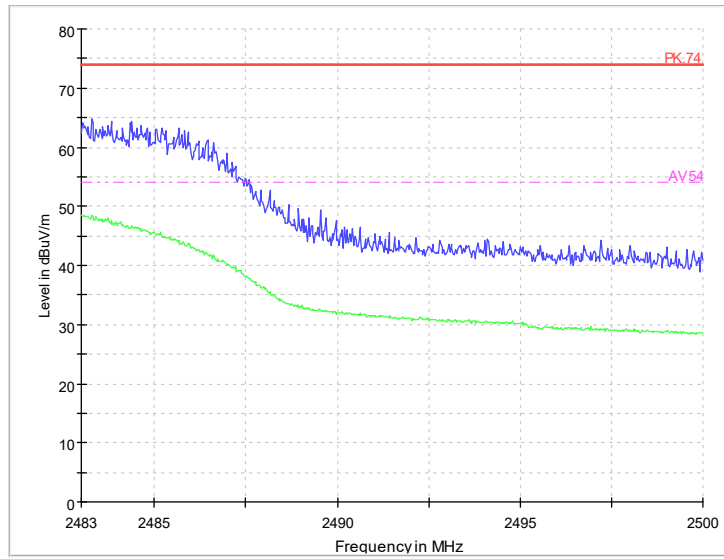
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization: H



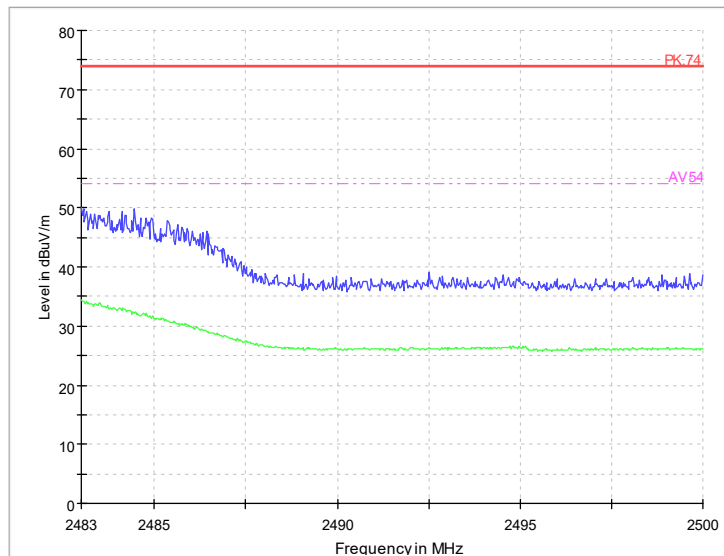
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n
Polarization: V



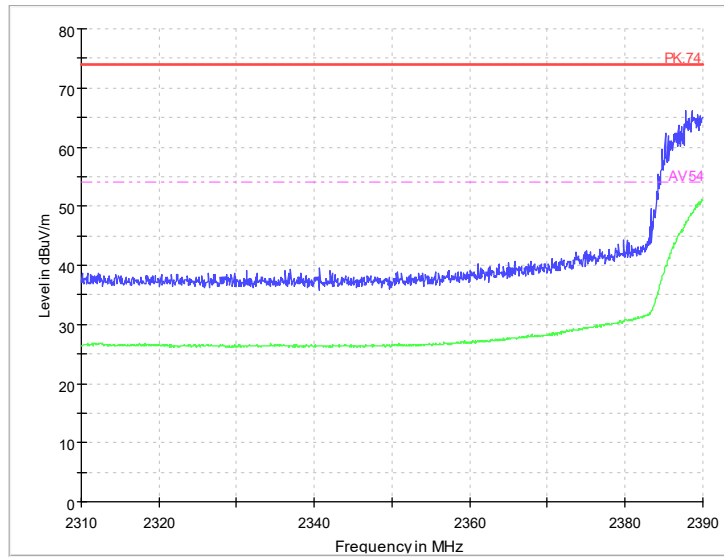
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n
Polarization: H



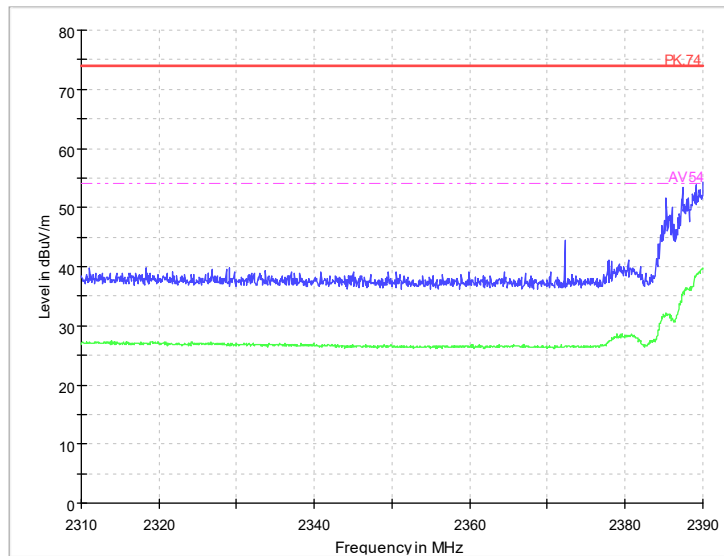
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n
Polarization: V



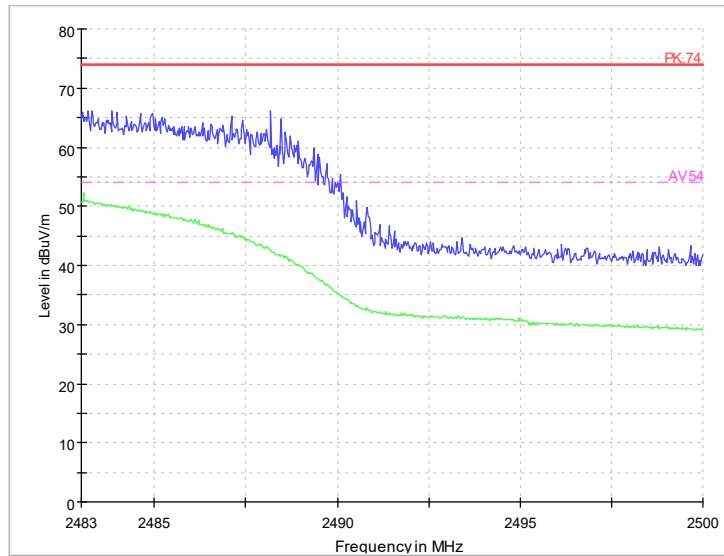
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n
Polarization: H



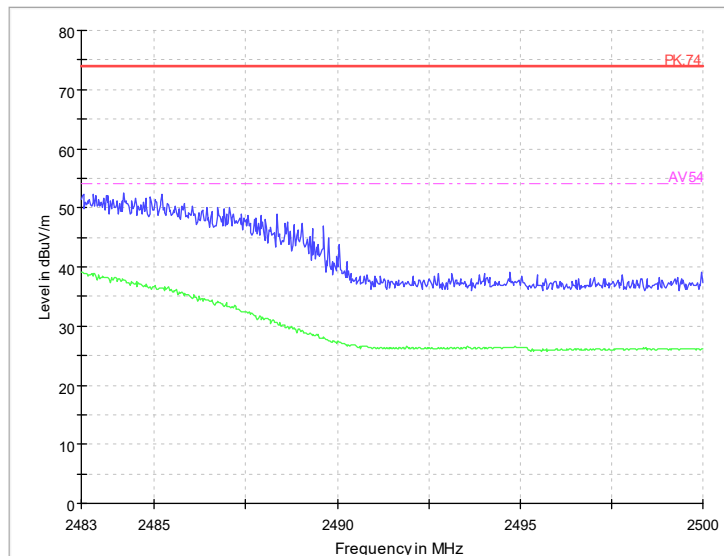
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax
Polarization: V



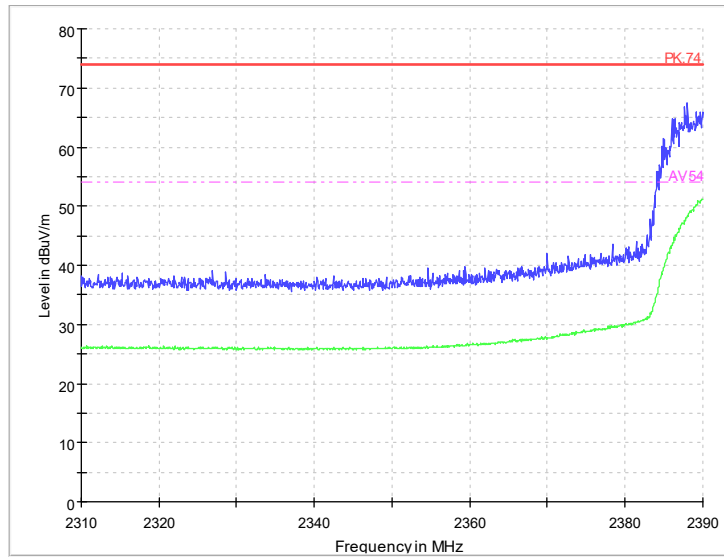
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax
Polarization: H



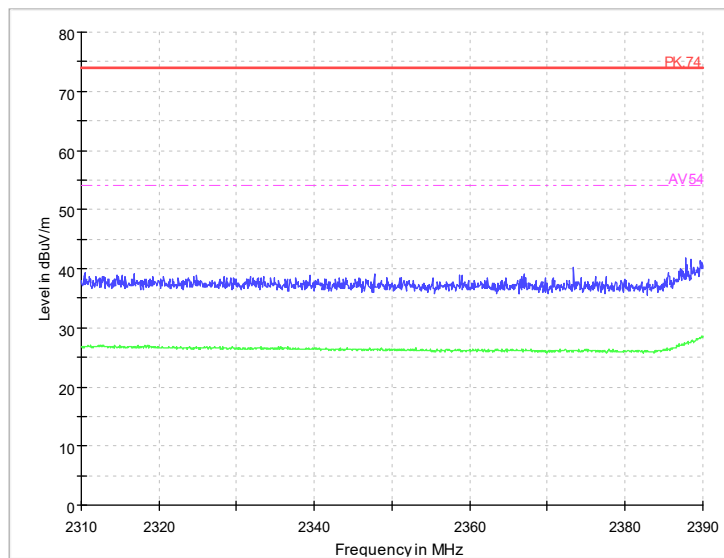
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax
Polarization: V



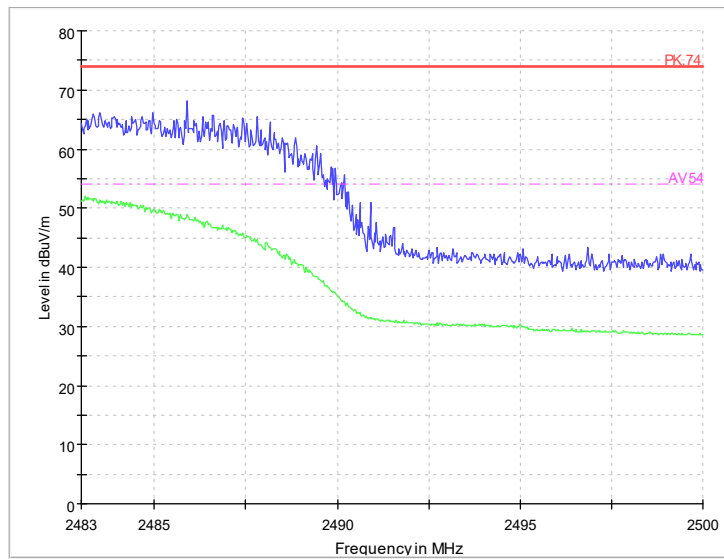
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax
Polarization: H



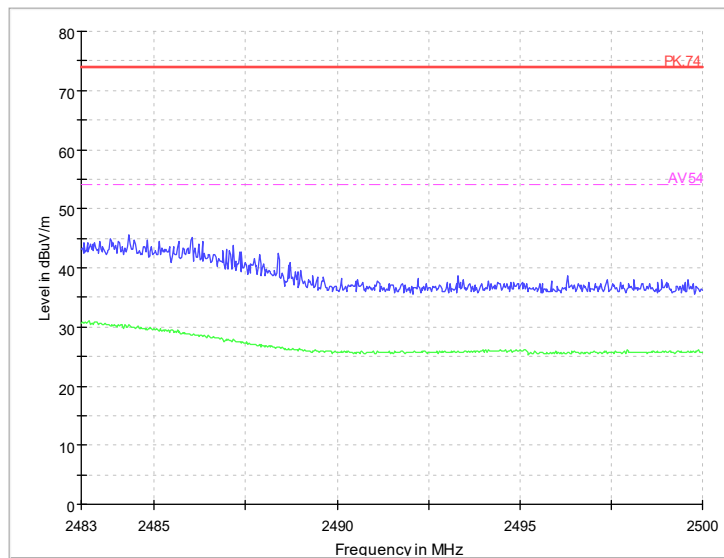
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11 be
Polarization: V



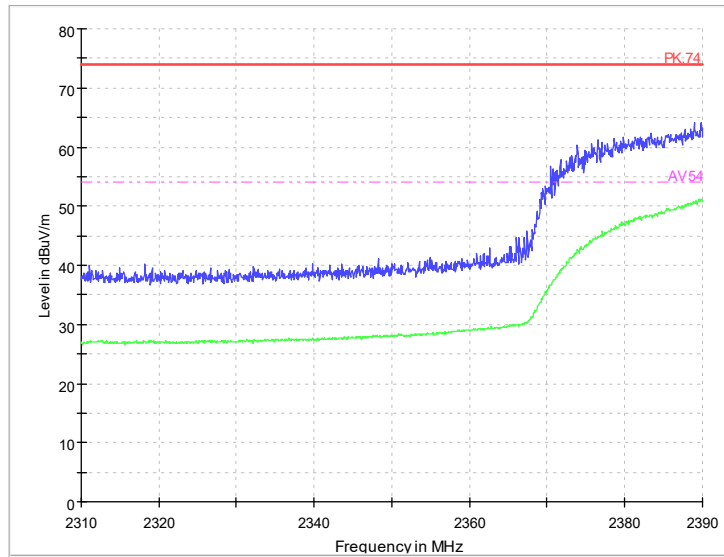
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11 be
Polarization: H



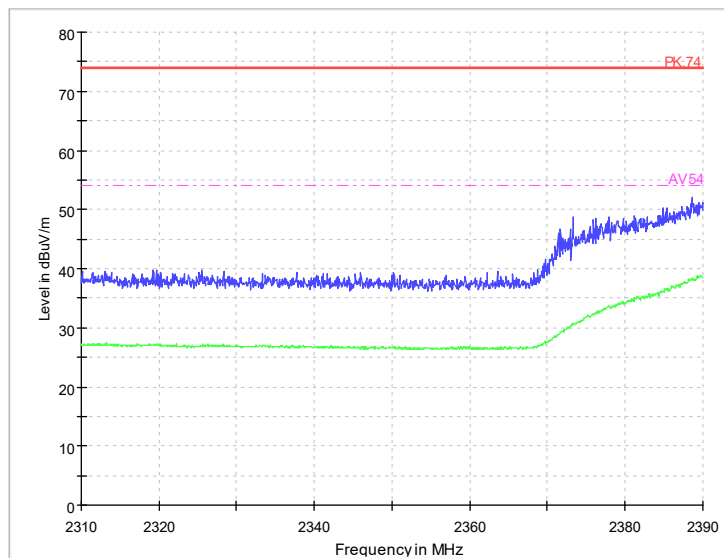
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11be
Polarization: V



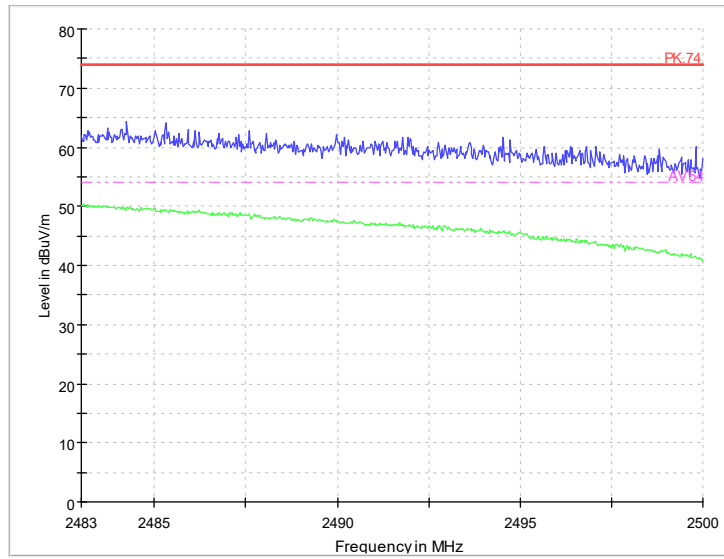
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11 be
Polarization: H



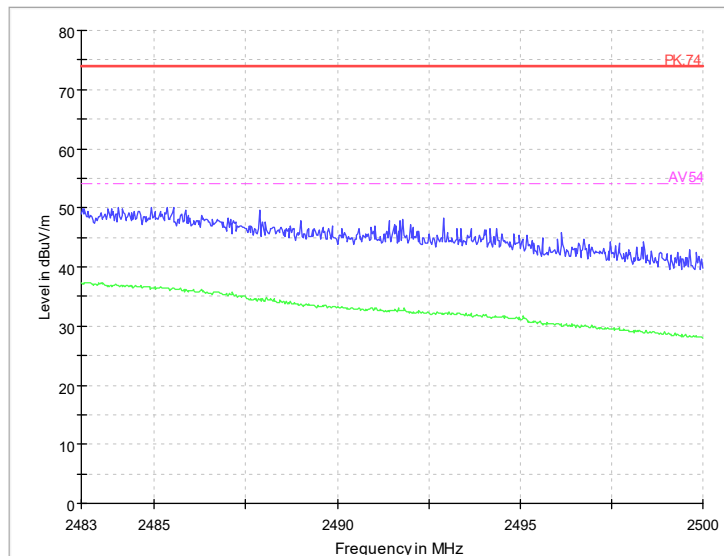
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n40
Polarization: V



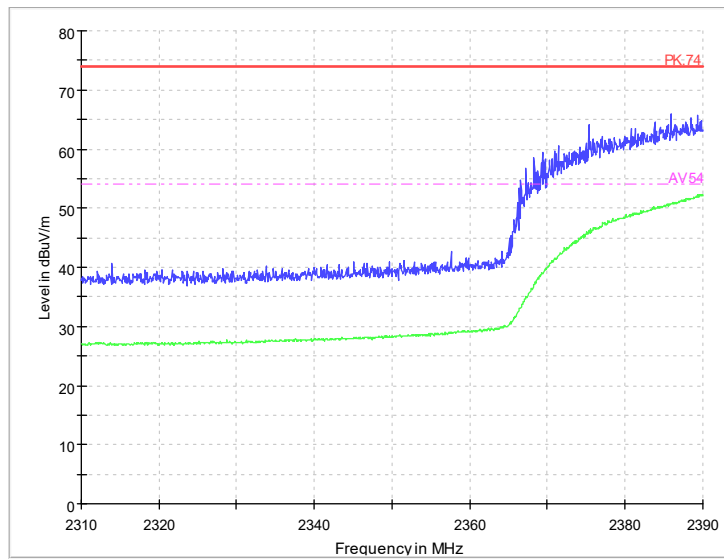
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n40
Polarization: H



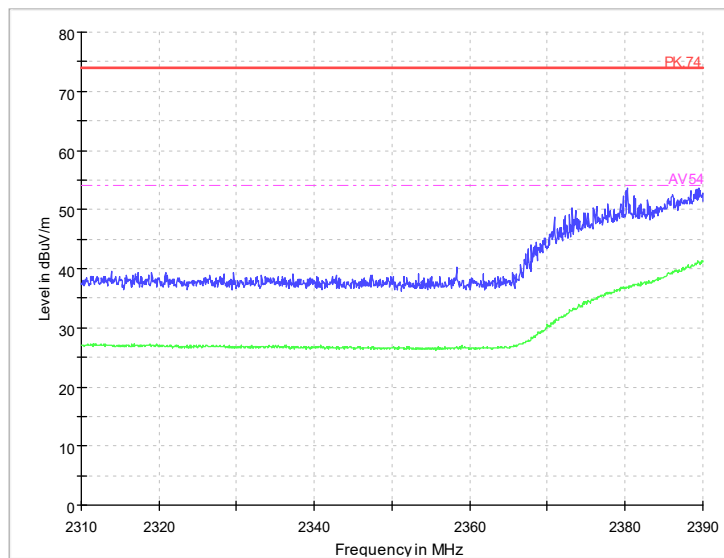
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n40
Polarization: V



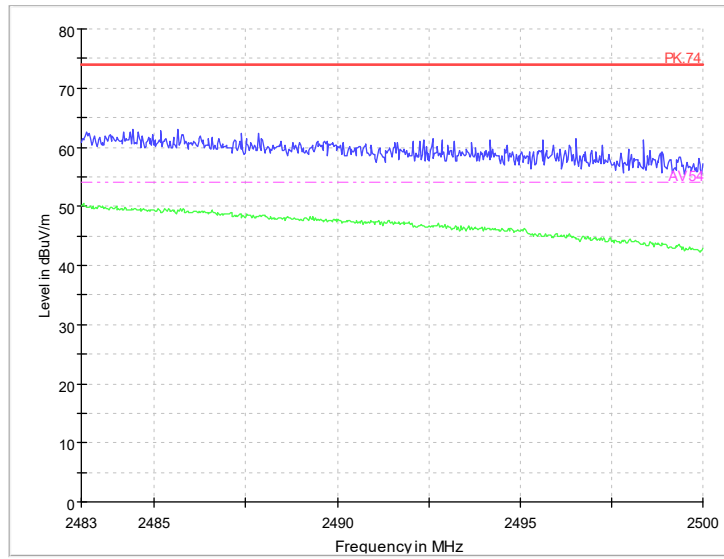
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n40
Polarization: H



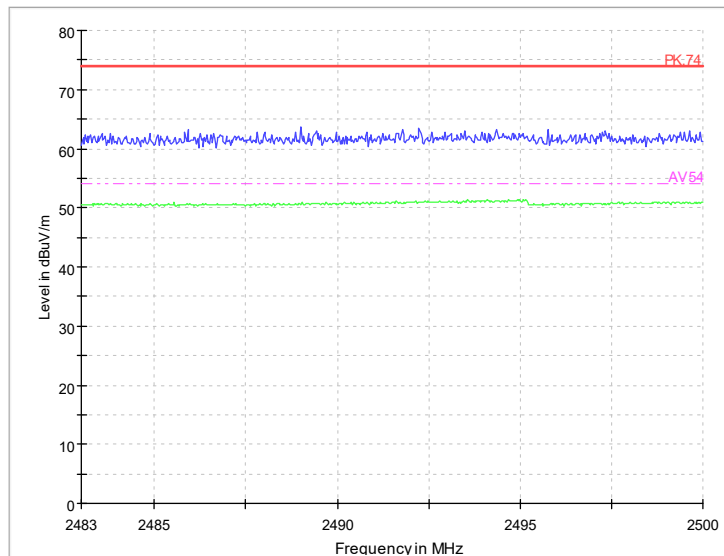
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11ax40
Polarization: V



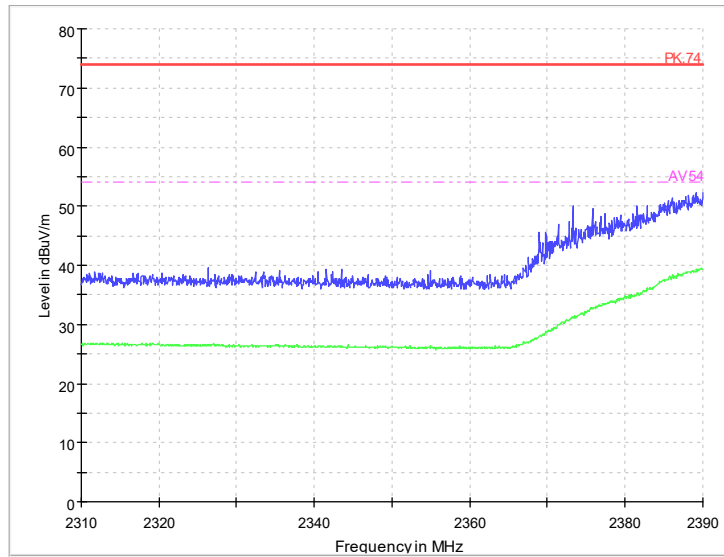
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11ax40
Polarization: H



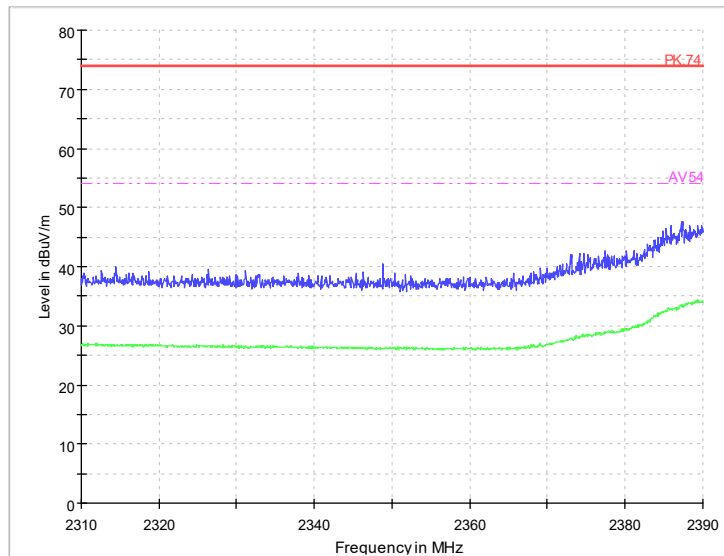
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11ax40
Polarization: V



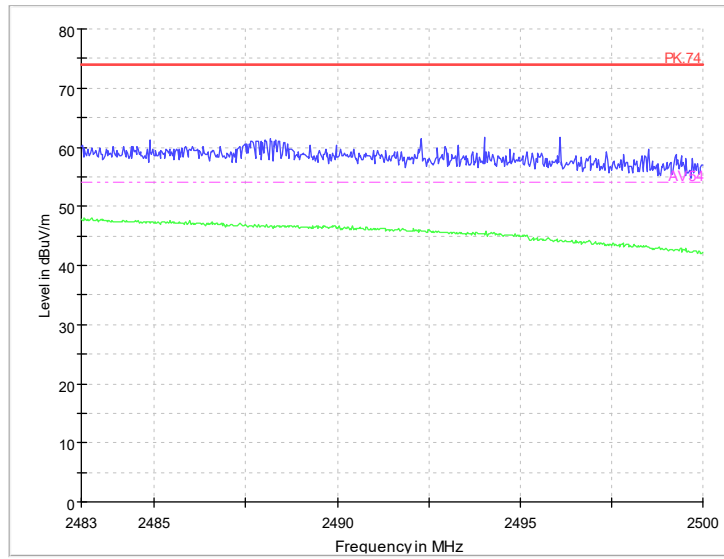
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11ax40
Polarization: H



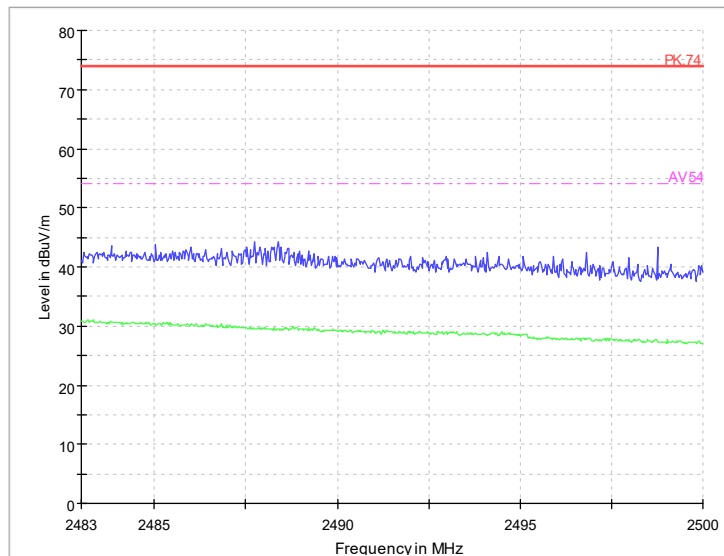
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11 be40
Polarization: V



Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11 be40
Polarization: H

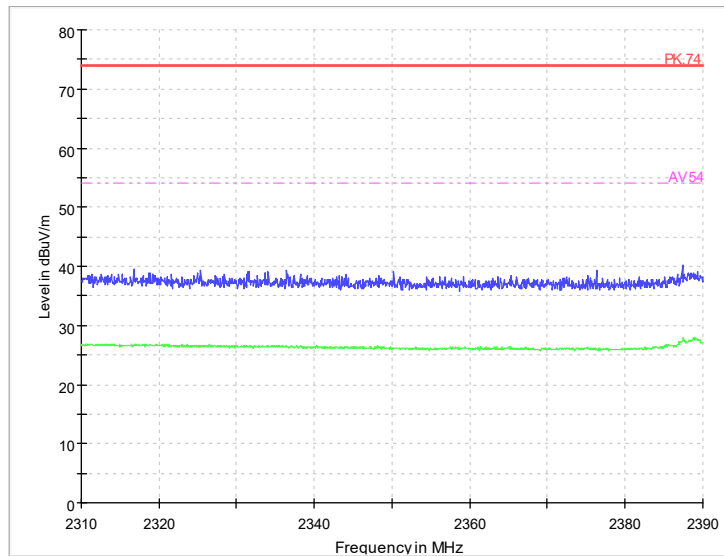


Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11 be 40
Polarization: V

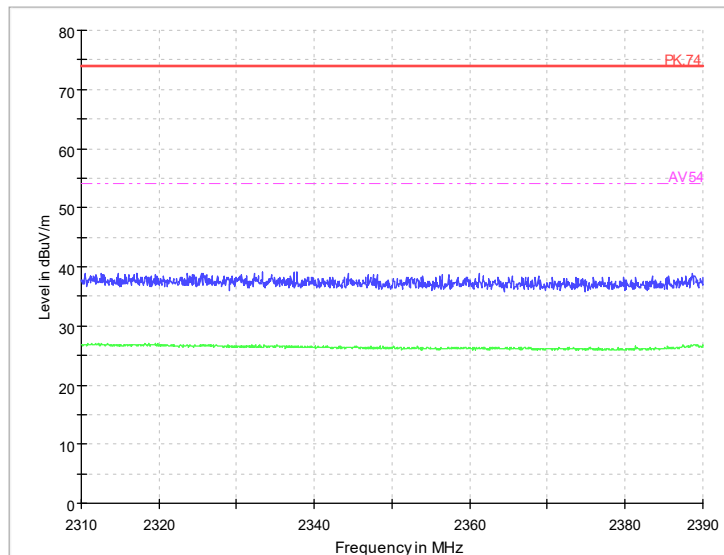


Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11be40
Polarization: H

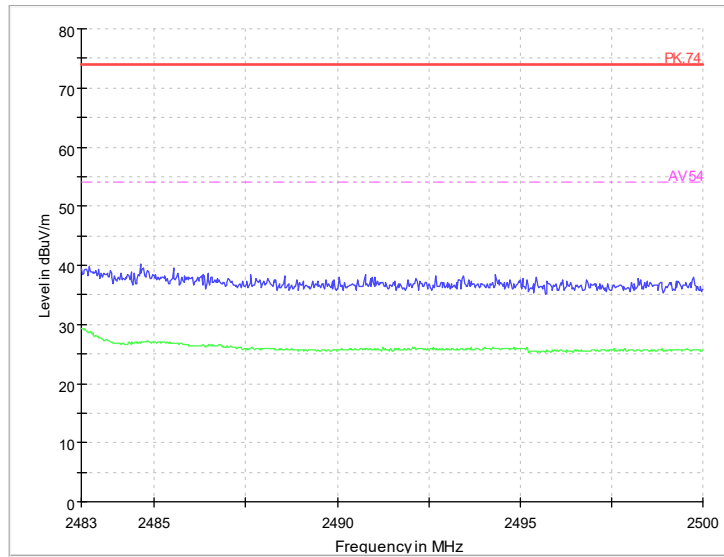
ANT2



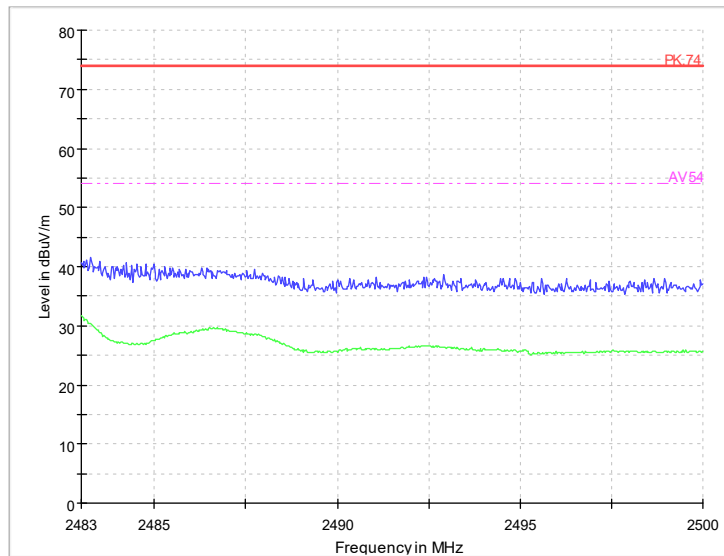
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization: V



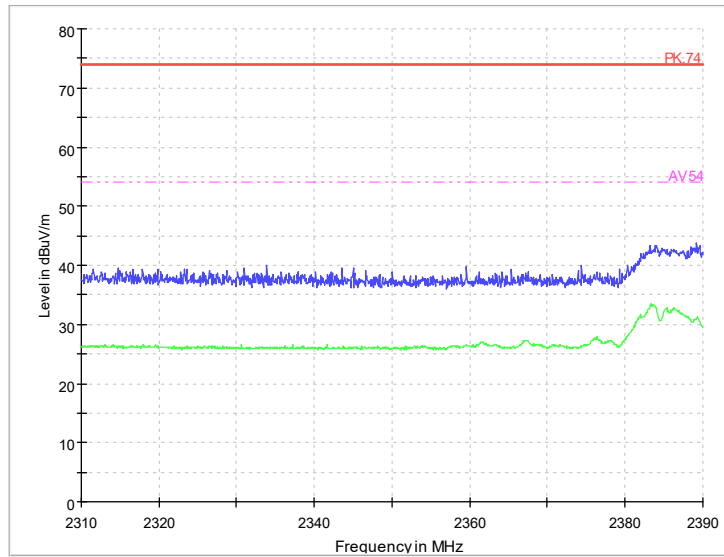
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11b
Polarization: H



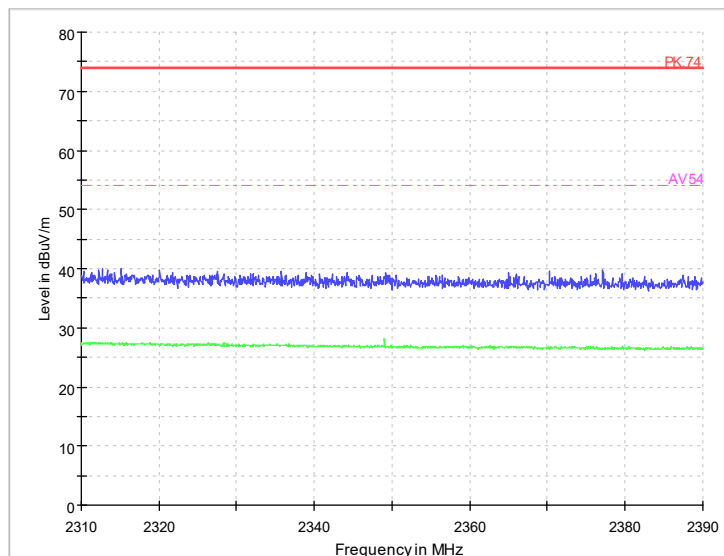
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization: V



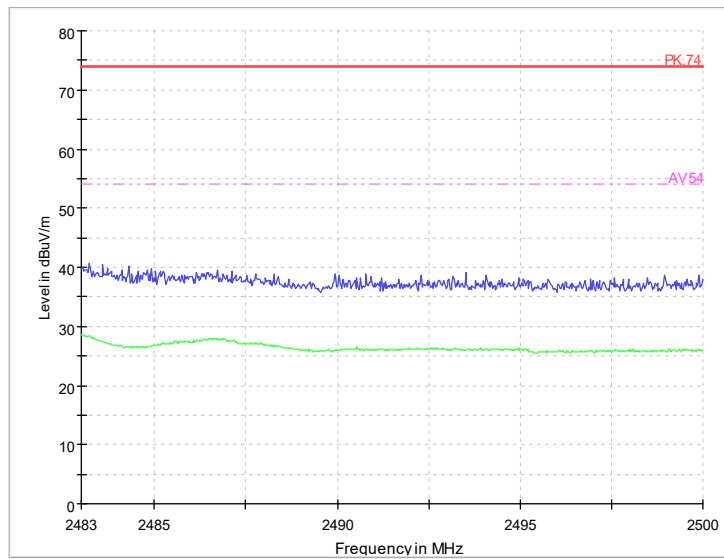
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b
Polarization: H



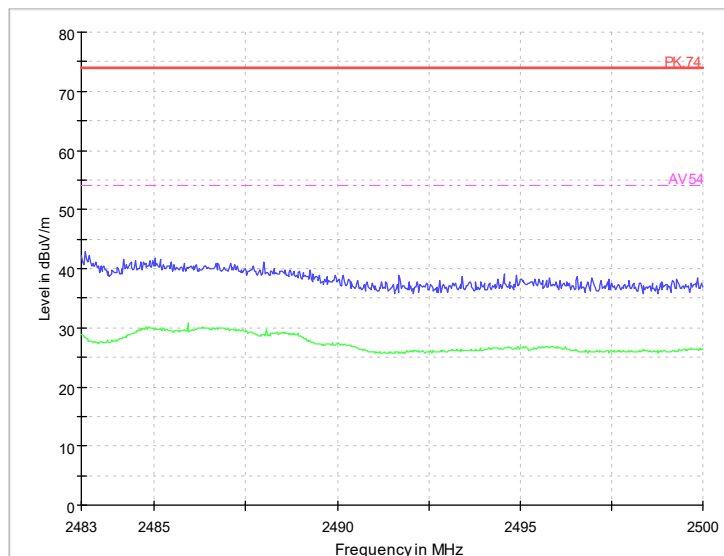
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization: V



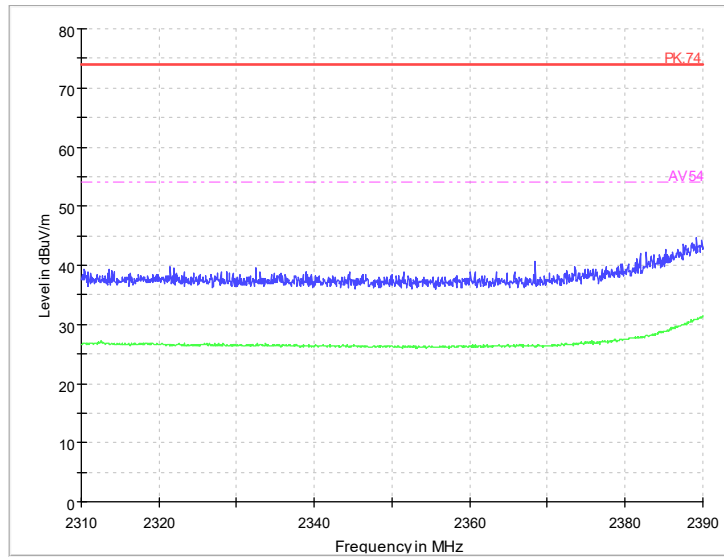
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11g
Polarization: H



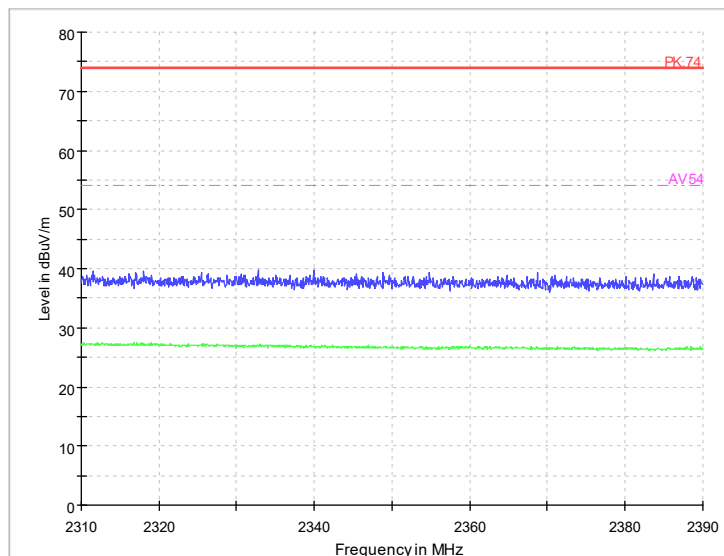
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization: V



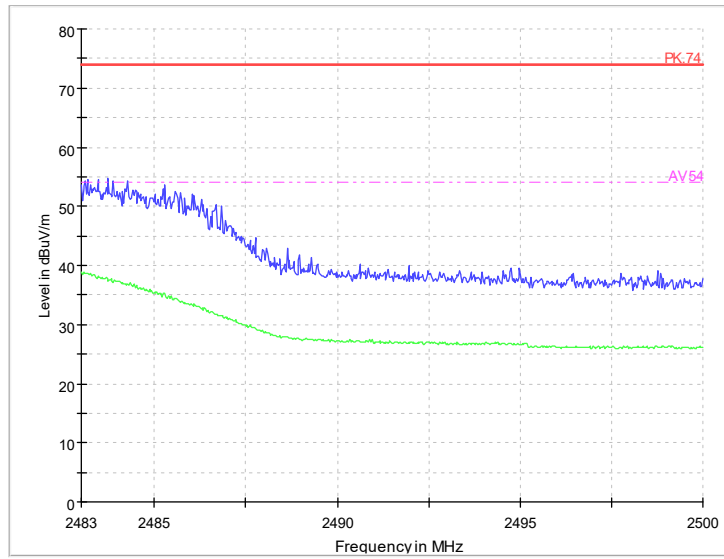
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11g
Polarization: H



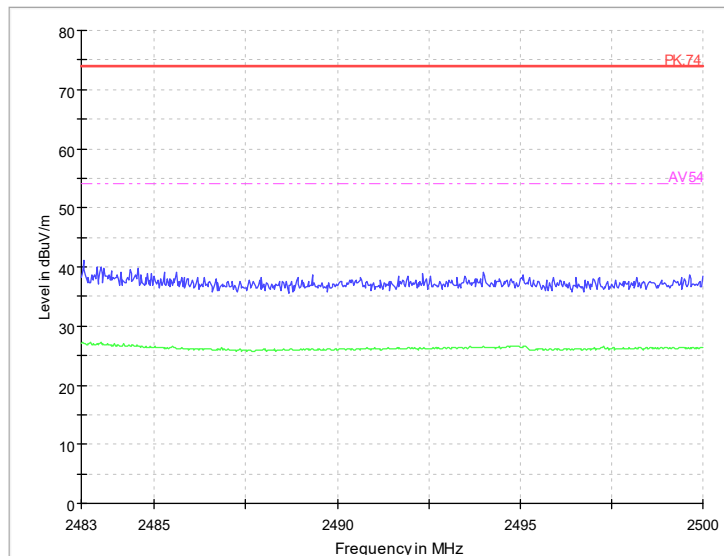
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n
Polarization: V



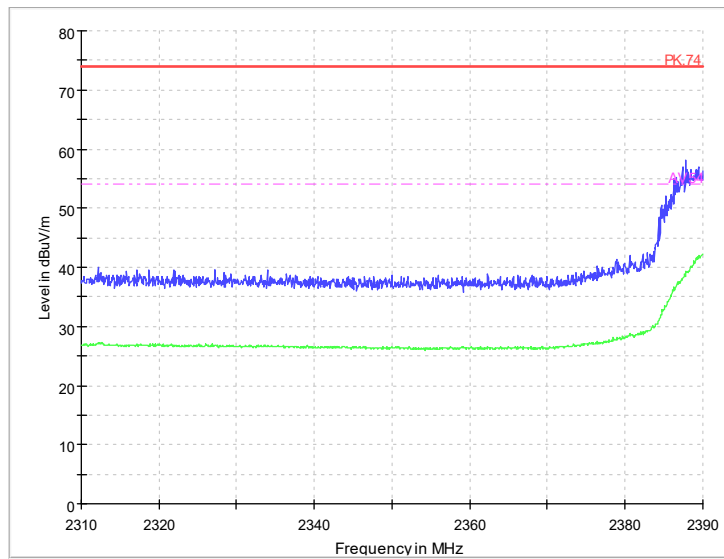
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11n
Polarization: H



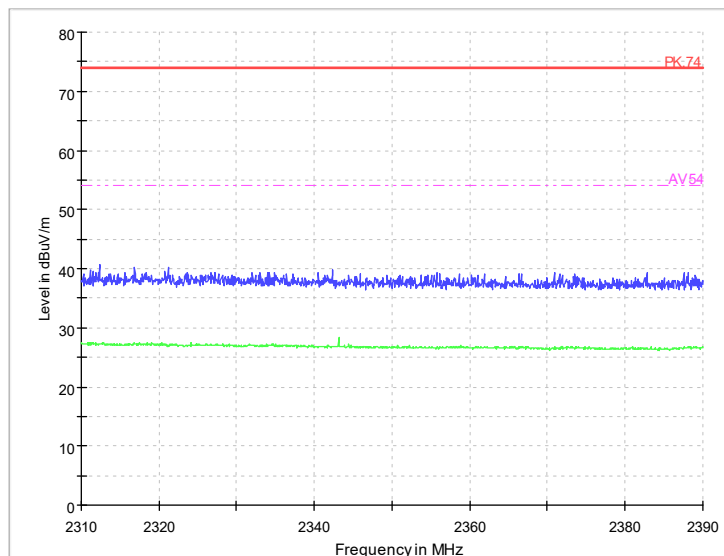
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n
Polarization: V



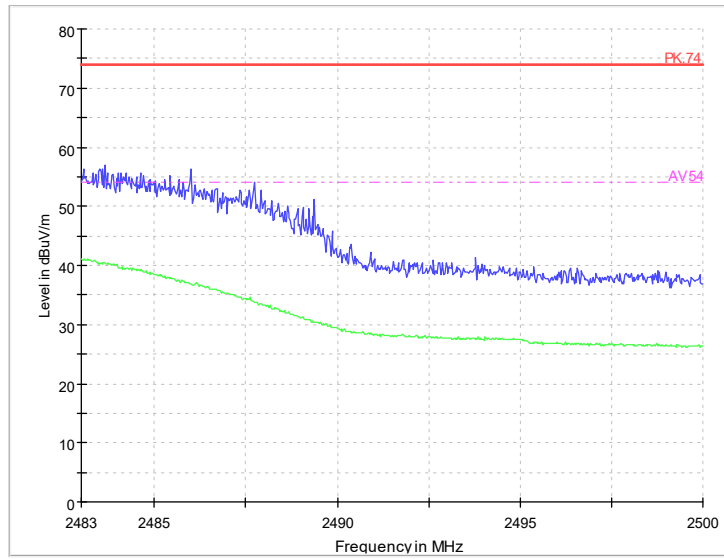
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11n
Polarization: H



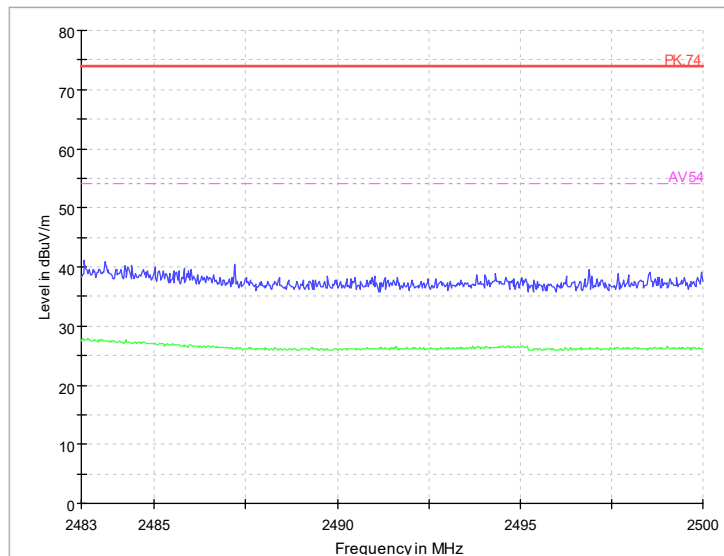
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax
Polarization: V



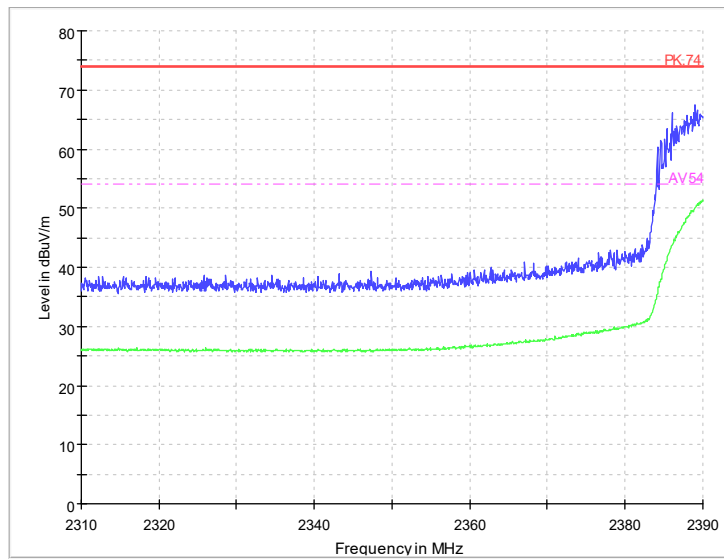
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax
Polarization: H



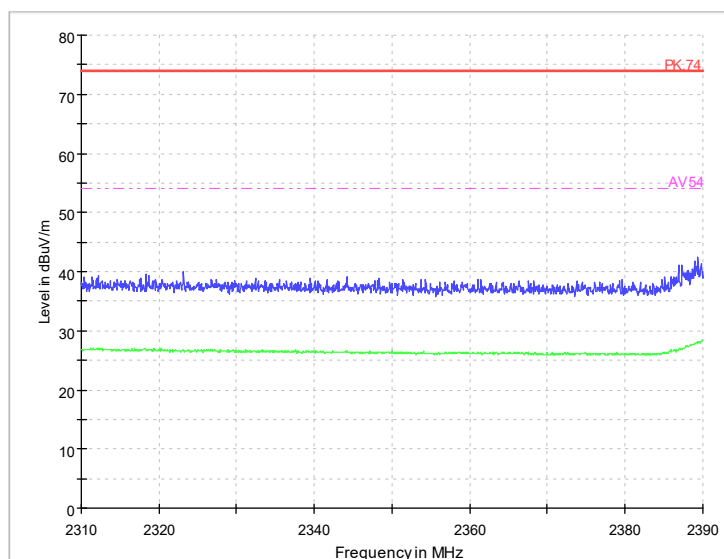
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax
Polarization: V



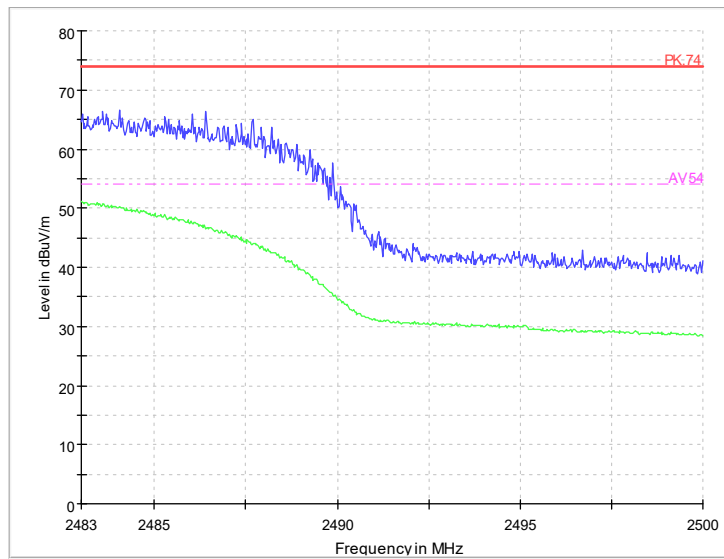
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax
Polarization: H



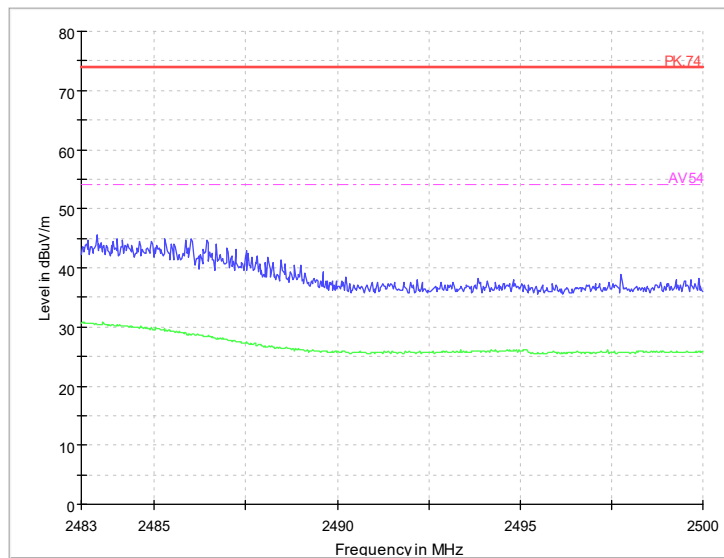
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11 be
Polarization: V



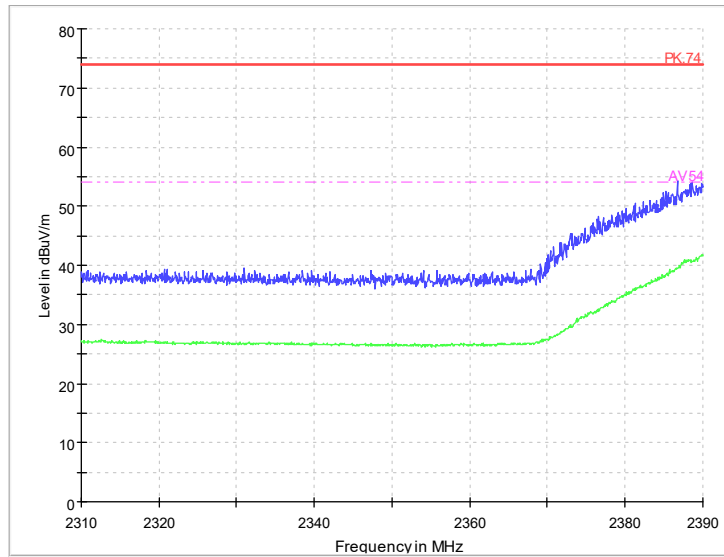
Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11 be
Polarization: H



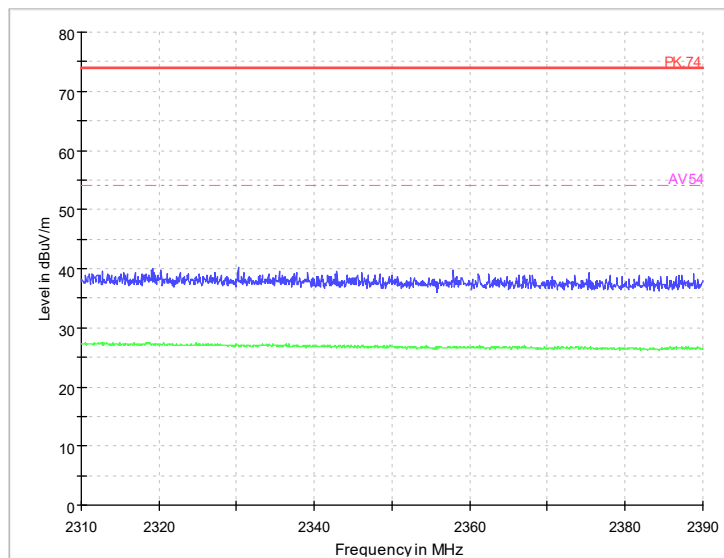
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11be
Polarization: V



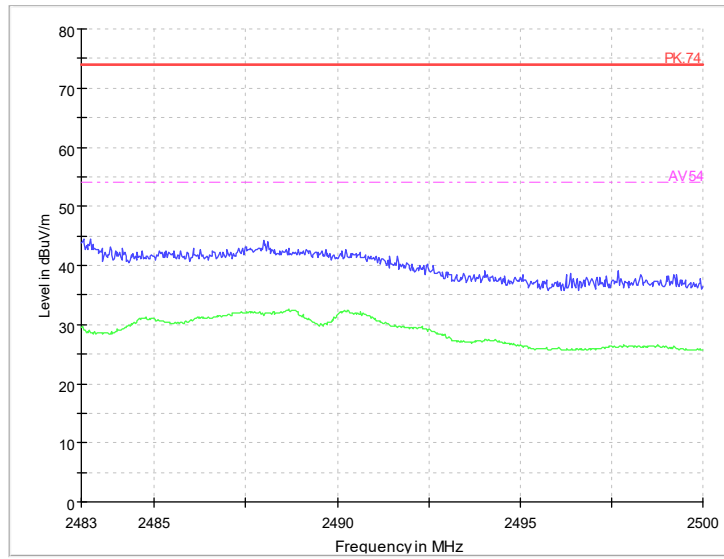
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11 be
Polarization: H



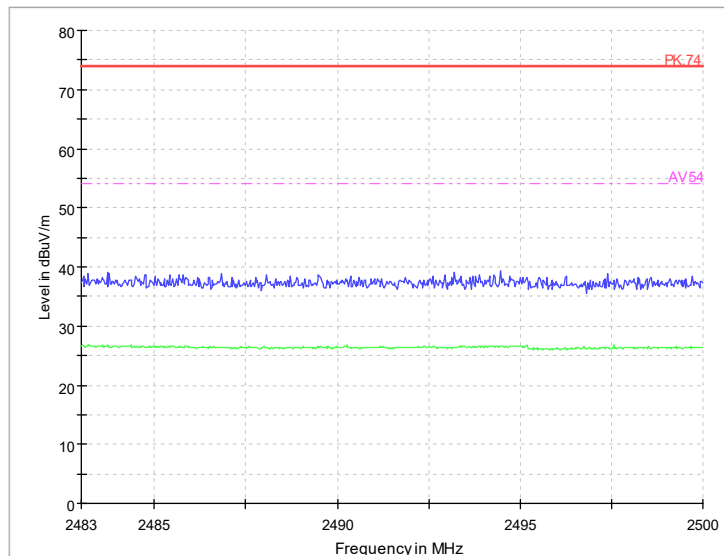
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n40
Polarization: V



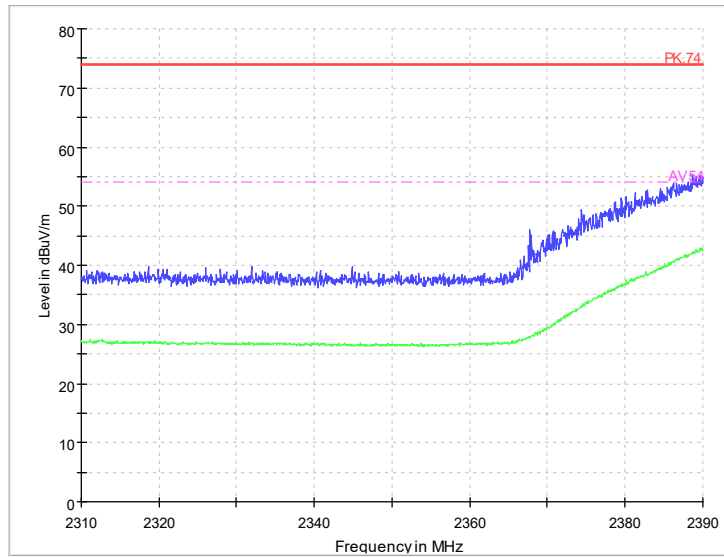
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11n40
Polarization: H



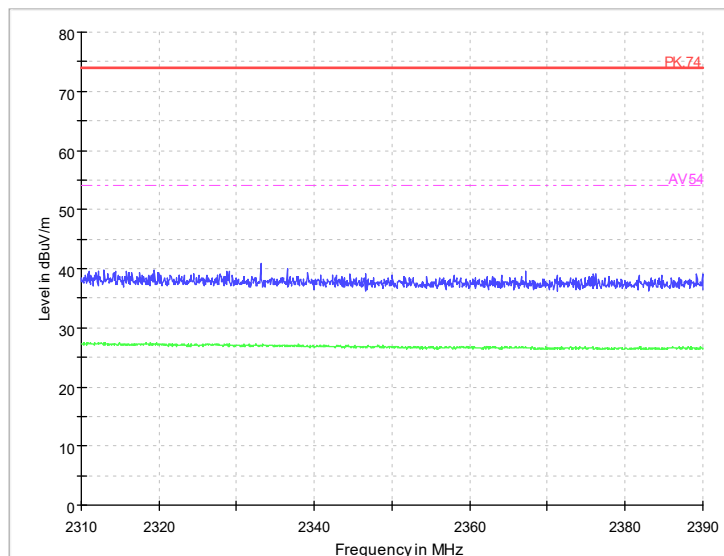
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n40
Polarization: V



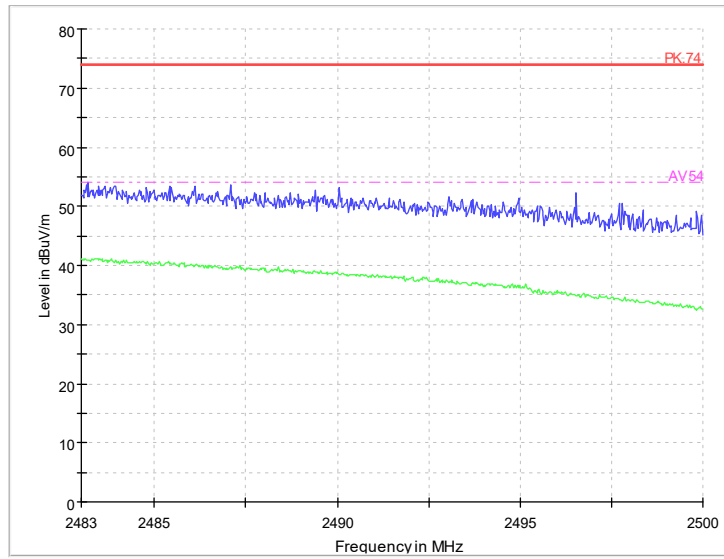
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11n40
Polarization: H



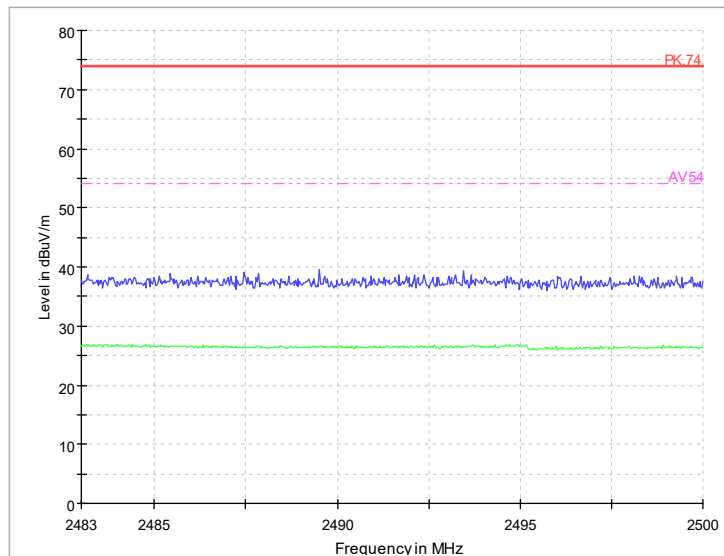
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11ax40
Polarization: V



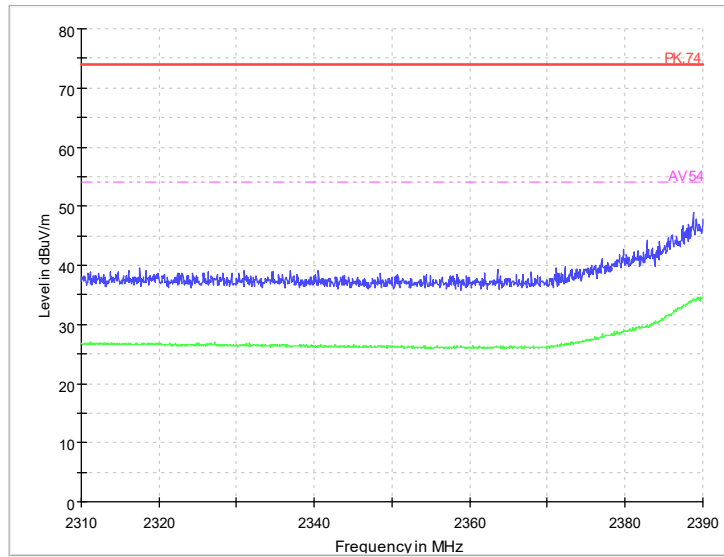
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11ax40
Polarization: H



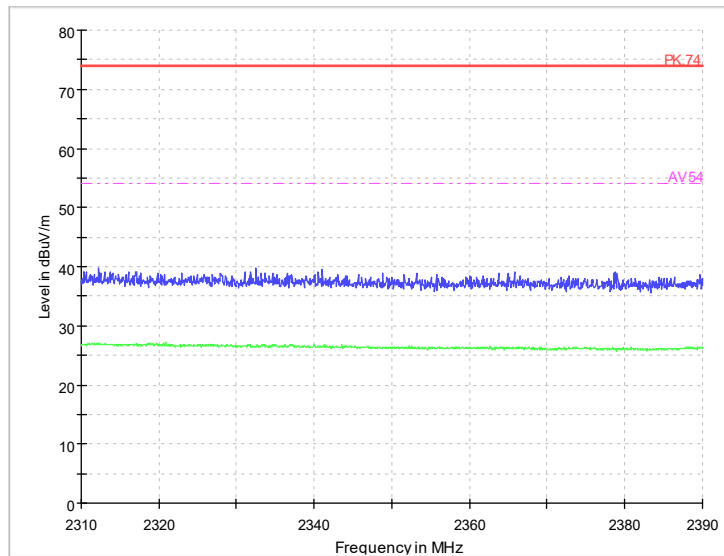
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11ax40
Polarization: V



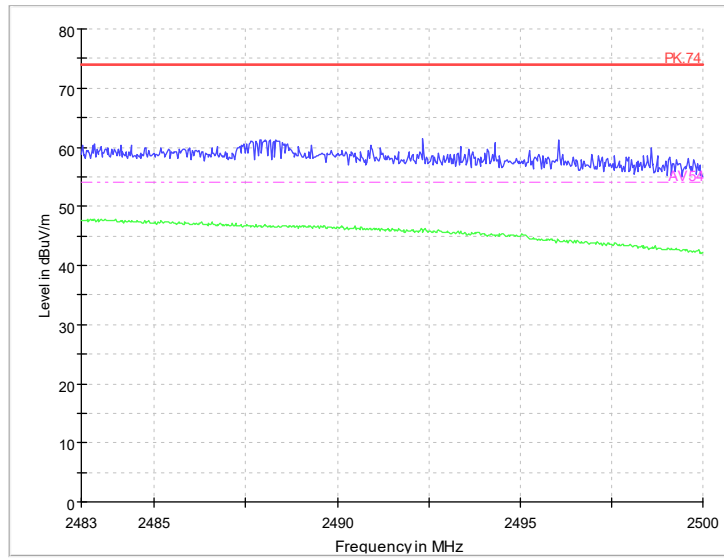
Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11ax40
Polarization: H



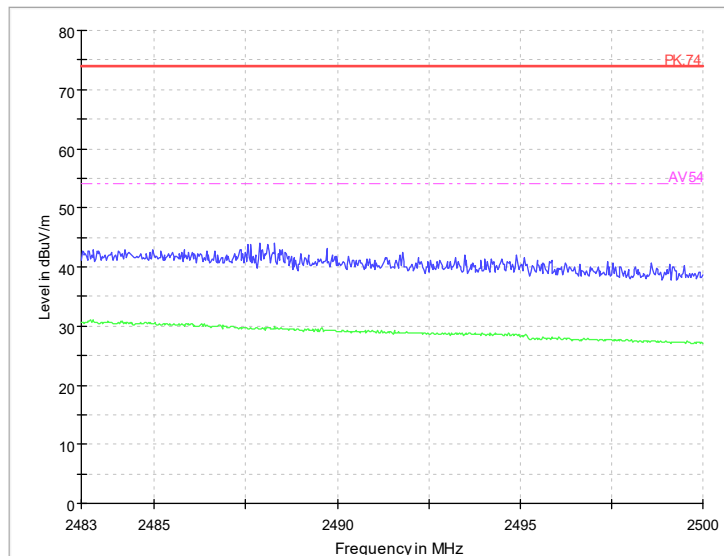
Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11 be40
Polarization: V



Radiated Emission Band Edge
Channel No.:3
Test Mode: 802.11 be40
Polarization: H



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11 be 40
Polarization: V



Radiated Emission Band Edge
Channel No.:9
Test Mode: 802.11be40
Polarization: H

Sample Calculations

After comparison, the worst case attitude is EUT lay down and tx-antenna vertical.

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.

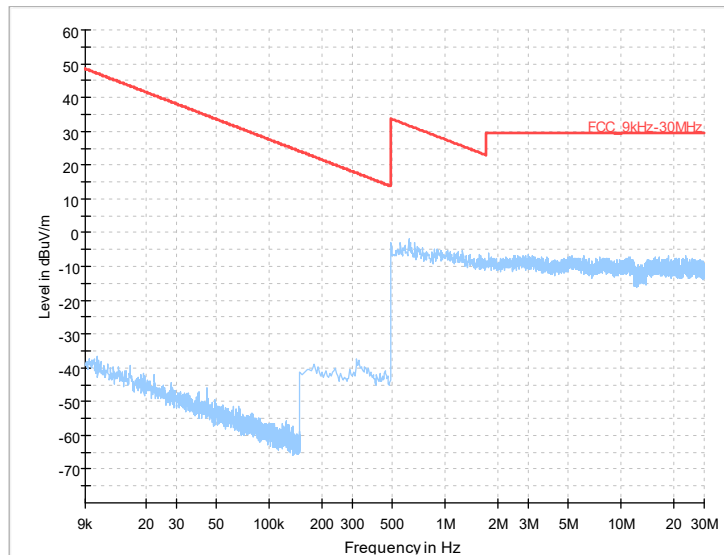
The measurement results are obtained as described below:

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

Sample calculation: $(27.96\text{dB}\mu\text{V/m}) = (45.56\text{dB}\mu\text{V/m}) + (-17.6\text{dB})$, the corresponding frequency is 48.381500MHz.

The worst case attitude: The mobile lay down.

Frequency (MHz)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	ARpl (dB/m)	Pmea (dBuV)	Polarity
48.381500	27.96	40.00	12.04	-17.6	45.56	Vertical
87.521000	22.65	40.00	17.35	-22.1	44.75	Vertical
161.920000	21.05	43.50	22.45	-22.0	43.05	Vertical
192.911500	24.38	43.50	19.12	-19.5	43.88	Vertical
449.961500	19.45	46.00	26.55	-12.2	31.65	Vertical
950.772500	19.29	46.00	26.71	-2.7	21.99	Vertical

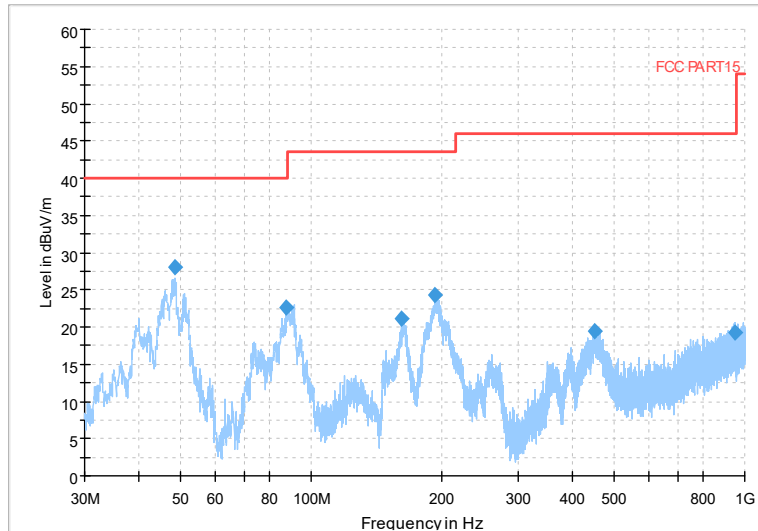


Frequency Range: 9kHz -30MHz

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.

Full Spectrum



Frequency Range: 30MHz -1GHz

Detector: QP mode

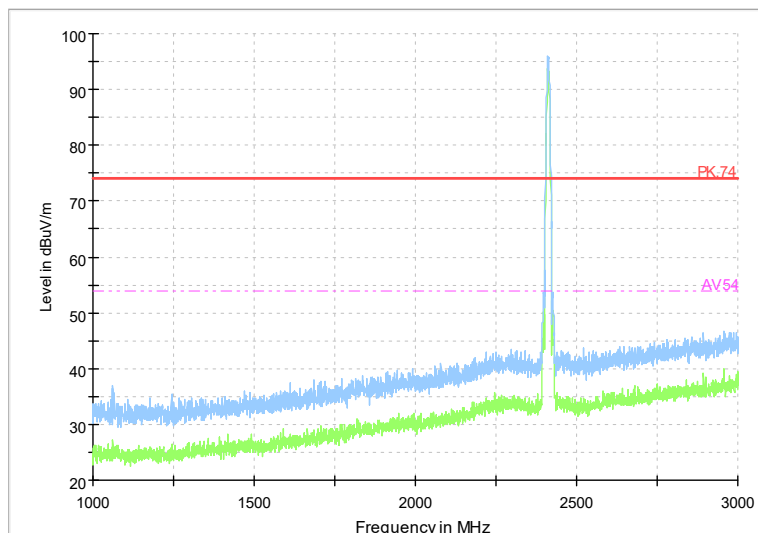
Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

ANT1

Carrier frequency (MHz): 2412

Channel No.:1

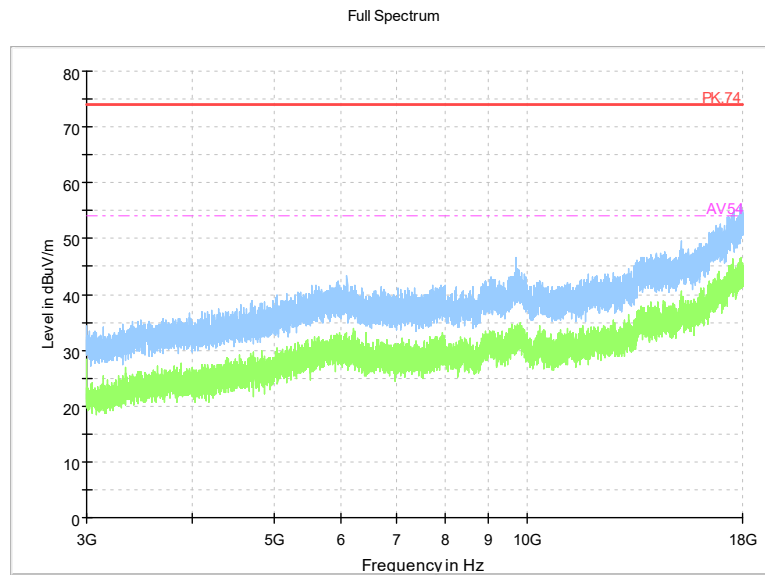
Full Spectrum



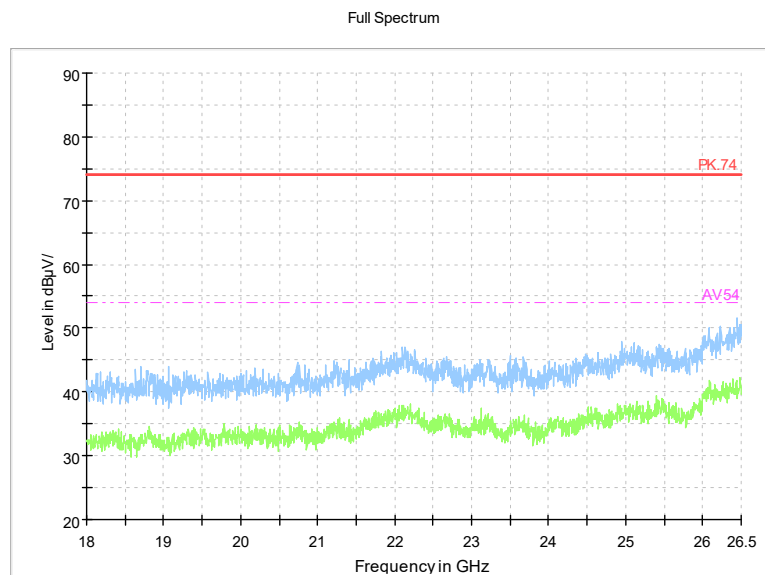
Frequency Range: 1GHz -3GHz

Detector: Av mode and PK mode

Modulation type: 802.11b

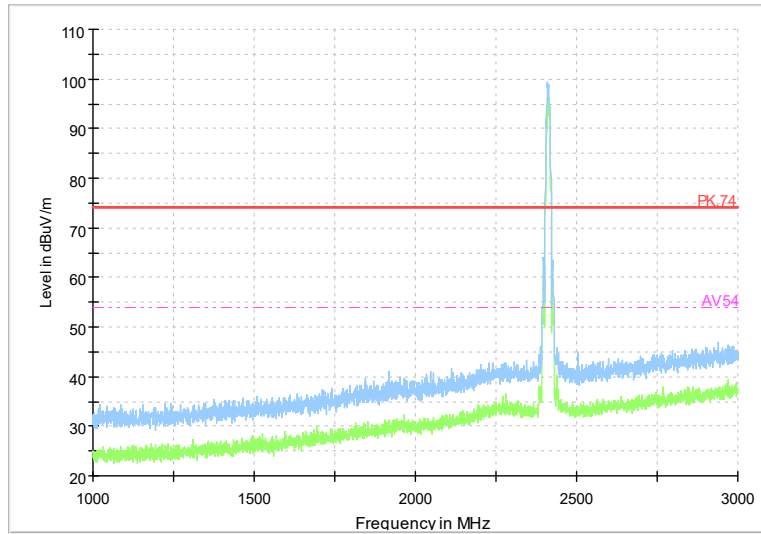


Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



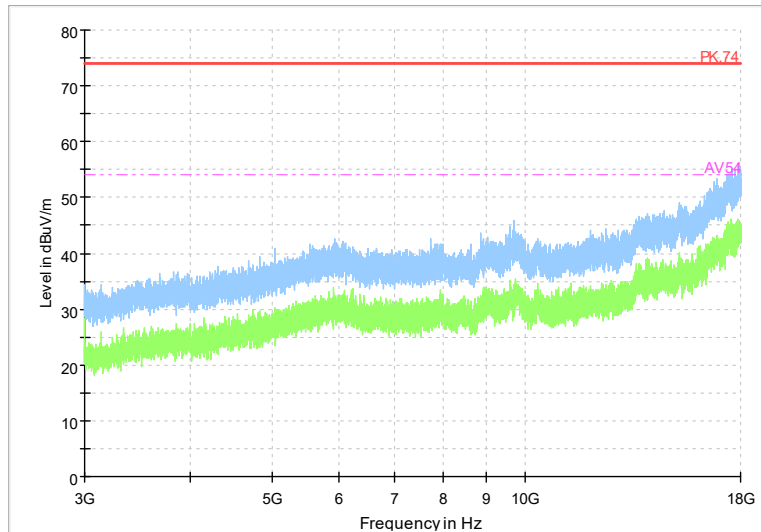
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



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

Full Spectrum



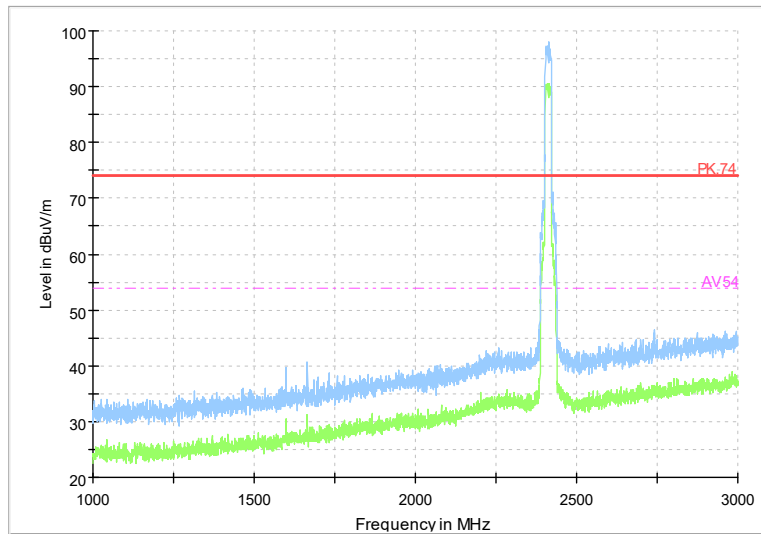
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



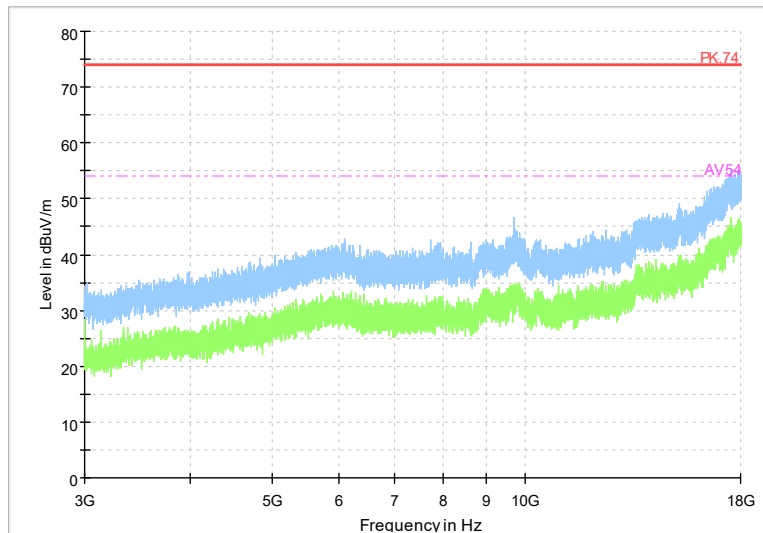
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



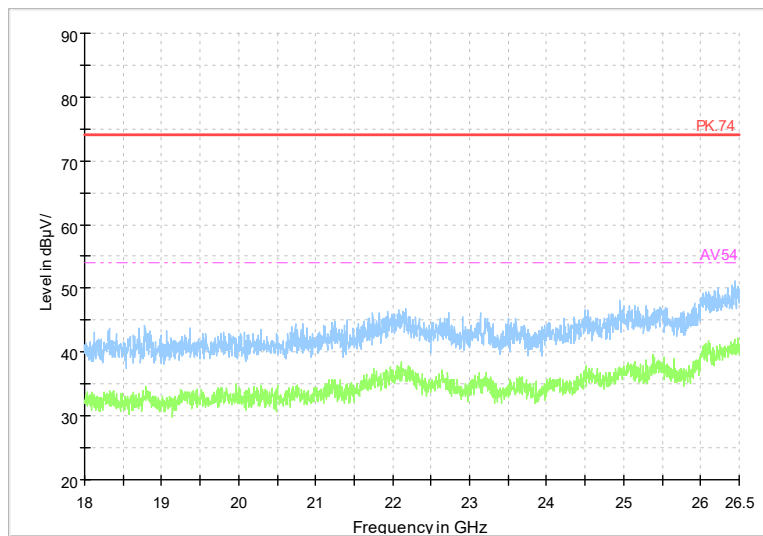
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



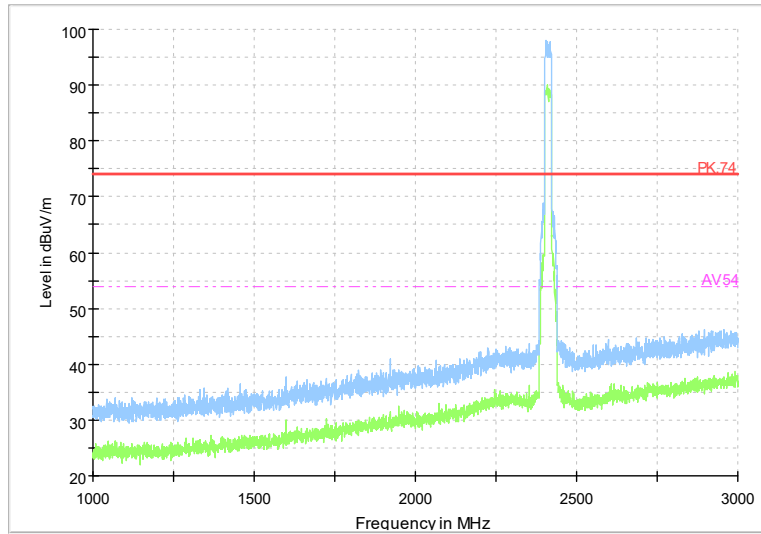
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



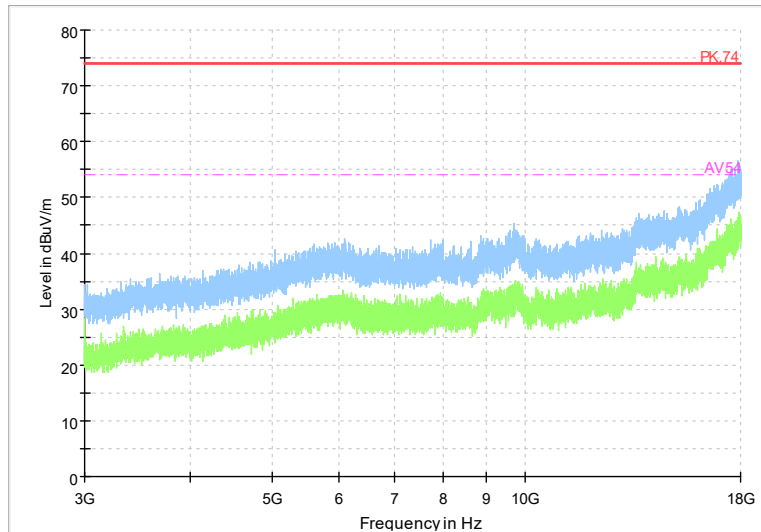
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



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

Full Spectrum



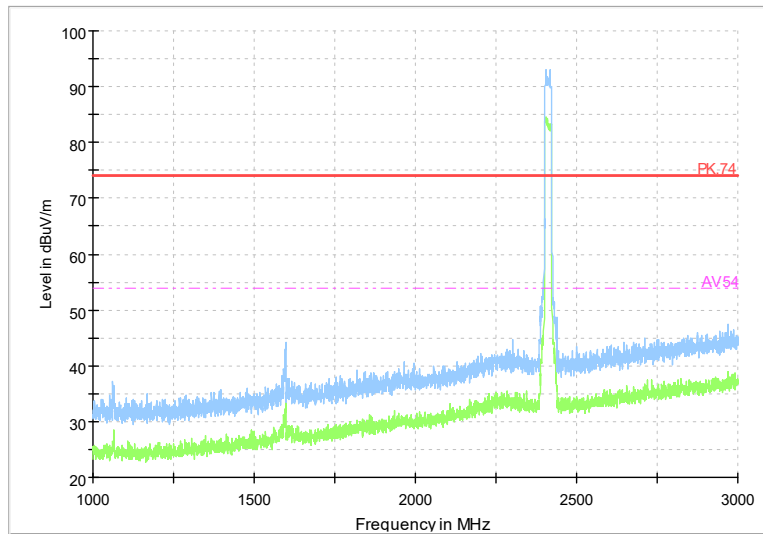
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HT20)

Full Spectrum



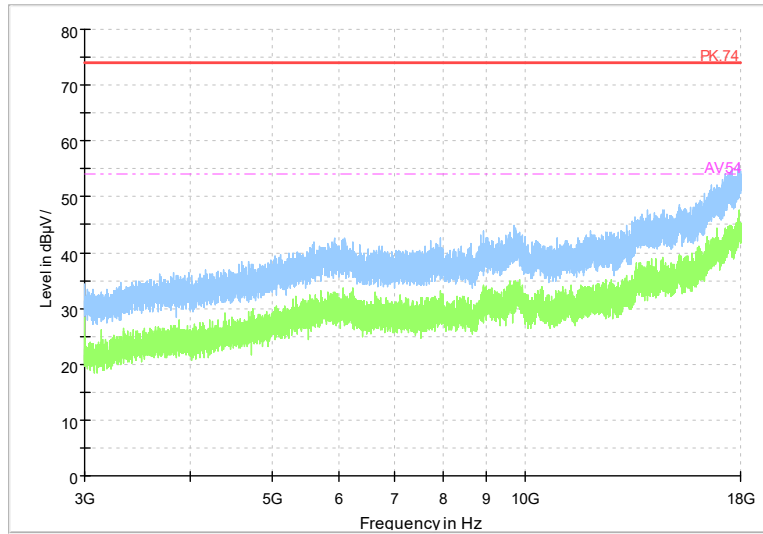
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HT20)

Full Spectrum



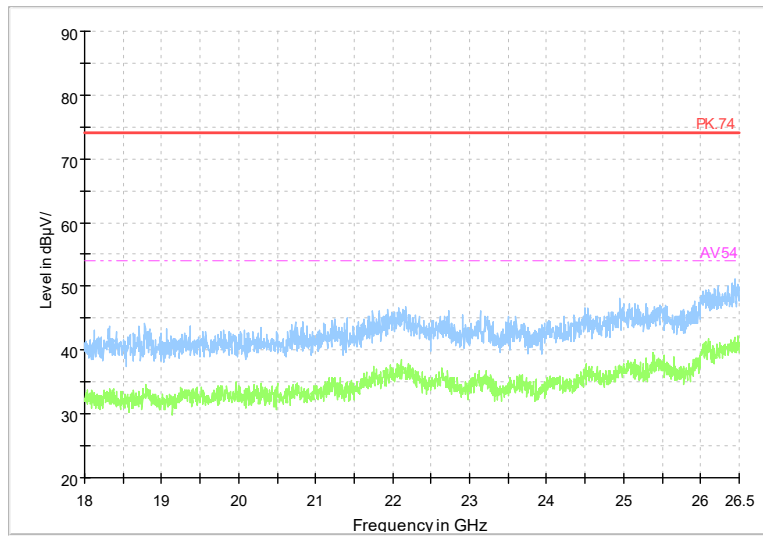
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11be(HT20)

Full Spectrum



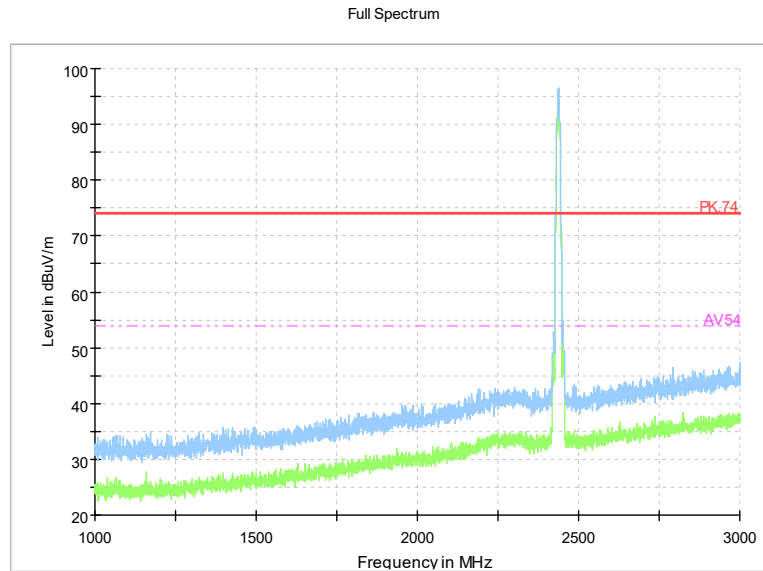
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11be(HT20)

Full Spectrum

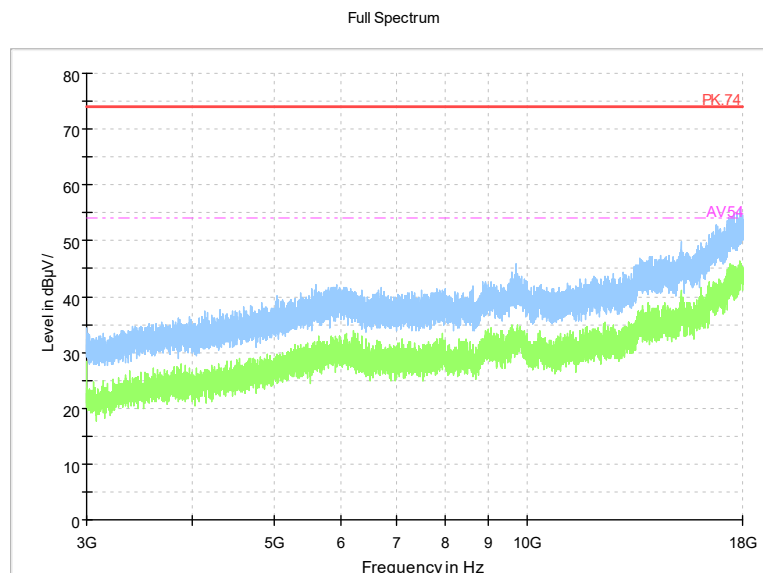


Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11be(HT20)

Carrier frequency (MHz): 2437
Channel No.:6

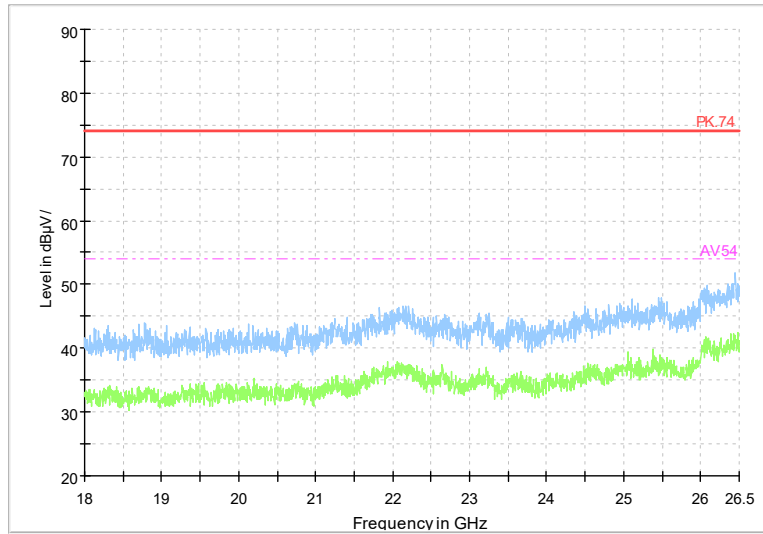


Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b



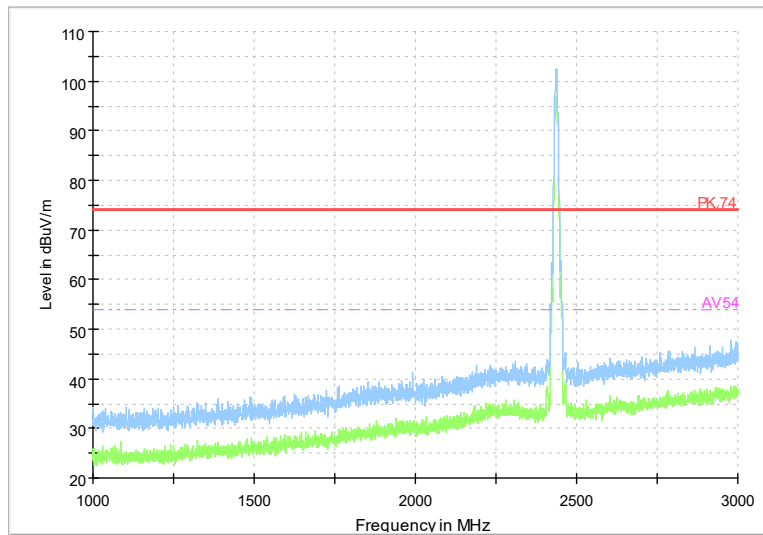
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



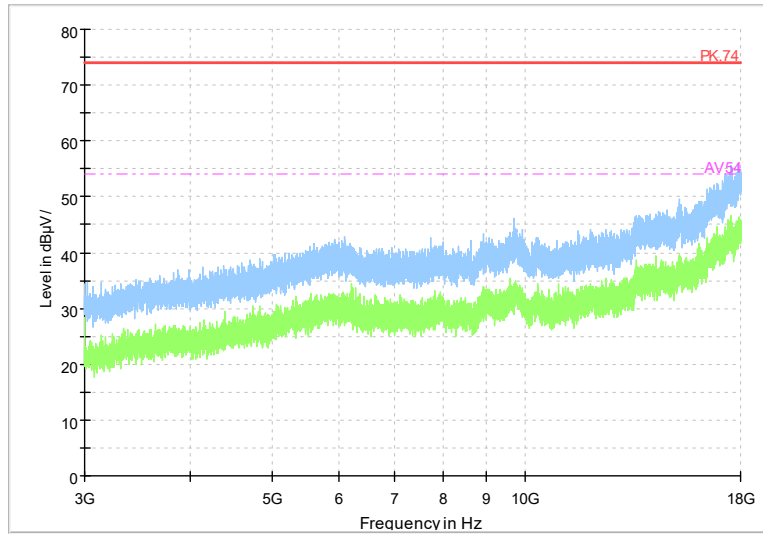
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



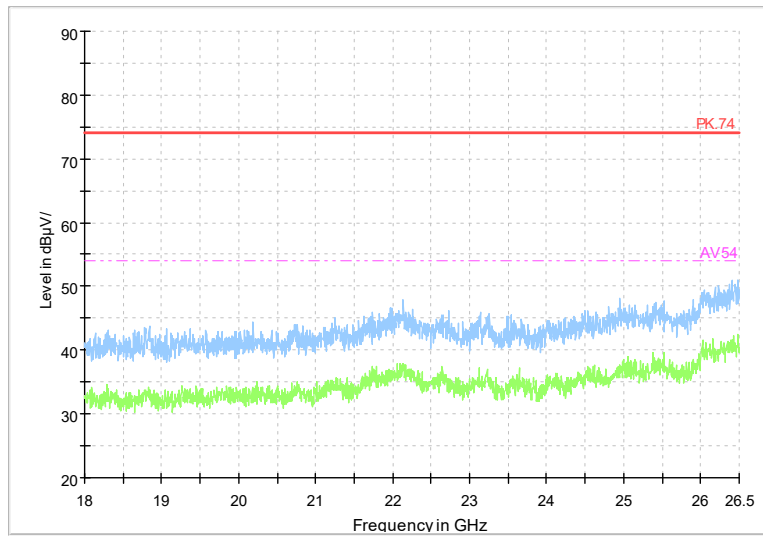
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



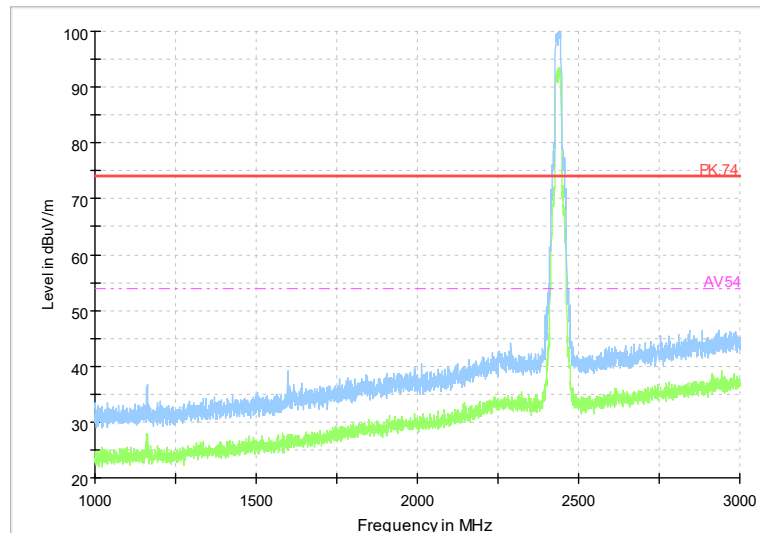
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



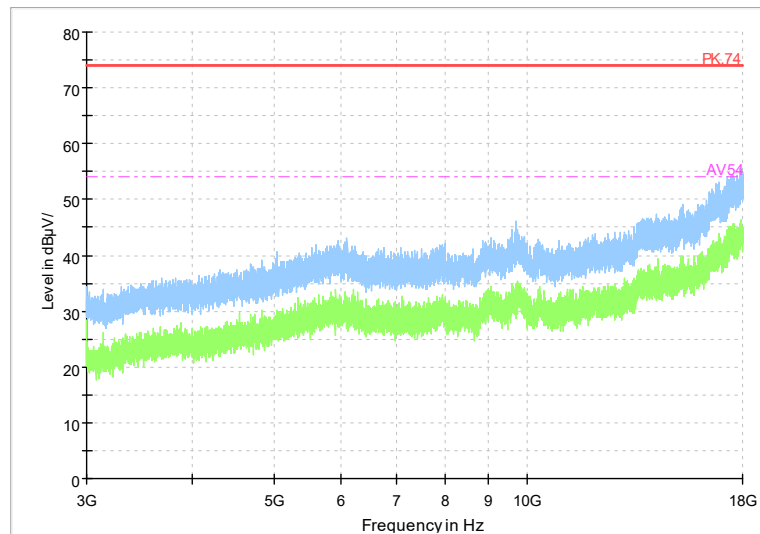
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



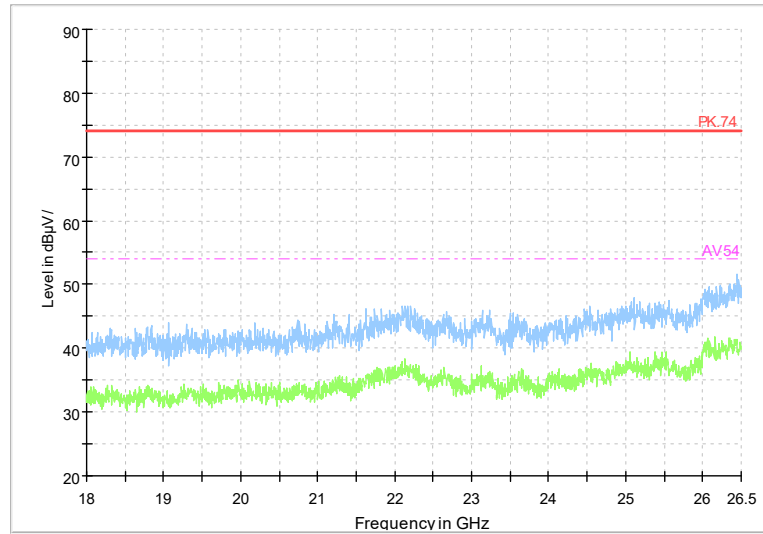
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



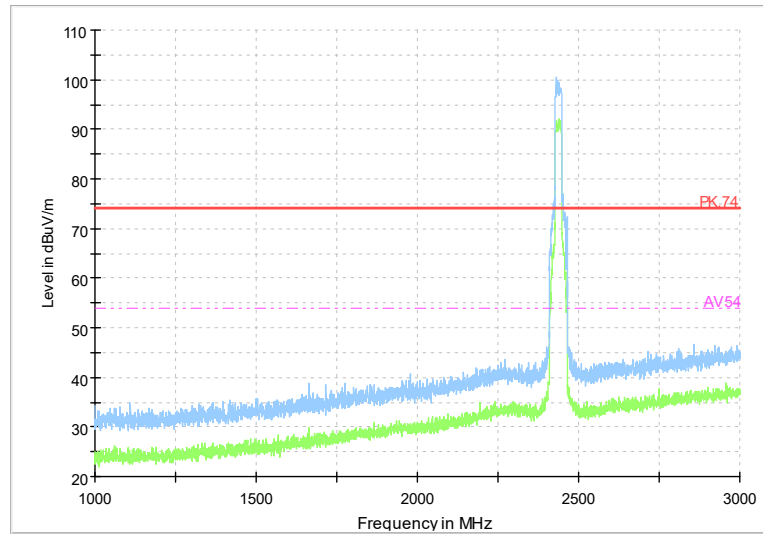
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



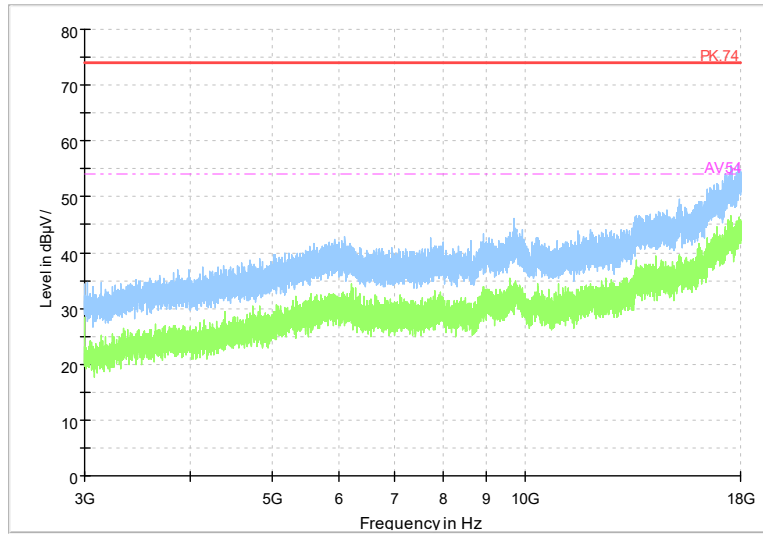
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



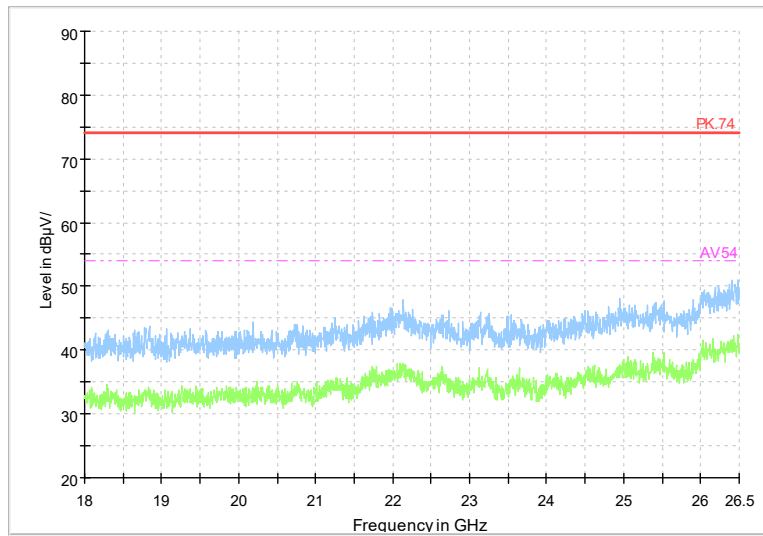
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HT20)

Full Spectrum



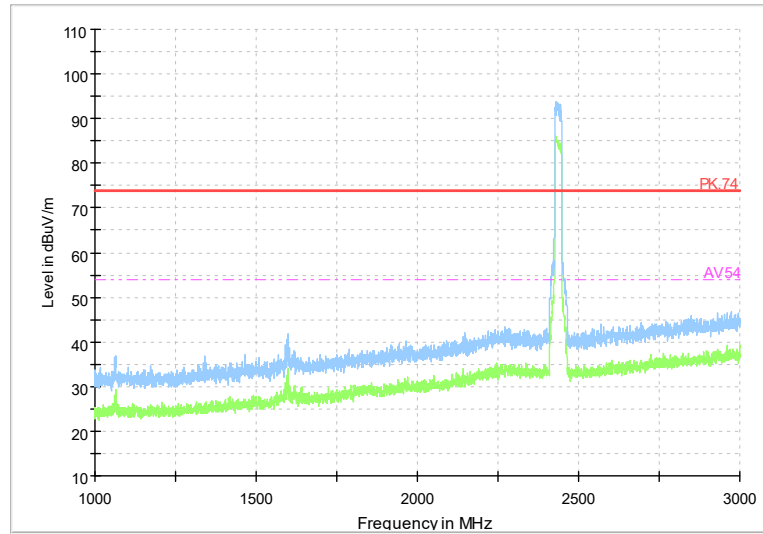
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HT20)

Full Spectrum



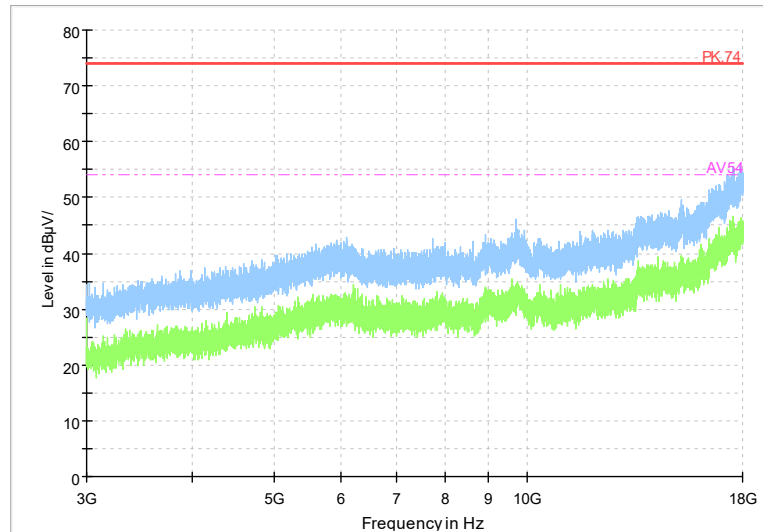
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11 ax(HT20)

Full Spectrum



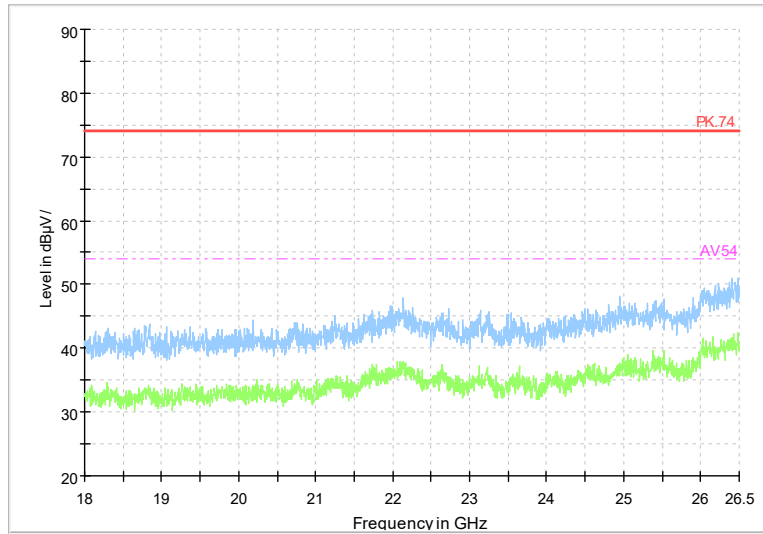
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11 be(HT20)

Full Spectrum



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

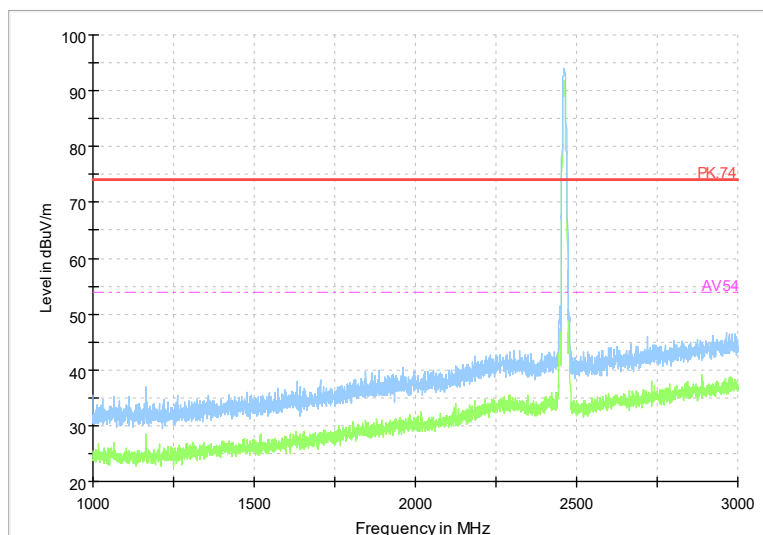
Full Spectrum



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

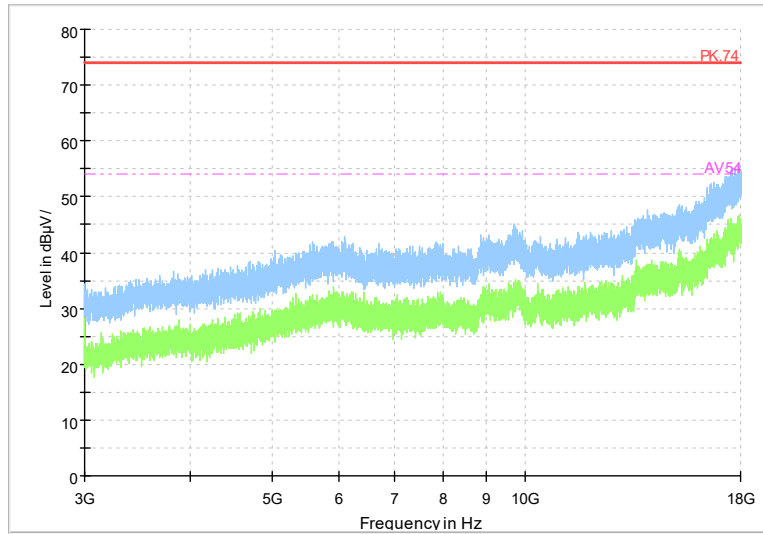
Carrier frequency (MHz): 2462
Channel No.:11

Full Spectrum



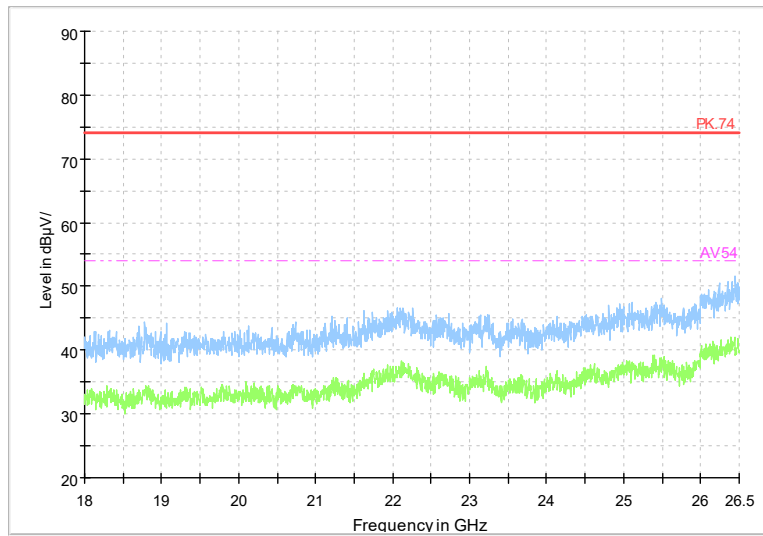
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



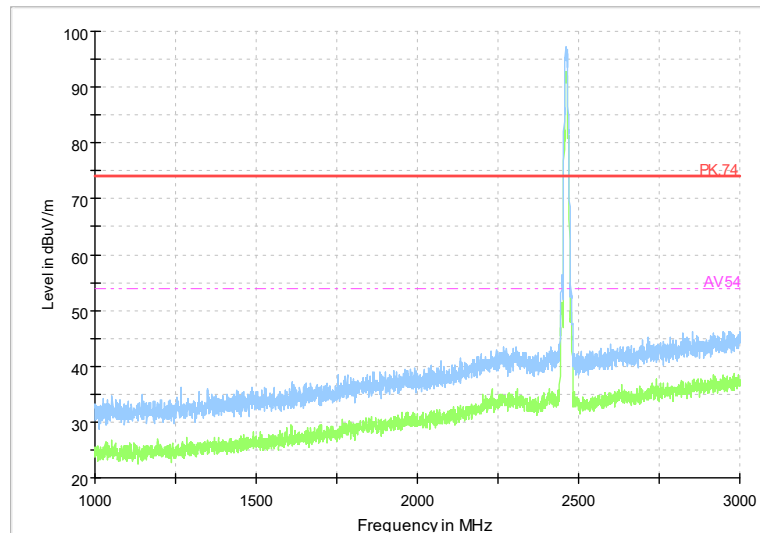
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



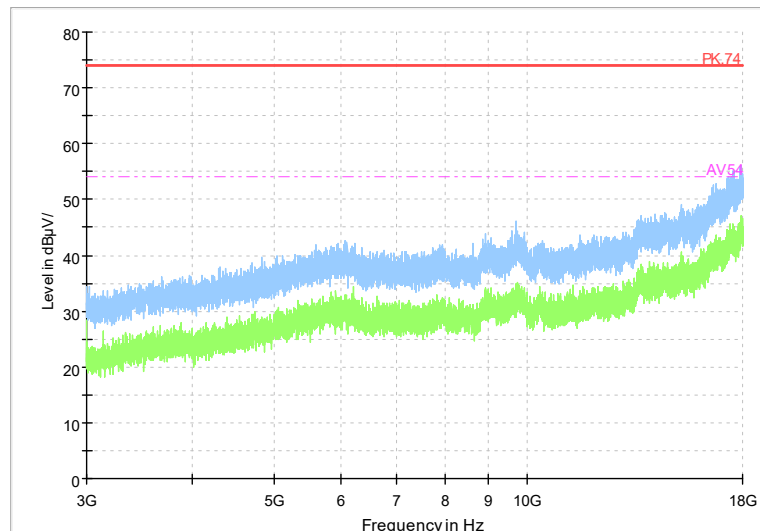
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

Full Spectrum



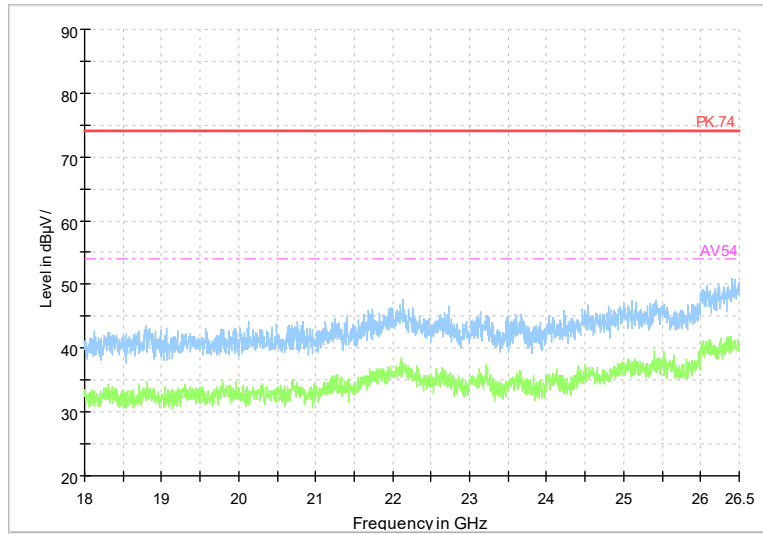
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



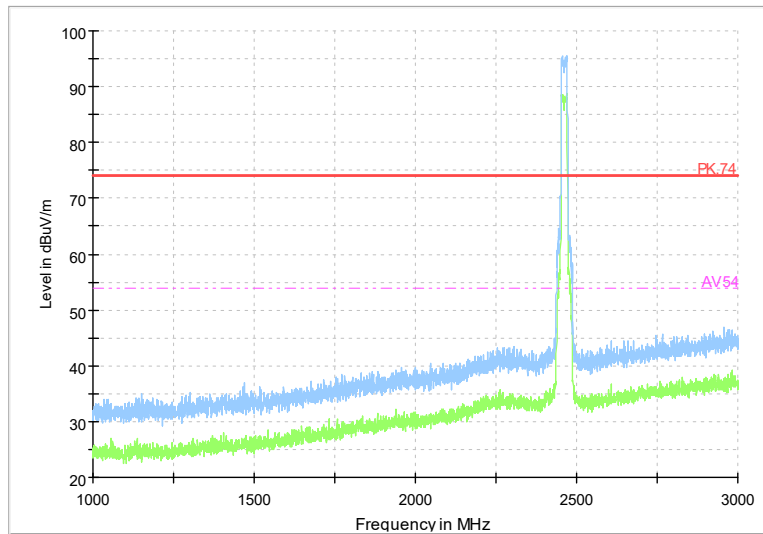
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



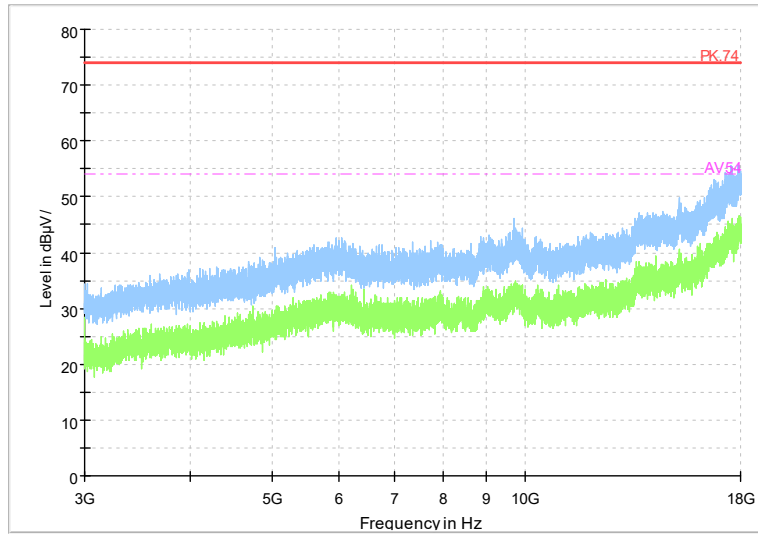
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11g

Full Spectrum



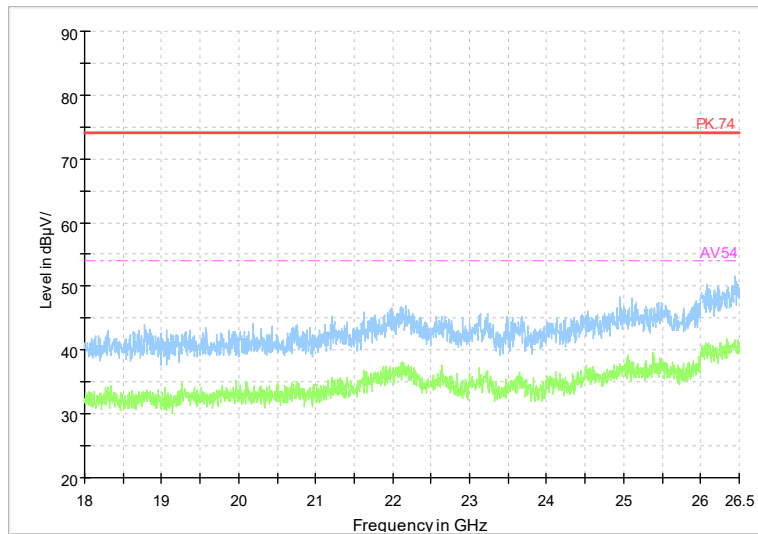
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



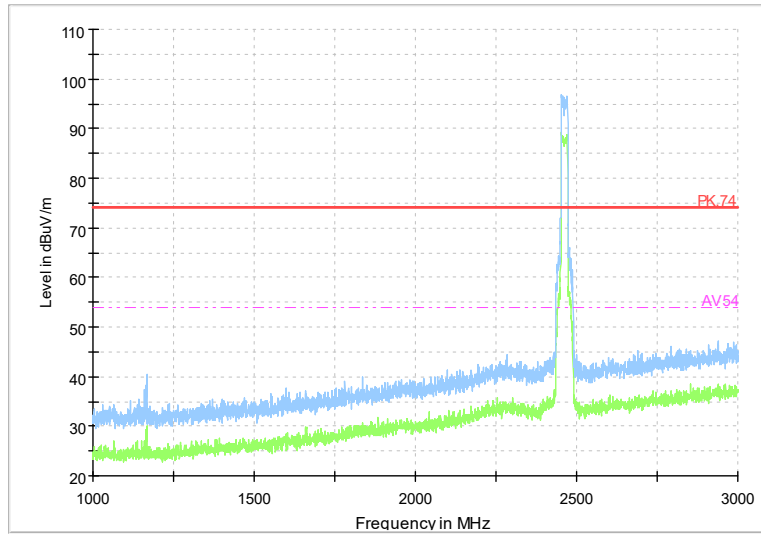
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



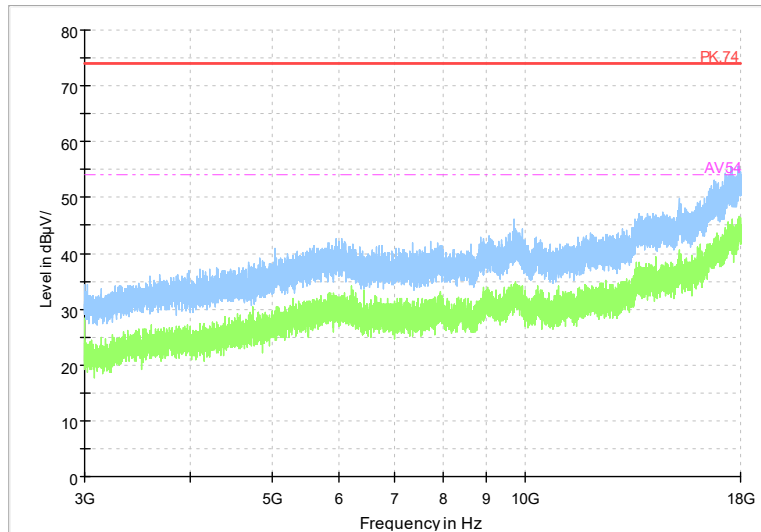
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11n(HT20)

Full Spectrum



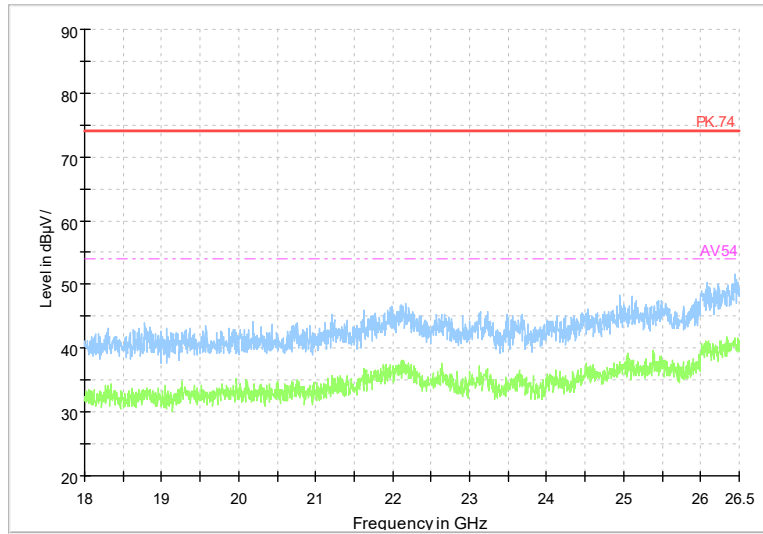
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax(HT20)

Full Spectrum



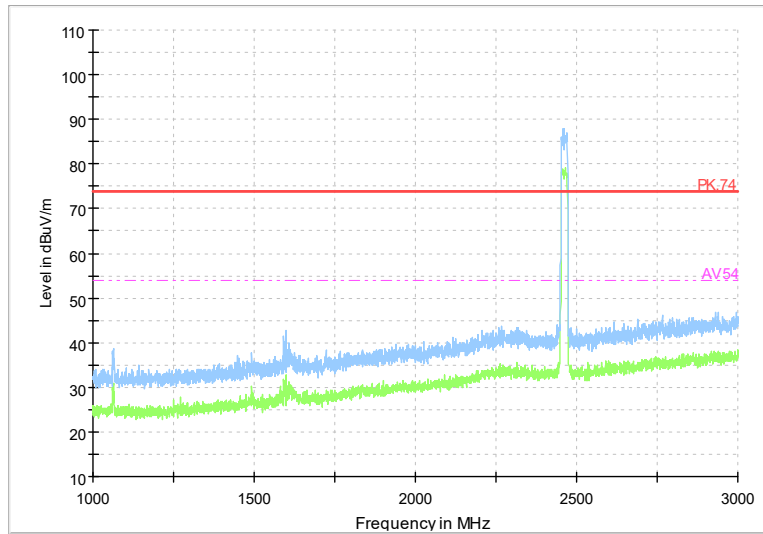
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax(HT20)

Full Spectrum



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

Full Spectrum



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