FCC RADIO TEST REPORT

FCC ID	:	NKR-LVSK-R1
Equipment	:	Router
Brand Name	:	verizon
Model Name	:	LVR1
Applicant	:	Wistron NeWeb Corporation 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Manufacturer	:	Wistron NeWeb Corporation 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308, Taiwan
Standard	:	47 CFR FCC Part 15.247

The product was received on May 29, 2019, and testing was started from Jun. 01, 2019 and completed on Jun. 14, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR952921AA	01	Initial issue of report	Jun. 25, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	WNC	95XKAC15.GCFVZ	Dipole Antenna	I-PEX MHF	Note1
2	2	WNC	95XKAC15.GCEVZ	Dipole Antenna	I-PEX MHF	
3	3	WNC	95XKAC15.GCGVZ	Dipole Antenna	I-PEX MHF	
4	4	WNC	95XKAC15.GCHVZ	Dipole Antenna	I-PEX MHF	
5	1	WNC	95XKAC15.GCKVZ	Dipole Antenna	I-PEX MHF	
6	2	WNC	95XKAC15.GCJVZ	Dipole Antenna	I-PEX MHF	
7	3	WNC	95XKAC15.GCIVZ	Dipole Antenna	I-PEX MHF	
8	4	WNC	95XKAC15.GCLVZ	Dipole Antenna	I-PEX MHF	
9	1	WNC	95XKAC15.GCNVZ	Patch Antenna	I-PEX MHF	
10		WNC	95XKAC15.GCMVZ	Patch Antenna	I-PEX MHF	

Note1:

Directional Gain (dBi)				
Ant.	Port	2.4GHz	5G Bnad 1	5G Bnad 4
1	1	5.45	-	6.94
2	2	5.45	-	6.94
3	3	5.45	-	6.94
4	4	5.45	-	6.94
5	1	-	5.88	-
6	2	-	5.88	-
7	3	-	5.88	-
8	4	-	5.88	-

Antenna Gain (dBi)		
Ant.	Port	Bluetooth
9	1	2.72
10		2.72

Note2:The above information was declared by manufacturer.

For wifi function (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 can could transmit/receive simultaneously.

For bluetooth function (1TX/1RX):

Only Port 1 can be used as receiving/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.752	1.24	652.5u	3k
802.11g	0.92	0.36	1.435m	1k
VHT20	0.952	0.21	5.435m	300
VHT40	0.955	0.2	5.44m	300
802.11ax HEW20	0.959	0.18	5.455m	300
802.11ax HEW20-BF	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.958	0.19	5.46m	300
802.11ax HEW40-BF	0.972	0.12	1.761m	1k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming for 802.11ax in 2.4GHz and 802.11ac/ax in 5GHz	☐	Without beamforming
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	QSPR : v5.0-00163			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Eddie Weng	22~24°C / 50~60%	Jun. 04, 2019 ~ Jun. 14, 2019
Radiated	03CH04-CB for below 1GHz	Welson Chen	22~24°C / 55~60%	Jun. 10, 2019
Radiated	03CH04-CB for above 1GHz	Eason Chen	22~24°C / 50~60%	Jun. 01, 2019 ~ Jun. 13, 2019
AC Conduction	CO01-CB	Wei Li	24.3~24.6°C / 59~61%	Jun. 11, 2019

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086B with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For non-beamforming mode

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	23.5
2437MHz	23.5
2457MHz	23.5
2462MHz	22.5
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	20.5
2417MHz	21.5
2437MHz	23
2457MHz	23
2462MHz	20.5
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	22.5
2462MHz	20
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	19
2437MHz	20
2447MHz	17.5
2452MHz	17
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	22.5
2462MHz	20
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	19
2437MHz	20
2447MHz	17.5
2452MHz	17

For beamforming mode

Mode	PowerSetting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	25
2417MHz	28
2437MHz	29
2457MHz	28
2462MHz	25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	22
2427MHz	25
2437MHz	25
2447MHz	25
2452MHz	22

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT for 802.11ax in 2.4GHz and 802.11ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz Band 4
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1 + WLAN 5GHz Band 4 + Bluetooth
Refer to Sporton Test Report No.: FA952921 for Co-location RF Exposure Evaluation.	

Note: The EUT only use in Z axis.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	LUCENT TRANS	1A95-US1223	INPUT: 100-240V, 1A, 50-60Hz OUTPUT: 19V, 2.37A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	1Gbps NB	DELL	E6430	N/A
B	WAN PC	DELL	T3400	N/A
C	2.5Gbps PC	DELL	T3400	N/A
D	Device	verizon	LVR1	NKR-LVSK-R1
E	Smart phone	Samsung	Galaxy J2	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PC	DELL	OPTIPLEX 3010	N/A
B	PC	DELL	OPTIPLEX 3010	N/A
C	Device	verizon	LVR1	NKR-LVSK-R1
D	Phone	Samsung	SM-J200Y	N/A
E	NB	DELL	E4300	N/A

For Radiated (above 1GHz):
For non-beamforming mode

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

For beamforming mode:

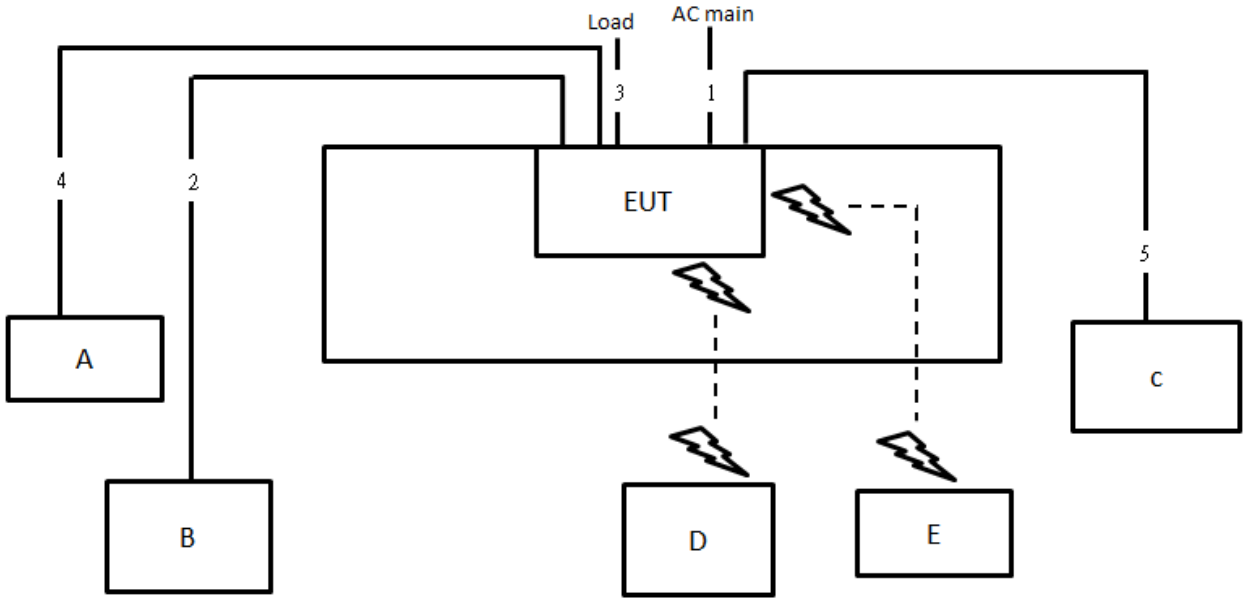
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	Device	verizon	LVR1	NKR-LVSK-R1
C	NB	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

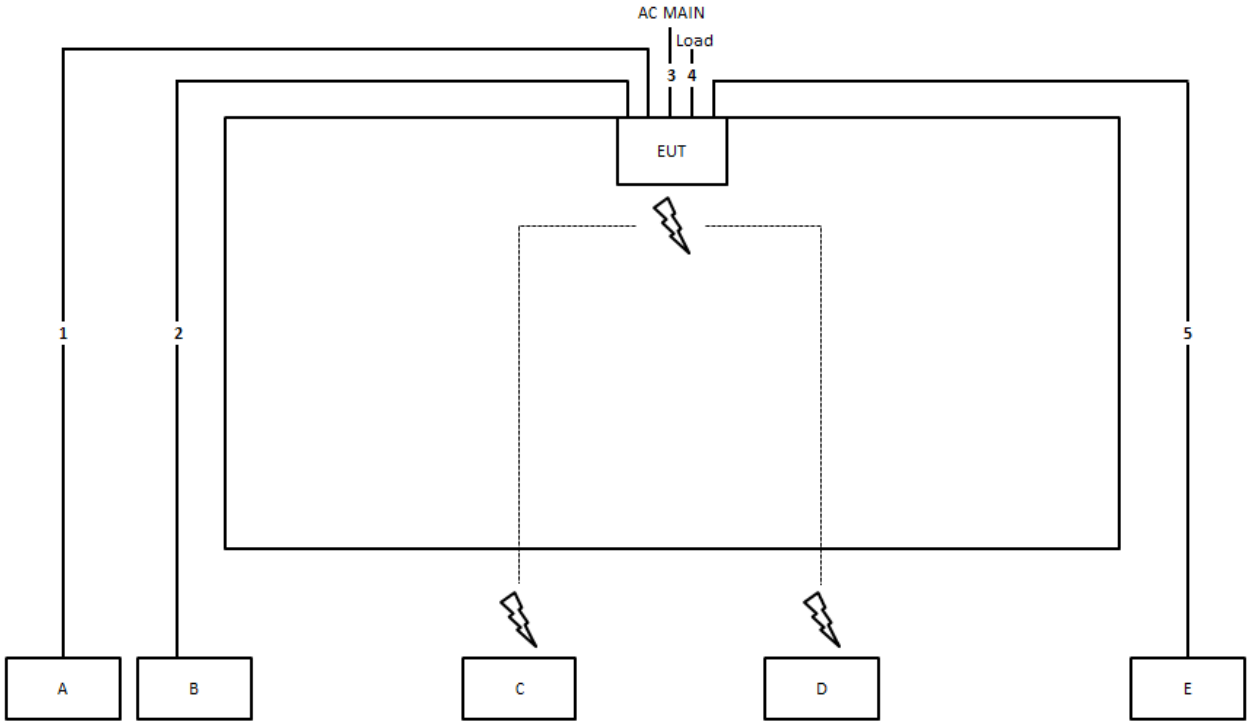
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



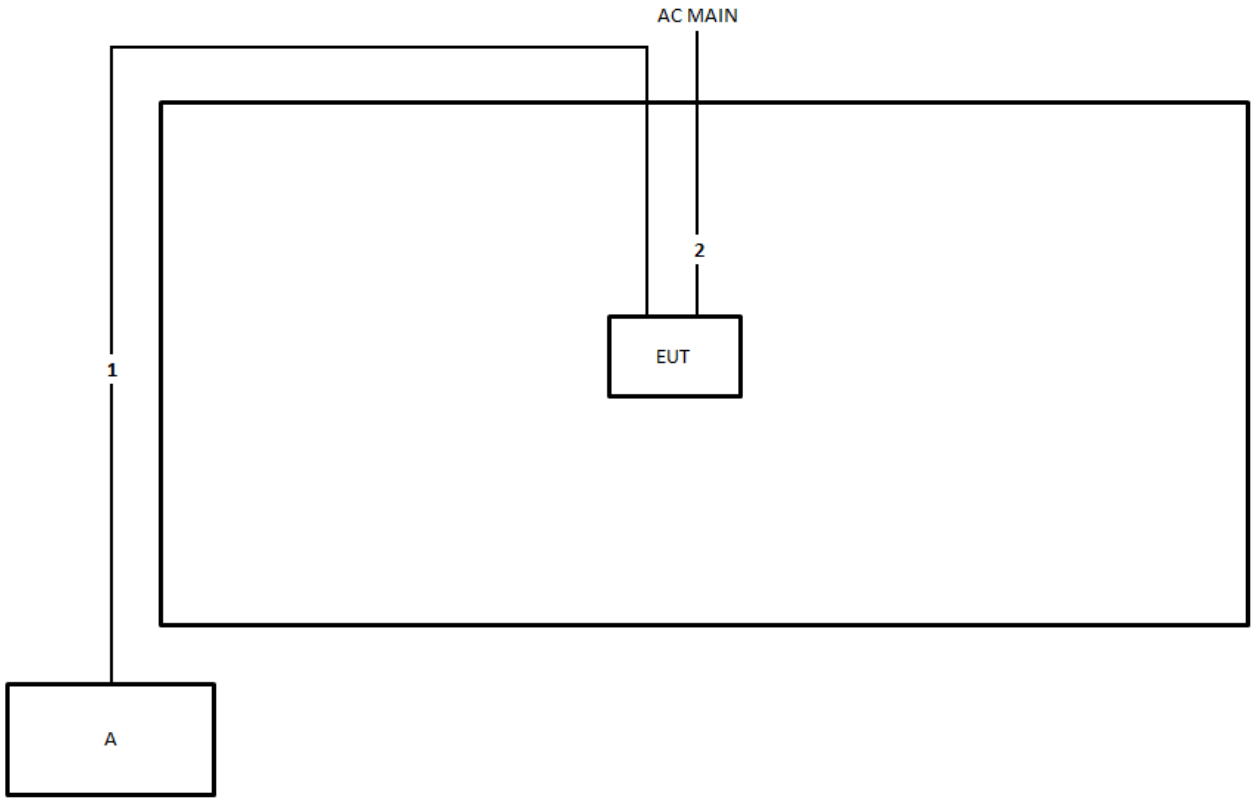
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



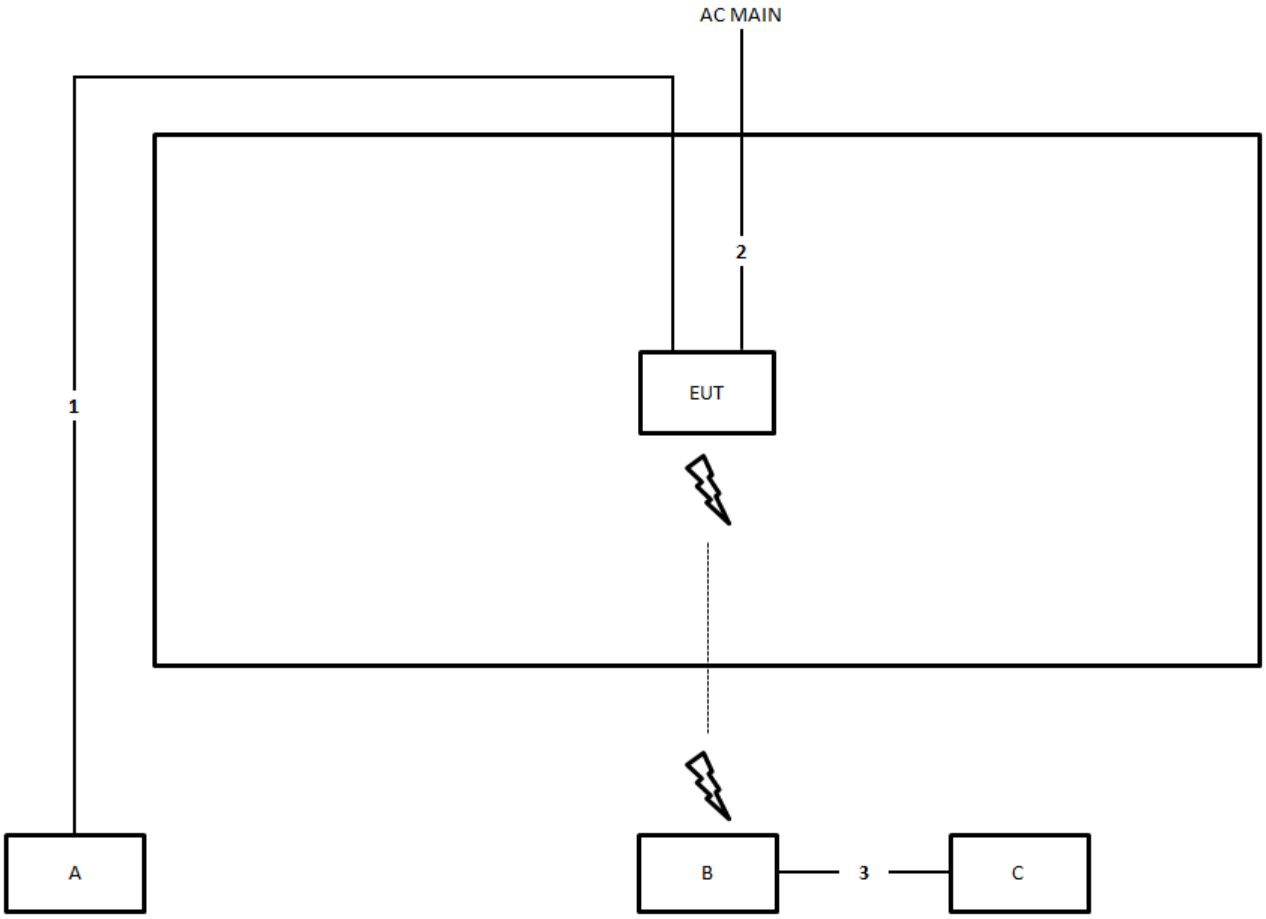
Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	10m
3	Power cable	No	1.5m
4	RJ-45 cable	No	1m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / For non-beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / For beamforming mode



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.5m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

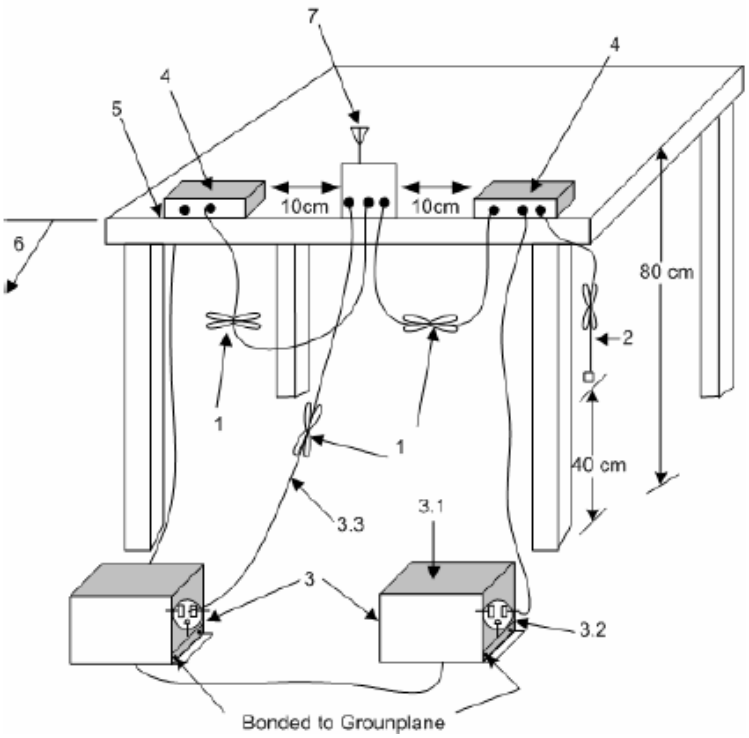
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

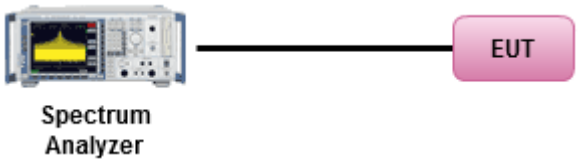
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

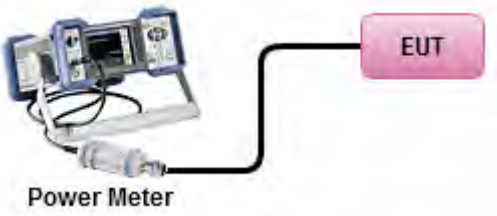
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

3.4.2 Measuring Instruments

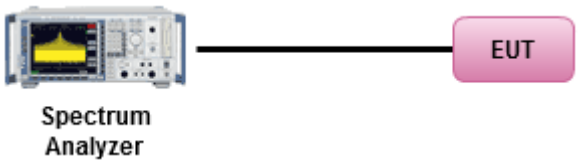
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.2 Method PKPSD.
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
▪ For conducted measurement.	
	▪ If The EUT supports multiple transmit chains using options given below:
	☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
	☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,

		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

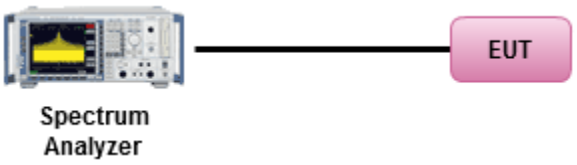
3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

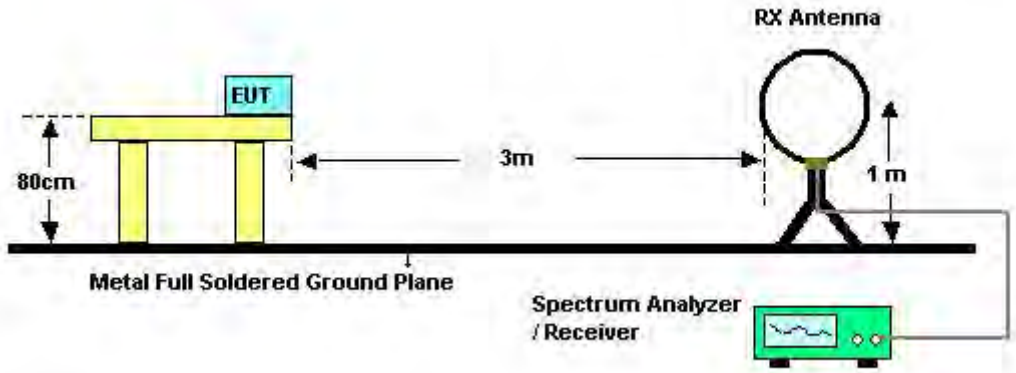
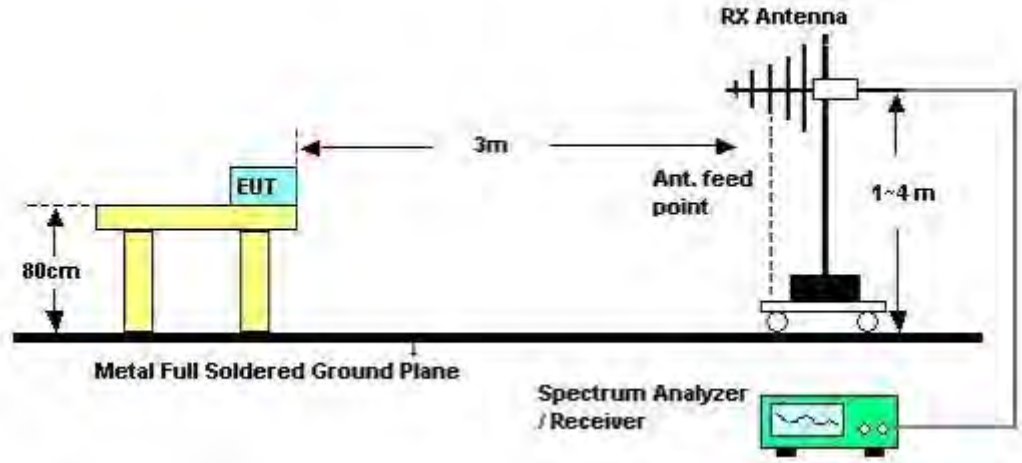
3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

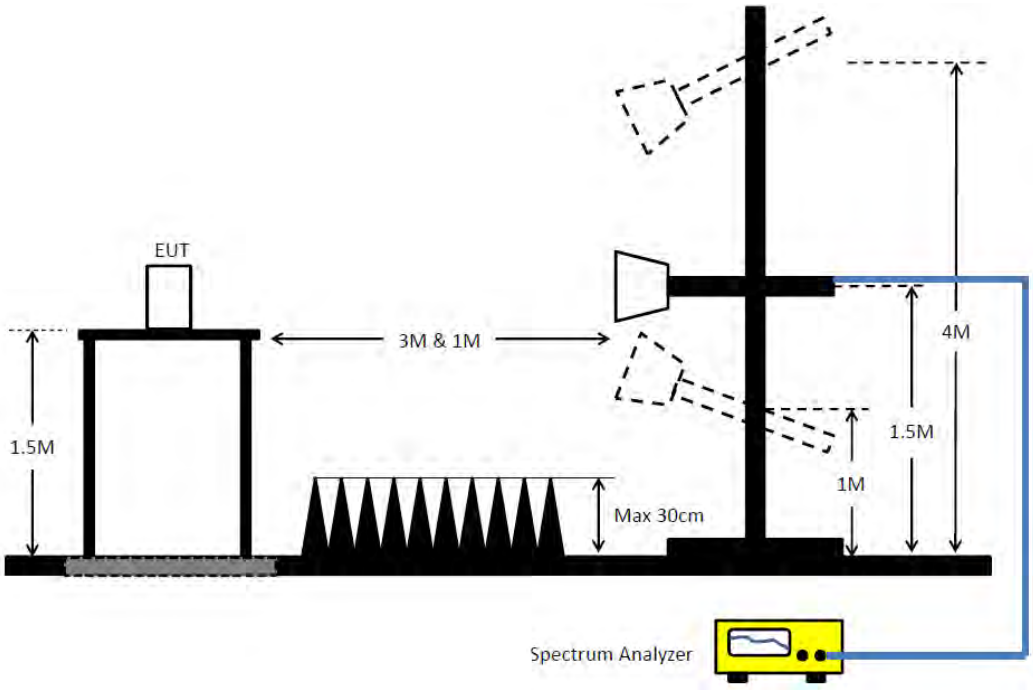
3.6.3 Test Procedures

Test Method		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒ Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.	
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.	
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).	
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB	
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.	

3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.6.5 Emissions in Restricted Frequency Bands (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

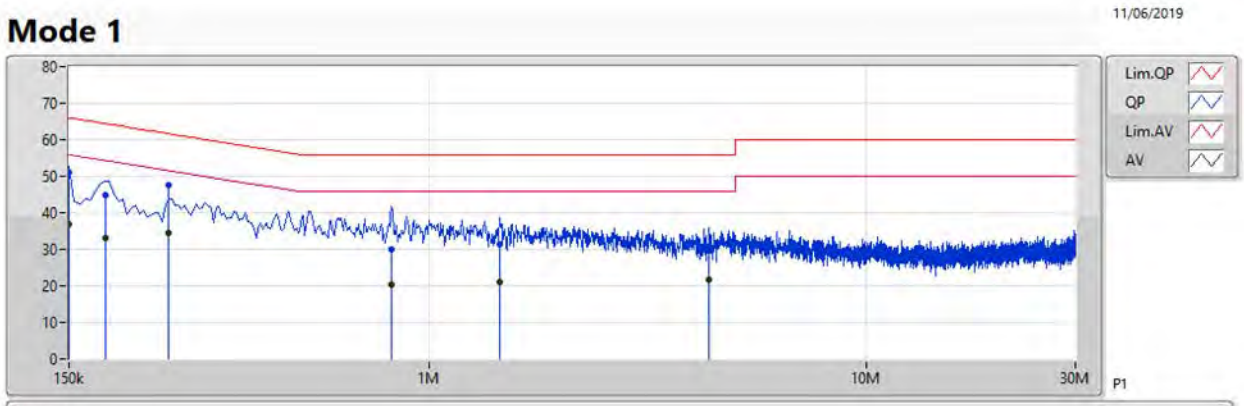
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & Woken	CBL6112B & N-6-06	22021&AT-N0607	30MHz ~ 1GHz	Oct. 12, 2018	Oct. 11, 2019	Radiation (03CH04-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 26, 2018	Oct. 25, 2019	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

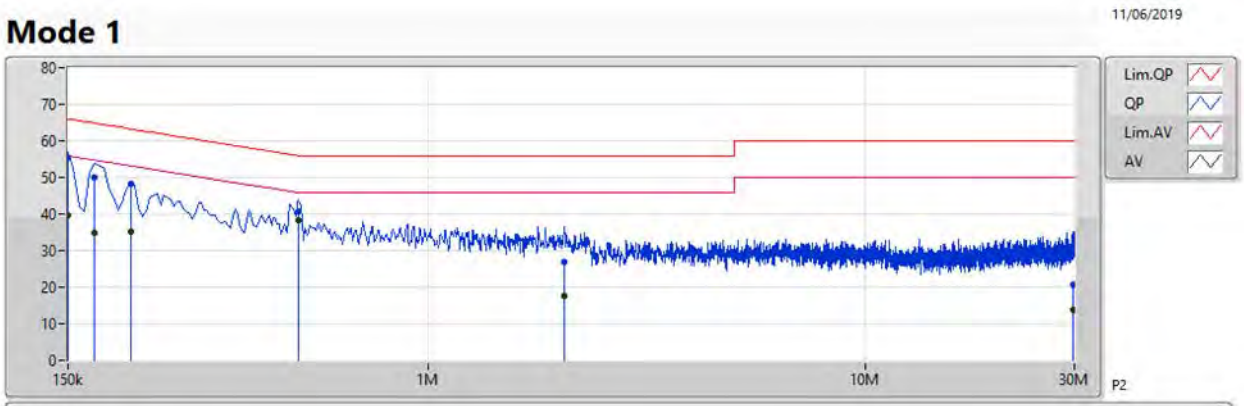
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	51.04	66.00	-14.96	9.90	Line	-	41.14	0.05	0.06	9.79
AV	150k	36.95	56.00	-19.05	9.90	Line	-	27.05	0.05	0.06	9.79
QP	181.5k	44.89	64.41	-19.52	9.91	Line	-	34.98	0.06	0.06	9.79
AV	181.5k	33.10	54.41	-21.31	9.91	Line	-	23.19	0.06	0.06	9.79
QP	253.5k	47.67	61.64	-13.97	9.92	Line	"Worst"	37.75	0.06	0.06	9.80
AV	253.5k	34.48	51.64	-17.16	9.92	Line	-	24.56	0.06	0.06	9.80
QP	820.5k	29.84	56.00	-26.16	9.97	Line	-	19.87	0.07	0.08	9.82
AV	820.5k	20.44	46.00	-25.56	9.97	Line	-	10.47	0.07	0.08	9.82
QP	1.446M	31.52	56.00	-24.48	10.02	Line	-	21.50	0.08	0.11	9.83
AV	1.446M	21.09	46.00	-24.91	10.02	Line	-	11.07	0.08	0.11	9.83
QP	4.362M	29.65	56.00	-26.35	10.13	Line	-	19.52	0.13	0.18	9.82
AV	4.362M	21.87	46.00	-24.13	10.13	Line	-	11.74	0.13	0.18	9.82

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	55.58	66.00	-10.42	9.89	Neutral	-	45.69	0.04	0.06	9.79
AV	150k	39.78	56.00	-16.22	9.89	Neutral	-	29.89	0.04	0.06	9.79
QP	172.5k	49.96	64.83	-14.87	9.89	Neutral	-	40.07	0.04	0.06	9.79
AV	172.5k	34.97	54.83	-19.86	9.89	Neutral	-	25.08	0.04	0.06	9.79
QP	208.5k	48.20	63.27	-15.07	9.89	Neutral	-	38.31	0.04	0.06	9.79
AV	208.5k	35.26	53.27	-18.01	9.89	Neutral	-	25.37	0.04	0.06	9.79
QP	505.5k	40.68	56.00	-15.32	9.93	Neutral	-	30.75	0.05	0.07	9.81
AV	505.5k	38.38	46.00	-7.62	9.93	Neutral	"Worst"	28.45	0.05	0.07	9.81
QP	2.04M	26.81	56.00	-29.19	10.02	Neutral	-	16.79	0.07	0.12	9.83
AV	2.04M	17.71	46.00	-28.29	10.02	Neutral	-	7.69	0.07	0.12	9.83
QP	29.837M	20.78	60.00	-39.22	10.74	Neutral	-	10.04	0.38	0.31	10.05
AV	29.837M	13.92	50.00	-36.08	10.74	Neutral	-	3.18	0.38	0.31	10.05

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

For non-beamforming mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	8.05M	12.95M	12M9G1D	7.05M	12.825M
802.11g_Nss1,(6Mbps)_4TX	16.35M	16.525M	16M5D1D	15.775M	16.4M
VHT20_Nss1,(MCS0)_4TX	17.575M	17.7M	17M7D1D	16.8M	17.625M
VHT40_Nss1,(MCS0)_4TX	36.35M	36.5M	36M5D1D	34.9M	36.35M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.9M	18.975M	19M0D1D	18.475M	18.95M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.05M	38.1M	38M1D1D	37.1M	38M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	12.9M	8.05M	12.825M	7.5M	12.95M	7.075M	12.925M
2437MHz	Pass	500k	7.525M	12.925M	7.575M	12.925M	7.075M	12.9M	7.05M	12.925M
2462MHz	Pass	500k	7.55M	12.9M	7.55M	12.95M	7.55M	12.925M	7.075M	12.925M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.5M	16.25M	16.425M	16.3M	16.45M	16.3M	16.4M
2437MHz	Pass	500k	16.025M	16.475M	16.325M	16.475M	16.275M	16.525M	16.275M	16.45M
2462MHz	Pass	500k	15.775M	16.425M	15.9M	16.425M	16.325M	16.475M	16.35M	16.5M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.8M	17.65M	17.525M	17.675M	17.525M	17.675M	17.55M	17.625M
2437MHz	Pass	500k	16.8M	17.625M	17.55M	17.625M	17.1M	17.675M	17.5M	17.675M
2462MHz	Pass	500k	17.175M	17.675M	17.175M	17.65M	17.3M	17.65M	17.575M	17.7M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.4M	36.35M	35.9M	36.5M	35.9M	36.35M	36.35M	36.45M
2437MHz	Pass	500k	36.3M	36.4M	36.3M	36.5M	36M	36.5M	36.25M	36.45M
2452MHz	Pass	500k	35.9M	36.4M	36.3M	36.4M	34.9M	36.35M	36.25M	36.5M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.875M	18.95M	18.9M	18.95M	18.825M	18.975M	18.875M	18.975M
2437MHz	Pass	500k	18.475M	18.975M	18.6M	18.95M	18.85M	18.95M	18.575M	18.975M
2462MHz	Pass	500k	18.8M	18.95M	18.8M	18.975M	18.775M	18.975M	18.85M	18.95M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.95M	38.1M	37.55M	38.1M	37.6M	38M	37.55M	38.1M
2437MHz	Pass	500k	37.1M	38M	37.45M	38M	37.2M	38.1M	37.65M	38.05M
2452MHz	Pass	500k	38.05M	38.1M	37.45M	38.1M	37.85M	38.05M	37.95M	38M

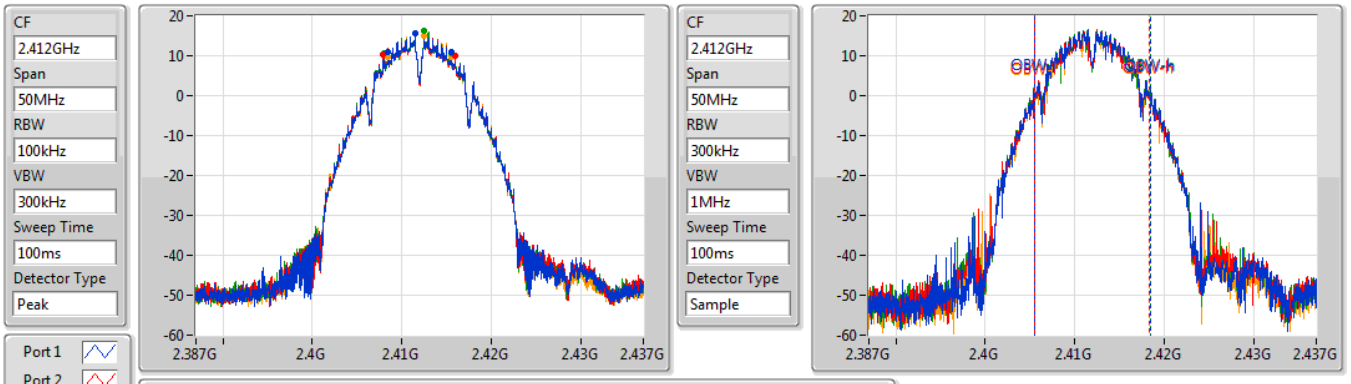
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

04/06/2019



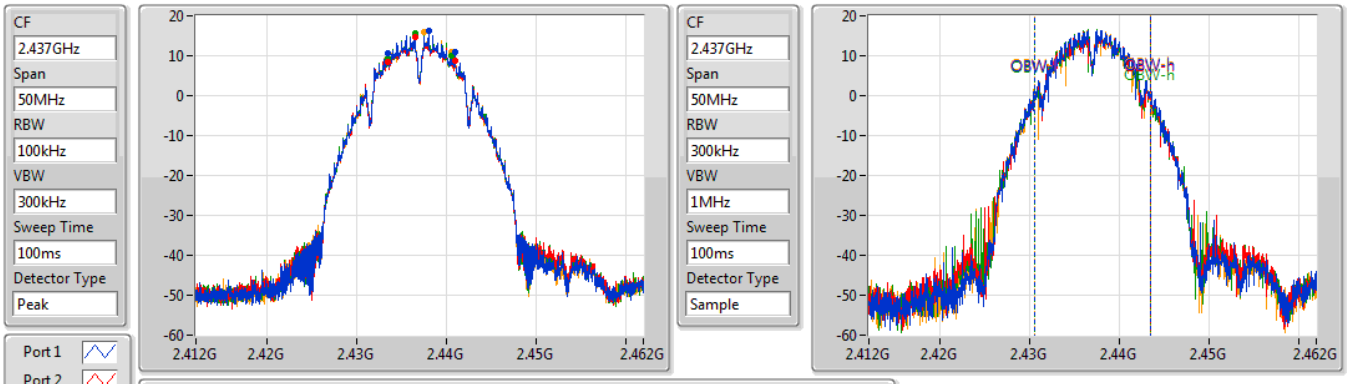
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.40845G	2.4155G	12.9M	2.405525G	2.418425G	500k	1
8.05M	2.40795G	2.416G	12.825M	2.405575G	2.4184G	500k	2
7.5M	2.408G	2.4155G	12.95M	2.4055G	2.41845G	500k	3
7.075M	2.408425G	2.4155G	12.925M	2.405475G	2.4184G	500k	4

802.11b_Nss1,(1Mbps)_4TX

EBW

2437MHz

04/06/2019



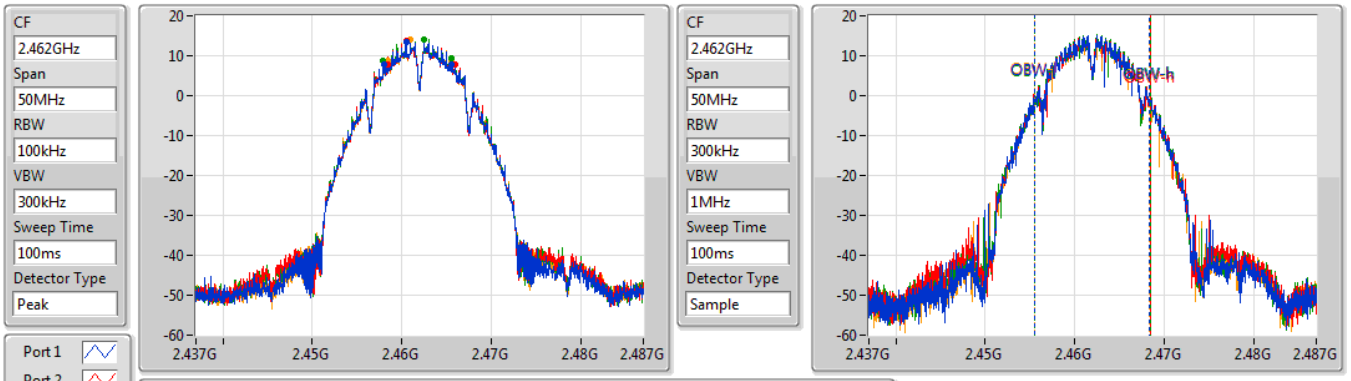
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.433475G	2.441G	12.925M	2.43055G	2.443475G	500k	1
7.575M	2.433425G	2.441G	12.925M	2.430525G	2.44345G	500k	2
7.075M	2.43345G	2.440525G	12.9M	2.430525G	2.443425G	500k	3
7.05M	2.433475G	2.440525G	12.925M	2.430525G	2.44345G	500k	4

802.11b_Nss1,(1Mbps)_4TX

EBW

2462MHz

04/06/2019



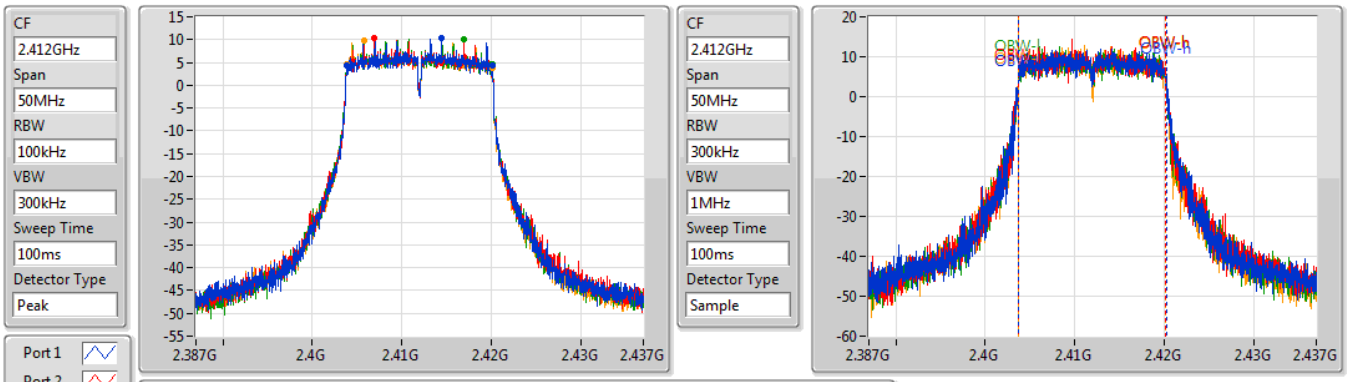
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.457975G	2.465525G	12.9M	2.4555G	2.4684G	500k	1
7.55M	2.45845G	2.466G	12.95M	2.455475G	2.468425G	500k	2
7.55M	2.45795G	2.4655G	12.925M	2.4555G	2.468425G	500k	3
7.075M	2.45845G	2.465525G	12.925M	2.455475G	2.4684G	500k	4

802.11g_Nss1,(6Mbps)_4TX

EBW

2412MHz

04/06/2019



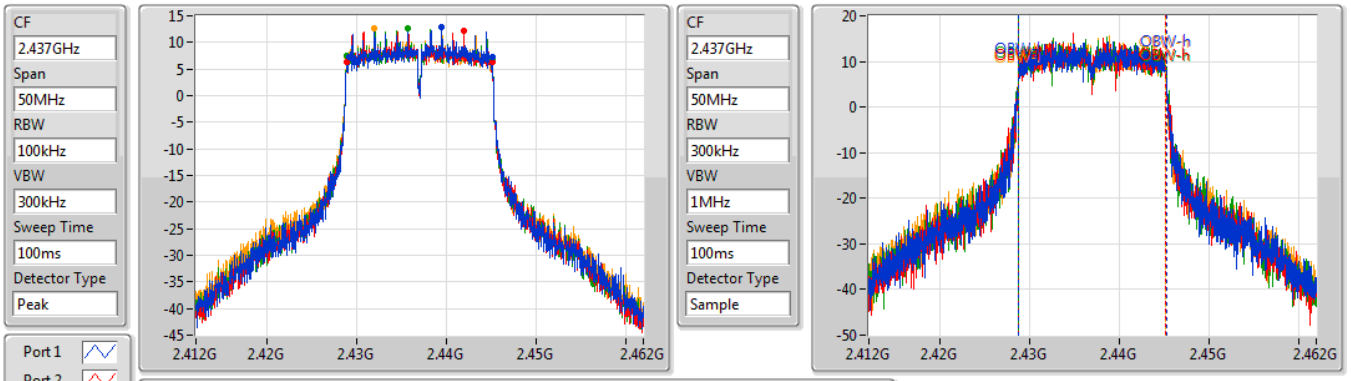
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403825G	2.420125G	16.5M	2.403725G	2.420225G	500k	1
16.25M	2.40385G	2.4201G	16.425M	2.40375G	2.420175G	500k	2
16.3M	2.403825G	2.420125G	16.45M	2.40375G	2.4202G	500k	3
16.3M	2.403825G	2.420125G	16.4M	2.403725G	2.420125G	500k	4

802.11g_Nss1,(6Mbps)_4TX

EBW

2437MHz

04/06/2019



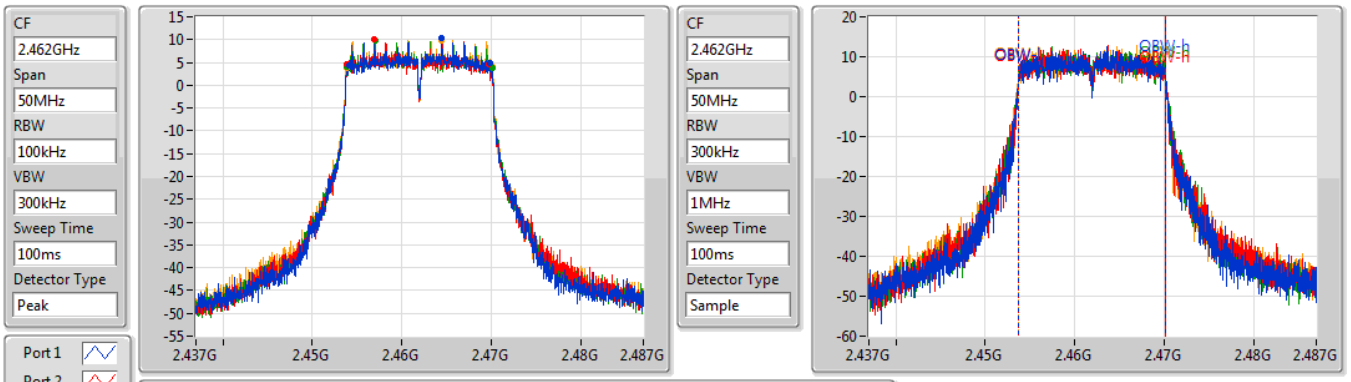
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.4291G	2.445125G	16.475M	2.42875G	2.445225G	500k	1
16.325M	2.428825G	2.44515G	16.475M	2.428725G	2.4452G	500k	2
16.275M	2.42885G	2.445125G	16.525M	2.428725G	2.44525G	500k	3
16.275M	2.42885G	2.445125G	16.45M	2.428725G	2.445175G	500k	4

802.11g_Nss1,(6Mbps)_4TX

EBW

2462MHz

04/06/2019



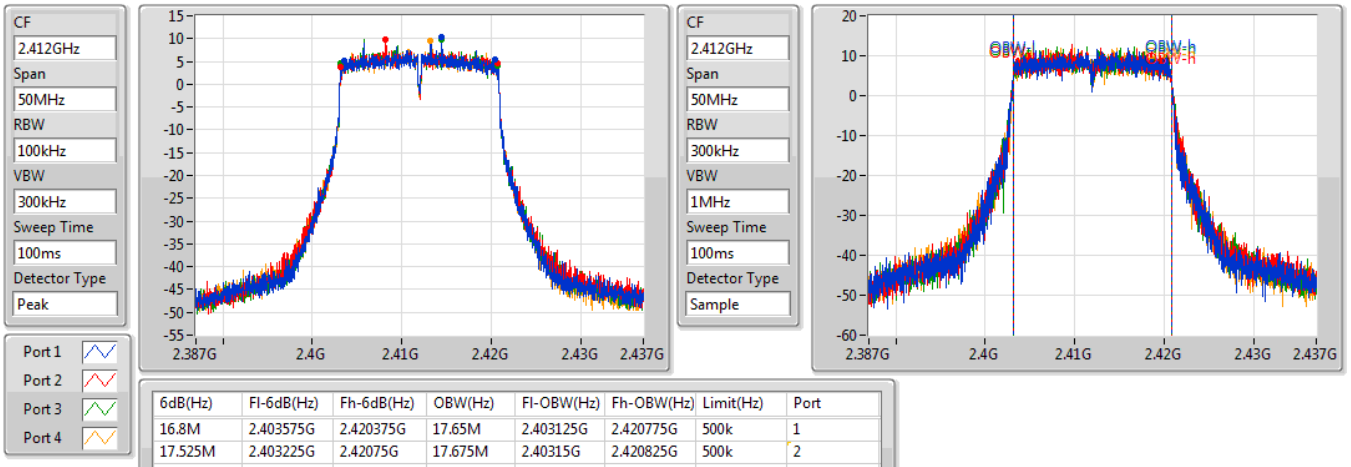
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.775M	2.454075G	2.46985G	16.425M	2.45375G	2.470175G	500k	1
15.9M	2.45385G	2.46975G	16.425M	2.45375G	2.470175G	500k	2
16.325M	2.453825G	2.47015G	16.475M	2.453725G	2.4702G	500k	3
16.35M	2.4538G	2.47015G	16.5M	2.4537G	2.4702G	500k	4

VHT20_Nss1,(MCS0)_4TX

EBW

2412MHz

05/06/2019



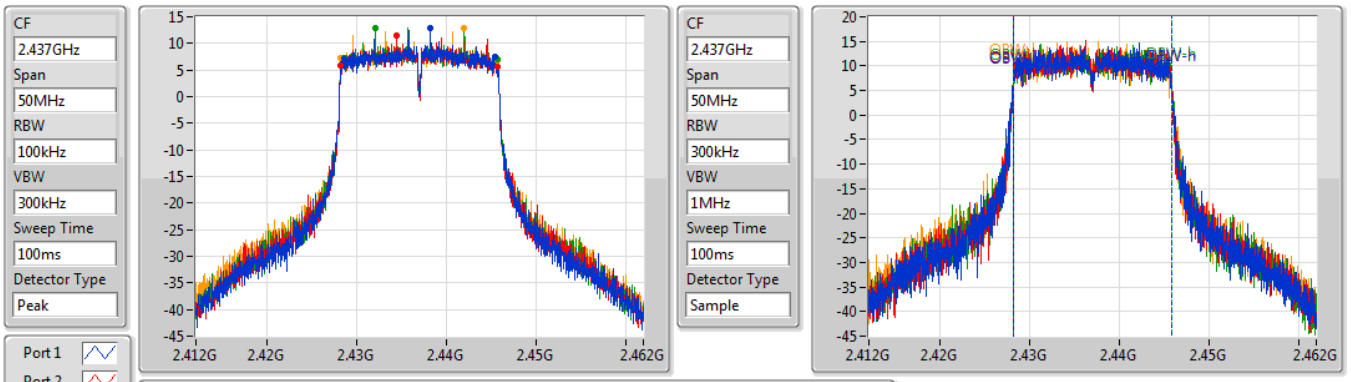
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.8M	2.403575G	2.420375G	17.65M	2.403125G	2.420775G	500k	1
17.525M	2.403225G	2.42075G	17.675M	2.40315G	2.420825G	500k	2
17.525M	2.403225G	2.42075G	17.675M	2.403125G	2.4208G	500k	3
17.55M	2.4032G	2.42075G	17.625M	2.403175G	2.4208G	500k	4

VHT20_Nss1,(MCS0)_4TX

EBW

2437MHz

05/06/2019



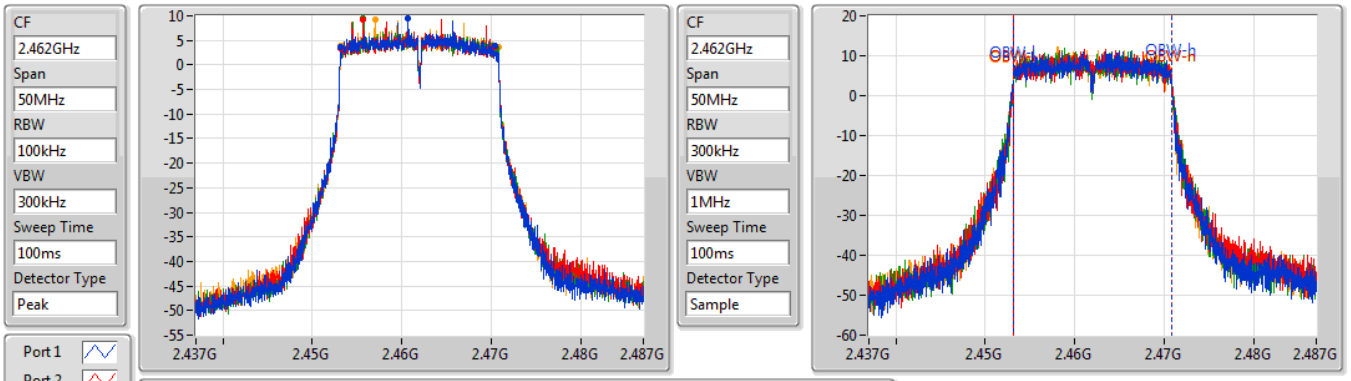
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.8M	2.428575G	2.445375G	17.625M	2.42815G	2.445775G	500k	1
17.55M	2.4282G	2.44575G	17.625M	2.428175G	2.4458G	500k	2
17.1M	2.428625G	2.445725G	17.675M	2.42815G	2.445825G	500k	3
17.5M	2.428225G	2.445725G	17.675M	2.428125G	2.4458G	500k	4

VHT20_Nss1,(MCS0)_4TX

EBW

2462MHz

05/06/2019



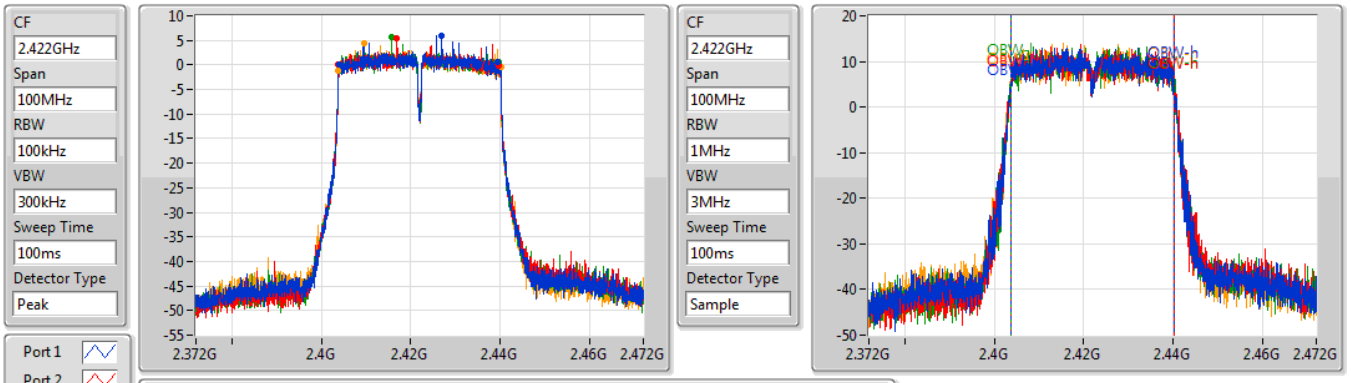
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.175M	2.4532G	2.470375G	17.675M	2.453125G	2.4708G	500k	1
17.175M	2.4532G	2.470375G	17.65M	2.45315G	2.4708G	500k	2
17.3M	2.4532G	2.4705G	17.65M	2.45315G	2.4708G	500k	3
17.575M	2.4532G	2.470775G	17.7M	2.4531G	2.4708G	500k	4

VHT40_Nss1,(MCS0)_4TX

EBW

2422MHz

05/06/2019



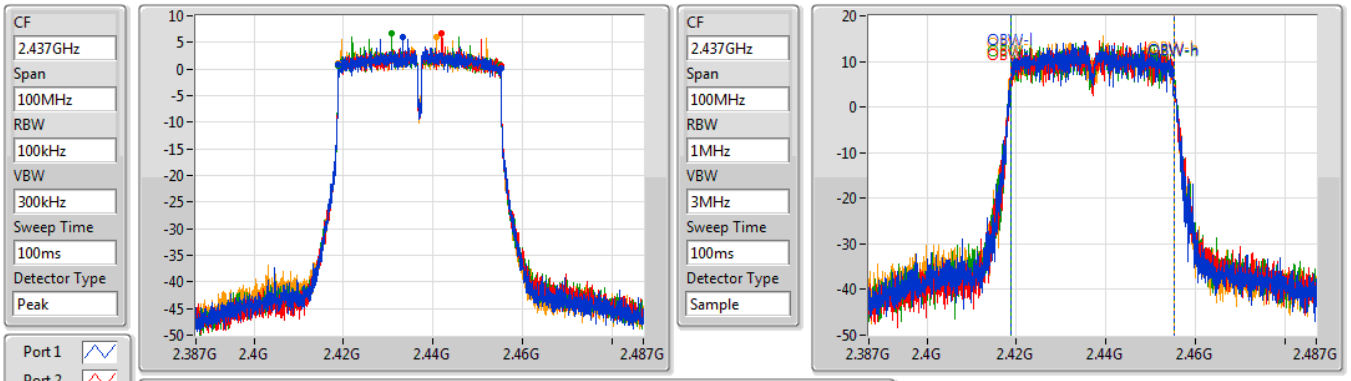
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.4M	2.4041G	2.4395G	36.35M	2.4038G	2.44015G	500k	1
35.9M	2.40385G	2.43975G	36.5M	2.40375G	2.44025G	500k	2
35.9M	2.40385G	2.43975G	36.35M	2.4038G	2.44015G	500k	3
36.35M	2.4038G	2.44015G	36.45M	2.4037G	2.44015G	500k	4

VHT40_Nss1,(MCS0)_4TX

EBW

2437MHz

05/06/2019



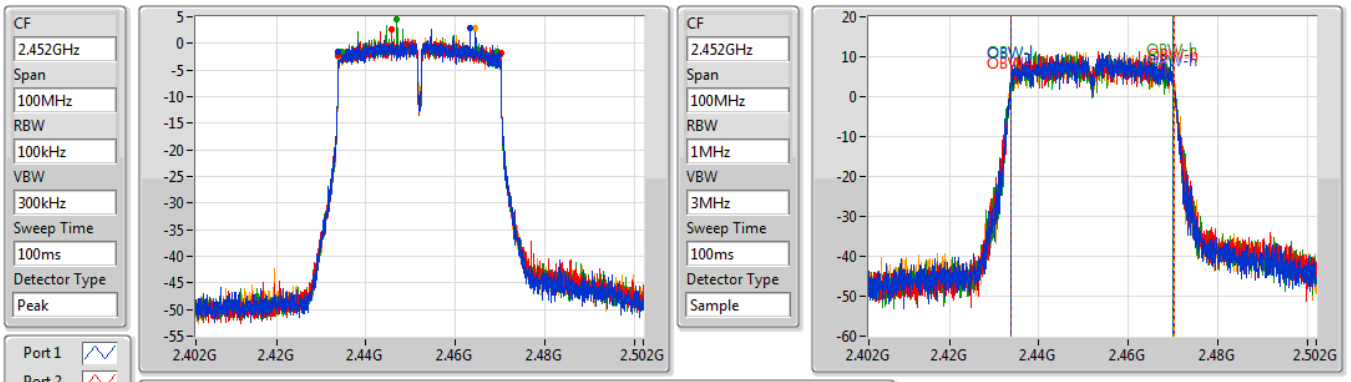
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.41885G	2.45515G	36.4M	2.41875G	2.45515G	500k	1
36.3M	2.41885G	2.45515G	36.5M	2.41875G	2.45525G	500k	2
36M	2.41885G	2.45485G	36.5M	2.41875G	2.45525G	500k	3
36.25M	2.41885G	2.4551G	36.45M	2.4187G	2.45515G	500k	4

VHT40_Nss1,(MCS0)_4TX

EBW

2452MHz

05/06/2019



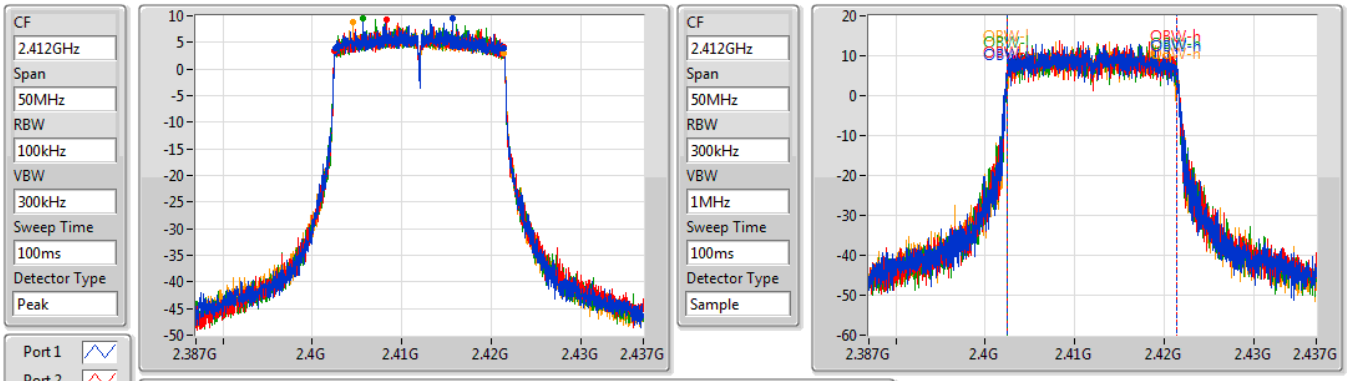
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.9M	2.43385G	2.46975G	36.4M	2.4337G	2.4701G	500k	1
36.3M	2.43385G	2.47015G	36.4M	2.43375G	2.47015G	500k	2
34.9M	2.4345G	2.4694G	36.35M	2.43375G	2.4701G	500k	3
36.25M	2.43385G	2.4701G	36.5M	2.4337G	2.4702G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2412MHz

04/06/2019



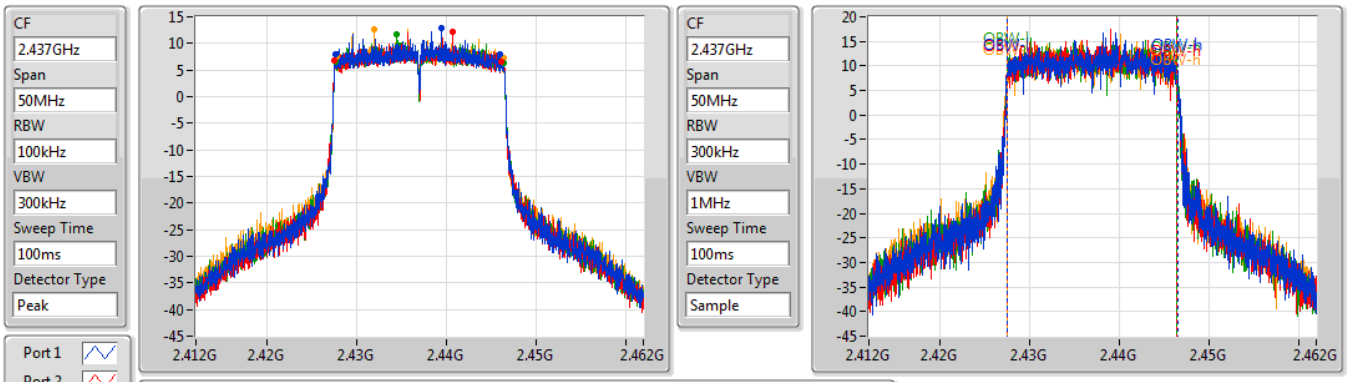
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.402575G	2.42145G	18.95M	2.402475G	2.421425G	500k	1
18.9M	2.402525G	2.421425G	18.95M	2.4025G	2.42145G	500k	2
18.825M	2.40255G	2.421375G	18.975M	2.402475G	2.42145G	500k	3
18.875M	2.4025G	2.421375G	18.975M	2.402475G	2.42145G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2437MHz

04/06/2019



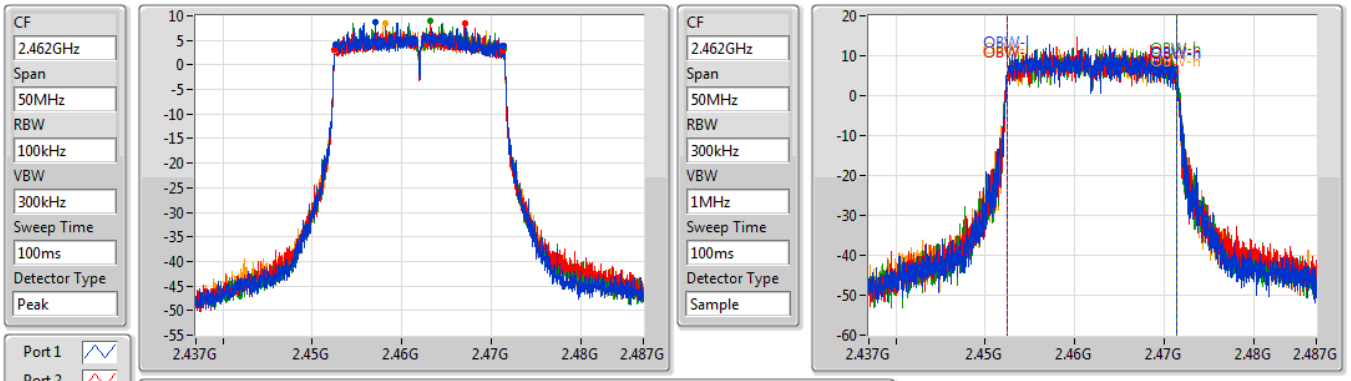
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.475M	2.427575G	2.44605G	18.975M	2.4275G	2.446475G	500k	1
18.6M	2.427525G	2.446125G	18.95M	2.4275G	2.44645G	500k	2
18.85M	2.42755G	2.4464G	18.95M	2.427475G	2.446425G	500k	3
18.575M	2.4278G	2.446375G	18.975M	2.427475G	2.44645G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

2462MHz

04/06/2019



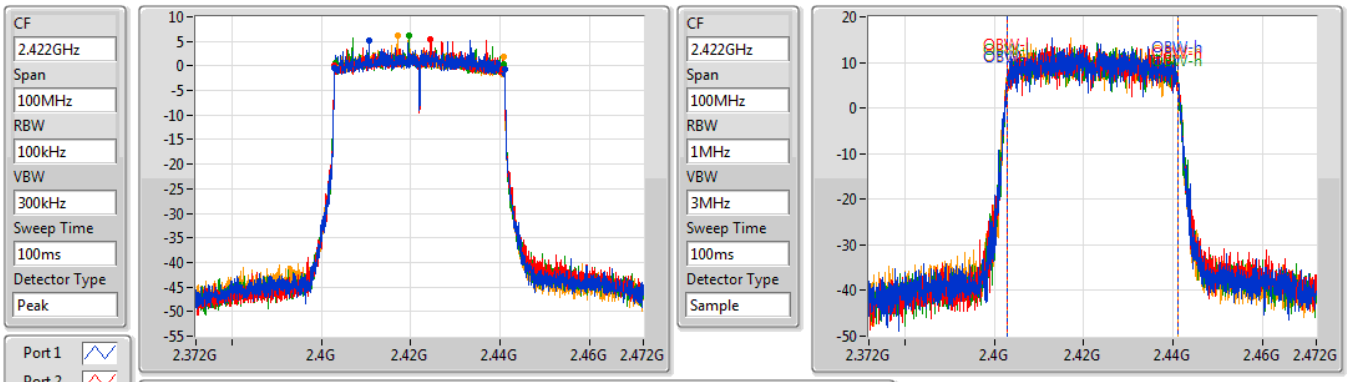
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.8M	2.452575G	2.471375G	18.95M	2.45245G	2.4714G	500k	1
18.8M	2.452525G	2.471325G	18.975M	2.452475G	2.47145G	500k	2
18.775M	2.4526G	2.471375G	18.975M	2.452475G	2.47145G	500k	3
18.85M	2.4525G	2.47135G	18.95M	2.452475G	2.471425G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2422MHz

04/06/2019



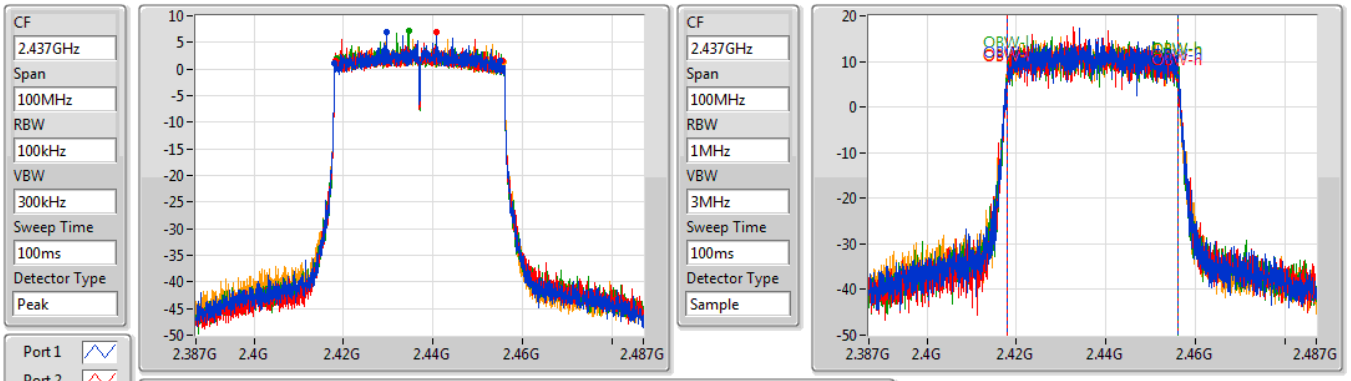
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.95M	2.403G	2.44095G	38.1M	2.4029G	2.441G	500k	1
37.55M	2.403G	2.44055G	38.1M	2.4029G	2.441G	500k	2
37.6M	2.40315G	2.44075G	38M	2.40295G	2.44095G	500k	3
37.55M	2.4032G	2.44075G	38.1M	2.4029G	2.441G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2437MHz

04/06/2019



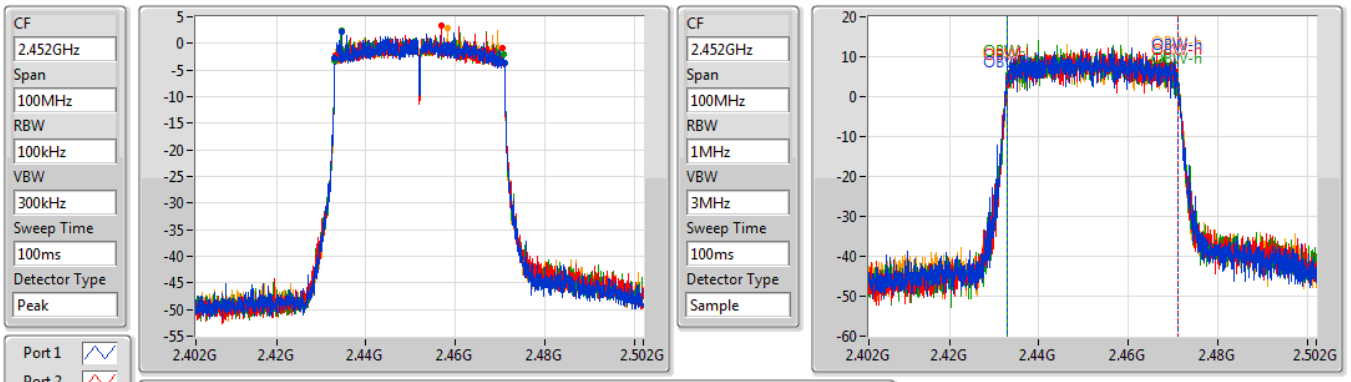
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.1M	2.418G	2.4551G	38M	2.418G	2.456G	500k	1
37.45M	2.41815G	2.4556G	38M	2.41795G	2.45595G	500k	2
37.2M	2.41835G	2.45555G	38.1M	2.41795G	2.45605G	500k	3
37.65M	2.4181G	2.45575G	38.05M	2.4179G	2.45595G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

2452MHz

04/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.05M	2.43295G	2.471G	38.1M	2.4329G	2.471G	500k	1
37.45M	2.43315G	2.4706G	38.1M	2.4329G	2.471G	500k	2
37.85M	2.433G	2.47085G	38.05M	2.4329G	2.47095G	500k	3
37.95M	2.43295G	2.4709G	38M	2.43295G	2.47095G	500k	4

For beamforming mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.725M	18.941M	18M9D1D	15.025M	18.866M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.75M	37.731M	37M7D1D	15.3M	37.631M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.2M	18.866M	18.725M	18.891M	17.65M	18.891M	15.025M	18.891M
2437MHz	Pass	500k	17.875M	18.891M	16.325M	18.891M	17.075M	18.916M	15.85M	18.941M
2462MHz	Pass	500k	18.1M	18.916M	18.2M	18.916M	15.05M	18.891M	17.45M	18.891M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	32.55M	37.731M	15.3M	37.631M	35.05M	37.731M	37.75M	37.731M
2437MHz	Pass	500k	31.35M	37.681M	35.1M	37.731M	35.7M	37.681M	33.8M	37.681M
2452MHz	Pass	500k	35.05M	37.731M	37.45M	37.731M	32.55M	37.631M	32.5M	37.631M

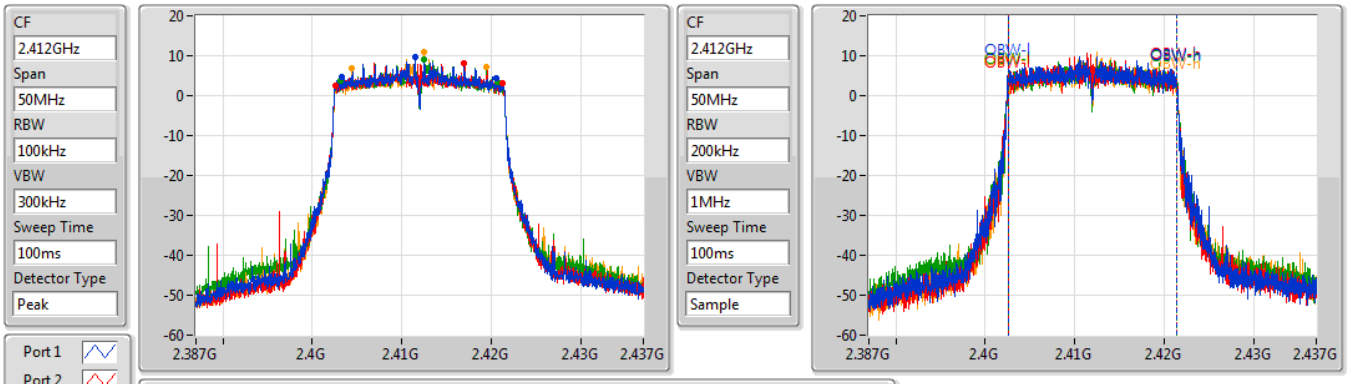
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

2412MHz

14/06/2019



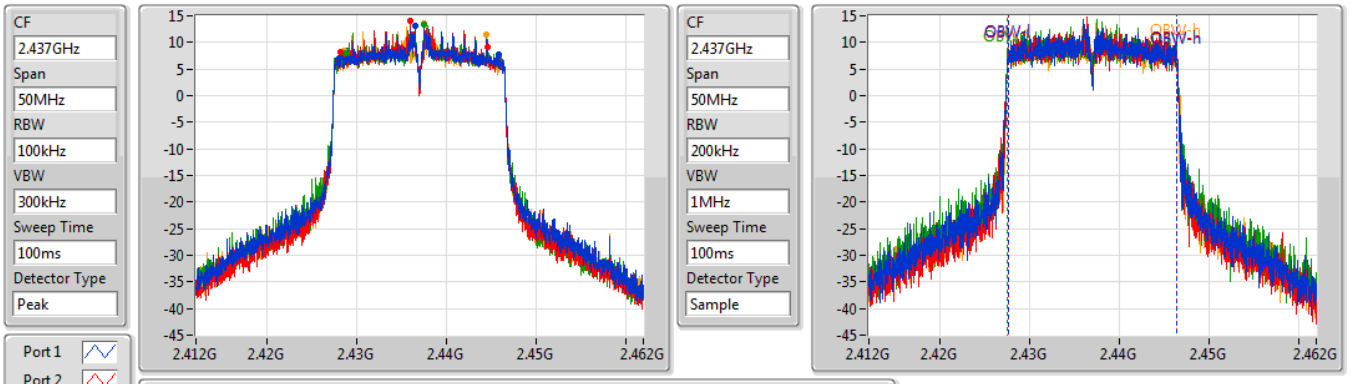
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.2M	2.4033G	2.4205G	18.866M	2.40253G	2.421395G	500k	1
18.725M	2.4026G	2.421325G	18.891M	2.40253G	2.42142G	500k	2
17.65M	2.4031G	2.42075G	18.891M	2.40253G	2.42142G	500k	3
15.025M	2.404475G	2.4195G	18.891M	2.40253G	2.42142G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

14/06/2019



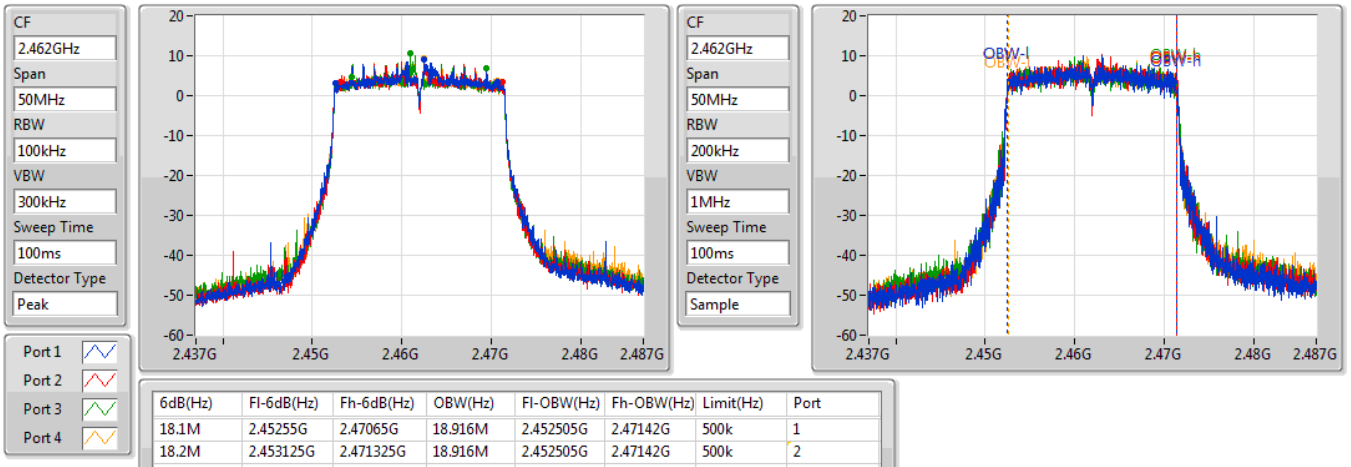
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.875M	2.42795G	2.445825G	18.891M	2.42753G	2.44642G	500k	1
16.325M	2.428225G	2.44455G	18.891M	2.42753G	2.44642G	500k	2
17.075M	2.428725G	2.4458G	18.916M	2.427505G	2.44642G	500k	3
15.85M	2.428625G	2.444475G	18.941M	2.427505G	2.446445G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

2462MHz

14/06/2019



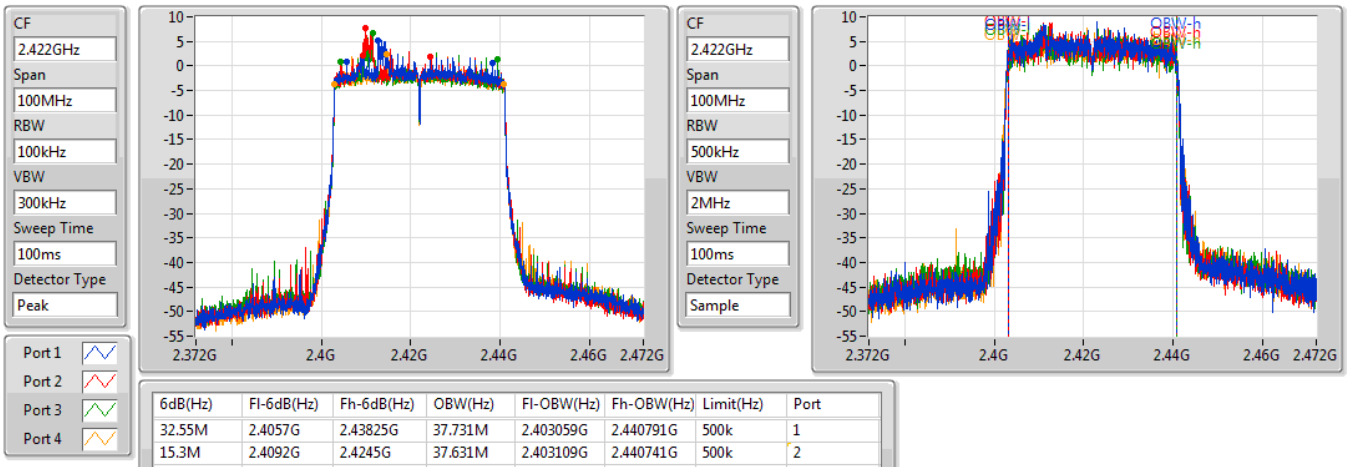
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.1M	2.45255G	2.47065G	18.916M	2.452505G	2.47142G	500k	1
18.2M	2.453125G	2.471325G	18.916M	2.452505G	2.47142G	500k	2
15.05M	2.454425G	2.469475G	18.891M	2.452505G	2.471395G	500k	3
17.45M	2.4532G	2.47065G	18.891M	2.45253G	2.47142G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2422MHz

11/06/2019



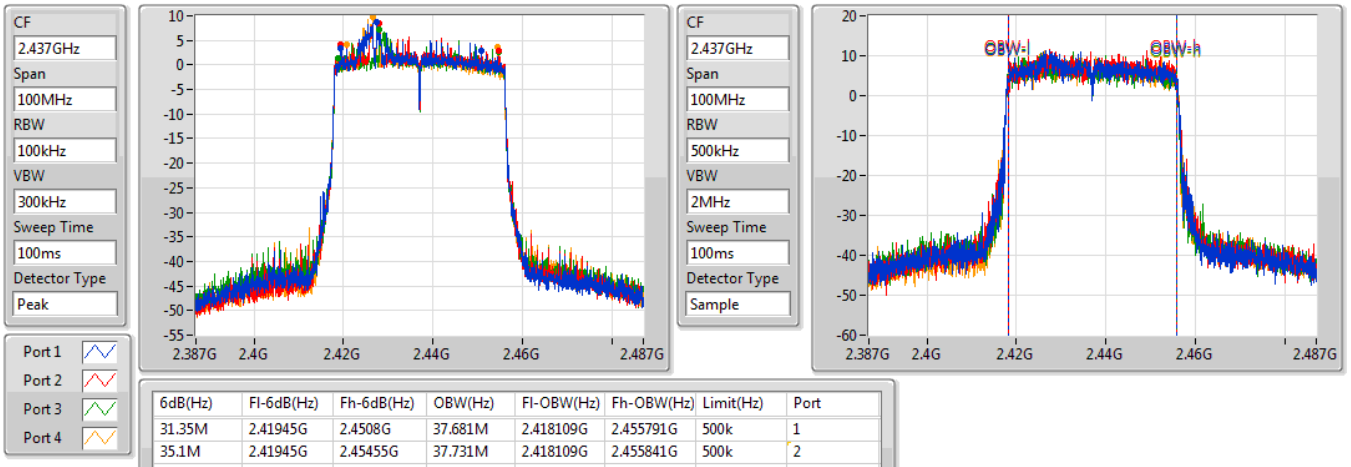
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.4057G	2.43825G	37.731M	2.403059G	2.440791G	500k	1
15.3M	2.4092G	2.4245G	37.631M	2.403109G	2.440741G	500k	2
35.05M	2.40445G	2.4395G	37.731M	2.403059G	2.440791G	500k	3
37.75M	2.403G	2.44075G	37.731M	2.403059G	2.440791G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

14/06/2019



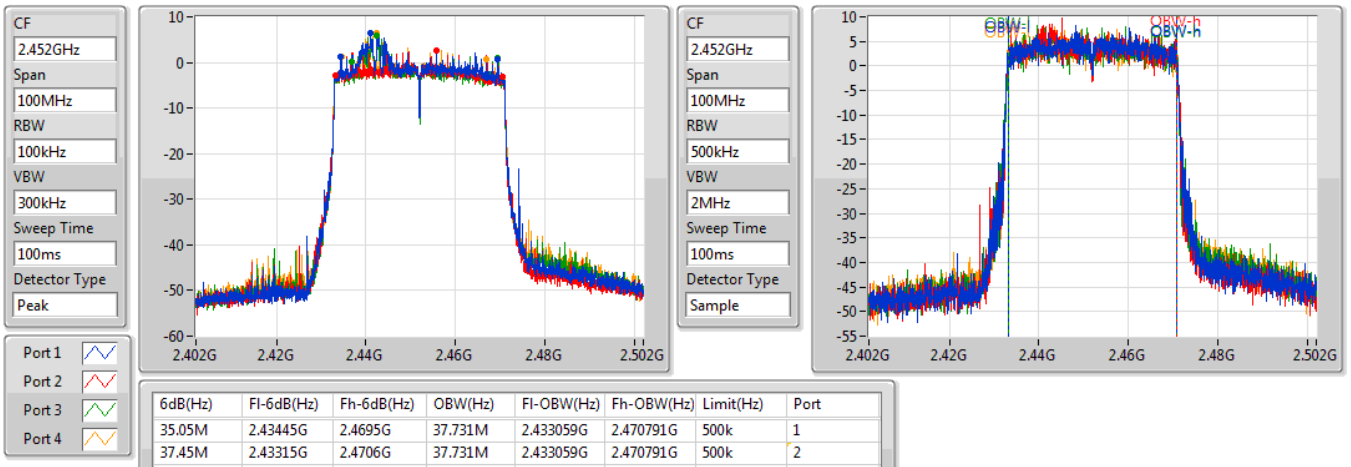
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.35M	2.41945G	2.4508G	37.681M	2.418109G	2.455791G	500k	1
35.1M	2.41945G	2.45455G	37.731M	2.418109G	2.455841G	500k	2
35.7M	2.41885G	2.45455G	37.681M	2.418059G	2.455741G	500k	3
33.8M	2.4207G	2.4545G	37.681M	2.418109G	2.455791G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2452MHz

11/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.43445G	2.4695G	37.731M	2.433059G	2.470791G	500k	1
37.45M	2.43315G	2.4706G	37.731M	2.433059G	2.470791G	500k	2
32.55M	2.43695G	2.4695G	37.631M	2.433159G	2.470791G	500k	3
32.5M	2.4345G	2.467G	37.631M	2.433109G	2.470741G	500k	4

For non-beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.85	0.96605
802.11g_Nss1,(6Mbps)_4TX	29.82	0.95940
VHT20_Nss1,(MCS0)_4TX	29.68	0.92897
VHT40_Nss1,(MCS0)_4TX	26.97	0.49774
802.11ax HEW20_Nss1,(MCS0)_4TX	29.98	0.99541
802.11ax HEW40_Nss1,(MCS0)_4TX	27.17	0.52119

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	23.75	23.82	23.71	23.82	29.80	30.00
2437MHz	Pass	5.45	23.80	23.72	23.81	23.98	29.85	30.00
2457MHz	Pass	5.45	23.56	23.38	23.85	23.48	29.59	30.00
2462MHz	Pass	5.45	22.59	22.51	22.63	22.55	28.59	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	21.48	21.50	21.45	21.32	27.46	30.00
2417MHz	Pass	5.45	22.40	22.39	22.45	22.22	28.39	30.00
2437MHz	Pass	5.45	23.83	23.79	23.73	23.86	29.82	30.00
2457MHz	Pass	5.45	23.67	23.68	23.86	23.82	29.78	30.00
2462MHz	Pass	5.45	21.07	21.26	21.23	21.53	27.30	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	21.35	21.45	21.45	21.11	27.36	30.00
2417MHz	Pass	5.45	22.71	22.89	22.90	22.65	28.81	30.00
2437MHz	Pass	5.45	23.60	23.69	23.68	23.67	29.68	30.00
2457MHz	Pass	5.45	23.00	23.12	23.26	23.24	29.18	30.00
2462MHz	Pass	5.45	20.59	20.66	19.74	20.78	26.48	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.45	19.77	19.96	19.97	19.98	25.94	30.00
2437MHz	Pass	5.45	20.98	20.94	20.93	20.93	26.97	30.00
2447MHz	Pass	5.45	18.34	18.42	18.42	18.09	24.34	30.00
2452MHz	Pass	5.45	17.90	17.92	18.06	17.91	23.97	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	21.60	21.51	21.59	21.48	27.57	30.00
2417MHz	Pass	5.45	23.08	23.08	23.08	22.95	29.07	30.00
2437MHz	Pass	5.45	23.99	23.81	23.98	24.06	29.98	30.00
2457MHz	Pass	5.45	23.34	23.34	23.49	23.51	29.44	30.00
2462MHz	Pass	5.45	21.00	20.94	20.88	21.05	26.99	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.45	20.00	20.13	20.12	19.89	26.06	30.00
2437MHz	Pass	5.45	21.21	21.10	21.10	21.18	27.17	30.00
2447MHz	Pass	5.45	18.57	18.60	18.62	18.67	24.64	30.00
2452MHz	Pass	5.45	17.58	18.05	18.24	18.16	24.04	30.00

DG = Directional Gain; **Port X** = Port X output power

For beamforming mode
Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.38	0.86696
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	25.58	0.36141

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	19.70	19.62	19.33	19.20	25.49	30.00
2417MHz	Pass	5.45	22.55	22.52	22.11	22.20	28.37	30.00
2437MHz	Pass	5.45	23.49	23.50	23.20	23.23	29.38	30.00
2457MHz	Pass	5.45	22.57	22.47	22.15	22.22	28.38	30.00
2462MHz	Pass	5.45	19.54	19.64	19.35	19.42	25.51	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.45	16.87	16.61	16.34	16.45	22.59	30.00
2427MHz	Pass	5.45	19.62	19.47	19.02	19.47	25.42	30.00
2437MHz	Pass	5.45	19.68	19.75	19.34	19.46	25.58	30.00
2447MHz	Pass	5.45	19.61	19.43	19.28	19.41	25.45	30.00
2452MHz	Pass	5.45	16.82	16.67	16.31	16.56	22.61	30.00

DG = Directional Gain; **Port X** = Port X output power

For non-beamforming mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	0.59
802.11g_Nss1,(6Mbps)_4TX	-3.22
VHT20_Nss1,(MCS0)_4TX	-4.69
VHT40_Nss1,(MCS0)_4TX	-10.43
802.11ax HEW20_Nss1,(MCS0)_4TX	-5.34
802.11ax HEW40_Nss1,(MCS0)_4TX	-10.33

RBW=3 kHz.

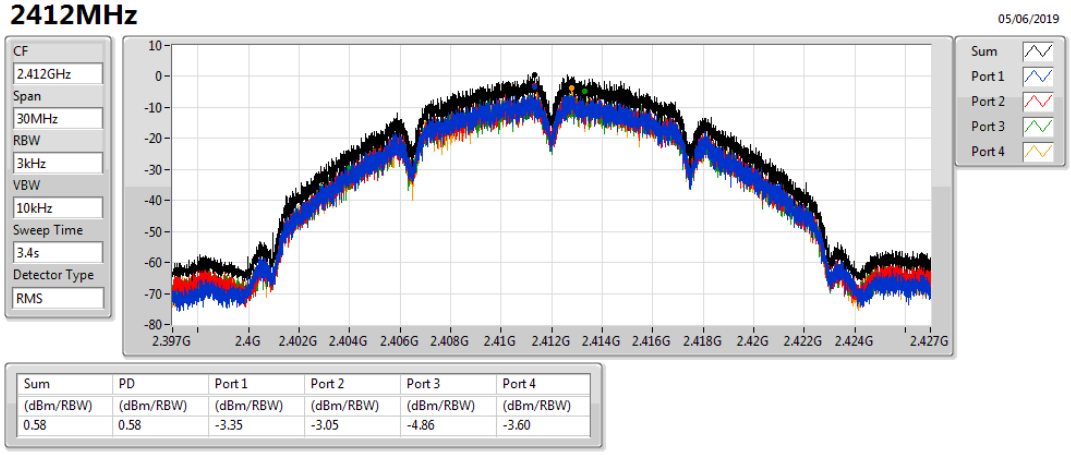
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	-3.35	-3.05	-4.86	-3.60	0.58	8.00
2437MHz	Pass	5.45	-4.39	-4.49	-4.02	-3.60	0.26	8.00
2462MHz	Pass	5.45	-4.08	-4.87	-2.48	-3.04	0.59	8.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	-9.64	-10.57	-10.65	-10.05	-5.01	8.00
2437MHz	Pass	5.45	-8.03	-7.69	-8.36	-7.48	-3.22	8.00
2462MHz	Pass	5.45	-10.43	-10.92	-9.96	-10.52	-5.37	8.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	-11.69	-11.24	-11.72	-11.74	-7.25	8.00
2437MHz	Pass	5.45	-8.21	-8.56	-8.13	-8.86	-4.69	8.00
2462MHz	Pass	5.45	-11.50	-11.38	-11.87	-12.06	-7.84	8.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.45	-15.25	-16.22	-15.60	-15.94	-11.40	8.00
2437MHz	Pass	5.45	-15.43	-15.29	-15.42	-14.88	-10.43	8.00
2452MHz	Pass	5.45	-18.09	-17.84	-18.27	-17.46	-13.01	8.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	-11.47	-11.97	-11.96	-11.59	-7.74	8.00
2437MHz	Pass	5.45	-9.71	-10.29	-9.40	-9.65	-5.34	8.00
2462MHz	Pass	5.45	-12.39	-12.33	-12.96	-11.62	-8.31	8.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.45	-16.68	-17.06	-16.37	-16.28	-12.25	8.00
2437MHz	Pass	5.45	-15.24	-15.98	-15.95	-16.20	-10.33	8.00
2452MHz	Pass	5.45	-19.03	-18.51	-18.70	-18.95	-13.89	8.00

DG = Directional Gain; RBW=3 kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_4TX PSD

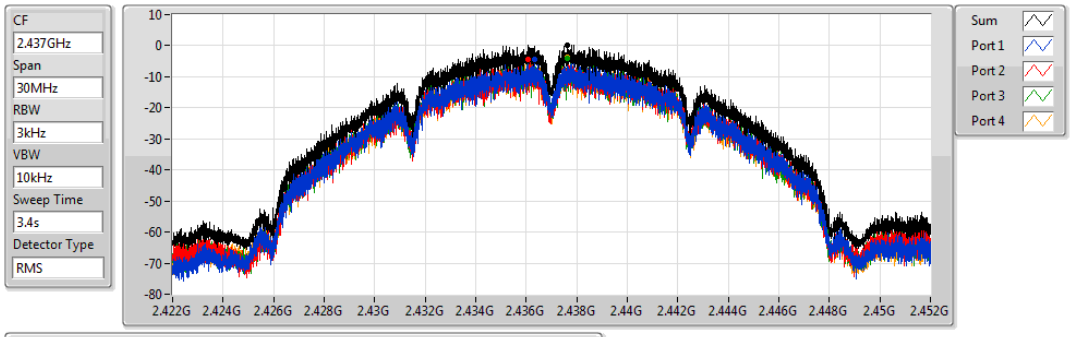
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.58	0.58	-3.35	-3.05	-4.86	-3.60

802.11b_Nss1,(1Mbps)_4TX PSD

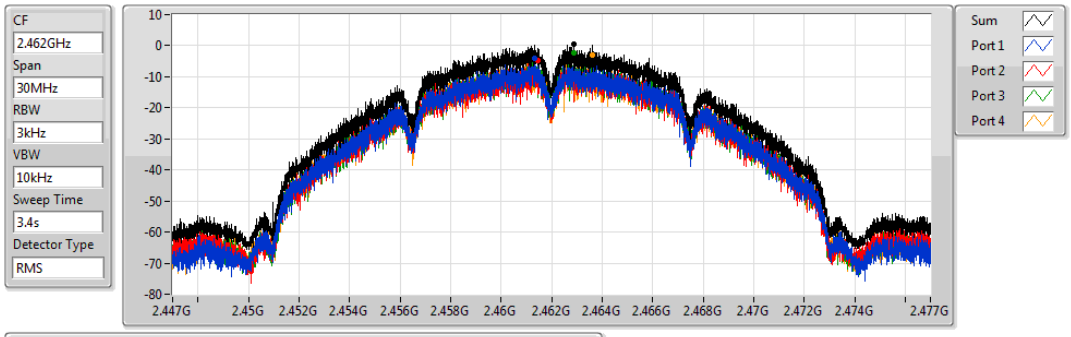
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.26	0.26	-4.39	-4.49	-4.02	-3.60

802.11b_Nss1,(1Mbps)_4TX PSD

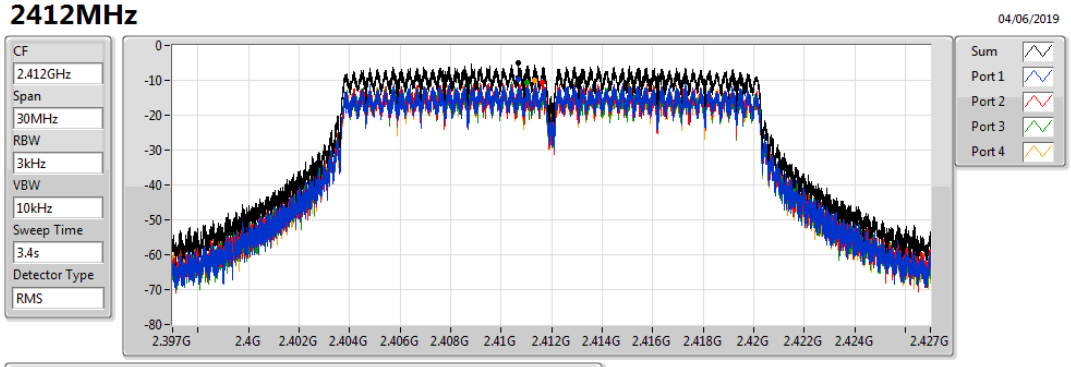
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.59	0.59	-4.08	-4.87	-2.48	-3.04

802.11g_Nss1,(6Mbps)_4TX PSD

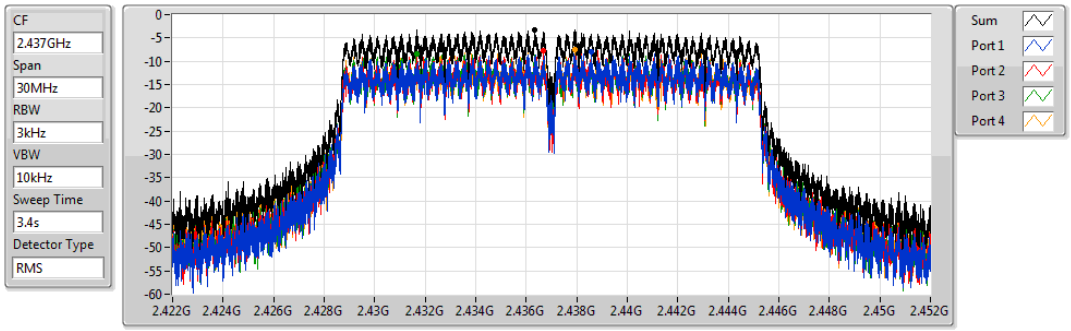
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.01	-5.01	-9.64	-10.57	-10.65	-10.05

802.11g_Nss1,(6Mbps)_4TX PSD

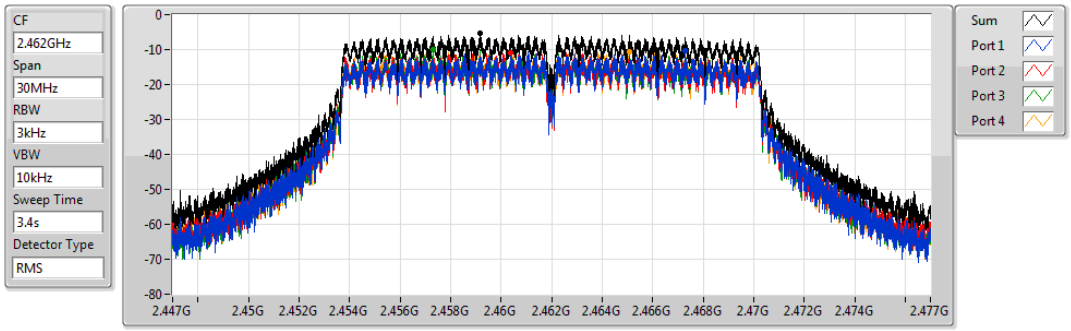
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.22	-3.22	-8.03	-7.69	-8.36	-7.48

802.11g_Nss1,(6Mbps)_4TX PSD

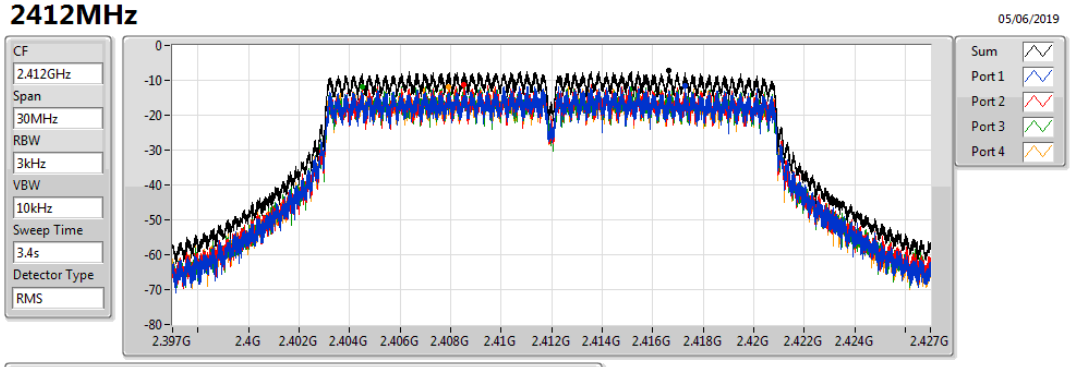
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.37	-5.37	-10.43	-10.92	-9.96	-10.52

VHT20_Nss1,(MCS0)_4TX PSD

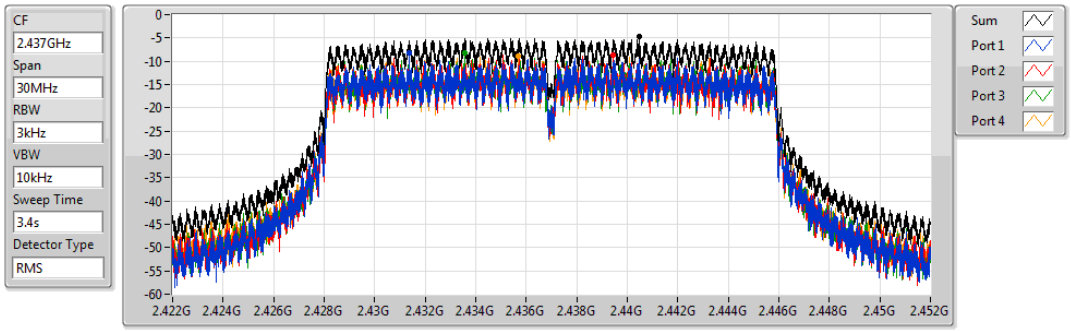
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.25	-7.25	-11.69	-11.24	-11.72	-11.74

VHT20_Nss1,(MCS0)_4TX PSD

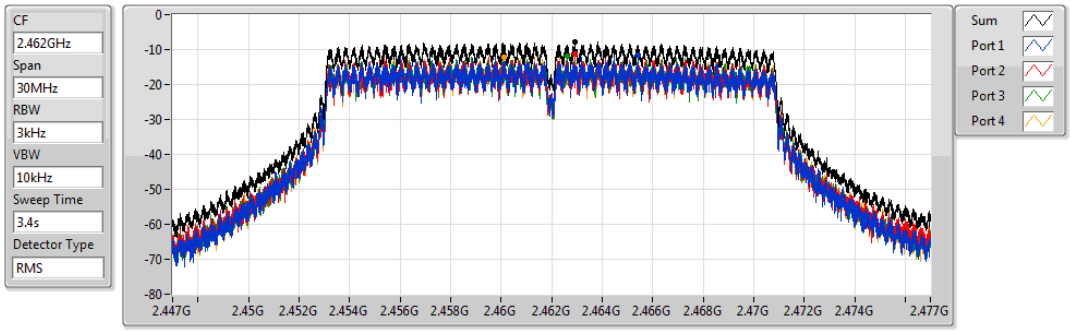
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.69	-4.69	-8.21	-8.56	-8.13	-8.86

VHT20_Nss1,(MCS0)_4TX PSD

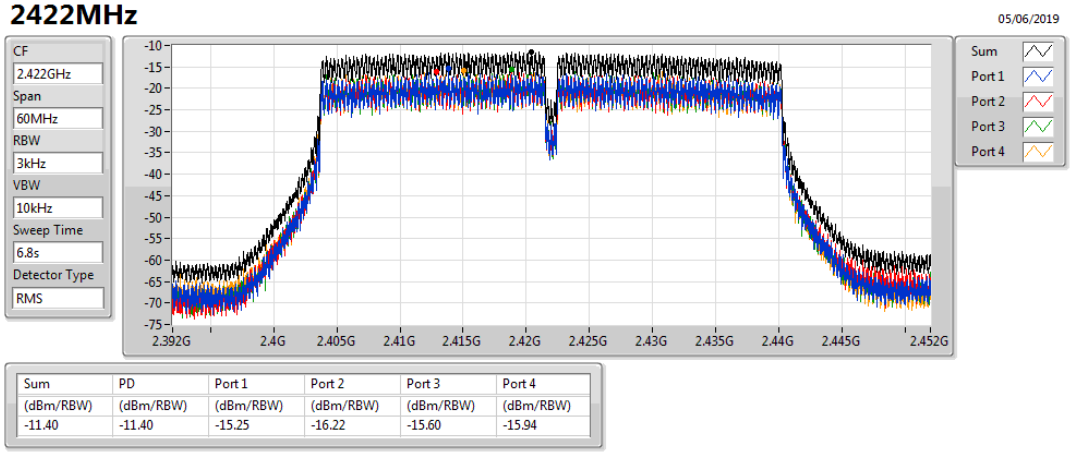
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.84	-7.84	-11.50	-11.38	-11.87	-12.06

VHT40_Nss1,(MCS0)_4TX PSD

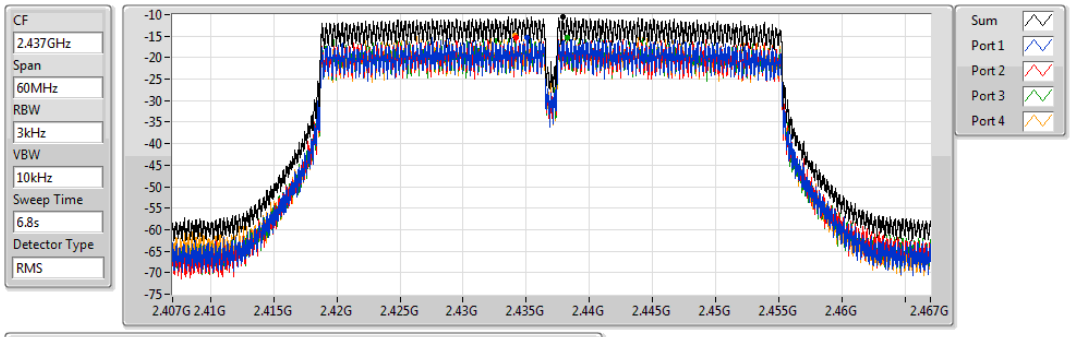
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.40	-11.40	-15.25	-16.22	-15.60	-15.94

VHT40_Nss1,(MCS0)_4TX PSD

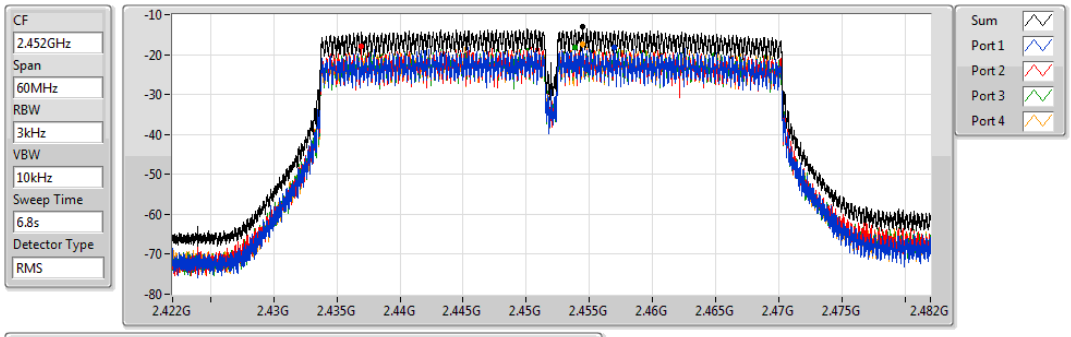
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.43	-10.43	-15.43	-15.29	-15.42	-14.88

VHT40_Nss1,(MCS0)_4TX PSD

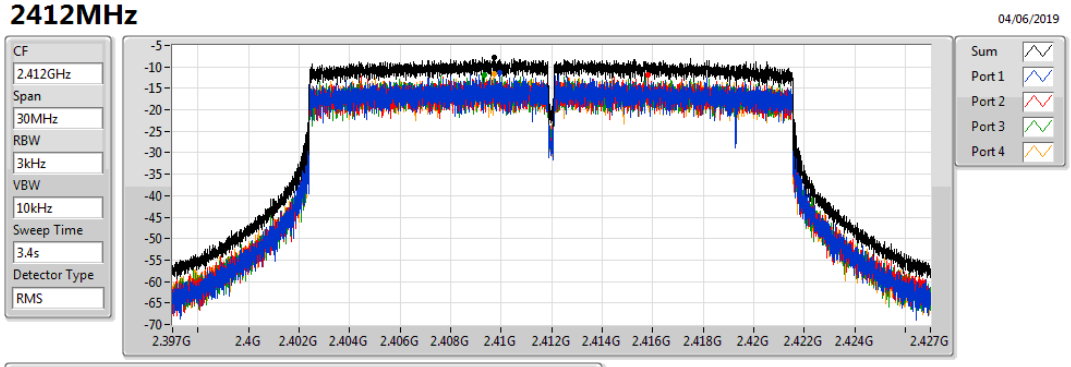
2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.01	-13.01	-18.09	-17.84	-18.27	-17.46

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

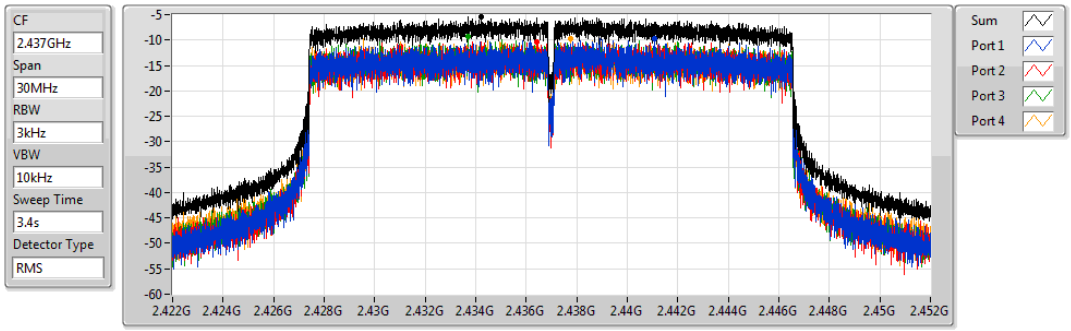
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.74	-7.74	-11.47	-11.97	-11.96	-11.59

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

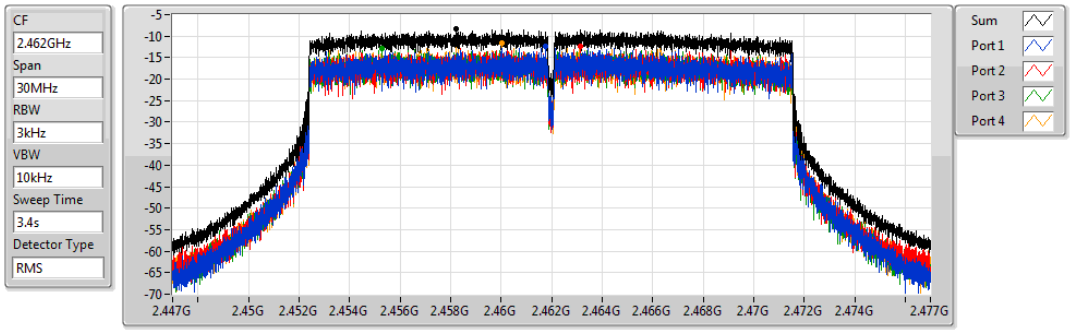
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.34	-5.34	-9.71	-10.29	-9.40	-9.65

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

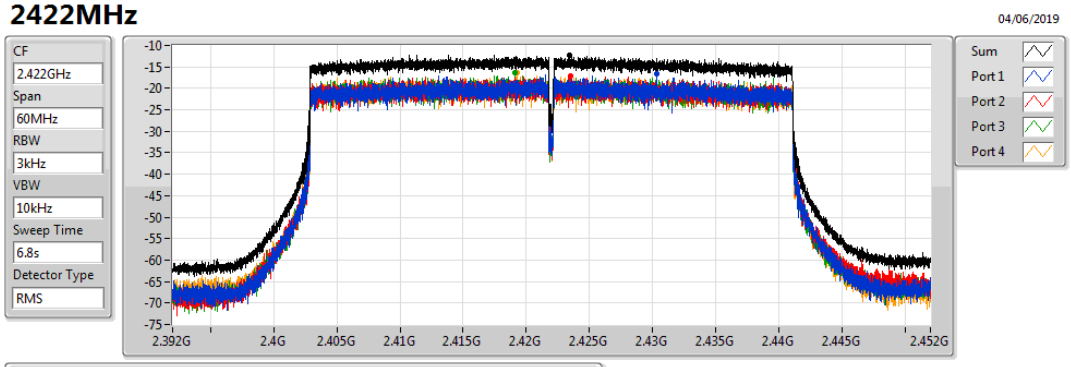
2462MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.31	-8.31	-12.39	-12.33	-12.96	-11.62

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

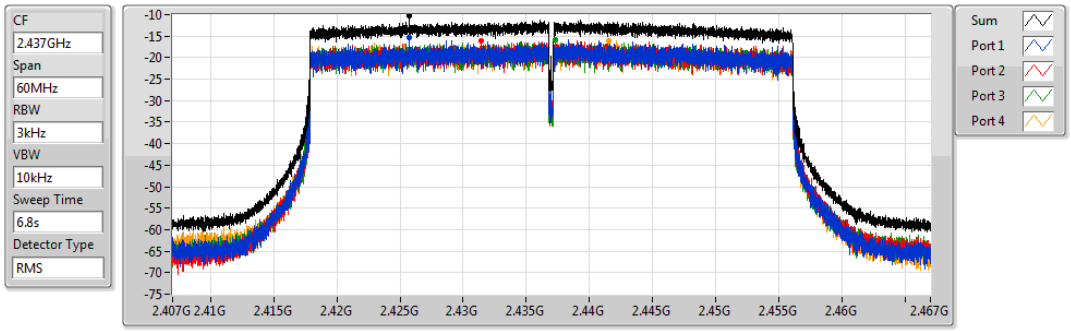
2422MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.25	-12.25	-16.68	-17.06	-16.37	-16.28

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

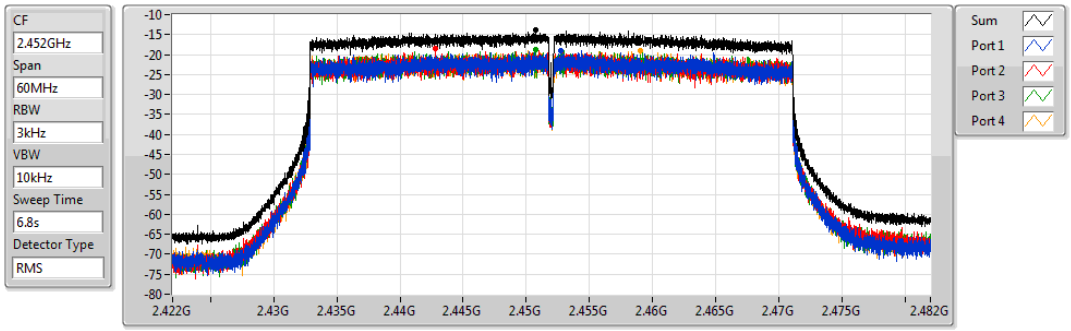
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.33	-10.33	-15.24	-15.98	-15.95	-16.20

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

2452MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.89	-13.89	-19.03	-18.51	-18.70	-18.95

For beamforming mode
Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	2.68
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-2.59

RBW=3 kHz.

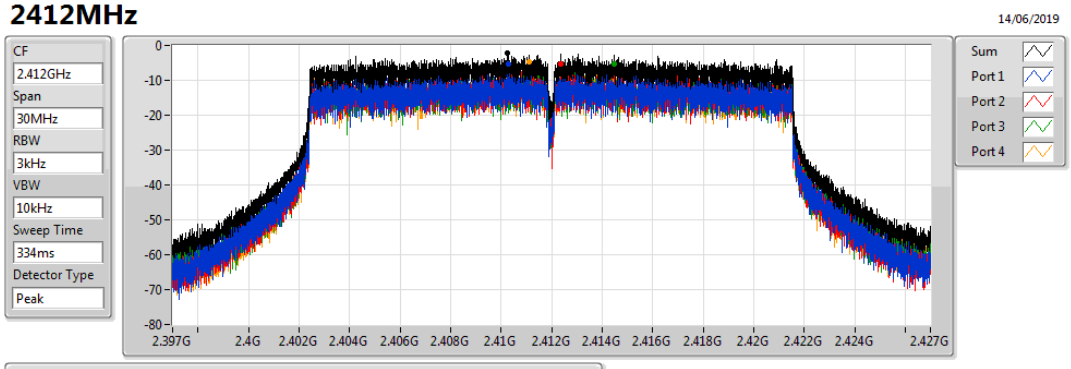
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.45	-5.34	-5.39	-5.30	-4.64	-2.07	8.00
2437MHz	Pass	5.45	-0.29	-0.57	-0.82	1.76	2.68	8.00
2462MHz	Pass	5.45	-5.09	-5.08	-6.12	-4.90	-1.92	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.45	-8.85	-8.12	-7.50	-6.65	-5.25	8.00
2437MHz	Pass	5.45	-7.07	-4.89	-5.98	-3.53	-2.59	8.00
2452MHz	Pass	5.45	-8.38	-8.11	-7.87	-9.03	-4.52	8.00

DG = Directional Gain; RBW=3 kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

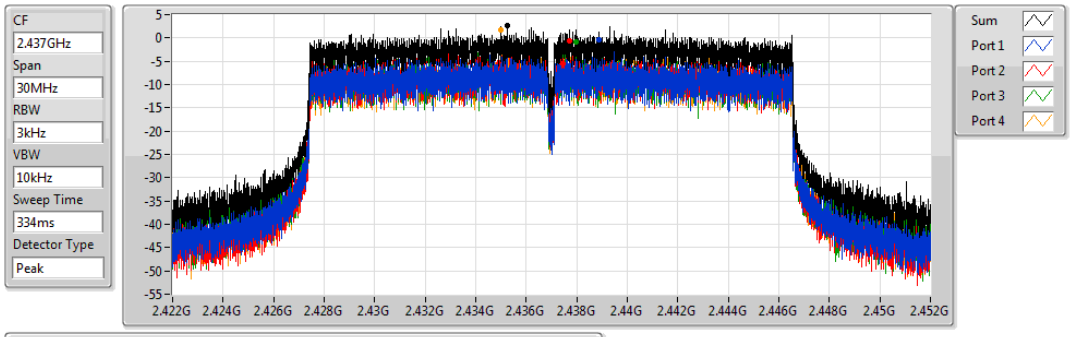
2412MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.07	-2.07	-5.34	-5.39	-5.30	-4.64

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

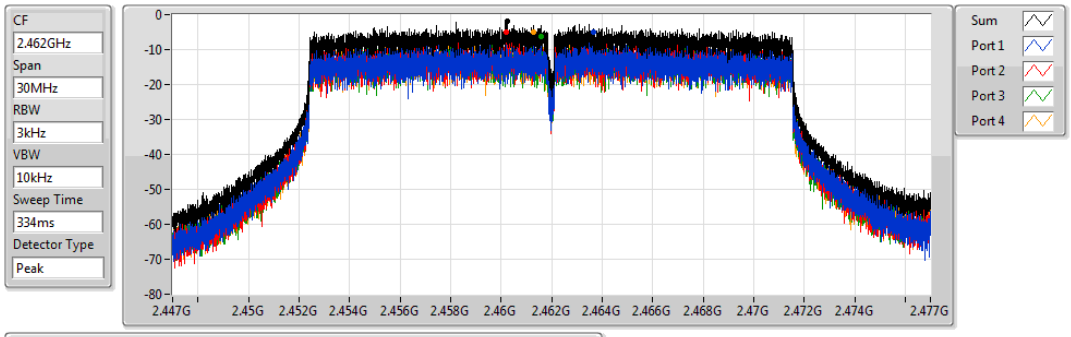
2437MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.68	2.68	-0.29	-0.57	-0.82	1.76

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

2462MHz

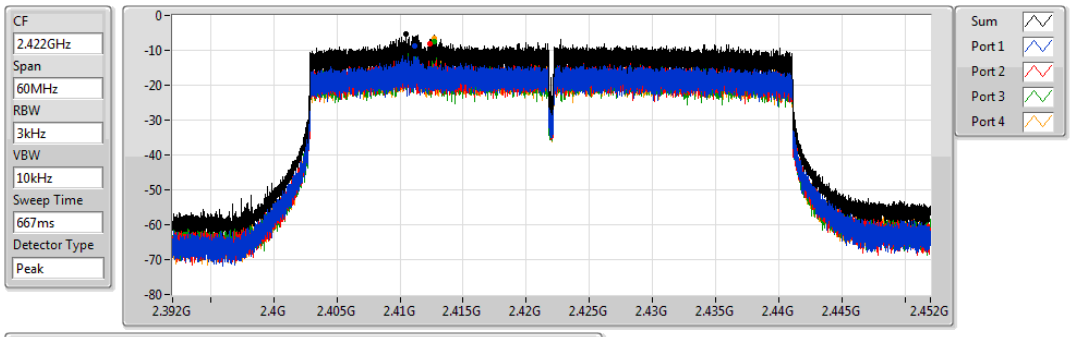


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.92	-1.92	-5.09	-5.08	-6.12	-4.90

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

2422MHz

11/06/2019

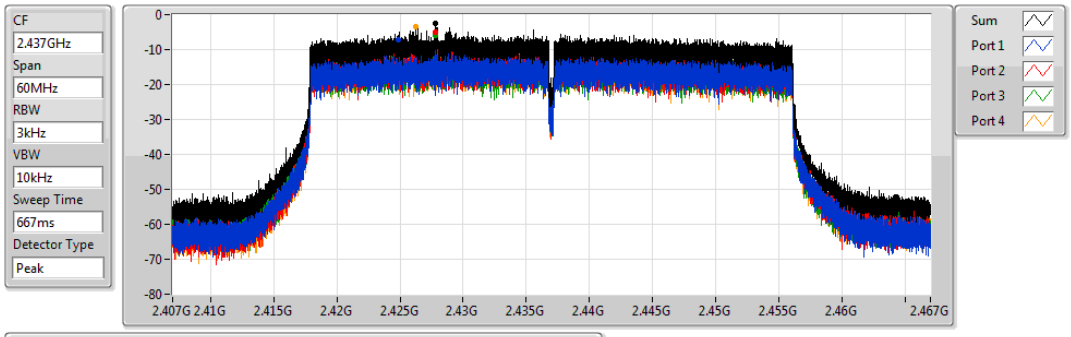


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.25	-5.25	-8.85	-8.12	-7.50	-6.65

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

2437MHz

14/06/2019

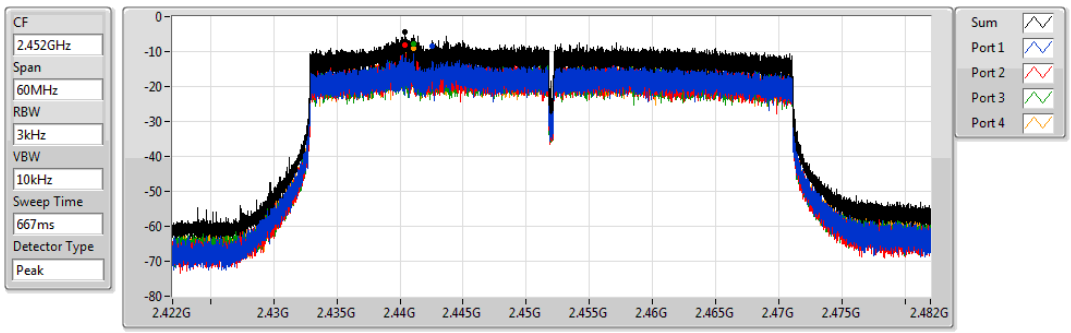


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.59	-2.59	-7.07	-4.89	-5.98	-3.53

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

2452MHz

11/06/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.52	-4.52	-8.38	-8.11	-7.87	-9.03

For non-beamforming mode
Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43599G	16.17	-13.83	673.66M	-36.61	2.3999G	-36.24	2.48924G	-41.78	24.46056G	-34.53	1
802.11g_Nss1,(6Mbps)_4TX	Pass	2.4357G	13.12	-16.88	215.24M	-42.14	2.39976G	-28.06	2.50456G	-41.27	21.79991G	-35.29	2
VHT20_Nss1,(MCS0)_4TX	Pass	2.43824G	12.91	-17.09	2.06176G	-41.94	2.39988G	-28.73	2.52218G	-41.75	21.78305G	-35.18	1
VHT40_Nss1,(MCS0)_4TX	Pass	2.43449G	7.09	-22.91	1.88061G	-42.44	2.3998G	-33.19	2.48506G	-41.13	21.81121G	-35.58	1
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.43574G	12.79	-17.21	380.37M	-42.09	2.39972G	-26.81	2.4957G	-41.14	21.95162G	-34.72	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.43444G	7.19	-22.81	2.02659G	-42.07	2.39992G	-32.01	2.49046G	-41.77	21.84767G	-35.05	2

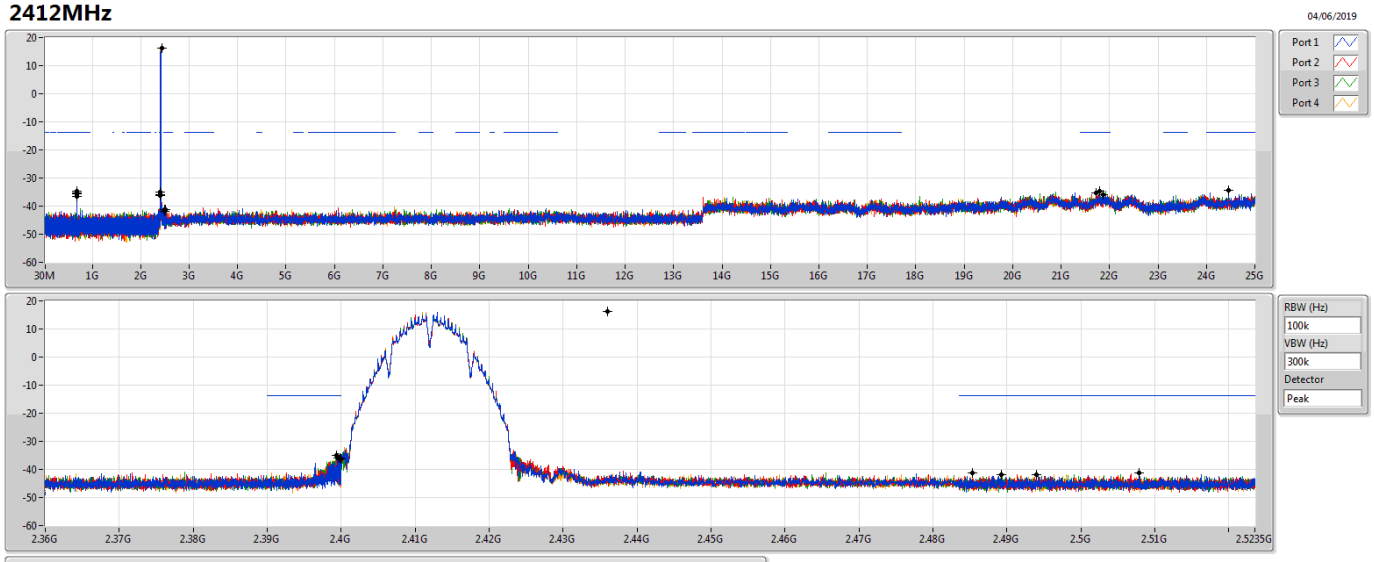
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	16.17	-13.83	673.66M	-36.61	2.3999G	-36.24	2.48924G	-41.78	24.46056G	-34.53	1
2412MHz	Pass	2.43599G	16.17	-13.83	673.66M	-35.66	2.39982G	-35.92	2.50786G	-41.30	21.72124G	-35.38	2
2412MHz	Pass	2.43599G	16.17	-13.83	673.66M	-34.72	2.39932G	-35.01	2.494G	-41.73	21.7971G	-34.76	3
2412MHz	Pass	2.43599G	16.17	-13.83	673.66M	-35.20	2.39962G	-36.01	2.48534G	-41.37	21.87577G	-35.94	4
2437MHz	Pass	2.43599G	16.17	-13.83	698.71M	-35.63	2.3935G	-42.05	2.4998G	-42.09	24.90167G	-36.06	1
2437MHz	Pass	2.43599G	16.17	-13.83	698.71M	-36.40	2.39664G	-42.00	2.49578G	-41.58	24.12061G	-34.96	2
2437MHz	Pass	2.43599G	16.17	-13.83	698.71M	-35.70	2.39798G	-41.83	2.49214G	-42.10	21.74372G	-36.03	3
2437MHz	Pass	2.43599G	16.17	-13.83	698.71M	-34.66	2.39436G	-41.48	2.49152G	-41.51	24.98595G	-34.85	4
2462MHz	Pass	2.43599G	16.17	-13.83	723.76M	-38.44	2.3992G	-42.05	2.48782G	-41.45	21.83924G	-34.58	1
2462MHz	Pass	2.43599G	16.17	-13.83	723.76M	-40.41	2.39732G	-41.55	2.48566G	-40.81	21.89543G	-34.78	2
2462MHz	Pass	2.43599G	16.17	-13.83	723.76M	-37.34	2.39578G	-42.07	2.48846G	-41.17	21.99377G	-35.61	3
2462MHz	Pass	2.43599G	16.17	-13.83	723.76M	-38.96	2.39502G	-41.58	2.48756G	-41.00	24.85109G	-35.39	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4357G	13.12	-16.88	652.11M	-41.36	2.39968G	-28.99	2.48378G	-41.61	21.78305G	-35.36	1
2412MHz	Pass	2.4357G	13.12	-16.88	215.24M	-42.14	2.39976G	-28.06	2.50456G	-41.27	21.79991G	-35.29	2
2412MHz	Pass	2.4357G	13.12	-16.88	2.18962G	-42.11	2.39982G	-28.19	2.50052G	-40.20	24.92414G	-34.39	3
2412MHz	Pass	2.4357G	13.12	-16.88	234.46M	-41.80	2.3999G	-28.99	2.49486G	-41.65	21.96005G	-35.58	4
2437MHz	Pass	2.4357G	13.12	-16.88	461.05M	-41.77	2.39834G	-41.72	2.51106G	-40.62	24.43528G	-35.68	1
2437MHz	Pass	2.4357G	13.12	-16.88	1.84187G	-41.77	2.397G	-41.26	2.48988G	-41.29	21.67629G	-35.23	2
2437MHz	Pass	2.4357G	13.12	-16.88	825.4M	-42.48	2.39356G	-41.52	2.49672G	-41.35	21.90386G	-34.70	3
2437MHz	Pass	2.4357G	13.12	-16.88	1.84857G	-41.77	2.39206G	-41.76	2.49872G	-41.37	24.74152G	-35.60	4
2462MHz	Pass	2.4357G	13.12	-16.88	2.30204G	-41.53	2.39334G	-41.38	2.4906G	-40.80	21.87296G	-35.58	1
2462MHz	Pass	2.4357G	13.12	-16.88	821.33M	-42.15	2.39356G	-41.25	2.4838G	-40.49	21.96286G	-35.66	2
2462MHz	Pass	2.4357G	13.12	-16.88	522.5M	-42.25	2.39508G	-42.25	2.49166G	-41.10	24.99719G	-35.64	3
2462MHz	Pass	2.4357G	13.12	-16.88	2.09263G	-42.43	2.39796G	-41.73	2.48576G	-40.30	24.13465G	-35.48	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.91	-17.09	2.06176G	-41.94	2.39988G	-28.73	2.52218G	-41.75	21.78305G	-35.18	1
2412MHz	Pass	2.43824G	12.91	-17.09	548.13M	-42.58	2.3999G	-29.21	2.51242G	-40.79	24.05037G	-35.17	2
2412MHz	Pass	2.43824G	12.91	-17.09	1.81129G	-41.91	2.39974G	-28.92	2.50202G	-41.64	21.8842G	-34.75	3
2412MHz	Pass	2.43824G	12.91	-17.09	840.55M	-42.65	2.39982G	-29.06	2.51692G	-41.59	24.78085G	-35.96	4
2437MHz	Pass	2.43824G	12.91	-17.09	514.64M	-42.21	2.39984G	-41.59	2.48398G	-40.83	24.07565G	-34.75	1
2437MHz	Pass	2.43824G	12.91	-17.09	188.15M	-42.12	2.39364G	-41.01	2.52082G	-41.74	24.94943G	-35.33	2
2437MHz	Pass	2.43824G	12.91	-17.09	2.11419G	-41.89	2.3906G	-41.79	2.50092G	-41.35	24.97752G	-35.51	3
2437MHz	Pass	2.43824G	12.91	-17.09	693.18M	-41.11	2.39116G	-41.78	2.4857G	-41.19	24.02789G	-35.84	4
2462MHz	Pass	2.43824G	12.91	-17.09	218.73M	-41.91	2.39604G	-42.27	2.4836G	-39.00	24.71904G	-35.42	1
2462MHz	Pass	2.43824G	12.91	-17.09	2.00264G	-40.28	2.3974G	-42.23	2.48352G	-38.88	24.81457G	-35.15	2
2462MHz	Pass	2.43824G	12.91	-17.09	2.17098G	-42.56	2.39544G	-41.89	2.48446G	-40.51	21.96005G	-33.43	3
2462MHz	Pass	2.43824G	12.91	-17.09	1.9307G	-42.68	2.39746G	-42.35	2.48668G	-39.82	21.62291G	-35.38	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43449G	7.09	-22.91	1.88061G	-42.44	2.3998G	-33.19	2.48506G	-41.13	21.81121G	-35.58	1
2422MHz	Pass	2.43449G	7.09	-22.91	39.73M	-41.26	2.39976G	-33.85	2.54934G	-41.27	21.79999G	-35.68	2
2422MHz	Pass	2.43449G	7.09	-22.91	891.9M	-41.45	2.3998G	-34.84	2.50102G	-41.06	24.8766G	-35.71	3
2422MHz	Pass	2.43449G	7.09	-22.91	856.69M	-42.08	2.39988G	-33.34	2.55002G	-41.89	22.00753G	-34.99	4
2437MHz	Pass	2.43449G	7.09	-22.91	1.88719G	-42.36	2.3942G	-38.90	2.48606G	-40.45	21.94303G	-35.57	1
2437MHz	Pass	2.43449G	7.09	-22.91	593.05M	-42.31	2.39952G	-38.93	2.48442G	-39.76	24.95513G	-35.77	2
2437MHz	Pass	2.43449G	7.09	-22.91	2.10474G	-42.45	2.39732G	-40.10	2.48834G	-40.28	21.89254G	-34.88	3
2437MHz	Pass	2.43449G	7.09	-22.91	491.44M	-42.14	2.39828G	-37.25	2.48546G	-40.09	24.92708G	-35.88	4

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2452MHz	Pass	2.43449G	7.09	-22.91	663.19M	-41.41	2.3938G	-42.08	2.4903G	-40.71	21.87572G	-35.04	1
2452MHz	Pass	2.43449G	7.09	-22.91	2.30254G	-41.49	2.39388G	-41.45	2.4861G	-39.75	21.83645G	-35.21	2
2452MHz	Pass	2.43449G	7.09	-22.91	510.33M	-41.58	2.39368G	-41.55	2.49322G	-39.77	21.79439G	-35.15	3
2452MHz	Pass	2.43449G	7.09	-22.91	905.35M	-42.40	2.39088G	-40.65	2.48518G	-39.10	21.70464G	-34.89	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.79	-17.21	380.37M	-42.09	2.39972G	-26.81	2.4957G	-41.14	21.95162G	-34.72	1
2412MHz	Pass	2.43574G	12.79	-17.21	42.52M	-42.26	2.39996G	-28.29	2.5068G	-40.64	21.9151G	-35.17	2
2412MHz	Pass	2.43574G	12.79	-17.21	2.11186G	-42.13	2.39998G	-28.38	2.51518G	-42.21	21.91791G	-36.05	3
2412MHz	Pass	2.43574G	12.79	-17.21	1.71809G	-42.16	2.39974G	-28.09	2.52242G	-41.66	24.84547G	-36.27	4
2437MHz	Pass	2.43574G	12.79	-17.21	175.33M	-41.99	2.39224G	-41.45	2.50372G	-40.96	21.96567G	-35.75	1
2437MHz	Pass	2.43574G	12.79	-17.21	804.43M	-41.27	2.39898G	-41.46	2.486G	-40.31	24.96629G	-35.05	2
2437MHz	Pass	2.43574G	12.79	-17.21	553.96M	-41.82	2.3998G	-41.18	2.49944G	-40.78	24.0588G	-35.70	3
2437MHz	Pass	2.43574G	12.79	-17.21	204.17M	-41.68	2.39806G	-40.86	2.48622G	-40.92	24.76681G	-35.09	4
2462MHz	Pass	2.43574G	12.79	-17.21	138.64M	-42.13	2.39774G	-41.26	2.4836G	-39.83	21.90667G	-34.99	1
2462MHz	Pass	2.43574G	12.79	-17.21	914.53M	-41.65	2.39036G	-42.00	2.4848G	-38.59	24.96629G	-34.68	2
2462MHz	Pass	2.43574G	12.79	-17.21	544.06M	-41.63	2.39756G	-41.99	2.4858G	-40.24	24.09813G	-35.37	3
2462MHz	Pass	2.43574G	12.79	-17.21	712.69M	-41.84	2.39578G	-41.60	2.48494G	-40.10	21.72686G	-36.17	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43444G	7.19	-22.81	2.01658G	-42.19	2.39984G	-33.40	2.50782G	-41.17	21.97668G	-35.47	1
2422MHz	Pass	2.43444G	7.19	-22.81	2.02659G	-42.07	2.39992G	-32.01	2.49046G	-41.77	21.84767G	-35.05	2
2422MHz	Pass	2.43444G	7.19	-22.81	1.63415G	-41.46	2.39984G	-33.12	2.5565G	-40.54	21.97388G	-35.75	3
2422MHz	Pass	2.43444G	7.19	-22.81	336.57M	-42.26	2.39952G	-34.12	2.55578G	-41.33	24.74478G	-35.63	4
2437MHz	Pass	2.43444G	7.19	-22.81	731.89M	-42.00	2.39852G	-38.72	2.48402G	-40.31	21.96546G	-35.36	1
2437MHz	Pass	2.43444G	7.19	-22.81	2.07926G	-41.68	2.39804G	-38.66	2.50014G	-39.97	21.94864G	-34.19	2
2437MHz	Pass	2.43444G	7.19	-22.81	1.90236G	-41.55	2.39848G	-38.77	2.48402G	-39.97	21.95144G	-35.68	3
2437MHz	Pass	2.43444G	7.19	-22.81	514.34M	-42.01	2.39744G	-37.39	2.5083G	-40.49	21.94583G	-35.54	4
2452MHz	Pass	2.43444G	7.19	-22.81	2.00226G	-42.02	2.39292G	-41.80	2.49074G	-39.61	21.97949G	-35.38	1
2452MHz	Pass	2.43444G	7.19	-22.81	680.36M	-41.56	2.39928G	-41.80	2.4883G	-39.13	21.87852G	-36.05	2
2452MHz	Pass	2.43444G	7.19	-22.81	830.93M	-42.14	2.39712G	-41.70	2.4867G	-39.37	21.89254G	-36.08	3
2452MHz	Pass	2.43444G	7.19	-22.81	1.90637G	-41.94	2.397G	-42.25	2.48678G	-39.31	24.83453G	-35.21	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

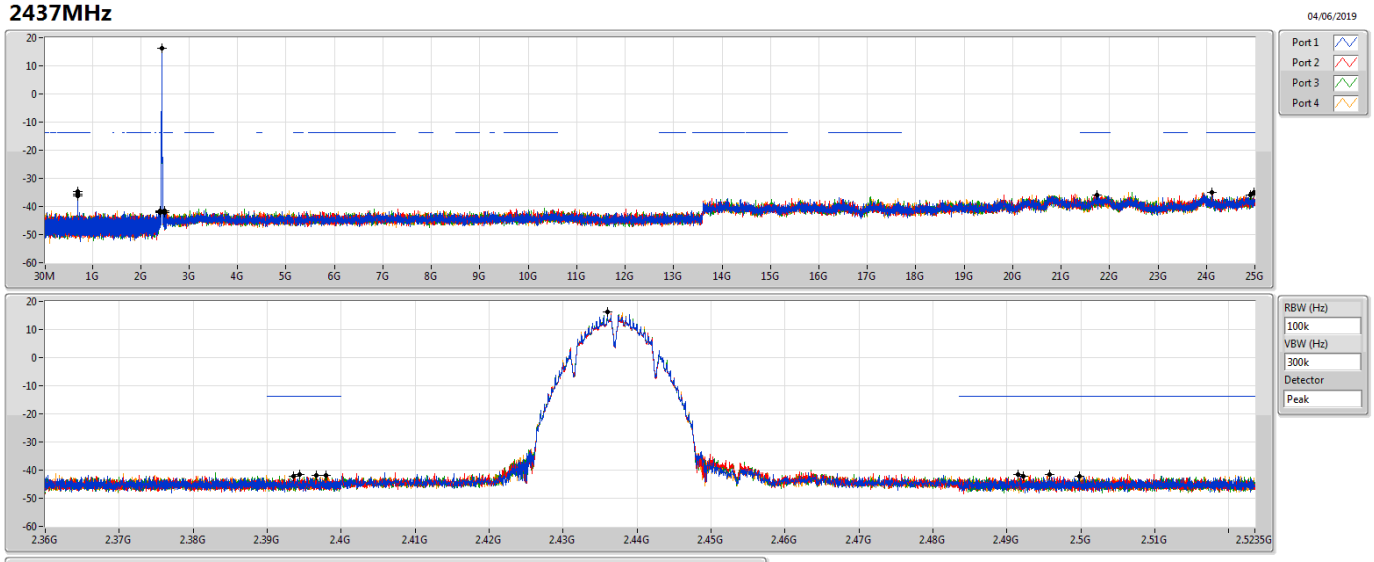
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	16.17	-13.83	673.66M	-36.61	2.3999G	-36.24	2.48924G	-41.78	24.46056G	-34.53	1
2.43599G	16.17	-13.83	673.66M	-35.66	2.39982G	-35.92	2.50786G	-41.30	21.72124G	-35.38	2
2.43599G	16.17	-13.83	673.66M	-34.72	2.39932G	-35.01	2.494G	-41.73	21.7971G	-34.76	3
2.43599G	16.17	-13.83	673.66M	-35.20	2.39962G	-36.01	2.48534G	-41.37	21.87577G	-35.94	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

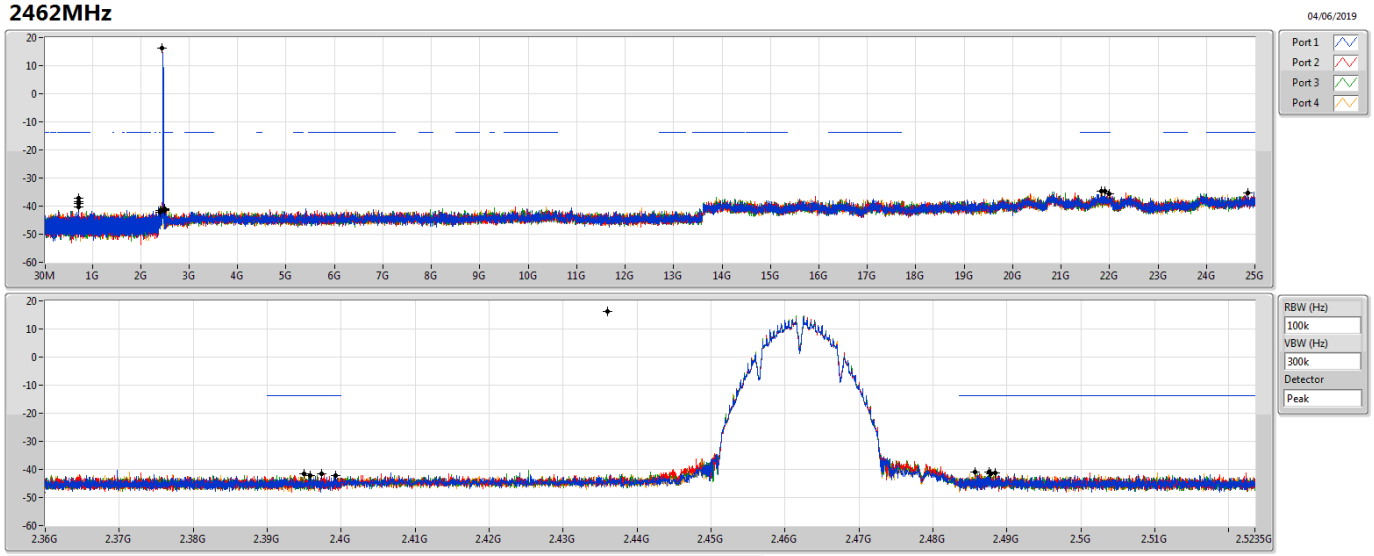
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	16.17	-13.83	698.71M	-35.63	2.3935G	-42.05	2.4998G	-42.09	24.90167G	-36.06	1
2.43599G	16.17	-13.83	698.71M	-36.40	2.39664G	-42.00	2.49578G	-41.58	24.12061G	-34.96	2
2.43599G	16.17	-13.83	698.71M	-35.70	2.39798G	-41.83	2.49214G	-42.10	21.74372G	-36.03	3
2.43599G	16.17	-13.83	698.71M	-34.66	2.39436G	-41.48	2.49152G	-41.51	24.98595G	-34.85	4

802.11b_Nss1,(1Mbps)_4TX **CSE NdB**

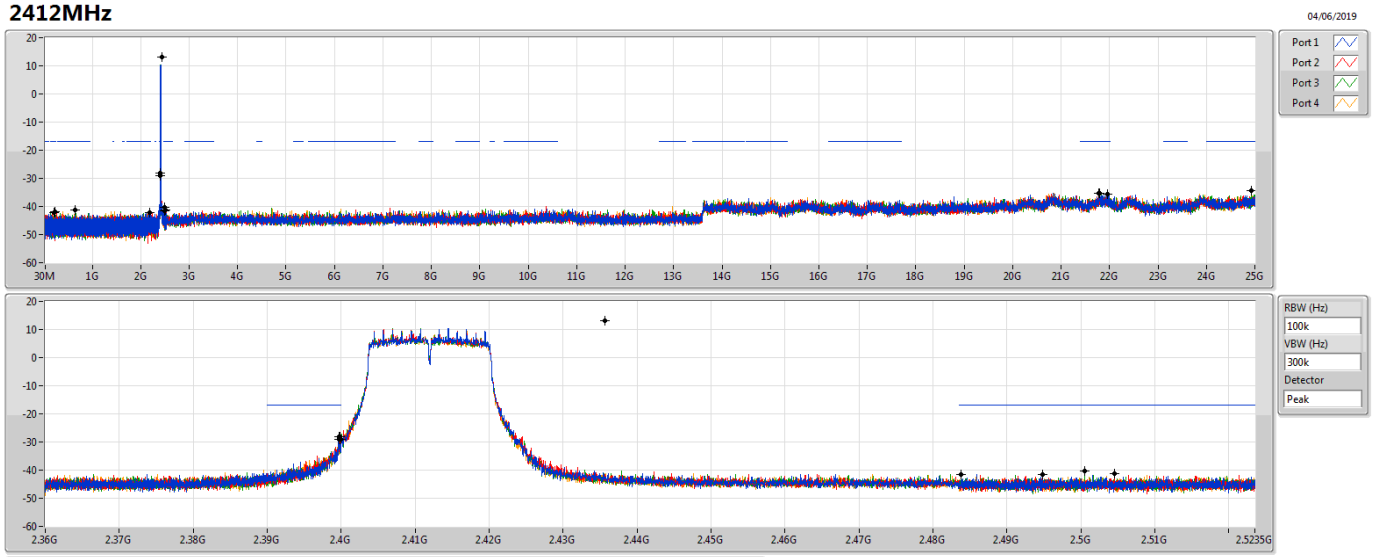
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	16.17	-13.83	723.76M	-38.44	2.3992G	-42.05	2.48782G	-41.45	21.83924G	-34.58	1
2.43599G	16.17	-13.83	723.76M	-40.41	2.39732G	-41.55	2.48566G	-40.81	21.89543G	-34.78	2
2.43599G	16.17	-13.83	723.76M	-37.34	2.39578G	-42.07	2.48846G	-41.17	21.99377G	-35.61	3
2.43599G	16.17	-13.83	723.76M	-38.96	2.39502G	-41.58	2.48756G	-41.00	24.85109G	-35.39	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

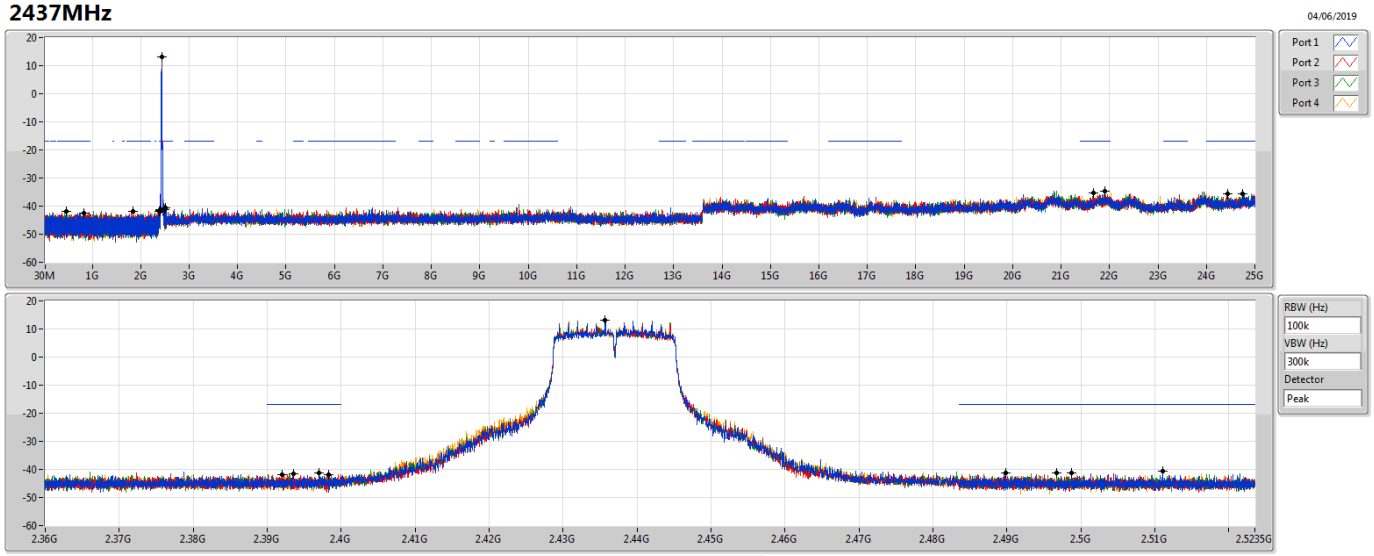
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	13.12	-16.88	652.11M	-41.36	2.39968G	-28.99	2.48378G	-41.61	21.78305G	-35.36	1
2.4357G	13.12	-16.88	215.24M	-42.14	2.39976G	-28.06	2.50456G	-41.27	21.79991G	-35.29	2
2.4357G	13.12	-16.88	2.18962G	-42.11	2.39982G	-28.19	2.50052G	-40.20	24.92414G	-34.39	3
2.4357G	13.12	-16.88	234.46M	-41.80	2.3999G	-28.99	2.49486G	-41.65	21.96005G	-35.58	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

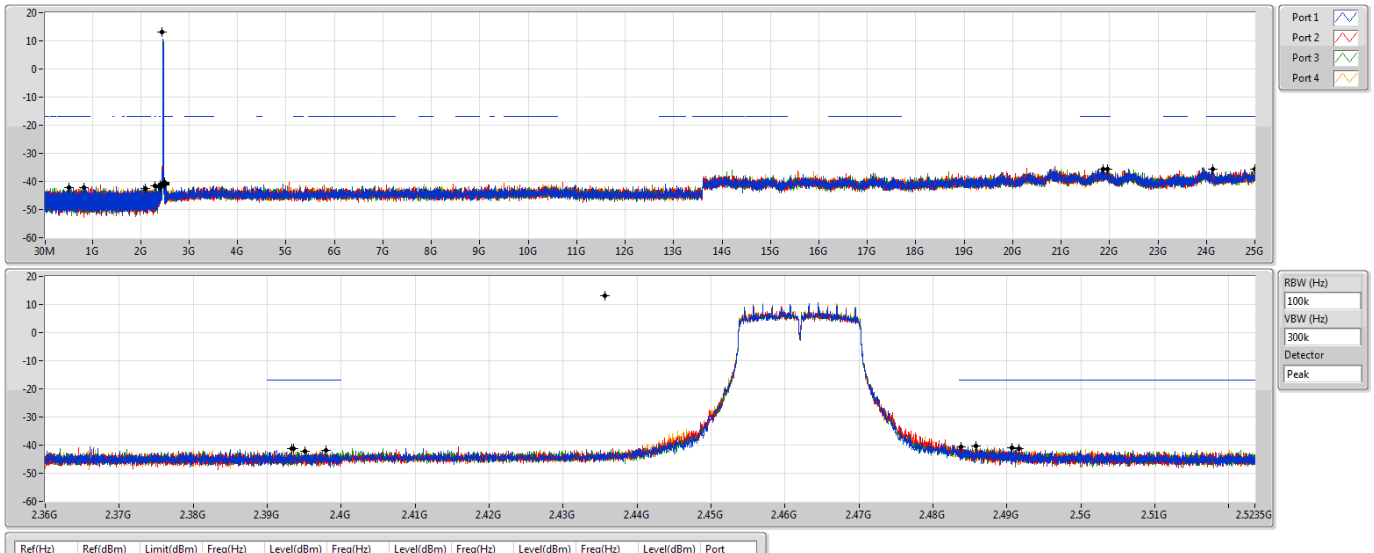
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	13.12	-16.88	461.05M	-41.77	2.39834G	-41.72	2.51106G	-40.62	24.43528G	-35.68	1
2.4357G	13.12	-16.88	1.84187G	-41.77	2.397G	-41.26	2.48988G	-41.29	21.67629G	-35.23	2
2.4357G	13.12	-16.88	825.4M	-42.48	2.39356G	-41.52	2.49672G	-41.35	21.90386G	-34.70	3
2.4357G	13.12	-16.88	1.84857G	-41.77	2.39206G	-41.76	2.49872G	-41.37	24.74152G	-35.60	4

802.11g_Nss1,(6Mbps)_4TX **CSE NdB**

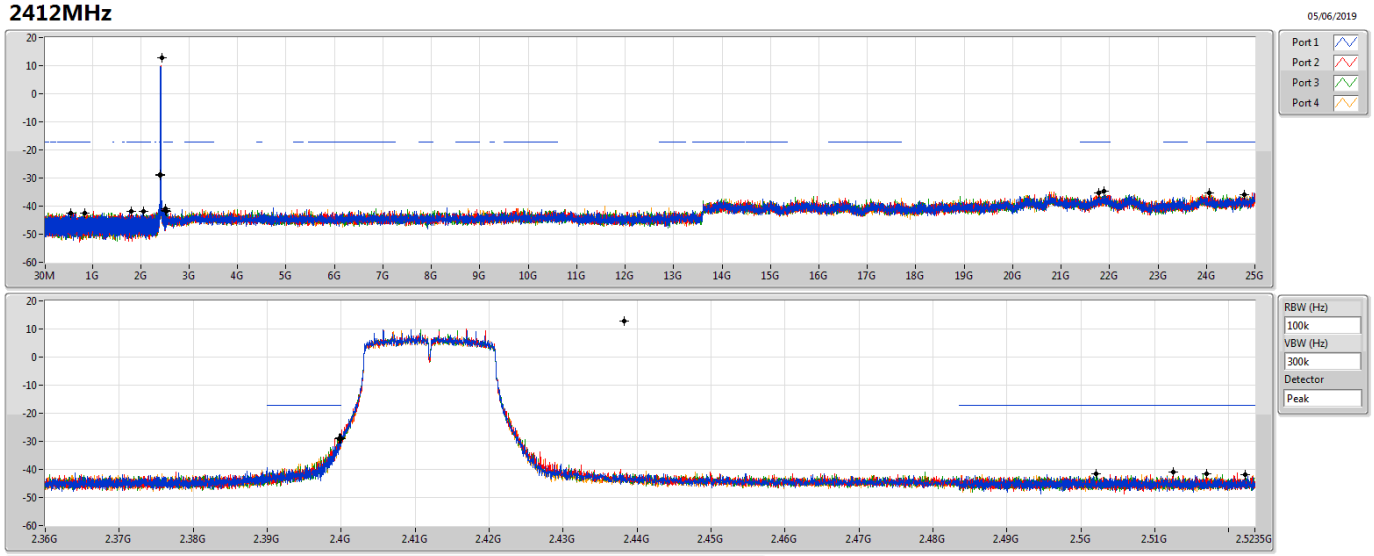
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4357G	13.12	-16.88	2.30204G	-41.53	2.39334G	-41.38	2.4906G	-40.80	21.87296G	-35.58	1
2.4357G	13.12	-16.88	821.33M	-42.15	2.39356G	-41.25	2.4838G	-40.49	21.96286G	-35.66	2
2.4357G	13.12	-16.88	522.5M	-42.25	2.39508G	-42.25	2.49166G	-41.10	24.99719G	-35.64	3
2.4357G	13.12	-16.88	2.09263G	-42.43	2.39796G	-41.73	2.48576G	-40.30	24.13465G	-35.48	4

VHT20_Nss1,(MCS0)_4TX **CSE NdB**

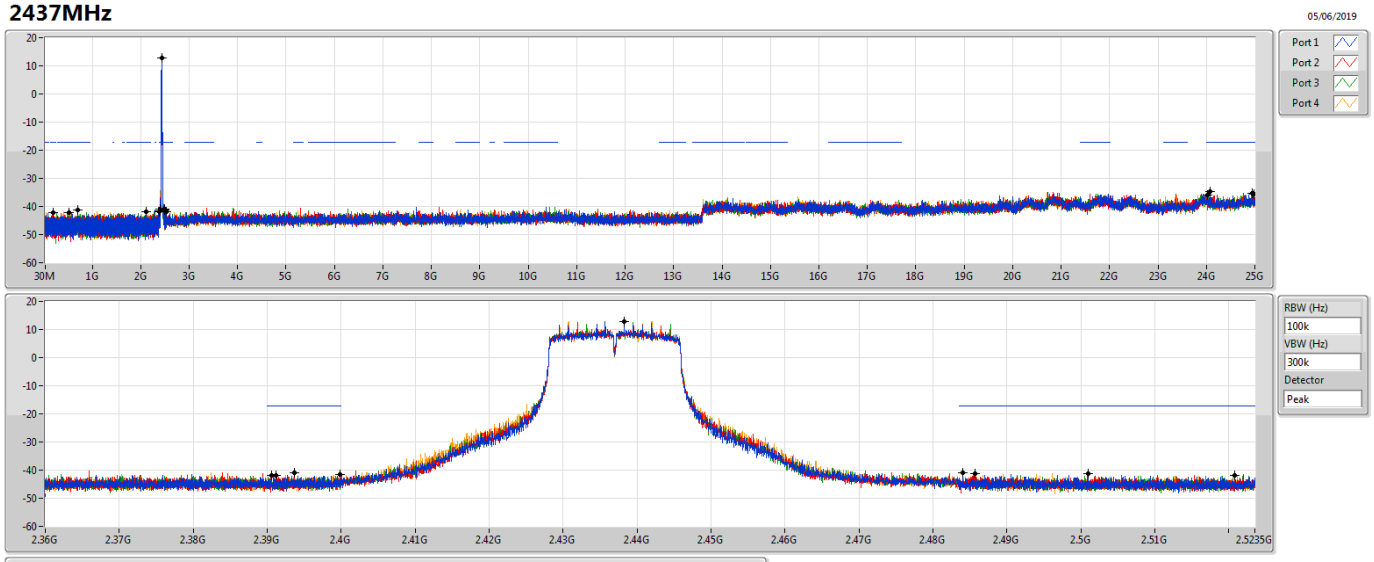
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.91	-17.09	2.06176G	-41.94	2.39988G	-28.73	2.52218G	-41.75	21.78305G	-35.18	1
2.43824G	12.91	-17.09	548.13M	-42.58	2.3999G	-29.21	2.51242G	-40.79	24.05037G	-35.17	2
2.43824G	12.91	-17.09	1.81129G	-41.91	2.39974G	-28.92	2.50202G	-41.64	21.8842G	-34.75	3
2.43824G	12.91	-17.09	840.55M	-42.65	2.39982G	-29.06	2.51692G	-41.59	24.78085G	-35.96	4

VHT20_Nss1,(MCS0)_4TX **CSE NdB**

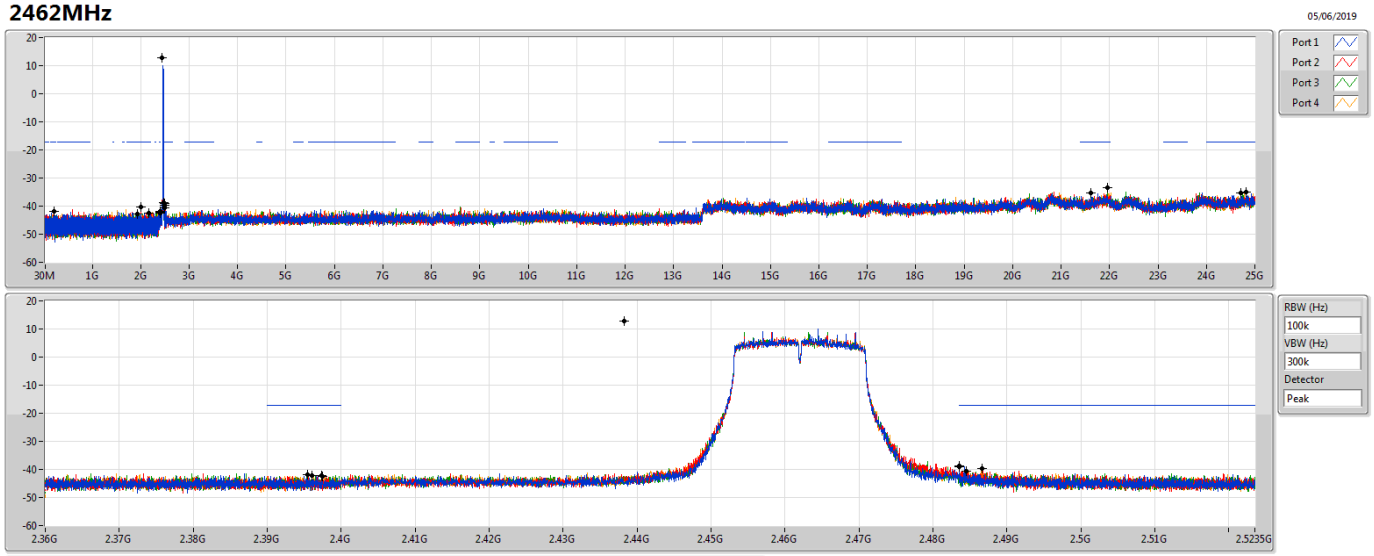
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.91	-17.09	514.64M	-42.21	2.39984G	-41.59	2.48398G	-40.83	24.07565G	-34.75	1
2.43824G	12.91	-17.09	188.15M	-42.12	2.39364G	-41.01	2.52082G	-41.74	24.94943G	-35.33	2
2.43824G	12.91	-17.09	2.11419G	-41.89	2.3906G	-41.79	2.50092G	-41.35	24.97752G	-35.51	3
2.43824G	12.91	-17.09	693.18M	-41.11	2.39116G	-41.78	2.4857G	-41.19	24.02789G	-35.84	4

VHT20_Nss1,(MCS0)_4TX **CSE NdB**

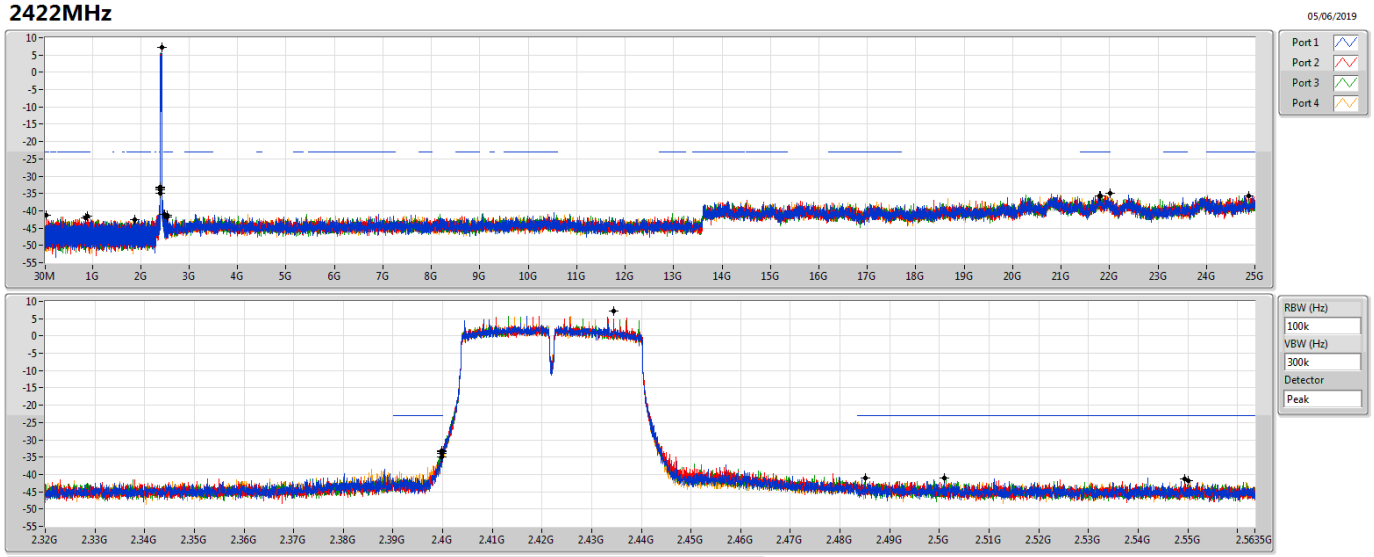
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	12.91	-17.09	218.73M	-41.91	2.39604G	-42.27	2.4836G	-39.00	24.71904G	-35.42	1
2.43824G	12.91	-17.09	2.00264G	-40.28	2.3974G	-42.23	2.48352G	-38.88	24.81457G	-35.15	2
2.43824G	12.91	-17.09	2.17098G	-42.56	2.39544G	-41.89	2.48446G	-40.51	21.96005G	-33.43	3
2.43824G	12.91	-17.09	1.9307G	-42.68	2.39746G	-42.35	2.48668G	-39.82	21.62291G	-35.38	4

VHT40_Nss1,(MCS0)_4TX **CSE NdB**

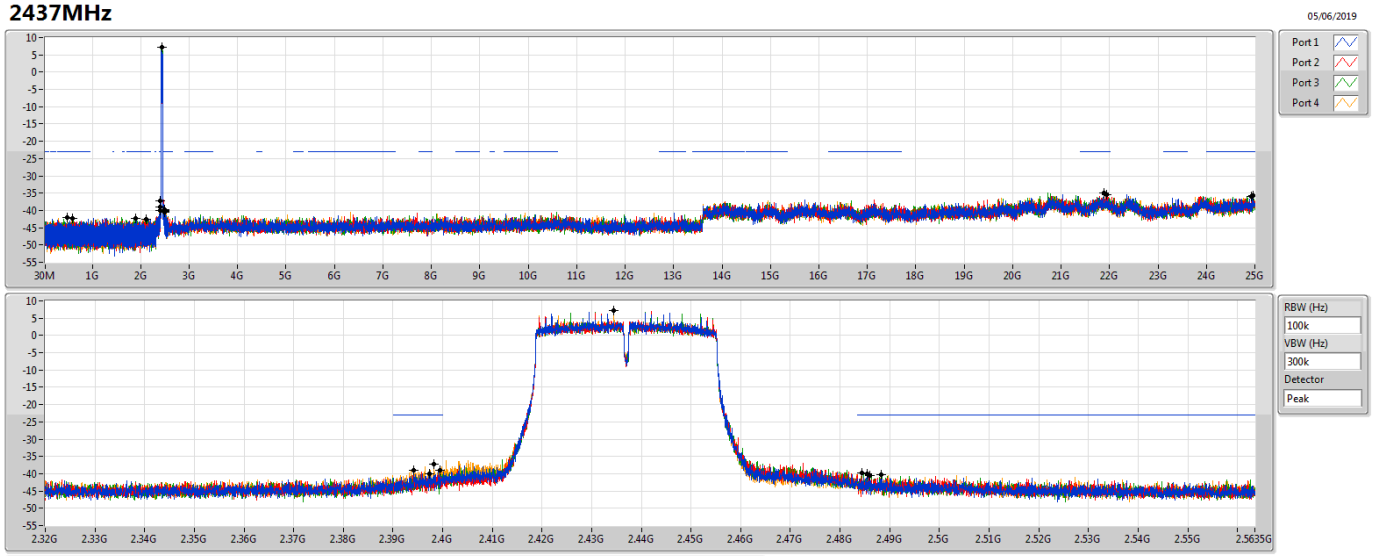
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	7.09	-22.91	1.88061G	-42.44	2.3998G	-33.19	2.48506G	-41.13	21.81121G	-35.58	1
2.43449G	7.09	-22.91	39.73M	-41.26	2.39976G	-33.85	2.54934G	-41.27	21.79999G	-35.68	2
2.43449G	7.09	-22.91	891.9M	-41.45	2.3998G	-34.84	2.50102G	-41.06	24.8766G	-35.71	3
2.43449G	7.09	-22.91	856.69M	-42.08	2.39988G	-33.34	2.55002G	-41.89	22.00753G	-34.99	4

VHT40_Nss1,(MCS0)_4TX **CSE NdB**

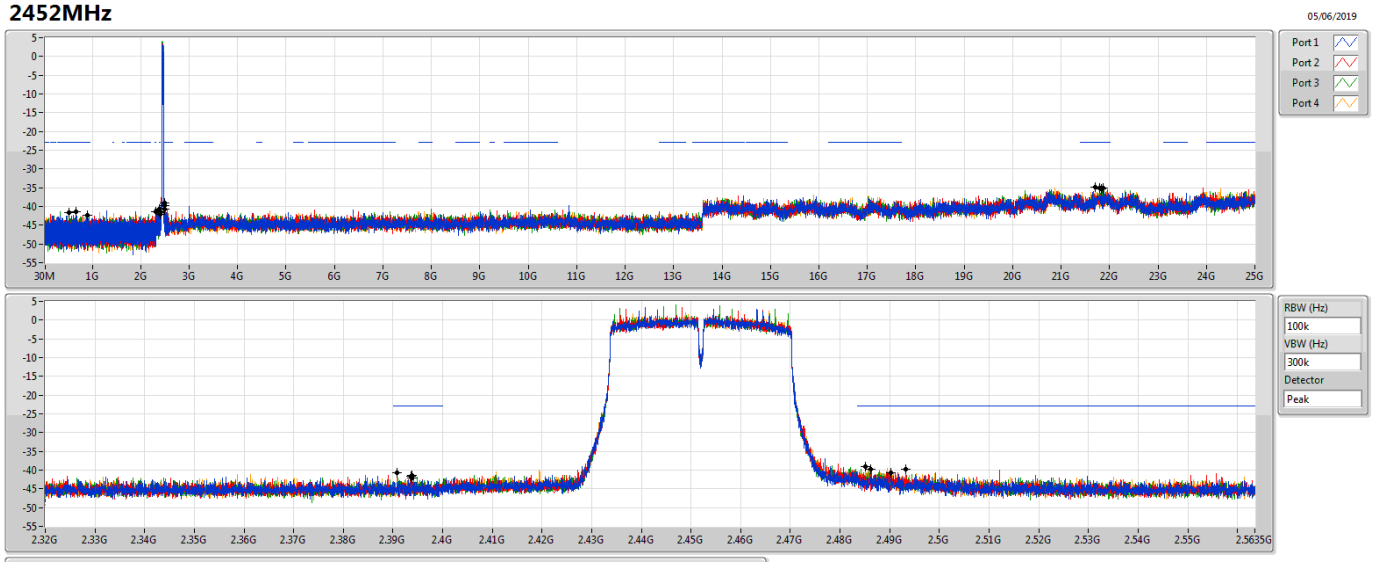
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	7.09	-22.91	1.88719G	-42.36	2.3942G	-38.90	2.48606G	-40.45	21.94303G	-35.57	1
2.43449G	7.09	-22.91	593.05M	-42.31	2.39952G	-38.93	2.48442G	-39.76	24.95513G	-35.77	2
2.43449G	7.09	-22.91	2.10474G	-42.45	2.39732G	-40.10	2.48834G	-40.28	21.89254G	-34.88	3
2.43449G	7.09	-22.91	491.44M	-42.14	2.39828G	-37.25	2.48546G	-40.09	24.92708G	-35.88	4

VHT40_Nss1,(MCS0)_4TX **CSE NdB**

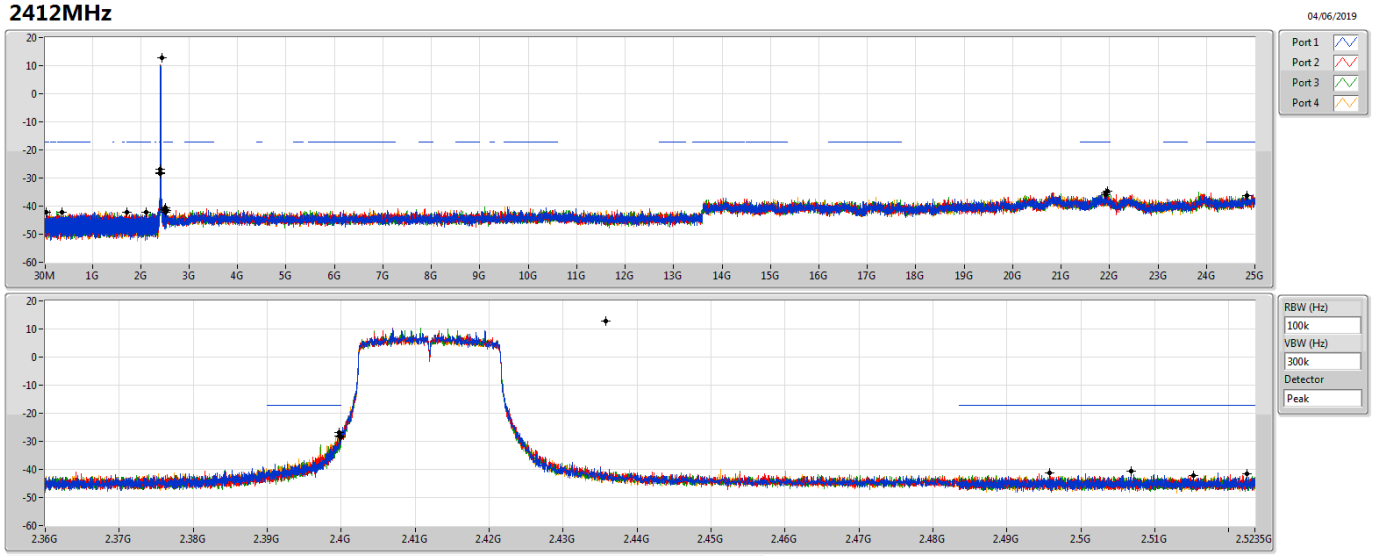
2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43449G	7.09	-22.91	663.19M	-41.41	2.3938G	-42.08	2.4903G	-40.71	21.87572G	-35.04	1
2.43449G	7.09	-22.91	2.30254G	-41.49	2.39388G	-41.45	2.4861G	-39.75	21.83645G	-35.21	2
2.43449G	7.09	-22.91	510.33M	-41.58	2.39368G	-41.55	2.49322G	-39.77	21.79439G	-35.15	3
2.43449G	7.09	-22.91	905.35M	-42.40	2.39088G	-40.65	2.48518G	-39.10	21.70464G	-34.89	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

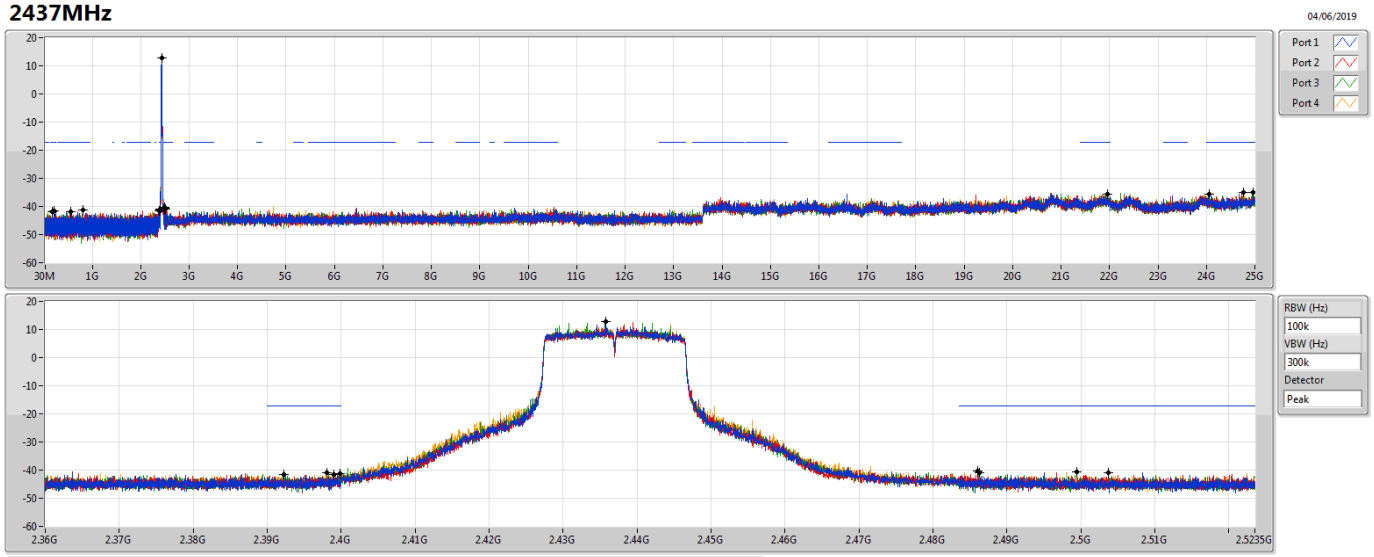
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	12.79	-17.21	380.37M	-42.09	2.39972G	-26.81	2.4957G	-41.14	21.95162G	-34.72	1
2.43574G	12.79	-17.21	42.52M	-42.26	2.39996G	-28.29	2.5068G	-40.64	21.9151G	-35.17	2
2.43574G	12.79	-17.21	2.11186G	-42.13	2.39998G	-28.38	2.51518G	-42.21	21.91791G	-36.05	3
2.43574G	12.79	-17.21	1.71809G	-42.16	2.39974G	-28.09	2.52242G	-41.66	24.84547G	-36.27	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

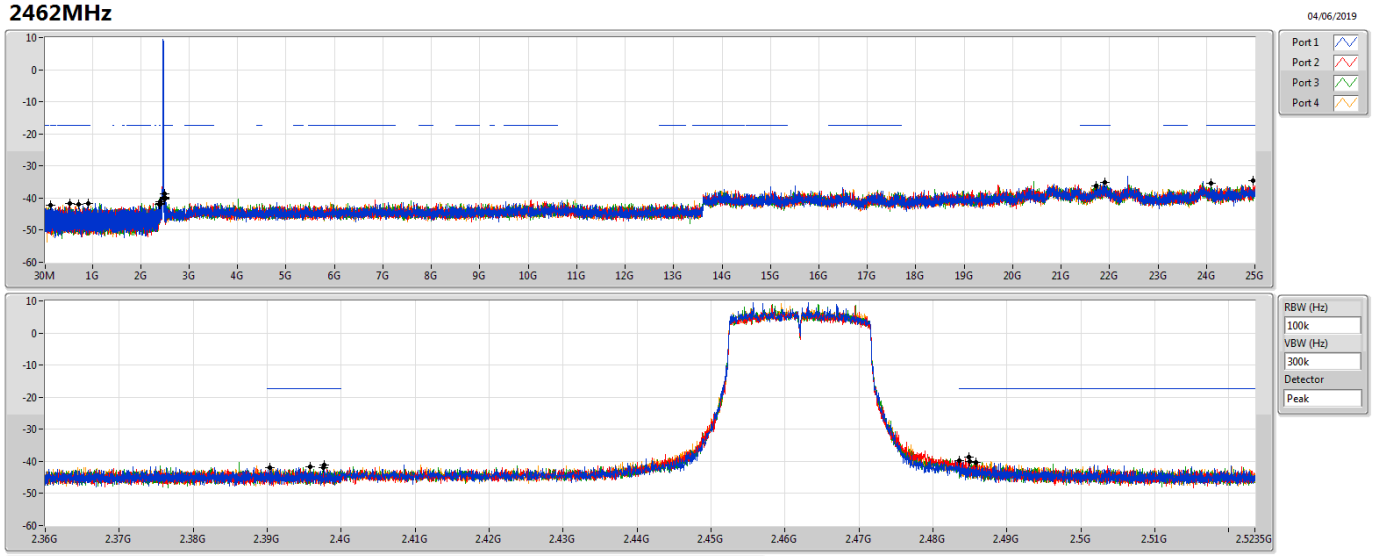
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	12.79	-17.21	175.33M	-41.99	2.39224G	-41.45	2.50372G	-40.96	21.96567G	-35.75	1
2.43574G	12.79	-17.21	804.43M	-41.27	2.39898G	-41.46	2.486G	-40.31	24.96629G	-35.05	2
2.43574G	12.79	-17.21	553.96M	-41.82	2.3998G	-41.18	2.49944G	-40.78	24.0588G	-35.70	3
2.43574G	12.79	-17.21	204.17M	-41.68	2.39806G	-40.86	2.48622G	-40.92	24.76681G	-35.09	4

802.11ax HEW20_Nss1,(MCS0)_4TX **CSE NdB**

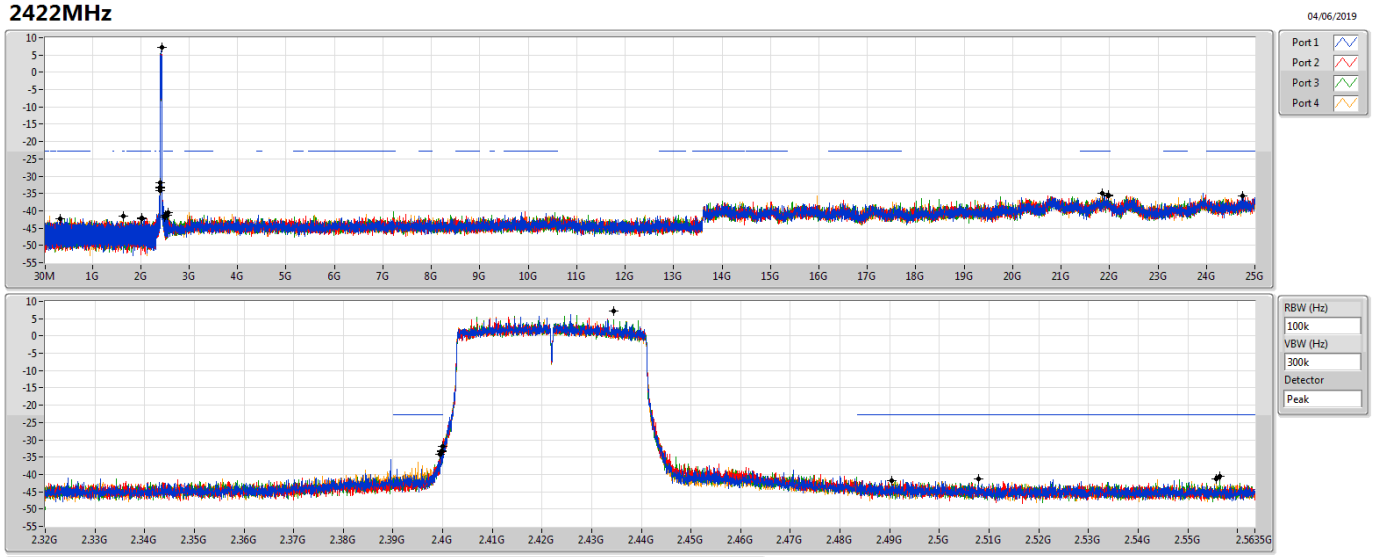
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	12.79	-17.21	138.64M	-42.13	2.39774G	-41.26	2.4836G	-39.83	21.90667G	-34.99	1
2.43574G	12.79	-17.21	914.53M	-41.65	2.39036G	-42.00	2.4848G	-38.59	24.96629G	-34.68	2
2.43574G	12.79	-17.21	544.06M	-41.63	2.39756G	-41.99	2.4858G	-40.24	24.09813G	-35.37	3
2.43574G	12.79	-17.21	712.69M	-41.84	2.39578G	-41.60	2.48494G	-40.10	21.72686G	-36.17	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

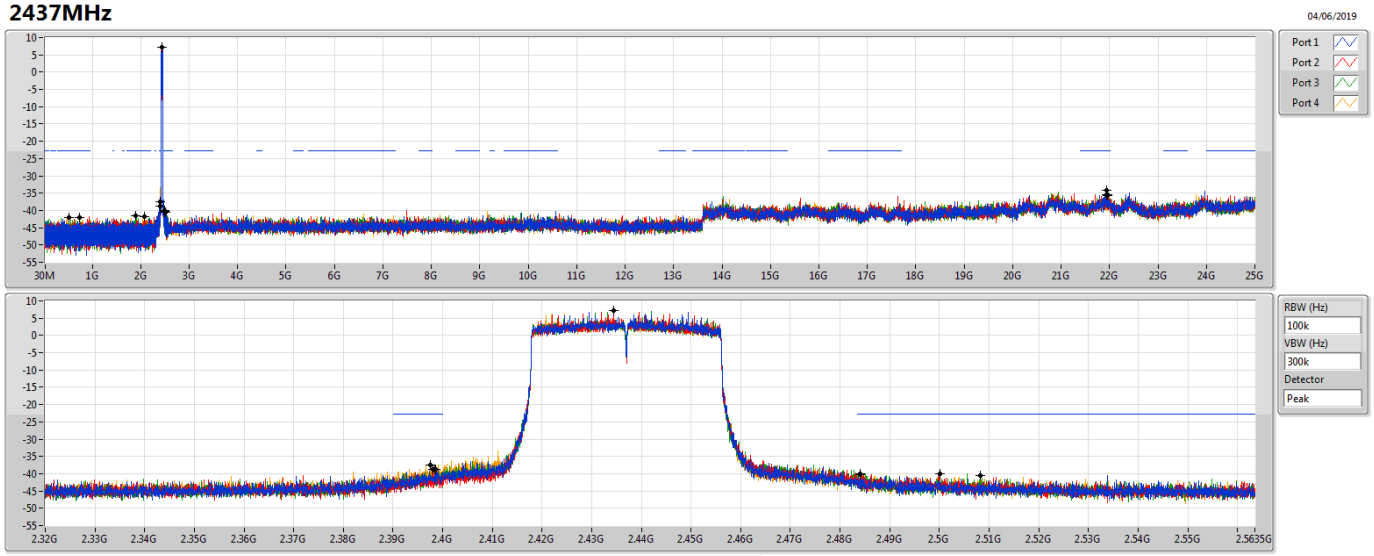
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	7.19	-22.81	2.01658G	-42.19	2.39984G	-33.40	2.50782G	-41.17	21.97668G	-35.47	1
2.43444G	7.19	-22.81	2.02659G	-42.07	2.39992G	-32.01	2.49046G	-41.77	21.84767G	-35.05	2
2.43444G	7.19	-22.81	1.63415G	-41.46	2.39984G	-33.12	2.5565G	-40.54	21.97388G	-35.75	3
2.43444G	7.19	-22.81	336.57M	-42.26	2.39952G	-34.12	2.55578G	-41.33	24.74478G	-35.63	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

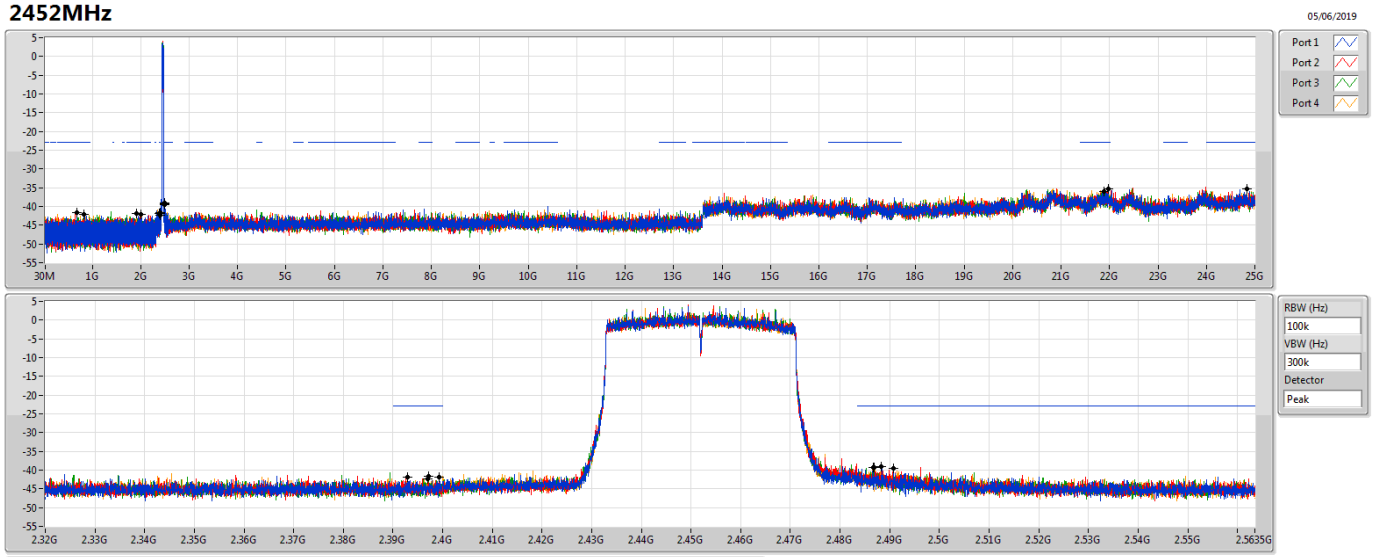
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	7.19	-22.81	731.89M	-42.00	2.39852G	-38.72	2.48402G	-40.31	21.96546G	-35.36	1
2.43444G	7.19	-22.81	2.07926G	-41.68	2.39804G	-38.66	2.50014G	-39.97	21.94864G	-34.19	2
2.43444G	7.19	-22.81	1.90236G	-41.55	2.39848G	-38.77	2.48402G	-39.97	21.95144G	-35.68	3
2.43444G	7.19	-22.81	514.34M	-42.01	2.39744G	-37.39	2.5083G	-40.49	21.94583G	-35.54	4

802.11ax HEW40_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43444G	7.19	-22.81	2.00226G	-42.02	2.39292G	-41.80	2.49074G	-39.61	21.97949G	-35.38	1
2.43444G	7.19	-22.81	680.36M	-41.56	2.39928G	-41.80	2.4883G	-39.13	21.87852G	-36.05	2
2.43444G	7.19	-22.81	830.93M	-42.14	2.39712G	-41.70	2.4867G	-39.37	21.89254G	-36.08	3
2.43444G	7.19	-22.81	1.90637G	-41.94	2.397G	-42.25	2.48678G	-39.31	24.83453G	-35.21	4

For beamforming mode
Summary

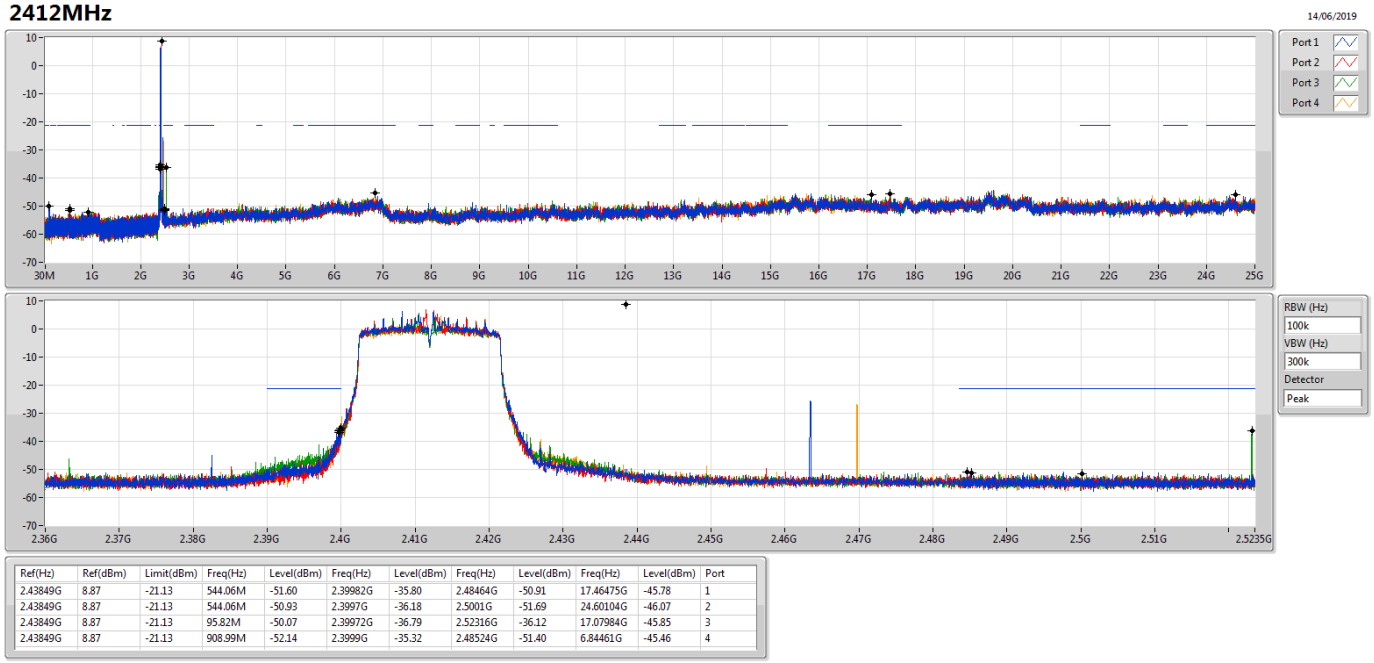
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.43849G	8.87	-21.13	95.82M	-50.05	2.3929G	-25.46	2.48864G	-41.58	16.81855G	-46.12	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.42797G	9.91	-20.09	2.30397G	-52.41	2.39824G	-34.64	2.54114G	-49.04	21.84767G	-43.90	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43849G	8.87	-21.13	544.06M	-51.60	2.39982G	-35.80	2.48464G	-50.91	17.46475G	-45.78	1
2412MHz	Pass	2.43849G	8.87	-21.13	544.06M	-50.93	2.3997G	-36.18	2.5001G	-51.69	24.60104G	-46.07	2
2412MHz	Pass	2.43849G	8.87	-21.13	95.82M	-50.07	2.39972G	-36.79	2.52316G	-36.12	17.07984G	-45.85	3
2412MHz	Pass	2.43849G	8.87	-21.13	908.99M	-52.14	2.3999G	-35.32	2.48524G	-51.40	6.84461G	-45.46	4
2437MHz	Pass	2.43849G	8.87	-21.13	427.85M	-52.42	2.39964G	-47.74	2.48366G	-47.72	16.43364G	-46.05	1
2437MHz	Pass	2.43849G	8.87	-21.13	543.77M	-51.81	2.3994G	-48.22	2.48966G	-49.92	24.51395G	-45.82	2
2437MHz	Pass	2.43849G	8.87	-21.13	544.06M	-51.16	2.39692G	-48.02	2.48418G	-48.88	6.89518G	-46.08	3
2437MHz	Pass	2.43849G	8.87	-21.13	191.94M	-50.70	2.39742G	-48.82	2.4878G	-45.64	16.49264G	-45.94	4
2462MHz	Pass	2.43849G	8.87	-21.13	2.09467G	-51.80	2.39452G	-52.03	2.48366G	-47.64	16.75393G	-46.03	1
2462MHz	Pass	2.43849G	8.87	-21.13	543.77M	-51.18	2.39494G	-51.72	2.48402G	-46.93	6.67041G	-46.10	2
2462MHz	Pass	2.43849G	8.87	-21.13	95.82M	-50.33	2.39546G	-31.47	2.48598G	-46.58	16.81013G	-45.47	3
2462MHz	Pass	2.43849G	8.87	-21.13	95.82M	-50.05	2.3929G	-25.46	2.48864G	-41.58	16.81855G	-46.12	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42797G	9.91	-20.09	2.30397G	-52.41	2.39824G	-34.64	2.54114G	-49.04	21.84767G	-43.90	1
2422MHz	Pass	2.42797G	9.91	-20.09	662.04M	-51.34	2.39984G	-35.45	2.49558G	-49.83	17.59035G	-44.20	2
2422MHz	Pass	2.42797G	9.91	-20.09	752.78M	-52.20	2.39956G	-37.11	2.48962G	-49.97	24.73918G	-43.48	3
2422MHz	Pass	2.42797G	9.91	-20.09	2.30139G	-51.76	2.39988G	-38.97	2.52286G	-49.77	16.95091G	-42.61	4
2437MHz	Pass	2.42797G	6.49	-23.51	544.11M	-50.22	2.39852G	-46.28	2.48402G	-47.64	14.84748G	-45.83	1
2437MHz	Pass	2.42797G	6.49	-23.51	875.01M	-51.07	2.39948G	-44.20	2.4857G	-46.89	16.69289G	-46.47	2
2437MHz	Pass	2.42797G	6.49	-23.51	95.84M	-50.52	2.39964G	-44.70	2.49322G	-48.37	16.52181G	-45.46	3
2437MHz	Pass	2.42797G	6.49	-23.51	543.82M	-50.20	2.39288G	-46.92	2.4849G	-46.94	16.49937G	-44.50	4
2452MHz	Pass	2.42797G	9.91	-20.09	2.30512G	-51.33	2.39312G	-49.83	2.48446G	-43.57	17.5034G	-43.18	1
2452MHz	Pass	2.42797G	9.91	-20.09	757.65M	-52.14	2.39688G	-49.48	2.4845G	-44.25	16.49096G	-43.97	2
2452MHz	Pass	2.42797G	9.91	-20.09	901.06M	-52.42	2.39416G	-49.84	2.48694G	-42.57	24.2652G	-44.66	3
2452MHz	Pass	2.42797G	9.91	-20.09	2.30626G	-52.49	2.3962G	-50.16	2.48698G	-40.70	16.40121G	-44.07	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **CSE NdB**

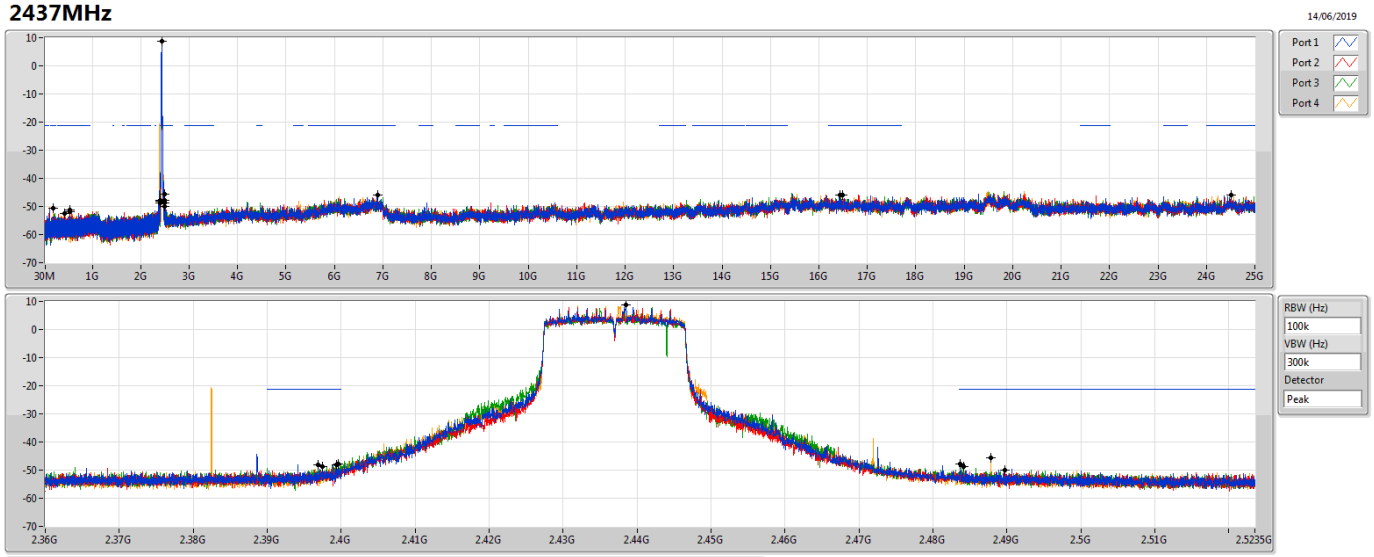
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43849G	8.87	-21.13	544.06M	-51.60	2.39982G	-35.80	2.48464G	-50.91	17.46475G	-45.78	1
2.43849G	8.87	-21.13	544.06M	-50.93	2.3997G	-36.18	2.5001G	-51.69	24.60104G	-46.07	2
2.43849G	8.87	-21.13	95.82M	-50.07	2.39972G	-36.79	2.52316G	-36.12	17.07984G	-45.85	3
2.43849G	8.87	-21.13	908.99M	-52.14	2.3999G	-35.32	2.48524G	-51.40	6.84461G	-45.46	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **CSE NdB**

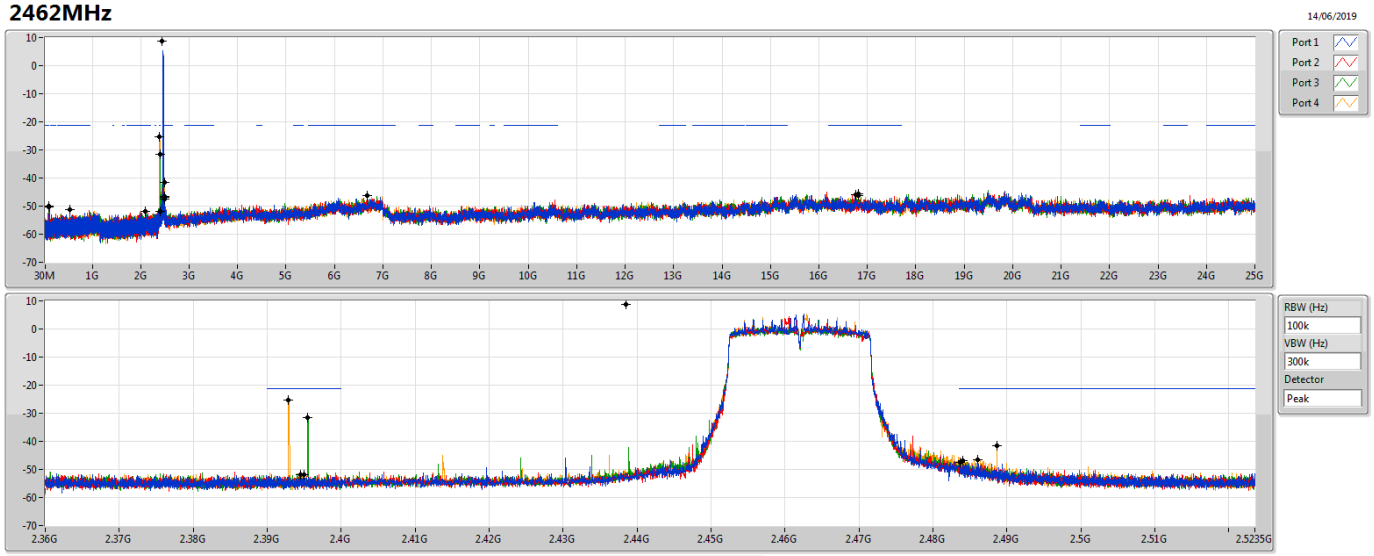
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43849G	8.87	-21.13	427.85M	-52.42	2.39964G	-47.74	2.48366G	-47.72	16.43364G	-46.05	1
2.43849G	8.87	-21.13	543.77M	-51.81	2.3994G	-48.22	2.48966G	-49.92	24.51395G	-45.82	2
2.43849G	8.87	-21.13	544.06M	-51.16	2.39692G	-48.02	2.48418G	-48.88	6.89518G	-46.08	3
2.43849G	8.87	-21.13	191.94M	-50.70	2.39742G	-48.82	2.4878G	-45.64	16.49264G	-45.94	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **CSE NdB**

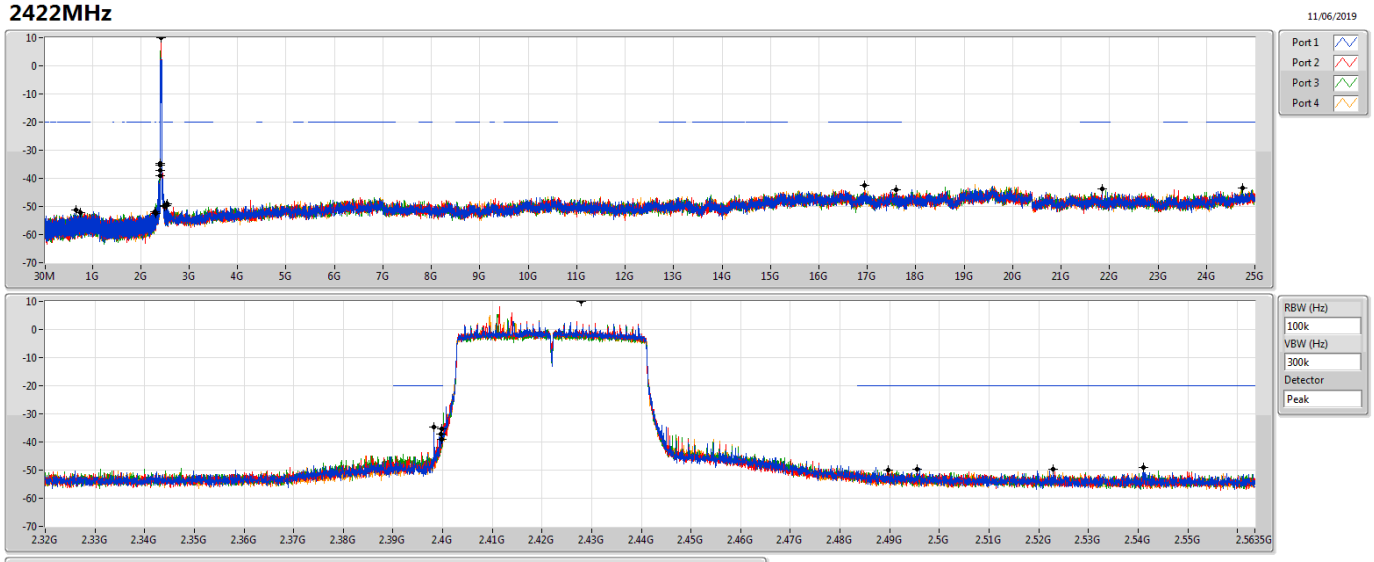
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43849G	8.87	-21.13	2.09467G	-51.80	2.39452G	-52.03	2.48366G	-47.64	16.75393G	-46.03	1
2.43849G	8.87	-21.13	543.77M	-51.18	2.39494G	-51.72	2.48402G	-46.93	6.67041G	-46.10	2
2.43849G	8.87	-21.13	95.82M	-50.33	2.39546G	-31.47	2.48598G	-46.58	16.81013G	-45.47	3
2.43849G	8.87	-21.13	95.82M	-50.05	2.3929G	-25.46	2.48864G	-41.58	16.81855G	-46.12	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **CSE NdB**

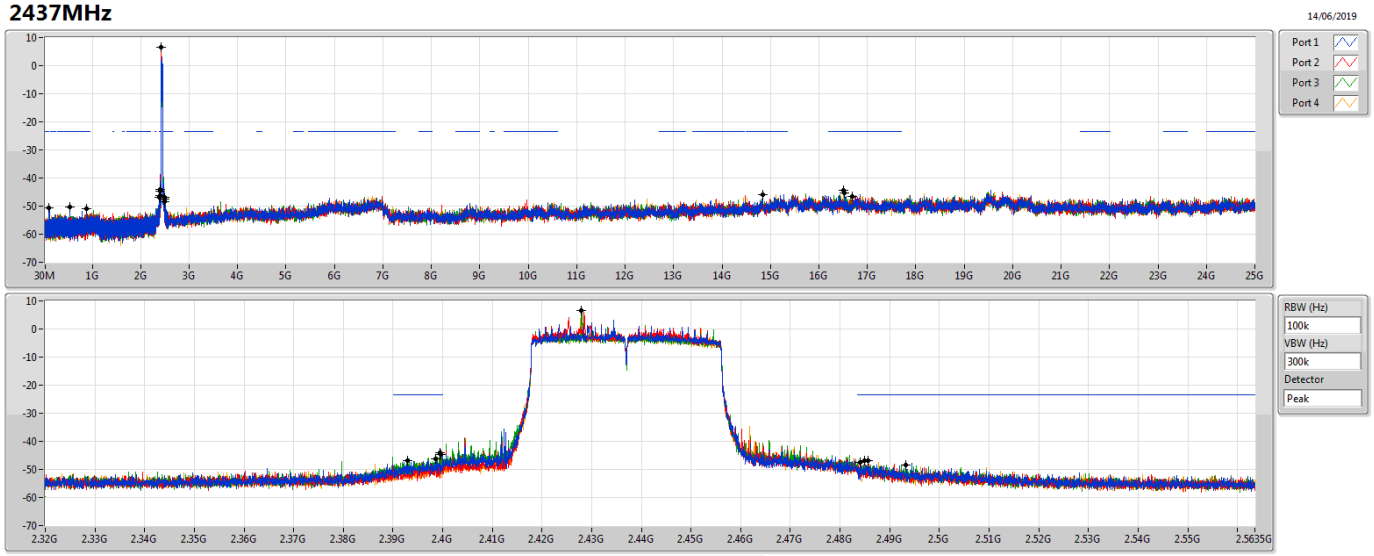
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42797G	9.91	-20.09	2.30397G	-52.41	2.39824G	-34.64	2.54114G	-49.04	21.84767G	-43.90	1
2.42797G	9.91	-20.09	662.04M	-51.34	2.39984G	-35.45	2.49558G	-49.83	17.59035G	-44.20	2
2.42797G	9.91	-20.09	752.78M	-52.20	2.39956G	-37.11	2.48962G	-49.97	24.73918G	-43.48	3
2.42797G	9.91	-20.09	2.30139G	-51.76	2.39988G	-38.97	2.52286G	-49.77	16.95091G	-42.61	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **CSE NdB**

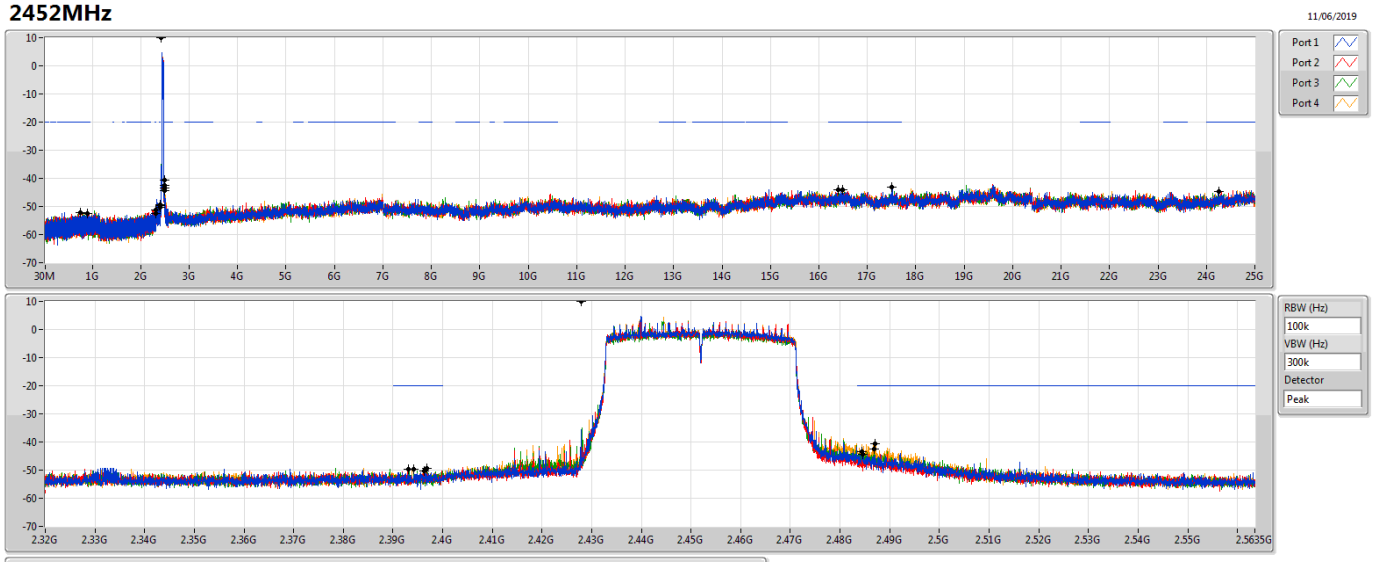
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42797G	6.49	-23.51	544.11M	-50.22	2.39852G	-46.28	2.48402G	-47.64	14.84748G	-45.83	1
2.42797G	6.49	-23.51	875.01M	-51.07	2.39948G	-44.20	2.4857G	-46.89	16.69289G	-46.47	2
2.42797G	6.49	-23.51	95.84M	-50.52	2.39964G	-44.70	2.49322G	-48.37	16.52181G	-45.46	3
2.42797G	6.49	-23.51	543.82M	-50.20	2.39288G	-46.92	2.4849G	-46.94	16.49937G	-44.50	4

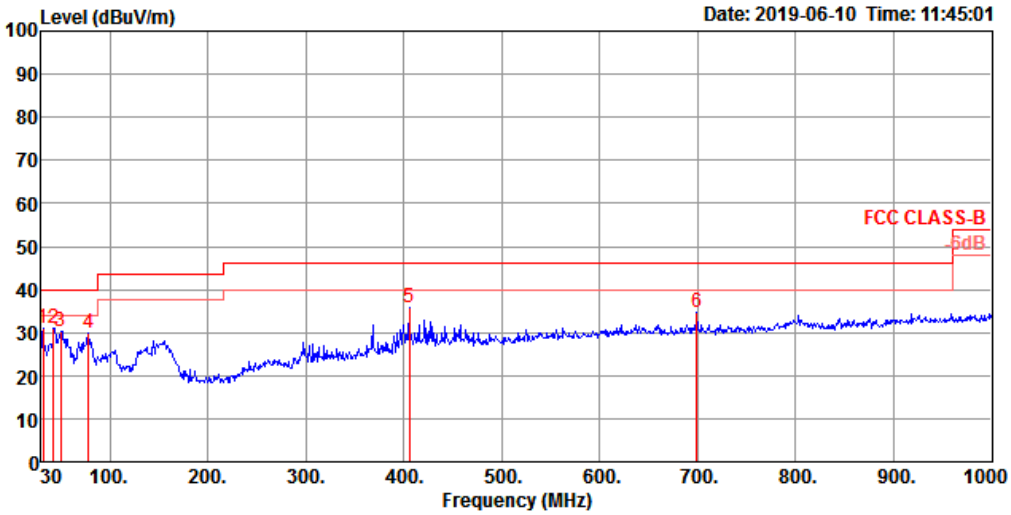
802.11ax HEW40-BF_Nss1,(MCS0)_4TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42797G	9.91	-20.09	2.30512G	-51.33	2.39312G	-49.83	2.48446G	-43.57	17.5034G	-43.18	1
2.42797G	9.91	-20.09	757.65M	-52.14	2.39688G	-49.48	2.4845G	-44.25	16.49096G	-43.97	2
2.42797G	9.91	-20.09	901.06M	-52.42	2.39416G	-49.84	2.48694G	-42.57	24.2652G	-44.66	3
2.42797G	9.91	-20.09	2.30626G	-52.49	2.3962G	-50.16	2.48698G	-40.70	16.40121G	-44.07	4

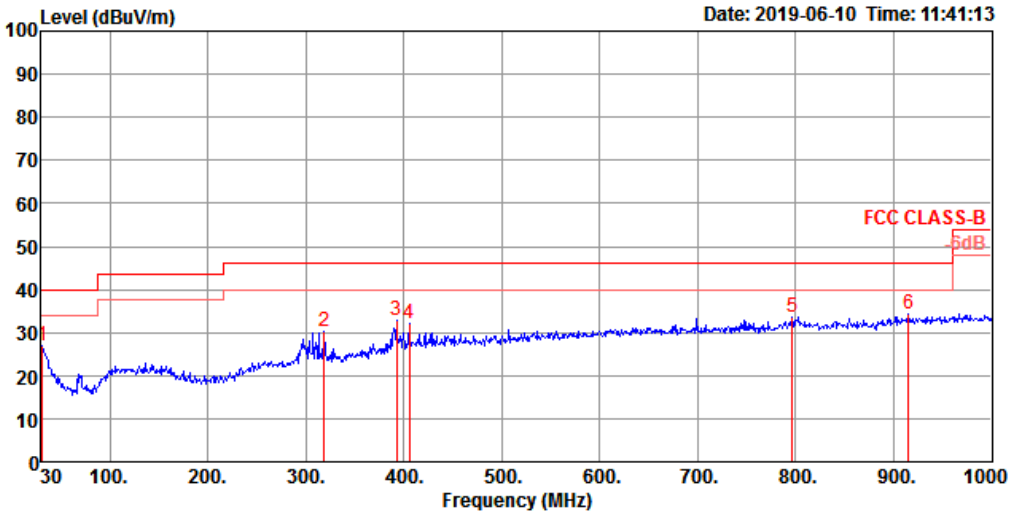
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	30.96	40.00	-9.04	39.71	0.52	22.93	32.20	100	295	Peak	VERTICAL
2	42.61	31.09	40.00	-8.91	45.68	0.64	16.98	32.21	100	0	Peak	VERTICAL
3	49.40	30.29	40.00	-9.71	47.87	0.72	13.88	32.18	125	351	Peak	VERTICAL
4	78.50	29.96	40.00	-10.04	48.79	0.89	12.41	32.13	150	248	Peak	VERTICAL
5	405.39	35.94	46.00	-10.06	43.93	2.17	21.91	32.07	125	174	Peak	VERTICAL
6	699.30	34.77	46.00	-11.23	38.71	2.85	25.10	31.89	200	206	Peak	VERTICAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	26.92	40.00	-13.08	35.09	0.51	23.51	32.19	200	190	Peak	HORIZONTAL
2	319.06	30.22	46.00	-15.78	40.83	1.92	19.45	31.98	100	232	Peak	HORIZONTAL
3	392.78	32.81	46.00	-13.19	41.40	2.13	21.34	32.06	100	8	Peak	HORIZONTAL
4	405.39	32.23	46.00	-13.77	40.22	2.17	21.91	32.07	200	116	Peak	HORIZONTAL
5	796.30	33.73	46.00	-12.27	36.15	3.07	26.18	31.67	100	101	Peak	HORIZONTAL
6	915.61	34.41	46.00	-11.59	35.75	3.16	26.57	31.07	100	139	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

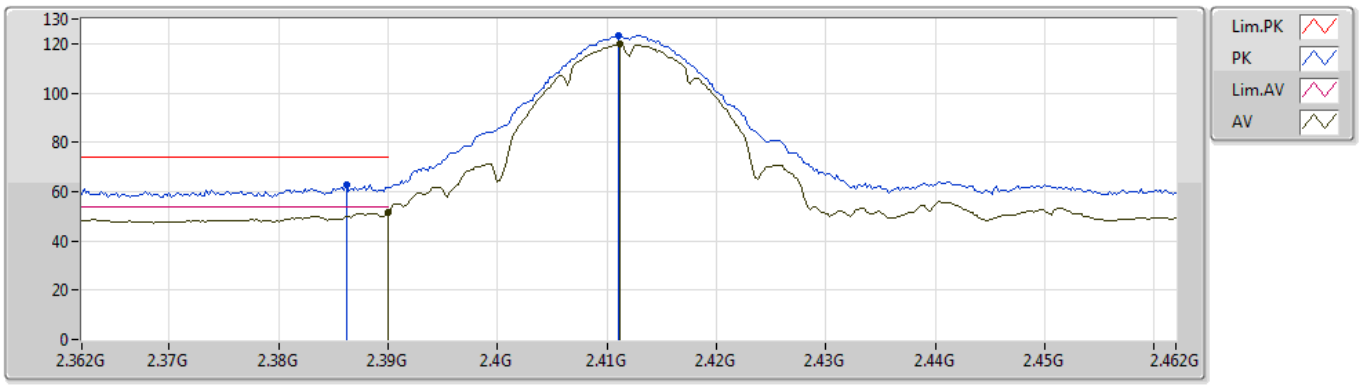
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_4TX	Pass	AV	2.4835G	53.99	54.00	-0.01	31.39	3	Vertical	103	2.76	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

04/06/2019



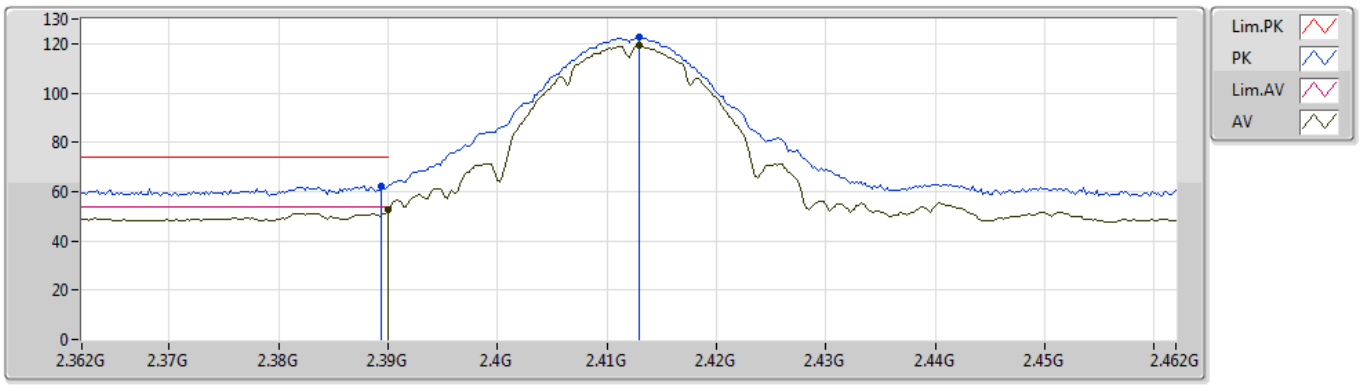
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3862G	62.49	74.00	-11.51	31.20	3	Vertical	90	1.39	-
AV	2.39G	51.82	54.00	-2.18	31.20	3	Vertical	90	1.39	-
PK	2.411G	123.19	Inf	-Inf	31.25	3	Vertical	90	1.39	-
AV	2.4112G	119.66	Inf	-Inf	31.25	3	Vertical	90	1.39	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

04/06/2019



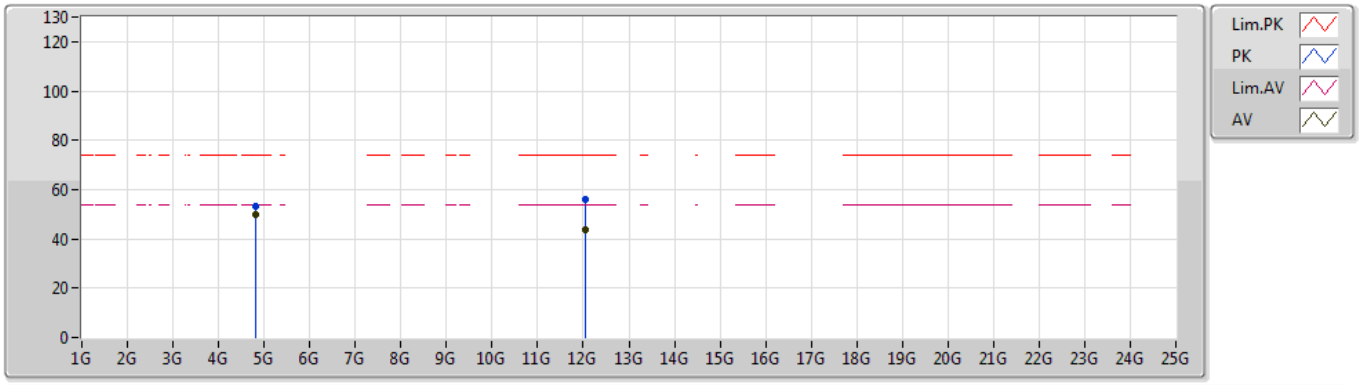
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	62.05	74.00	-11.95	31.20	3	Horizontal	53	1.96	-
AV	2.39G	52.59	54.00	-1.41	31.20	3	Horizontal	53	1.96	-
PK	2.413G	122.55	Inf	-Inf	31.26	3	Horizontal	53	1.96	-
AV	2.413G	119.25	Inf	-Inf	31.26	3	Horizontal	53	1.96	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

04/06/2019



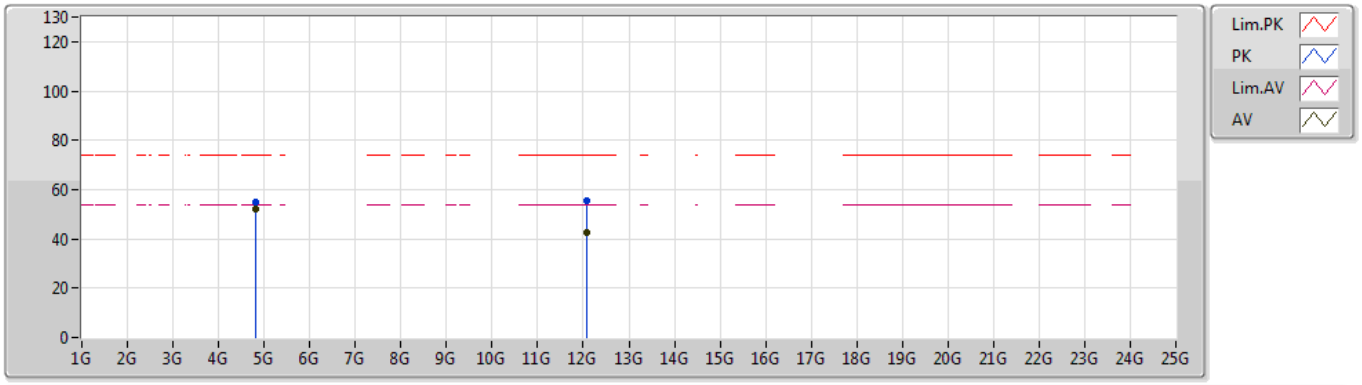
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82404G	53.51	74.00	-20.49	7.17	3	Vertical	194	2.30	-
AV	4.82396G	49.65	54.00	-4.35	7.17	3	Vertical	194	2.30	-
PK	12.06112G	55.76	74.00	-18.24	15.57	3	Vertical	169	2.96	-
AV	12.06148G	43.80	54.00	-10.20	15.57	3	Vertical	169	2.96	-

802.11b_Nss1,(1Mbps)_4TX

2412MHz_TX

04/06/2019



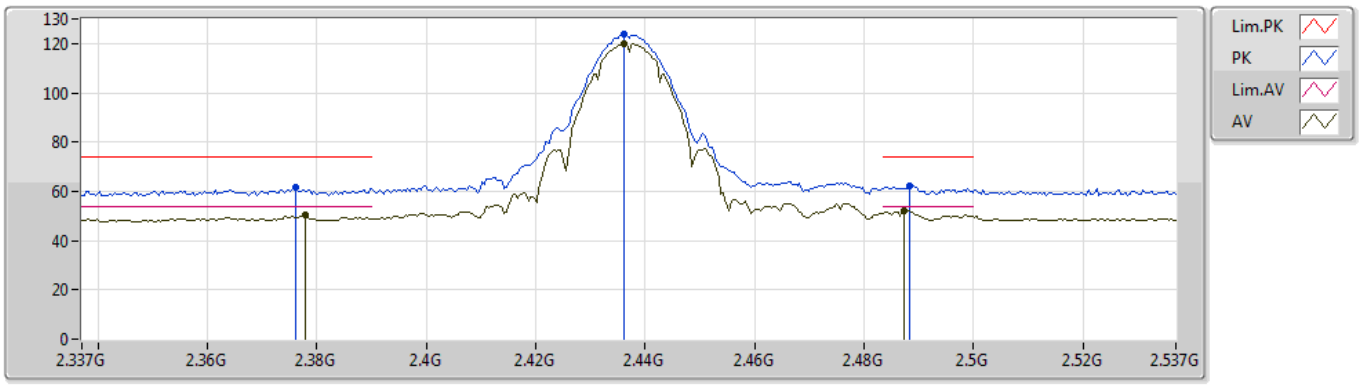
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82388G	54.73	74.00	-19.27	7.17	3	Horizontal	126	1.45	-
AV	4.82394G	52.34	54.00	-1.66	7.17	3	Horizontal	126	1.45	-
PK	12.06704G	55.73	74.00	-18.27	15.57	3	Horizontal	194	1.49	-
AV	12.06198G	42.71	54.00	-11.29	15.57	3	Horizontal	194	1.49	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

04/06/2019



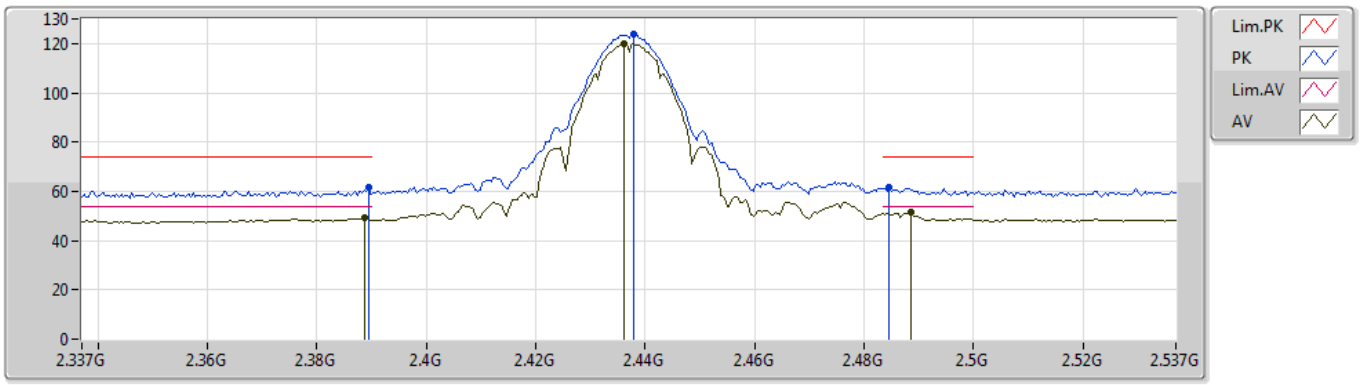
EUT Z_4TX
Setting 27
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3762G	61.38	74.00	-12.62	31.17	3	Vertical	80	2.06	-
AV	2.3778G	50.28	54.00	-3.72	31.17	3	Vertical	80	2.06	-
PK	2.4362G	123.65	Inf	-Inf	31.30	3	Vertical	80	2.06	-
AV	2.4362G	120.09	Inf	-Inf	31.30	3	Vertical	80	2.06	-
PK	2.4882G	62.24	74.00	-11.76	31.41	3	Vertical	80	2.06	-
AV	2.4874G	52.28	54.00	-1.72	31.40	3	Vertical	80	2.06	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

04/06/2019



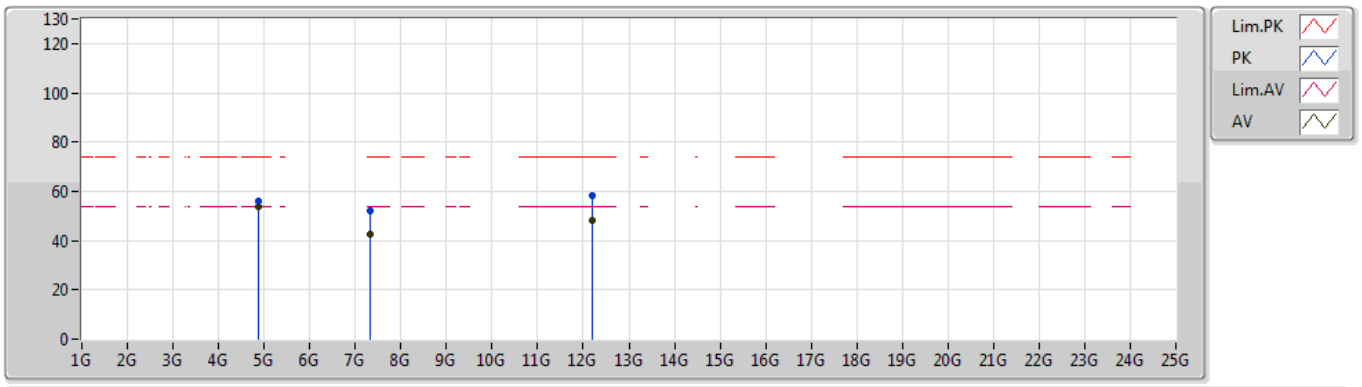
EUT Z_4TX
Setting 27
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	61.47	74.00	-12.53	31.20	3	Horizontal	182	2.24	-
AV	2.3886G	49.11	54.00	-4.89	31.20	3	Horizontal	182	2.24	-
PK	2.4378G	123.59	Inf	-Inf	31.31	3	Horizontal	182	2.24	-
AV	2.4362G	120.01	Inf	-Inf	31.30	3	Horizontal	182	2.24	-
PK	2.4846G	61.68	74.00	-12.32	31.40	3	Horizontal	182	2.24	-
AV	2.4886G	51.42	54.00	-2.58	31.41	3	Horizontal	182	2.24	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

04/06/2019



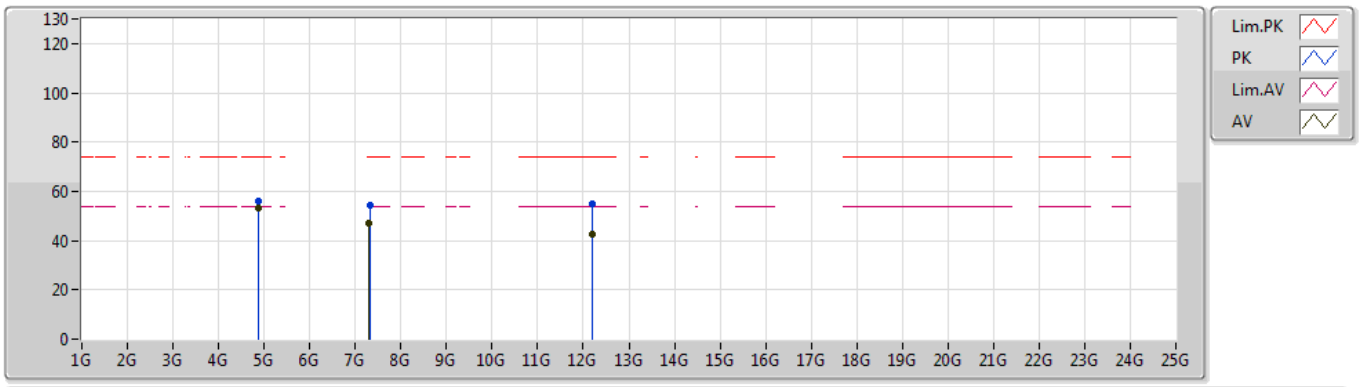
EUT Z_4TX
Setting 27
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87384G	55.97	74.00	-18.03	7.28	3	Vertical	330	2.74	-
AV	4.87392G	53.73	54.00	-0.27	7.28	3	Vertical	330	2.74	-
PK	7.31176G	52.13	74.00	-21.87	10.55	3	Vertical	166	2.66	-
AV	7.31022G	42.76	54.00	-11.24	10.54	3	Vertical	166	2.66	-
PK	12.1867G	58.40	74.00	-15.60	15.61	3	Vertical	165	2.81	-
AV	12.18374G	48.14	54.00	-5.86	15.61	3	Vertical	165	2.81	-

802.11b_Nss1,(1Mbps)_4TX

2437MHz_TX

04/06/2019



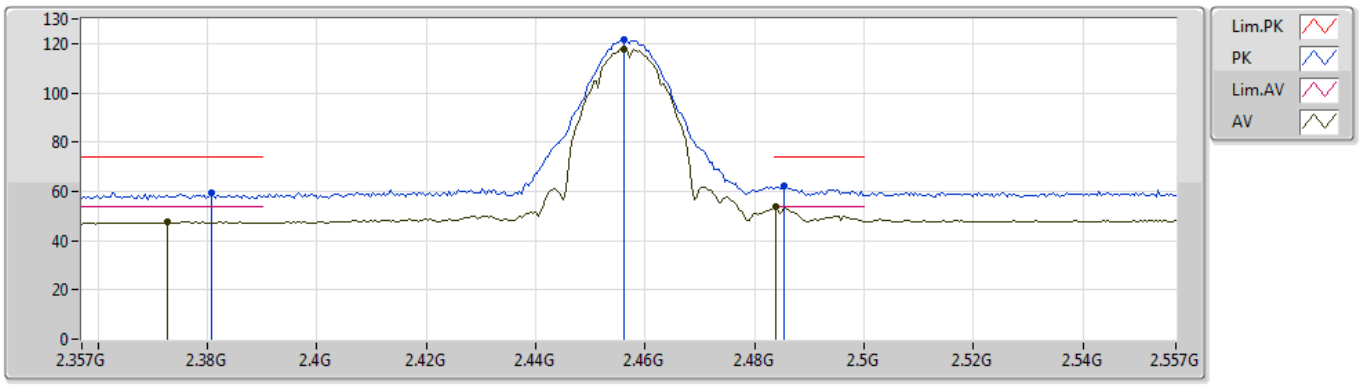
EUT Z_4TX
Setting 27
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87386G	55.81	74.00	-18.19	7.28	3	Horizontal	64	1.35	-
AV	4.87392G	53.38	54.00	-0.62	7.28	3	Horizontal	64	1.35	-
PK	7.31152G	54.26	74.00	-19.74	10.55	3	Horizontal	239	1.29	-
AV	7.31014G	46.79	54.00	-7.21	10.54	3	Horizontal	239	1.29	-
PK	12.18776G	54.97	74.00	-19.03	15.61	3	Horizontal	240	1.24	-
AV	12.18634G	42.43	54.00	-11.57	15.61	3	Horizontal	240	1.24	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

04/06/2019



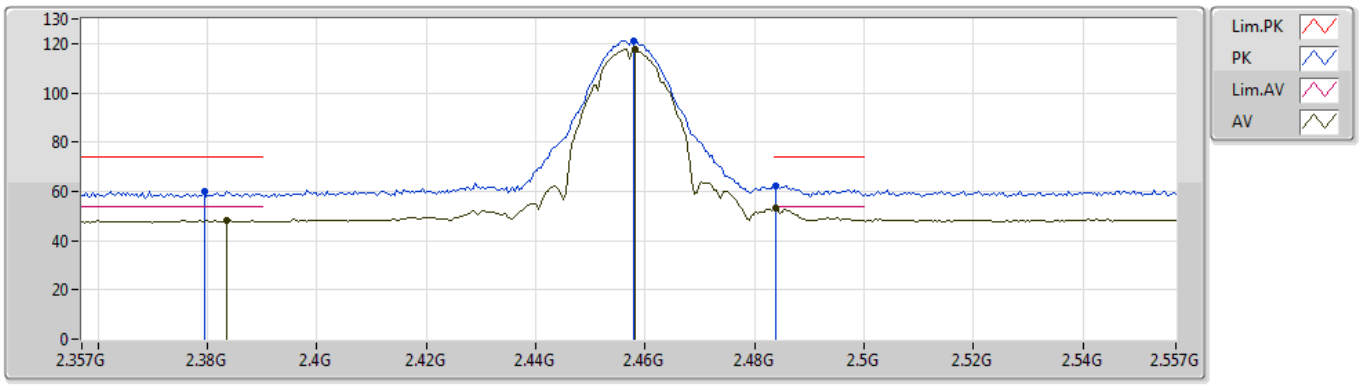
EUT Z_4TX
Setting 24
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3806G	59.56	74.00	-14.44	31.19	3	Vertical	199	1.70	-
AV	2.3726G	47.53	54.00	-6.47	31.16	3	Vertical	199	1.70	-
PK	2.4562G	121.47	Inf	-Inf	31.34	3	Vertical	199	1.70	-
AV	2.4562G	117.95	Inf	-Inf	31.34	3	Vertical	199	1.70	-
PK	2.4854G	62.39	74.00	-11.61	31.40	3	Vertical	199	1.70	-
AV	2.4838G	53.63	54.00	-0.37	31.39	3	Vertical	199	1.70	-

802.11b_Nss1,(1Mbps)_4TX

2457MHz_TX

04/06/2019



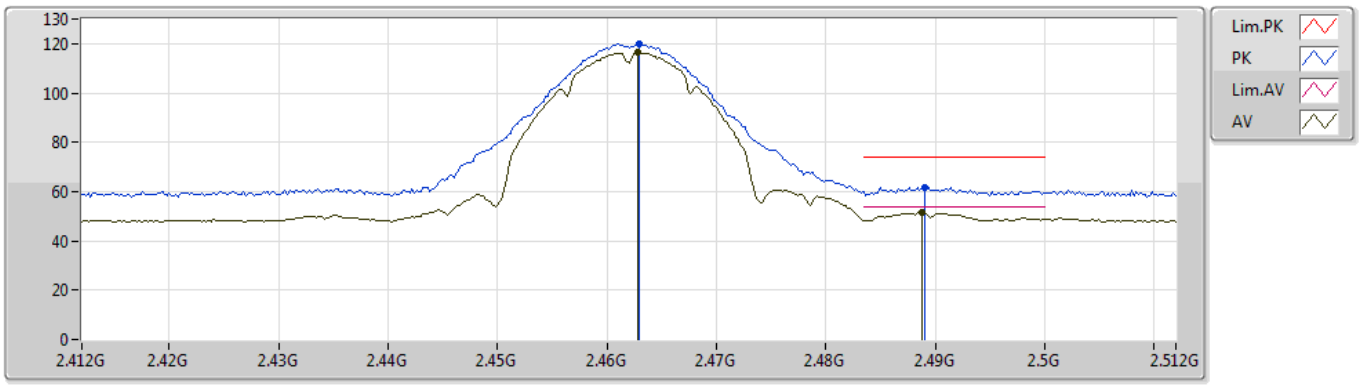
EUT Z_4TX
Setting 24
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3794G	59.87	74.00	-14.13	31.18	3	Horizontal	177	2.02	-
AV	2.3834G	48.23	54.00	-5.77	31.19	3	Horizontal	177	2.02	-
PK	2.4578G	120.99	Inf	-Inf	31.34	3	Horizontal	177	2.02	-
AV	2.4582G	117.55	Inf	-Inf	31.34	3	Horizontal	177	2.02	-
PK	2.4838G	62.37	74.00	-11.63	31.39	3	Horizontal	177	2.02	-
AV	2.4838G	53.08	54.00	-0.92	31.39	3	Horizontal	177	2.02	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

04/06/2019



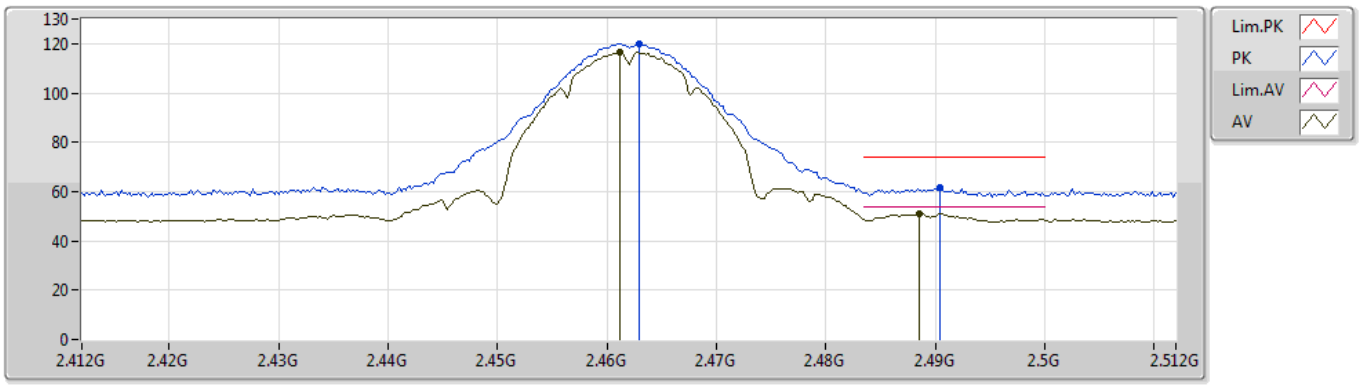
EUT Z_4TX
Setting 22.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	120.04	Inf	-Inf	31.36	3	Vertical	97	1.50	-
AV	2.4628G	116.48	Inf	-Inf	31.36	3	Vertical	97	1.50	-
PK	2.489G	61.88	74.00	-12.12	31.41	3	Vertical	97	1.50	-
AV	2.4888G	51.41	54.00	-2.59	31.41	3	Vertical	97	1.50	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

04/06/2019



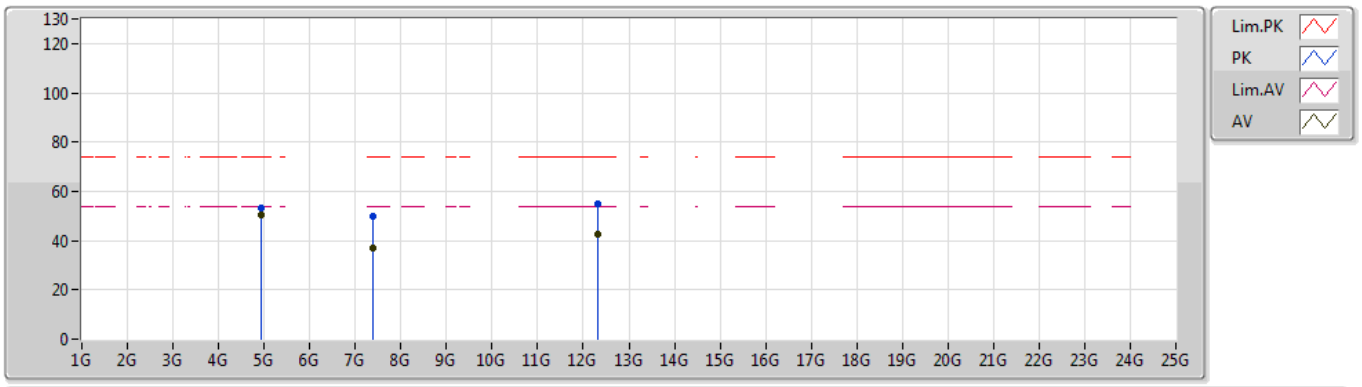
EUT Z_4TX
Setting 22.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.463G	120.02	Inf	-Inf	31.36	3	Horizontal	172	1.47	-
AV	2.4612G	116.51	Inf	-Inf	31.35	3	Horizontal	172	1.47	-
PK	2.4904G	61.51	74.00	-12.49	31.41	3	Horizontal	172	1.47	-
AV	2.4886G	50.92	54.00	-3.08	31.41	3	Horizontal	172	1.47	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

04/06/2019



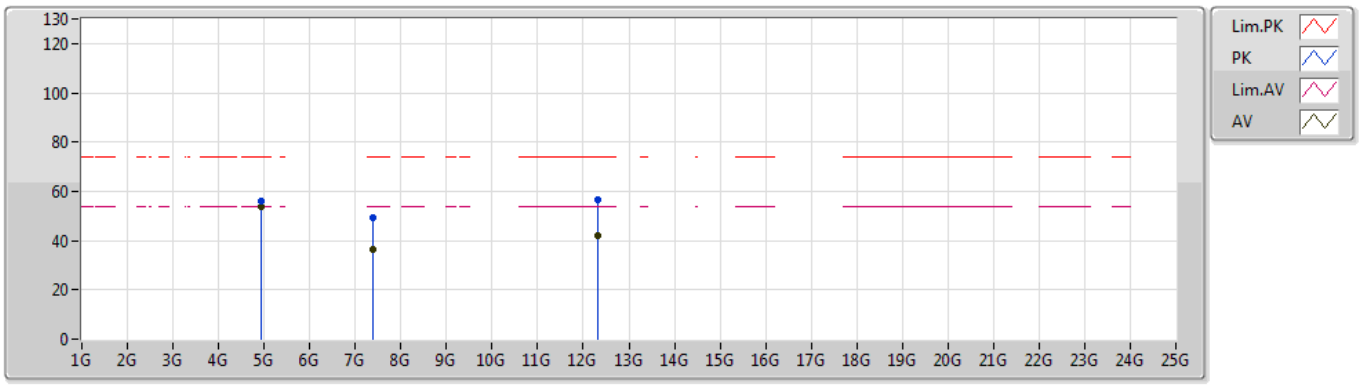
EUT Z_4TX
Setting 22.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92394G	53.38	74.00	-20.62	7.40	3	Vertical	326	1.38	-
AV	4.92398G	50.38	54.00	-3.62	7.40	3	Vertical	326	1.38	-
PK	7.38602G	49.63	74.00	-24.37	10.76	3	Vertical	166	2.70	-
AV	7.38892G	36.82	54.00	-17.18	10.78	3	Vertical	166	2.70	-
PK	12.30864G	54.66	74.00	-19.34	15.66	3	Vertical	156	2.72	-
AV	12.30832G	42.45	54.00	-11.55	15.66	3	Vertical	156	2.72	-

802.11b_Nss1,(1Mbps)_4TX

2462MHz_TX

04/06/2019



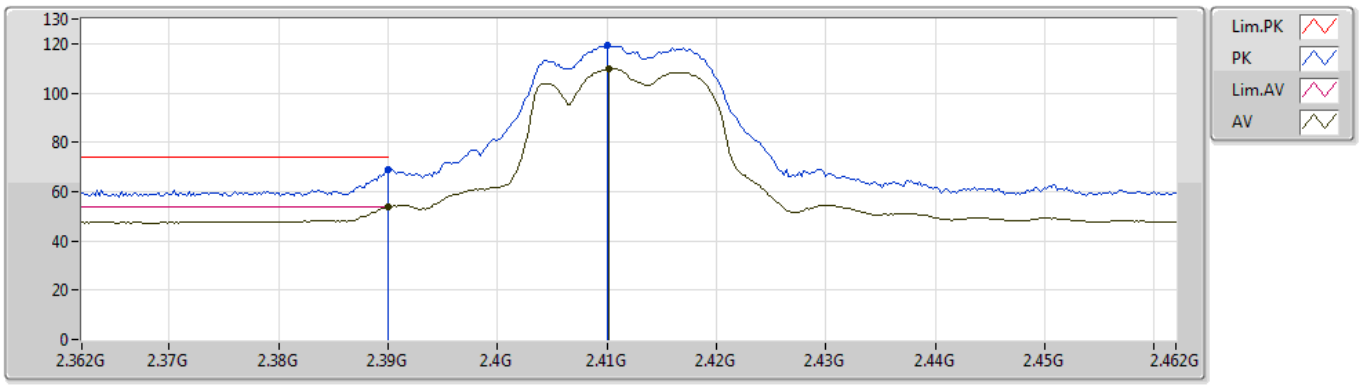
EUT Z_4TX
Setting 22.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92392G	56.13	74.00	-17.87	7.40	3	Horizontal	68	2.11	-
AV	4.92394G	53.94	54.00	-0.06	7.40	3	Horizontal	68	2.11	-
PK	7.3823G	49.10	74.00	-24.90	10.75	3	Horizontal	63	2.64	-
AV	7.38244G	36.44	54.00	-17.56	10.75	3	Horizontal	63	2.64	-
PK	12.30968G	56.57	74.00	-17.43	15.66	3	Horizontal	77	2.29	-
AV	12.30794G	42.26	54.00	-11.74	15.66	3	Horizontal	77	2.29	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

04/06/2019



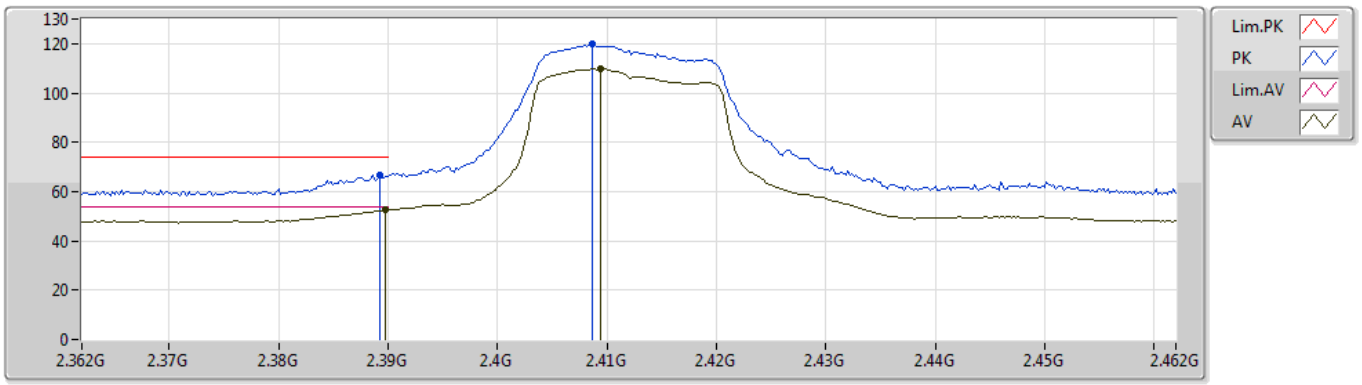
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	68.83	74.00	-5.17	31.20	3	Vertical	43	2.47	-
AV	2.39G	53.64	54.00	-0.36	31.20	3	Vertical	43	2.47	-
PK	2.41G	119.44	Inf	-Inf	31.25	3	Vertical	43	2.47	-
AV	2.4102G	109.63	Inf	-Inf	31.25	3	Vertical	43	2.47	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

04/06/2019



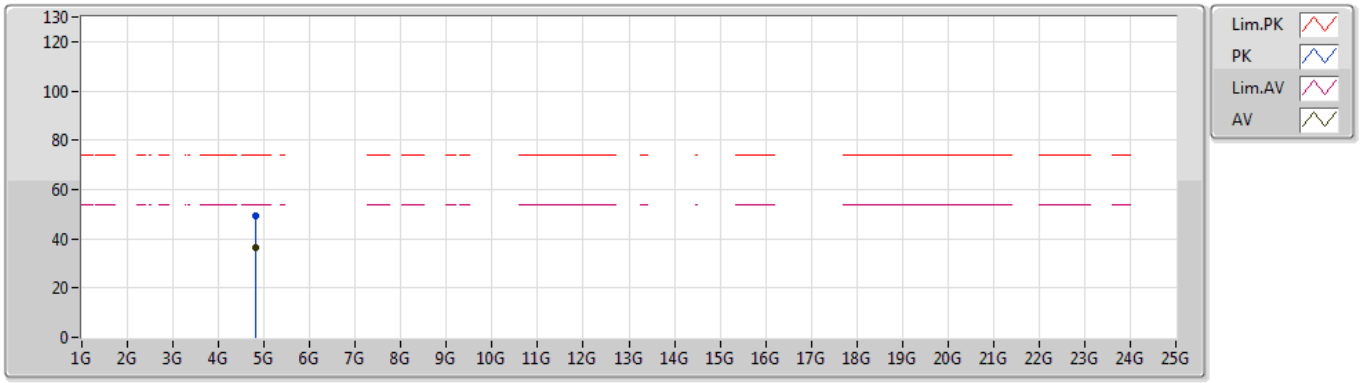
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3892G	66.79	74.00	-7.21	31.20	3	Horizontal	170	1.35	-
AV	2.3898G	52.60	54.00	-1.40	31.20	3	Horizontal	170	1.35	-
PK	2.4086G	120.02	Inf	-Inf	31.24	3	Horizontal	170	1.35	-
AV	2.4094G	109.74	Inf	-Inf	31.25	3	Horizontal	170	1.35	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

04/06/2019



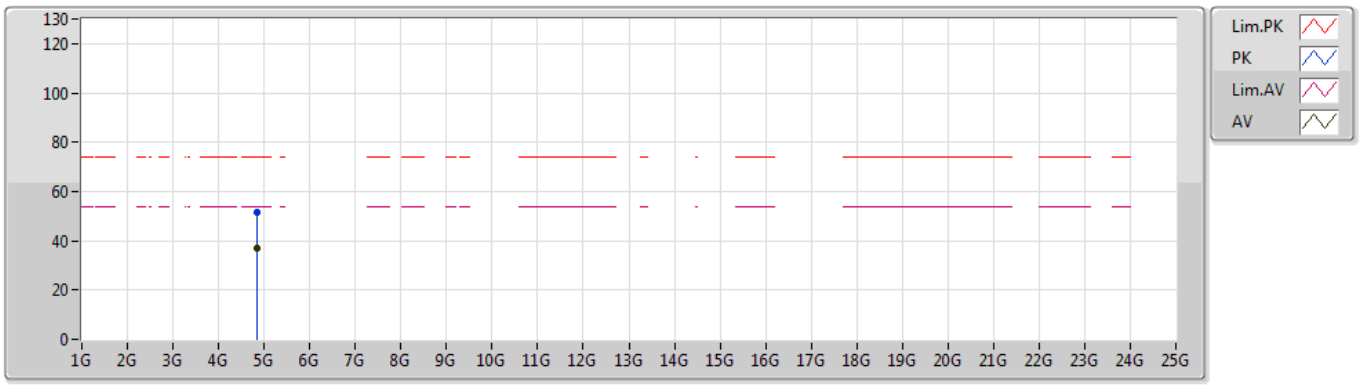
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82076G	49.47	74.00	-24.53	7.16	3	Vertical	355	2.45	-
AV	4.82202G	36.52	54.00	-17.48	7.16	3	Vertical	355	2.45	-

802.11g_Nss1,(6Mbps)_4TX

2412MHz_TX

04/06/2019



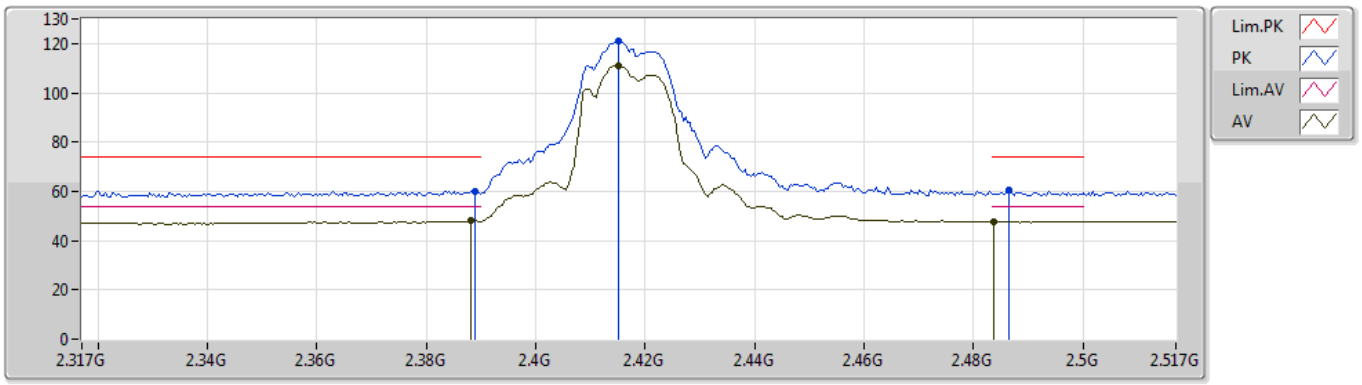
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82898G	51.49	74.00	-22.51	7.19	3	Horizontal	71	1.27	-
AV	4.82934G	37.21	54.00	-16.79	7.19	3	Horizontal	71	1.27	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

04/06/2019



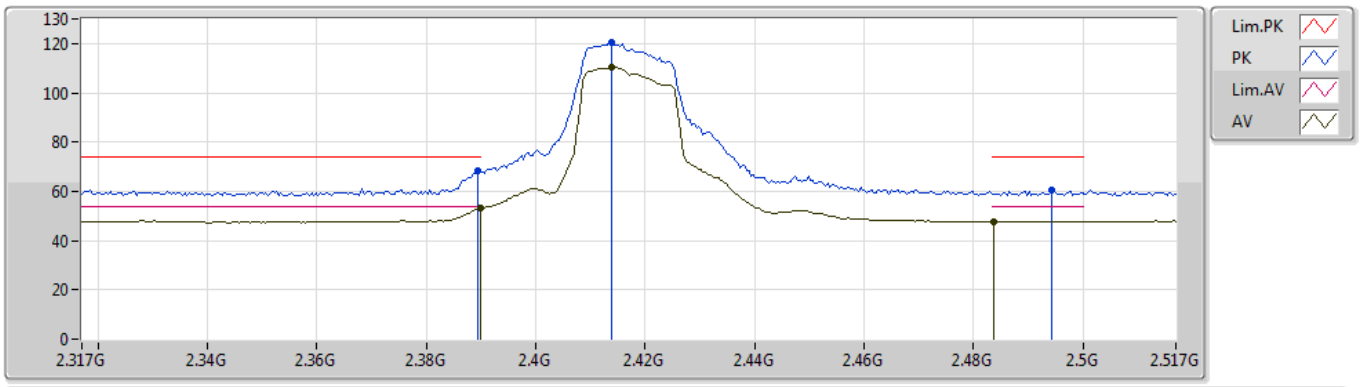
EUT Z_4TX
Setting 21.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	60.20	74.00	-13.80	31.20	3	Vertical	53	2.61	-
AV	2.3882G	48.08	54.00	-5.92	31.20	3	Vertical	53	2.61	-
PK	2.415G	120.80	Inf	-Inf	31.26	3	Vertical	53	2.61	-
AV	2.415G	111.11	Inf	-Inf	31.26	3	Vertical	53	2.61	-
PK	2.4866G	60.48	74.00	-13.52	31.40	3	Vertical	53	2.61	-
AV	2.4838G	47.76	54.00	-6.24	31.39	3	Vertical	53	2.61	-

802.11g_Nss1,(6Mbps)_4TX

2417MHz_TX

04/06/2019



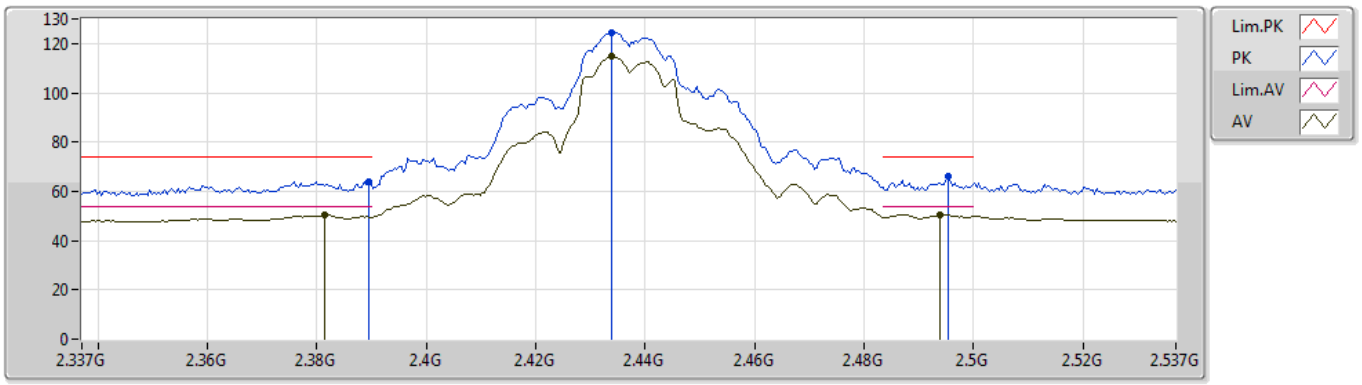
EUT Z_4TX
Setting 21.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	68.60	74.00	-5.40	31.20	3	Horizontal	176	2.97	-
AV	2.3898G	53.11	54.00	-0.89	31.20	3	Horizontal	176	2.97	-
PK	2.4138G	120.75	Inf	-Inf	31.26	3	Horizontal	176	2.97	-
AV	2.4138G	110.23	Inf	-Inf	31.26	3	Horizontal	176	2.97	-
PK	2.4942G	60.33	74.00	-13.67	31.42	3	Horizontal	176	2.97	-
AV	2.4838G	47.85	54.00	-6.15	31.39	3	Horizontal	176	2.97	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

04/06/2019



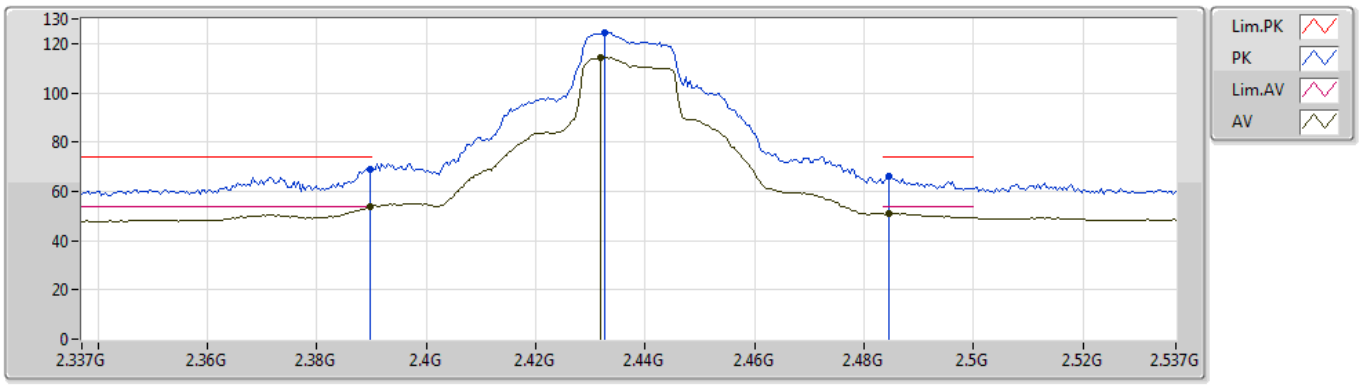
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	63.84	74.00	-10.16	31.20	3	Vertical	60	2.12	-
AV	2.3814G	50.19	54.00	-3.81	31.19	3	Vertical	60	2.12	-
PK	2.4338G	124.65	Inf	-Inf	31.29	3	Vertical	60	2.12	-
AV	2.4338G	114.91	Inf	-Inf	31.29	3	Vertical	60	2.12	-
PK	2.4954G	66.26	74.00	-7.74	31.42	3	Vertical	60	2.12	-
AV	2.4938G	50.59	54.00	-3.41	31.42	3	Vertical	60	2.12	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

04/06/2019



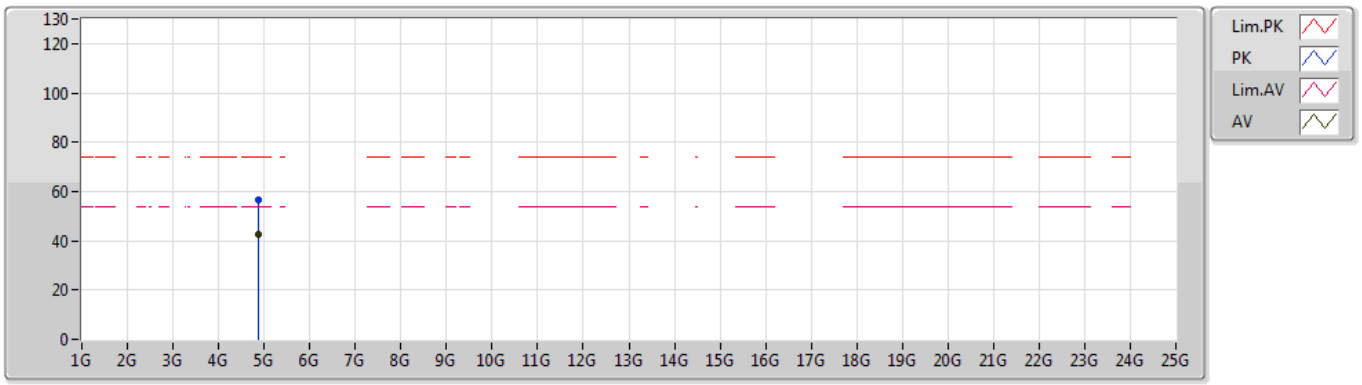
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3898G	68.93	74.00	-5.07	31.20	3	Horizontal	170	2.99	-
AV	2.3898G	53.71	54.00	-0.29	31.20	3	Horizontal	170	2.99	-
PK	2.4326G	124.50	Inf	-Inf	31.29	3	Horizontal	170	2.99	-
AV	2.4318G	114.48	Inf	-Inf	31.29	3	Horizontal	170	2.99	-
PK	2.4846G	66.10	74.00	-7.90	31.40	3	Horizontal	170	2.99	-
AV	2.4846G	51.11	54.00	-2.89	31.40	3	Horizontal	170	2.99	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

04/06/2019



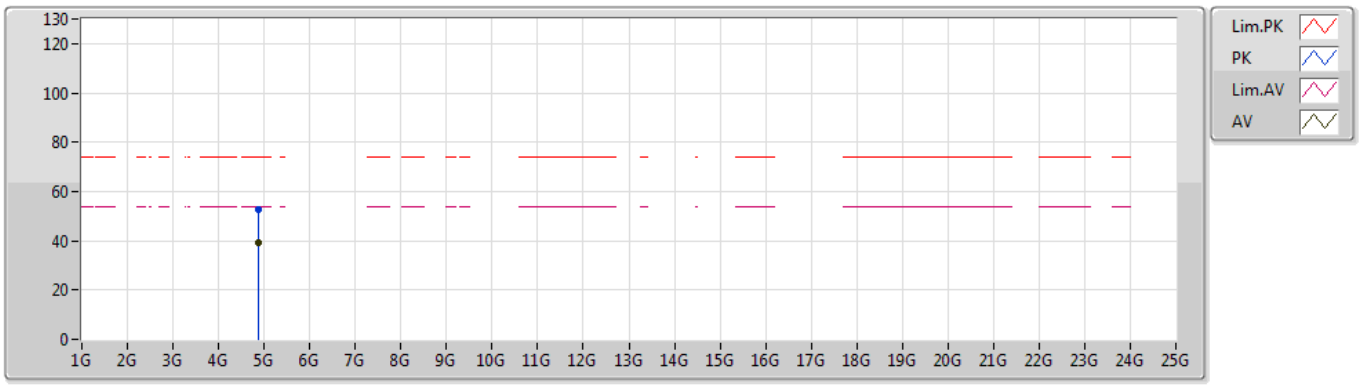
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87712G	56.65	74.00	-17.35	7.30	3	Vertical	185	2.23	-
AV	4.87778G	42.80	54.00	-11.20	7.30	3	Vertical	185	2.23	-

802.11g_Nss1,(6Mbps)_4TX

2437MHz_TX

04/06/2019



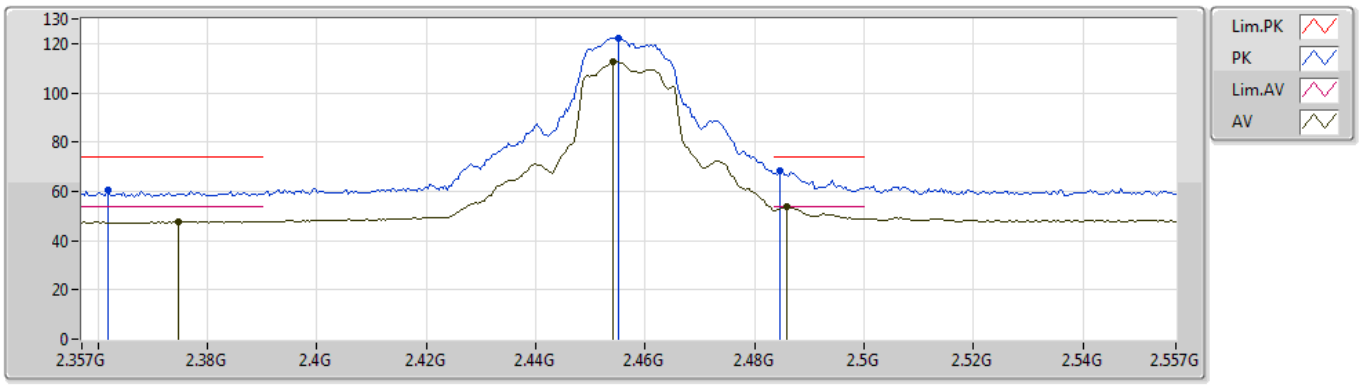
EUT Z_4TX
Setting 26
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87964G	52.51	74.00	-21.49	7.30	3	Horizontal	69	1.25	-
AV	4.88G	39.14	54.00	-14.86	7.30	3	Horizontal	69	1.25	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

04/06/2019



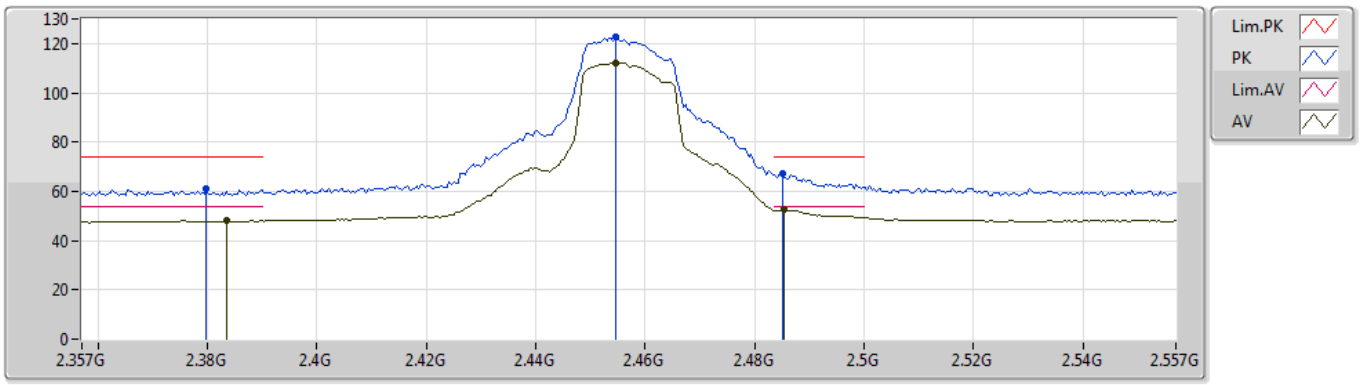
EUT Z_4TX
Setting 23
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3618G	60.25	74.00	-13.75	31.13	3	Vertical	54	1.96	-
AV	2.3746G	47.69	54.00	-6.31	31.16	3	Vertical	54	1.96	-
PK	2.455G	122.42	Inf	-Inf	31.34	3	Vertical	54	1.96	-
AV	2.4542G	112.49	Inf	-Inf	31.34	3	Vertical	54	1.96	-
PK	2.4846G	68.38	74.00	-5.62	31.40	3	Vertical	54	1.96	-
AV	2.4858G	53.63	54.00	-0.37	31.40	3	Vertical	54	1.96	-

802.11g_Nss1,(6Mbps)_4TX

2457MHz_TX

04/06/2019



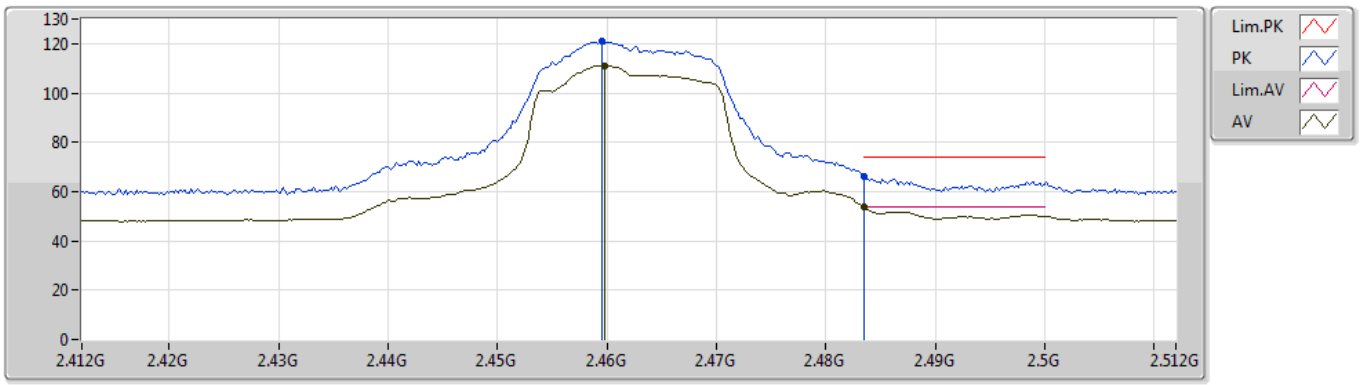
EUT Z_4TX
Setting 23
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3798G	60.86	74.00	-13.14	31.18	3	Horizontal	170	2.01	-
AV	2.3834G	48.00	54.00	-6.00	31.19	3	Horizontal	170	2.01	-
PK	2.4546G	122.94	Inf	-Inf	31.34	3	Horizontal	170	2.01	-
AV	2.4546G	112.28	Inf	-Inf	31.34	3	Horizontal	170	2.01	-
PK	2.485G	67.48	74.00	-6.52	31.40	3	Horizontal	170	2.01	-
AV	2.4854G	52.57	54.00	-1.43	31.40	3	Horizontal	170	2.01	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

04/06/2019



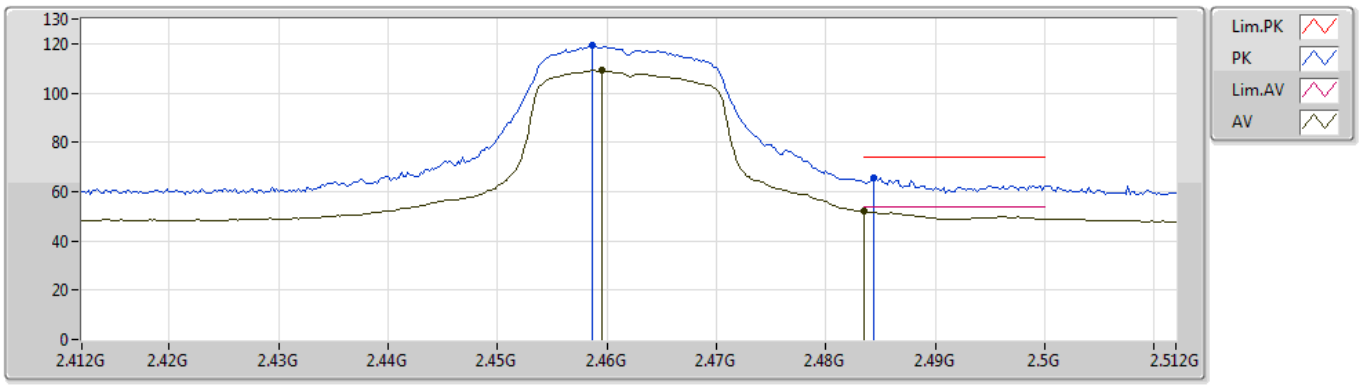
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4596G	120.76	Inf	-Inf	31.35	3	Vertical	103	2.76	-
AV	2.4598G	111.03	Inf	-Inf	31.35	3	Vertical	103	2.76	-
PK	2.4835G	66.40	74.00	-7.60	31.39	3	Vertical	103	2.76	-
AV	2.4835G	53.99	54.00	-0.01	31.39	3	Vertical	103	2.76	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

04/06/2019



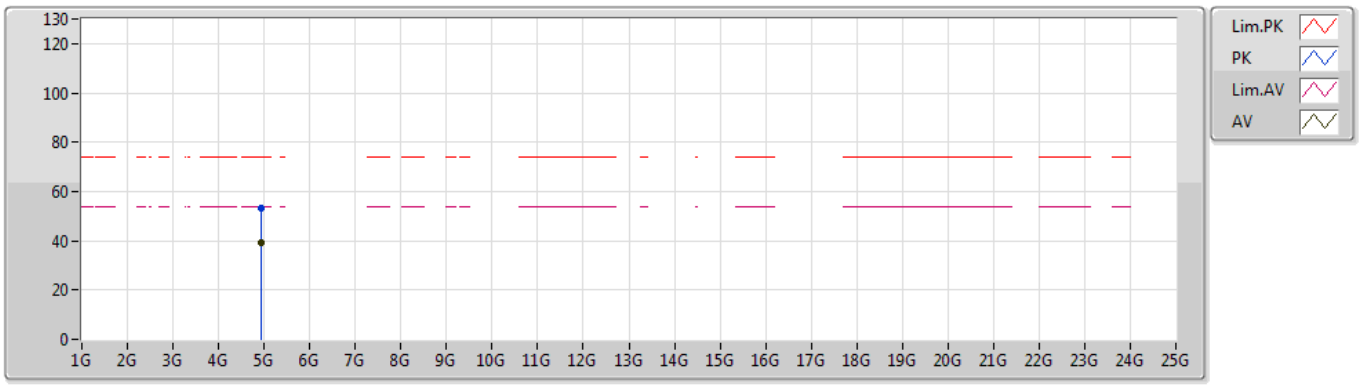
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4586G	119.38	Inf	-Inf	31.34	3	Horizontal	181	1.45	-
AV	2.4596G	109.11	Inf	-Inf	31.35	3	Horizontal	181	1.45	-
PK	2.4844G	65.41	74.00	-8.59	31.40	3	Horizontal	181	1.45	-
AV	2.4835G	51.95	54.00	-2.05	31.39	3	Horizontal	181	1.45	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

04/06/2019



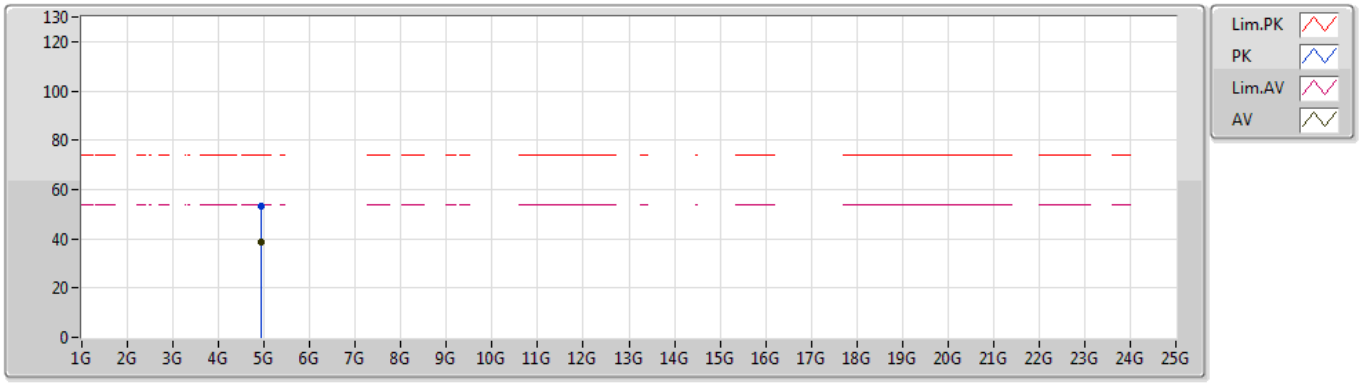
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91986G	53.48	74.00	-20.52	7.39	3	Vertical	140	1.50	-
AV	4.91998G	39.23	54.00	-14.77	7.39	3	Vertical	140	1.50	-

802.11g_Nss1,(6Mbps)_4TX

2462MHz_TX

04/06/2019



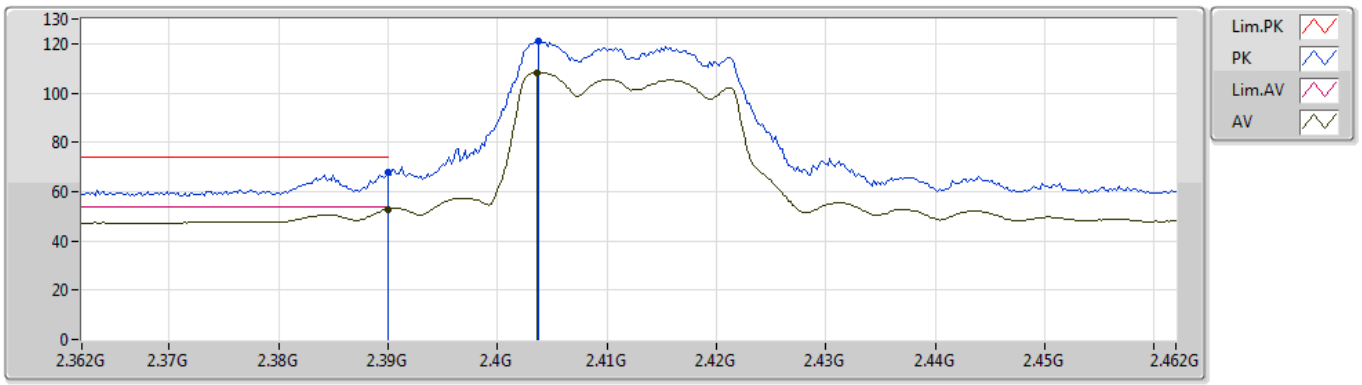
EUT Z_4TX
Setting 20.5
02-J-5
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92034G	53.03	74.00	-20.97	7.39	3	Horizontal	232	1.47	-
AV	4.92118G	38.88	54.00	-15.12	7.39	3	Horizontal	232	1.47	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

04/06/2019



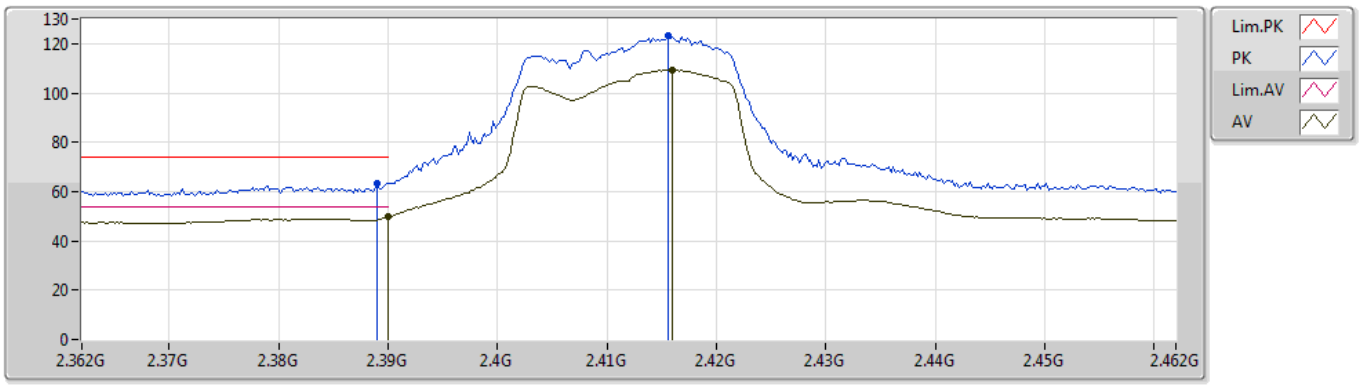
EUT Z_4TX
Setting 20.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	67.96	74.00	-6.04	31.20	3	Vertical	39	1.95	-
AV	2.39G	52.93	54.00	-1.07	31.20	3	Vertical	39	1.95	-
PK	2.4038G	120.93	Inf	-Inf	31.24	3	Vertical	39	1.95	-
AV	2.4036G	108.29	Inf	-Inf	31.24	3	Vertical	39	1.95	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

04/06/2019



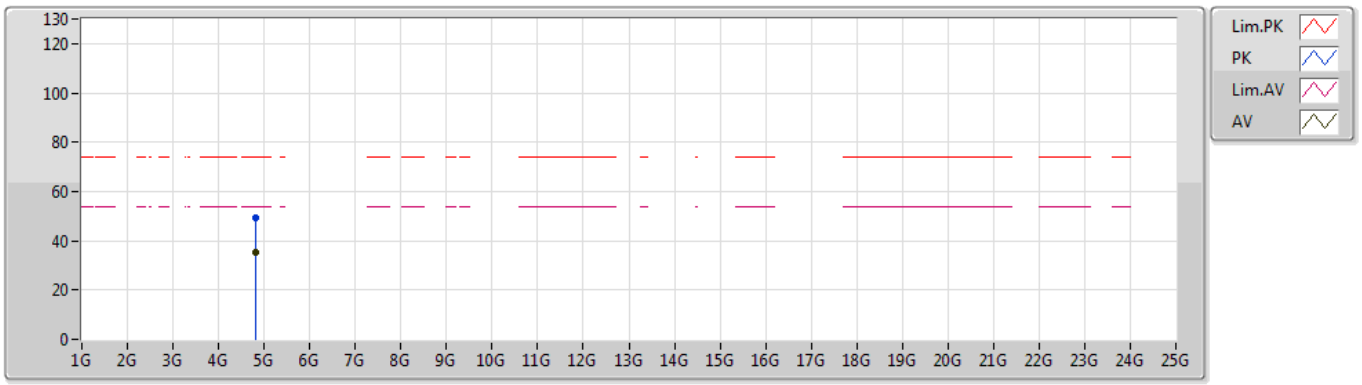
EUT Z_4TX
Setting 20.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	63.36	74.00	-10.64	31.20	3	Horizontal	176	2.99	-
AV	2.39G	49.68	54.00	-4.32	31.20	3	Horizontal	176	2.99	-
PK	2.4156G	123.27	Inf	-Inf	31.26	3	Horizontal	176	2.99	-
AV	2.416G	109.23	Inf	-Inf	31.27	3	Horizontal	176	2.99	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

04/06/2019



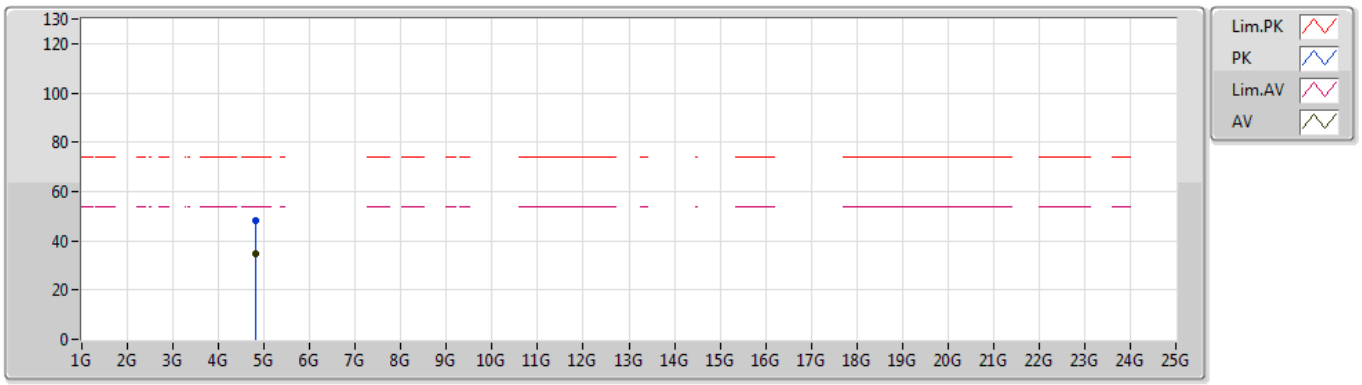
EUT Z_4TX
Setting 20.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82178G	49.20	74.00	-24.80	7.16	3	Vertical	353	2.66	-
AV	4.82238G	35.11	54.00	-18.89	7.16	3	Vertical	353	2.66	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2412MHz_TX

04/06/2019



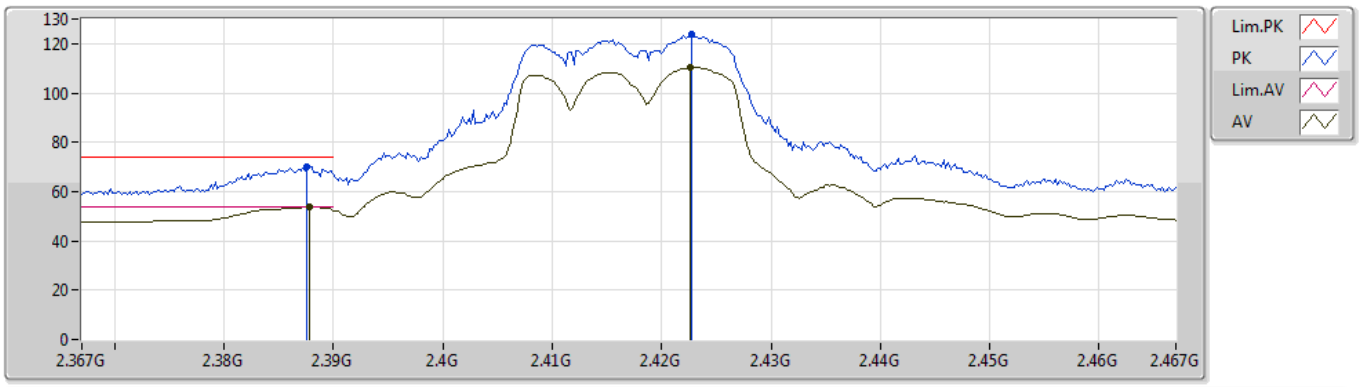
EUT Z_4TX
Setting 20.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82118G	48.27	74.00	-25.73	7.16	3	Horizontal	68	2.19	-
AV	4.8216G	34.58	54.00	-19.42	7.16	3	Horizontal	68	2.19	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

04/06/2019



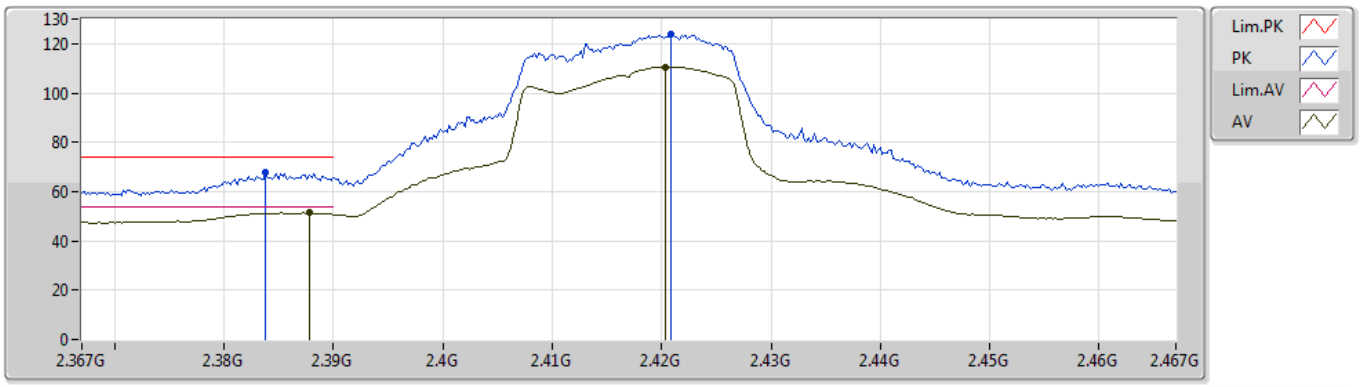
EUT Z_4TX
Setting 22
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3876G	70.29	74.00	-3.71	31.20	3	Vertical	255	2.37	-
AV	2.3878G	53.78	54.00	-0.22	31.20	3	Vertical	255	2.37	-
PK	2.4228G	123.56	Inf	-Inf	31.28	3	Vertical	255	2.37	-
AV	2.4226G	110.30	Inf	-Inf	31.28	3	Vertical	255	2.37	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2417MHz_TX

04/06/2019



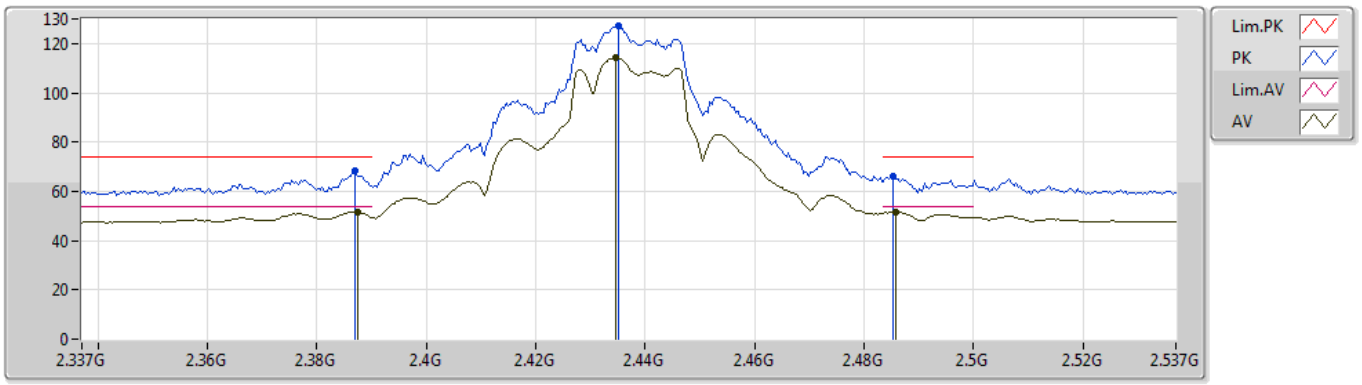
EUT Z_4TX
Setting 22
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3838G	67.97	74.00	-6.03	31.19	3	Horizontal	178	2.99	-
AV	2.3878G	51.36	54.00	-2.64	31.20	3	Horizontal	178	2.99	-
PK	2.4208G	123.98	Inf	-Inf	31.27	3	Horizontal	178	2.99	-
AV	2.4204G	110.64	Inf	-Inf	31.27	3	Horizontal	178	2.99	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



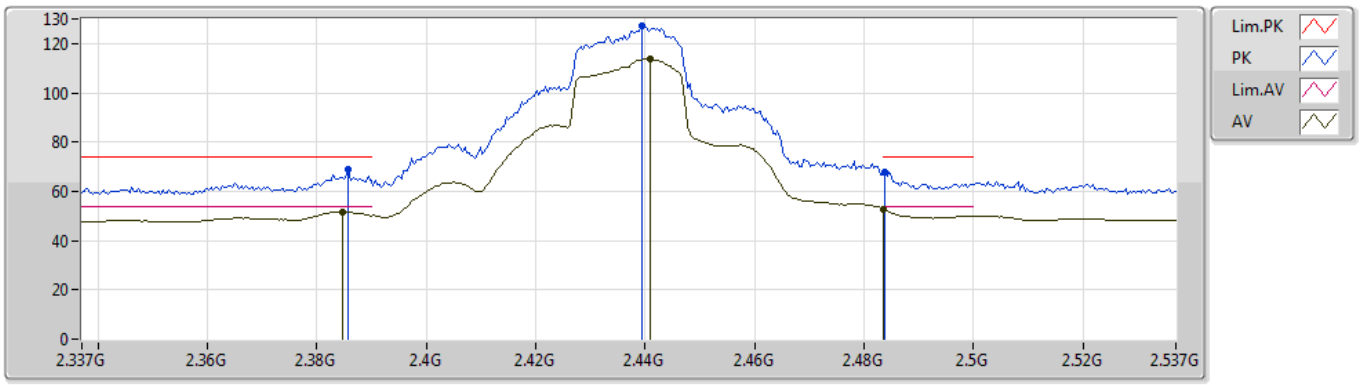
EUT Z_4TX
Setting 25.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.387G	68.55	74.00	-5.45	31.20	3	Vertical	53	2.62	-
AV	2.3874G	51.66	54.00	-2.34	31.20	3	Vertical	53	2.62	-
PK	2.435G	127.19	Inf	-Inf	31.30	3	Vertical	53	2.62	-
AV	2.4346G	114.04	Inf	-Inf	31.30	3	Vertical	53	2.62	-
PK	2.4854G	65.87	74.00	-8.13	31.40	3	Vertical	53	2.62	-
AV	2.4858G	51.83	54.00	-2.17	31.40	3	Vertical	53	2.62	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



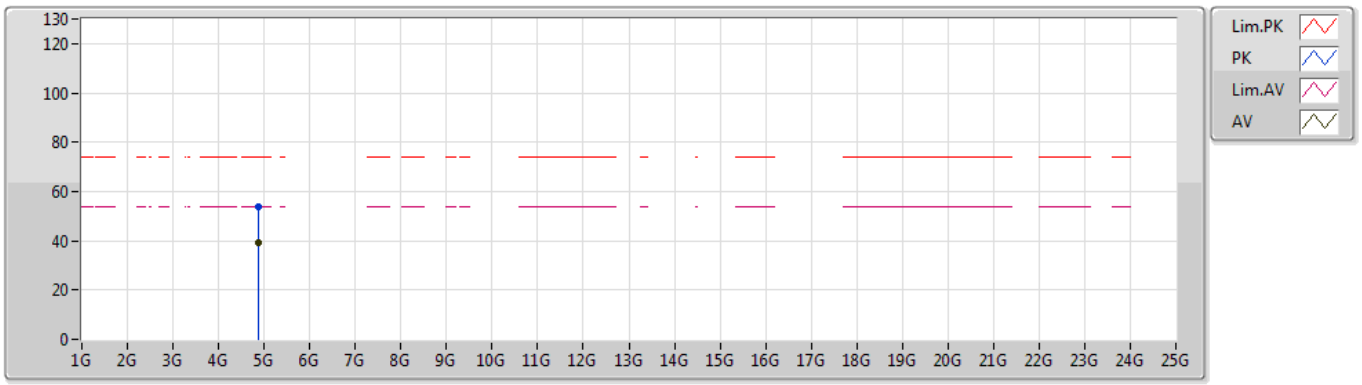
EUT Z_4TX
Setting 25.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3858G	68.76	74.00	-5.24	31.19	3	Horizontal	178	2.70	-
AV	2.3846G	51.63	54.00	-2.37	31.19	3	Horizontal	178	2.70	-
PK	2.4394G	126.95	Inf	-Inf	31.31	3	Horizontal	178	2.70	-
AV	2.441G	113.66	Inf	-Inf	31.32	3	Horizontal	178	2.70	-
PK	2.4838G	68.05	74.00	-5.95	31.39	3	Horizontal	178	2.70	-
AV	2.4835G	52.76	54.00	-1.24	31.39	3	Horizontal	178	2.70	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



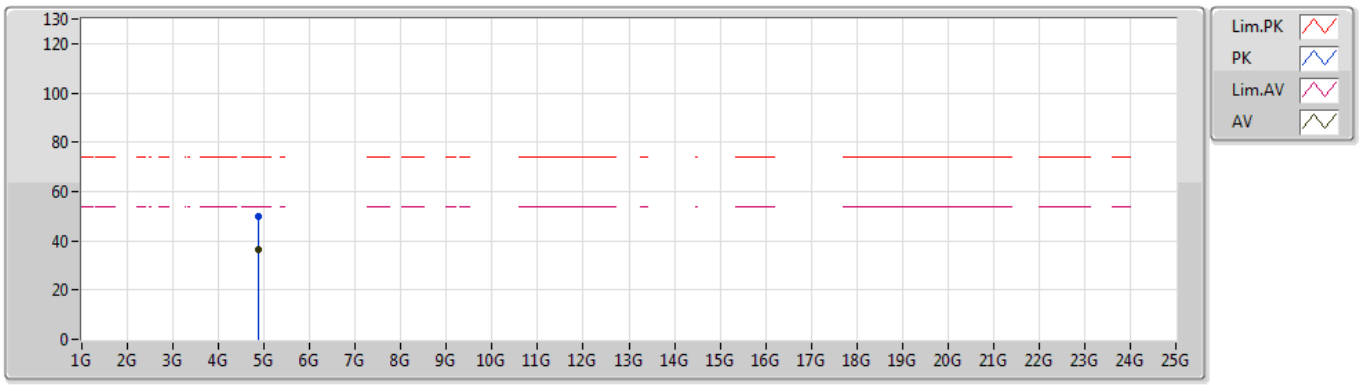
EUT Z_4TX
Setting 25.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87844G	53.87	74.00	-20.13	7.30	3	Vertical	183	2.39	-
AV	4.87796G	39.33	54.00	-14.67	7.30	3	Vertical	183	2.39	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



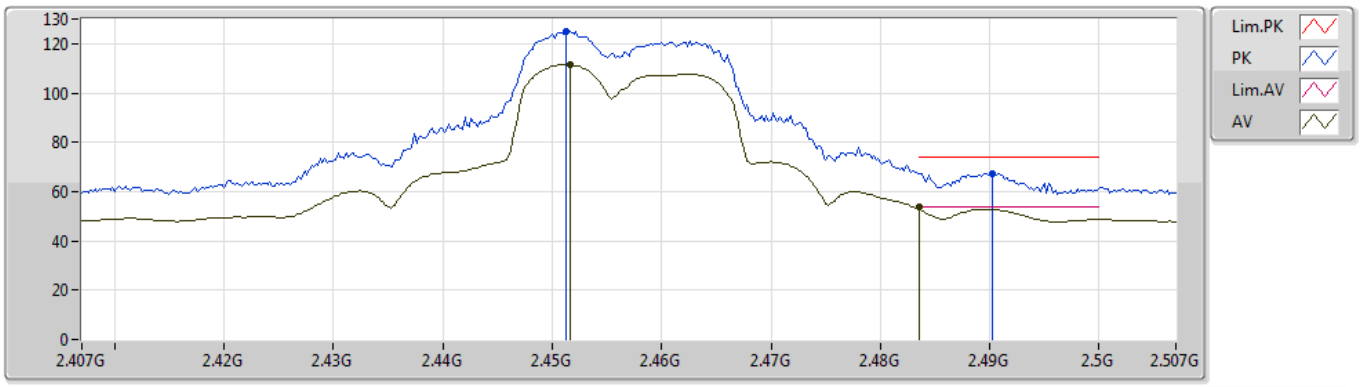
EUT Z_4TX
Setting 25.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87058G	50.11	74.00	-23.89	7.27	3	Horizontal	232	1.50	-
AV	4.87094G	36.61	54.00	-17.39	7.27	3	Horizontal	232	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

04/06/2019



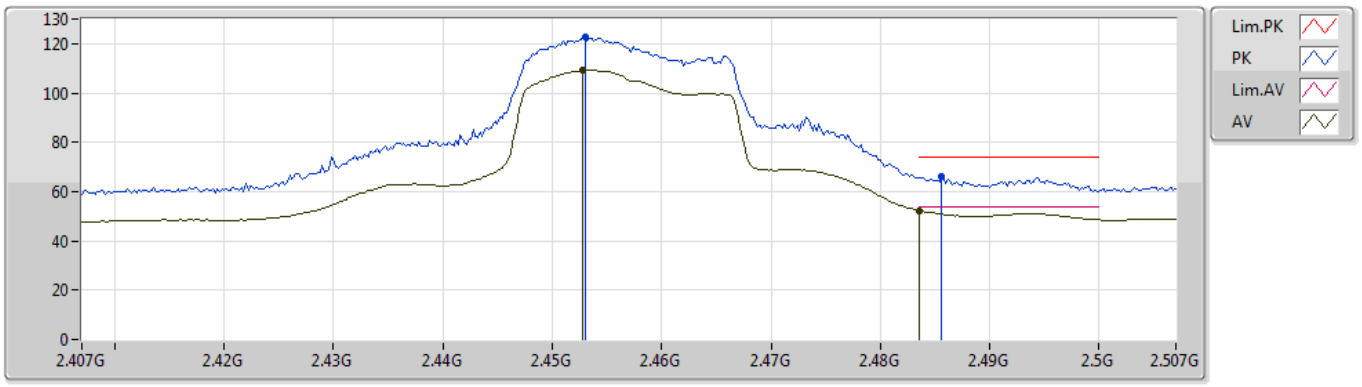
EUT Z_4TX
Setting 22.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4512G	125.23	Inf	-Inf	31.33	3	Vertical	62	2.85	-
AV	2.4516G	111.60	Inf	-Inf	31.33	3	Vertical	62	2.85	-
PK	2.4902G	67.49	74.00	-6.51	31.41	3	Vertical	62	2.85	-
AV	2.48351G	53.58	54.00	-0.42	31.39	3	Vertical	62	2.85	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2457MHz_TX

04/06/2019



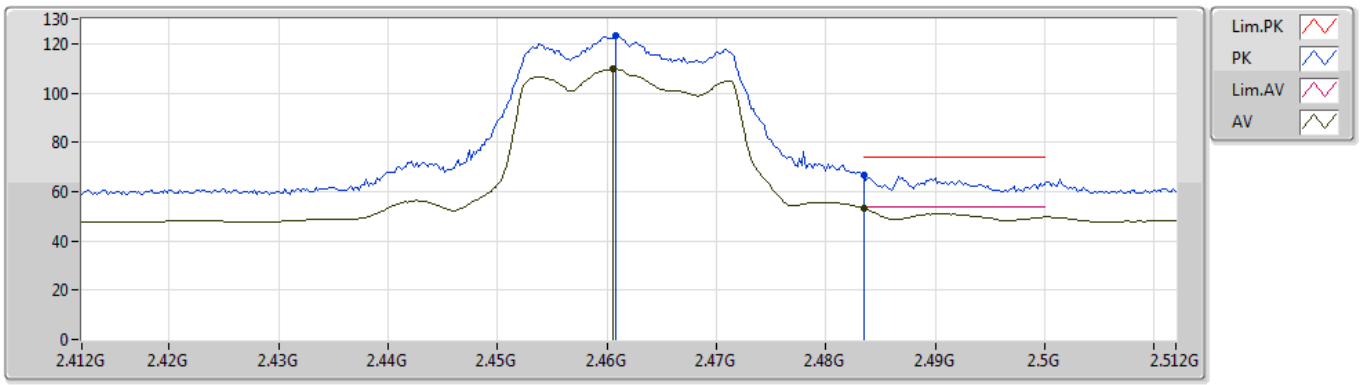
EUT Z_4TX
Setting 22.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.453G	122.74	Inf	-Inf	31.33	3	Horizontal	353	1.50	-
AV	2.4528G	109.19	Inf	-Inf	31.33	3	Horizontal	353	1.50	-
PK	2.4856G	66.24	74.00	-7.76	31.40	3	Horizontal	353	1.50	-
AV	2.4835G	52.20	54.00	-1.80	31.39	3	Horizontal	353	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

04/06/2019



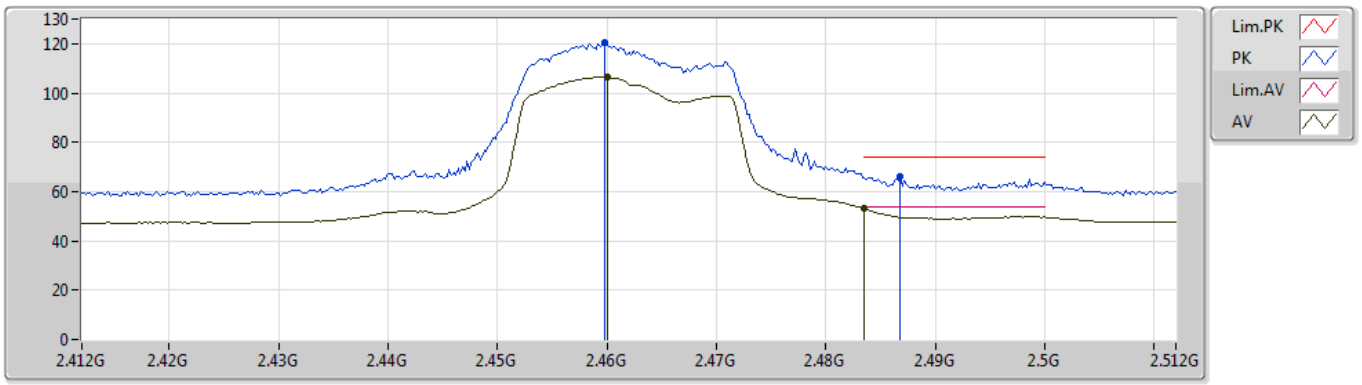
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4608G	123.33	Inf	-Inf	31.35	3	Vertical	115	2.77	-
AV	2.4606G	109.57	Inf	-Inf	31.35	3	Vertical	115	2.77	-
PK	2.48352G	66.45	74.00	-7.55	31.39	3	Vertical	115	2.77	-
AV	2.48351G	53.51	54.00	-0.49	31.39	3	Vertical	115	2.77	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

04/06/2019



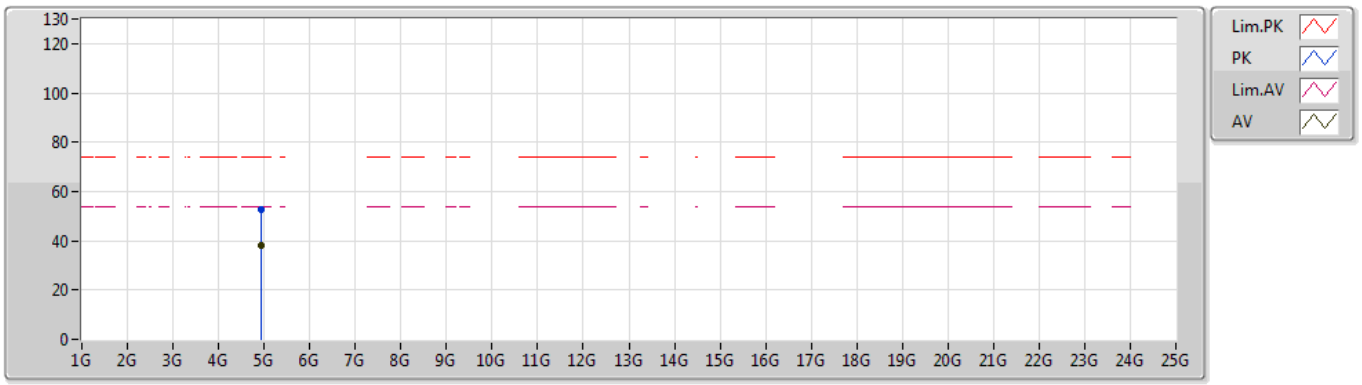
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4598G	120.75	Inf	-Inf	31.35	3	Horizontal	340	1.50	-
AV	2.46G	106.44	Inf	-Inf	31.35	3	Horizontal	340	1.50	-
PK	2.4868G	65.85	74.00	-8.15	31.40	3	Horizontal	340	1.50	-
AV	2.4835G	53.04	54.00	-0.96	31.39	3	Horizontal	340	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

04/06/2019



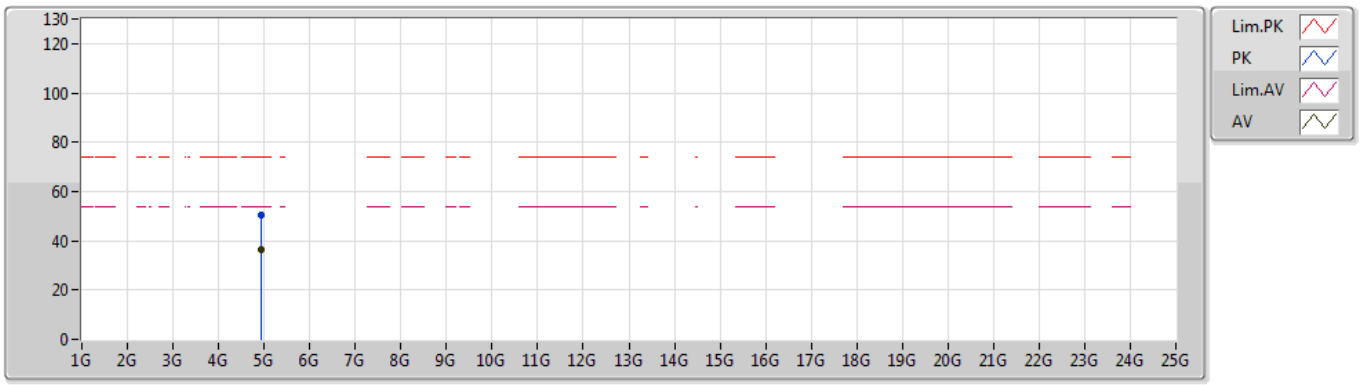
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.93288G	52.72	74.00	-21.28	7.43	3	Vertical	118	1.51	-
AV	4.93198G	37.89	54.00	-16.11	7.43	3	Vertical	118	1.51	-

802.11ax HEW20_Nss1,(MCS0)_4TX

2462MHz_TX

04/06/2019



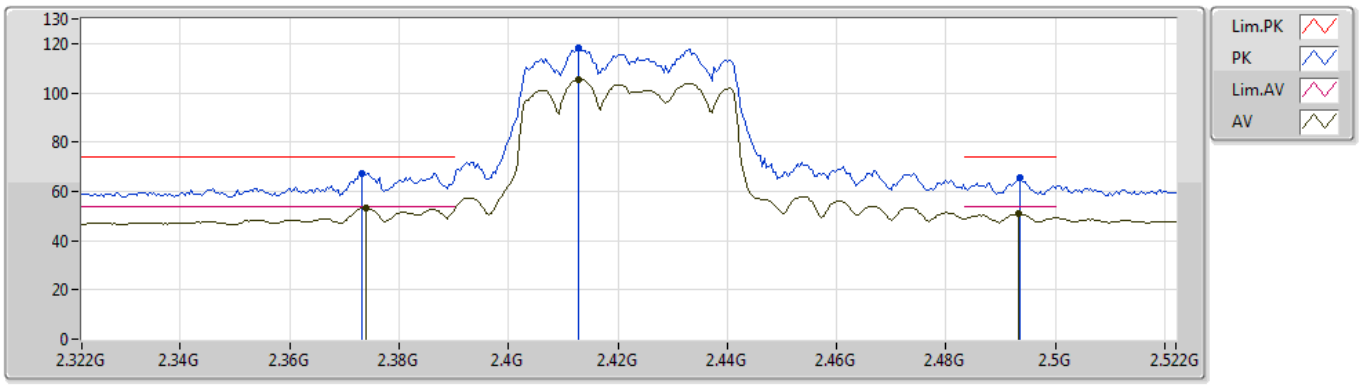
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9219G	50.49	74.00	-23.51	7.39	3	Horizontal	217	1.61	-
AV	4.9213G	36.35	54.00	-17.65	7.39	3	Horizontal	217	1.61	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

04/06/2019



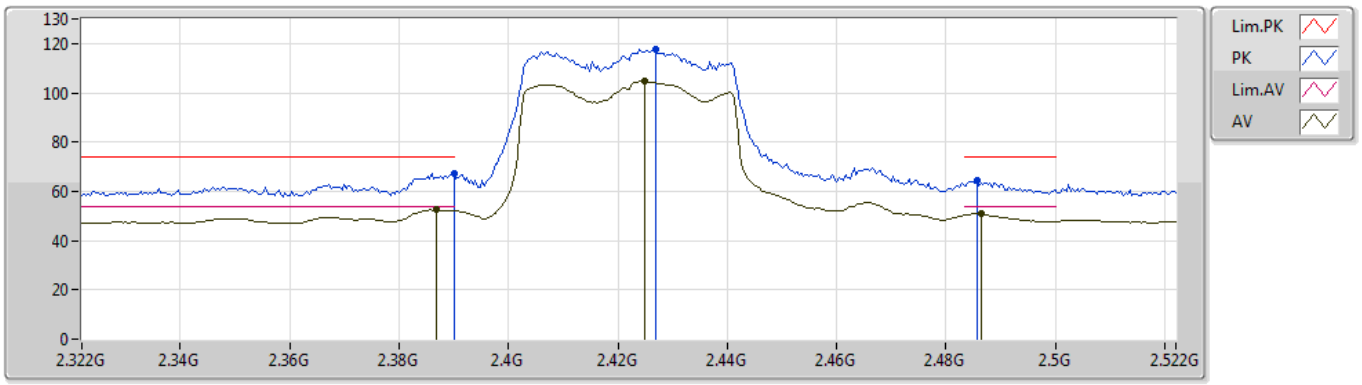
EUT Z_4TX
Setting 19
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3732G	67.08	74.00	-6.92	31.16	3	Vertical	42	2.19	-
AV	2.374G	53.15	54.00	-0.85	31.16	3	Vertical	42	2.19	-
PK	2.4128G	118.34	Inf	-Inf	31.26	3	Vertical	42	2.19	-
AV	2.4128G	105.48	Inf	-Inf	31.26	3	Vertical	42	2.19	-
PK	2.4936G	65.72	74.00	-8.28	31.42	3	Vertical	42	2.19	-
AV	2.4932G	50.82	54.00	-3.18	31.42	3	Vertical	42	2.19	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

04/06/2019



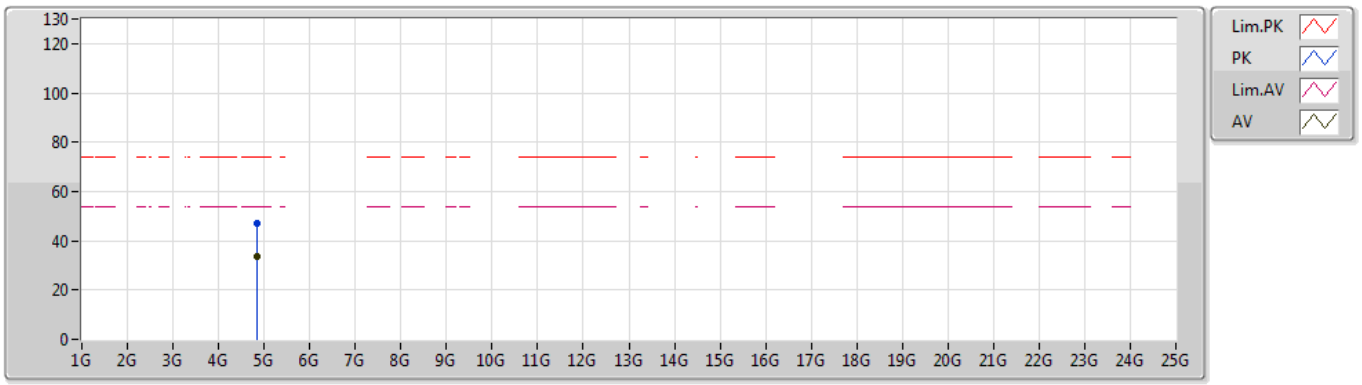
EUT Z_4TX
Setting 19
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	67.24	74.00	-6.76	31.20	3	Horizontal	176	2.98	-
AV	2.3868G	52.43	54.00	-1.57	31.20	3	Horizontal	176	2.98	-
PK	2.4268G	117.93	Inf	-Inf	31.28	3	Horizontal	176	2.98	-
AV	2.4248G	104.60	Inf	-Inf	31.28	3	Horizontal	176	2.98	-
PK	2.4856G	64.33	74.00	-9.67	31.40	3	Horizontal	176	2.98	-
AV	2.4864G	50.92	54.00	-3.08	31.40	3	Horizontal	176	2.98	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

04/06/2019



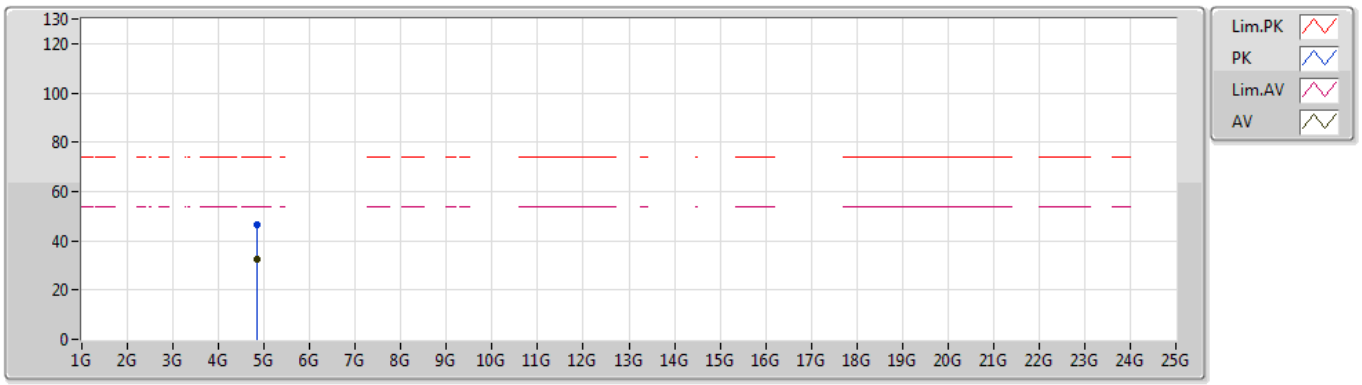
EUT Z_4TX
Setting 19
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.84196G	47.28	74.00	-26.72	7.21	3	Vertical	348	2.52	-
AV	4.84226G	33.42	54.00	-20.58	7.21	3	Vertical	348	2.52	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2422MHz_TX

04/06/2019



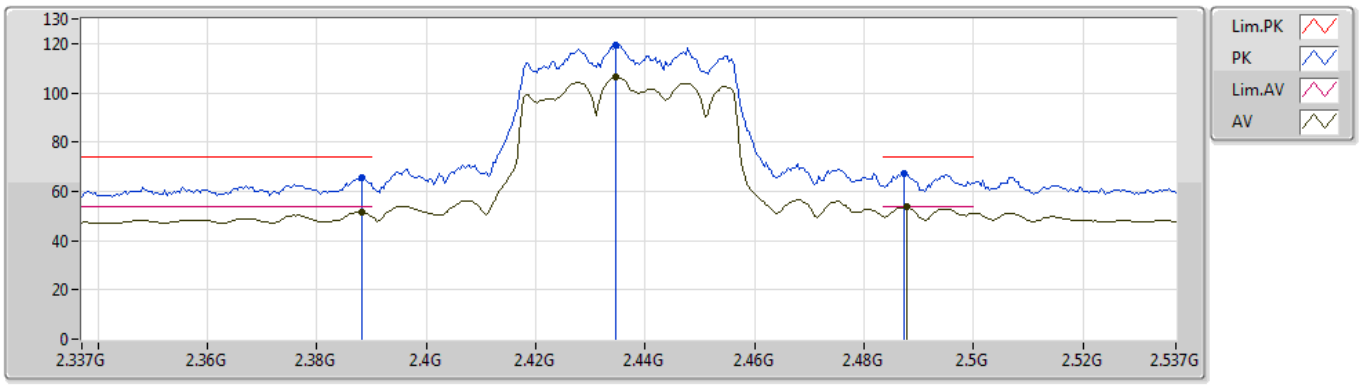
EUT Z_4TX
Setting 19
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.8479G	46.37	74.00	-27.63	7.22	3	Horizontal	79	1.50	-
AV	4.8506G	32.66	54.00	-21.34	7.24	3	Horizontal	79	1.50	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



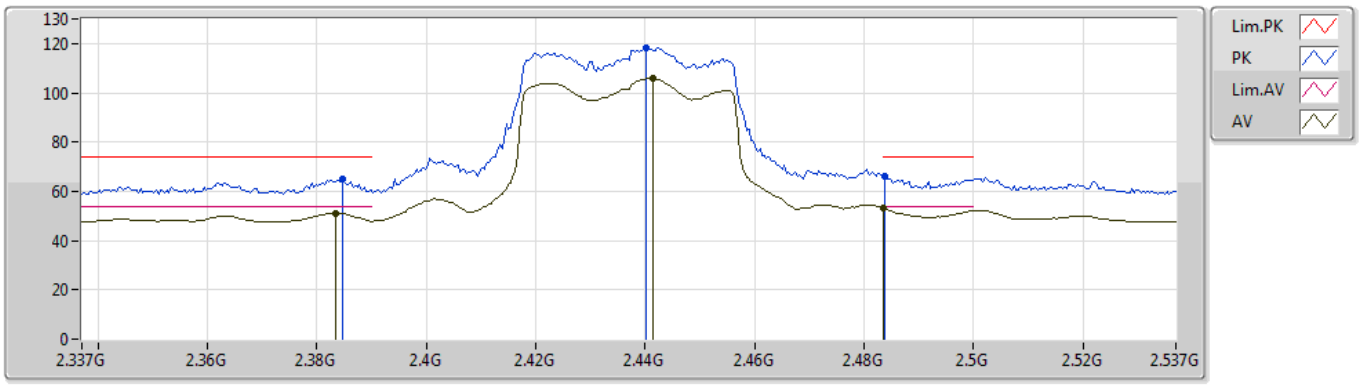
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	65.77	74.00	-8.23	31.20	3	Vertical	47	2.60	-
AV	2.3882G	51.82	54.00	-2.18	31.20	3	Vertical	47	2.60	-
PK	2.4346G	119.53	Inf	-Inf	31.30	3	Vertical	47	2.60	-
AV	2.4346G	106.20	Inf	-Inf	31.30	3	Vertical	47	2.60	-
PK	2.4874G	67.50	74.00	-6.50	31.40	3	Vertical	47	2.60	-
AV	2.4878G	53.71	54.00	-0.29	31.41	3	Vertical	47	2.60	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



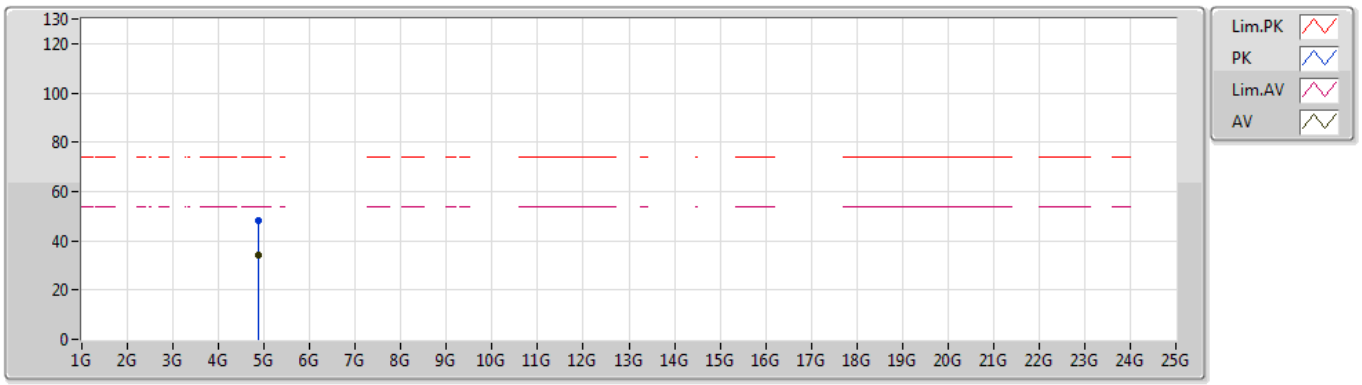
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3846G	64.88	74.00	-9.12	31.19	3	Horizontal	169	2.46	-
AV	2.3834G	51.17	54.00	-2.83	31.19	3	Horizontal	169	2.46	-
PK	2.4402G	118.33	Inf	-Inf	31.31	3	Horizontal	169	2.46	-
AV	2.4414G	105.74	Inf	-Inf	31.32	3	Horizontal	169	2.46	-
PK	2.4838G	66.07	74.00	-7.93	31.39	3	Horizontal	169	2.46	-
AV	2.4835G	53.26	54.00	-0.74	31.39	3	Horizontal	169	2.46	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



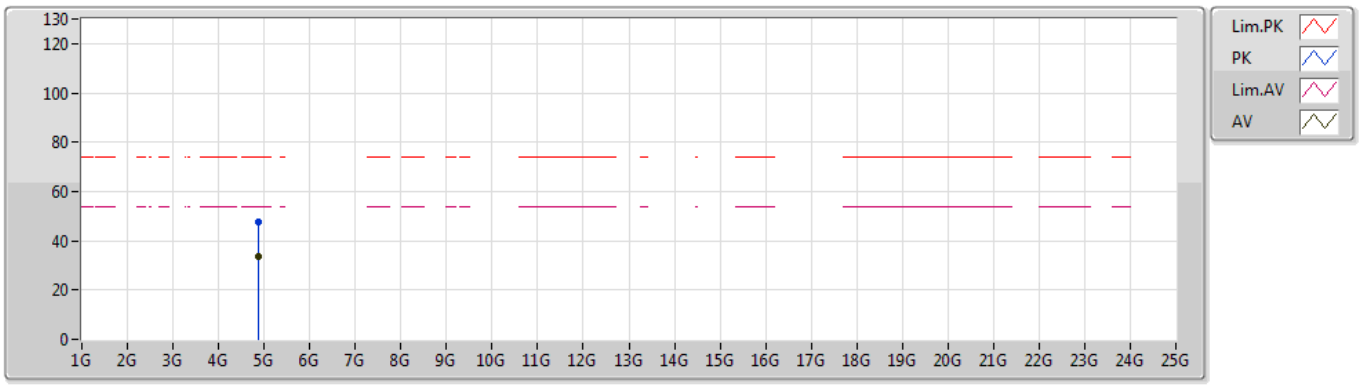
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88108G	48.13	74.00	-25.87	7.30	3	Vertical	114	1.54	-
AV	4.8824G	33.99	54.00	-20.01	7.31	3	Vertical	114	1.54	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2437MHz_TX

04/06/2019



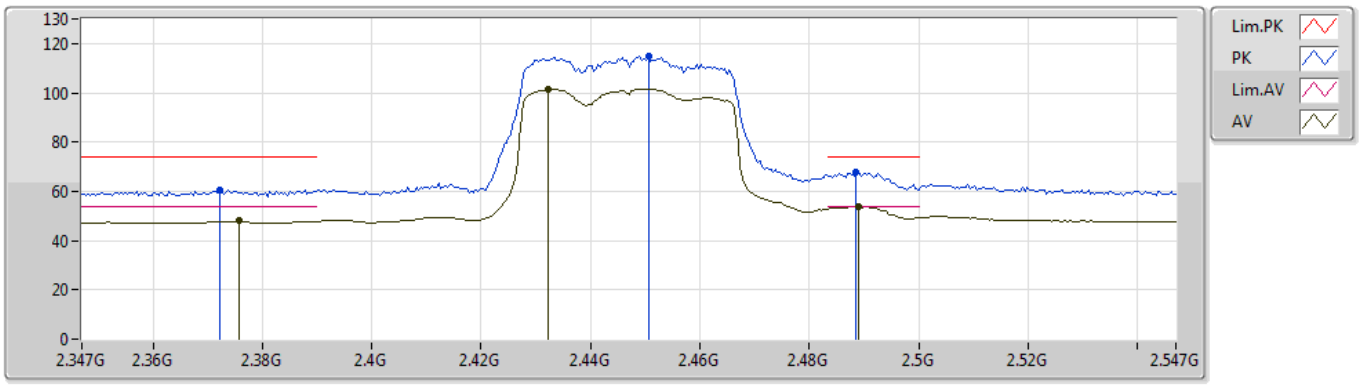
EUT Z_4TX
Setting 20
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87106G	47.79	74.00	-26.21	7.28	3	Horizontal	231	1.52	-
AV	4.87088G	33.60	54.00	-20.40	7.27	3	Horizontal	231	1.52	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2447MHz_TX

04/06/2019



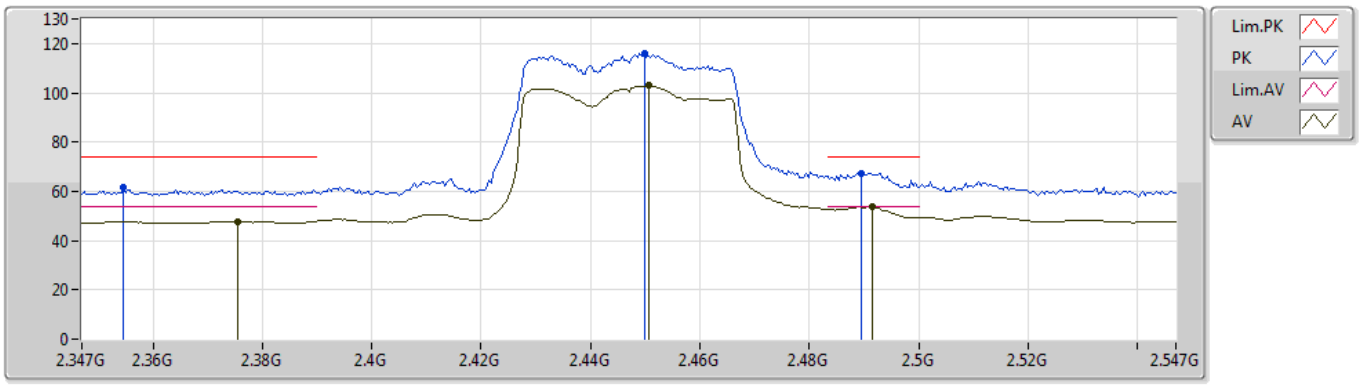
EUT Z_4TX
Setting 17.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3722G	60.39	74.00	-13.61	31.16	3	Vertical	172	2.21	-
AV	2.3758G	47.94	54.00	-6.06	31.17	3	Vertical	172	2.21	-
PK	2.4506G	114.88	Inf	-Inf	31.33	3	Vertical	172	2.21	-
AV	2.4322G	101.59	Inf	-Inf	31.29	3	Vertical	172	2.21	-
PK	2.4886G	67.97	74.00	-6.03	31.41	3	Vertical	172	2.21	-
AV	2.489G	53.86	54.00	-0.14	31.41	3	Vertical	172	2.21	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2447MHz_TX

04/06/2019



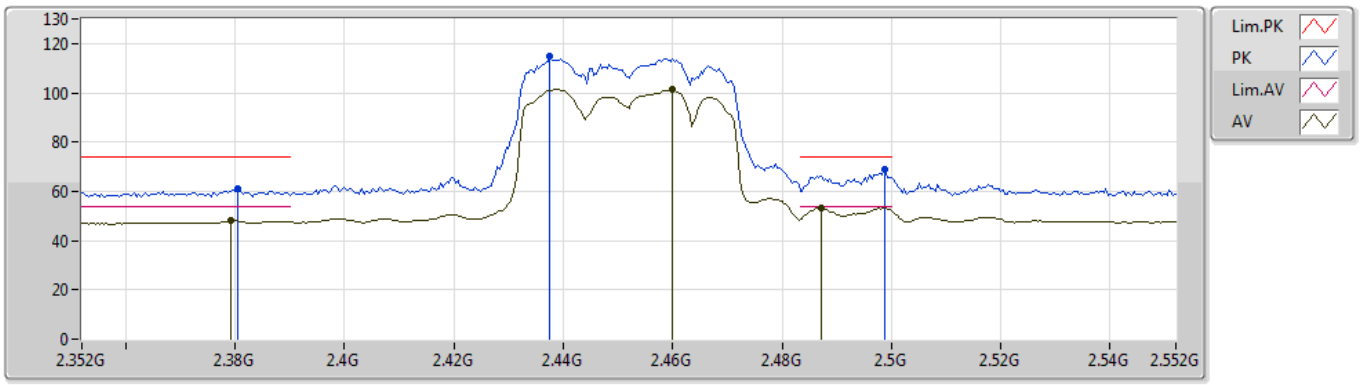
EUT Z_4TX
Setting 17.5
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3546G	61.63	74.00	-12.37	31.12	3	Horizontal	173	2.92	-
AV	2.3754G	47.84	54.00	-6.16	31.17	3	Horizontal	173	2.92	-
PK	2.4498G	115.96	Inf	-Inf	31.33	3	Horizontal	173	2.92	-
AV	2.4506G	102.87	Inf	-Inf	31.33	3	Horizontal	173	2.92	-
PK	2.4894G	67.46	74.00	-6.54	31.41	3	Horizontal	173	2.92	-
AV	2.4914G	53.54	54.00	-0.46	31.42	3	Horizontal	173	2.92	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

04/06/2019



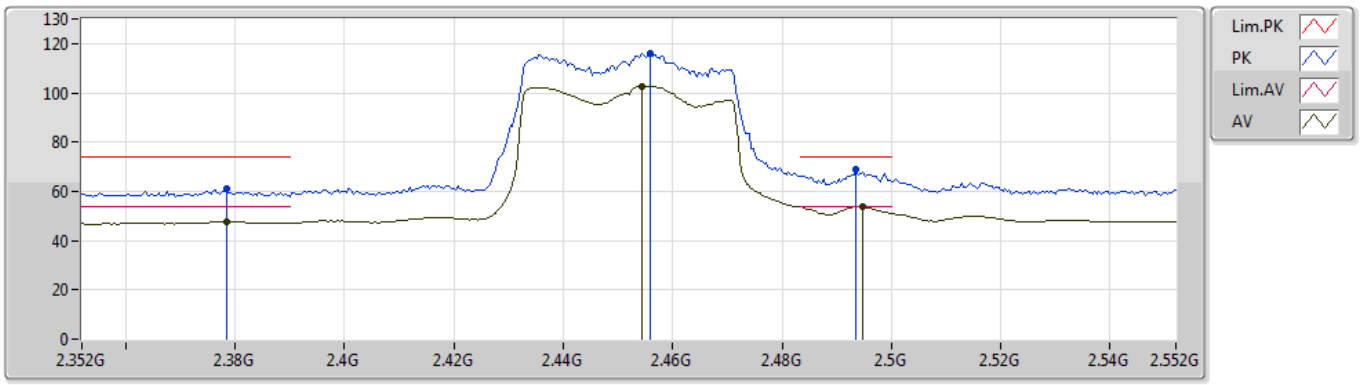
EUT Z_4TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3804G	60.90	74.00	-13.10	31.18	3	Vertical	89	2.97	-
AV	2.3792G	48.01	54.00	-5.99	31.18	3	Vertical	89	2.97	-
PK	2.4376G	114.88	Inf	-Inf	31.31	3	Vertical	89	2.97	-
AV	2.46G	101.29	Inf	-Inf	31.35	3	Vertical	89	2.97	-
PK	2.4988G	69.09	74.00	-4.91	31.43	3	Vertical	89	2.97	-
AV	2.4872G	53.17	54.00	-0.83	31.40	3	Vertical	89	2.97	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

04/06/2019



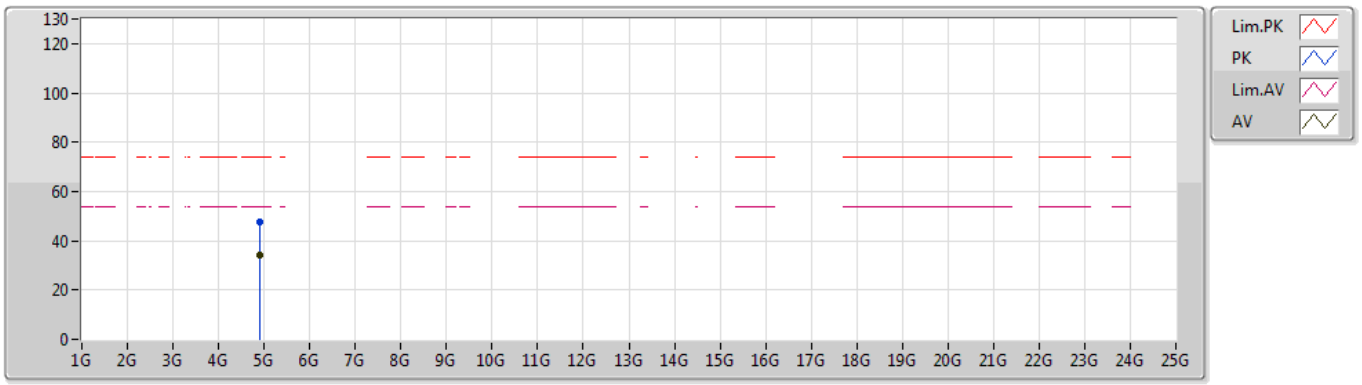
EUT Z_4TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3784G	60.86	74.00	-13.14	31.17	3	Horizontal	184	2.69	-
AV	2.3784G	47.75	54.00	-6.25	31.17	3	Horizontal	184	2.69	-
PK	2.456G	116.11	Inf	-Inf	31.34	3	Horizontal	184	2.69	-
AV	2.4544G	102.81	Inf	-Inf	31.34	3	Horizontal	184	2.69	-
PK	2.4936G	68.93	74.00	-5.07	31.42	3	Horizontal	184	2.69	-
AV	2.4948G	53.84	54.00	-0.16	31.42	3	Horizontal	184	2.69	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

04/06/2019



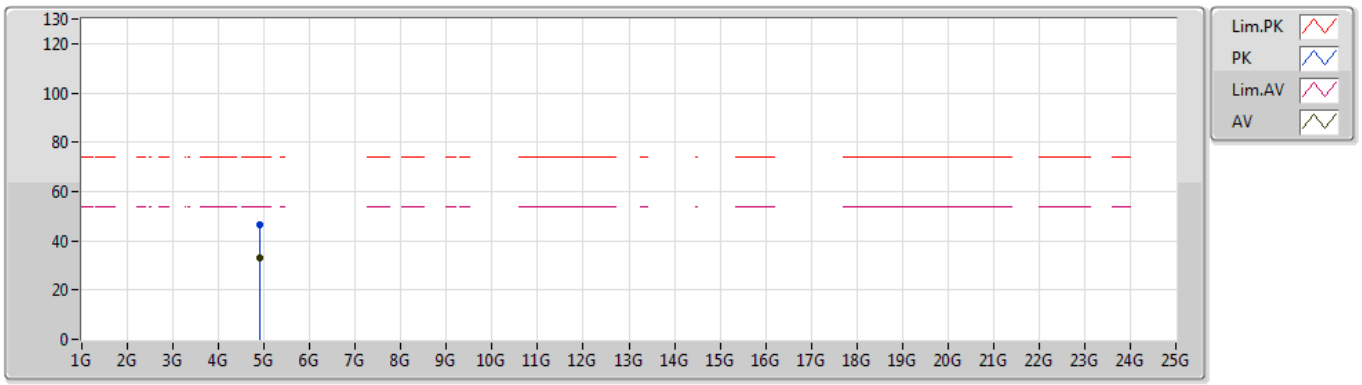
EUT Z_4TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91234G	47.88	74.00	-26.12	7.37	3	Vertical	128	1.63	-
AV	4.91216G	33.97	54.00	-20.03	7.37	3	Vertical	128	1.63	-

802.11ax HEW40_Nss1,(MCS0)_4TX

2452MHz_TX

04/06/2019



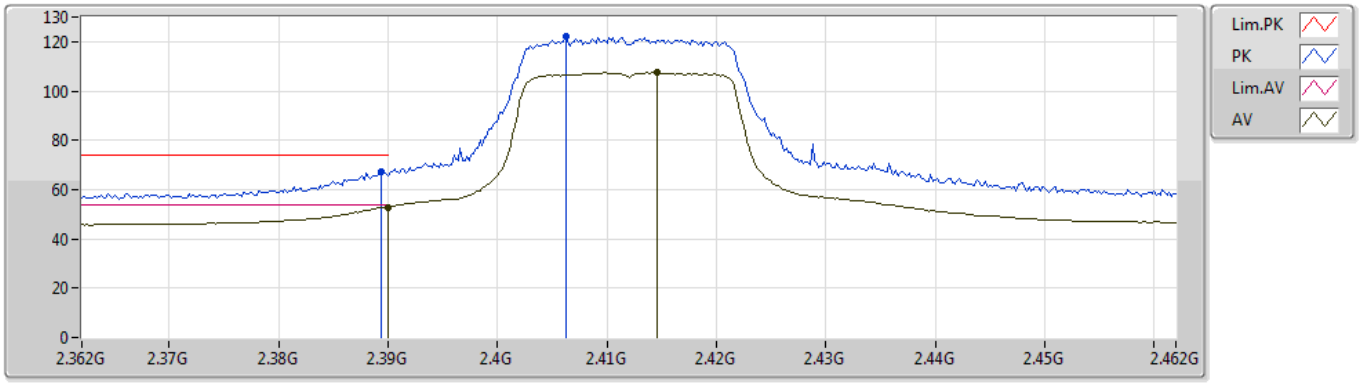
EUT Z_4TX
Setting 17
02-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.90106G	46.36	74.00	-27.64	7.35	3	Horizontal	323	2.02	-
AV	4.9013G	32.81	54.00	-21.19	7.35	3	Horizontal	323	2.02	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

10/06/2019



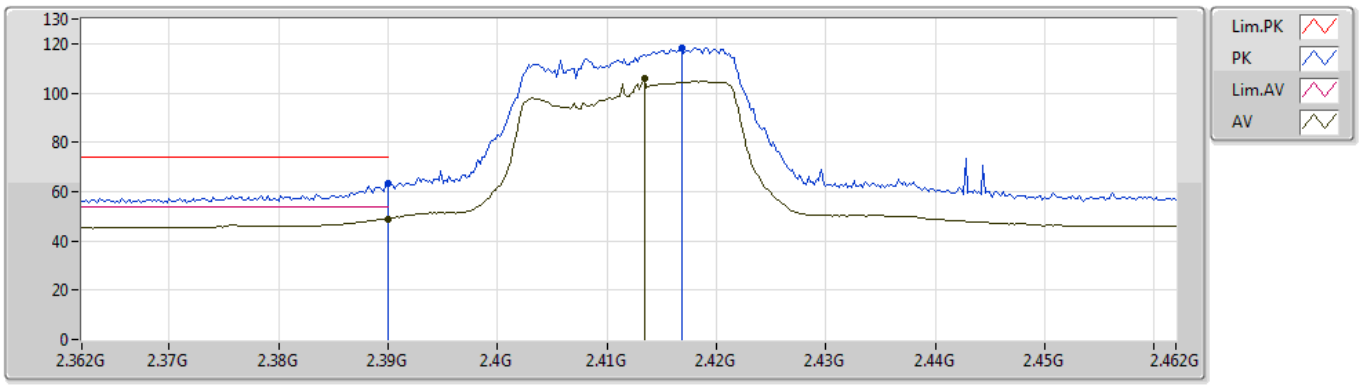
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	67.05	74.00	-6.95	32.13	3	Vertical	274	2.21	-
AV	2.39G	52.92	54.00	-1.08	32.13	3	Vertical	274	2.21	-
PK	2.4062G	122.31	Inf	-Inf	32.17	3	Vertical	274	2.21	-
AV	2.4146G	107.41	Inf	-Inf	32.20	3	Vertical	274	2.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

10/06/2019



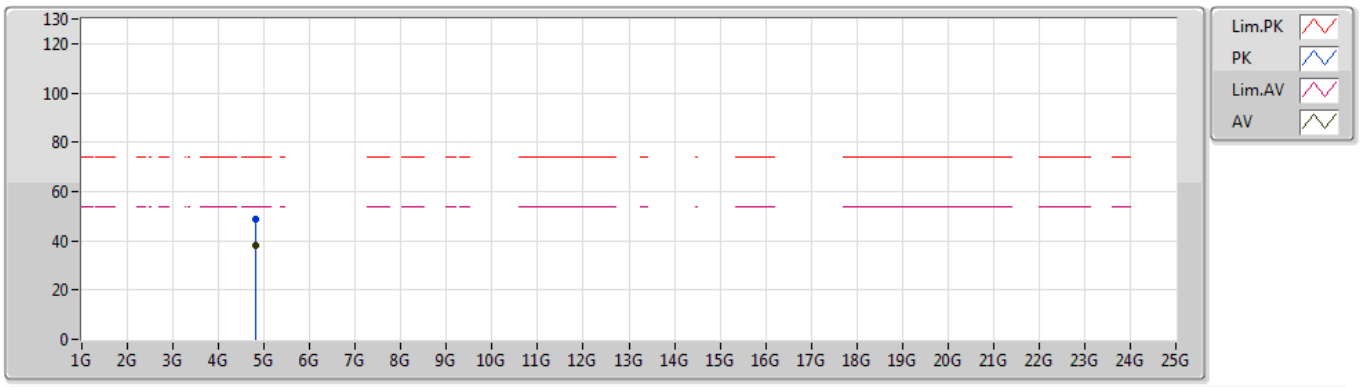
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	63.28	74.00	-10.72	32.13	3	Horizontal	188	1.67	-
AV	2.39G	49.03	54.00	-4.97	32.13	3	Horizontal	188	1.67	-
PK	2.4168G	118.49	Inf	-Inf	32.21	3	Horizontal	188	1.67	-
AV	2.4134G	105.89	Inf	-Inf	32.20	3	Horizontal	188	1.67	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

10/06/2019



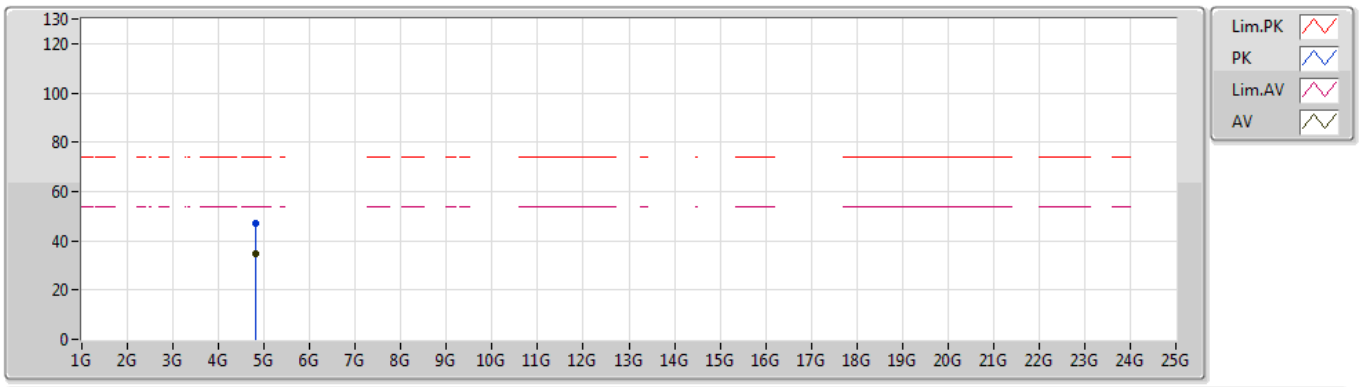
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82416G	48.51	74.00	-25.49	6.69	3	Vertical	170	1.75	-
AV	4.8241G	38.28	54.00	-15.72	6.69	3	Vertical	170	1.75	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2412MHz_TX

10/06/2019



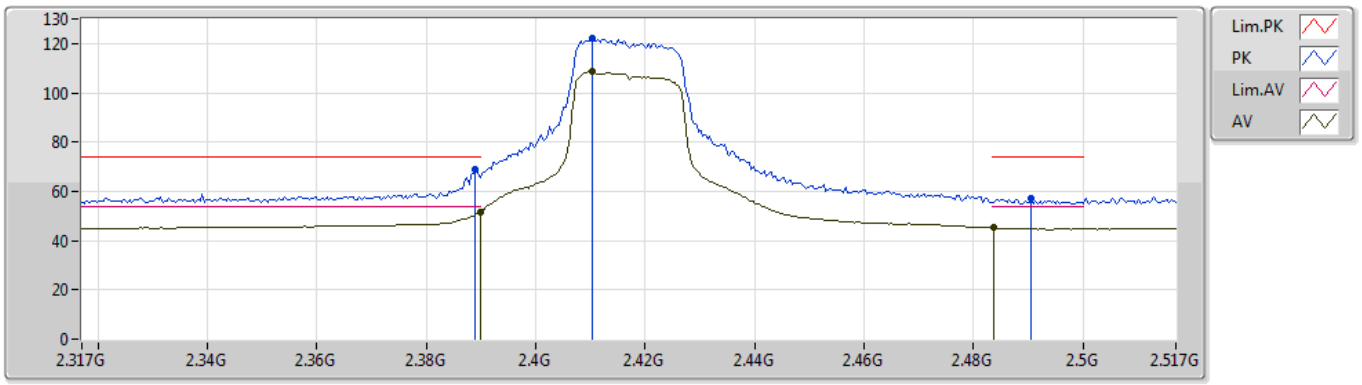
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.82388G	46.82	74.00	-27.18	6.69	3	Horizontal	228	1.43	-
AV	4.8242G	34.84	54.00	-19.16	6.69	3	Horizontal	228	1.43	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

10/06/2019



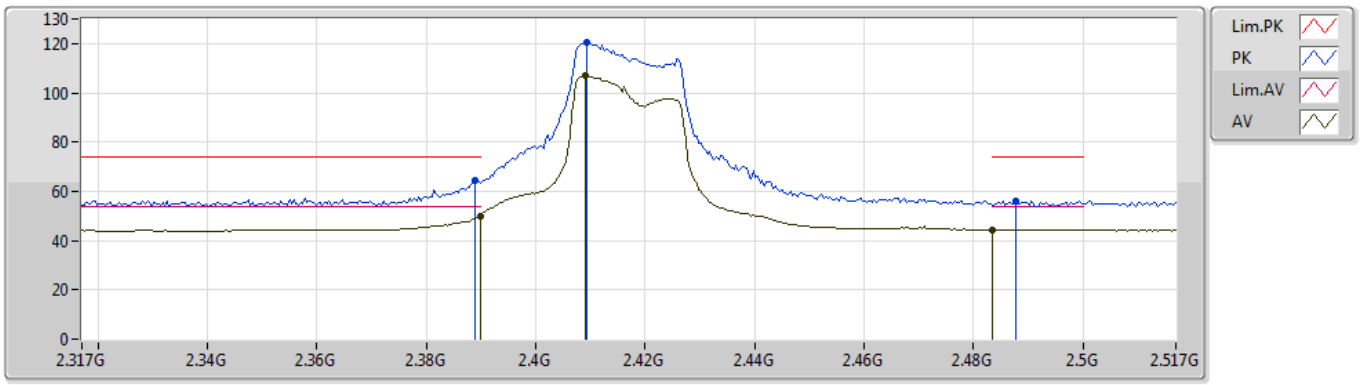
EUT Z_4TX
Setting 28
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	68.91	74.00	-5.09	31.20	3	Vertical	34	2.04	-
AV	2.3898G	51.60	54.00	-2.40	31.20	3	Vertical	34	2.04	-
PK	2.4102G	122.28	Inf	-Inf	31.25	3	Vertical	34	2.04	-
AV	2.4102G	108.60	Inf	-Inf	31.25	3	Vertical	34	2.04	-
PK	2.4906G	57.01	74.00	-16.99	31.41	3	Vertical	34	2.04	-
AV	2.4838G	45.14	54.00	-8.86	31.39	3	Vertical	34	2.04	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2417MHz_TX

10/06/2019



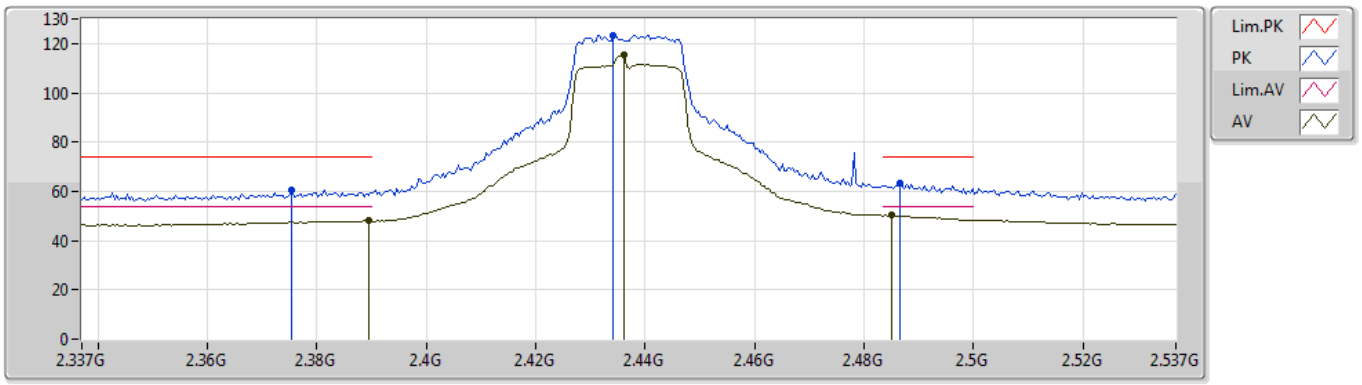
EUT Z_4TX
Setting 28
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	64.50	74.00	-9.50	31.20	3	Horizontal	3	1.42	-
AV	2.3898G	49.97	54.00	-4.03	31.20	3	Horizontal	3	1.42	-
PK	2.4094G	120.25	Inf	-Inf	31.25	3	Horizontal	3	1.42	-
AV	2.409G	106.90	Inf	-Inf	31.24	3	Horizontal	3	1.42	-
PK	2.4878G	55.92	74.00	-18.08	31.41	3	Horizontal	3	1.42	-
AV	2.4835G	44.40	54.00	-9.60	31.39	3	Horizontal	3	1.42	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

06/06/2019



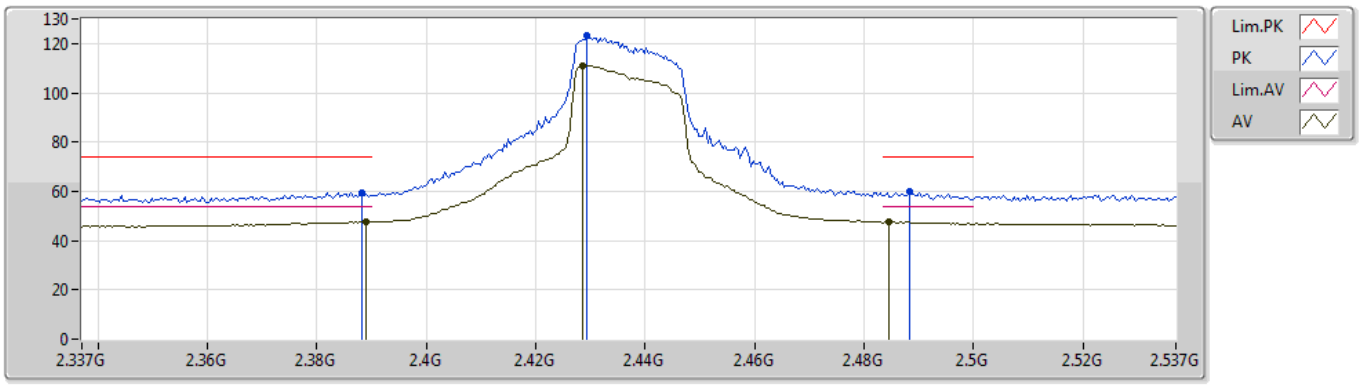
EUT Z_4TX
Setting 29
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3754G	60.65	74.00	-13.35	32.07	3	Vertical	317	2.21	-
AV	2.3894G	48.05	54.00	-5.95	32.13	3	Vertical	317	2.21	-
PK	2.4342G	123.54	Inf	-Inf	32.27	3	Vertical	317	2.21	-
AV	2.4362G	115.56	Inf	-Inf	32.27	3	Vertical	317	2.21	-
PK	2.4866G	63.23	74.00	-10.77	32.42	3	Vertical	317	2.21	-
AV	2.485G	50.34	54.00	-3.66	32.42	3	Vertical	317	2.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

06/06/2019



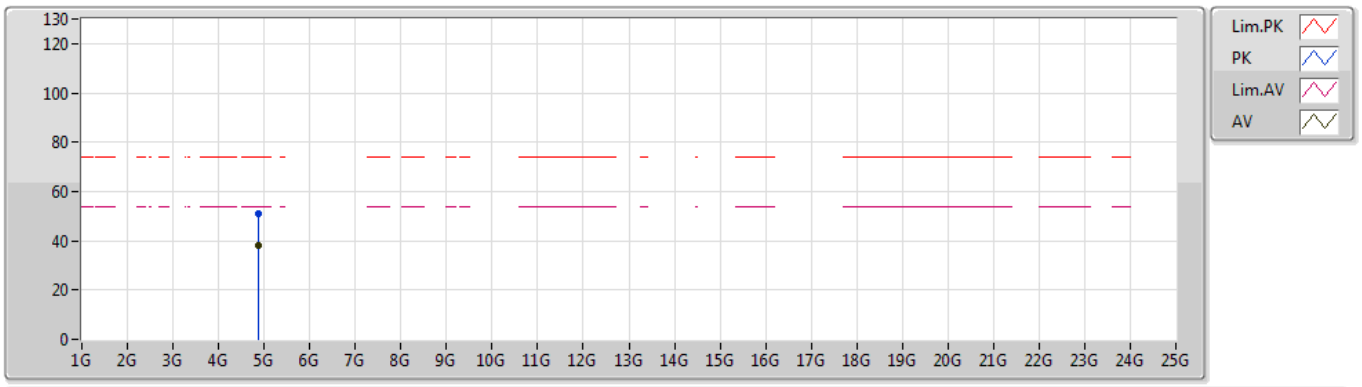
EUT Z_4TX
Setting 29
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	59.29	74.00	-14.71	32.11	3	Horizontal	191	1.34	-
AV	2.389G	47.71	54.00	-6.29	32.12	3	Horizontal	191	1.34	-
PK	2.4294G	123.04	Inf	-Inf	32.24	3	Horizontal	191	1.34	-
AV	2.4286G	111.12	Inf	-Inf	32.24	3	Horizontal	191	1.34	-
PK	2.4882G	59.87	74.00	-14.13	32.42	3	Horizontal	191	1.34	-
AV	2.4846G	47.52	54.00	-6.48	32.42	3	Horizontal	191	1.34	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

06/06/2019



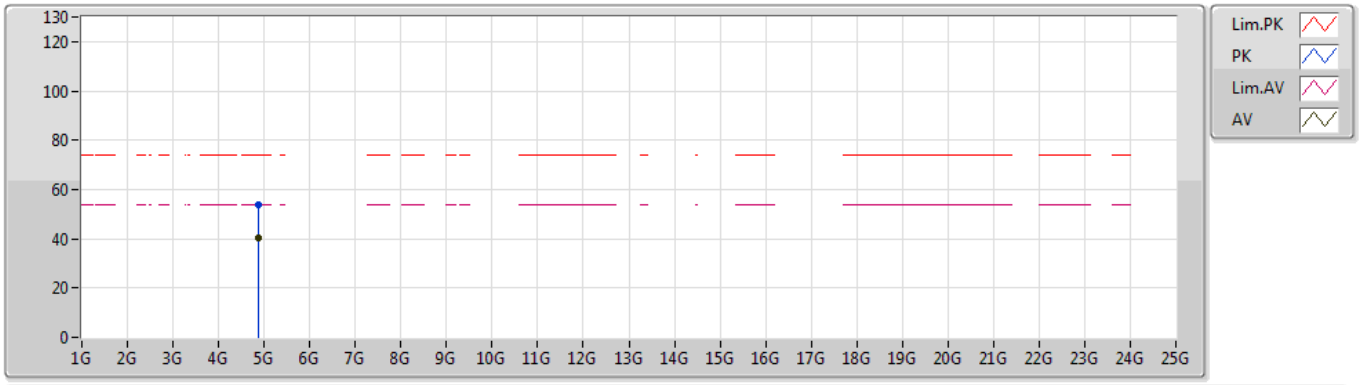
EUT Z_4TX
Setting 29
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.87428G	50.94	74.00	-23.06	6.82	3	Vertical	204	1.89	-
AV	4.87404G	38.31	54.00	-15.69	6.82	3	Vertical	204	1.89	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2437MHz_TX

06/06/2019



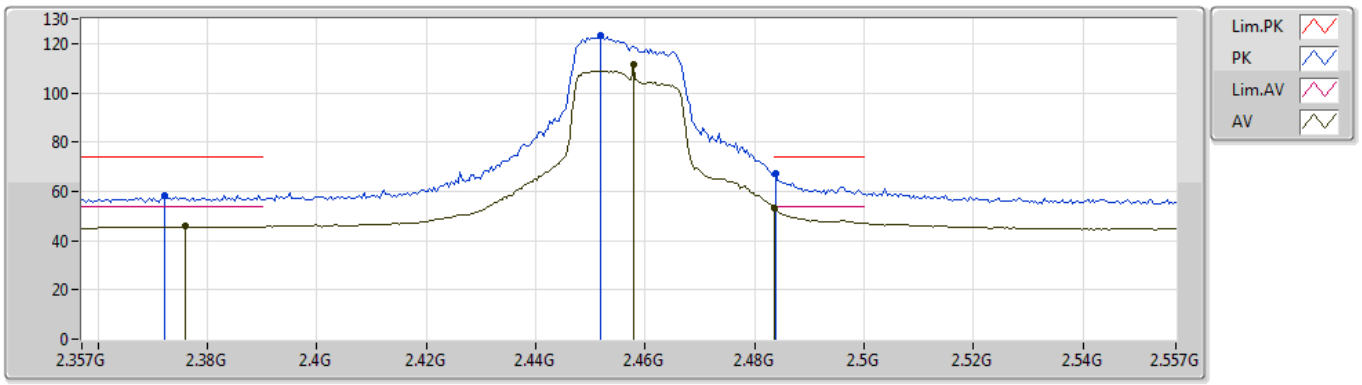
EUT Z_4TX
Setting 29
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.88208G	53.62	74.00	-20.38	6.84	3	Horizontal	206	1.81	-
AV	4.87752G	40.43	54.00	-13.57	6.84	3	Horizontal	206	1.81	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

10/06/2019



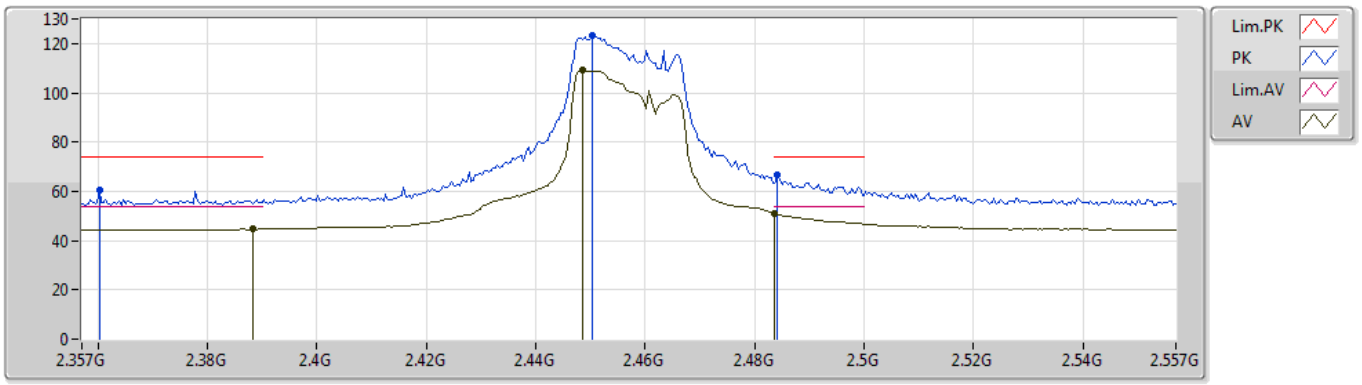
EUT Z_4TX
Setting 28
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3722G	58.33	74.00	-15.67	31.16	3	Vertical	285	2.88	-
AV	2.3758G	45.82	54.00	-8.18	31.17	3	Vertical	285	2.88	-
PK	2.4518G	123.44	Inf	-Inf	31.33	3	Vertical	285	2.88	-
AV	2.4578G	111.53	Inf	-Inf	31.34	3	Vertical	285	2.88	-
PK	2.4838G	67.13	74.00	-6.87	31.39	3	Vertical	285	2.88	-
AV	2.4835G	53.27	54.00	-0.73	31.39	3	Vertical	285	2.88	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2457MHz_TX

10/06/2019



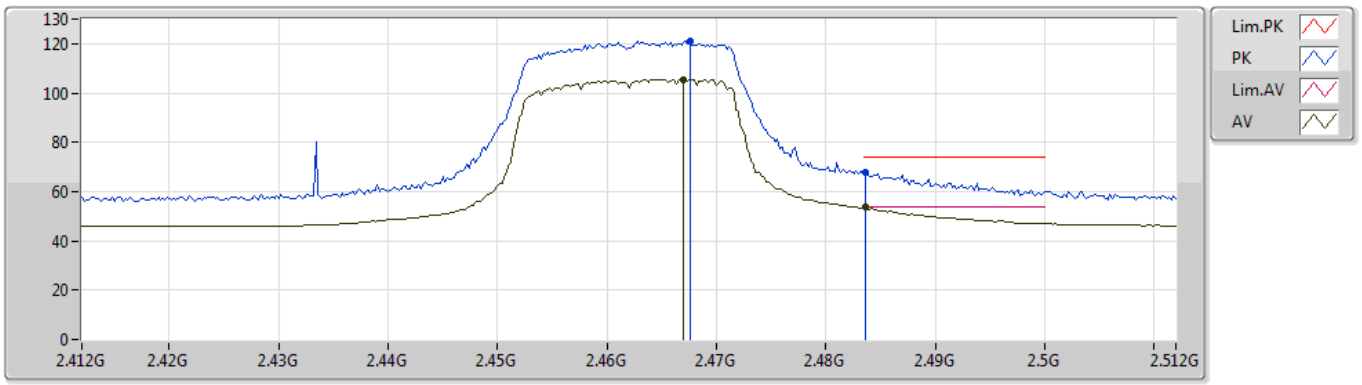
EUT Z_4TX
Setting 28
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3602G	60.50	74.00	-13.50	31.13	3	Horizontal	3	1.71	-
AV	2.3882G	44.62	54.00	-9.38	31.20	3	Horizontal	3	1.71	-
PK	2.4502G	123.07	Inf	-Inf	31.33	3	Horizontal	3	1.71	-
AV	2.4486G	109.14	Inf	-Inf	31.33	3	Horizontal	3	1.71	-
PK	2.4842G	66.75	74.00	-7.25	31.39	3	Horizontal	3	1.71	-
AV	2.4835G	51.02	54.00	-2.98	31.39	3	Horizontal	3	1.71	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

10/06/2019



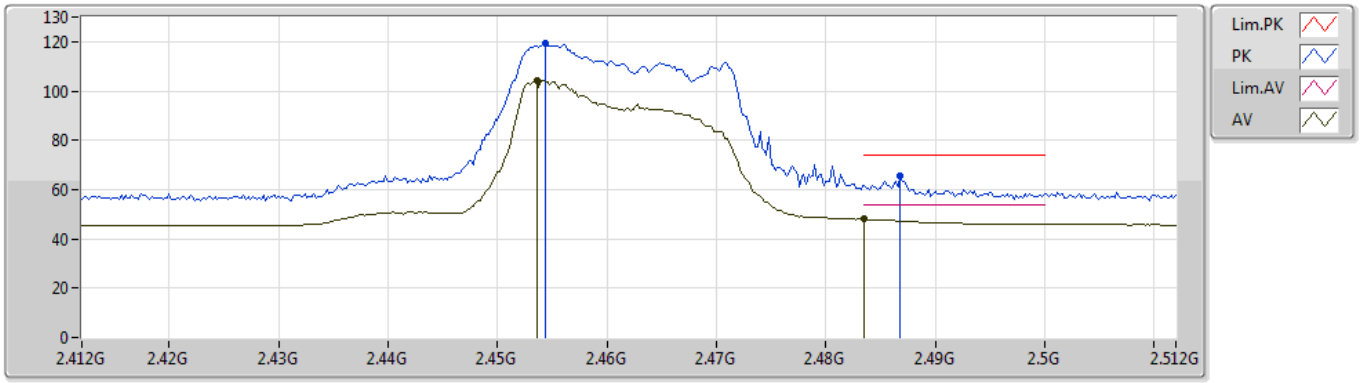
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4676G	120.85	Inf	-Inf	32.36	3	Vertical	277	2.87	-
AV	2.467G	105.38	Inf	-Inf	32.36	3	Vertical	277	2.87	-
PK	2.4836G	67.90	74.00	-6.10	32.41	3	Vertical	277	2.87	-
AV	2.4836G	53.76	54.00	-0.24	32.41	3	Vertical	277	2.87	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

10/06/2019



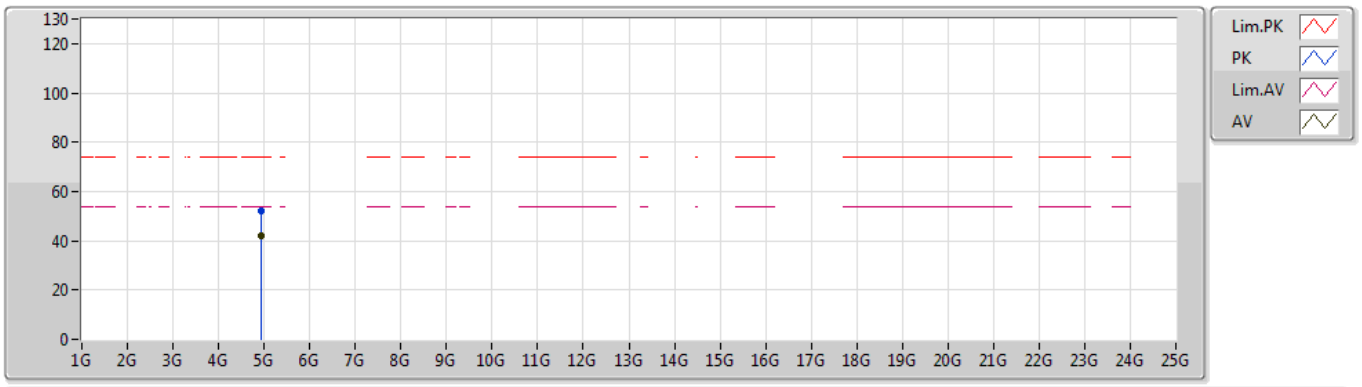
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.4544G	119.12	Inf	-Inf	32.32	3	Horizontal	355	1.94	-
AV	2.4536G	104.35	Inf	-Inf	32.32	3	Horizontal	355	1.94	-
PK	2.4868G	65.66	74.00	-8.34	32.42	3	Horizontal	355	1.94	-
AV	2.4835G	47.96	54.00	-6.04	32.41	3	Horizontal	355	1.94	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

10/06/2019



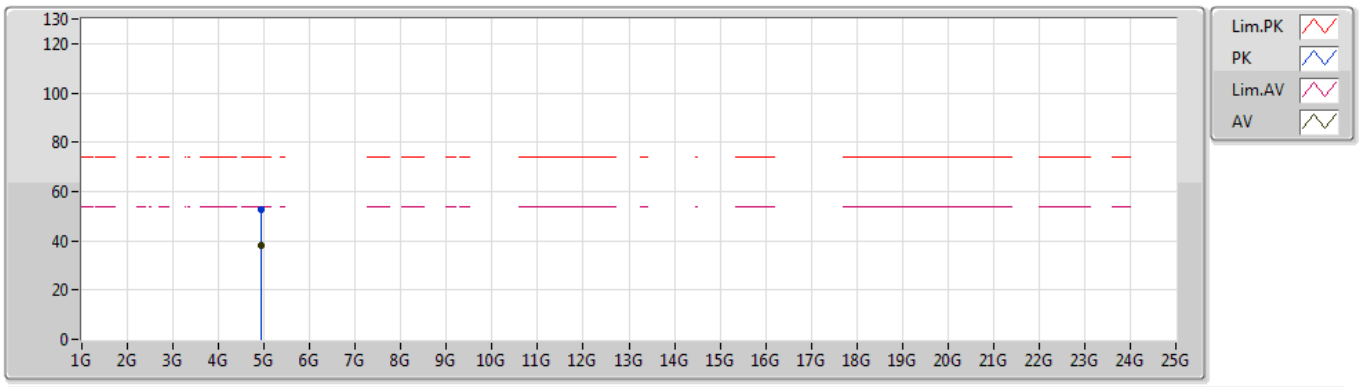
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.92144G	52.20	74.00	-21.80	6.94	3	Vertical	153	2.23	-
AV	4.92388G	42.17	54.00	-11.83	6.95	3	Vertical	153	2.23	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

2462MHz_TX

10/06/2019



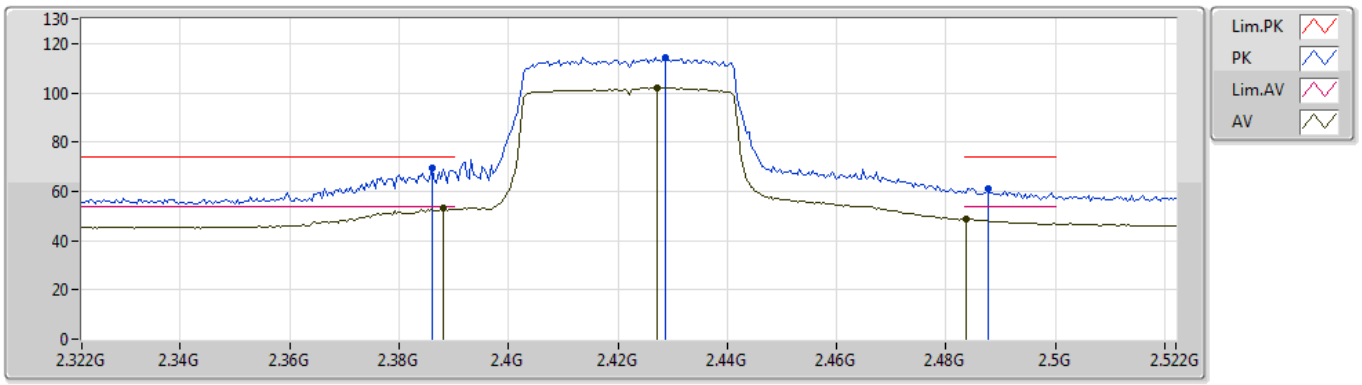
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9214G	52.46	74.00	-21.54	6.94	3	Horizontal	153	2.23	-
AV	4.92408G	38.05	54.00	-15.95	6.95	3	Horizontal	153	2.23	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

10/06/2019



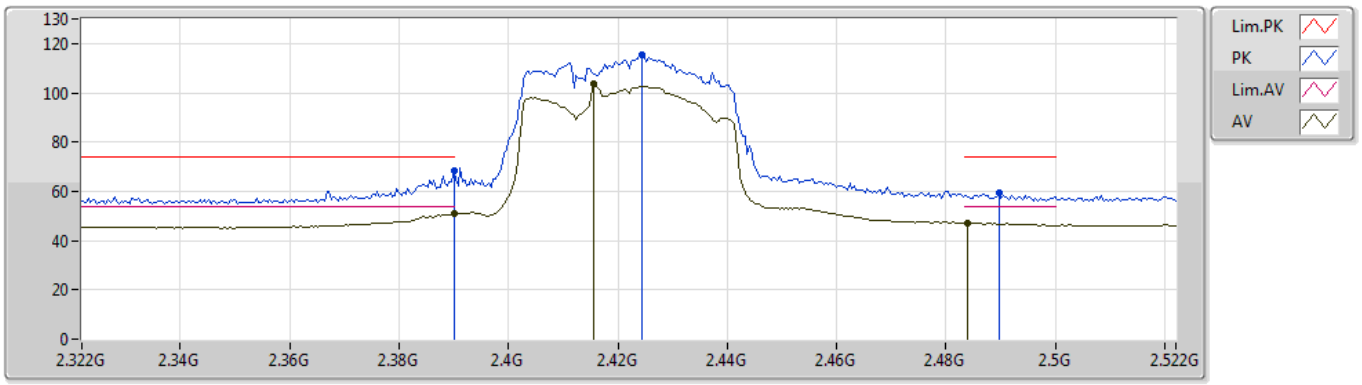
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	69.34	74.00	-4.66	32.11	3	Vertical	315	2.14	-
AV	2.388G	53.25	54.00	-0.75	32.11	3	Vertical	315	2.14	-
PK	2.4288G	114.25	Inf	-Inf	32.24	3	Vertical	315	2.14	-
AV	2.4272G	102.13	Inf	-Inf	32.24	3	Vertical	315	2.14	-
PK	2.4876G	61.12	74.00	-12.88	32.42	3	Vertical	315	2.14	-
AV	2.4836G	48.76	54.00	-5.24	32.41	3	Vertical	315	2.14	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

10/06/2019



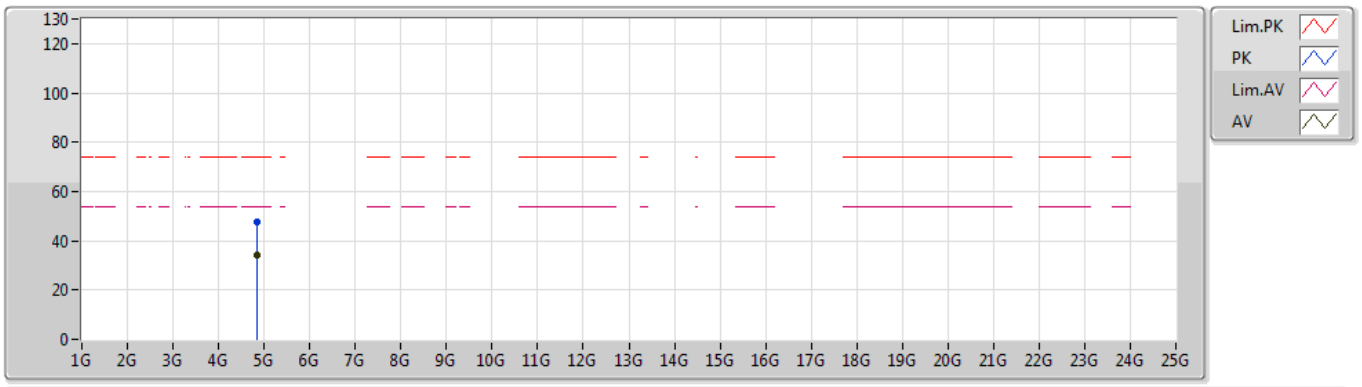
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.39G	68.41	74.00	-5.59	32.13	3	Horizontal	182	1.94	-
AV	2.39G	51.03	54.00	-2.97	32.13	3	Horizontal	182	1.94	-
PK	2.4244G	115.51	Inf	-Inf	32.23	3	Horizontal	182	1.94	-
AV	2.4156G	103.42	Inf	-Inf	32.20	3	Horizontal	182	1.94	-
PK	2.4896G	59.25	74.00	-14.75	32.43	3	Horizontal	182	1.94	-
AV	2.484G	47.15	54.00	-6.85	32.41	3	Horizontal	182	1.94	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

10/06/2019



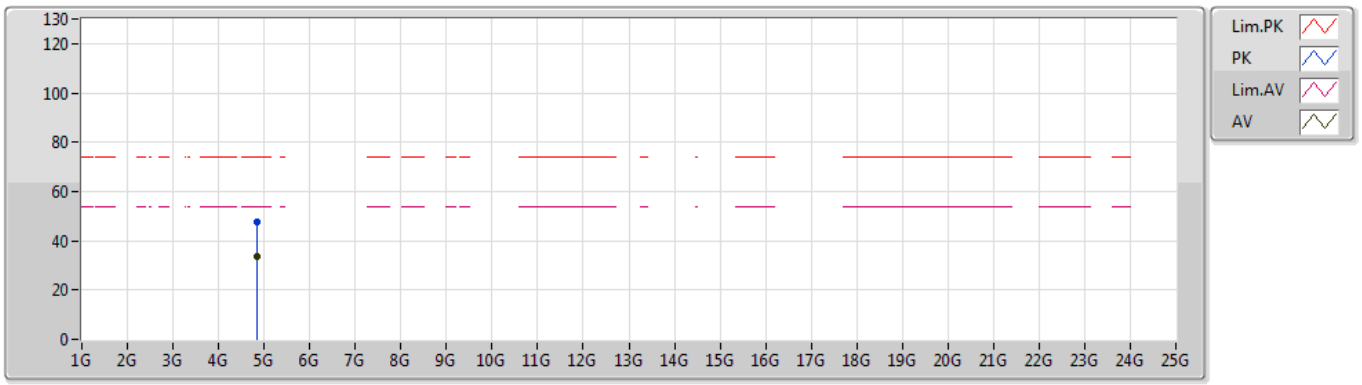
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.853G	47.51	74.00	-26.49	6.77	3	Vertical	146	1.48	-
AV	4.8436G	34.31	54.00	-19.69	6.75	3	Vertical	146	1.48	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2422MHz_TX

10/06/2019



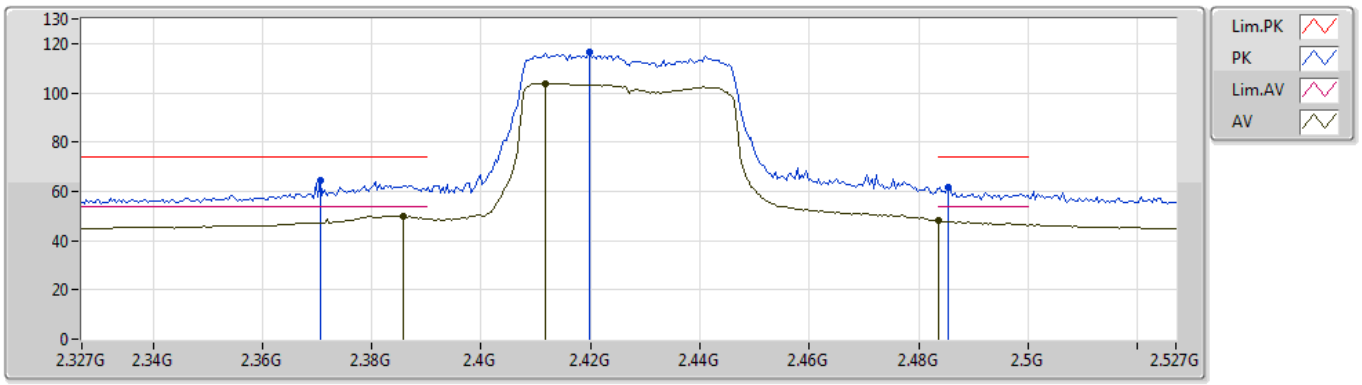
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.83628G	47.46	74.00	-26.54	6.72	3	Horizontal	300	1.76	-
AV	4.85364G	33.76	54.00	-20.24	6.77	3	Horizontal	300	1.76	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2427MHz_TX

10/06/2019



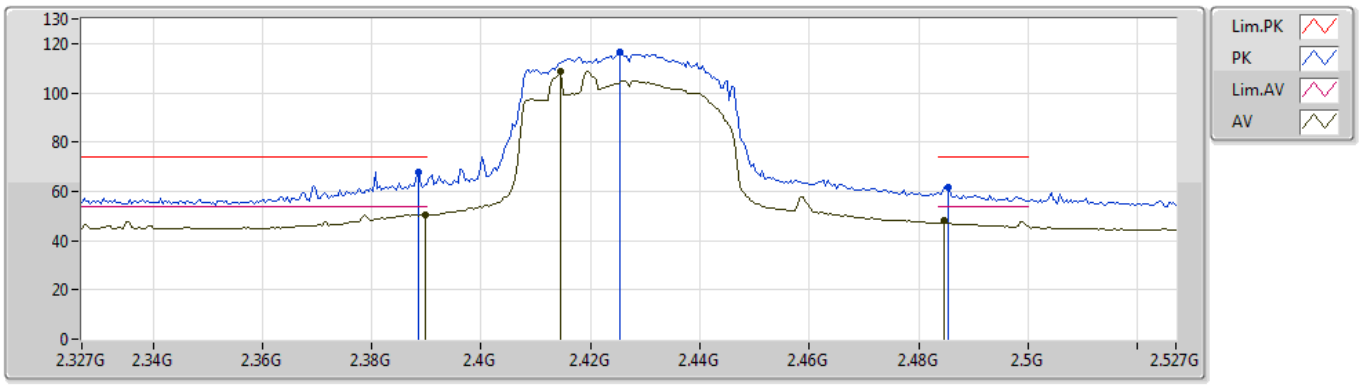
EUT Z_4TX
Setting 25
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3706G	64.51	74.00	-9.49	31.16	3	Vertical	34	1.48	-
AV	2.3858G	50.03	54.00	-3.97	31.19	3	Vertical	34	1.48	-
PK	2.4198G	116.59	Inf	-Inf	31.27	3	Vertical	34	1.48	-
AV	2.4118G	103.81	Inf	-Inf	31.25	3	Vertical	34	1.48	-
PK	2.4854G	61.89	74.00	-12.11	31.40	3	Vertical	34	1.48	-
AV	2.4835G	47.99	54.00	-6.01	31.39	3	Vertical	34	1.48	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2427MHz_TX

10/06/2019



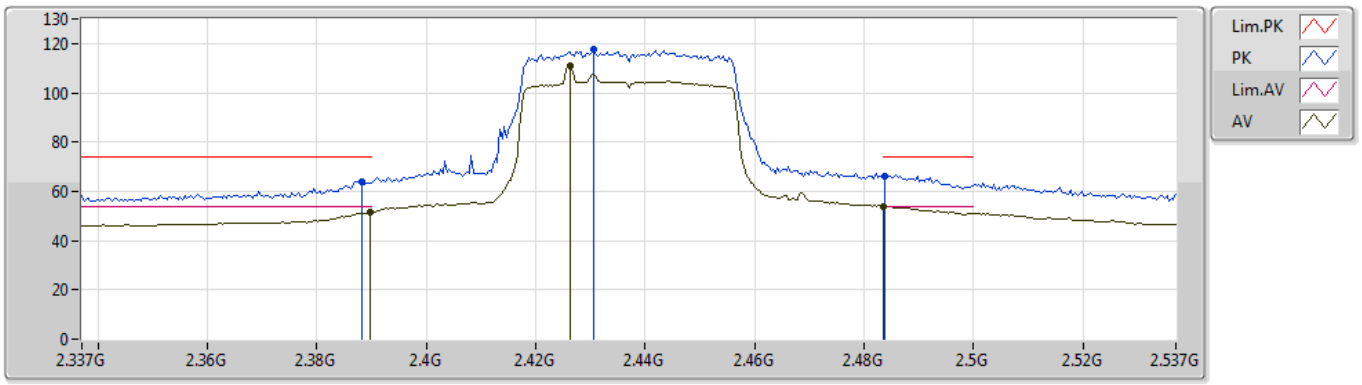
EUT Z_4TX
Setting 25
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3886G	68.08	74.00	-5.92	31.20	3	Horizontal	38	2.10	-
AV	2.3898G	50.45	54.00	-3.55	31.20	3	Horizontal	38	2.10	-
PK	2.4254G	116.44	Inf	-Inf	31.28	3	Horizontal	38	2.10	-
AV	2.4146G	108.57	Inf	-Inf	31.26	3	Horizontal	38	2.10	-
PK	2.4854G	61.77	74.00	-12.23	31.40	3	Horizontal	38	2.10	-
AV	2.4846G	47.95	54.00	-6.05	31.40	3	Horizontal	38	2.10	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

10/06/2019



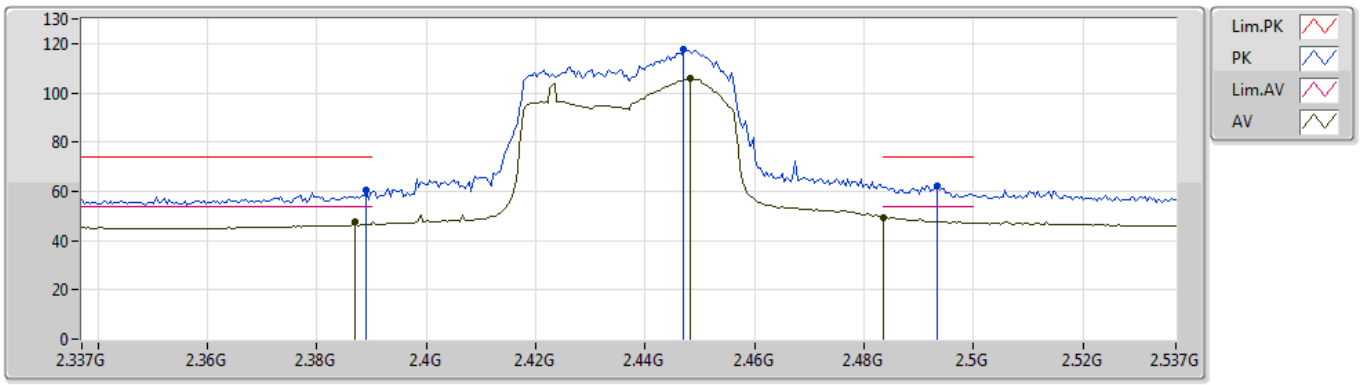
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3882G	64.12	74.00	-9.88	32.11	3	Vertical	309	2.04	-
AV	2.3898G	51.71	54.00	-2.29	32.13	3	Vertical	309	2.04	-
PK	2.4306G	117.70	Inf	-Inf	32.25	3	Vertical	309	2.04	-
AV	2.4262G	111.06	Inf	-Inf	32.24	3	Vertical	309	2.04	-
PK	2.4838G	66.15	74.00	-7.85	32.41	3	Vertical	309	2.04	-
AV	2.4836G	53.91	54.00	-0.09	32.41	3	Vertical	309	2.04	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

10/06/2019



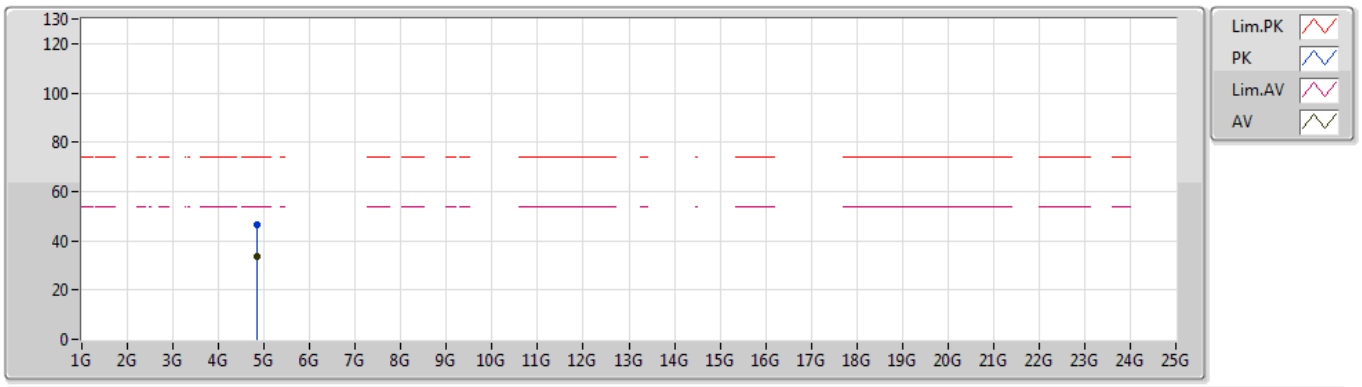
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.389G	60.28	74.00	-13.72	32.12	3	Horizontal	355	1.49	-
AV	2.387G	47.46	54.00	-6.54	32.11	3	Horizontal	355	1.49	-
PK	2.447G	117.92	Inf	-Inf	32.30	3	Horizontal	355	1.49	-
AV	2.4482G	105.80	Inf	-Inf	32.31	3	Horizontal	355	1.49	-
PK	2.4934G	62.47	74.00	-11.53	32.44	3	Horizontal	355	1.49	-
AV	2.4835G	49.56	54.00	-4.44	32.41	3	Horizontal	355	1.49	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

10/06/2019



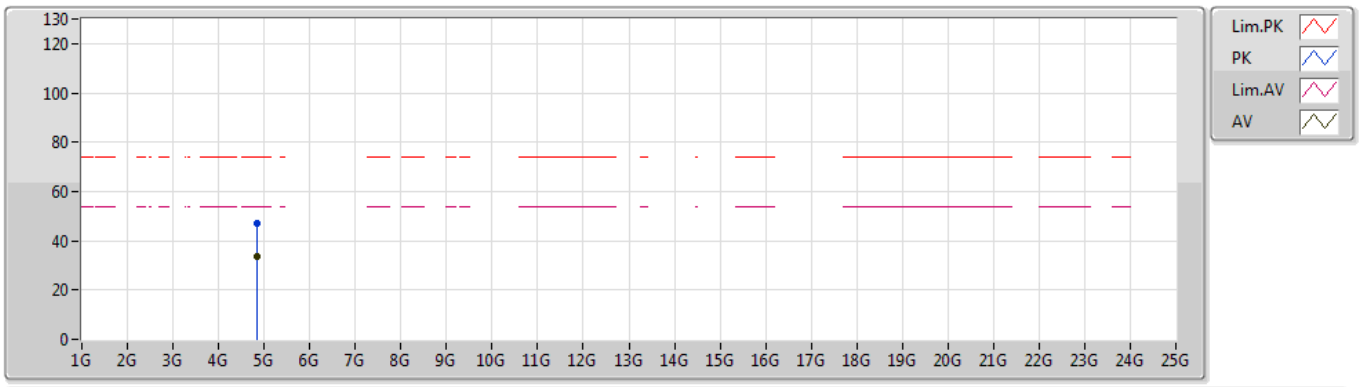
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.85028G	46.64	74.00	-27.36	6.77	3	Vertical	94	1.59	-
AV	4.85392G	33.83	54.00	-20.17	6.77	3	Vertical	94	1.59	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2437MHz_TX

10/06/2019



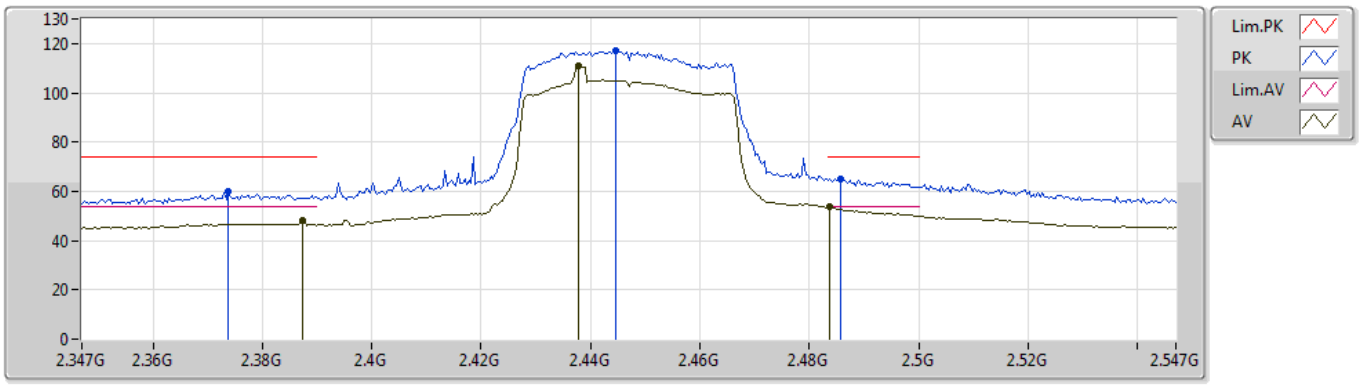
EUT Z_4TX
Setting 25
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.85144G	47.32	74.00	-26.68	6.77	3	Horizontal	230	1.24	-
AV	4.83588G	33.55	54.00	-20.45	6.72	3	Horizontal	230	1.24	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2447MHz_TX

10/06/2019



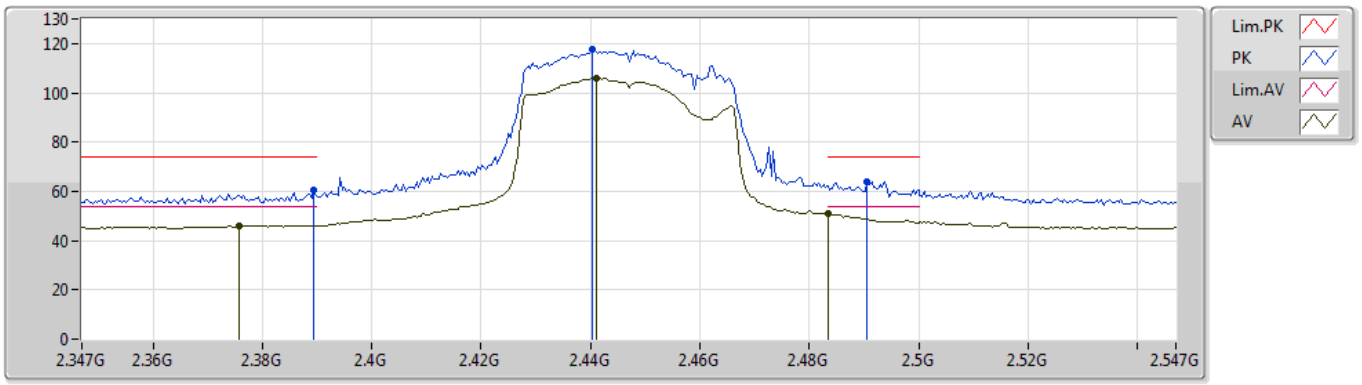
EUT Z_4TX
Setting 25
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3738G	59.80	74.00	-14.20	31.16	3	Vertical	80	1.48	-
AV	2.3874G	48.39	54.00	-5.61	31.20	3	Vertical	80	1.48	-
PK	2.4446G	117.32	Inf	-Inf	31.32	3	Vertical	80	1.48	-
AV	2.4378G	111.07	Inf	-Inf	31.31	3	Vertical	80	1.48	-
PK	2.4858G	65.10	74.00	-8.90	31.40	3	Vertical	80	1.48	-
AV	2.4838G	53.68	54.00	-0.32	31.39	3	Vertical	80	1.48	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2447MHz_TX

10/06/2019



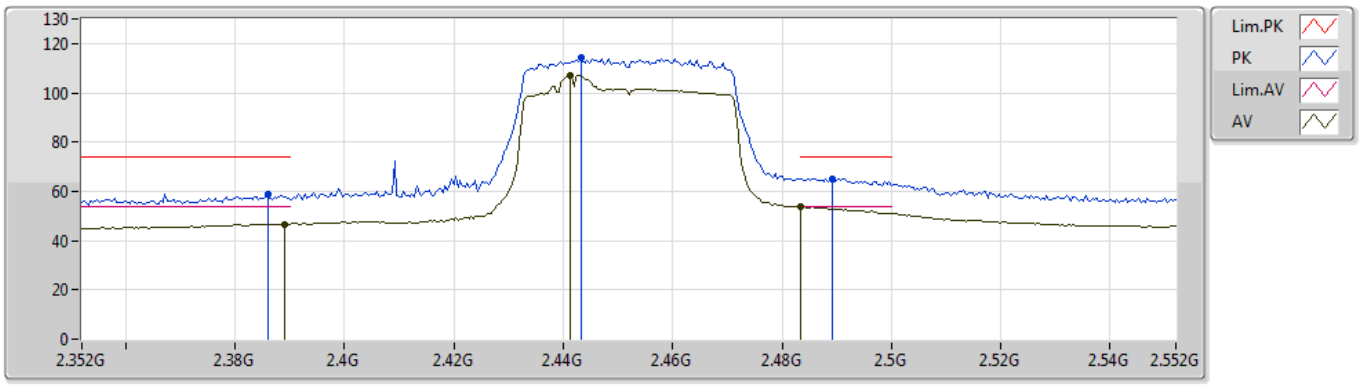
EUT Z_4TX
Setting 25
02-J-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3894G	60.57	74.00	-13.43	31.20	3	Horizontal	191	2.47	-
AV	2.3758G	46.18	54.00	-7.82	31.17	3	Horizontal	191	2.47	-
PK	2.4402G	117.78	Inf	-Inf	31.31	3	Horizontal	191	2.47	-
AV	2.441G	105.85	Inf	-Inf	31.32	3	Horizontal	191	2.47	-
PK	2.4906G	63.88	74.00	-10.12	31.41	3	Horizontal	191	2.47	-
AV	2.4835G	50.77	54.00	-3.23	31.39	3	Horizontal	191	2.47	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

10/06/2019



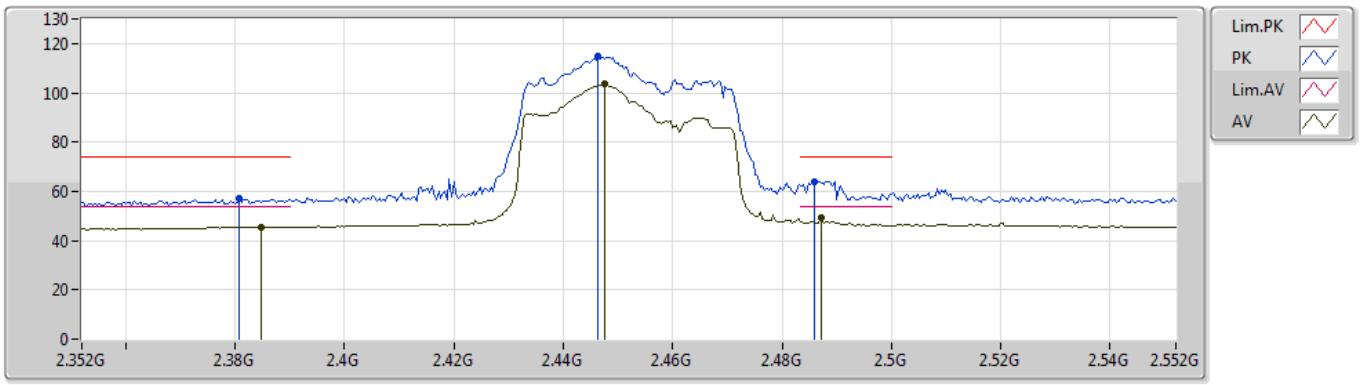
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.386G	58.64	74.00	-15.36	32.11	3	Vertical	310	1.98	-
AV	2.3892G	46.65	54.00	-7.35	32.13	3	Vertical	310	1.98	-
PK	2.4432G	114.35	Inf	-Inf	32.29	3	Vertical	310	1.98	-
AV	2.4412G	107.08	Inf	-Inf	32.28	3	Vertical	310	1.98	-
PK	2.4892G	65.27	74.00	-8.73	32.43	3	Vertical	310	1.98	-
AV	2.4835G	53.87	54.00	-0.13	32.41	3	Vertical	310	1.98	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

10/06/2019



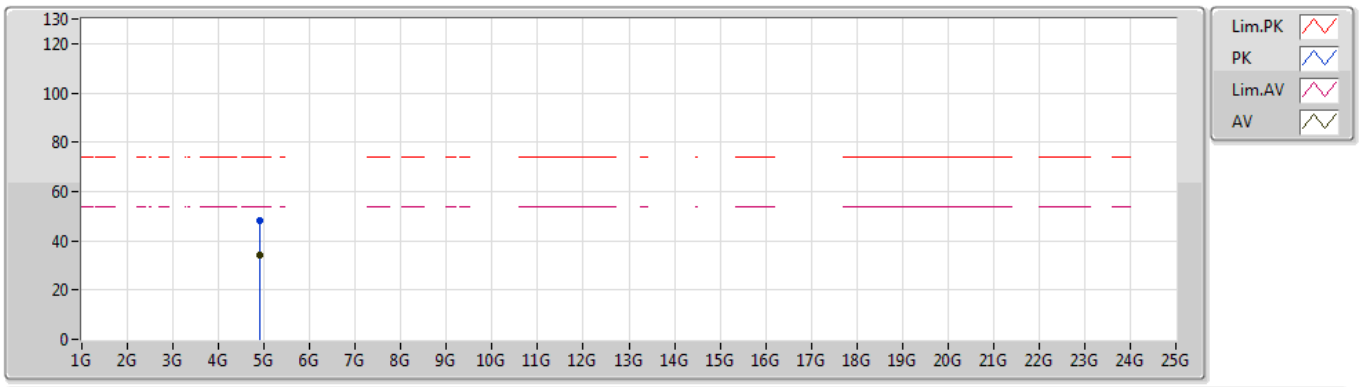
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	2.3808G	57.35	74.00	-16.65	32.10	3	Horizontal	352	1.47	-
AV	2.3848G	45.47	54.00	-8.53	32.11	3	Horizontal	352	1.47	-
PK	2.4464G	114.71	Inf	-Inf	32.30	3	Horizontal	352	1.47	-
AV	2.4476G	103.51	Inf	-Inf	32.30	3	Horizontal	352	1.47	-
PK	2.486G	64.09	74.00	-9.91	32.42	3	Horizontal	352	1.47	-
AV	2.4872G	49.15	54.00	-4.85	32.42	3	Horizontal	352	1.47	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

10/06/2019



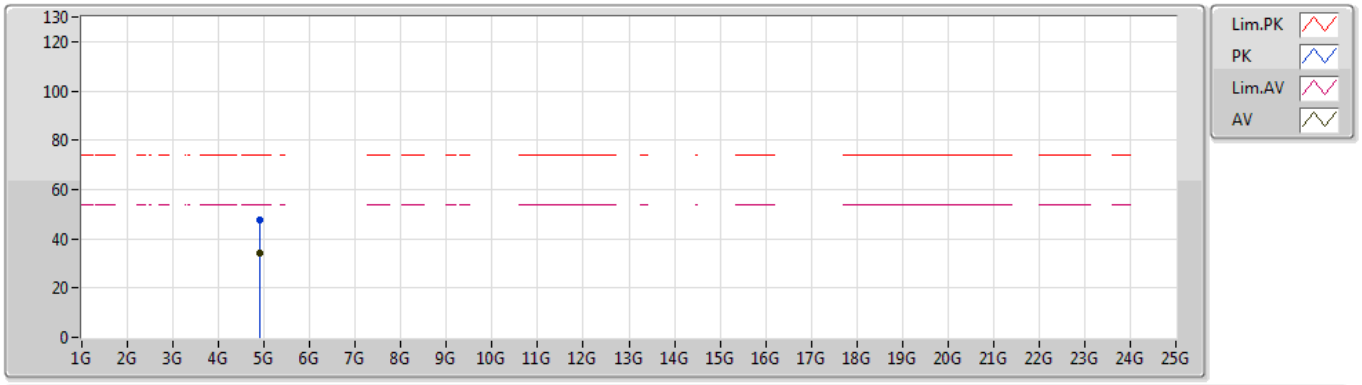
EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.91176G	48.03	74.00	-25.97	6.93	3	Vertical	320	1.31	-
AV	4.90352G	34.36	54.00	-19.64	6.90	3	Vertical	320	1.31	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

2452MHz_TX

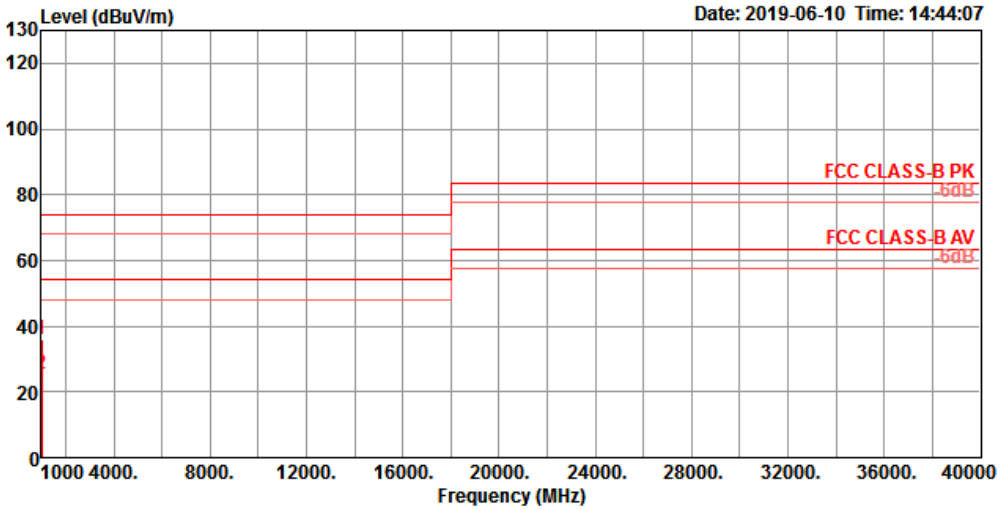
10/06/2019



EUT Z_4TX
Setting 22
06-R-5
FSP(100080)

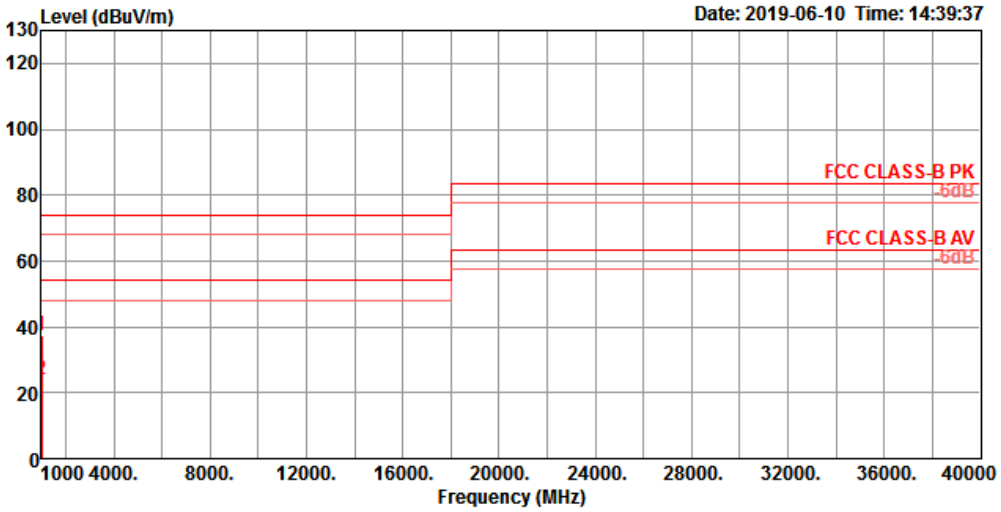
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	4.9034G	47.71	74.00	-26.29	6.90	3	Horizontal	320	1.00	-
AV	4.89536G	34.42	54.00	-19.58	6.88	3	Horizontal	320	1.00	-

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1000.14	36.17	74.00	-37.83	47.82	2.88	23.30	37.83	102	218	Peak	HORIZONTAL
2	1000.21	25.38	54.00	-28.62	37.03	2.88	23.30	37.83	102	218	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1000.03	37.34	74.00	-36.66	48.99	2.88	23.30	37.83	223	33	Peak	VERTICAL
2	1000.04	24.02	54.00	-29.98	35.67	2.88	23.30	37.83	223	33	Average	VERTICAL