



FCC RADIO TEST REPORT

FCC ID : TOR-C200
Equipment : 802.11 a/n/ac/ax + b/g/n/ax Access Point
Brand Name : ARISTA
Model Name : C-200
Applicant : Arista Networks, Inc.
5453 Great America Parkway Santa Clara, CA
95054 United States
Manufacturer : Arista Networks, Inc.
5453 Great America Parkway Santa Clara, CA
95054 United States
Standard : 47 CFR FCC Part 15.247

The product was received on Oct. 06, 2020, and testing was started from Oct. 07, 2020 and completed on Oct. 14, 2020. 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 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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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.2



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: Cindy Peng



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	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT20-BF	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

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.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Type	Connector	Antenna Gain (dBi)		Correlated Composite Gain (dBi)	
						2.4GHz		2.4GHz	
1	1	WNC	C200	PIFA	I-PEX	2.74		3.27	
2	2	WNC	C200	Printed	N/A	2.89			
Ant.	Port	Brand	Model Name	Type	Connector	Antenna Gain (dBi)		Correlated Composite Gain (dBi)	
						5GHz Band 1	5GHz Band 4	5GHz Band 1	5GHz Band 4
3	1	WNC	C200	PIFA	I-PEX	3.45	3.45	4.24	4.75
4	2	WNC	C200	Printed	N/A	5.09	5.09		

Note1: The above information was declared by manufacturer.

Note2: The EUT has four antennas.

For 2.4GHz WLAN function, 802.11b/g/n/VHT/ax mode (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz WLAN function, 802.11a/n/ac/ax mode (2TX/2RX):

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

For non-beamforming mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.948	0.23	11.831m	100
802.11g	0.645	1.9	313.75u	10k
802.11ax HEW20	0.953	0.21	5.448m	300
802.11ax HEW40	0.962	0.17	5.448m	300

For beamforming mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	0.974	0.11	1.766m	1k
802.11ax HEW40-BF	0.958	0.19	1.766m	1k

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

**1.1.4 EUT Operational Condition**

EUT Power Type	From power adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For 802.11n/ax/VHT in 2.4GHz and 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	For non-beamforming function: QRCT V4.0.00163.0			
	For beamforming function: telnet			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

There are two EUTs and the difference as below.

EUT	5G FEM	
	Brand Name	Model Name
1	Qorvo	QPF4568
2	Qorvo	QM45868

Note: The difference between them is the control voltage.

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

The following reference test guidance is not within the scope of accreditation of TAF.

- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 414788 D01 v01r01

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	TH03-CB	Owen Hsu	23.2~23.9°C / 55~57%	Oct. 12, 2020
Radiated Below 1GHz	03CH03-CB	Eason Chen	23.1~23.78°C / 54~56%	Oct. 07, 2020
Radiated Above 1GHz	03CH01-CB	JN Du	23.6~25.5°C / 55~57%	Oct. 07, 2020~Oct. 14, 2020
AC Conduction	CO01-CB	Wei Li	24~25°C / 59~62%	Oct. 12, 2020

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D 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)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.6 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For non-beamforming mode:

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23
2437MHz	22.5
2462MHz	22.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18.5
2417MHz	20
2437MHz	23
2457MHz	19.5
2462MHz	18
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	20
2437MHz	24
2457MHz	19.5
2462MHz	18
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2437MHz	18
2452MHz	15.5

For beamforming mode:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	21
2437MHz	23
2462MHz	21
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	18
2437MHz	20
2452MHz	18

Note:

- ♦ There are two modes of EUT for 802.11n/ax/VHT in 2.4GHz and 802.11n/ac/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
1	EUT 1 + Adapter 1
2	EUT 1 + Adapter 2
3	EUT 1 + PoE
For operating mode 3 is the worst case and it was record in this test report.	

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
Operating Mode	
1	EUT 1



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
1	EUT 1 in Z axis + Adapter 1
2	EUT 1 in Y axis + Adapter 1
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT 1 in Z axis + Adapter 2
4	EUT 1 in Z axis + PoE
Mode 4 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT 2 in Z axis + PoE
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT 1 in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1 - WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA000614 for Co-location RF Exposure Evaluation.	

Note1: The console port can not be used by end user. It is generally used for setting EUT by professional installer.

Note2: The adapter and PoE are for measurement only, would not be marketed.

Equipment	Brand Name	Model Name	FCC ID
Adapter 1	APD	WB-24J12R	N/A
Adapter 2	APD	WA-24Q12R	N/A
PoE	PHIHONG	POEA33U-1ATE	N/A



2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming 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 DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories	
No.	Equipment Name
1	Wall-mounted rack*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	PoE	PHIHONG	POEA33U-1ATE	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	PHIHONG	POEA33U-1ATE	N/A
B	LAN NB	DELL	E4300	N/A
C	2.4G NB	DELL	E4300	N/A
D	5G NB	DELL	E4300	N/A

For Radiated (above 1GHz) and RF Conducted:

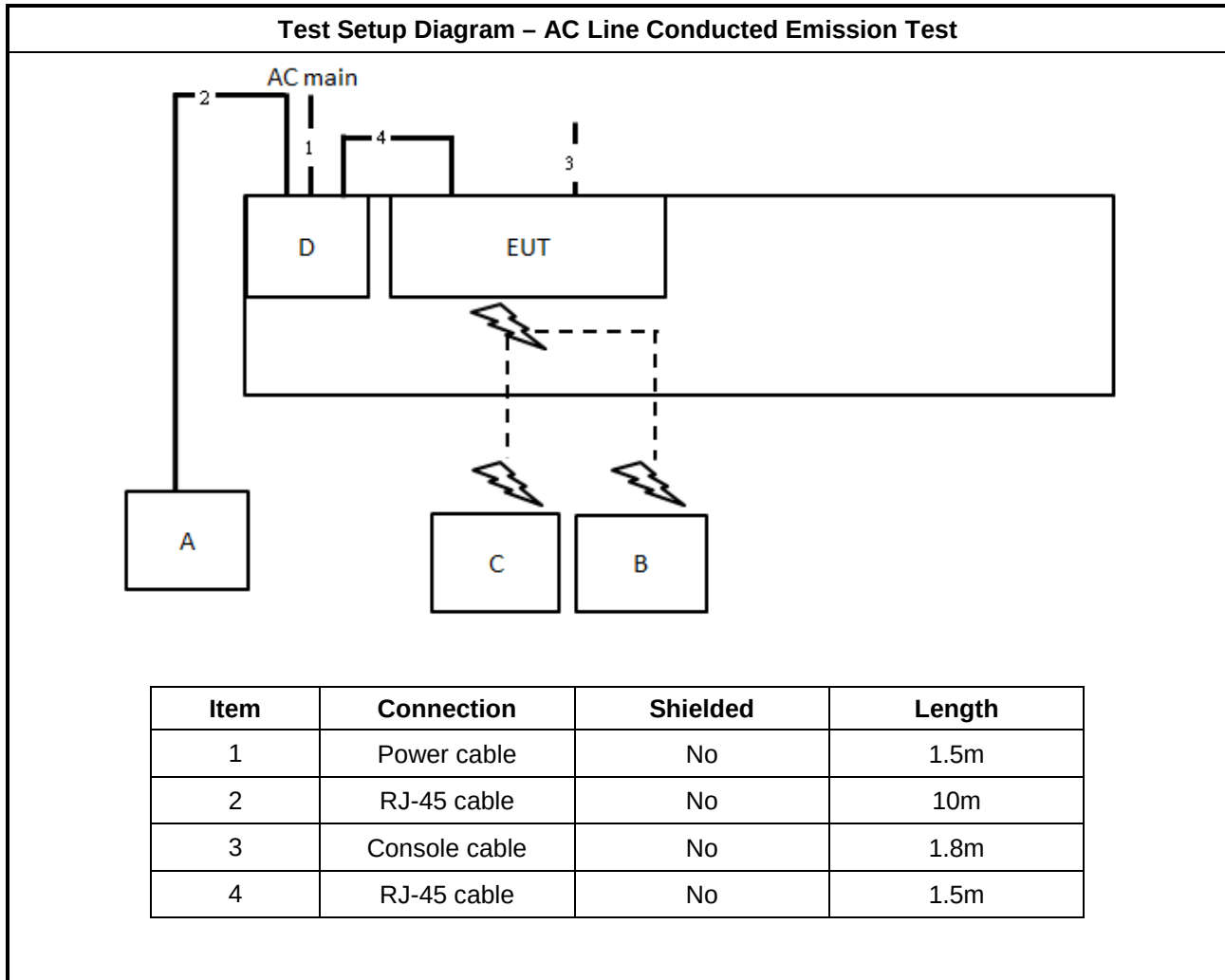
For non-beamforming mode:

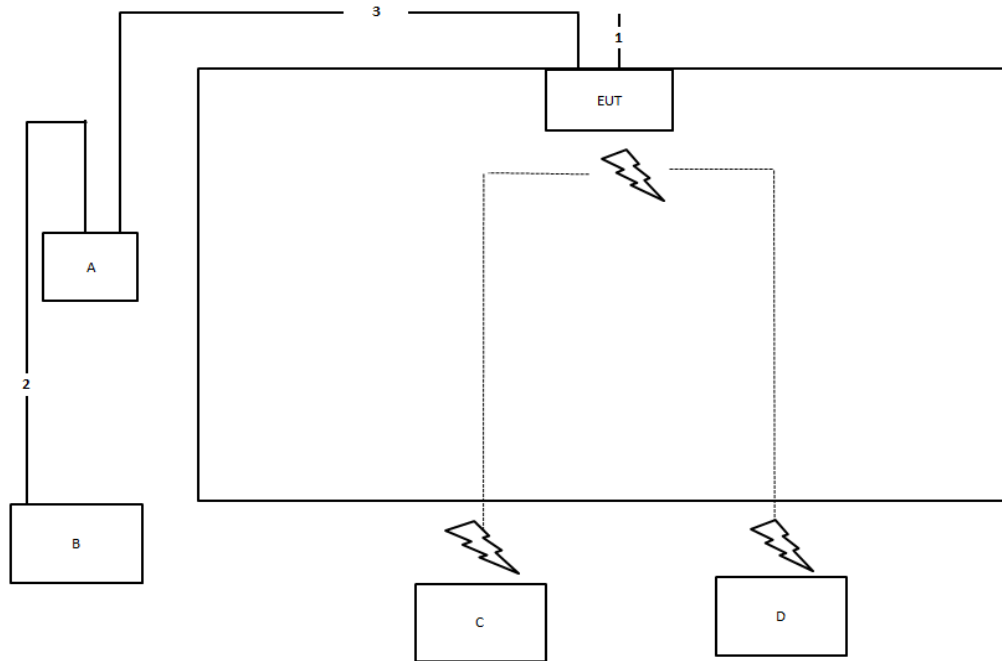
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
D	AC Adapter	APD	WA-24Q12R	N/A

For beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN AP	ARISTA	C200	TOR-C200
D	AC Adapter	APD	WA-24Q12R	N/A

2.6 Test Setup Diagram

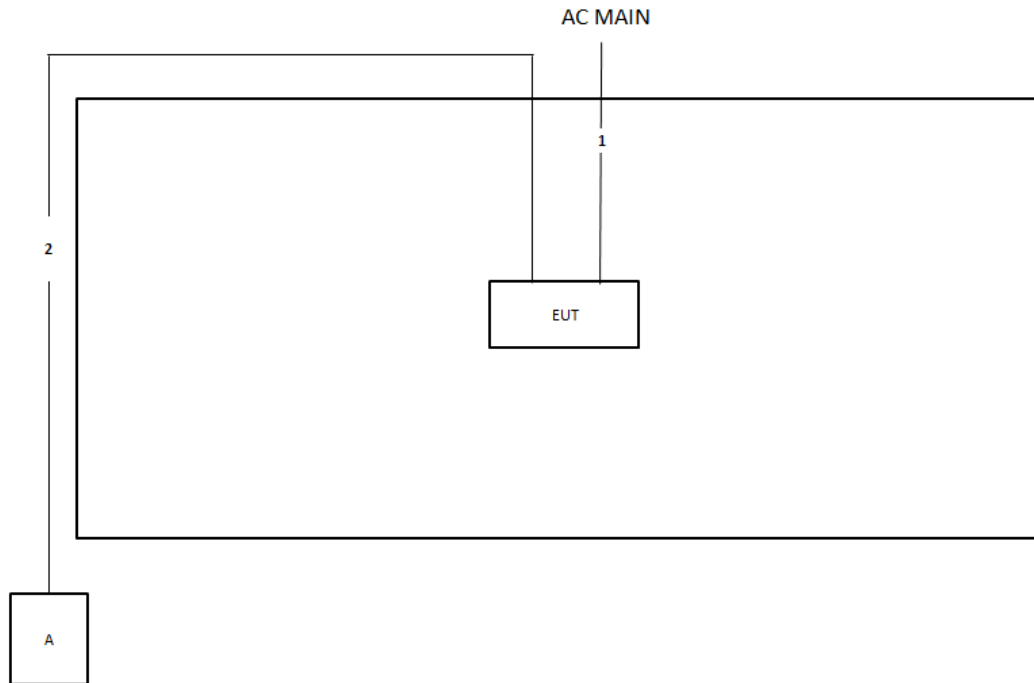


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Console cable	No	1.8m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz

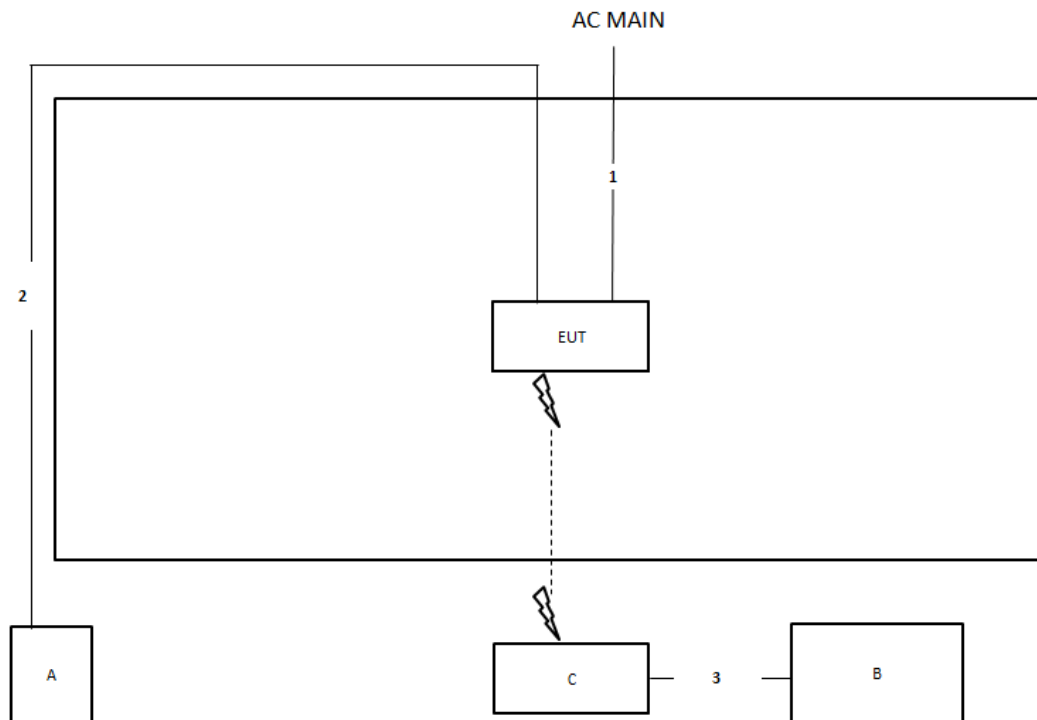
For non-beamforming mode:



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

Test Setup Diagram - Radiated Test > 1GHz

For beamforming mode:



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

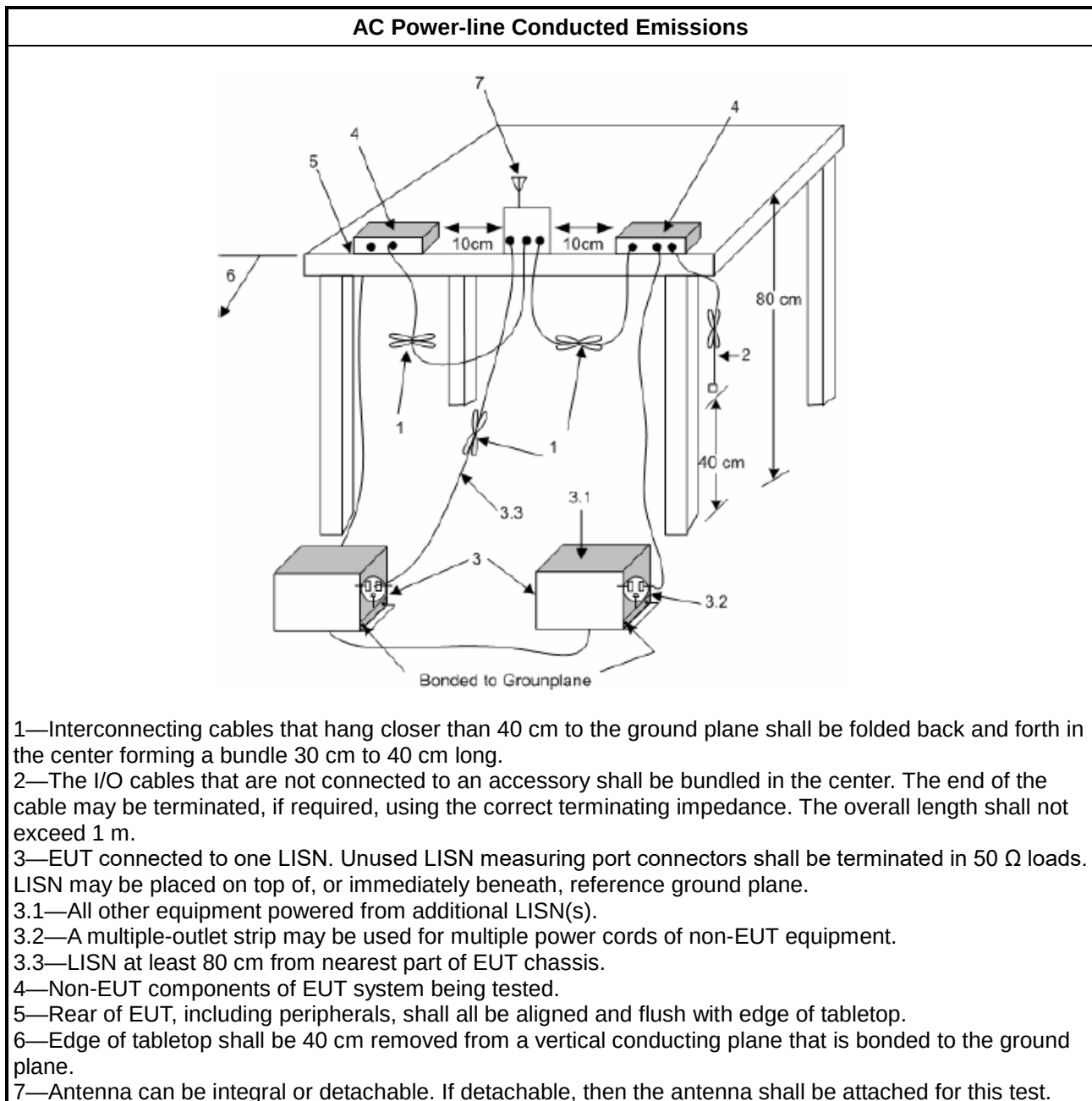
3.1.2 Measuring Instruments

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



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 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 $\geq$ 500 kHz.

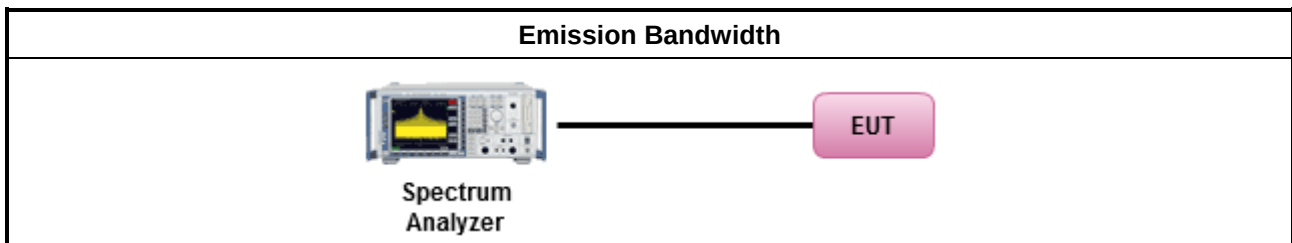
3.2.2 Measuring Instruments

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



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

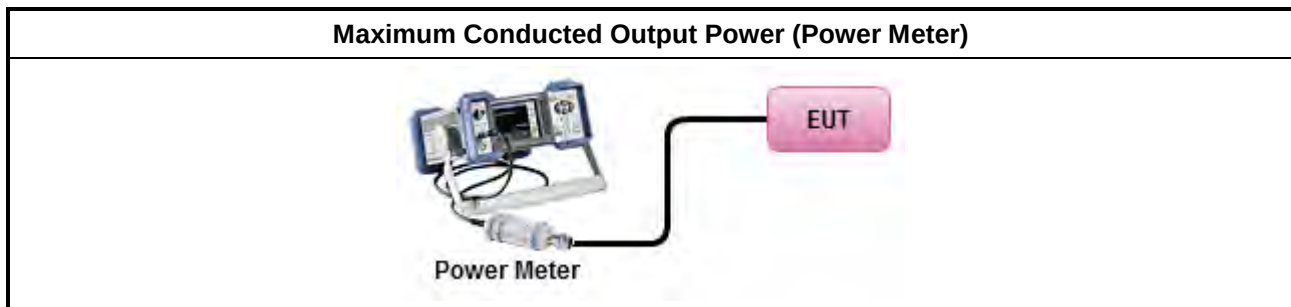
Refer a test equipment and calibration data table in this test report.



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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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

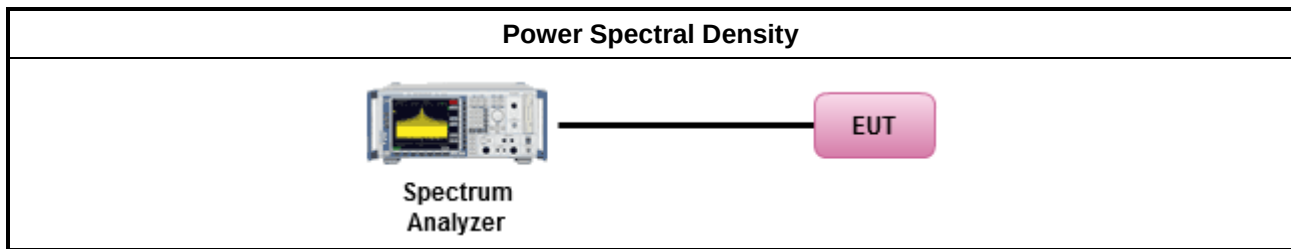
3.4.2 Measuring Instruments

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 Method Max. PSD.
▪	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



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.	

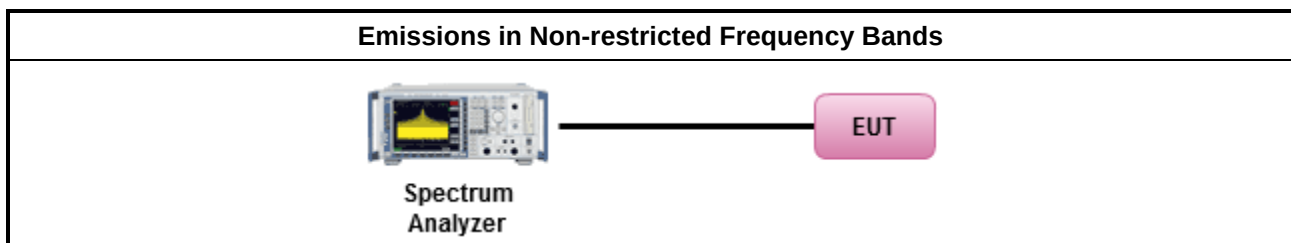
3.5.2 Measuring Instruments

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



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

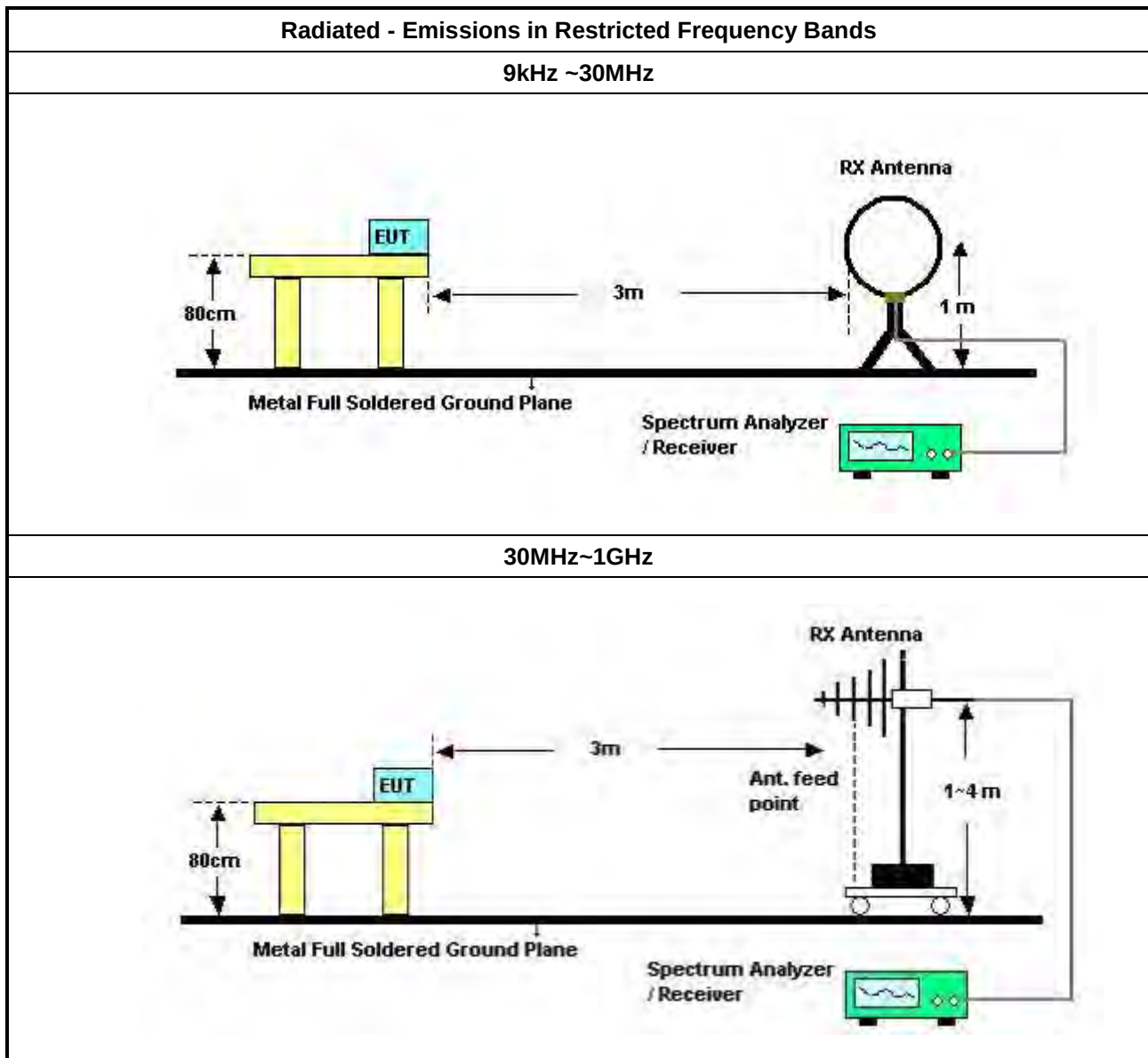
Refer a test equipment and calibration data table in this test report.

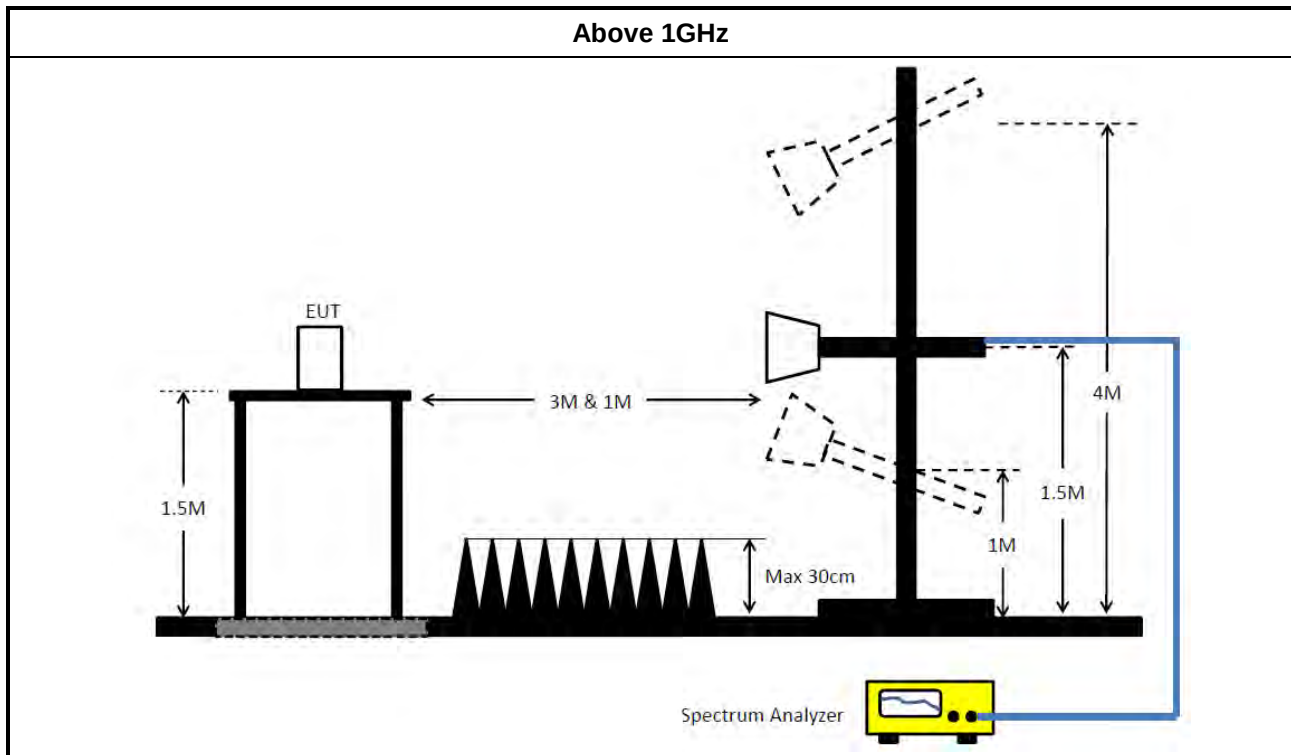


3.6.3 Test Procedures

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 $\geq 98\%$).
	☐ 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 $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, 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





3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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 10th harmonic or 40 GHz, whichever is appropriate.

3.6.7 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 ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 15, 2020	Jan. 14, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Site V.S.W.R	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

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



AC Power-line Conducted Emissions Result

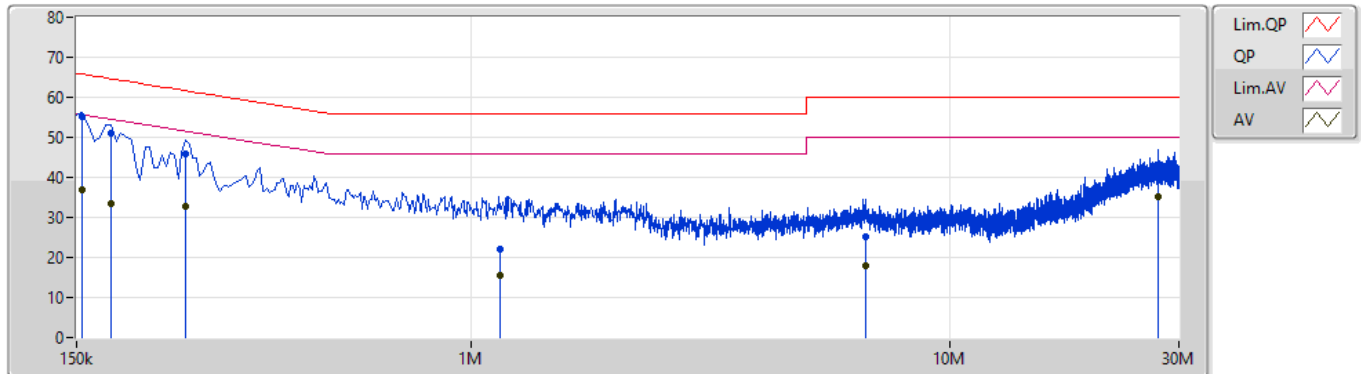
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	QP	154.5k	55.19	65.75	-10.56	Line

Mode 3

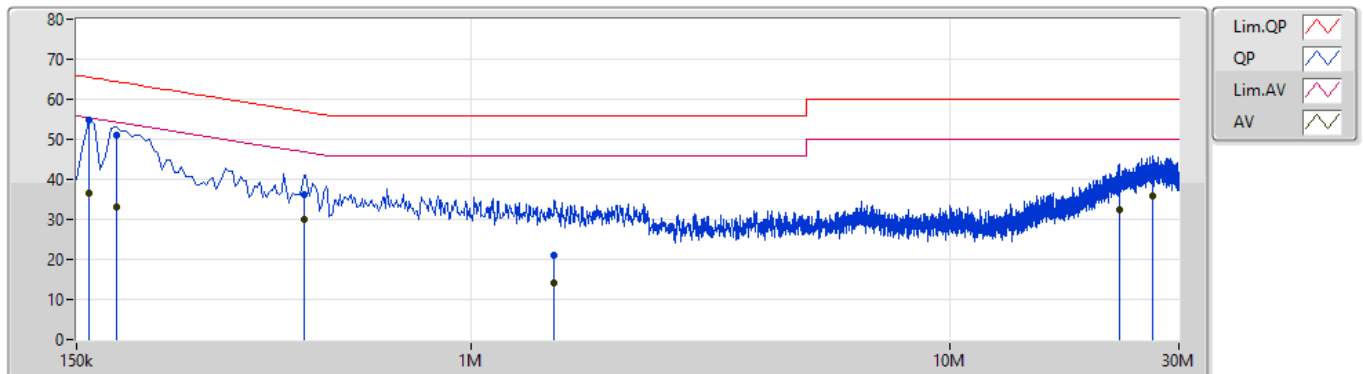
12/10/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	154.5k	55.19	65.75	-10.56	9.87	Line	"Worst"	45.32	0.05	0.03	9.79			
AV	154.5k	36.95	55.75	-18.80	9.87	Line	-	27.08	0.05	0.03	9.79			
QP	177k	50.90	64.62	-13.72	9.86	Line	-	41.04	0.04	0.03	9.79			
AV	177k	33.55	54.62	-21.07	9.86	Line	-	23.69	0.04	0.03	9.79			
QP	253.5k	45.70	61.64	-15.94	9.87	Line	-	35.83	0.04	0.03	9.80			
AV	253.5k	32.87	51.64	-18.77	9.87	Line	-	23.00	0.04	0.03	9.80			
QP	1.145M	21.96	56.00	-34.04	9.92	Line	-	12.04	0.05	0.05	9.82			
AV	1.145M	15.37	46.00	-30.63	9.92	Line	-	5.45	0.05	0.05	9.82			
QP	6.644M	25.04	60.00	-34.96	10.14	Line	-	14.90	0.13	0.14	9.87			
AV	6.644M	18.09	50.00	-31.91	10.14	Line	-	7.95	0.13	0.14	9.87			
QP	27.209M	41.47	60.00	-18.53	10.64	Line	-	30.83	0.29	0.32	10.03			
AV	27.209M	35.08	50.00	-14.92	10.64	Line	-	24.44	0.29	0.32	10.03			

Mode 3

12/10/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159k	54.79	65.52	-10.73	9.86	Neutral	"Worst"	44.93	0.04	0.03	9.79			
AV	159k	36.61	55.52	-18.91	9.86	Neutral	-	26.75	0.04	0.03	9.79			
QP	181.5k	51.05	64.41	-13.36	9.86	Neutral	-	41.19	0.04	0.03	9.79			
AV	181.5k	33.16	54.41	-21.25	9.86	Neutral	-	23.30	0.04	0.03	9.79			
QP	447k	36.31	56.94	-20.63	9.88	Neutral	-	26.43	0.04	0.03	9.81			
AV	447k	29.88	46.94	-17.06	9.88	Neutral	-	20.00	0.04	0.03	9.81			
QP	1.491M	20.99	56.00	-35.01	9.96	Neutral	-	11.03	0.07	0.06	9.83			
AV	1.491M	14.24	46.00	-31.76	9.96	Neutral	-	4.28	0.07	0.06	9.83			
QP	22.529M	38.54	60.00	-21.46	10.59	Neutral	-	27.95	0.25	0.33	10.01			
AV	22.529M	32.42	50.00	-17.58	10.59	Neutral	-	21.83	0.25	0.33	10.01			
QP	26.439M	42.14	60.00	-17.86	10.64	Neutral	-	31.50	0.29	0.32	10.03			
AV	26.439M	35.71	50.00	-14.29	10.64	Neutral	-	25.07	0.29	0.32	10.03			



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)_2TX	7.575M	13.293M	13M3G1D	7.05M	13.018M
802.11g_Nss1,(6Mbps)_2TX	16.275M	18.041M	18M0D1D	15.65M	16.342M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.7M	19.865M	19M9D1D	18.375M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.7M	37.781M	37M8D1D	36.75M	37.731M

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;

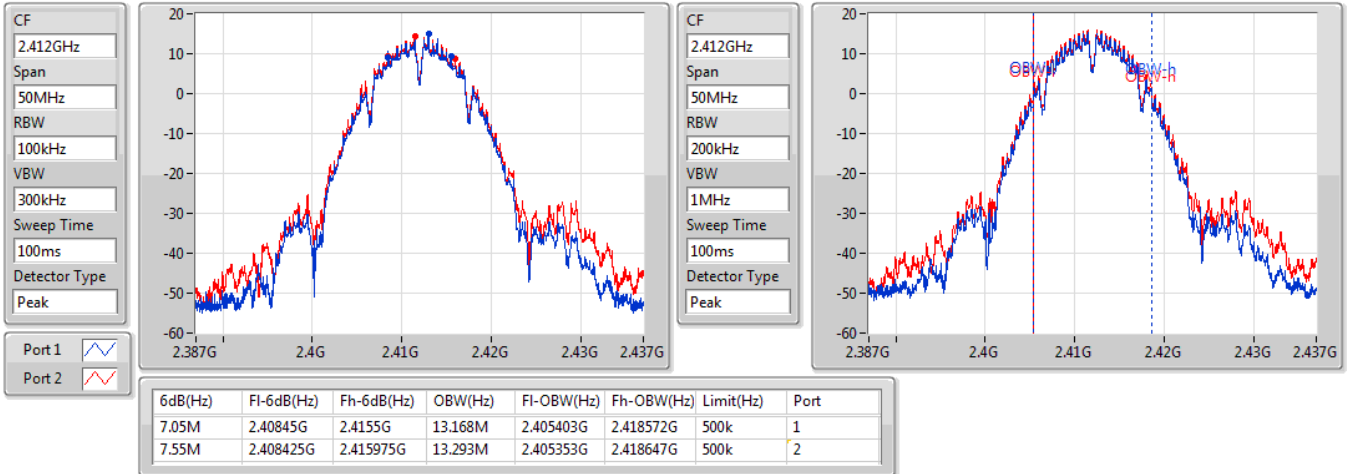
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	13.168M	7.55M	13.293M
2437MHz	Pass	500k	7.575M	13.018M	7.1M	13.068M
2462MHz	Pass	500k	7.55M	13.043M	7.525M	13.093M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.65M	16.367M	16.025M	16.392M
2437MHz	Pass	500k	15.9M	18.041M	16.275M	16.842M
2462MHz	Pass	500k	15.65M	16.342M	16.275M	16.367M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.475M	18.916M	18.4M	18.866M
2437MHz	Pass	500k	18.7M	19.515M	18.65M	19.865M
2462MHz	Pass	500k	18.375M	18.916M	18.575M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.8M	37.731M	37.25M	37.731M
2437MHz	Pass	500k	37.65M	37.731M	37.3M	37.731M
2452MHz	Pass	500k	36.75M	37.731M	37.7M	37.781M

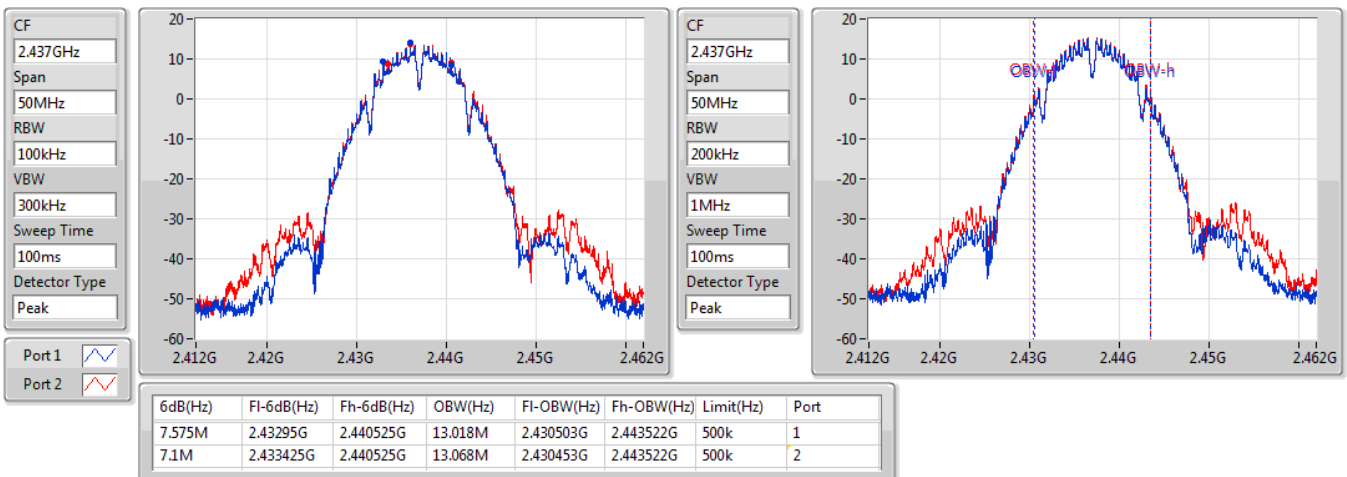
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

12/10/2020

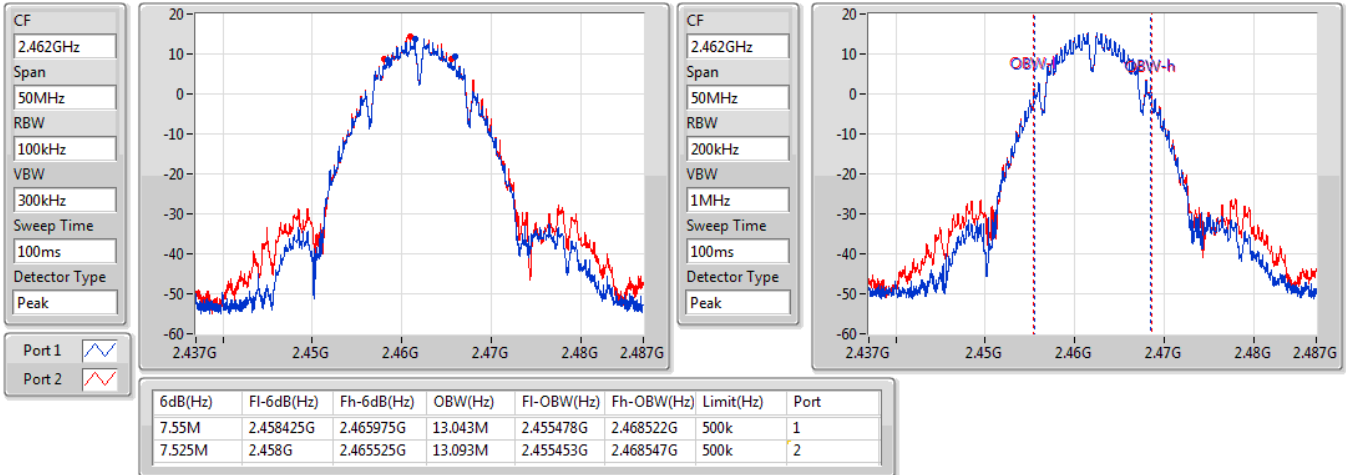

802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

12/10/2020

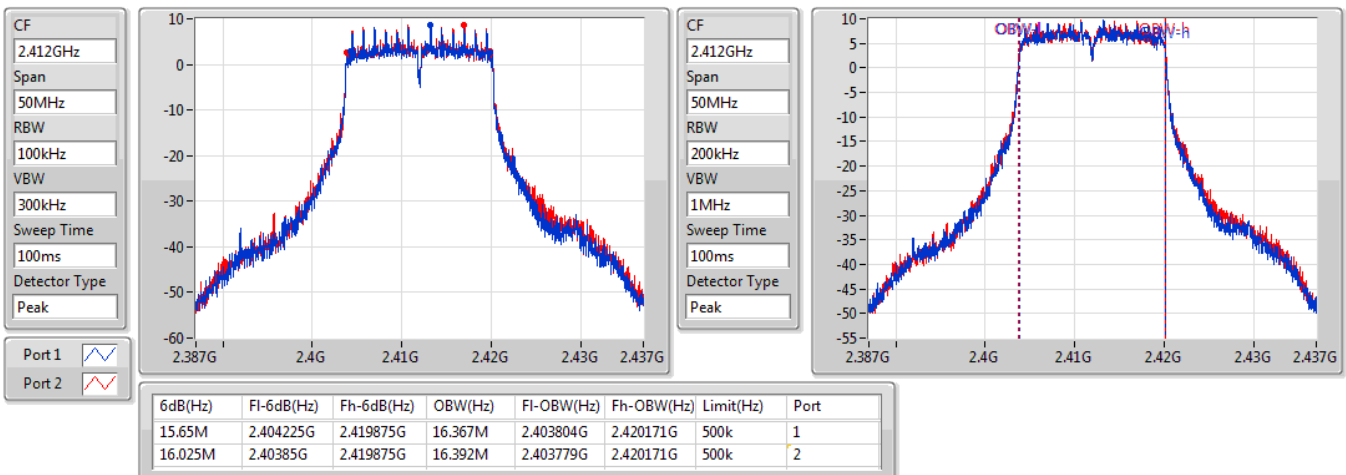


802.11b_Nss1,(1Mbps)_2TX
EBW
2462MHz

12/10/2020

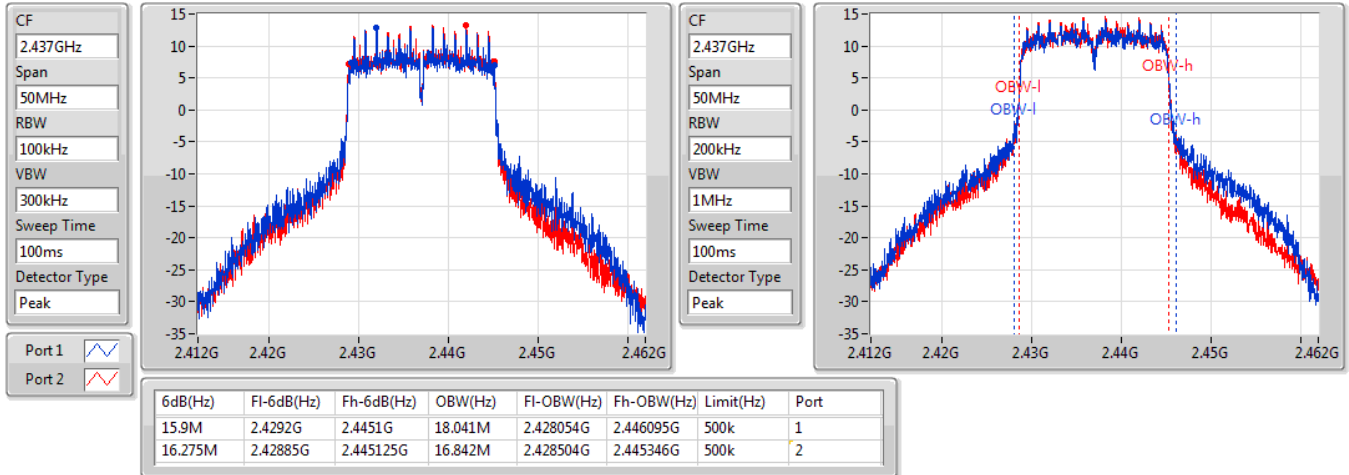

802.11g_Nss1,(6Mbps)_2TX
EBW
2412MHz

12/10/2020

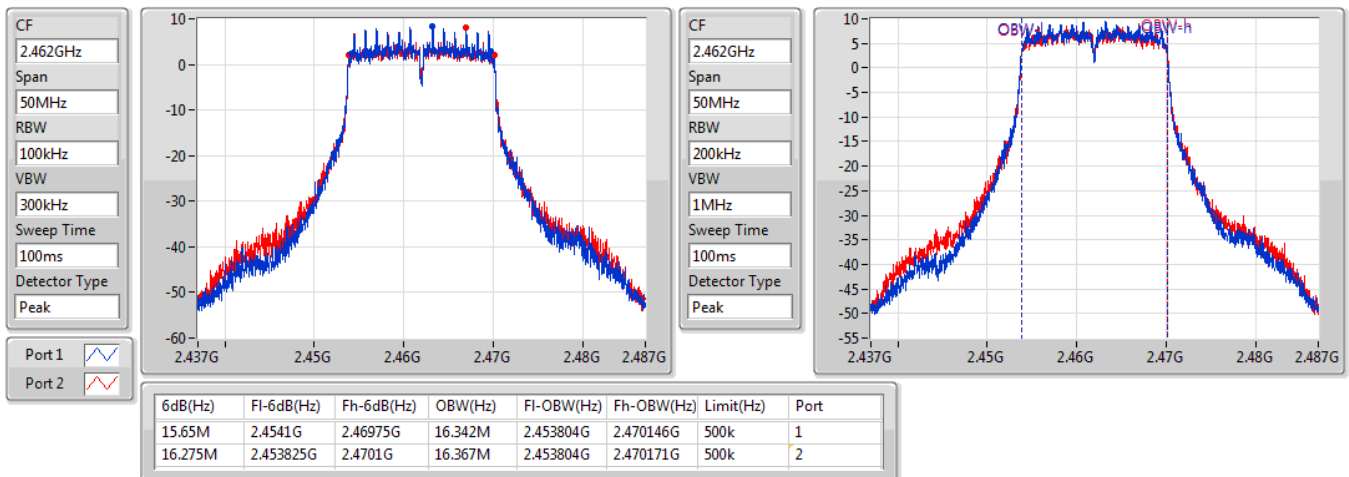


802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

12/10/2020

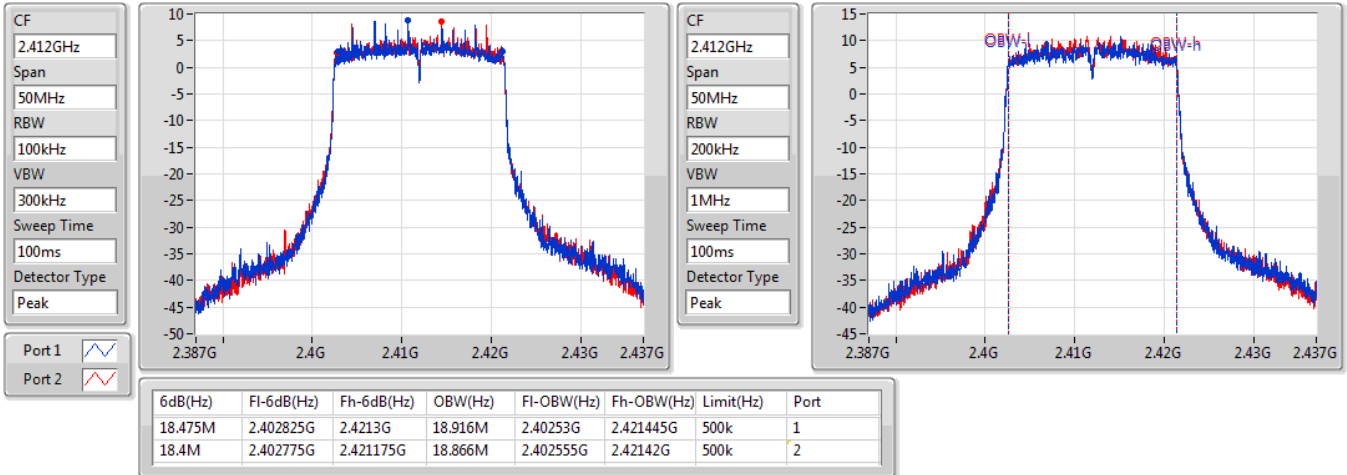

802.11g_Nss1,(6Mbps)_2TX
EBW
2462MHz

12/10/2020

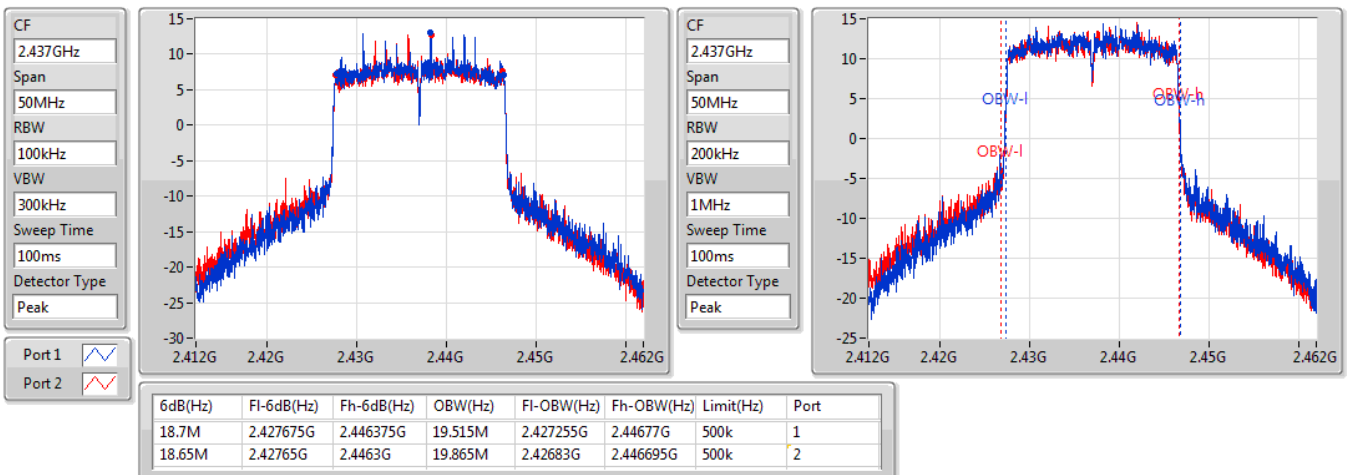


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

12/10/2020

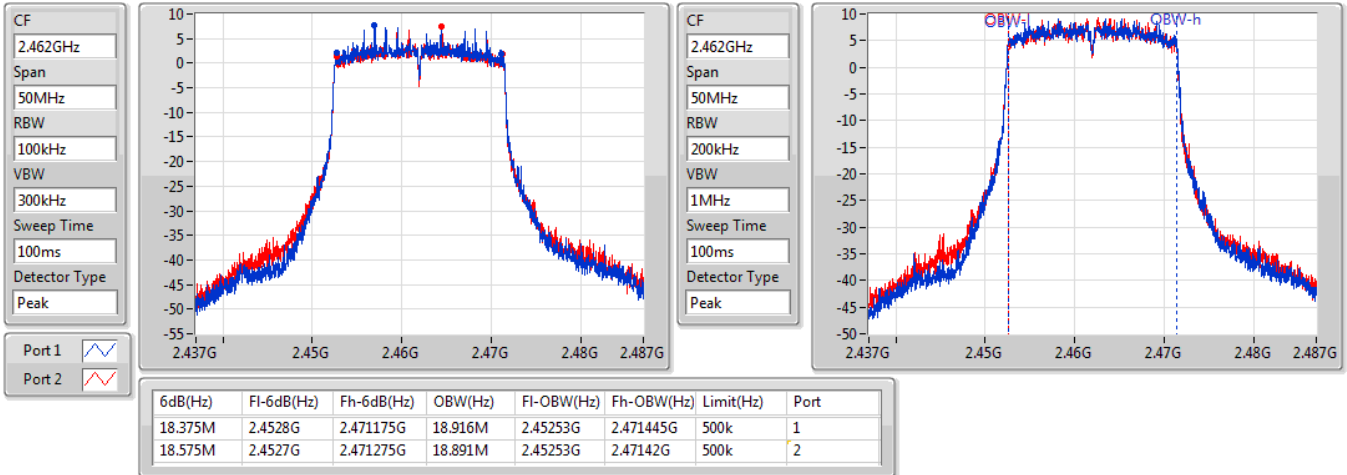

802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

12/10/2020

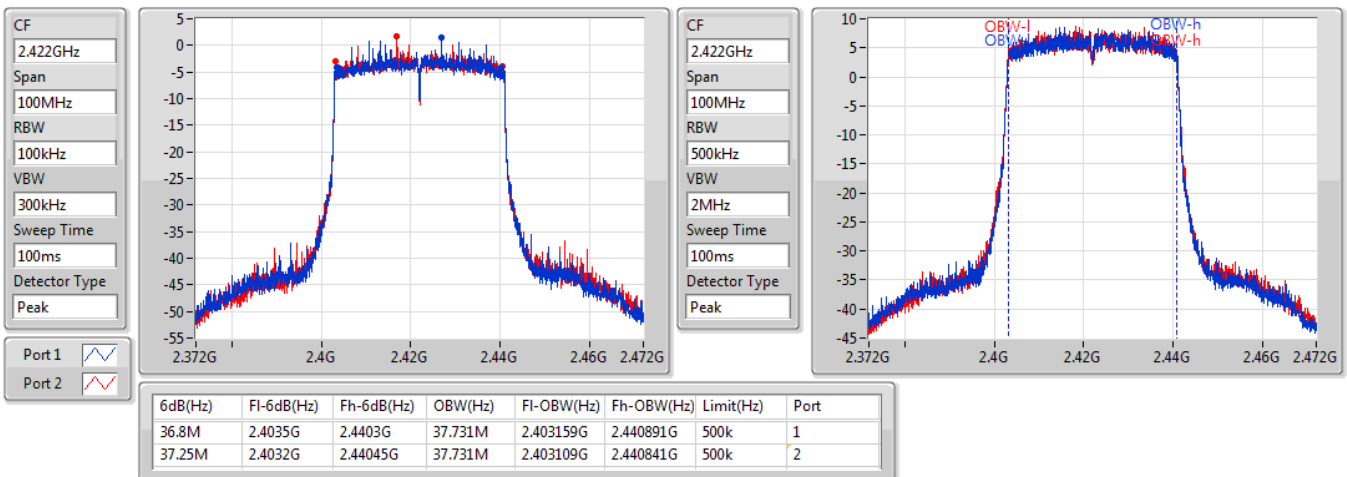


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2462MHz

12/10/2020

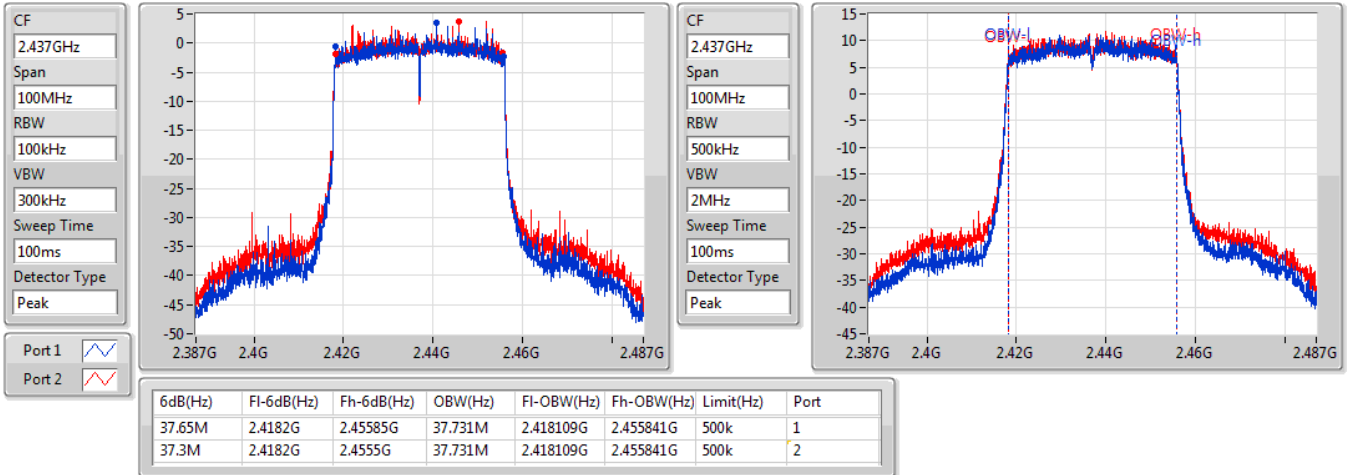

802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2422MHz

12/10/2020

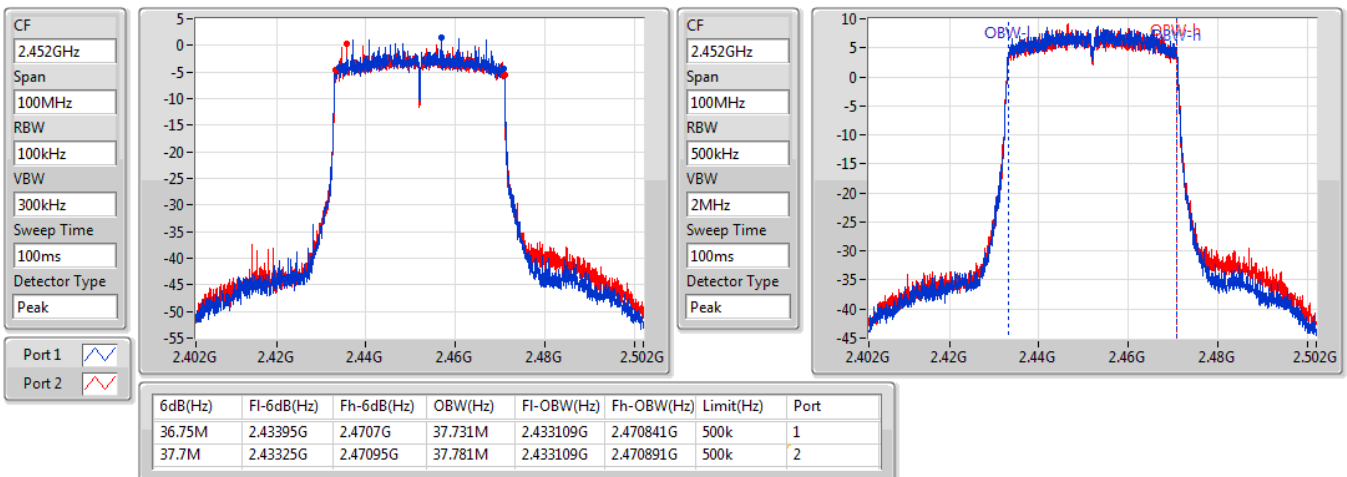


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2437MHz

12/10/2020


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2452MHz

12/10/2020





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)_2TX	17.8M	18.891M	18M9D1D	15.05M	18.866M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.75M	37.831M	37M8D1D	28.8M	37.681M

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;

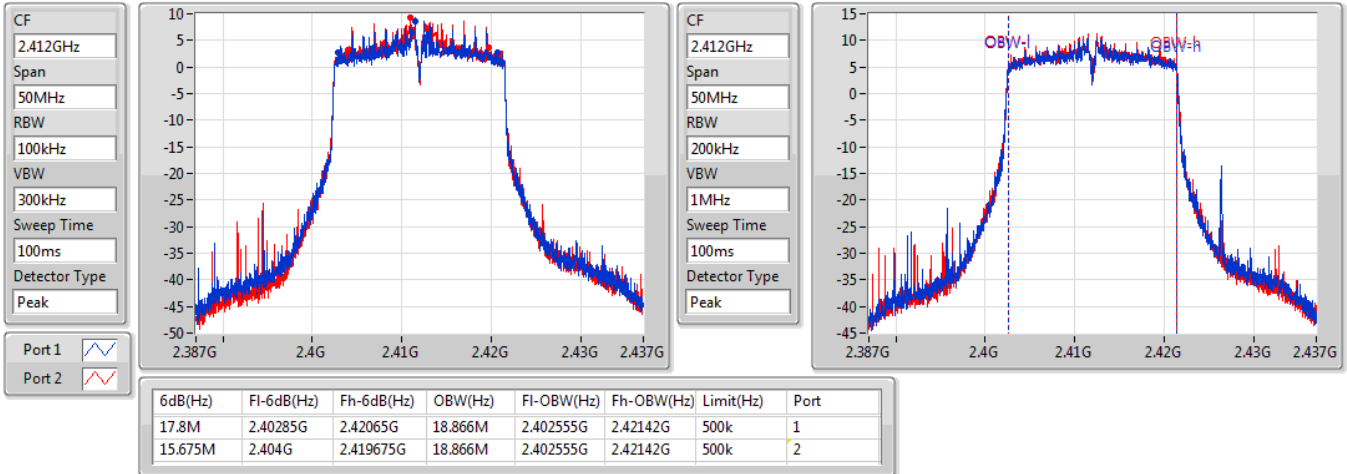
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.8M	18.866M	15.675M	18.866M
2437MHz	Pass	500k	15.05M	18.866M	16.325M	18.866M
2462MHz	Pass	500k	17.775M	18.891M	17.8M	18.866M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	30M	37.731M	35M	37.731M
2437MHz	Pass	500k	32.55M	37.831M	33.75M	37.731M
2452MHz	Pass	500k	37.75M	37.731M	28.8M	37.681M

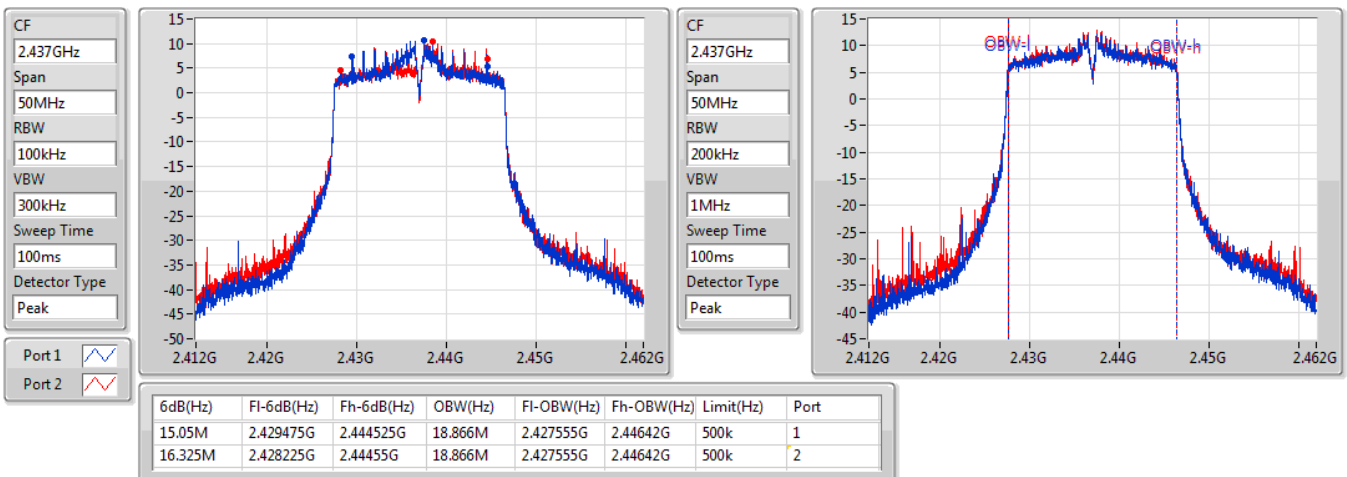
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2412MHz

12/10/2020

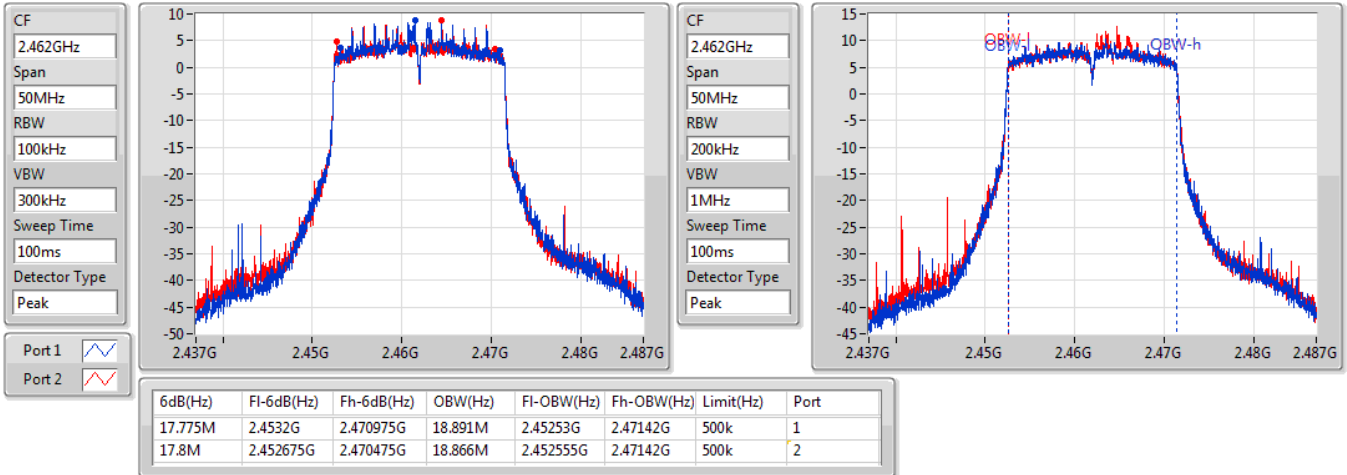

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

12/10/2020

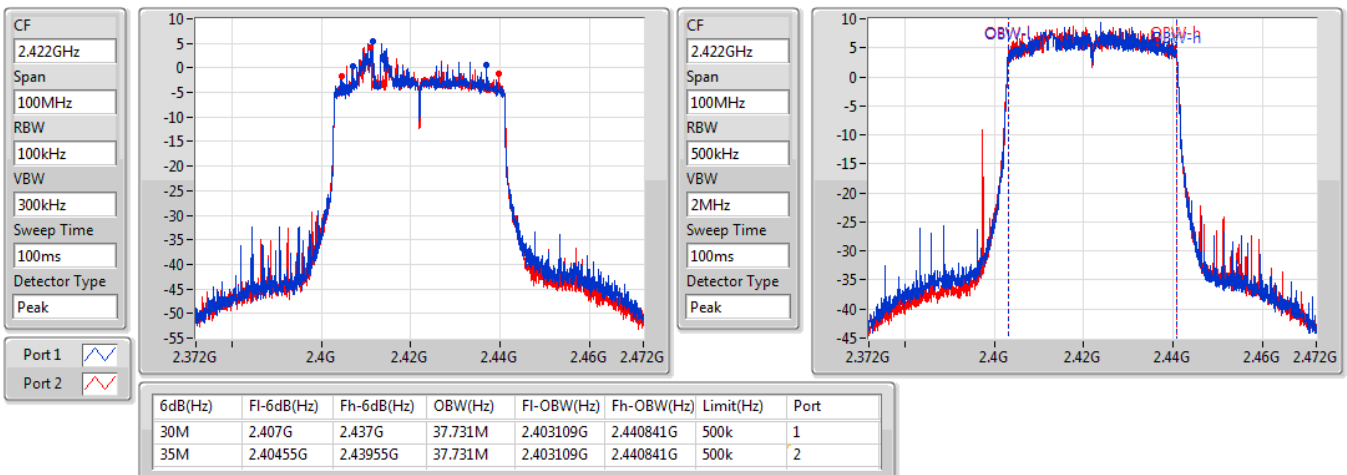


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2462MHz

12/10/2020

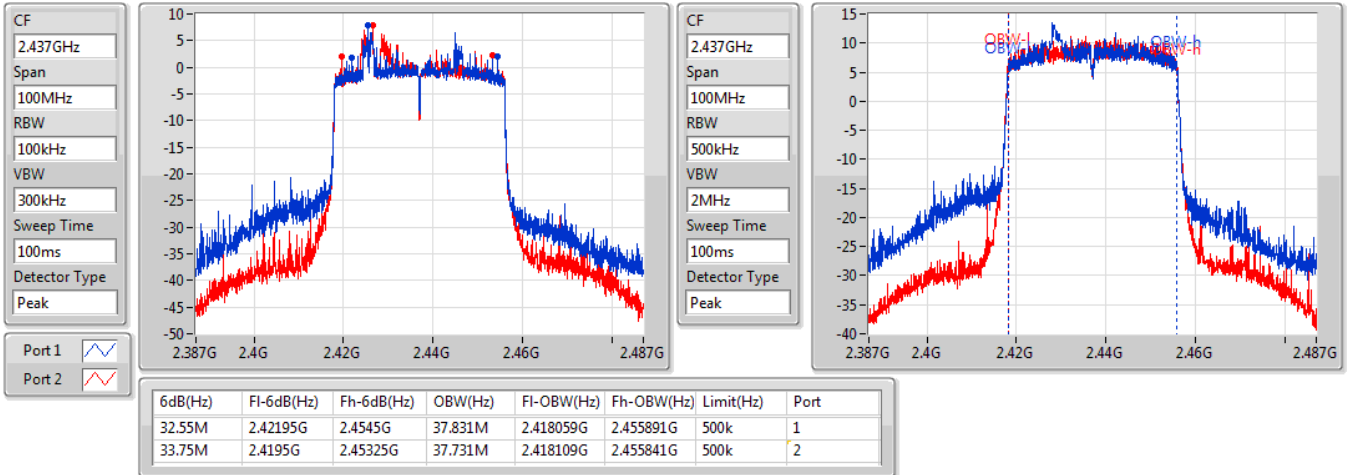

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2422MHz

12/10/2020

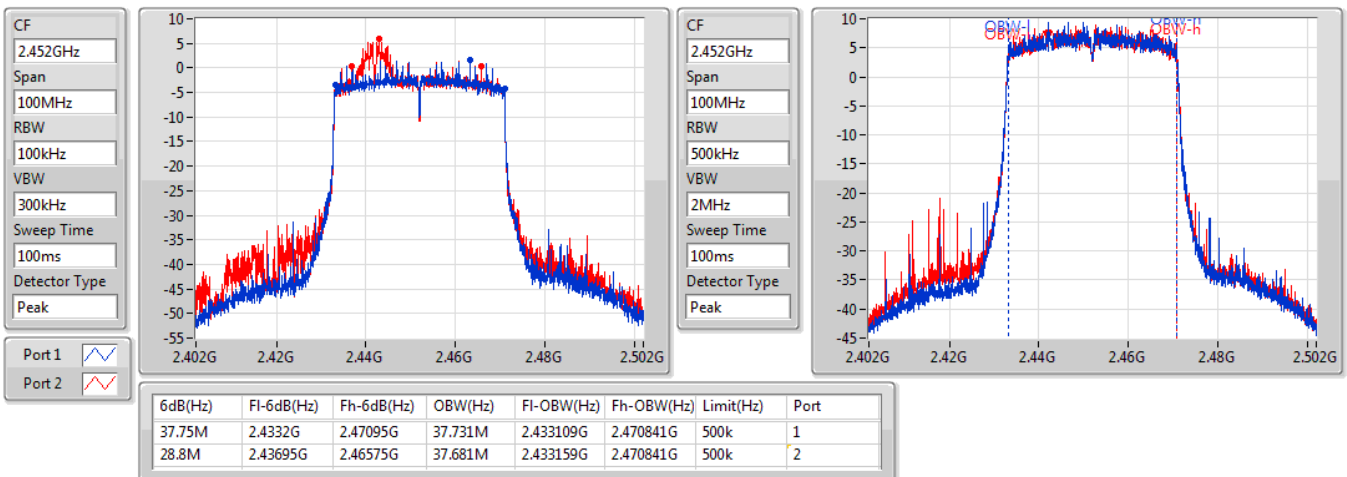


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

12/10/2020


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2452MHz

12/10/2020





Average Power Result

Appendix C

For non-beamforming mode:

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.77	0.47534
802.11g_Nss1,(6Mbps)_2TX	26.45	0.44157
802.11ax HEW20_Nss1,(MCS0)_2TX	26.48	0.44463
802.11ax HEW40_Nss1,(MCS0)_2TX	21.29	0.13459

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.89	23.34	24.14	26.77	30.00
2437MHz	Pass	2.89	22.97	23.30	26.15	30.00
2462MHz	Pass	2.89	23.26	23.32	26.30	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.89	18.95	19.18	22.08	30.00
2417MHz	Pass	2.89	19.98	20.48	23.25	30.00
2437MHz	Pass	2.89	23.31	23.57	26.45	30.00
2457MHz	Pass	2.89	19.95	19.73	22.85	30.00
2462MHz	Pass	2.89	18.65	18.29	21.48	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.89	19.36	19.76	22.57	30.00
2417MHz	Pass	2.89	19.69	20.19	22.96	30.00
2437MHz	Pass	2.89	23.57	23.37	26.48	30.00
2457MHz	Pass	2.89	19.56	19.28	22.43	30.00
2462MHz	Pass	2.89	18.13	18.06	21.11	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.89	15.67	15.76	18.73	30.00
2437MHz	Pass	2.89	18.07	18.48	21.29	30.00
2452MHz	Pass	2.89	15.97	15.81	18.90	30.00

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



Average Power Result

Appendix C

For beamforming mode:

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.62	0.18281
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.77	0.11940

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.27	18.40	18.76	21.59	30.00
2437MHz	Pass	3.27	19.54	19.68	22.62	30.00
2462MHz	Pass	3.27	18.87	18.37	21.64	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.27	15.51	15.70	18.62	30.00
2437MHz	Pass	3.27	17.62	17.90	20.77	30.00
2452MHz	Pass	3.27	15.80	15.71	18.77	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)_2TX	-0.86
802.11g_Nss1,(6Mbps)_2TX	-1.12
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.49
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.47

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.27	-5.16	-4.32	-1.75	8.00
2437MHz	Pass	3.27	-4.66	-3.83	-2.00	8.00
2462MHz	Pass	3.27	-2.86	-4.30	-0.86	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.27	-8.57	-8.26	-6.93	8.00
2437MHz	Pass	3.27	-3.83	-2.59	-1.12	8.00
2462MHz	Pass	3.27	-8.51	-7.80	-7.25	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.27	-7.98	-7.48	-6.36	8.00
2437MHz	Pass	3.27	-4.07	-4.64	-2.49	8.00
2462MHz	Pass	3.27	-9.83	-8.52	-6.72	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.27	-14.04	-13.34	-11.84	8.00
2437MHz	Pass	3.27	-11.59	-10.41	-9.47	8.00
2452MHz	Pass	3.27	-11.88	-14.17	-11.45	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

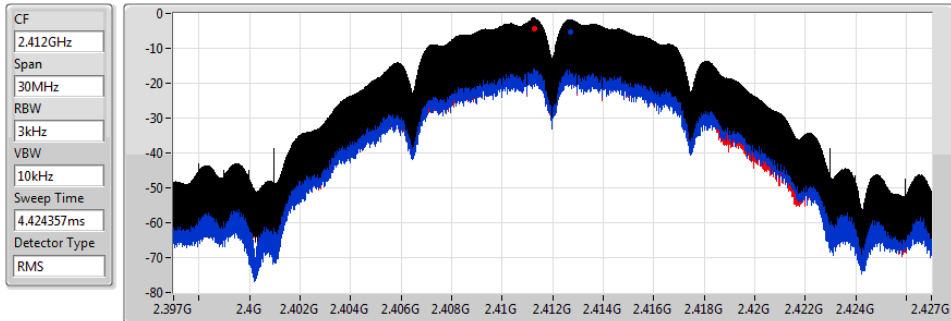
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

12/10/2020



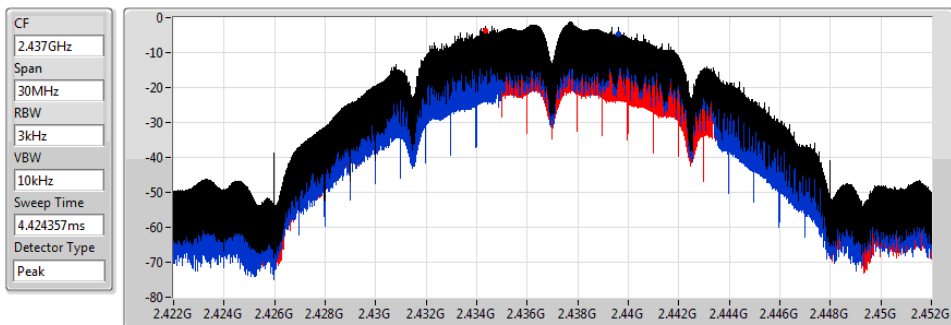
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.75	-1.75	-5.16	-4.32

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

12/10/2020



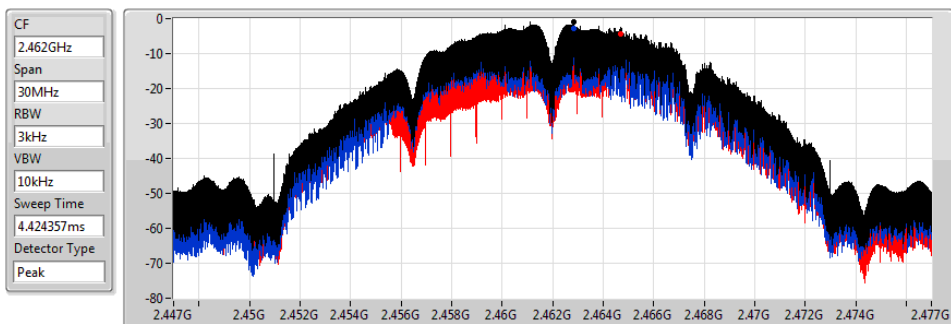
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.00	-2.00	-4.66	-3.83

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

12/10/2020



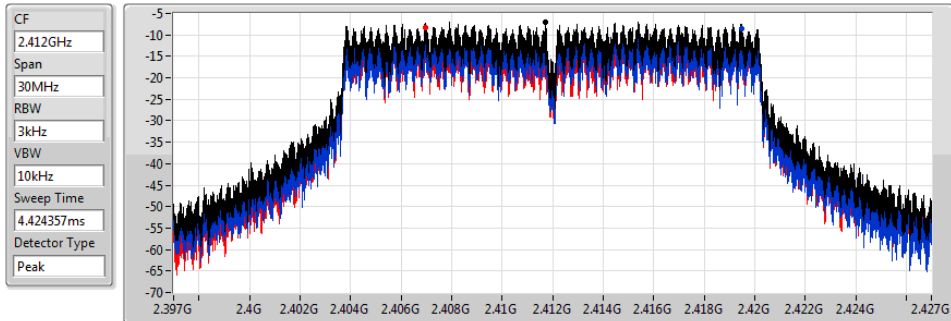
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-0.86	-0.86	-2.86	-4.30

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

12/10/2020



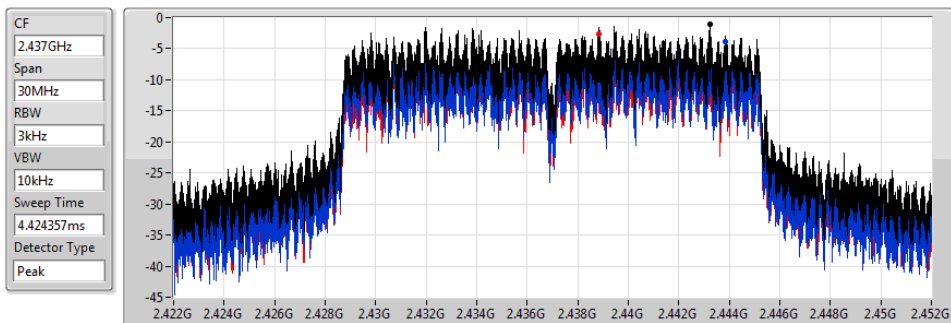
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-6.93	-6.93	-8.57	-8.26

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

12/10/2020



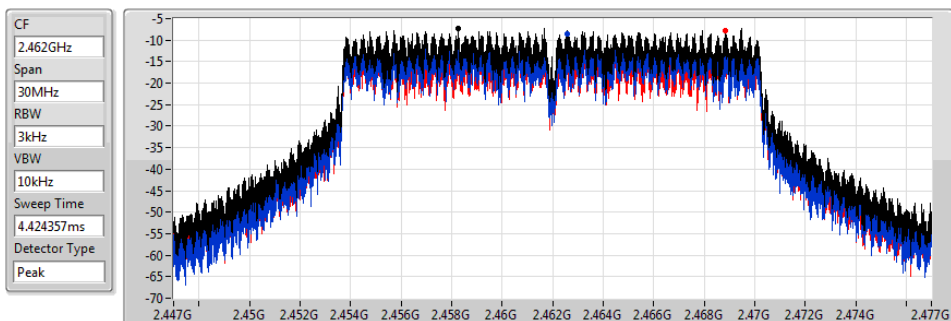
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.12	-1.12	-3.83	-2.59

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

12/10/2020



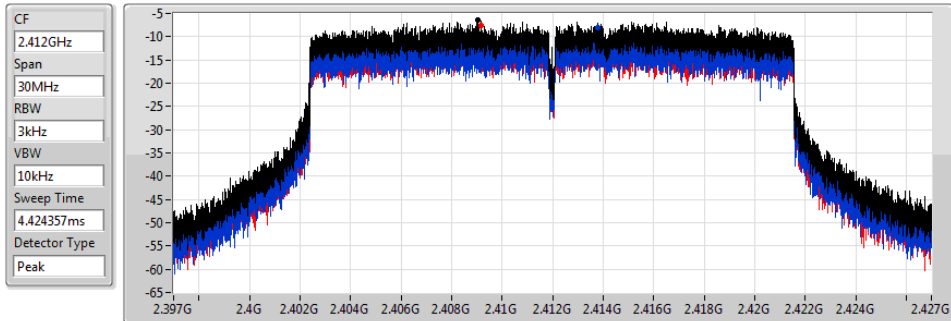
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-7.25	-7.25	-8.51	-7.80

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

12/10/2020



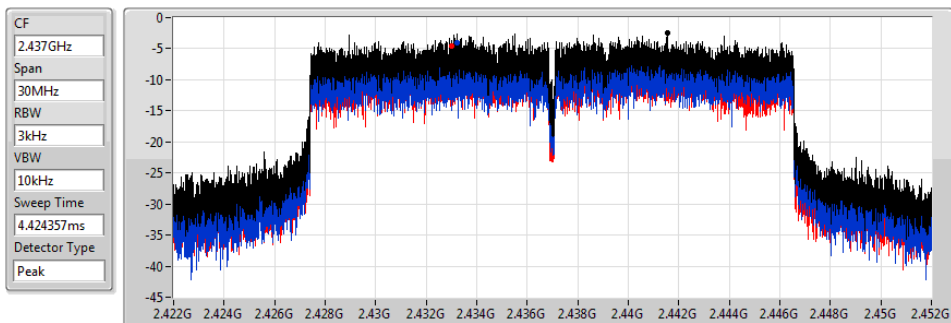
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.36	-6.36	-7.98	-7.48

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

12/10/2020



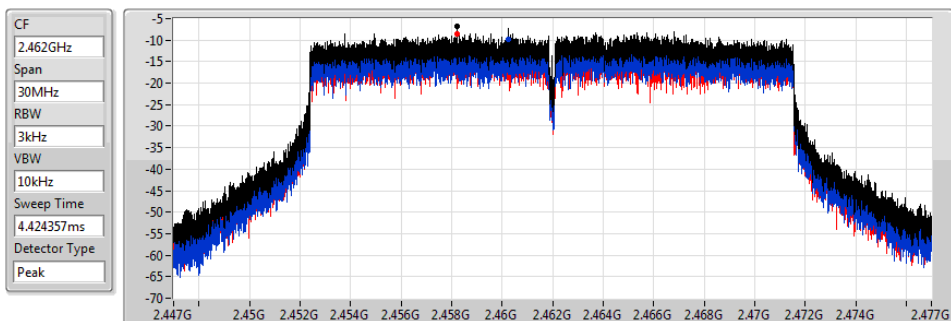
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.49	-2.49	-4.07	-4.64

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

12/10/2020



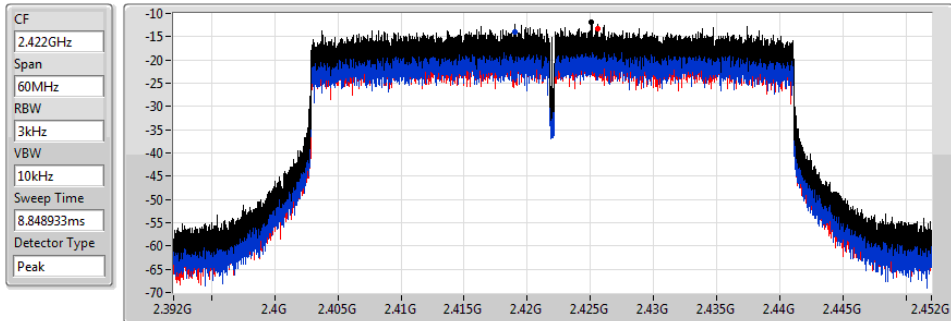
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.72	-6.72	-9.83	-8.52

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

12/10/2020



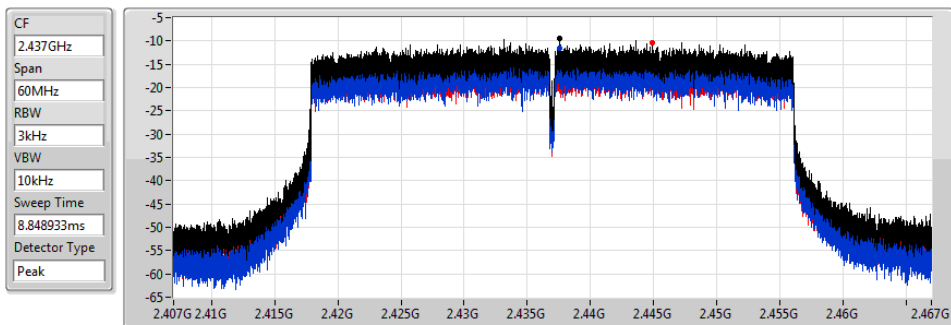
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.84	-11.84	-14.04	-13.34

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

12/10/2020



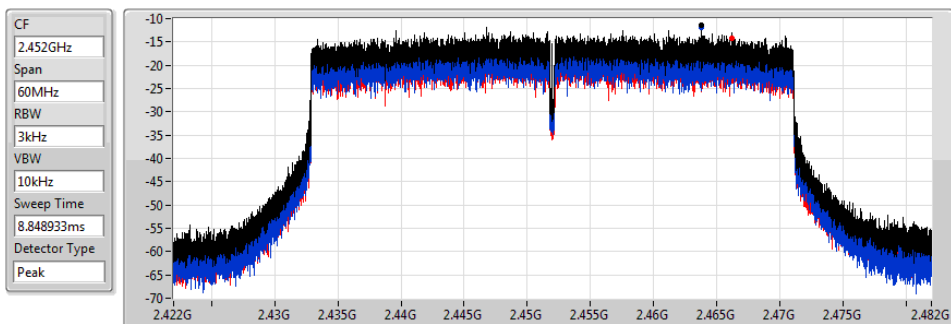
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-9.47	-9.47	-11.59	-10.41

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

12/10/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.45	-11.45	-11.88	-14.17



For beamforming mode:

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-1.81
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-5.91

RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.27	-5.46	-7.68	-4.53	8.00
2437MHz	Pass	3.27	-6.23	-5.30	-3.94	8.00
2462MHz	Pass	3.27	-2.23	-5.65	-1.81	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.27	-12.80	-10.83	-10.50	8.00
2437MHz	Pass	3.27	-10.88	-6.20	-5.91	8.00
2452MHz	Pass	3.27	-8.55	-8.59	-7.77	8.00

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

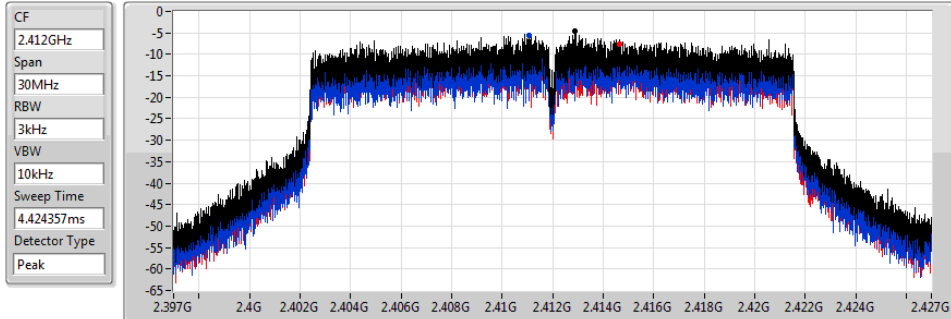
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

12/10/2020



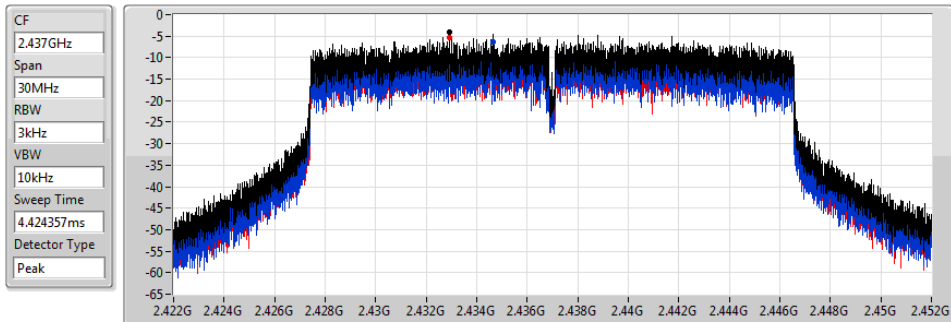
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.53	-4.53	-5.46	-7.68

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

12/10/2020



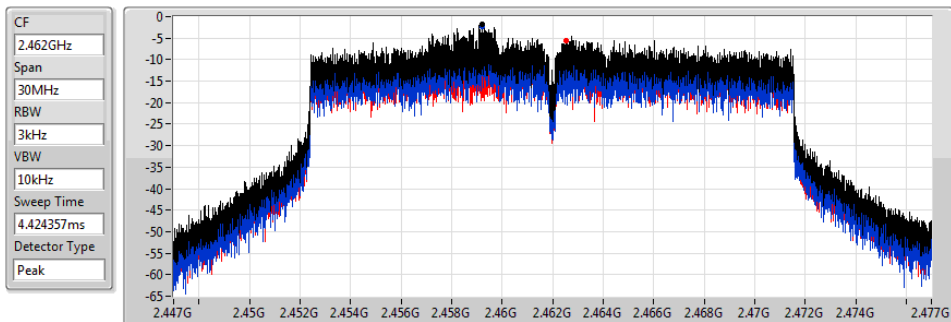
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.94	-3.94	-6.23	-5.30

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

12/10/2020



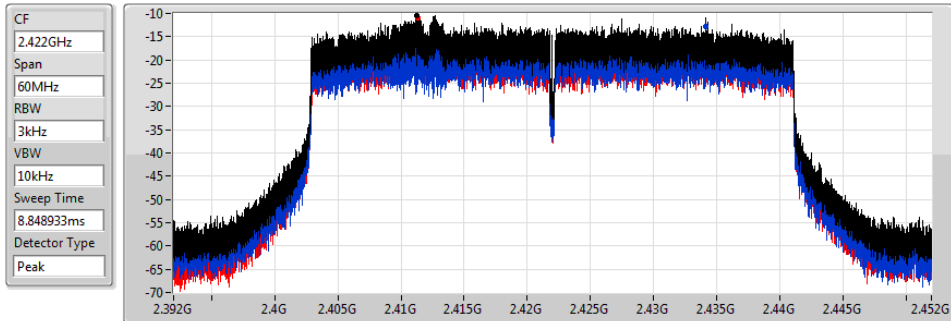
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.81	-1.81	-2.23	-5.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

12/10/2020



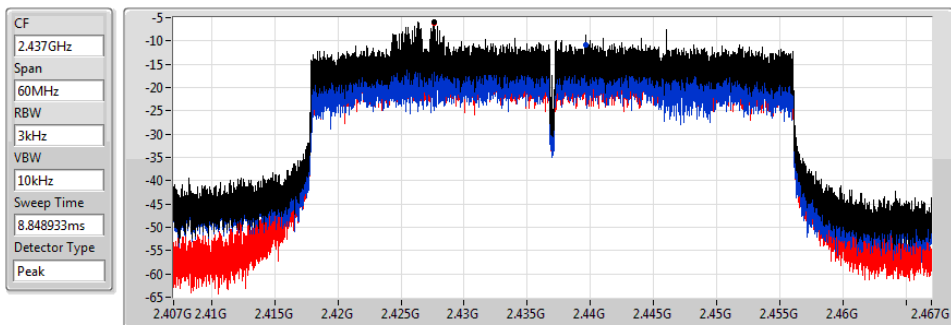
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.50	-10.50	-12.80	-10.83

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

12/10/2020



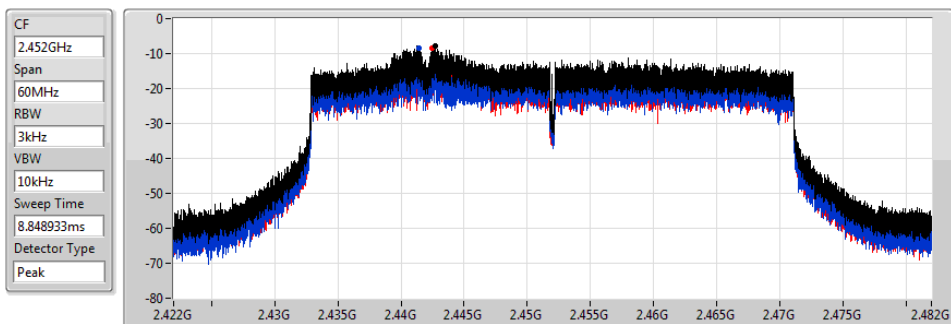
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.91	-5.91	-10.88	-6.20

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

12/10/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.77	-7.77	-8.55	-8.59



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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41344G	14.78	-15.22	223.97M	-36.24	2.39948G	-25.54	2.4G	-31.17	2.50628G	-47.07	7.23795G	-33.54	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	13.60	-16.40	223.97M	-33.67	2.4G	-28.03	2.4G	-28.72	2.4872G	-46.83	16.87194G	-41.39	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.442G	13.21	-16.79	223.97M	-35.40	2.4G	-25.46	2.4G	-27.20	2.50756G	-45.42	24.14589G	-41.20	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44071G	3.89	-26.11	223.79M	-32.93	2.39896G	-37.70	2.4G	-39.51	2.48358G	-40.86	24.79246G	-41.86	1

Result

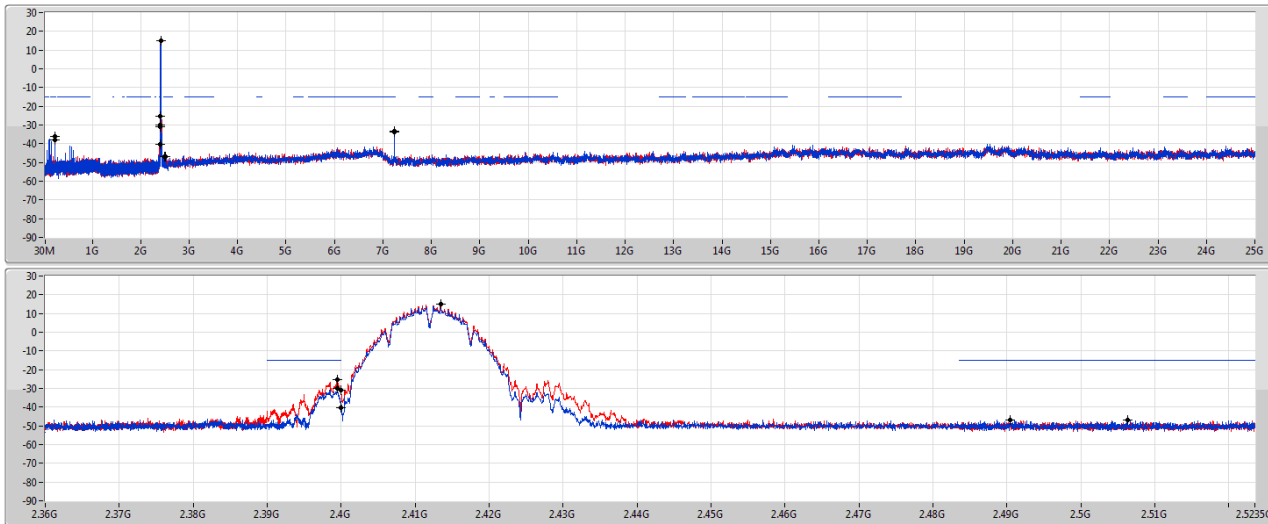
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41344G	14.78	-15.22	223.97M	-37.80	2.39952G	-29.90	2.4G	-40.28	2.49044G	-46.78	7.23514G	-33.26	1
2412MHz	Pass	2.41344G	14.78	-15.22	223.97M	-36.24	2.39948G	-25.54	2.4G	-31.17	2.50628G	-47.07	7.23795G	-33.54	2
2437MHz	Pass	2.41344G	14.78	-15.22	223.97M	-37.04	2.3987G	-47.96	2.4835G	-48.63	2.51676G	-46.75	24.57014G	-41.58	1
2437MHz	Pass	2.41344G	14.78	-15.22	223.97M	-37.08	2.39406G	-46.80	2.4G	-49.80	2.49144G	-46.72	6.83899G	-41.04	2
2462MHz	Pass	2.41344G	14.78	-15.22	223.97M	-36.31	2.39456G	-47.66	2.4835G	-47.82	2.48852G	-45.77	16.39993G	-41.34	1
2462MHz	Pass	2.41344G	14.78	-15.22	223.97M	-35.49	2.3905G	-46.82	2.4835G	-42.10	2.4835G	-42.58	17.02365G	-40.90	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	13.60	-16.40	223.97M	-35.60	2.3999G	-28.88	2.4G	-28.60	2.49344G	-45.91	16.44488G	-41.45	1
2412MHz	Pass	2.442G	13.60	-16.40	223.97M	-33.67	2.4G	-28.03	2.4G	-28.72	2.4872G	-46.83	16.87194G	-41.39	2
2437MHz	Pass	2.442G	13.60	-16.40	223.97M	-37.56	2.3995G	-35.98	2.4G	-39.78	2.48354G	-44.93	15.16091G	-42.01	1
2437MHz	Pass	2.442G	13.60	-16.40	95.82M	-37.53	2.39952G	-31.65	2.4G	-33.70	2.48542G	-41.45	17.48161G	-41.30	2
2462MHz	Pass	2.442G	13.60	-16.40	223.97M	-35.54	2.39992G	-47.23	2.4835G	-44.83	2.48384G	-42.88	16.43364G	-41.63	1
2462MHz	Pass	2.442G	13.60	-16.40	223.97M	-34.10	2.3962G	-47.00	2.4835G	-42.71	2.48356G	-41.35	24.46618G	-41.49	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	13.21	-16.79	223.97M	-34.21	2.39976G	-26.43	2.4G	-25.68	2.50436G	-46.65	16.78484G	-40.06	1
2412MHz	Pass	2.442G	13.21	-16.79	223.97M	-35.40	2.4G	-25.46	2.4G	-27.20	2.50756G	-45.42	24.14589G	-41.20	2
2437MHz	Pass	2.442G	13.21	-16.79	223.97M	-33.98	2.39962G	-33.42	2.4G	-34.47	2.48556G	-43.25	15.24239G	-41.09	1
2437MHz	Pass	2.442G	13.21	-16.79	223.97M	-35.16	2.3985G	-31.19	2.4G	-33.70	2.4836G	-41.07	6.88113G	-40.93	2
2462MHz	Pass	2.442G	13.21	-16.79	223.97M	-34.31	2.39378G	-47.77	2.4835G	-39.07	2.48352G	-40.23	16.81293G	-41.43	1
2462MHz	Pass	2.442G	13.21	-16.79	223.97M	-33.97	2.39578G	-47.14	2.4835G	-41.97	2.48366G	-39.45	24.50833G	-41.29	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44071G	3.89	-26.11	223.79M	-33.69	2.39984G	-33.98	2.4G	-35.48	2.48922G	-47.25	16.62277G	-41.78	1
2422MHz	Pass	2.44071G	3.89	-26.11	223.79M	-34.54	2.39944G	-33.12	2.4G	-34.15	2.50766G	-46.95	16.86396G	-40.72	2
2437MHz	Pass	2.44071G	3.89	-26.11	223.79M	-32.93	2.39896G	-37.70	2.4G	-39.51	2.48358G	-40.86	24.79246G	-41.86	1
2437MHz	Pass	2.44071G	3.89	-26.11	223.79M	-33.17	2.3992G	-34.61	2.4G	-34.81	2.4835G	-37.21	6.99471G	-41.63	2
2452MHz	Pass	2.44071G	3.89	-26.11	223.79M	-33.86	2.39068G	-47.49	2.4835G	-43.18	2.48822G	-39.02	21.49149G	-41.72	1
2452MHz	Pass	2.44071G	3.89	-26.11	223.79M	-34.74	2.3992G	-47.41	2.4835G	-41.57	2.4895G	-38.08	16.81068G	-41.71	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE NdB

12/10/2020



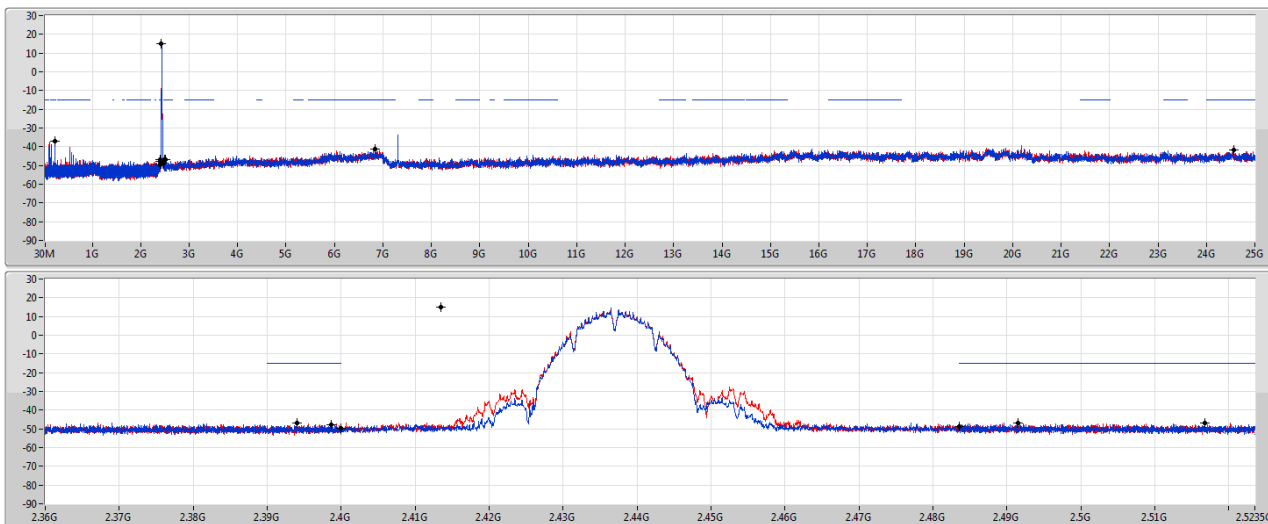
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41344G	14.78	-15.22	223.97M	-37.80	2.39952G	-29.90	2.4G	-40.28	2.49044G	-46.78	7.23514G	-33.26	1
2.41344G	14.78	-15.22	223.97M	-36.24	2.39948G	-25.54	2.4G	-31.17	2.50628G	-47.07	7.23795G	-33.54	2

802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSE NdB

12/10/2020



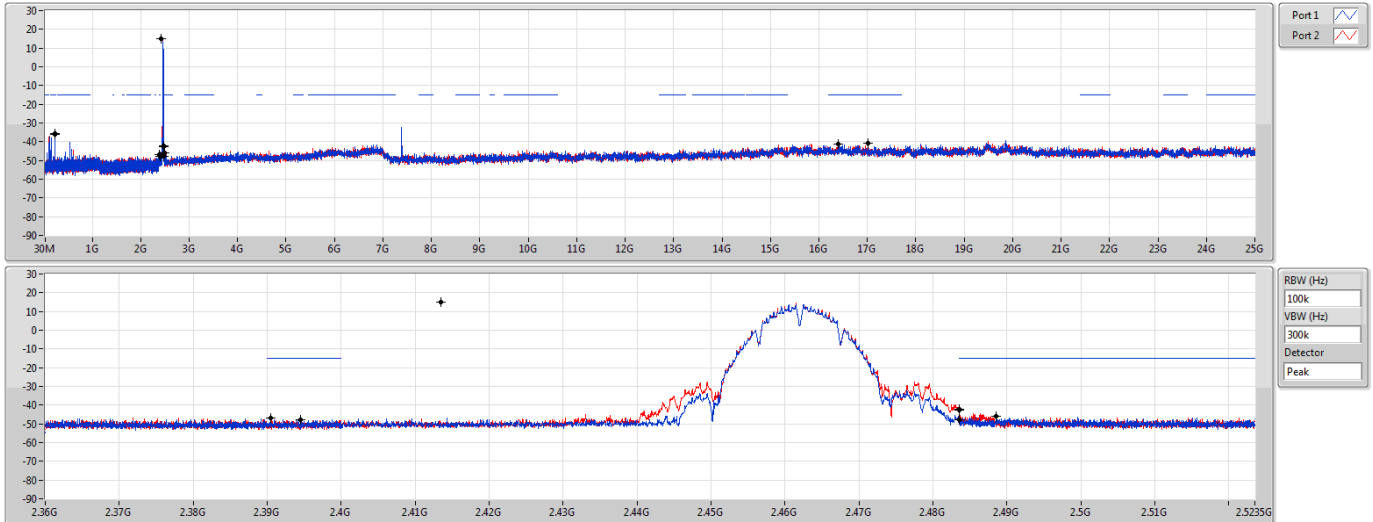
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41344G	14.78	-15.22	223.97M	-37.04	2.3987G	-47.96	2.4835G	-48.63	2.51676G	-46.75	24.57014G	-41.58	1
2.41344G	14.78	-15.22	223.97M	-37.08	2.39406G	-46.80	2.4G	-49.80	2.49144G	-46.72	6.83899G	-41.04	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSE NdB

12/10/2020

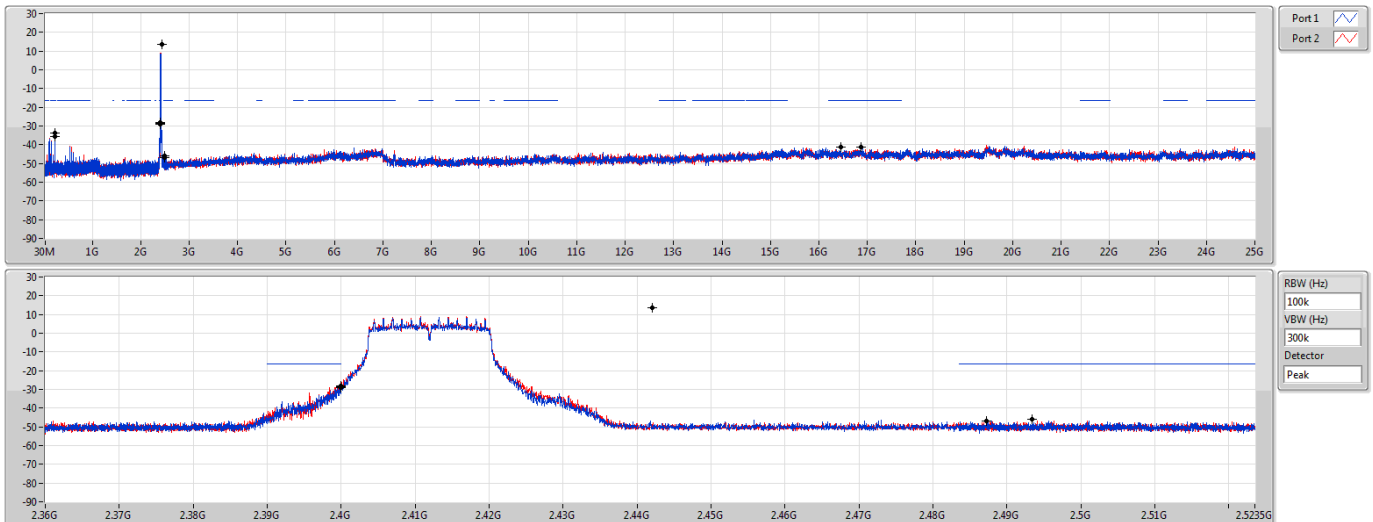


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSE NdB

12/10/2020

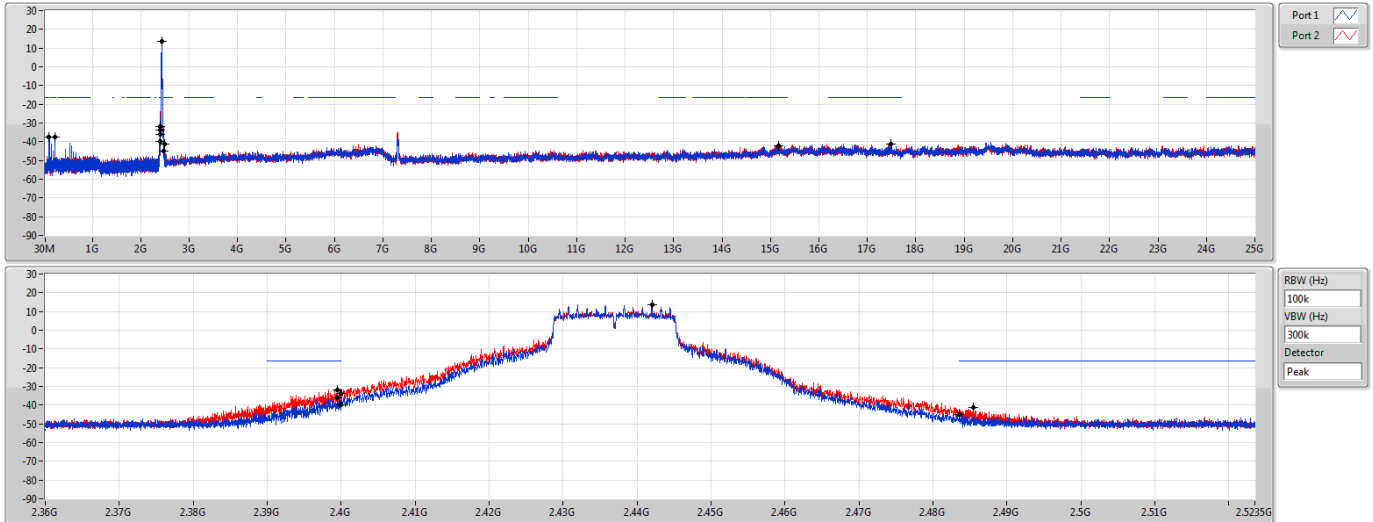


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE NdB

12/10/2020

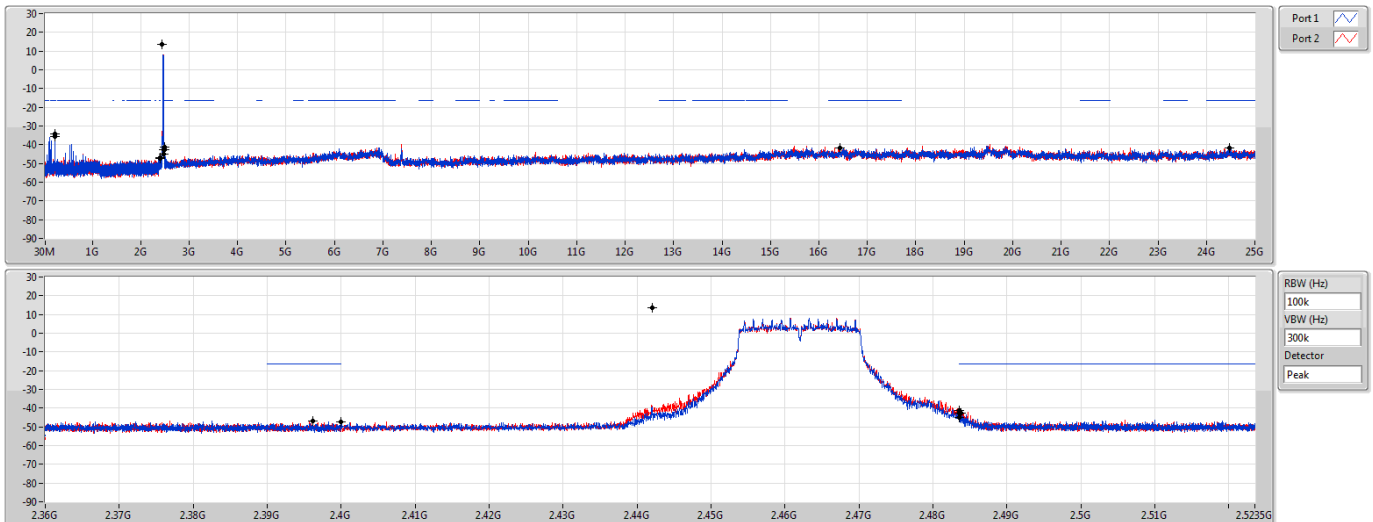


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE NdB

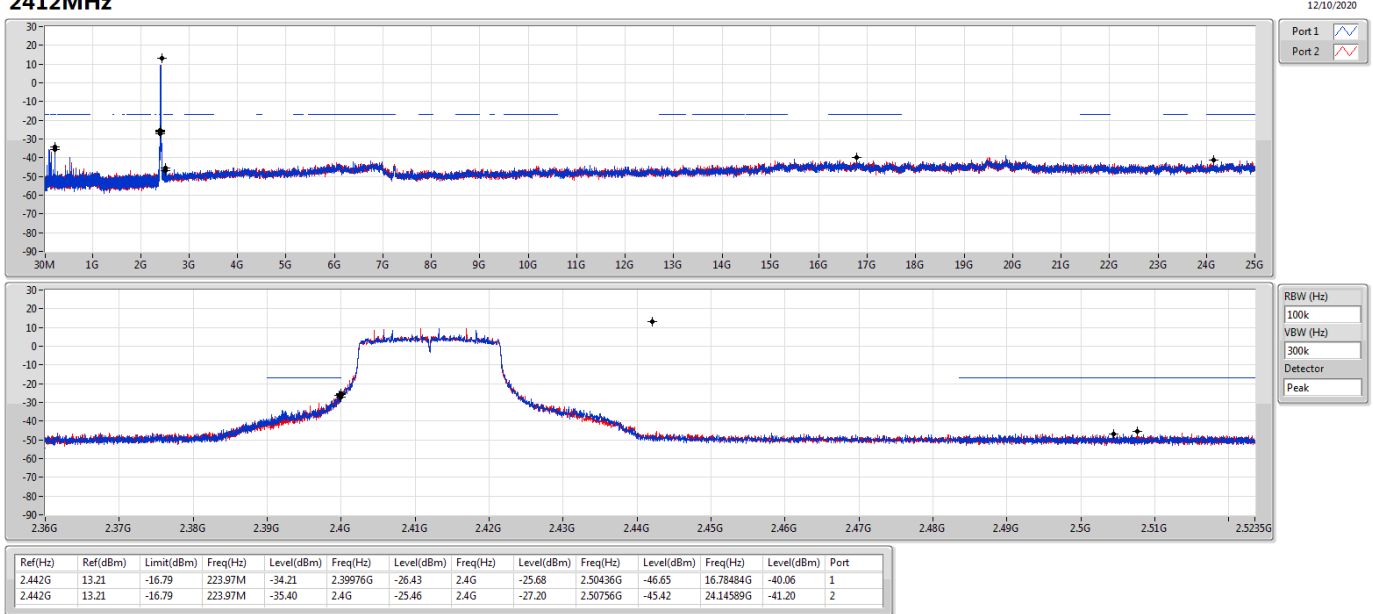
12/10/2020



802.11ax HEW20_Nss1,(MCS0)_2TX

2412MHz

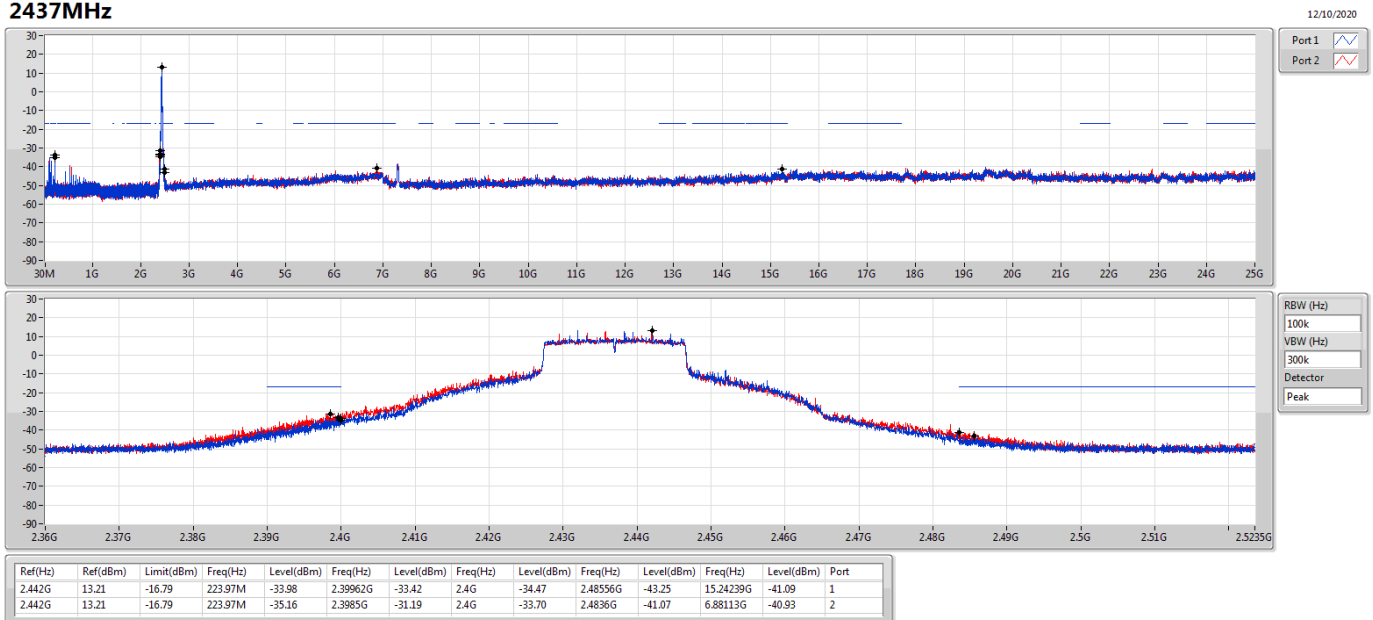
CSE NdB



802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz

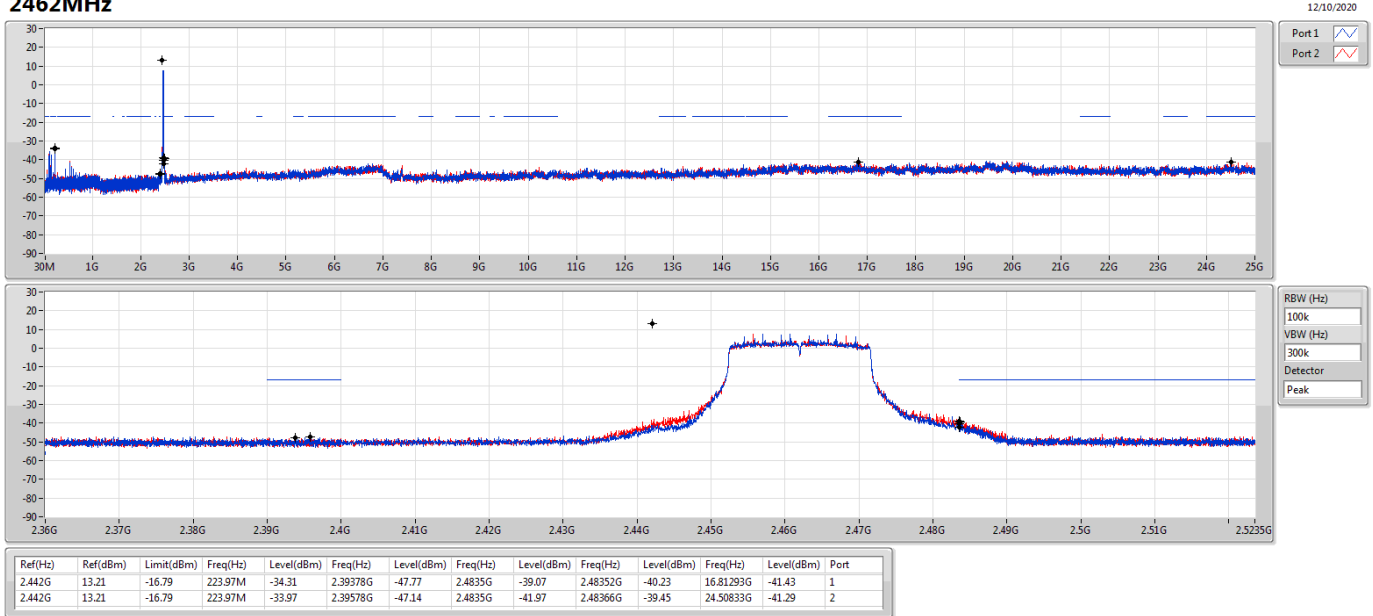
CSE NdB



802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

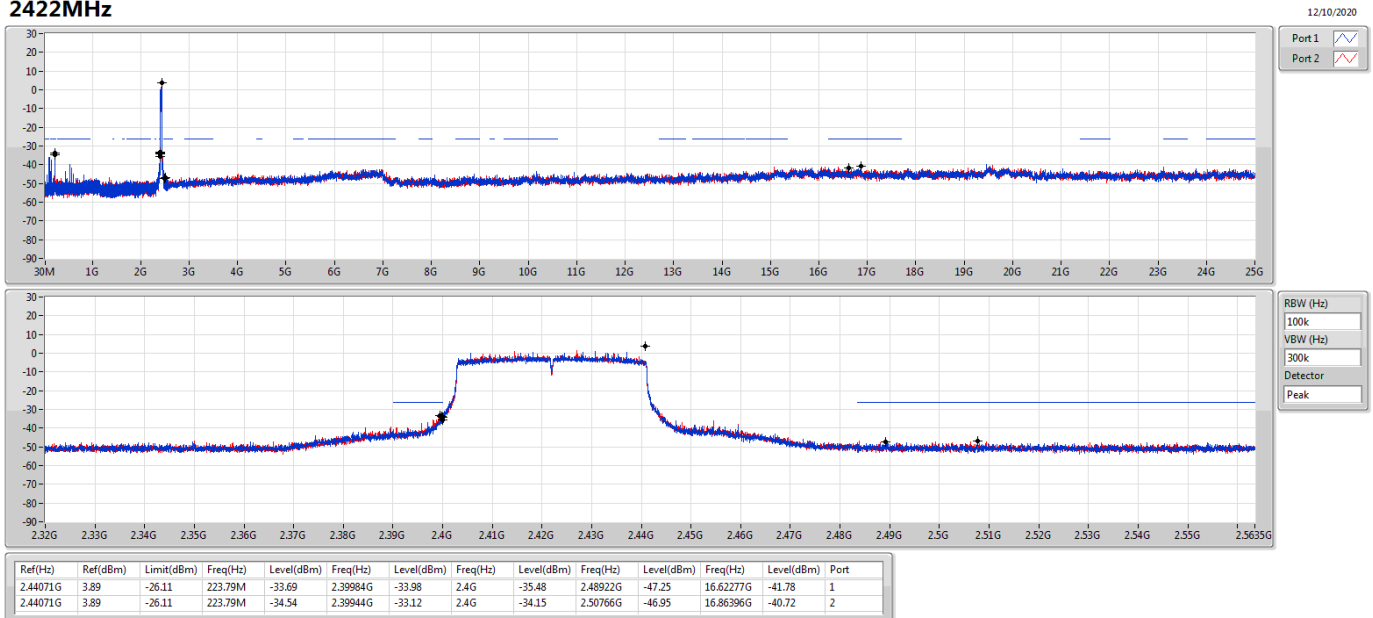
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

CSE NdB

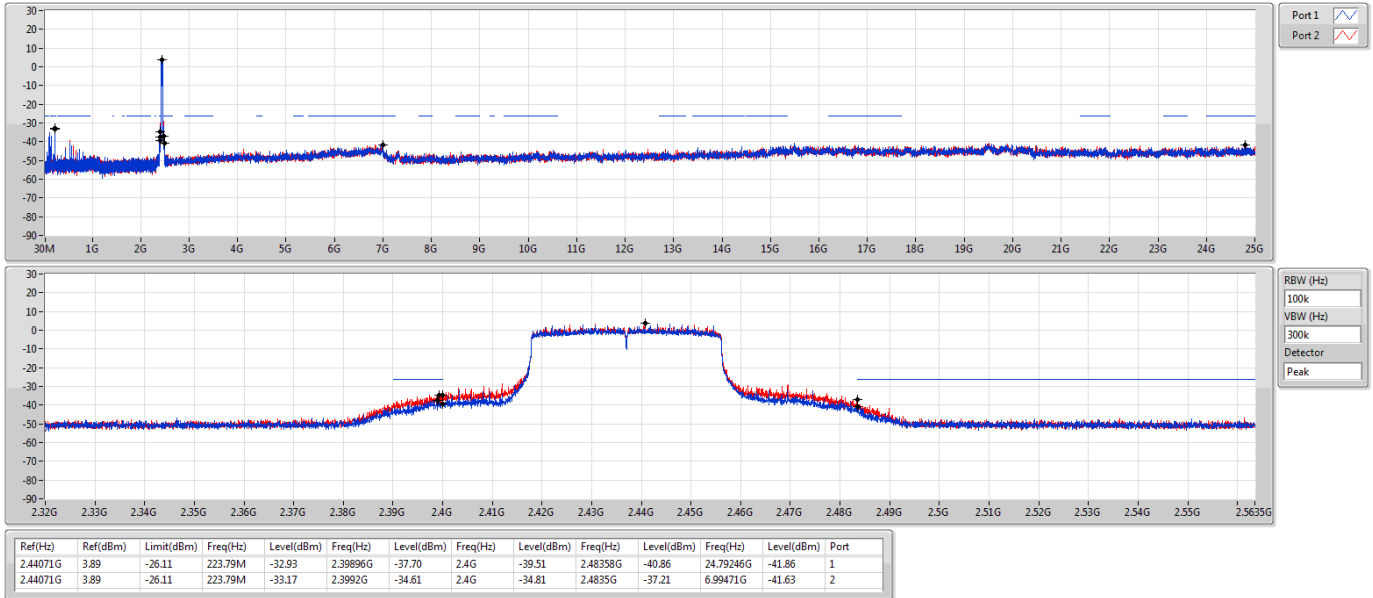


802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

CSE NdB

12/10/2020

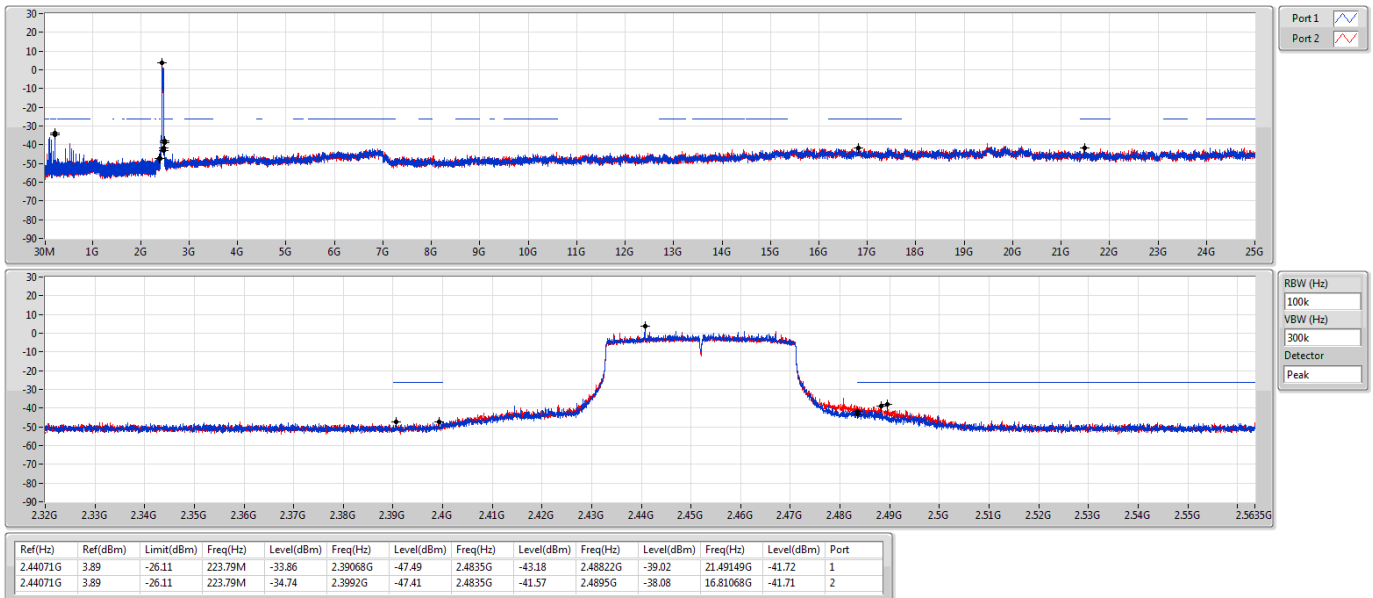


802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

CSE NdB

12/10/2020





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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43799G	10.89	-19.11	223.97M	-34.06	2.39998G	-24.07	2.4G	-29.32	2.5068G	-46.48	6.88394G	-41.14	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42497G	8.62	-21.38	223.79M	-33.76	2.39952G	-24.34	2.4G	-30.76	2.4891G	-31.52	17.06028G	-40.69	1

Result

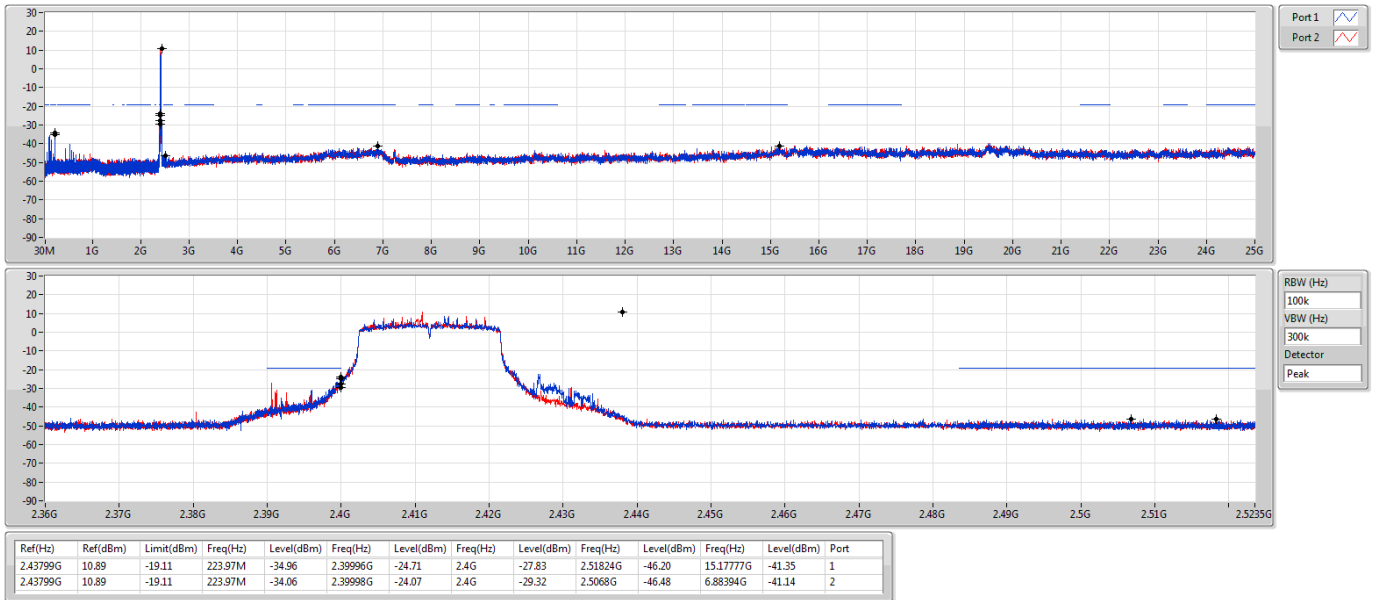
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	10.89	-19.11	223.97M	-34.96	2.39996G	-24.71	2.4G	-27.83	2.51824G	-46.20	15.17777G	-41.35	1
2412MHz	Pass	2.43799G	10.89	-19.11	223.97M	-34.06	2.39998G	-24.07	2.4G	-29.32	2.5068G	-46.48	6.88394G	-41.14	2
2437MHz	Pass	2.43799G	10.89	-19.11	223.97M	-35.70	2.39358G	-45.25	2.4835G	-49.69	2.49916G	-41.79	16.41398G	-41.31	1
2437MHz	Pass	2.43799G	10.89	-19.11	223.97M	-32.72	2.39404G	-46.32	2.4835G	-48.66	2.51536G	-46.61	24.75276G	-40.67	2
2462MHz	Pass	2.43799G	10.89	-19.11	223.97M	-34.22	2.39804G	-47.53	2.4835G	-40.02	2.48394G	-37.47	23.51093G	-41.23	1
2462MHz	Pass	2.43799G	10.89	-19.11	223.97M	-34.80	2.39068G	-47.41	2.4835G	-39.00	2.4837G	-34.37	15.14125G	-41.57	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42497G	8.62	-21.38	223.79M	-35.37	2.39044G	-30.15	2.4G	-34.02	2.56154G	-47.09	16.44048G	-41.20	1
2422MHz	Pass	2.42497G	8.62	-21.38	223.79M	-36.66	2.39984G	-33.67	2.4G	-35.15	2.50358G	-46.78	16.37877G	-41.31	2
2437MHz	Pass	2.42497G	8.62	-21.38	223.79M	-33.76	2.39952G	-24.34	2.4G	-30.76	2.4891G	-31.52	17.06028G	-40.69	1
2437MHz	Pass	2.42497G	8.62	-21.38	223.79M	-36.84	2.3996G	-33.02	2.4G	-38.32	2.49546G	-40.96	16.52742G	-41.15	2
2452MHz	Pass	2.42497G	8.62	-21.38	223.79M	-35.16	2.39048G	-47.46	2.4835G	-42.44	2.48798G	-37.30	24.5064G	-41.01	1
2452MHz	Pass	2.42497G	8.62	-21.38	223.79M	-36.14	2.39964G	-47.26	2.4835G	-42.84	2.48602G	-34.46	15.11392G	-40.34	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2412MHz

12/10/2020

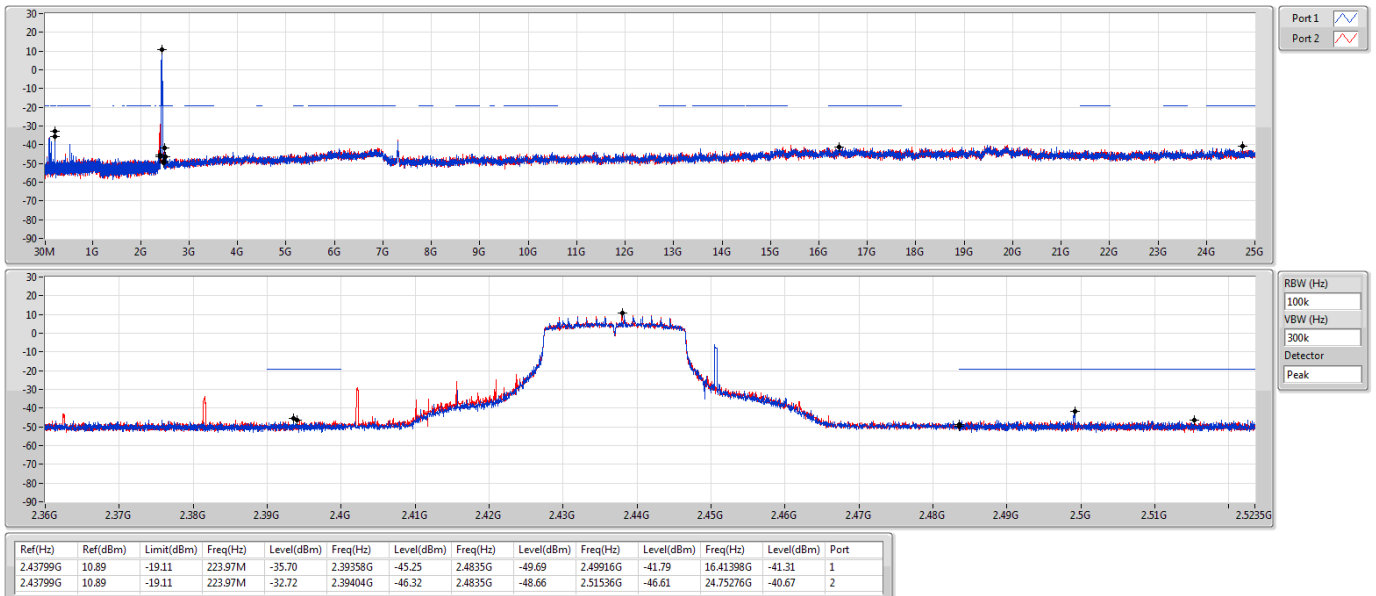


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

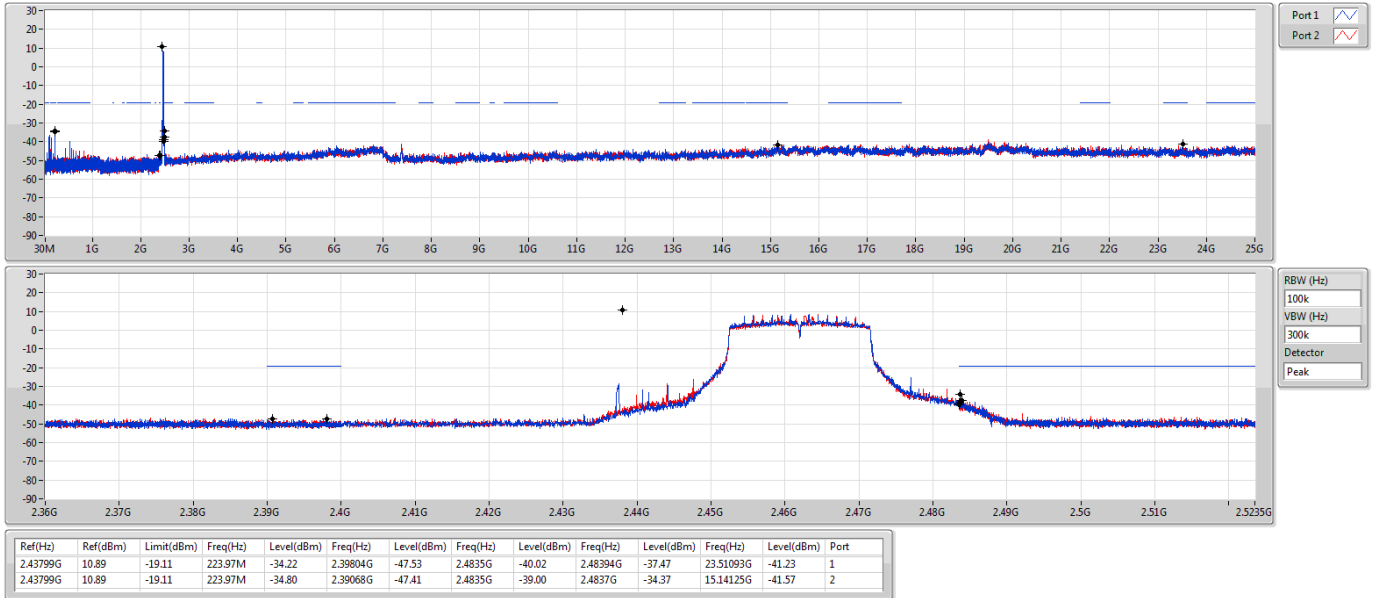
12/10/2020



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz

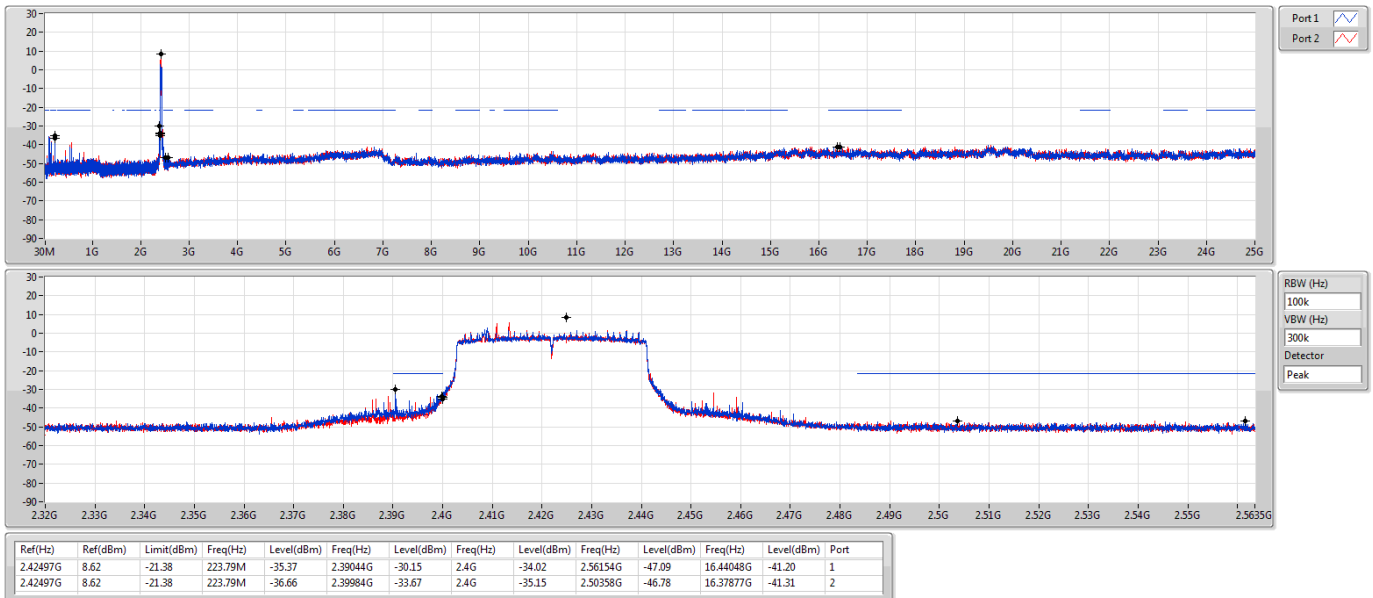
CSE NdB



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz

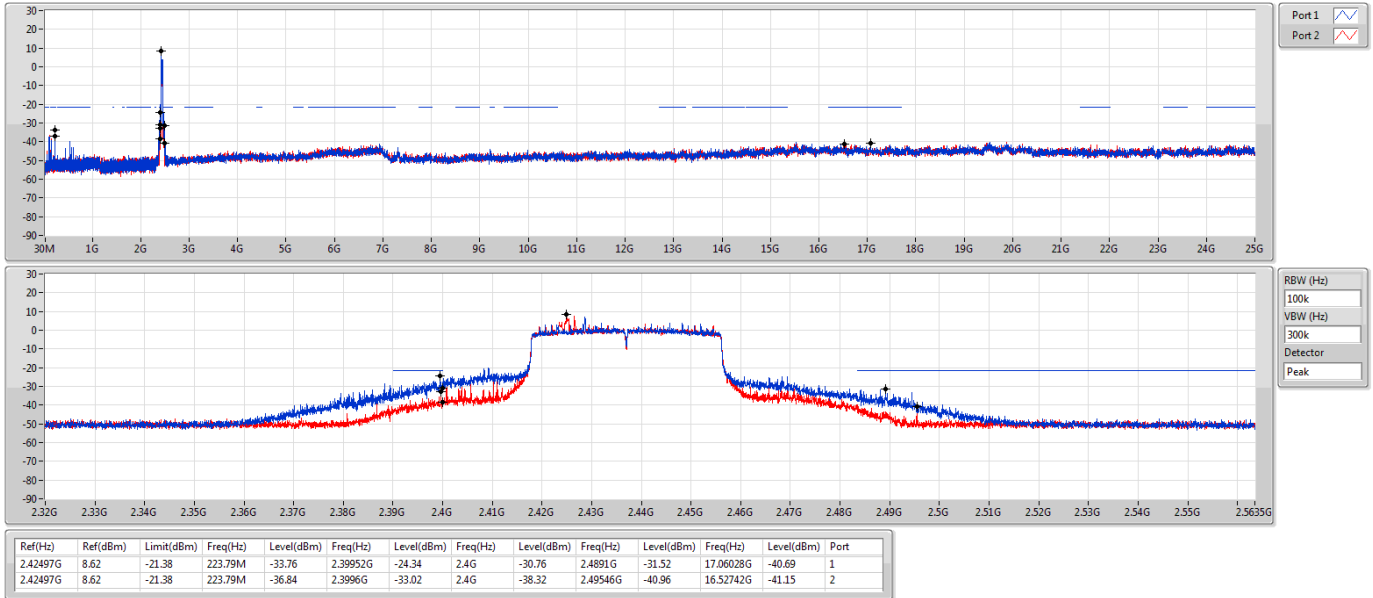
CSE NdB



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

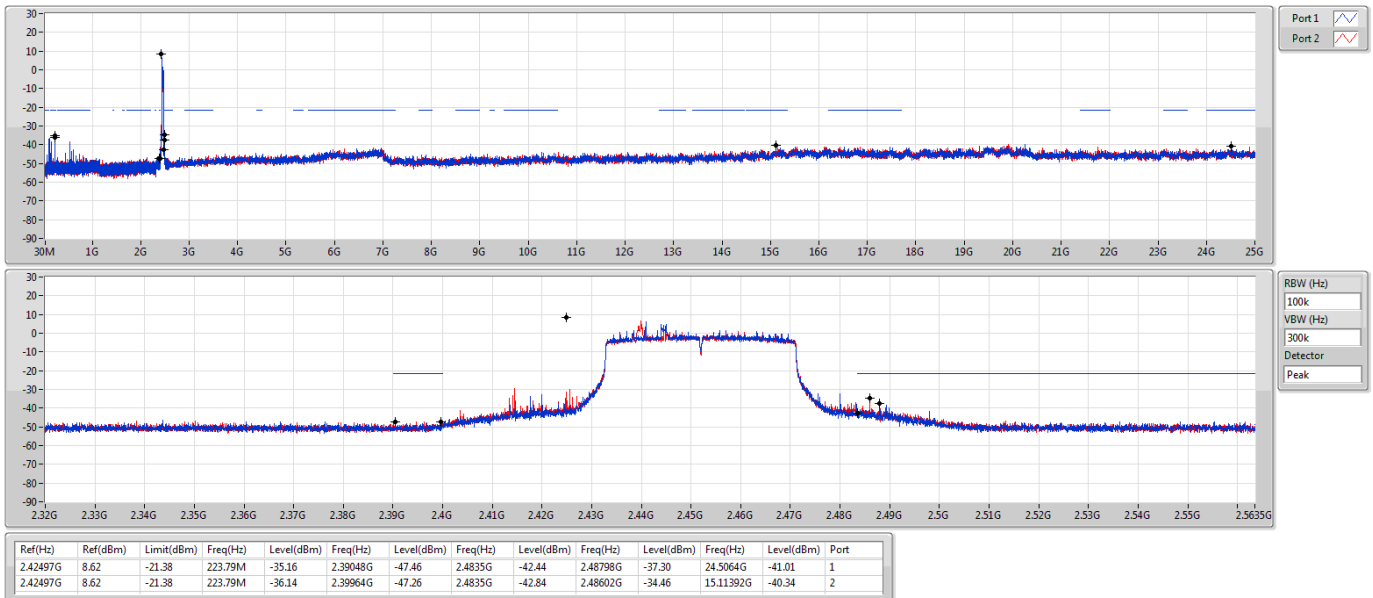
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





RSE below 1GHz Result

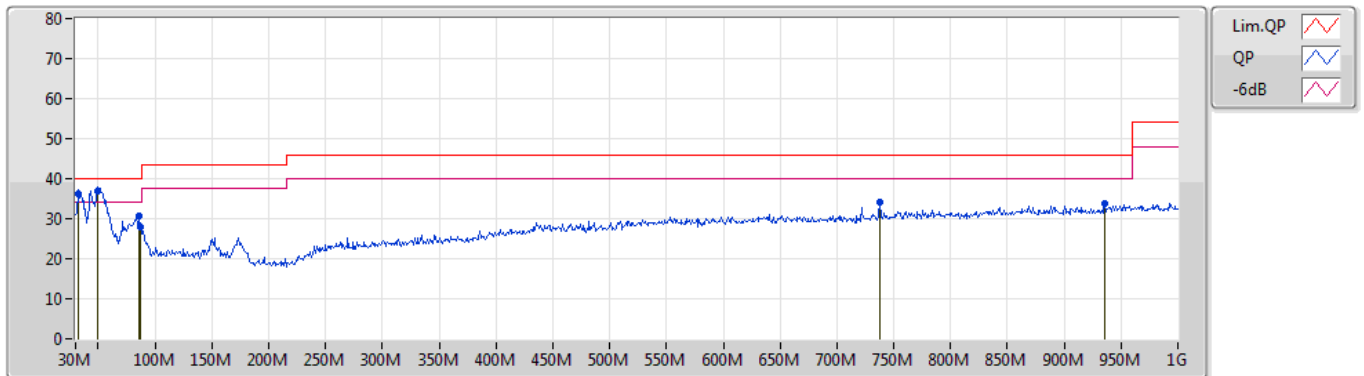
Appendix F.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 4	Pass	PK	49.4M	36.87	40.00	-3.13	Vertical

Mode 4

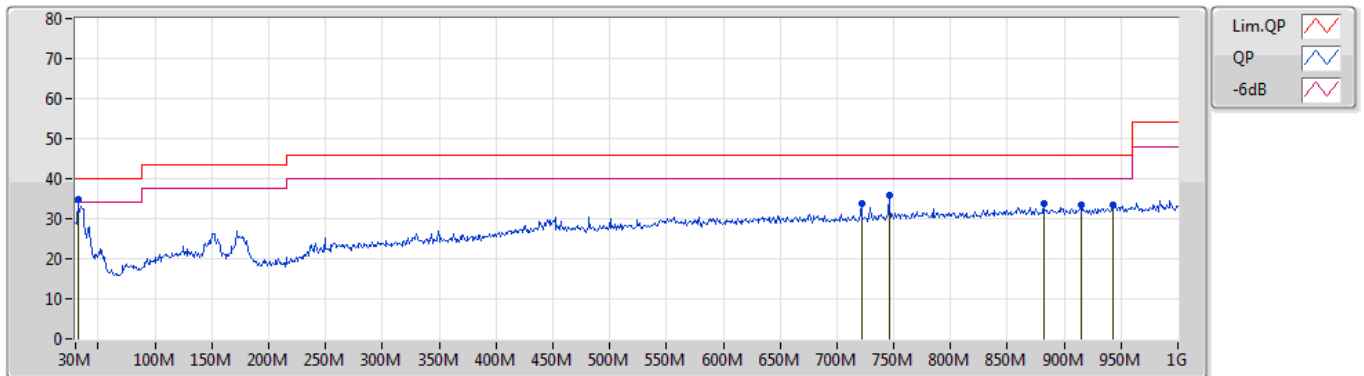
07/10/2020



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	31.94M	36.31	40.00	-3.69	-4.81	3	Vertical	27	3.00	-	41.12	23.43	0.20	28.44
PK	49.4M	36.87	40.00	-3.13	-13.65	3	Vertical	21	1.00	"Worst"	50.52	14.62	0.40	28.67
PK	86.26M	30.61	40.00	-9.39	-13.92	3	Vertical	159	2.00	-	44.53	13.96	0.70	28.58
PK	87.23M	27.77	40.00	-12.23	-13.68	3	Vertical	67	2.00	-	41.45	14.19	0.70	28.57
PK	738.1M	34.20	46.00	-11.80	-0.35	3	Vertical	63	3.00	-	34.55	25.80	3.15	29.30
PK	935.98M	33.76	46.00	-12.24	1.56	3	Vertical	0	1.25	-	32.20	26.65	3.50	28.59

Mode 4

07/10/2020



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	31.94M	34.98	40.00	-5.02	-4.81	3	Horizontal	12	3.00	"Worst"	39.79	23.43	0.20	28.44
PK	721.61M	33.82	46.00	-12.18	-0.78	3	Horizontal	360	2.00	-	34.60	25.42	3.09	29.29
PK	745.86M	35.74	46.00	-10.26	-0.20	3	Horizontal	11	2.00	-	35.94	25.93	3.18	29.31
PK	881.66M	33.63	46.00	-12.37	1.04	3	Horizontal	85	2.00	-	32.59	26.44	3.46	28.86
PK	914.64M	33.32	46.00	-12.68	1.26	3	Horizontal	6	1.25	-	32.06	26.45	3.50	28.69
PK	942.77M	33.44	46.00	-12.56	1.66	3	Horizontal	204	1.00	-	31.78	26.72	3.50	28.56



For non-beamforming mode:

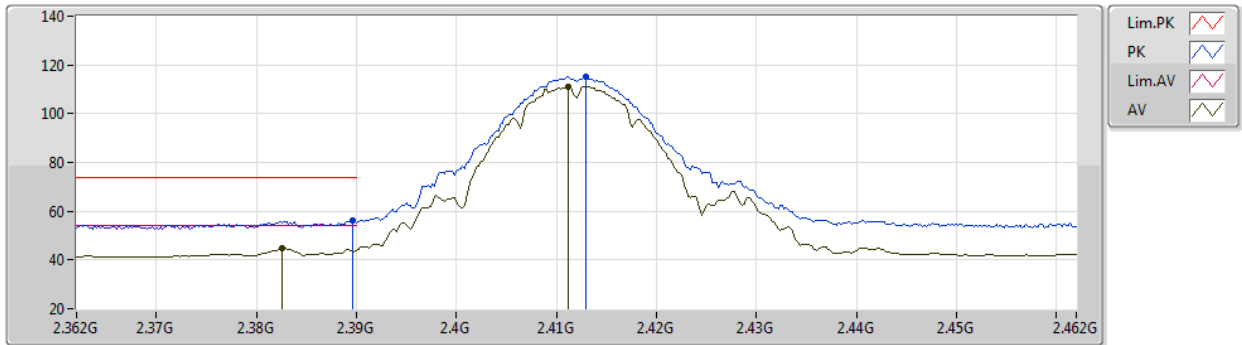
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.93	54.00	-0.07	3	Horizontal	142	2.05	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2412MHz_TX



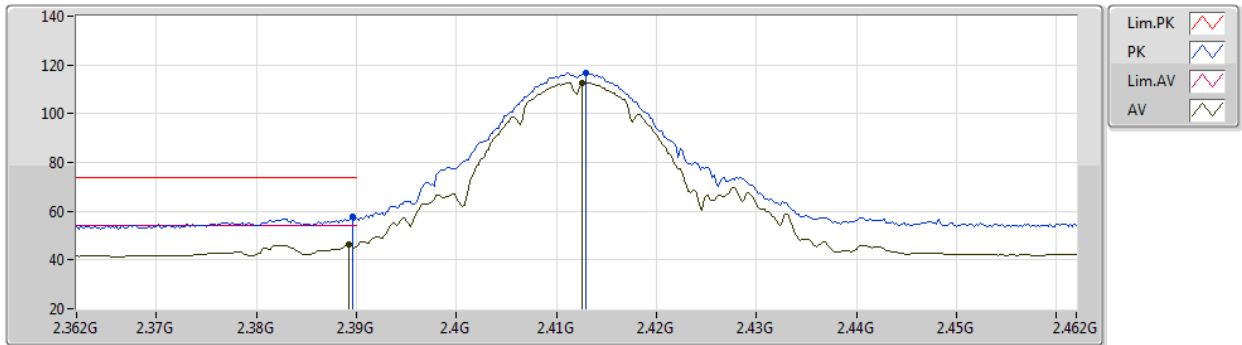
EUT Y_2TX
Setting 23
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	56.18	74.00	-17.82	26.53	3	Vertical	20	2.81	-	27.46	2.19	-
AV	2.3826G	44.67	54.00	-9.33	15.06	3	Vertical	20	2.81	-	27.43	2.18	-
PK	2.413G	115.09	Inf	-Inf	85.35	3	Vertical	20	2.81	-	27.53	2.21	-
AV	2.4112G	111.18	Inf	-Inf	81.45	3	Vertical	20	2.81	-	27.52	2.21	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2412MHz_TX



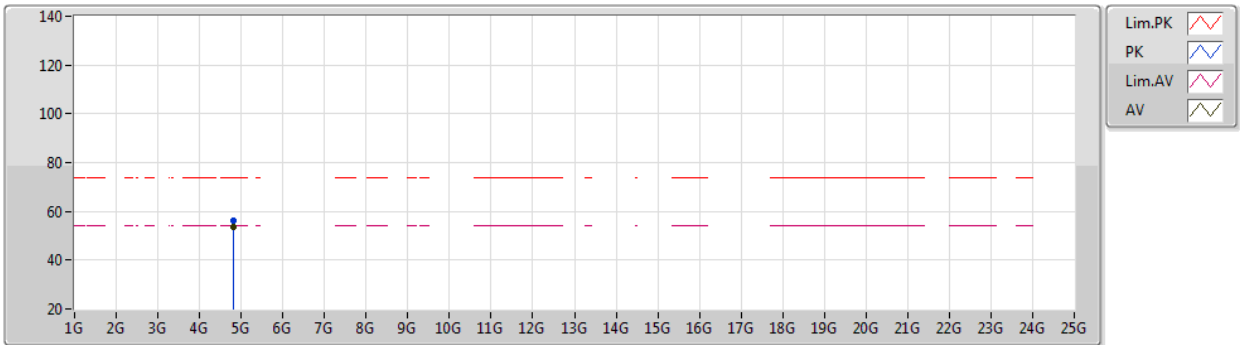
EUT Y_2TX
Setting 23
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	57.83	74.00	-16.17	28.18	3	Horizontal	32	2.43	-	27.46	2.19	-
AV	2.3892G	46.15	54.00	-7.85	16.50	3	Horizontal	32	2.43	-	27.46	2.19	-
PK	2.413G	116.85	Inf	-Inf	87.11	3	Horizontal	32	2.43	-	27.53	2.21	-
AV	2.4126G	112.81	Inf	-Inf	83.07	3	Horizontal	32	2.43	-	27.53	2.21	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2412MHz_TX



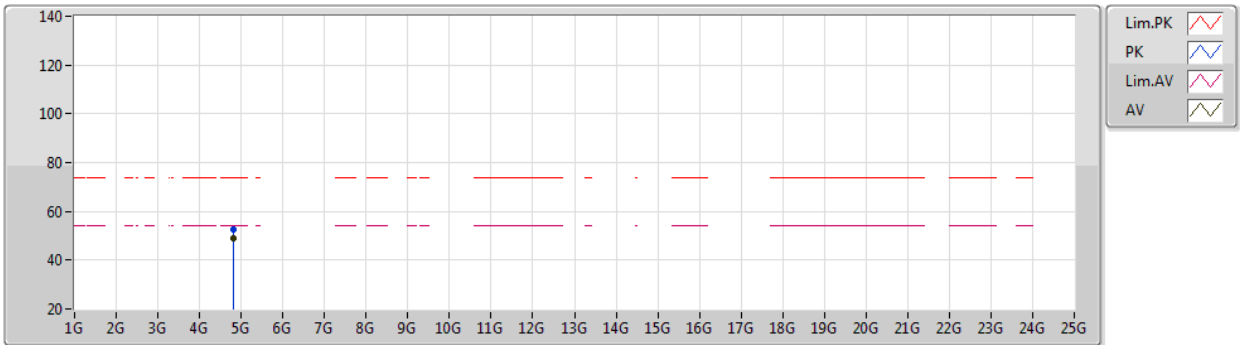
EUT Y_2TX
Setting 23
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8239G	56.40	74.00	-17.60	53.66	3	Vertical	12	2.84	-	32.45	5.01	34.72
AV	4.82394G	53.60	54.00	-0.40	50.86	3	Vertical	12	2.84	-	32.45	5.01	34.72

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2412MHz_TX



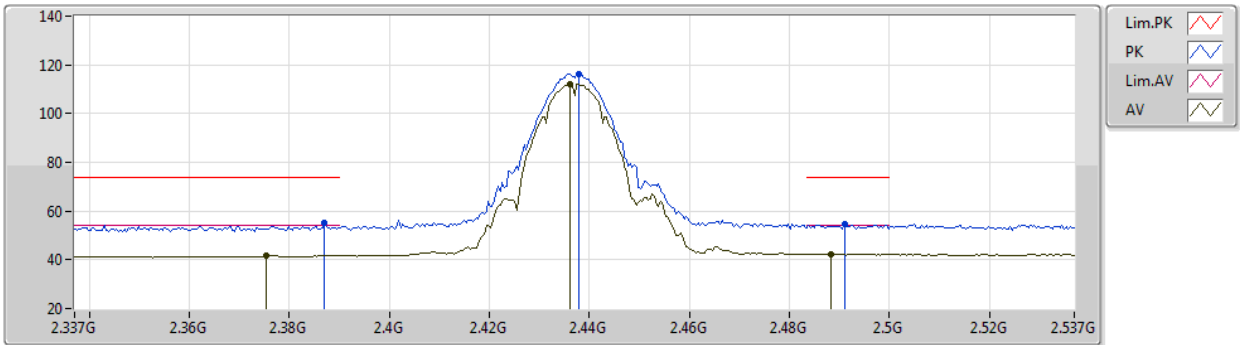
EUT Y_2TX
Setting 23
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82402G	52.74	74.00	-21.26	50.00	3	Horizontal	147	2.17	-	32.45	5.01	34.72
AV	4.82392G	48.86	54.00	-5.14	46.12	3	Horizontal	147	2.17	-	32.45	5.01	34.72

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2437MHz_TX



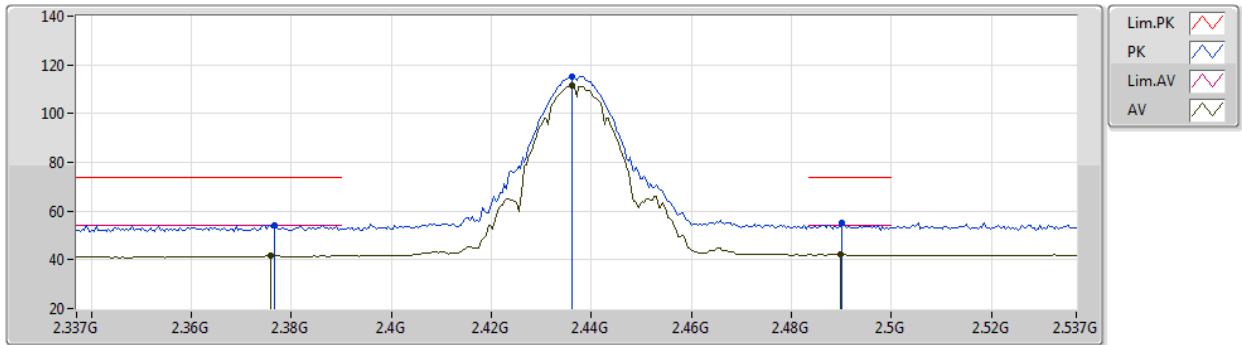
EUT Y_2TX
Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.387G	55.07	74.00	-18.93	25.43	3	Vertical	327	2.32	-	27.45	2.19	-
AV	2.3754G	41.65	54.00	-12.35	12.07	3	Vertical	327	2.32	-	27.40	2.18	-
PK	2.4378G	116.23	Inf	-Inf	86.41	3	Vertical	327	2.32	-	27.58	2.24	-
AV	2.4362G	112.27	Inf	-Inf	82.46	3	Vertical	327	2.32	-	27.57	2.24	-
PK	2.491G	54.40	74.00	-19.60	24.26	3	Vertical	327	2.32	-	27.85	2.29	-
AV	2.4882G	42.43	54.00	-11.57	12.31	3	Vertical	327	2.32	-	27.83	2.29	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2437MHz_TX



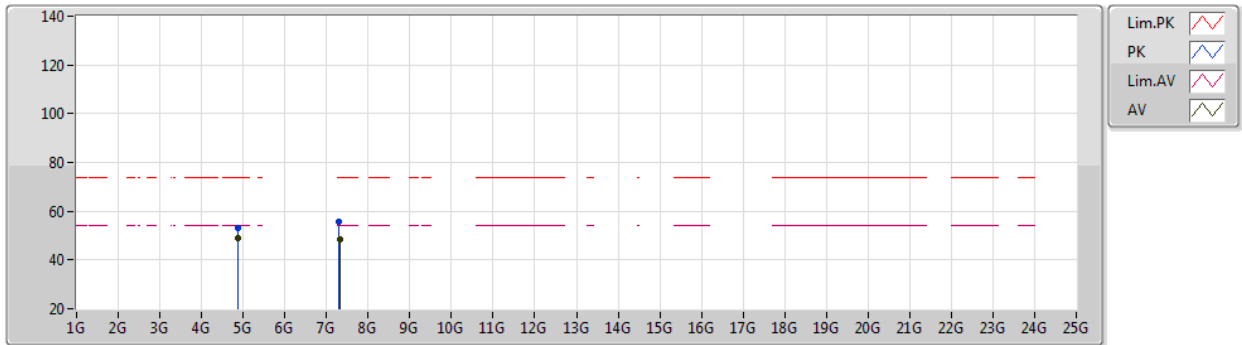
EUT Y_2TX
Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3766G	54.12	74.00	-19.88	24.53	3	Horizontal	24	2.39	-	27.41	2.18	-
AV	2.3758G	41.60	54.00	-12.40	12.02	3	Horizontal	24	2.39	-	27.40	2.18	-
PK	2.4362G	115.37	Inf	-Inf	85.56	3	Horizontal	24	2.39	-	27.57	2.24	-
AV	2.4362G	111.47	Inf	-Inf	81.66	3	Horizontal	24	2.39	-	27.57	2.24	-
PK	2.4902G	55.32	74.00	-18.68	25.19	3	Horizontal	24	2.39	-	27.84	2.29	-
AV	2.4898G	42.49	54.00	-11.51	12.36	3	Horizontal	24	2.39	-	27.84	2.29	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2437MHz_TX



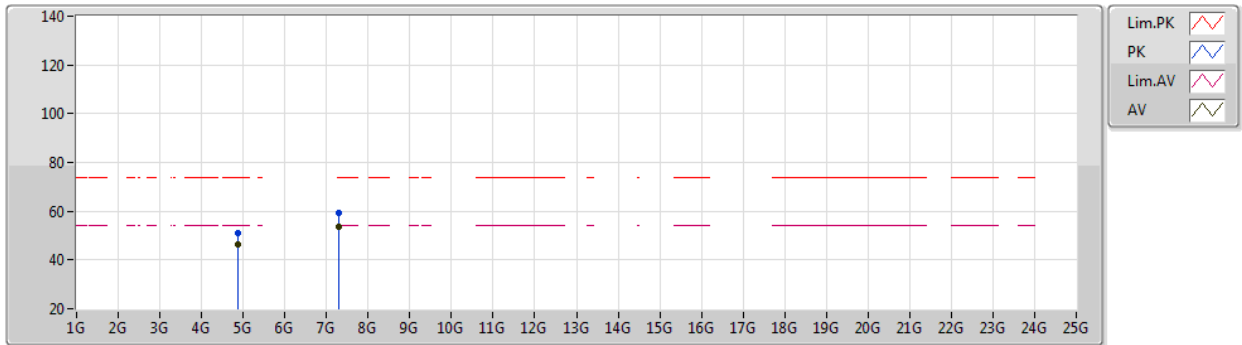
EUT Y_2TX
Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87391G	53.07	74.00	-20.93	50.16	3	Vertical	11	2.91	-	32.55	5.04	34.68
AV	4.87393G	48.84	54.00	-5.16	45.93	3	Vertical	11	2.91	-	32.55	5.04	34.68
PK	7.30982G	55.59	74.00	-18.41	46.84	3	Vertical	226	1.80	-	37.32	6.31	34.88
AV	7.31165G	48.24	54.00	-5.76	39.49	3	Vertical	226	1.80	-	37.32	6.31	34.88

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2437MHz_TX



EUT Y_2TX
Setting 22.5
01-A-K-3

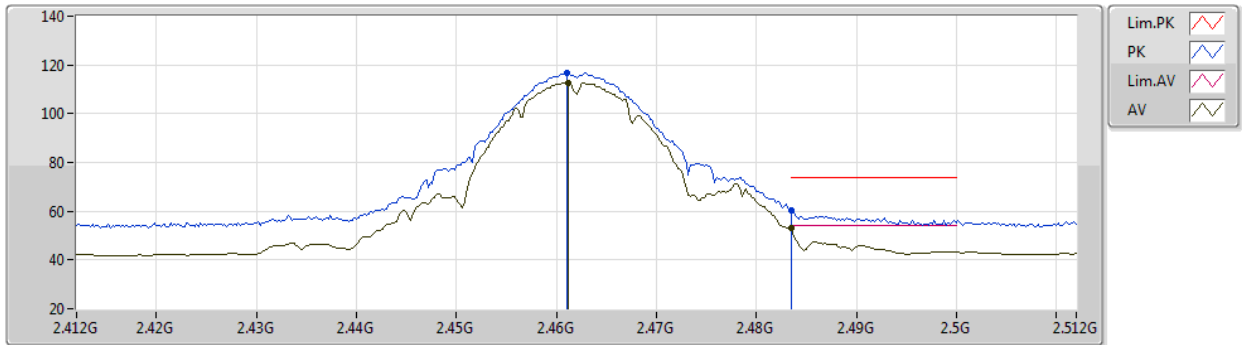
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PK	4.87398G	51.14	74.00	-22.86	48.23	3	Horizontal	108	2.03	-	32.55	5.04	34.68
AV	4.87395G	46.18	54.00	-7.82	43.27	3	Horizontal	108	2.03	-	32.55	5.04	34.68
PK	7.30994G	59.29	74.00	-14.71	50.54	3	Horizontal	301	1.64	-	37.32	6.31	34.88
AV	7.3097G	53.50	54.00	-0.50	44.75	3	Horizontal	301	1.64	-	37.32	6.31	34.88



802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2462MHz_TX



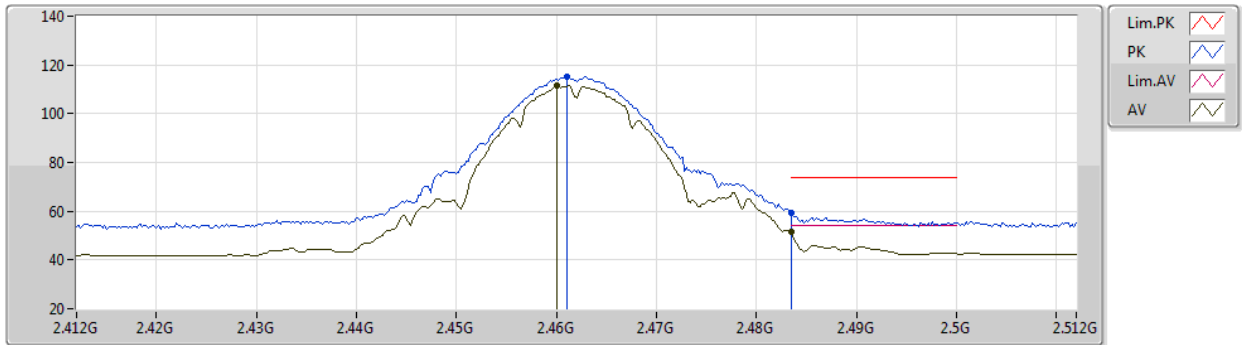
EUT Y_2TX
Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	116.62	Inf	-Inf	86.69	3	Vertical	323	3.00	-	27.67	2.26	-
AV	2.4612G	112.81	Inf	-Inf	82.88	3	Vertical	323	3.00	-	27.67	2.26	-
PK	2.4835G	60.27	74.00	-13.73	30.19	3	Vertical	323	3.00	-	27.80	2.28	-
AV	2.4835G	53.11	54.00	-0.89	23.03	3	Vertical	323	3.00	-	27.80	2.28	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2462MHz_TX



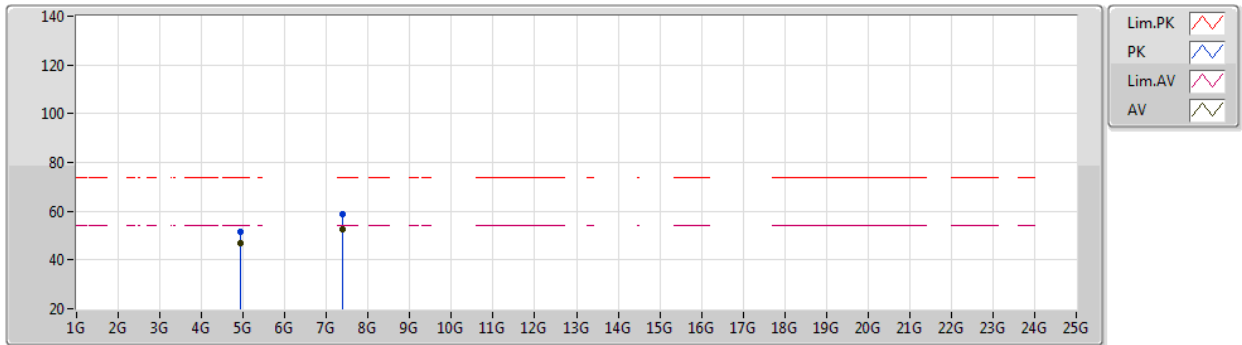
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Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	115.20	Inf	-Inf	85.27	3	Horizontal	21	1.57	-	27.67	2.26	-
AV	2.46G	111.72	Inf	-Inf	81.80	3	Horizontal	21	1.57	-	27.66	2.26	-
PK	2.4835G	59.07	74.00	-14.93	28.99	3	Horizontal	21	1.57	-	27.80	2.28	-
AV	2.4835G	51.76	54.00	-2.24	21.68	3	Horizontal	21	1.57	-	27.80	2.28	-

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2462MHz_TX



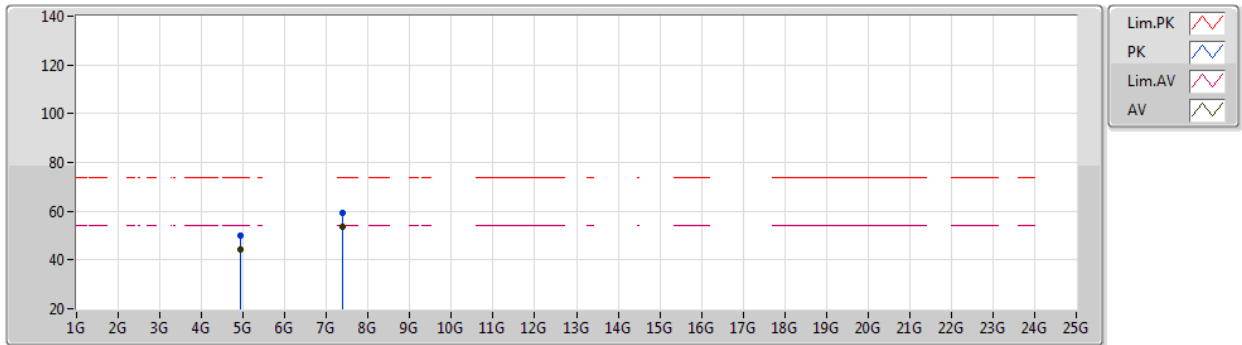
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Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92388G	51.76	74.00	-22.24	48.64	3	Vertical	12	2.63	-	32.70	5.06	34.64
AV	4.92394G	46.81	54.00	-7.19	43.69	3	Vertical	12	2.63	-	32.70	5.06	34.64
PK	7.38677G	58.79	74.00	-15.21	50.05	3	Vertical	242	2.71	-	37.25	6.39	34.90
AV	7.38665G	52.56	54.00	-1.44	43.82	3	Vertical	242	2.71	-	37.25	6.39	34.90

802.11b_Nss1,(1Mbps)_2TX

07/10/2020

2462MHz_TX



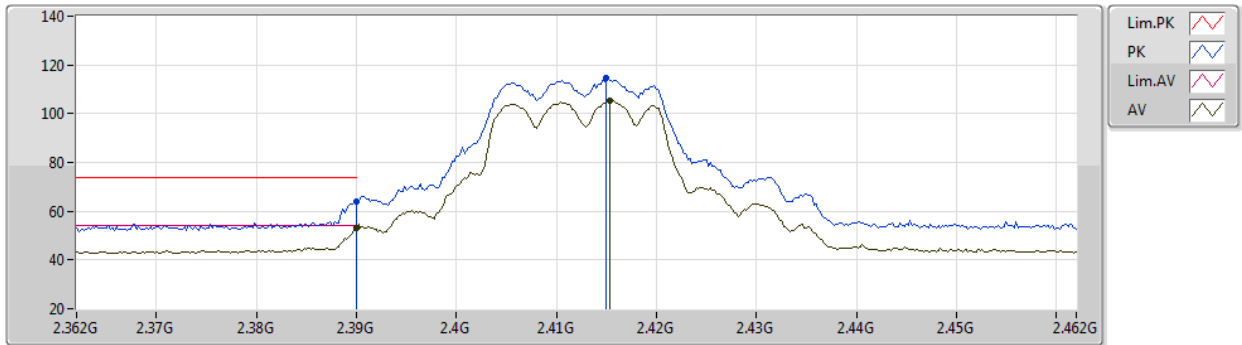
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Setting 22.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92394G	50.19	74.00	-23.81	47.07	3	Horizontal	146	1.89	-	32.70	5.06	34.64
AV	4.92392G	44.38	54.00	-9.62	41.26	3	Horizontal	146	1.89	-	32.70	5.06	34.64
PK	7.38691G	59.55	74.00	-14.45	50.81	3	Horizontal	305	1.80	-	37.25	6.39	34.90
AV	7.38665G	53.66	54.00	-0.34	44.92	3	Horizontal	305	1.80	-	37.25	6.39	34.90

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2412MHz_TX



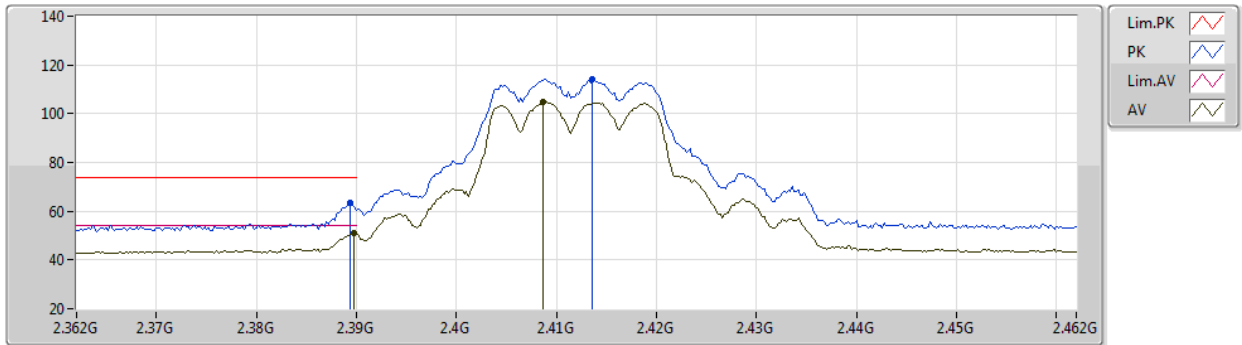
EUT Y_2TX
Setting 18.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	64.10	74.00	-9.90	34.45	3	Vertical	294	2.45	-	27.46	2.19	-
AV	2.39G	53.07	54.00	-0.93	23.42	3	Vertical	294	2.45	-	27.46	2.19	-
PK	2.415G	114.65	Inf	-Inf	84.91	3	Vertical	294	2.45	-	27.53	2.21	-
AV	2.4154G	105.19	Inf	-Inf	75.44	3	Vertical	294	2.45	-	27.53	2.22	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2412MHz_TX



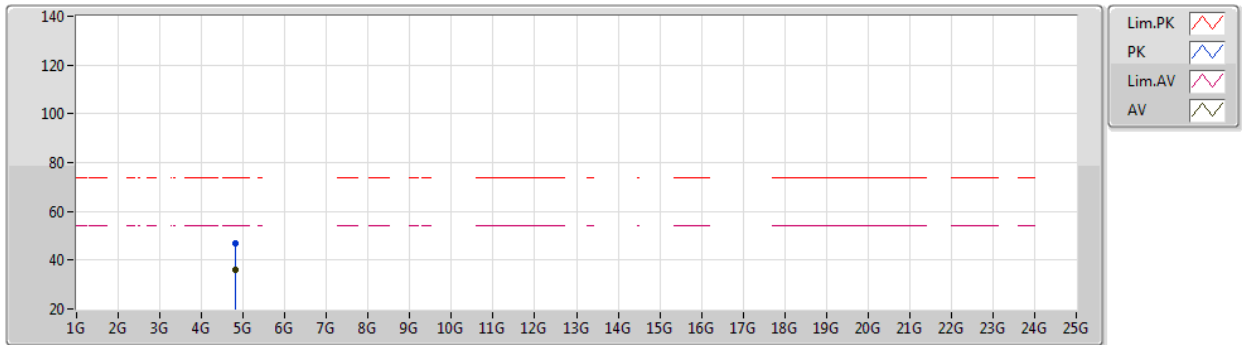
EUT Y_2TX
Setting 18.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	63.66	74.00	-10.34	34.01	3	Horizontal	144	1.66	-	27.46	2.19	-
AV	2.3898G	51.16	54.00	-2.84	21.51	3	Horizontal	144	1.66	-	27.46	2.19	-
PK	2.4136G	114.16	Inf	-Inf	84.42	3	Horizontal	144	1.66	-	27.53	2.21	-
AV	2.4086G	104.86	Inf	-Inf	75.13	3	Horizontal	144	1.66	-	27.52	2.21	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2412MHz_TX



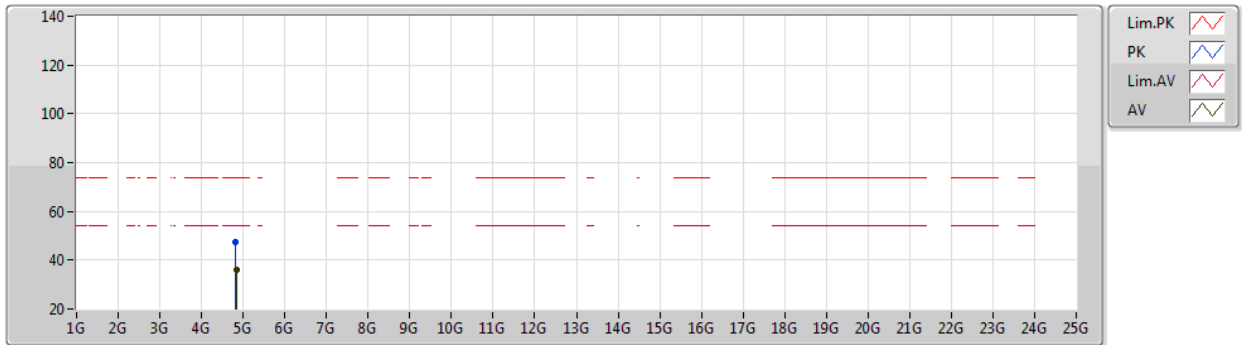
EUT Y_2TX
Setting 18.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8252G	46.88	74.00	-27.12	44.14	3	Vertical	314	1.24	-	32.45	5.01	34.72
AV	4.8204G	35.96	54.00	-18.04	33.24	3	Vertical	314	1.24	-	32.44	5.01	34.73

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2412MHz_TX



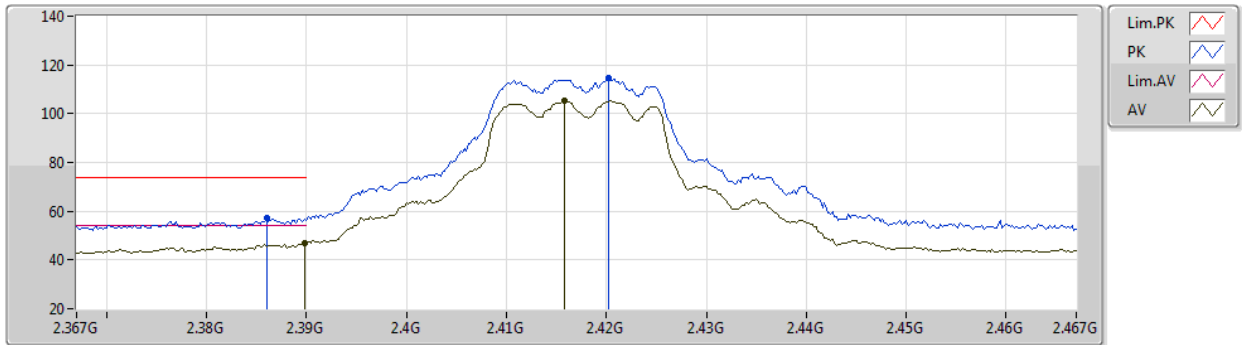
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Setting 18.5
01-A-K-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8206G	47.33	74.00	-26.67	44.61	3	Horizontal	145	2.15	-	32.44	5.01	34.73
AV	4.83024G	36.16	54.00	-17.84	33.40	3	Horizontal	145	2.15	-	32.46	5.02	34.72

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2417MHz_TX



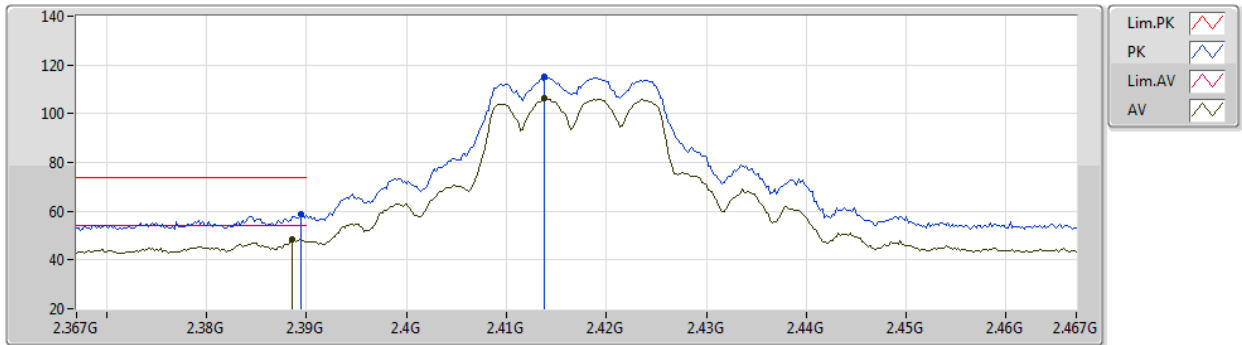
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	57.11	74.00	-16.89	27.48	3	Vertical	246	2.77	-	27.44	2.19	-
AV	2.3898G	47.11	54.00	-6.89	17.46	3	Vertical	246	2.77	-	27.46	2.19	-
PK	2.4202G	114.70	Inf	-Inf	84.94	3	Vertical	246	2.77	-	27.54	2.22	-
AV	2.4158G	105.30	Inf	-Inf	75.55	3	Vertical	246	2.77	-	27.53	2.22	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2417MHz_TX



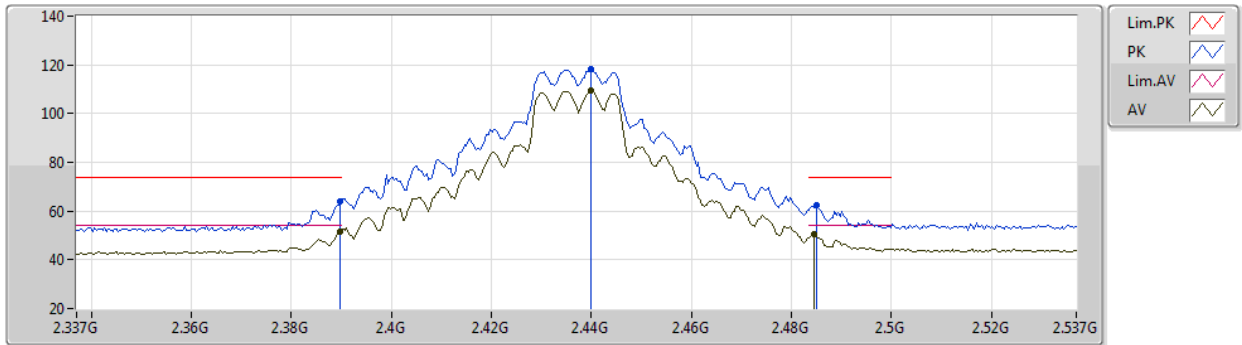
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	58.78	74.00	-15.22	29.13	3	Horizontal	144	2.08	-	27.46	2.19	-
AV	2.3886G	48.36	54.00	-5.64	18.72	3	Horizontal	144	2.08	-	27.45	2.19	-
PK	2.4138G	115.30	Inf	-Inf	85.56	3	Horizontal	144	2.08	-	27.53	2.21	-
AV	2.4138G	106.13	Inf	-Inf	76.39	3	Horizontal	144	2.08	-	27.53	2.21	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2437MHz_TX



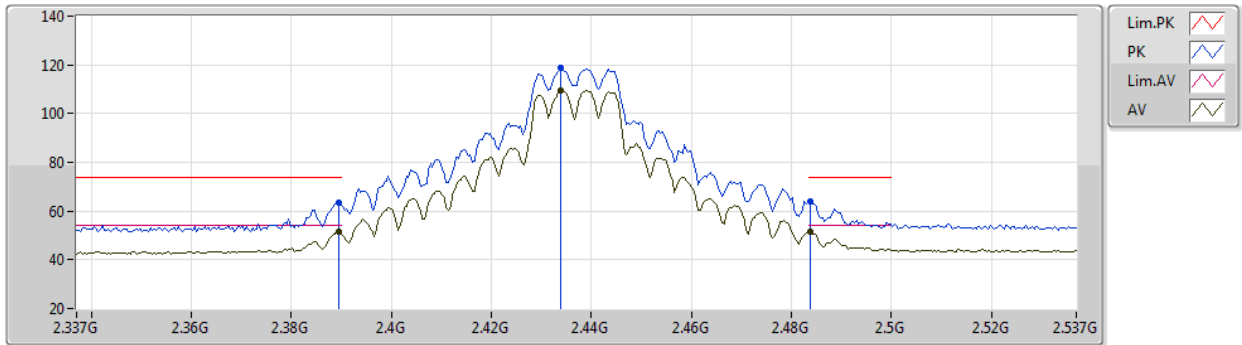
EUT Y_2TX
Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	64.20	74.00	-9.80	34.55	3	Vertical	278	2.57	-	27.46	2.19	-
AV	2.3898G	51.74	54.00	-2.26	22.09	3	Vertical	278	2.57	-	27.46	2.19	-
PK	2.4398G	118.52	Inf	-Inf	88.70	3	Vertical	278	2.57	-	27.58	2.24	-
AV	2.4398G	109.37	Inf	-Inf	79.55	3	Vertical	278	2.57	-	27.58	2.24	-
PK	2.485G	62.65	74.00	-11.35	32.55	3	Vertical	278	2.57	-	27.81	2.29	-
AV	2.4846G	50.77	54.00	-3.23	20.68	3	Vertical	278	2.57	-	27.81	2.28	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2437MHz_TX



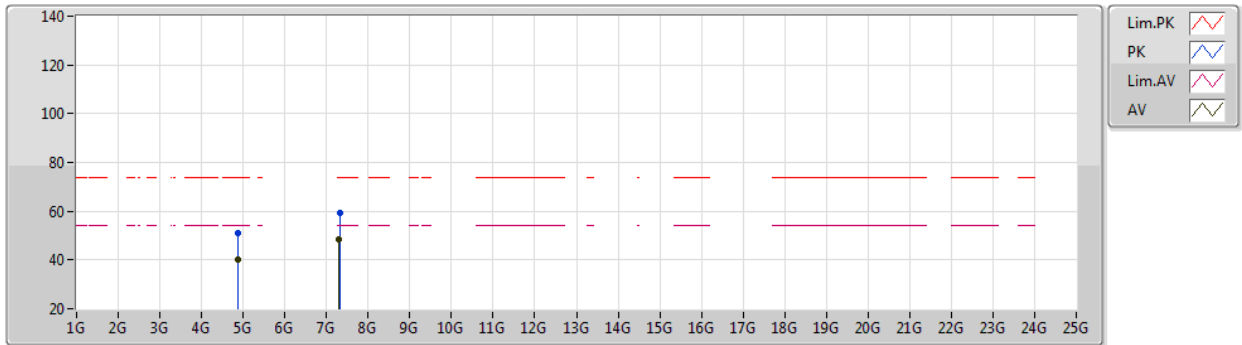
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Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	63.32	74.00	-10.68	33.67	3	Horizontal	142	2.05	-	27.46	2.19	-
AV	2.3894G	51.51	54.00	-2.49	21.86	3	Horizontal	142	2.05	-	27.46	2.19	-
PK	2.4338G	118.83	Inf	-Inf	89.03	3	Horizontal	142	2.05	-	27.57	2.23	-
AV	2.4338G	109.65	Inf	-Inf	79.85	3	Horizontal	142	2.05	-	27.57	2.23	-
PK	2.4838G	63.86	74.00	-10.14	33.78	3	Horizontal	142	2.05	-	27.80	2.28	-
AV	2.4838G	51.69	54.00	-2.31	21.61	3	Horizontal	142	2.05	-	27.80	2.28	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2437MHz_TX



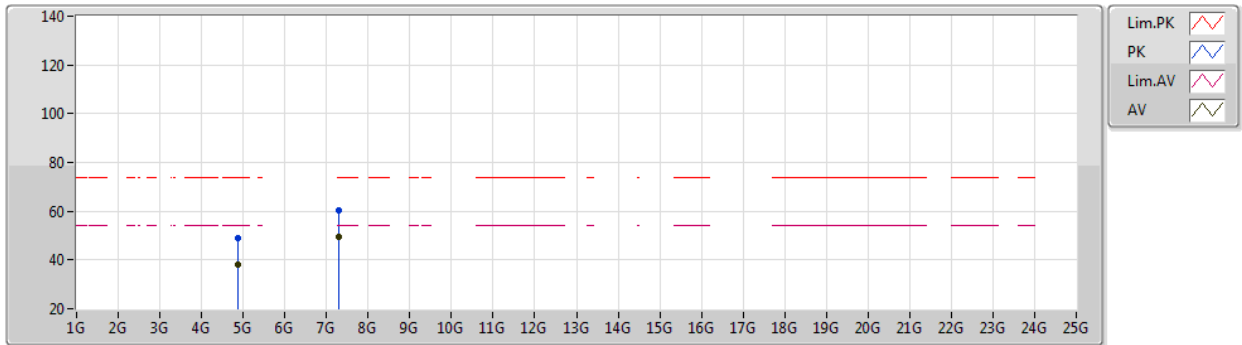
EUT Y_2TX
Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87032G	51.08	74.00	-22.92	48.19	3	Vertical	22	1.91	-	32.54	5.04	34.69
AV	4.875G	40.23	54.00	-13.77	37.32	3	Vertical	22	1.91	-	32.55	5.04	34.68
PK	7.31376G	59.30	74.00	-14.70	50.54	3	Vertical	88	1.79	-	37.33	6.31	34.88
AV	7.30856G	48.36	54.00	-5.64	39.61	3	Vertical	88	1.79	-	37.32	6.31	34.88

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2437MHz_TX



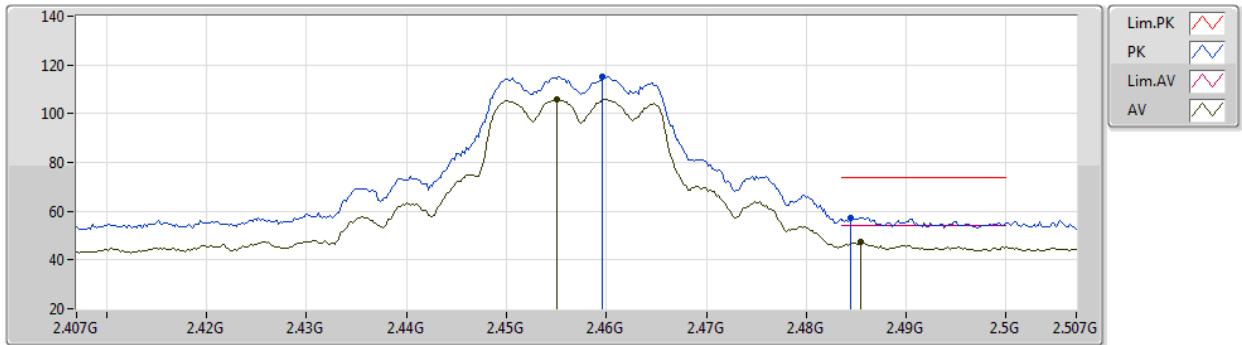
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Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87024G	49.00	74.00	-25.00	46.11	3	Horizontal	105	2.02	-	32.54	5.04	34.69
AV	4.8746G	38.19	54.00	-15.81	35.28	3	Horizontal	105	2.02	-	32.55	5.04	34.68
PK	7.30564G	60.55	74.00	-13.45	51.81	3	Horizontal	301	1.51	-	37.31	6.31	34.88
AV	7.3102G	49.59	54.00	-4.41	40.84	3	Horizontal	301	1.51	-	37.32	6.31	34.88

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2457MHz_TX



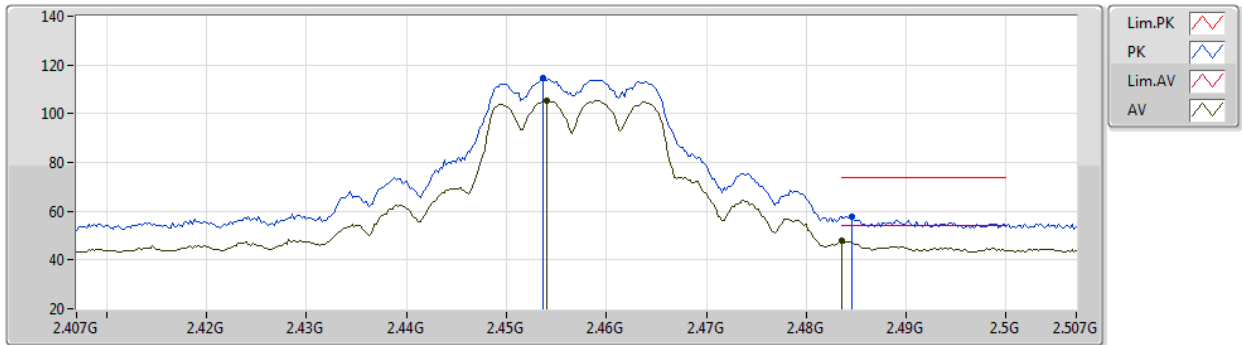
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4596G	115.06	Inf	-Inf	85.14	3	Vertical	292	2.57	-	27.66	2.26	-
AV	2.455G	106.01	Inf	-Inf	76.12	3	Vertical	292	2.57	-	27.63	2.26	-
PK	2.4844G	57.43	74.00	-16.57	27.34	3	Vertical	292	2.57	-	27.81	2.28	-
AV	2.4854G	47.42	54.00	-6.58	17.32	3	Vertical	292	2.57	-	27.81	2.29	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2457MHz_TX



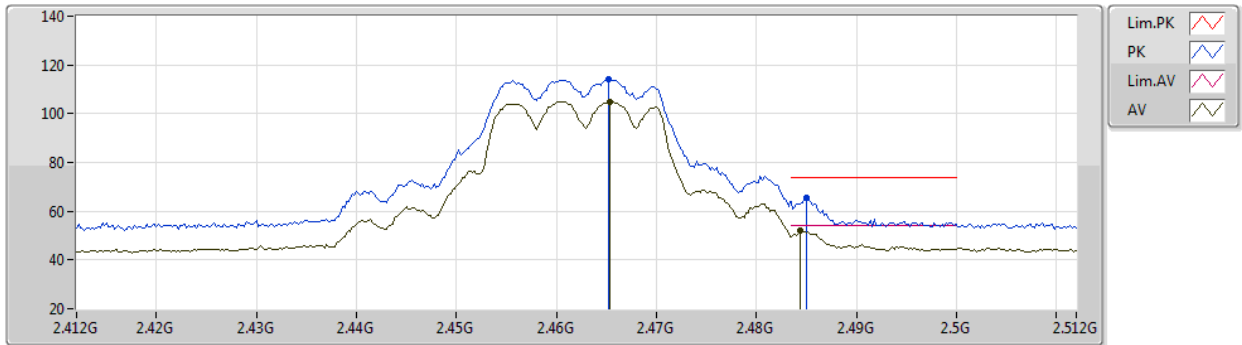
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4536G	114.42	Inf	-Inf	84.55	3	Horizontal	142	2.14	-	27.62	2.25	-
AV	2.454G	105.56	Inf	-Inf	75.69	3	Horizontal	142	2.14	-	27.62	2.25	-
PK	2.4846G	57.71	74.00	-16.29	27.62	3	Horizontal	142	2.14	-	27.81	2.28	-
AV	2.4835G	48.12	54.00	-5.88	18.04	3	Horizontal	142	2.14	-	27.80	2.28	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2462MHz_TX



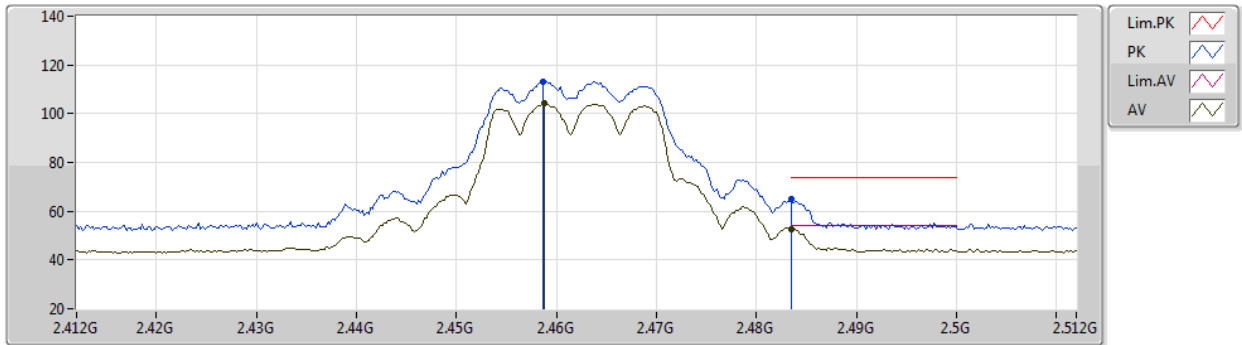
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4652G	114.13	Inf	-Inf	84.17	3	Vertical	304	2.34	-	27.69	2.27	-
AV	2.4654G	105.08	Inf	-Inf	75.12	3	Vertical	304	2.34	-	27.69	2.27	-
PK	2.485G	65.62	74.00	-8.38	35.52	3	Vertical	304	2.34	-	27.81	2.29	-
AV	2.4844G	52.08	54.00	-1.92	21.99	3	Vertical	304	2.34	-	27.81	2.28	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2462MHz_TX



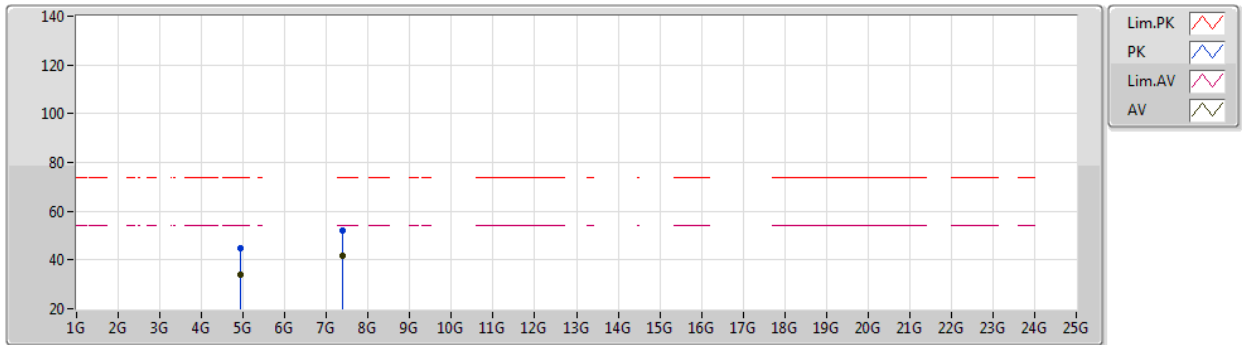
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4586G	113.17	Inf	-Inf	83.26	3	Horizontal	143	2.37	-	27.65	2.26	-
AV	2.4588G	104.55	Inf	-Inf	74.64	3	Horizontal	143	2.37	-	27.65	2.26	-
PK	2.4835G	64.99	74.00	-9.01	34.91	3	Horizontal	143	2.37	-	27.80	2.28	-
AV	2.4835G	52.80	54.00	-1.20	22.72	3	Horizontal	143	2.37	-	27.80	2.28	-

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2462MHz_TX



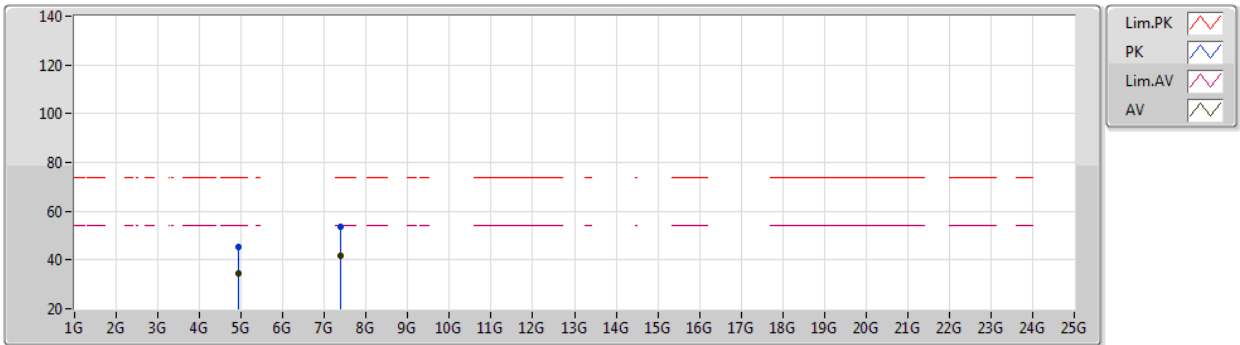
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92984G	44.96	74.00	-29.04	41.82	3	Vertical	140	1.49	-	32.72	5.06	34.64
AV	4.93368G	34.17	54.00	-19.83	31.00	3	Vertical	140	1.49	-	32.73	5.07	34.63
PK	7.39452G	52.24	74.00	-21.76	43.53	3	Vertical	208	2.01	-	37.22	6.39	34.90
AV	7.3852G	41.50	54.00	-12.50	32.74	3	Vertical	208	2.01	-	37.26	6.39	34.89

802.11g_Nss1,(6Mbps)_2TX

07/10/2020

2462MHz_TX



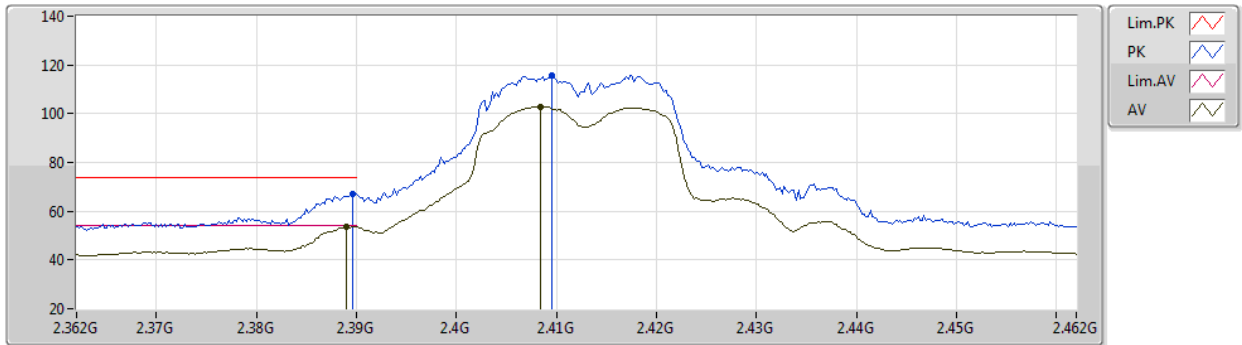
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.91984G	45.15	74.00	-28.85	42.06	3	Horizontal	155	1.50	-	32.68	5.06	34.65
AV	4.934G	34.67	54.00	-19.33	31.49	3	Horizontal	155	1.50	-	32.74	5.07	34.63
PK	7.38036G	53.39	74.00	-20.61	44.62	3	Horizontal	301	1.79	-	37.28	6.38	34.89
AV	7.38992G	41.61	54.00	-12.39	32.88	3	Horizontal	301	1.79	-	37.24	6.39	34.90

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



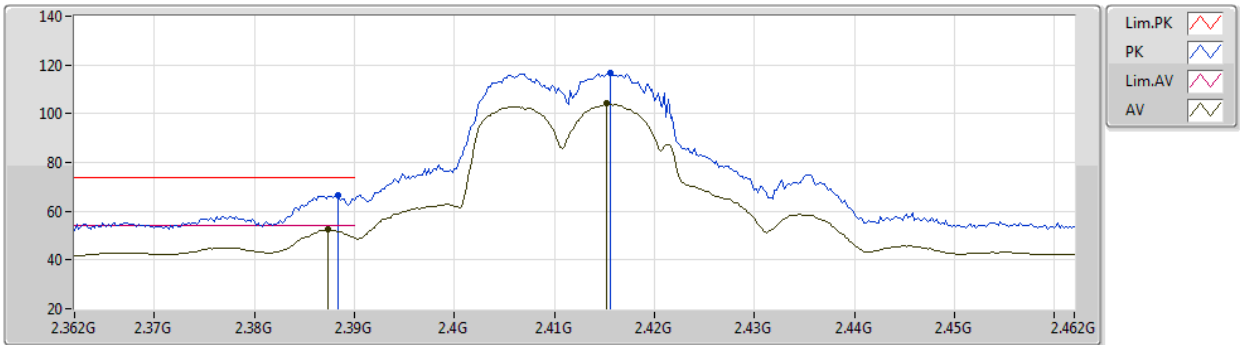
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	67.12	74.00	-6.88	37.47	3	Vertical	277	2.64	-	27.46	2.19	-
AV	2.389G	53.80	54.00	-0.20	24.15	3	Vertical	277	2.64	-	27.46	2.19	-
PK	2.4096G	115.44	Inf	-Inf	85.71	3	Vertical	277	2.64	-	27.52	2.21	-
AV	2.4084G	102.87	Inf	-Inf	73.14	3	Vertical	277	2.64	-	27.52	2.21	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



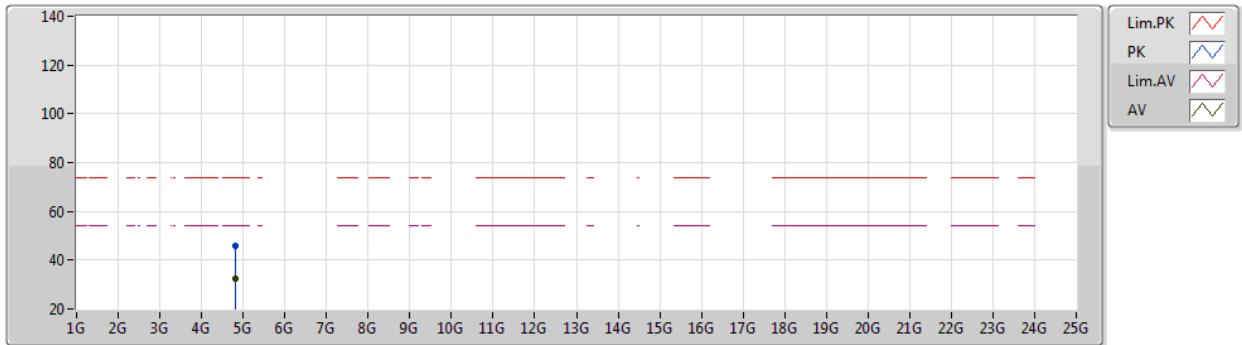
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3884G	66.50	74.00	-7.50	36.86	3	Horizontal	147	1.69	-	27.45	2.19	-
AV	2.3874G	52.36	54.00	-1.64	22.72	3	Horizontal	147	1.69	-	27.45	2.19	-
PK	2.4156G	116.64	Inf	-Inf	86.89	3	Horizontal	147	1.69	-	27.53	2.22	-
AV	2.4152G	104.06	Inf	-Inf	74.31	3	Horizontal	147	1.69	-	27.53	2.22	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



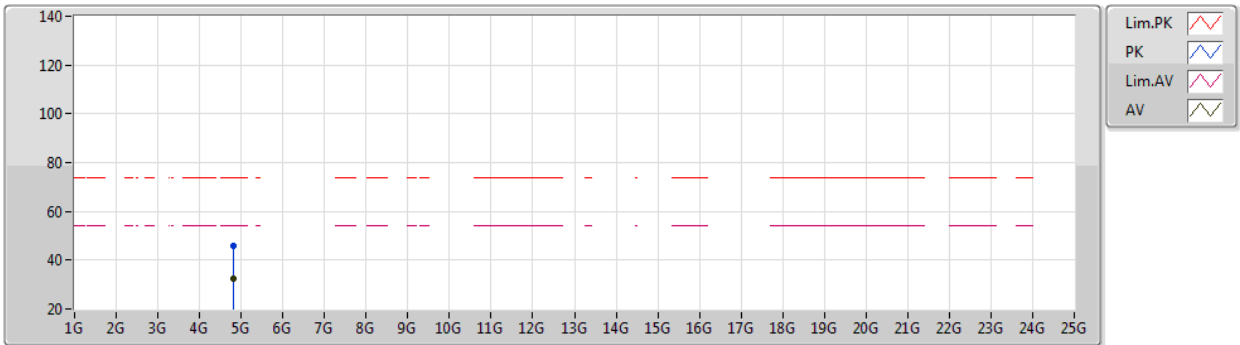
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8282G	45.90	74.00	-28.10	43.15	3	Vertical	64	1.73	-	32.46	5.01	34.72
AV	4.82668G	32.27	54.00	-21.73	29.53	3	Vertical	64	1.73	-	32.45	5.01	34.72

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



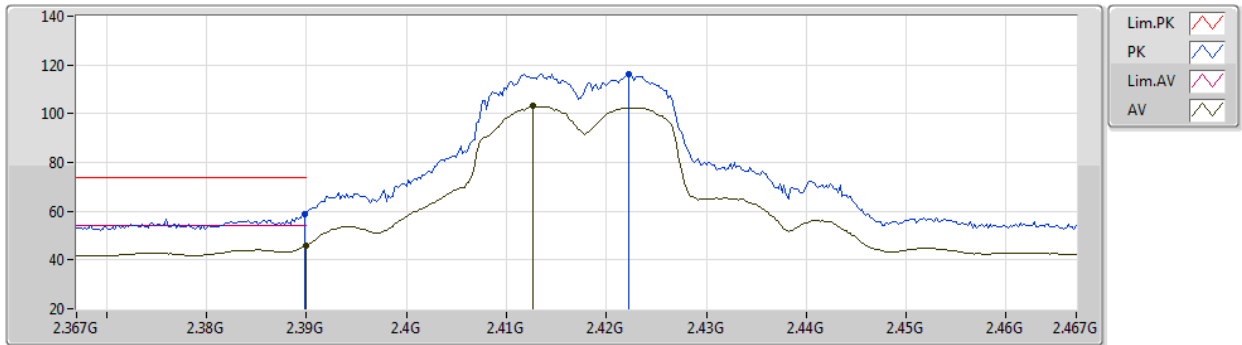
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Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82716G	45.72	74.00	-28.28	42.98	3	Horizontal	239	2.04	-	32.45	5.01	34.72
AV	4.82472G	32.31	54.00	-21.69	29.57	3	Horizontal	239	2.04	-	32.45	5.01	34.72

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2417MHz_TX



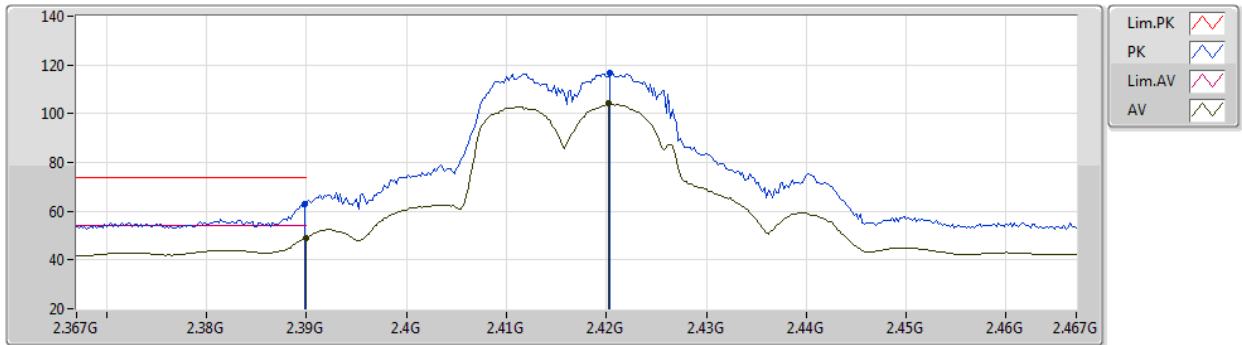
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	58.94	74.00	-15.06	29.29	3	Vertical	280	2.55	-	27.46	2.19	-
AV	2.39G	45.97	54.00	-8.03	16.32	3	Vertical	280	2.55	-	27.46	2.19	-
PK	2.4222G	116.41	Inf	-Inf	86.65	3	Vertical	280	2.55	-	27.54	2.22	-
AV	2.4126G	103.15	Inf	-Inf	73.41	3	Vertical	280	2.55	-	27.53	2.21	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2417MHz_TX



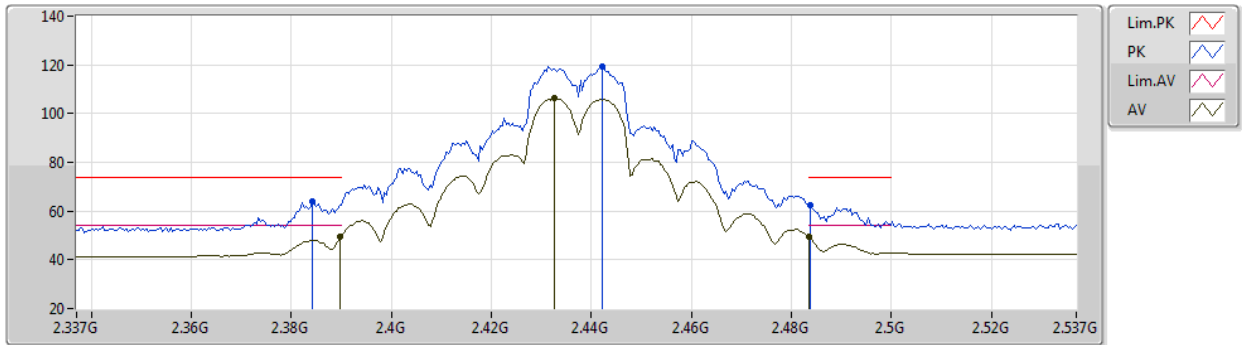
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	63.11	74.00	-10.89	33.46	3	Horizontal	146	2.11	-	27.46	2.19	-
AV	2.39G	49.22	54.00	-4.78	19.57	3	Horizontal	146	2.11	-	27.46	2.19	-
PK	2.4204G	116.63	Inf	-Inf	86.87	3	Horizontal	146	2.11	-	27.54	2.22	-
AV	2.4202G	104.09	Inf	-Inf	74.33	3	Horizontal	146	2.11	-	27.54	2.22	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



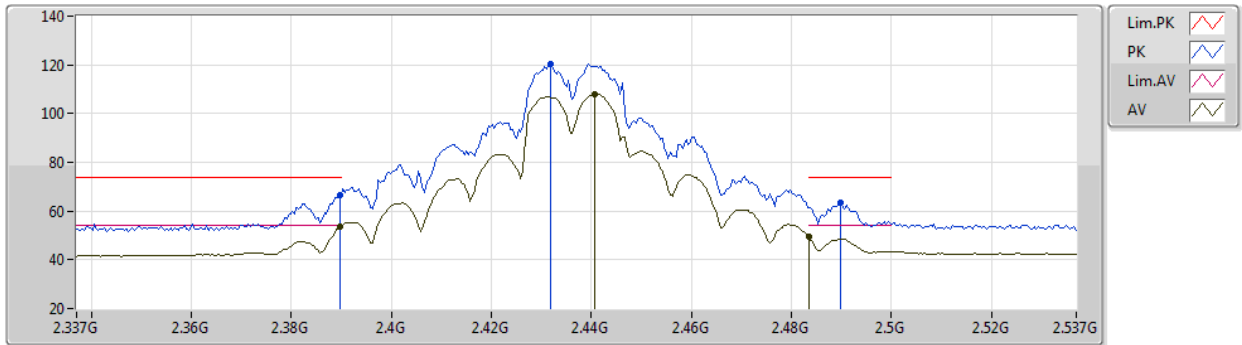
EUT Y_2TX
Setting 24
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3842G	63.83	74.00	-10.17	34.21	3	Vertical	263	1.73	-	27.44	2.18	-
AV	2.3898G	49.46	54.00	-4.54	19.81	3	Vertical	263	1.73	-	27.46	2.19	-
PK	2.4422G	119.36	Inf	-Inf	89.54	3	Vertical	263	1.73	-	27.58	2.24	-
AV	2.4326G	106.47	Inf	-Inf	76.67	3	Vertical	263	1.73	-	27.57	2.23	-
PK	2.4838G	62.54	74.00	-11.46	32.46	3	Vertical	263	1.73	-	27.80	2.28	-
AV	2.4835G	49.52	54.00	-4.48	19.44	3	Vertical	263	1.73	-	27.80	2.28	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



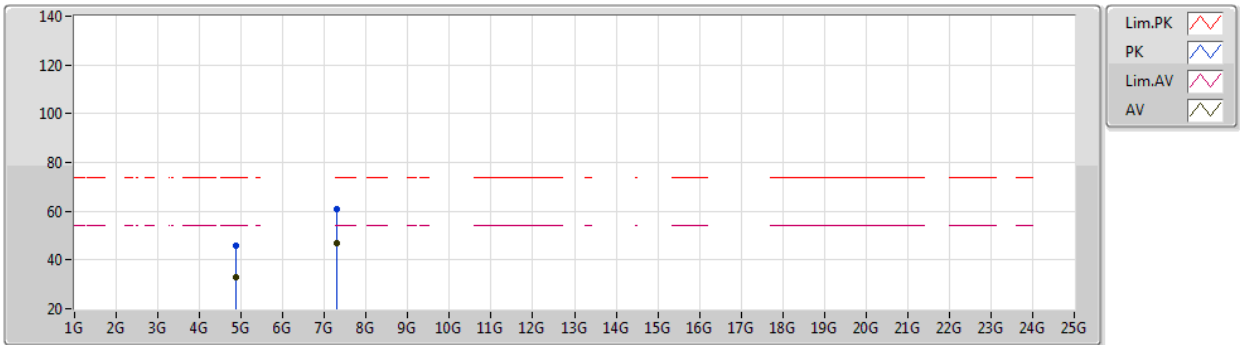
EUT Y_2TX
Setting 24
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	66.80	74.00	-7.20	37.15	3	Horizontal	142	2.07	-	27.46	2.19	-
AV	2.3898G	53.82	54.00	-0.18	24.17	3	Horizontal	142	2.07	-	27.46	2.19	-
PK	2.4318G	120.54	Inf	-Inf	90.75	3	Horizontal	142	2.07	-	27.56	2.23	-
AV	2.4406G	108.01	Inf	-Inf	78.19	3	Horizontal	142	2.07	-	27.58	2.24	-
PK	2.4898G	63.19	74.00	-10.81	33.06	3	Horizontal	142	2.07	-	27.84	2.29	-
AV	2.4835G	49.63	54.00	-4.37	19.55	3	Horizontal	142	2.07	-	27.80	2.28	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



EUT Y_2TX
Setting 24
01-A-G-2

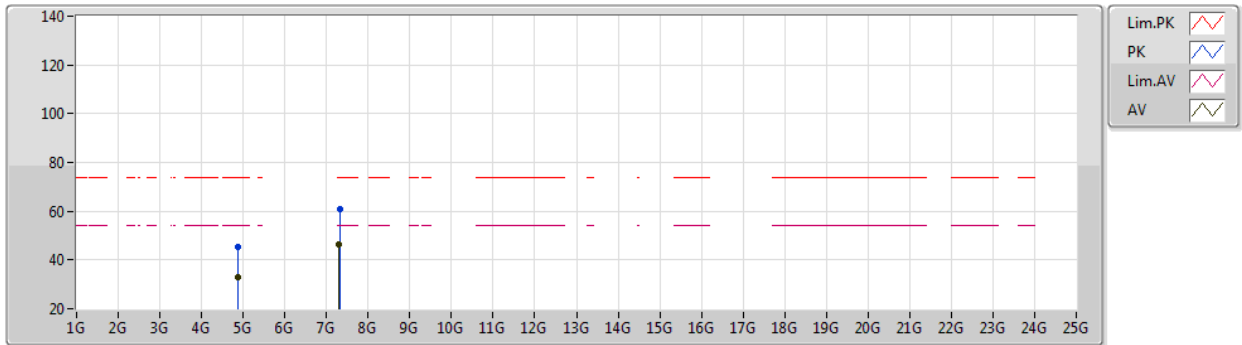
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PK	4.86544G	45.77	74.00	-28.23	42.90	3	Vertical	109	2.52	-	32.53	5.03	34.69
AV	4.86668G	32.72	54.00	-21.28	29.85	3	Vertical	109	2.52	-	32.53	5.03	34.69
PK	7.30968G	60.63	74.00	-13.37	51.88	3	Vertical	16	1.51	-	37.32	6.31	34.88
AV	7.30872G	46.67	54.00	-7.33	37.92	3	Vertical	16	1.51	-	37.32	6.31	34.88



802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



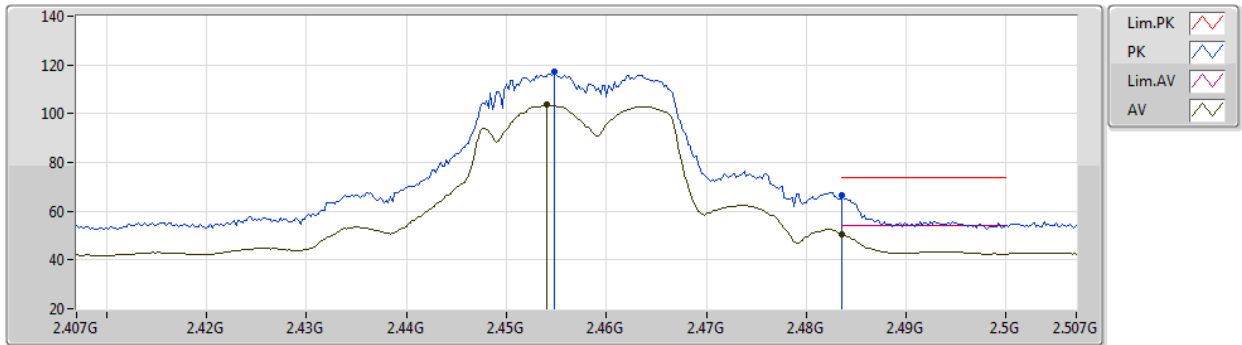
EUT Y_2TX
Setting 24
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87756G	45.35	74.00	-28.65	42.43	3	Horizontal	64	2.36	-	32.56	5.04	34.68
AV	4.86676G	32.80	54.00	-21.20	29.93	3	Horizontal	64	2.36	-	32.53	5.03	34.69
PK	7.31936G	60.97	74.00	-13.03	52.19	3	Horizontal	30	1.23	-	37.34	6.32	34.88
AV	7.3096G	46.56	54.00	-7.44	37.81	3	Horizontal	30	1.23	-	37.32	6.31	34.88

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2457MHz_TX



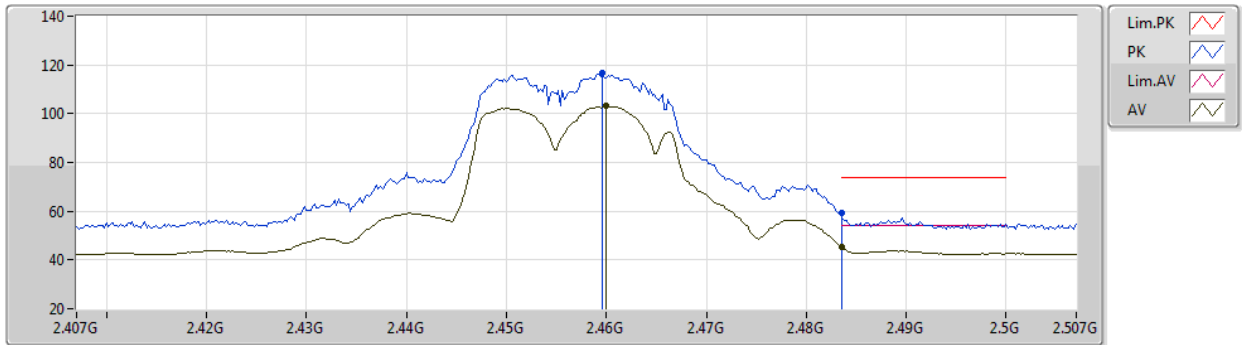
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4548G	117.22	Inf	-Inf	87.34	3	Vertical	303	2.58	-	27.63	2.25	-
AV	2.454G	103.66	Inf	-Inf	73.79	3	Vertical	303	2.58	-	27.62	2.25	-
PK	2.4836G	66.45	74.00	-7.55	36.37	3	Vertical	303	2.58	-	27.80	2.28	-
AV	2.4836G	50.57	54.00	-3.43	20.49	3	Vertical	303	2.58	-	27.80	2.28	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2457MHz_TX



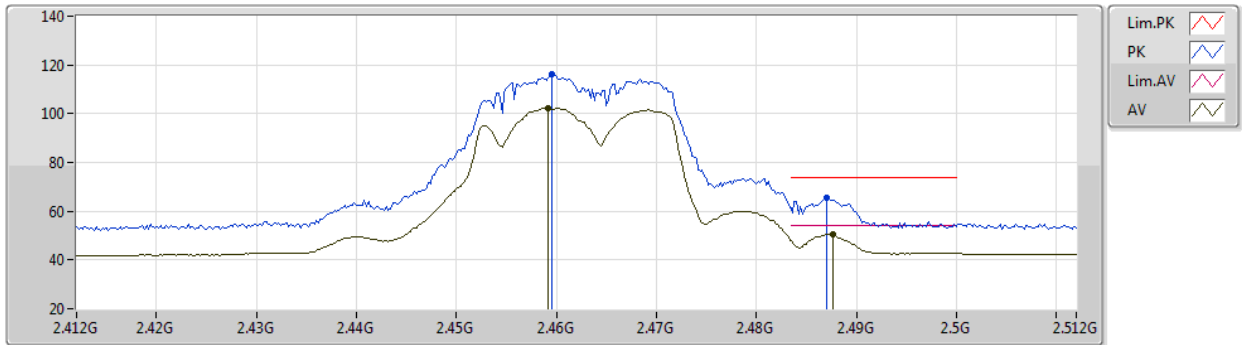
EUT Y_2TX
Setting 19.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4596G	116.50	Inf	-Inf	86.58	3	Horizontal	150	2.36	-	27.66	2.26	-
AV	2.46G	103.18	Inf	-Inf	73.26	3	Horizontal	150	2.36	-	27.66	2.26	-
PK	2.4835G	59.35	74.00	-14.65	29.27	3	Horizontal	150	2.36	-	27.80	2.28	-
AV	2.4835G	45.28	54.00	-8.72	15.20	3	Horizontal	150	2.36	-	27.80	2.28	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



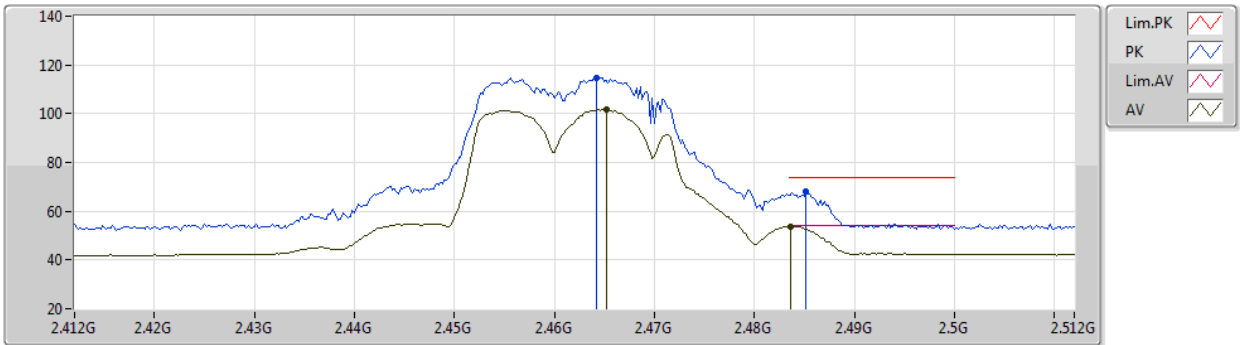
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4596G	116.29	Inf	-Inf	86.37	3	Vertical	305	2.68	-	27.66	2.26	-
AV	2.4592G	102.42	Inf	-Inf	72.50	3	Vertical	305	2.68	-	27.66	2.26	-
PK	2.487G	65.72	74.00	-8.28	35.61	3	Vertical	305	2.68	-	27.82	2.29	-
AV	2.4876G	50.45	54.00	-3.55	20.33	3	Vertical	305	2.68	-	27.83	2.29	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



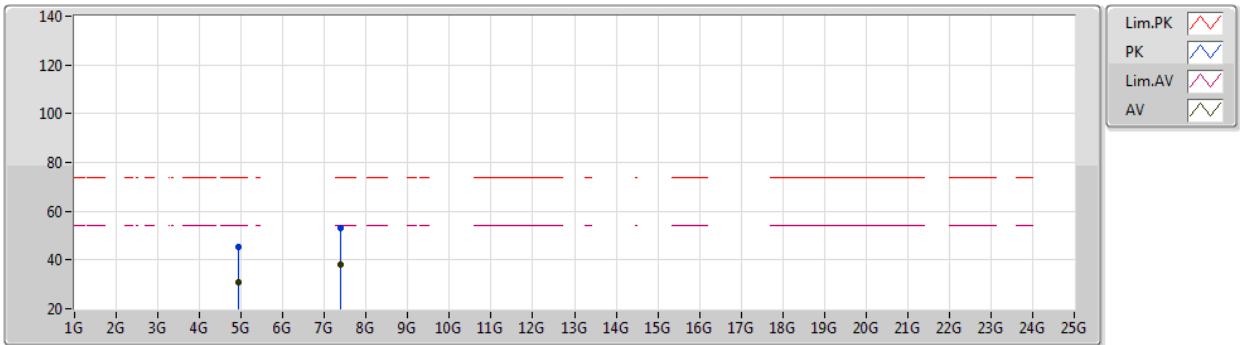
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4642G	114.80	Inf	-Inf	84.85	3	Horizontal	150	2.35	-	27.69	2.26	-
AV	2.4652G	101.91	Inf	-Inf	71.95	3	Horizontal	150	2.35	-	27.69	2.27	-
PK	2.4852G	68.06	74.00	-5.94	37.96	3	Horizontal	150	2.35	-	27.81	2.29	-
AV	2.4836G	53.71	54.00	-0.29	23.63	3	Horizontal	150	2.35	-	27.80	2.28	-

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



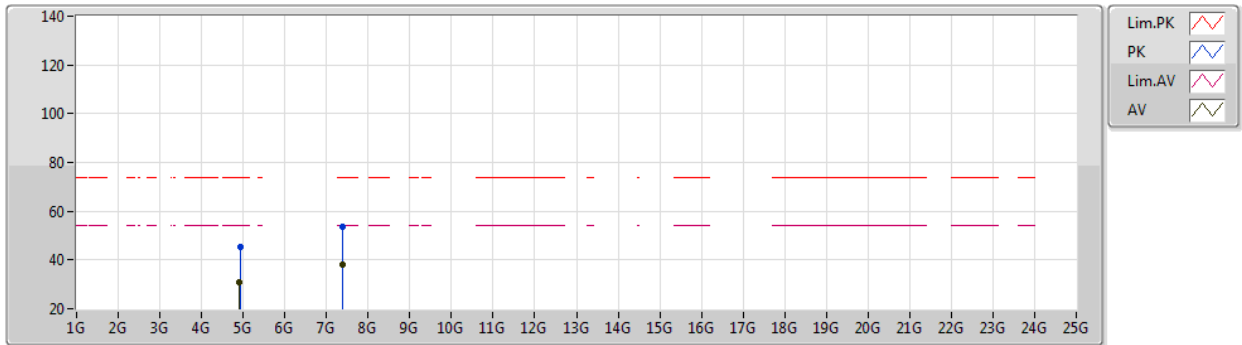
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92552G	45.27	74.00	-28.73	42.15	3	Vertical	85	1.43	-	32.70	5.06	34.64
AV	4.92296G	30.94	54.00	-23.06	27.83	3	Vertical	85	1.43	-	32.69	5.06	34.64
PK	7.38136G	53.08	74.00	-20.92	44.32	3	Vertical	284	1.32	-	37.27	6.38	34.89
AV	7.39272G	38.18	54.00	-15.82	29.46	3	Vertical	284	1.32	-	37.23	6.39	34.90

802.11ax HEW20_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



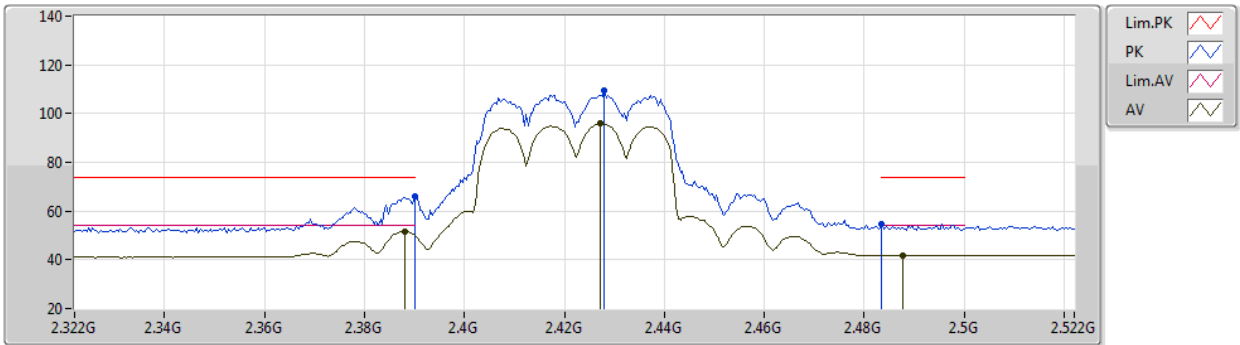
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9302G	45.19	74.00	-28.81	42.04	3	Horizontal	129	2.13	-	32.72	5.07	34.64
AV	4.91412G	30.91	54.00	-23.09	27.84	3	Horizontal	129	2.13	-	32.66	5.06	34.65
PK	7.38476G	53.37	74.00	-20.63	44.62	3	Horizontal	123	1.18	-	37.26	6.38	34.89
AV	7.39292G	38.16	54.00	-15.84	29.44	3	Horizontal	123	1.18	-	37.23	6.39	34.90

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2422MHz_TX



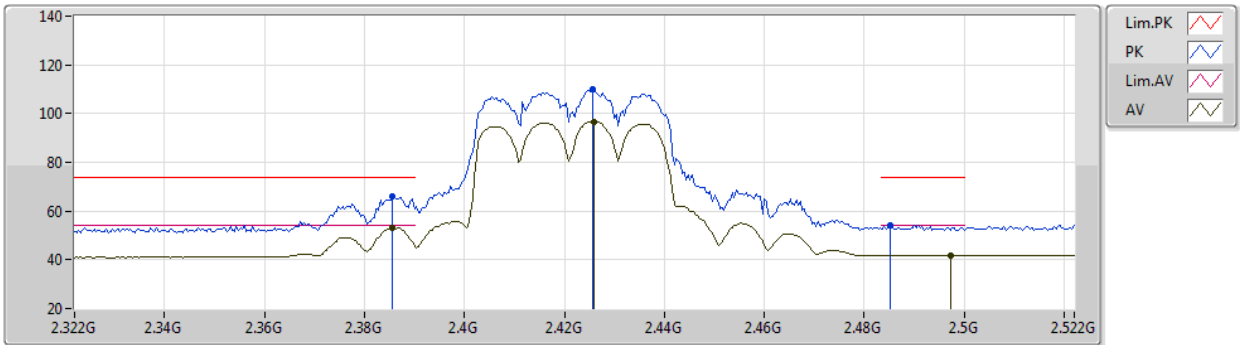
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	65.91	74.00	-8.09	36.26	3	Vertical	263	1.80	-	27.46	2.19	-
AV	2.388G	51.80	54.00	-2.20	22.16	3	Vertical	263	1.80	-	27.45	2.19	-
PK	2.428G	109.51	Inf	-Inf	79.72	3	Vertical	263	1.80	-	27.56	2.23	-
AV	2.4272G	95.82	Inf	-Inf	66.04	3	Vertical	263	1.80	-	27.55	2.23	-
PK	2.4835G	54.79	74.00	-19.21	24.71	3	Vertical	263	1.80	-	27.80	2.28	-
AV	2.4876G	41.91	54.00	-12.09	11.79	3	Vertical	263	1.80	-	27.83	2.29	-

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2422MHz_TX



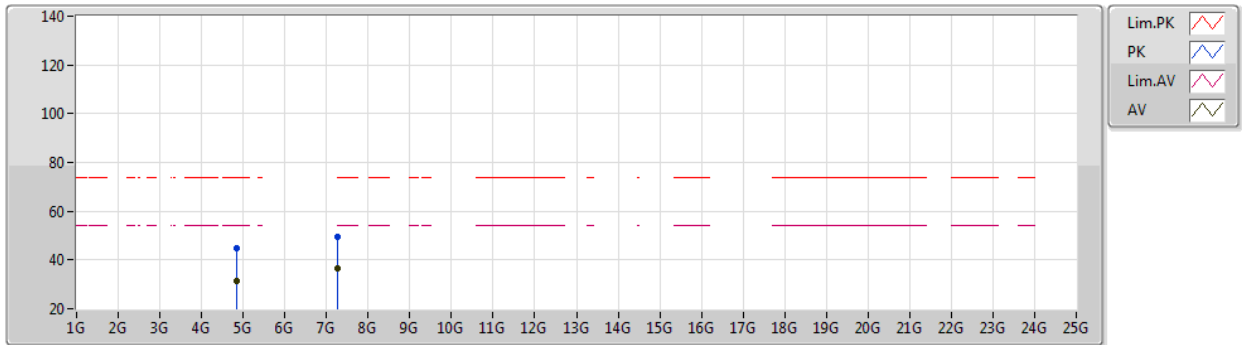
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3856G	65.91	74.00	-8.09	36.28	3	Horizontal	144	2.13	-	27.44	2.19	-
AV	2.3856G	53.19	54.00	-0.81	23.56	3	Horizontal	144	2.13	-	27.44	2.19	-
PK	2.4256G	110.09	Inf	-Inf	80.31	3	Horizontal	144	2.13	-	27.55	2.23	-
AV	2.426G	96.68	Inf	-Inf	66.90	3	Horizontal	144	2.13	-	27.55	2.23	-
PK	2.4852G	54.26	74.00	-19.74	24.16	3	Horizontal	144	2.13	-	27.81	2.29	-
AV	2.4972G	41.92	54.00	-12.08	11.74	3	Horizontal	144	2.13	-	27.88	2.30	-

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2422MHz_TX



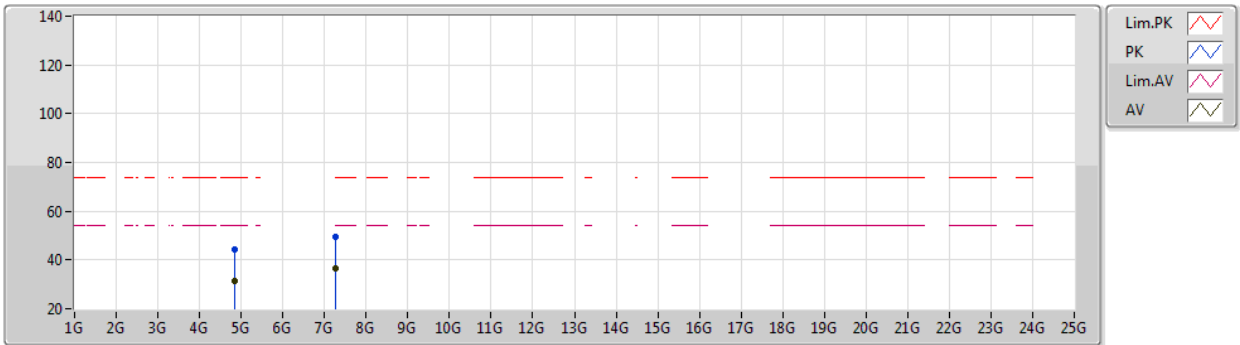
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84076G	44.89	74.00	-29.11	42.10	3	Vertical	354	2.56	-	32.48	5.02	34.71
AV	4.83632G	31.25	54.00	-22.75	28.47	3	Vertical	354	2.56	-	32.47	5.02	34.71
PK	7.26344G	49.59	74.00	-24.41	40.97	3	Vertical	105	1.49	-	37.23	6.26	34.87
AV	7.2732G	36.41	54.00	-17.59	27.76	3	Vertical	105	1.49	-	37.25	6.27	34.87

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2422MHz_TX



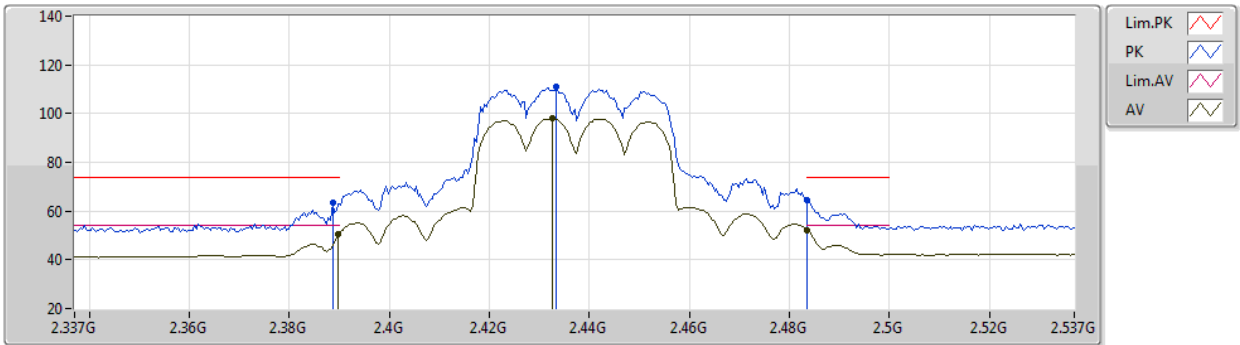
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84212G	44.42	74.00	-29.58	41.63	3	Horizontal	60	2.55	-	32.48	5.02	34.71
AV	4.84412G	31.27	54.00	-22.73	28.47	3	Horizontal	60	2.55	-	32.49	5.02	34.71
PK	7.2716G	49.56	74.00	-24.44	40.92	3	Horizontal	102	1.84	-	37.24	6.27	34.87
AV	7.27552G	36.47	54.00	-17.53	27.81	3	Horizontal	102	1.84	-	37.25	6.28	34.87

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



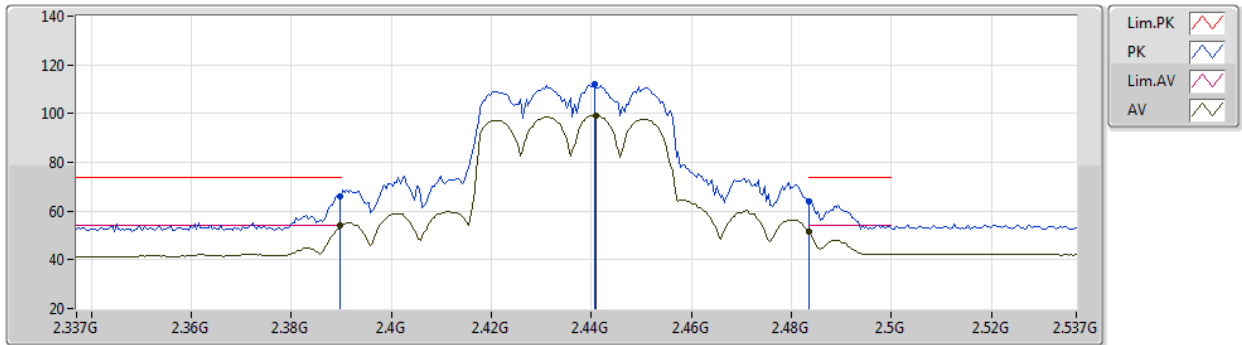
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3886G	63.22	74.00	-10.78	33.58	3	Vertical	264	1.78	-	27.45	2.19	-
AV	2.3898G	50.39	54.00	-3.61	20.74	3	Vertical	264	1.78	-	27.46	2.19	-
PK	2.4334G	111.20	Inf	-Inf	81.40	3	Vertical	264	1.78	-	27.57	2.23	-
AV	2.4326G	98.23	Inf	-Inf	68.43	3	Vertical	264	1.78	-	27.57	2.23	-
PK	2.4835G	64.50	74.00	-9.50	34.42	3	Vertical	264	1.78	-	27.80	2.28	-
AV	2.4835G	52.22	54.00	-1.78	22.14	3	Vertical	264	1.78	-	27.80	2.28	-

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



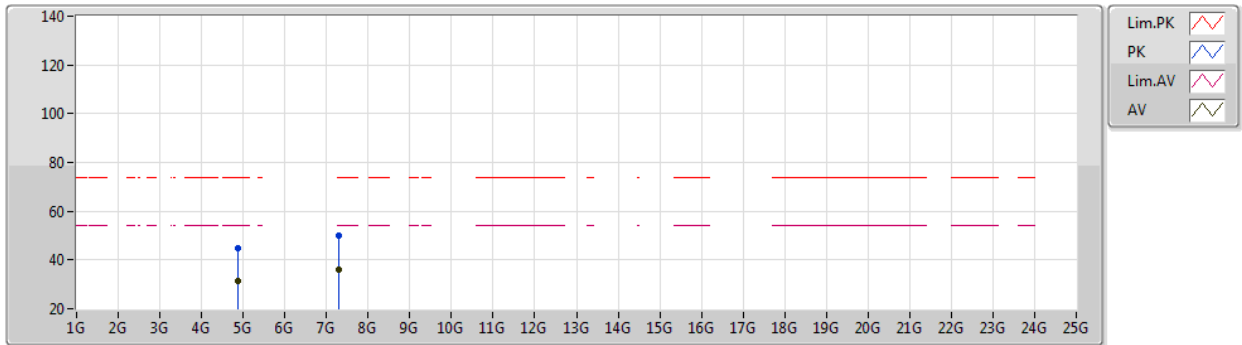
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	66.16	74.00	-7.84	36.51	3	Horizontal	142	2.05	-	27.46	2.19	-
AV	2.3898G	53.93	54.00	-0.07	24.28	3	Horizontal	142	2.05	-	27.46	2.19	-
PK	2.4406G	112.12	Inf	-Inf	82.30	3	Horizontal	142	2.05	-	27.58	2.24	-
AV	2.441G	99.31	Inf	-Inf	69.49	3	Horizontal	142	2.05	-	27.58	2.24	-
PK	2.4835G	63.73	74.00	-10.27	33.65	3	Horizontal	142	2.05	-	27.80	2.28	-
AV	2.4835G	51.44	54.00	-2.56	21.36	3	Horizontal	142	2.05	-	27.80	2.28	-

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



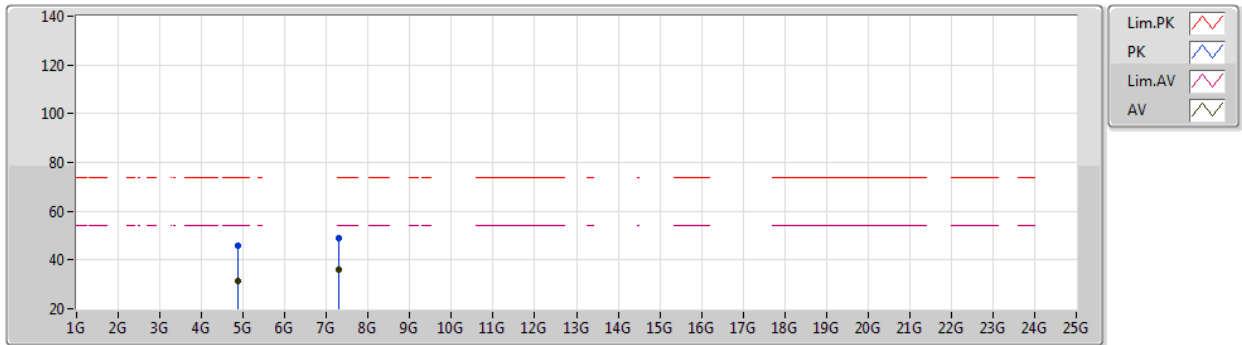
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8765G	45.08	74.00	-28.92	42.17	3	Vertical	14	1.50	-	32.55	5.04	34.68
AV	4.87486G	31.62	54.00	-22.38	28.71	3	Vertical	14	1.50	-	32.55	5.04	34.68
PK	7.3084G	49.95	74.00	-24.05	41.20	3	Vertical	258	2.08	-	37.32	6.31	34.88
AV	7.30886G	36.03	54.00	-17.97	27.28	3	Vertical	258	2.08	-	37.32	6.31	34.88

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



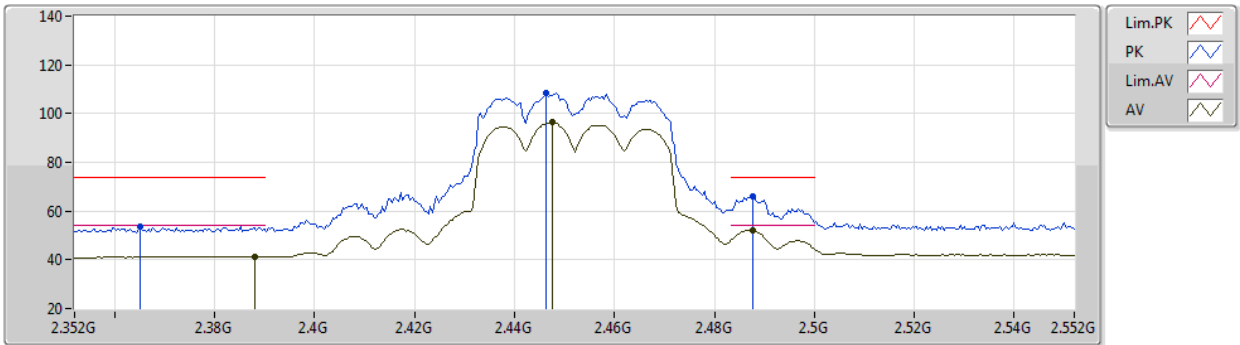
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87028G	45.68	74.00	-28.32	42.79	3	Horizontal	87	1.39	-	32.54	5.04	34.69
AV	4.86584G	31.37	54.00	-22.63	28.50	3	Horizontal	87	1.39	-	32.53	5.03	34.69
PK	7.30316G	49.15	74.00	-24.85	40.42	3	Horizontal	57	1.11	-	37.31	6.30	34.88
AV	7.3044G	36.16	54.00	-17.84	27.43	3	Horizontal	57	1.11	-	37.31	6.30	34.88

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2452MHz_TX



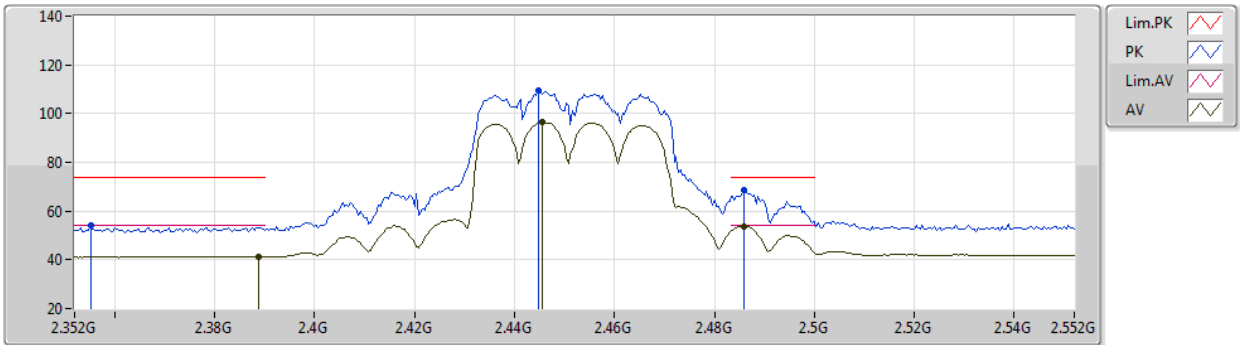
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3652G	53.72	74.00	-20.28	24.19	3	Vertical	257	2.10	-	27.36	2.17	-
AV	2.388G	41.40	54.00	-12.60	11.76	3	Vertical	257	2.10	-	27.45	2.19	-
PK	2.4464G	108.38	Inf	-Inf	78.54	3	Vertical	257	2.10	-	27.59	2.25	-
AV	2.4476G	96.33	Inf	-Inf	66.48	3	Vertical	257	2.10	-	27.60	2.25	-
PK	2.4876G	66.15	74.00	-7.85	36.03	3	Vertical	257	2.10	-	27.83	2.29	-
AV	2.4876G	52.13	54.00	-1.87	22.01	3	Vertical	257	2.10	-	27.83	2.29	-

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2452MHz_TX



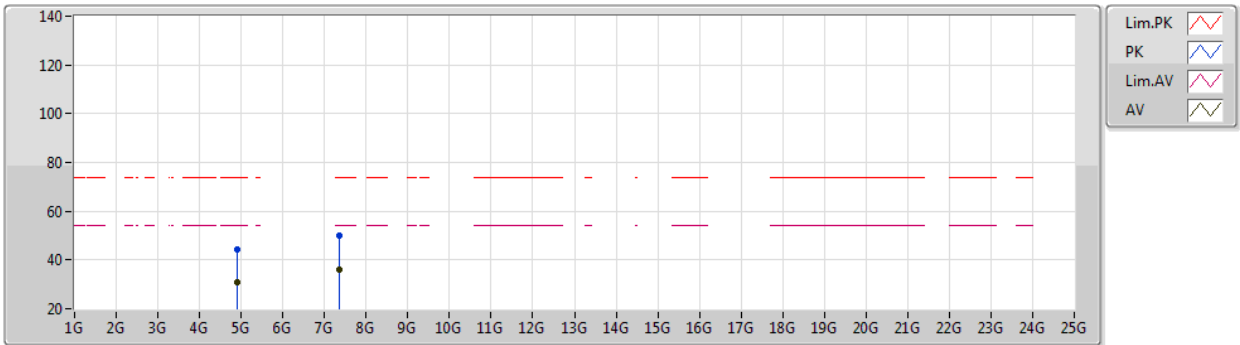
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3552G	54.05	74.00	-19.95	24.57	3	Horizontal	141	2.08	-	27.32	2.16	-
AV	2.3888G	41.45	54.00	-12.55	11.80	3	Horizontal	141	2.08	-	27.46	2.19	-
PK	2.4448G	109.38	Inf	-Inf	79.55	3	Horizontal	141	2.08	-	27.59	2.24	-
AV	2.4456G	96.70	Inf	-Inf	66.86	3	Horizontal	141	2.08	-	27.59	2.25	-
PK	2.486G	68.70	74.00	-5.30	38.59	3	Horizontal	141	2.08	-	27.82	2.29	-
AV	2.486G	53.81	54.00	-0.19	23.70	3	Horizontal	141	2.08	-	27.82	2.29	-

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2452MHz_TX



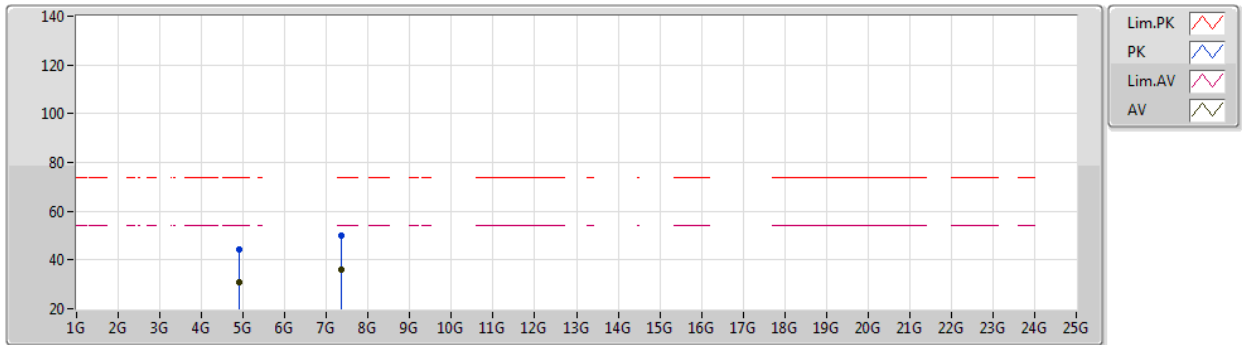
EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90666G	44.16	74.00	-29.84	41.14	3	Vertical	5	2.53	-	32.63	5.05	34.66
AV	4.90102G	30.72	54.00	-23.28	27.73	3	Vertical	5	2.53	-	32.60	5.05	34.66
PK	7.36036G	50.01	74.00	-23.99	41.18	3	Vertical	340	2.23	-	37.36	6.36	34.89
AV	7.35436G	36.22	54.00	-17.78	27.38	3	Vertical	340	2.23	-	37.38	6.35	34.89

802.11ax HEW40_Nss1,(MCS0)_2TX

07/10/2020

2452MHz_TX



EUT Y_2TX
Setting 15.5
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90192G	44.54	74.00	-29.46	41.54	3	Horizontal	328	1.69	-	32.61	5.05	34.66
AV	4.89962G	30.71	54.00	-23.29	27.72	3	Horizontal	328	1.69	-	32.60	5.05	34.66
PK	7.35802G	49.99	74.00	-24.01	41.15	3	Horizontal	273	1.47	-	37.37	6.36	34.89
AV	7.35598G	36.06	54.00	-17.94	27.21	3	Horizontal	273	1.47	-	37.38	6.36	34.89



For beamforming mode:

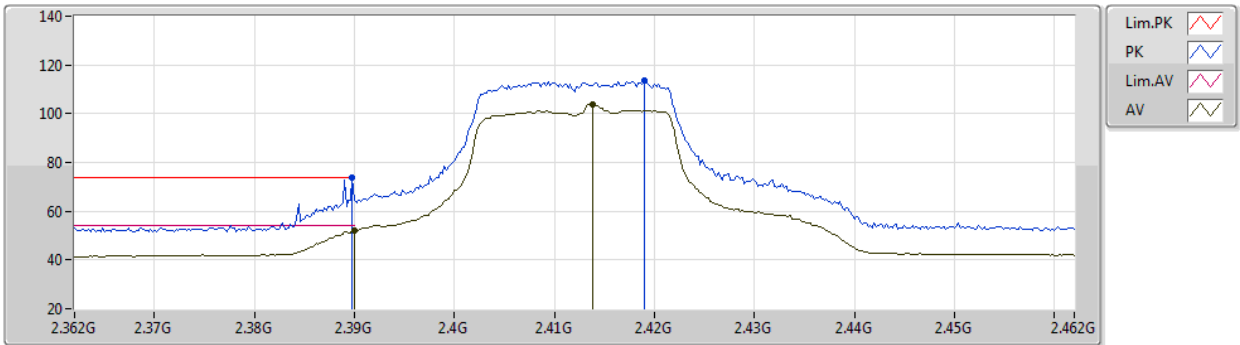
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.90	54.00	-0.10	3	Horizontal	144	1.80	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



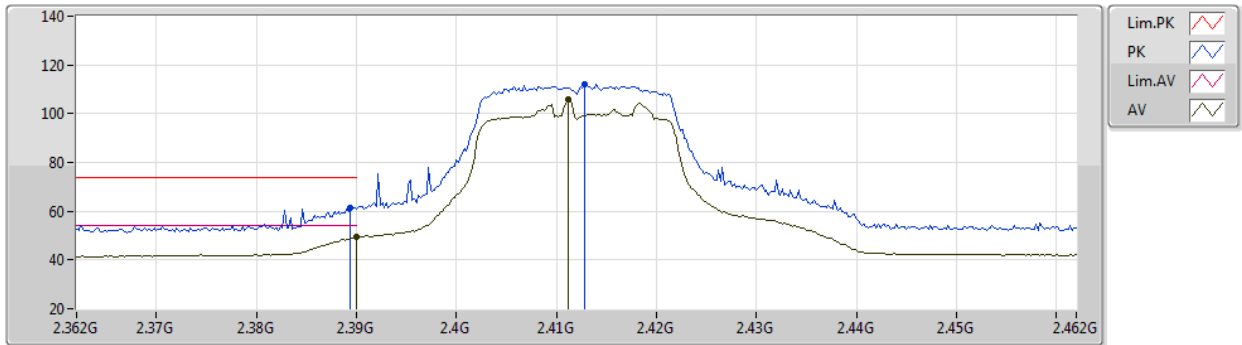
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	73.63	74.00	-0.37	43.98	3	Vertical	291	3.00	-	27.46	2.19	-
AV	2.39G	52.00	54.00	-2.00	22.35	3	Vertical	291	3.00	-	27.46	2.19	-
PK	2.419G	113.62	Inf	-Inf	83.86	3	Vertical	291	3.00	-	27.54	2.22	-
AV	2.4138G	104.03	Inf	-Inf	74.29	3	Vertical	291	3.00	-	27.53	2.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



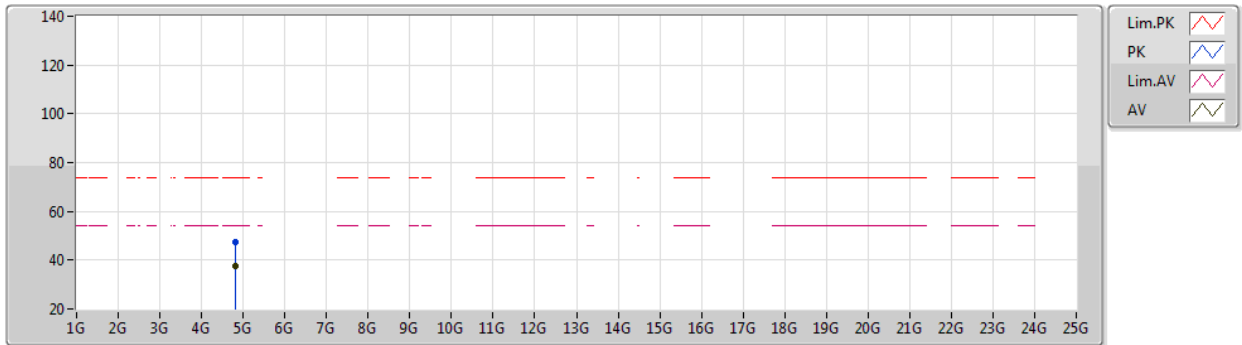
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	61.54	74.00	-12.46	31.89	3	Horizontal	312	2.45	-	27.46	2.19	-
AV	2.39G	49.41	54.00	-4.59	19.76	3	Horizontal	312	2.45	-	27.46	2.19	-
PK	2.4128G	112.28	Inf	-Inf	82.54	3	Horizontal	312	2.45	-	27.53	2.21	-
AV	2.4112G	105.87	Inf	-Inf	76.14	3	Horizontal	312	2.45	-	27.52	2.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



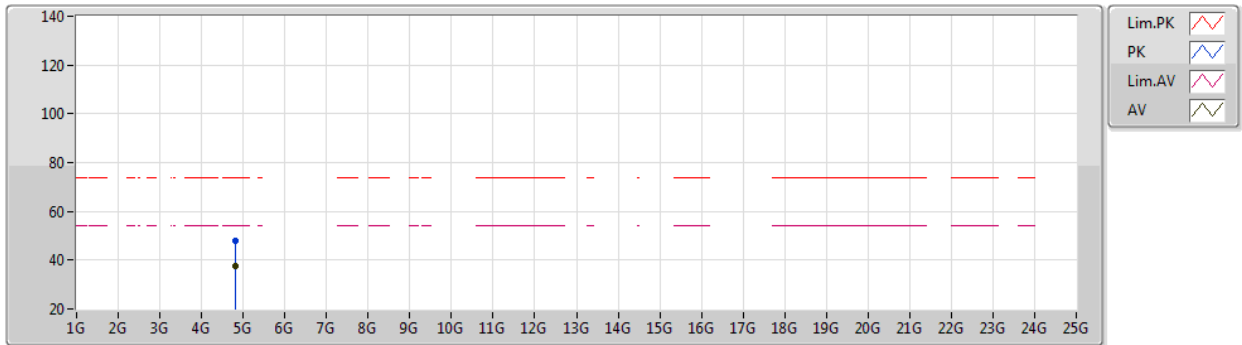
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82384G	47.31	74.00	-26.69	44.57	3	Vertical	0	1.80	-	32.45	5.01	34.72
AV	4.8238G	37.35	54.00	-16.65	34.61	3	Vertical	0	1.80	-	32.45	5.01	34.72

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2412MHz_TX



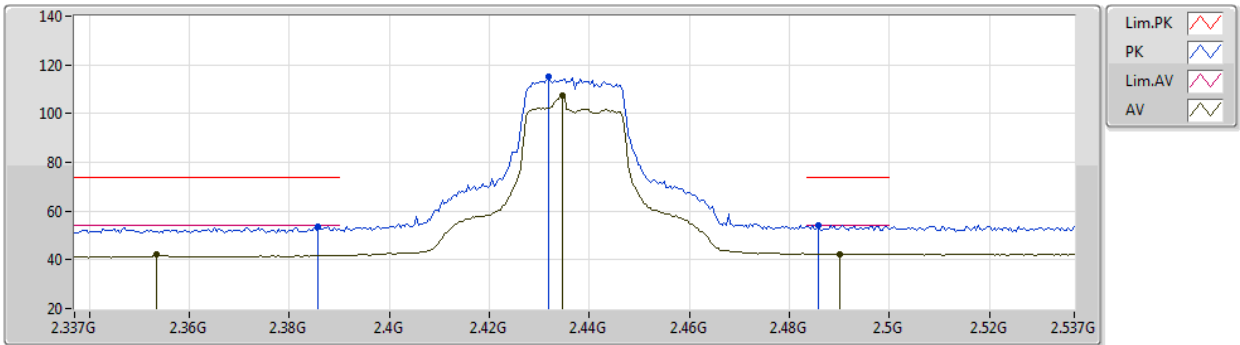
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Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82418G	47.99	74.00	-26.01	45.25	3	Horizontal	268	1.80	-	32.45	5.01	34.72
AV	4.82696G	37.80	54.00	-16.20	35.06	3	Horizontal	268	1.80	-	32.45	5.01	34.72

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



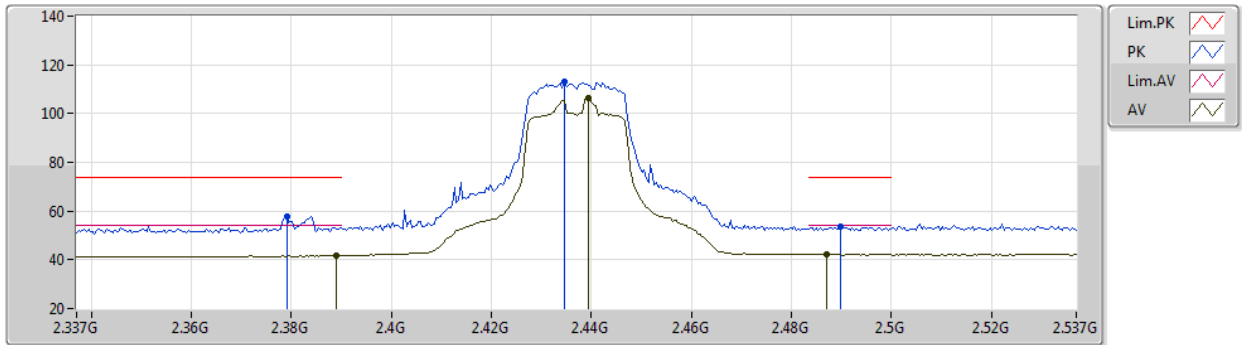
EUT Y_2TX
Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	53.62	74.00	-20.38	23.99	3	Vertical	321	3.00	-	27.44	2.19	-
AV	2.3534G	42.21	54.00	-11.79	12.75	3	Vertical	321	3.00	-	27.31	2.15	-
PK	2.4318G	115.17	Inf	-Inf	85.38	3	Vertical	321	3.00	-	27.56	2.23	-
AV	2.4346G	107.66	Inf	-Inf	77.86	3	Vertical	321	3.00	-	27.57	2.23	-
PK	2.4858G	54.20	74.00	-19.80	24.10	3	Vertical	321	3.00	-	27.81	2.29	-
AV	2.4902G	42.44	54.00	-11.56	12.31	3	Vertical	321	3.00	-	27.84	2.29	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



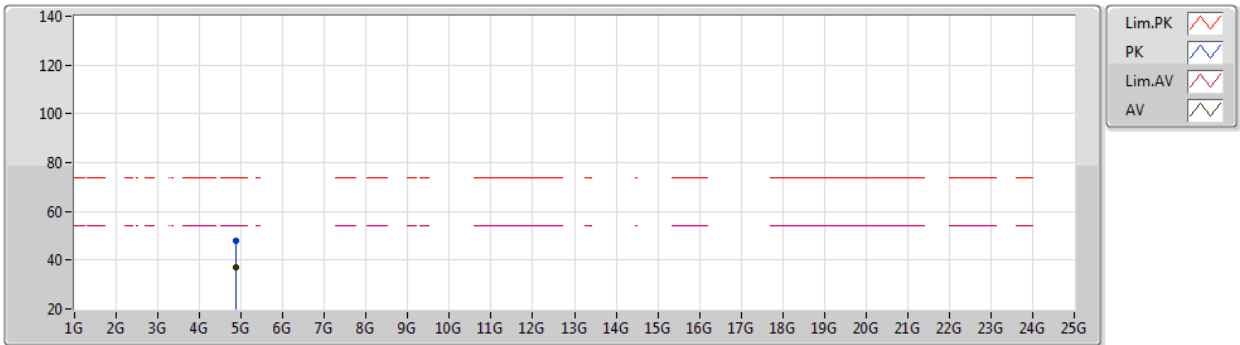
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Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.379G	57.56	74.00	-16.44	27.96	3	Horizontal	315	2.95	-	27.42	2.18	-
AV	2.389G	41.74	54.00	-12.26	12.09	3	Horizontal	315	2.95	-	27.46	2.19	-
PK	2.4346G	112.89	Inf	-Inf	83.09	3	Horizontal	315	2.95	-	27.57	2.23	-
AV	2.4394G	106.29	Inf	-Inf	76.47	3	Horizontal	315	2.95	-	27.58	2.24	-
PK	2.4898G	53.42	74.00	-20.58	23.29	3	Horizontal	315	2.95	-	27.84	2.29	-
AV	2.487G	42.30	54.00	-11.70	12.19	3	Horizontal	315	2.95	-	27.82	2.29	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



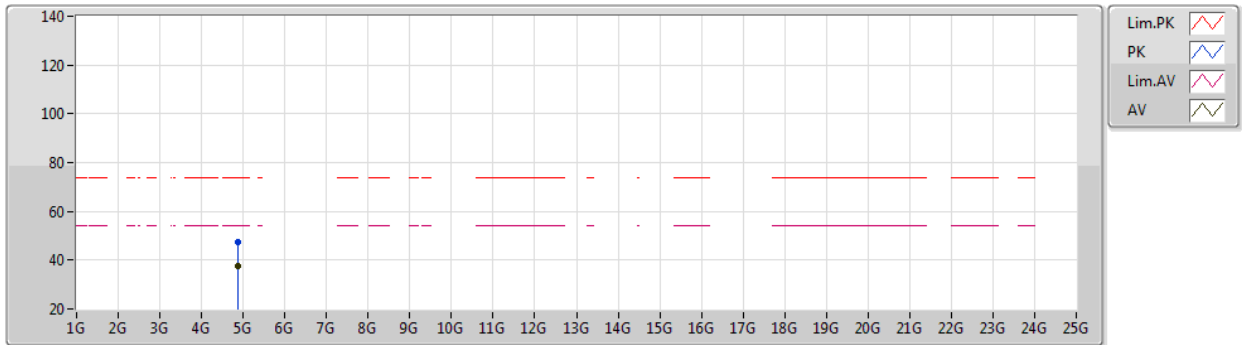
EUT Y_2TX
Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8724G	47.83	74.00	-26.17	44.93	3	Vertical	42	1.79	-	32.54	5.04	34.68
AV	4.87688G	37.22	54.00	-16.78	34.31	3	Vertical	42	1.79	-	32.55	5.04	34.68

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



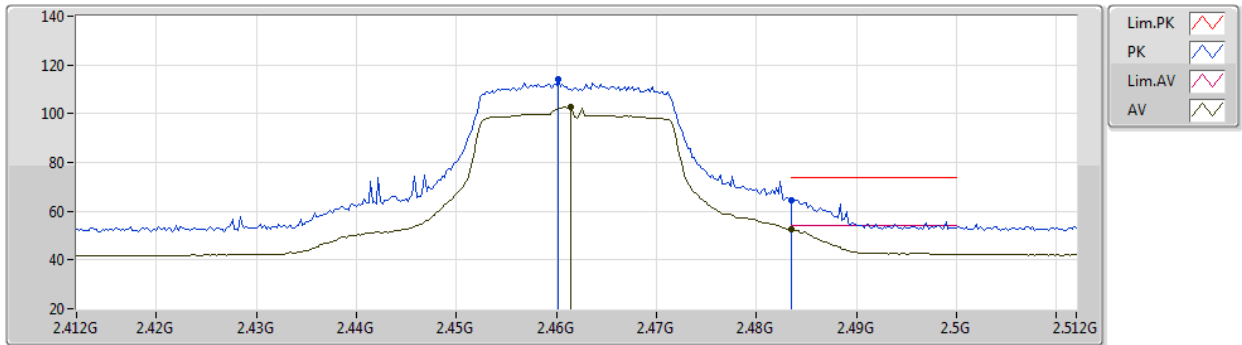
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Setting 23
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8731G	47.55	74.00	-26.45	44.64	3	Horizontal	353	2.39	-	32.55	5.04	34.68
AV	4.87872G	37.75	54.00	-16.25	34.83	3	Horizontal	353	2.39	-	32.56	5.04	34.68

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



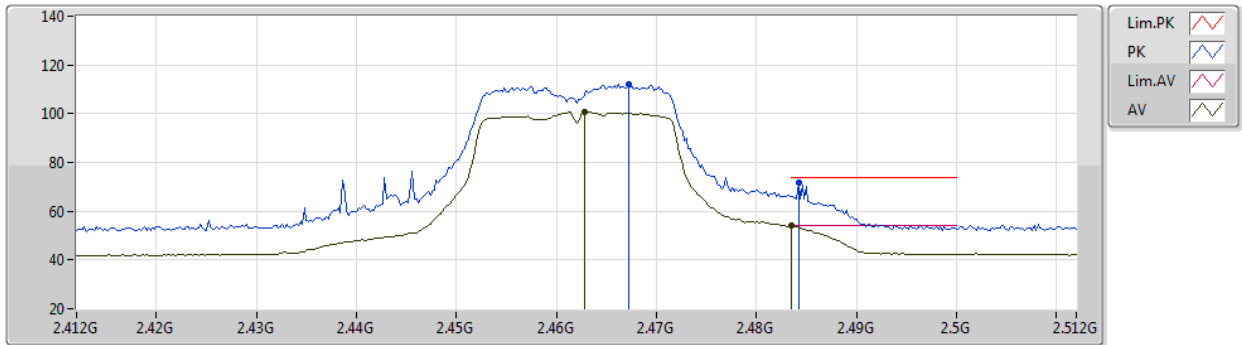
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4602G	113.98	Inf	-Inf	84.06	3	Vertical	37	2.84	-	27.66	2.26	-
AV	2.4614G	102.83	Inf	-Inf	72.90	3	Vertical	37	2.84	-	27.67	2.26	-
PK	2.4835G	64.44	74.00	-9.56	34.36	3	Vertical	37	2.84	-	27.80	2.28	-
AV	2.4835G	52.48	54.00	-1.52	22.40	3	Vertical	37	2.84	-	27.80	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



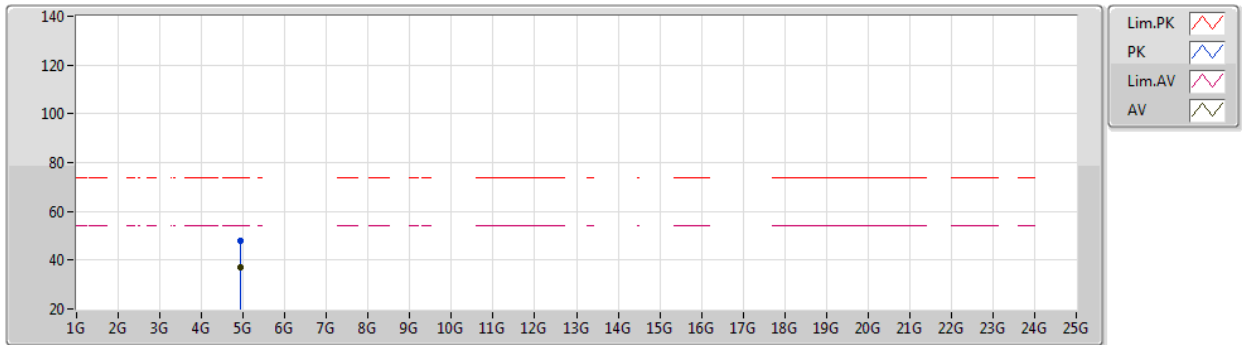
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4672G	112.22	Inf	-Inf	82.25	3	Horizontal	144	1.80	-	27.70	2.27	-
AV	2.4628G	100.83	Inf	-Inf	70.89	3	Horizontal	144	1.80	-	27.68	2.26	-
PK	2.4842G	71.76	74.00	-2.24	41.67	3	Horizontal	144	1.80	-	27.81	2.28	-
AV	2.4835G	53.90	54.00	-0.10	23.82	3	Horizontal	144	1.80	-	27.80	2.28	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

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2462MHz_TX



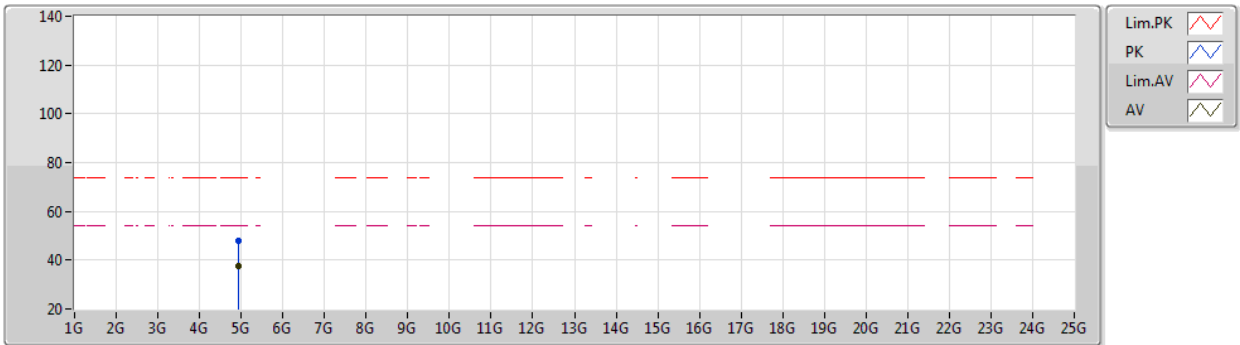
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.9199G	47.75	74.00	-26.25	44.66	3	Vertical	218	1.89	-	32.68	5.06	34.65
AV	4.92014G	37.05	54.00	-16.95	33.96	3	Vertical	218	1.89	-	32.68	5.06	34.65

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

07/10/2020

2462MHz_TX



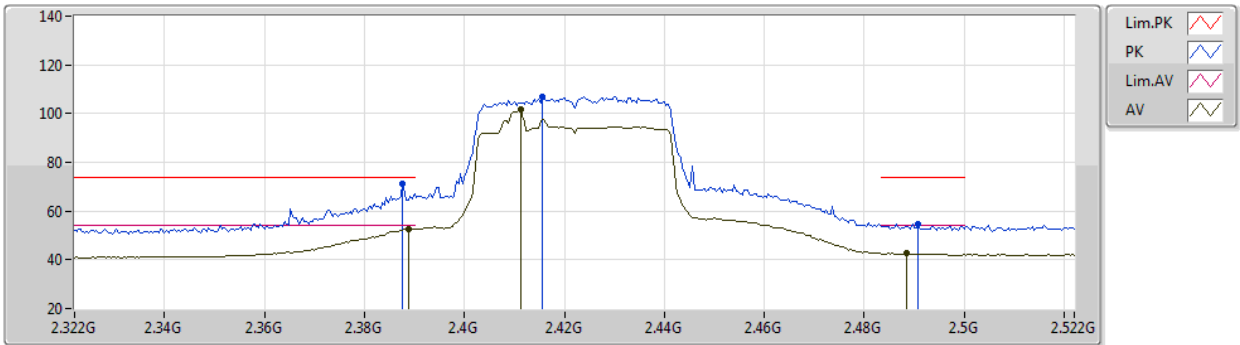
EUT Y_2TX
Setting 21
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92012G	47.86	74.00	-26.14	44.77	3	Horizontal	112	1.73	-	32.68	5.06	34.65
AV	4.92388G	37.56	54.00	-16.44	34.44	3	Horizontal	112	1.73	-	32.70	5.06	34.64

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2422MHz_TX



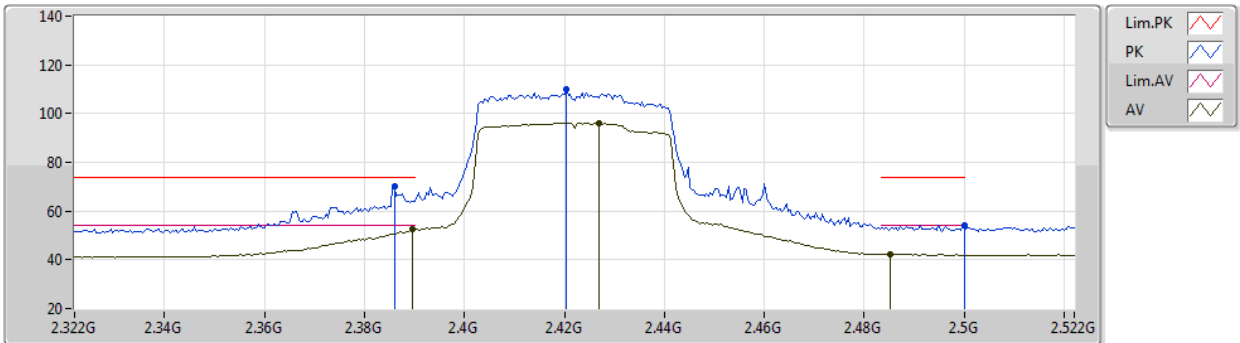
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3876G	71.35	74.00	-2.65	41.71	3	Vertical	306	1.99	-	27.45	2.19	-
AV	2.3888G	52.80	54.00	-1.20	23.15	3	Vertical	306	1.99	-	27.46	2.19	-
PK	2.4156G	106.94	Inf	-Inf	77.19	3	Vertical	306	1.99	-	27.53	2.22	-
AV	2.4112G	101.74	Inf	-Inf	72.01	3	Vertical	306	1.99	-	27.52	2.21	-
PK	2.4908G	54.81	74.00	-19.19	24.68	3	Vertical	306	1.99	-	27.84	2.29	-
AV	2.4884G	42.58	54.00	-11.42	12.46	3	Vertical	306	1.99	-	27.83	2.29	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2422MHz_TX



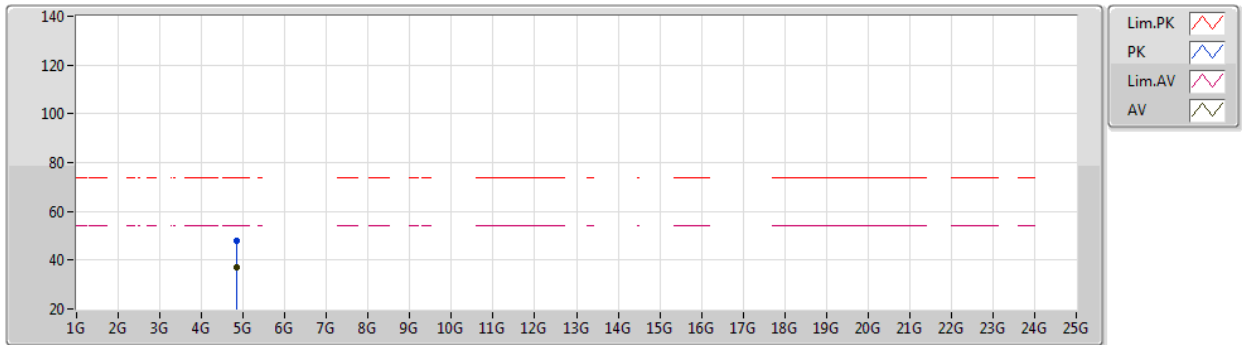
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	70.17	74.00	-3.83	40.54	3	Horizontal	137	2.09	-	27.44	2.19	-
AV	2.3896G	52.75	54.00	-1.25	23.10	3	Horizontal	137	2.09	-	27.46	2.19	-
PK	2.4204G	110.16	Inf	-Inf	80.40	3	Horizontal	137	2.09	-	27.54	2.22	-
AV	2.4268G	96.04	Inf	-Inf	66.26	3	Horizontal	137	2.09	-	27.55	2.23	-
PK	2.5G	54.16	74.00	-19.84	23.96	3	Horizontal	137	2.09	-	27.90	2.30	-
AV	2.4852G	42.27	54.00	-11.73	12.17	3	Horizontal	137	2.09	-	27.81	2.29	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2422MHz_TX



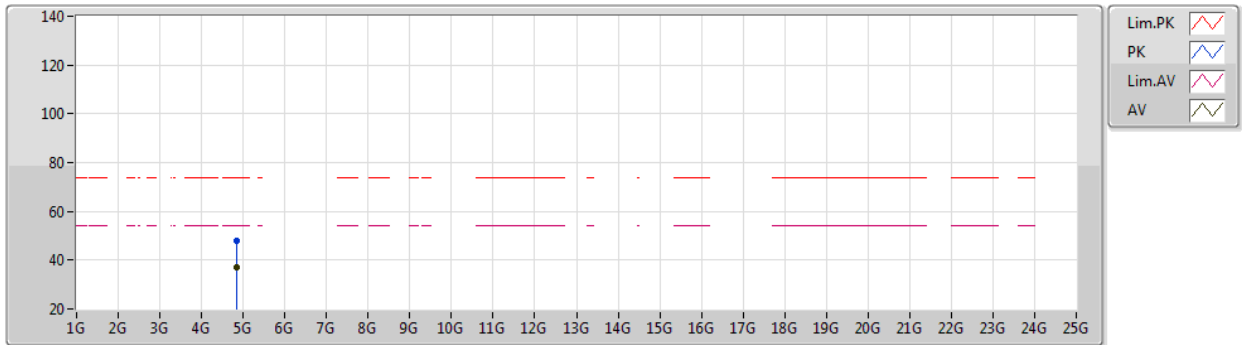
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.83922G	47.84	74.00	-26.16	45.05	3	Vertical	128	1.66	-	32.48	5.02	34.71
AV	4.84372G	37.03	54.00	-16.97	34.23	3	Vertical	128	1.66	-	32.49	5.02	34.71

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

07/10/2020

2422MHz_TX



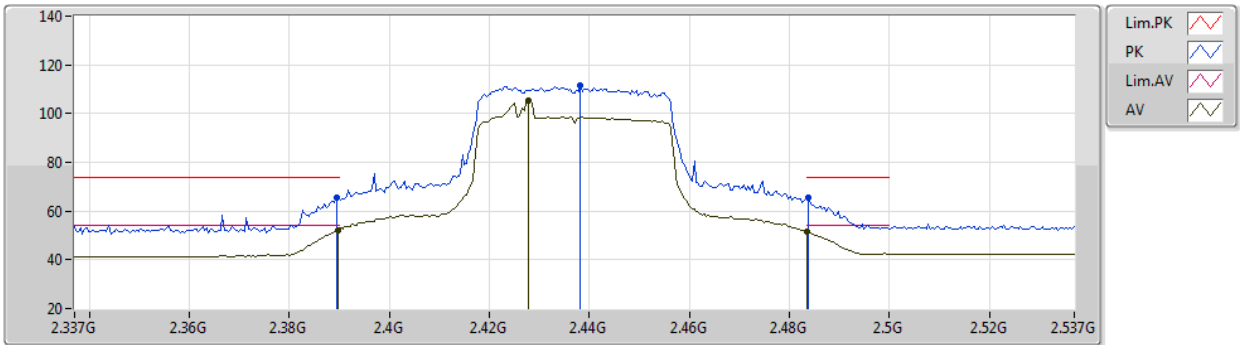
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84008G	47.89	74.00	-26.11	45.10	3	Horizontal	290	1.21	-	32.48	5.02	34.71
AV	4.84086G	37.04	54.00	-16.96	34.25	3	Horizontal	290	1.21	-	32.48	5.02	34.71

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2437MHz_TX



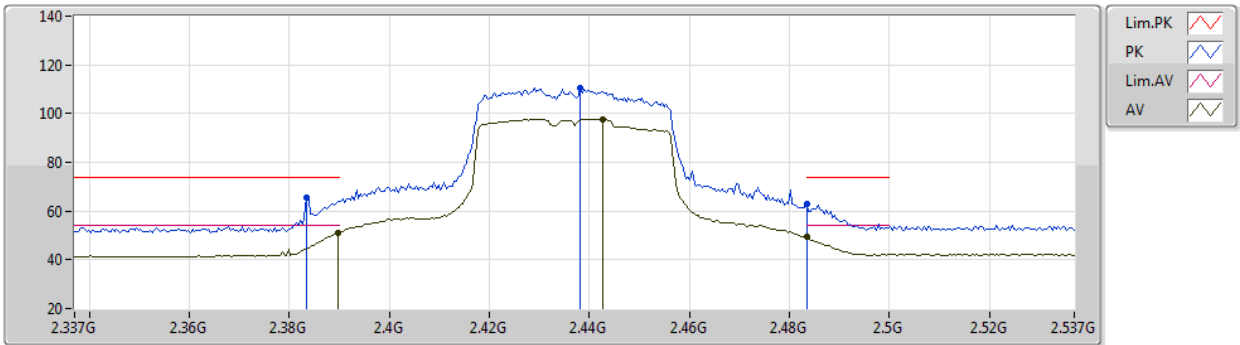
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	65.47	74.00	-8.53	35.82	3	Vertical	302	2.42	-	27.46	2.19	-
AV	2.3898G	52.12	54.00	-1.88	22.47	3	Vertical	302	2.42	-	27.46	2.19	-
PK	2.4382G	111.39	Inf	-Inf	81.57	3	Vertical	302	2.42	-	27.58	2.24	-
AV	2.4278G	105.12	Inf	-Inf	75.33	3	Vertical	302	2.42	-	27.56	2.23	-
PK	2.4838G	65.51	74.00	-8.49	35.43	3	Vertical	302	2.42	-	27.80	2.28	-
AV	2.4835G	51.79	54.00	-2.21	21.71	3	Vertical	302	2.42	-	27.80	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



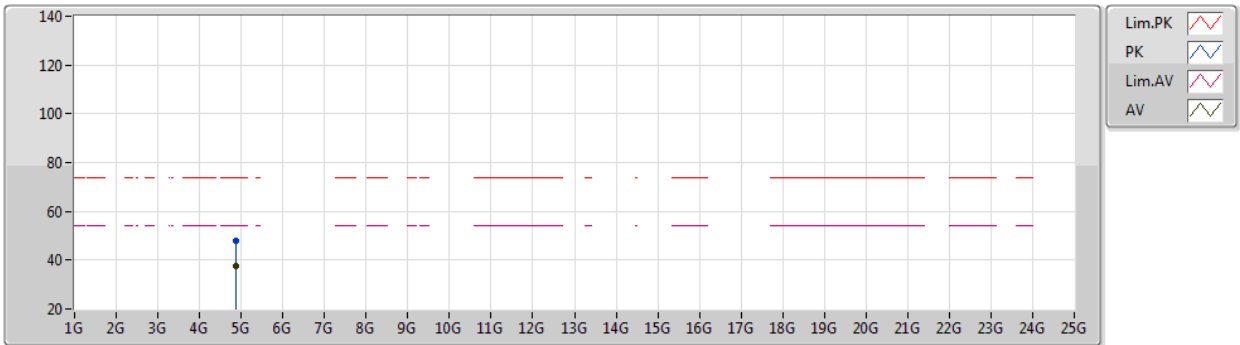
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3834G	65.72	74.00	-8.28	36.11	3	Horizontal	139	1.80	-	27.43	2.18	-
AV	2.3898G	51.16	54.00	-2.84	21.51	3	Horizontal	139	1.80	-	27.46	2.19	-
PK	2.4382G	110.68	Inf	-Inf	80.86	3	Horizontal	139	1.80	-	27.58	2.24	-
AV	2.4426G	97.78	Inf	-Inf	67.95	3	Horizontal	139	1.80	-	27.59	2.24	-
PK	2.4835G	62.70	74.00	-11.30	32.62	3	Horizontal	139	1.80	-	27.80	2.28	-
AV	2.4835G	49.27	54.00	-4.73	19.19	3	Horizontal	139	1.80	-	27.80	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

07/10/2020

2437MHz_TX



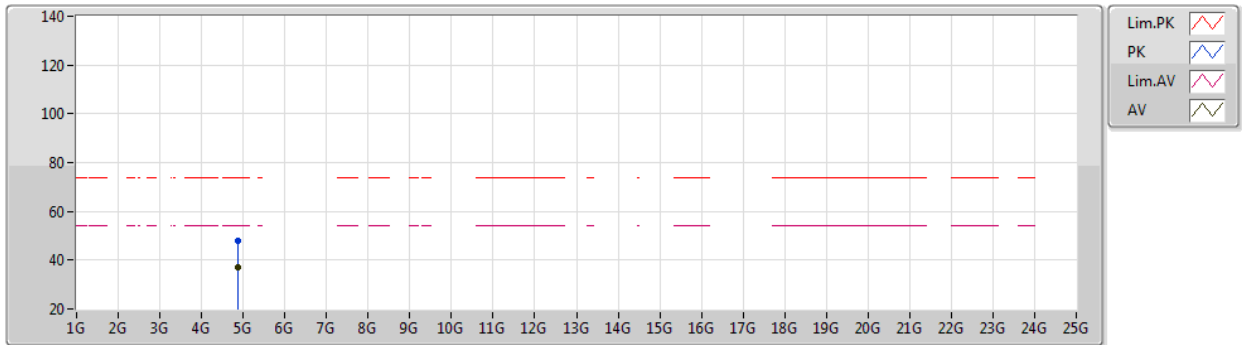
EUT Y_2TX
Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87062G	47.91	74.00	-26.09	45.02	3	Vertical	67	1.89	-	32.54	5.04	34.69
AV	4.87876G	37.56	54.00	-16.44	34.64	3	Vertical	67	1.89	-	32.56	5.04	34.68

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2437MHz_TX



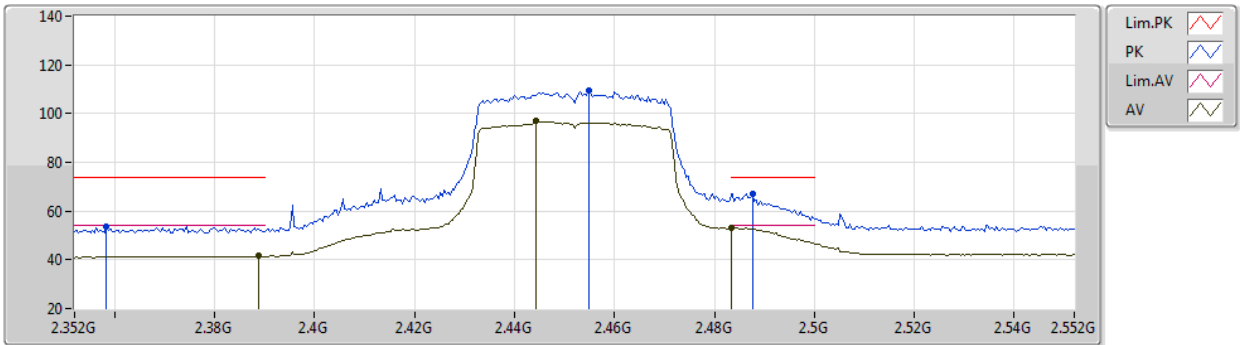
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Setting 20
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87326G	47.72	74.00	-26.28	44.81	3	Horizontal	302	1.43	-	32.55	5.04	34.68
AV	4.8789G	37.30	54.00	-16.70	34.38	3	Horizontal	302	1.43	-	32.56	5.04	34.68

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2452MHz_TX



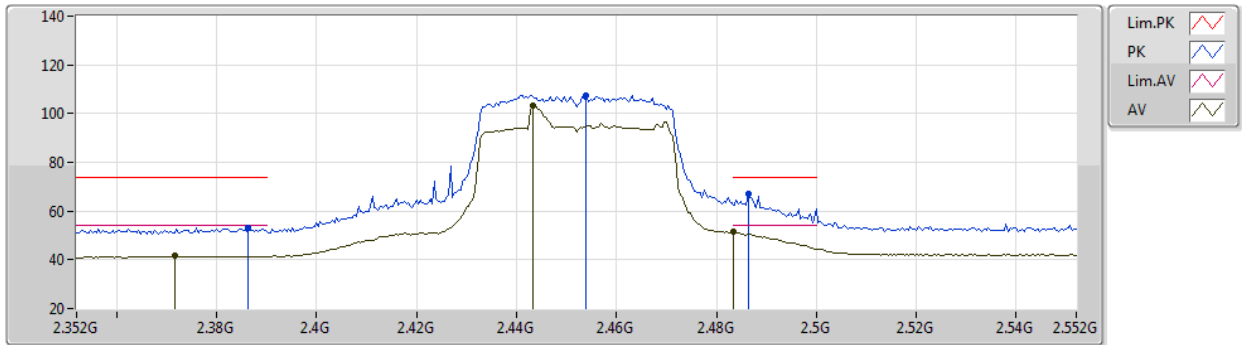
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3584G	53.62	74.00	-20.38	24.13	3	Vertical	302	2.64	-	27.33	2.16	-
AV	2.3888G	41.66	54.00	-12.34	12.01	3	Vertical	302	2.64	-	27.46	2.19	-
PK	2.4548G	109.26	Inf	-Inf	79.38	3	Vertical	302	2.64	-	27.63	2.25	-
AV	2.4444G	96.82	Inf	-Inf	66.99	3	Vertical	302	2.64	-	27.59	2.24	-
PK	2.4876G	67.32	74.00	-6.68	37.20	3	Vertical	302	2.64	-	27.83	2.29	-
AV	2.4835G	52.90	54.00	-1.10	22.82	3	Vertical	302	2.64	-	27.80	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

07/10/2020

2452MHz_TX



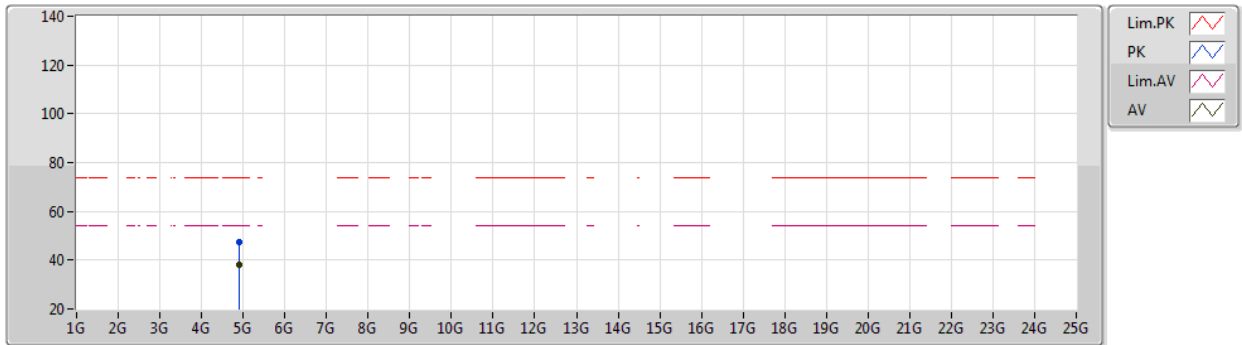
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3864G	53.20	74.00	-20.80	23.56	3	Horizontal	314	2.45	-	27.45	2.19	-
AV	2.3716G	41.54	54.00	-12.46	11.98	3	Horizontal	314	2.45	-	27.39	2.17	-
PK	2.454G	107.49	Inf	-Inf	77.62	3	Horizontal	314	2.45	-	27.62	2.25	-
AV	2.4432G	103.14	Inf	-Inf	73.31	3	Horizontal	314	2.45	-	27.59	2.24	-
PK	2.4864G	66.82	74.00	-7.18	36.71	3	Horizontal	314	2.45	-	27.82	2.29	-
AV	2.4835G	51.40	54.00	-2.60	21.32	3	Horizontal	314	2.45	-	27.80	2.28	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

07/10/2020

2452MHz_TX



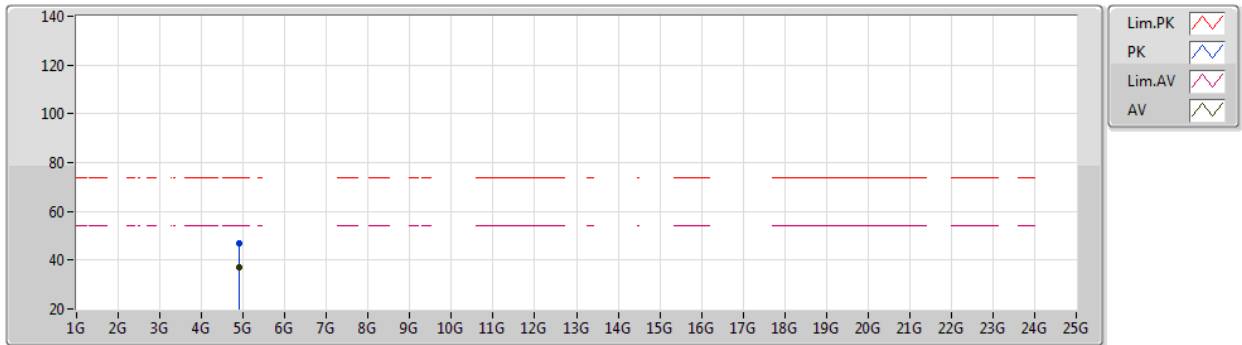
EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90134G	47.21	74.00	-26.79	44.21	3	Vertical	80	2.50	-	32.61	5.05	34.66
AV	4.9088G	37.93	54.00	-16.07	34.89	3	Vertical	80	2.50	-	32.64	5.05	34.65

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2452MHz_TX



EUT Y_2TX
Setting 18
01-A-G-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8998G	47.00	74.00	-27.00	44.01	3	Horizontal	113	1.42	-	32.60	5.05	34.66
AV	4.90862G	37.31	54.00	-16.69	34.28	3	Horizontal	113	1.42	-	32.63	5.05	34.65