



FCC RADIO TEST REPORT

FCC ID : QXO-AP302W
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP302W
Applicant : Extreme Networks, Inc.
6480 Via Del Oro, San Jose, CA 95119
Manufacturer : Extreme Networks, Inc.
6480 Via Del Oro, San Jose, CA 95119
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 09, 2020, and testing was started from Sep. 10, 2020 and completed on Oct. 19, 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: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.2

Page Number : 3 of 39
Issued Date : Nov. 18, 2020
Report Version : 01



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:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen**Report Producer: Viola Huang**



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1, 2
2.4-2.4835GHz	802.11g	20	1, 2
2.4-2.4835GHz	802.11n HT20	20	1, 2
2.4-2.4835GHz	802.11n HT20-BF	20	2
2.4-2.4835GHz	VHT20	20	1, 2
2.4-2.4835GHz	VHT20-BF	20	2
2.4-2.4835GHz	802.11ax HEW20	20	1, 2
2.4-2.4835GHz	802.11ax HEW20-BF	20	2
2.4-2.4835GHz	802.11n HT40	40	1, 2
2.4-2.4835GHz	802.11n HT40-BF	40	2
2.4-2.4835GHz	VHT40	40	1, 2
2.4-2.4835GHz	VHT40-BF	40	2
2.4-2.4835GHz	802.11ax HEW40	40	1, 2
2.4-2.4835GHz	802.11ax HEW40-BF	40	2

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

Set.	Ant.	2.4G Port	5G Port	Bluetooth & IEEE802.15.4 (Zigbee/Thread) Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	1	1	-	WNC	XKAN-N04	Printed Antenna	I-PEX	Note1
	2	2	2	-	WNC	XKAN-N04	Printed Antenna	I-PEX	
	3	-	2	1	WNC	XKAN-N04	Printed Antenna	I-PEX	
	4	-	1	-	WNC	XKAN-N04	Printed Antenna	I-PEX	

Note1:

Set.	Ant.	2.4G Port	5G Port	Bluetooth & IEEE802.15.4 (Zigbee/Thread) Port	Gain (dBi)		
					2.4GHz	5GHz	Bluetooth & IEEE802.15.4 (Zigbee/Thread)
1	1	1	1	-	4.5	6.0	-
	2	2	2	-	4.5	6.0	-
	3	-	2	1	-	6.6	4.8
	4	-	1	-	-	6.6	-

Note2: The above information was declared by manufacturer.

Dual Band Radio

<For 2.4GHz Band>

For IEEE 802.11b/g/n/VHT/ax mode (1TX/2RX):

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 1 generated the worst case than Port 2, so it is tested and recorded in the report.

For IEEE 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 Band>

For IEEE 802.11a/n/ac/ax mode (1TX/2RX):

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 1 generated the worst case than Port 2, so it is tested and recorded in the report.

**For IEEE 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.

5G Radio**<For 5GHz Band>****For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**

The EUT supports 1TX/2RX function, and it supports TX diversity function.

Both Port 1 and Port 2 could be used as transmitting antenna, but only one of them will be used at one time. Port 1 and Port 2 could receive simultaneously.

For TX function: Port 2 generated the worst case than Port 1, so it is tested and recorded in the report.

For IEEE 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.

BLE/IEEE802.15.4 (Zigbee/Thread) Radio**For Bluetooth & IEEE802.15.4 (Zigbee/Thread) mode (1TX/1RX):**

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

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.952	0.21	12.425m	100
802.11g	0.951	0.22	2.075m	1k
802.11ax HEW20	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.907	0.42	1.65m	1k
802.11ax HEW40	0.964	0.16	782.5u	3k
802.11ax HEW40-BF	0.926	0.33	3.212m	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
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	accessMTool_3.1.0.3			

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT Support Function

Radio	Function		
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth & IEEE802.15.4 (Zigbee/Thread)
Dual Band Radio	V	V	-
5G Radio	-	V	-
BLE/IEEE802.15.4 (Zigbee/Thread) Radio	-	-	V

Function	Support Type	Support Band
AP	Master	WLAN 2.4GHz/Bluetooth/IEEE802.15.4(Zigbee/Thread)/WLAN 5GHz Band 1~4
Bridge	Master	WLAN 2.4GHz/Bluetooth/IEEE802.15.4(Zigbee/Thread)/WLAN 5GHz Band 1+4
Mesh	Master	WLAN 2.4GHz/Bluetooth/IEEE802.15.4(Zigbee/Thread)/WLAN 5GHz Band 1+4

Note:

1. The above information was declared by manufacturer.
2. The EUT has three functions which are AP, Bridge, and Mesh mode, only the AP mode was tested and recorded in this test report.



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	TH02-CB	Owen Hsu	23.2~23.8°C / 54~58%	Oct. 05, 2020 ~ Oct. 19, 2020
Radiated below 1GHz	03CH05-CB	Brian Sun	23.1~23.6°C / 54~58%	Sep. 25, 2020
Radiated above 1GHz (For non beamforming mode)	03CH04-CB	Paul Chen	24.9~25.4°C / 53~58% 24.6~25.1°C / 53~58%	Sep. 25, 2020 ~ Oct. 15, 2020
	03CH06-CB		23.9~25.4°C / 53~56%	
Radiated above 1GHz (For beamforming mode)	03CH02-CB		23.4~25.6°C / 54~57% 24~25.1°C / 53~57%	
	03CH06-CB		23.5~25.5°C / 53~55% 23.8~25.6°C / 53~57%	
AC Conduction	CO02-CB	Wei Li	24~25°C / 56~59%	Sep. 10, 2020 ~ Sep. 28, 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 1TX

Mode	Power Setting	Power Setting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	94	23.5
2437MHz	94	23.5
2462MHz	94	23.5
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	67	16.75
2417MHz	76	19
2437MHz	87	21.75
2457MHz	68	17
2462MHz	61	15.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	62	15.5
2417MHz	72	18
2437MHz	83	20.75
2457MHz	71	17.75
2462MHz	54	13.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	57	14.25
2427MHz	58	14.5
2437MHz	64	16
2447MHz	66	16.5
2452MHz	60	15

**For non beamforming mode 2TX**

Mode	Power Setting	Power Setting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	76	19
2417MHz	79	19.75
2437MHz	93	23.25
2457MHz	81	20.25
2462MHz	80	20
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	64	16
2417MHz	66	16.5
2437MHz	80	20
2457MHz	62	15.5
2462MHz	58	14.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-
2412MHz	52	13
2417MHz	65	16.25
2437MHz	78	19.5
2457MHz	51	12.75
2462MHz	47	11.75
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-
2422MHz	54	13.5
2437MHz	60	15
2452MHz	56	14

**For beamforming mode 2TX**

Mode	Power Setting	PowerSetting (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	57	14.25
2417MHz	69	17.25
2437MHz	78	19.5
2457MHz	62	15.5
2462MHz	56	14
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	53	13.25
2437MHz	56	14
2452MHz	50	12.5

Note:

- There are two modes for the EUT, one is beamforming mode, and the other is Non-beamforming mode. The EUT supports beamforming function in n/VHT/ax for 2.4GHz and n/ac/ax for 5GHz. Both modes have been test and record 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	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + Adapter
2	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + PoE Out + PoE
3	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + Adapter
4	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + PoE Out + PoE
5	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4 + Adapter
6	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4 + PoE Out + PoE
7	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4 + Adapter
8	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4 + PoE Out + PoE
For operating mode 5 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

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	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + Adapter
2	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + PoE Out + PoE
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~5 will follow this same test mode.	
3	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth + Adapter
4	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4 + Adapter
5	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4 + Adapter
For operating mode 5 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	Dual Band Radio with 2.4GHz function

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth
2	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with Bluetooth
3	Dual Band Radio with 2.4GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4
4	Dual Band Radio with 5GHz function + 5G Radio + BLE/IEEE802.15.4 (Zigbee/Thread) Radio with IEEE802.15.4
Refer to Sporton Test Report No.: FA091507 for Co-location RF Exposure Evaluation.	



Note1: The EUT only used at Y axis position.

Note2: The PoE is for measurement only, would not be marketed.

The detail information as below:

Power	Brand	Model
Adapter	powertron electronics corp.	PA1024-120IB200
PoE	Microsemi	PD-9001GR/AT/AC

Note3: The USB port was performed at the load as applicant requirement.

Note4: Operation mode as following:

Radio Mode	Dual Band Radio	5G Radio
Mode 1	2.4GHz 1TX: Support TX diversity 2TX: Support non-BF/TXBF	5GHz Band 1/4 1TX: Support TX diversity 2TX: Support non-BF/TXBF
Mode 2	2.4GHz 1TX: Support TX diversity 2TX: Support non-BF/TXBF 5GHz Band 1/4 2TX: Support non-BF	5GHz Band 1/4 1TX: Support TX diversity 2TX: Support non-BF/TXBF
Mode 3	5GHz Band 1 1TX: Support TX diversity 2TX: Support non-BF/TXBF	5GHz Band 4 1TX: Support TX diversity 2TX: Support non-BF/TXBF

After evaluating, the test mode has been selected as following:

Dual Band Radio:

2.4GHz: 1TX, 2TX non-BF, 2TX BF

5GHz Band 1: 1TX, 2TX non-BF, 2TX BF

5GHz Band 4: 2TX non-BF

5G Radio:

5GHz Band 1: 1TX, 2TX non-BF, 2TX BF

5GHz Band 4: 1TX, 2TX non-BF, 2TX BF



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by 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

Others
RJ-45 cable*1, non-shielded, 0.1m
Bracket*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	ETH1/PoE Out NB	DELL	E6430	N/A
B	PASS THRU NB	DELL	E6430	N/A
C	2.4G/5G-R1 NB	DELL	E6430	N/A
D	5G-R2 NB	DELL	E6430	N/A
E	ETH2 NB	DELL	E6430	N/A
F	Flash disk	Kingston	DTSE9H	N/A
G	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Notebook	DELL	E4300	N/A
D	Notebook	DELL	E4300	N/A
E	Notebook	DELL	E4300	N/A
F	Flash disk	Kingston	DTSE9H	N/A
G	PoE	Microsemi	PD-9001GR/AT/AC	N/A
H	PoE LOAD	WNC	RLLL-M1	N/A
I	Adapter	powertron electronics corp.	PA1024-120IB200	N/A



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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

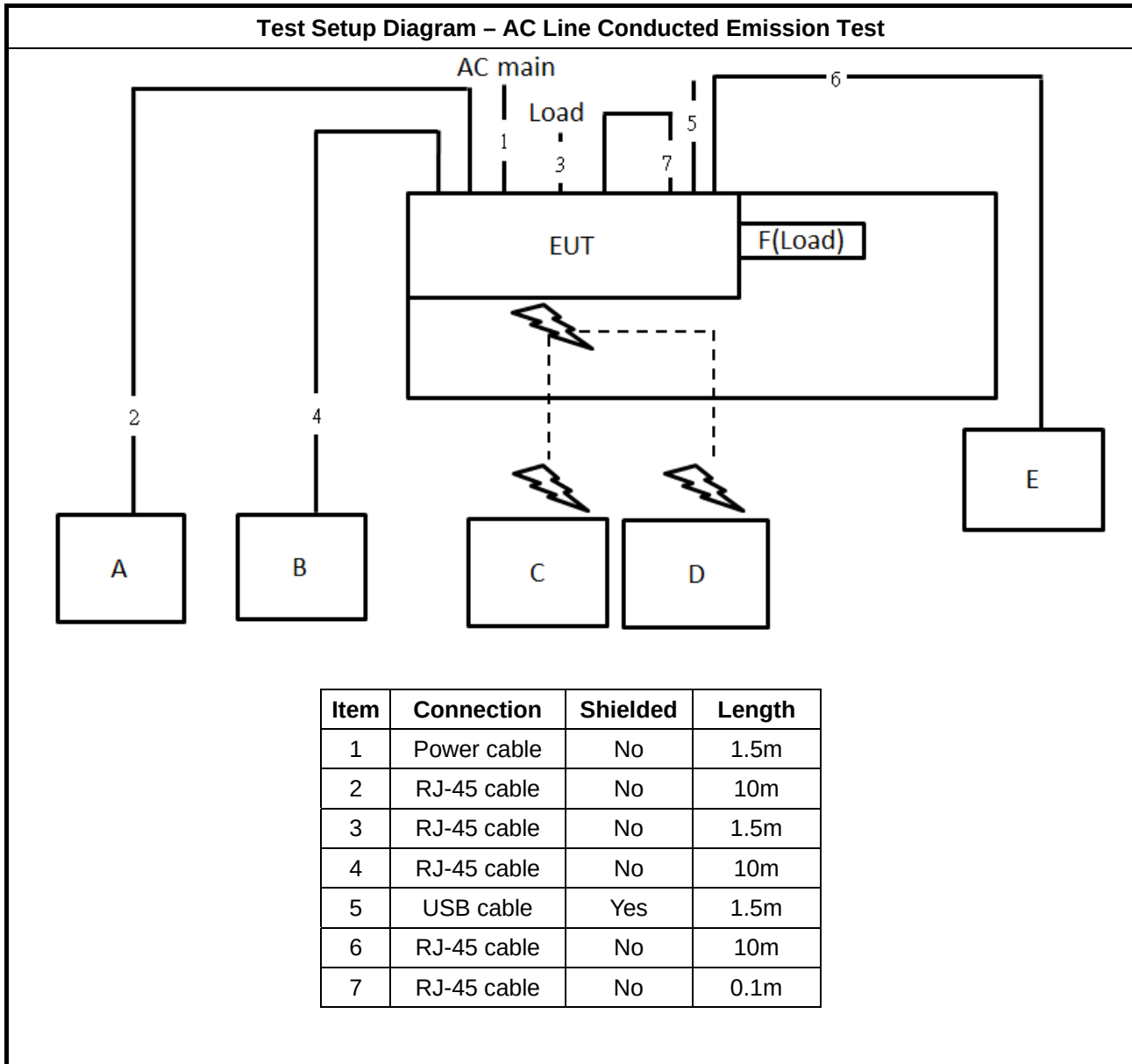
For beamforming mode

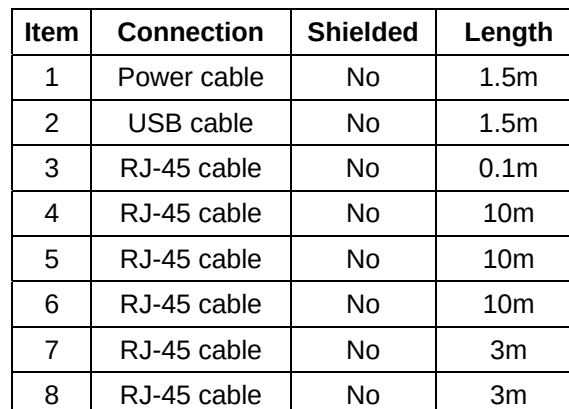
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN AP	Extreme Networks	AP302W	N/A
D	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

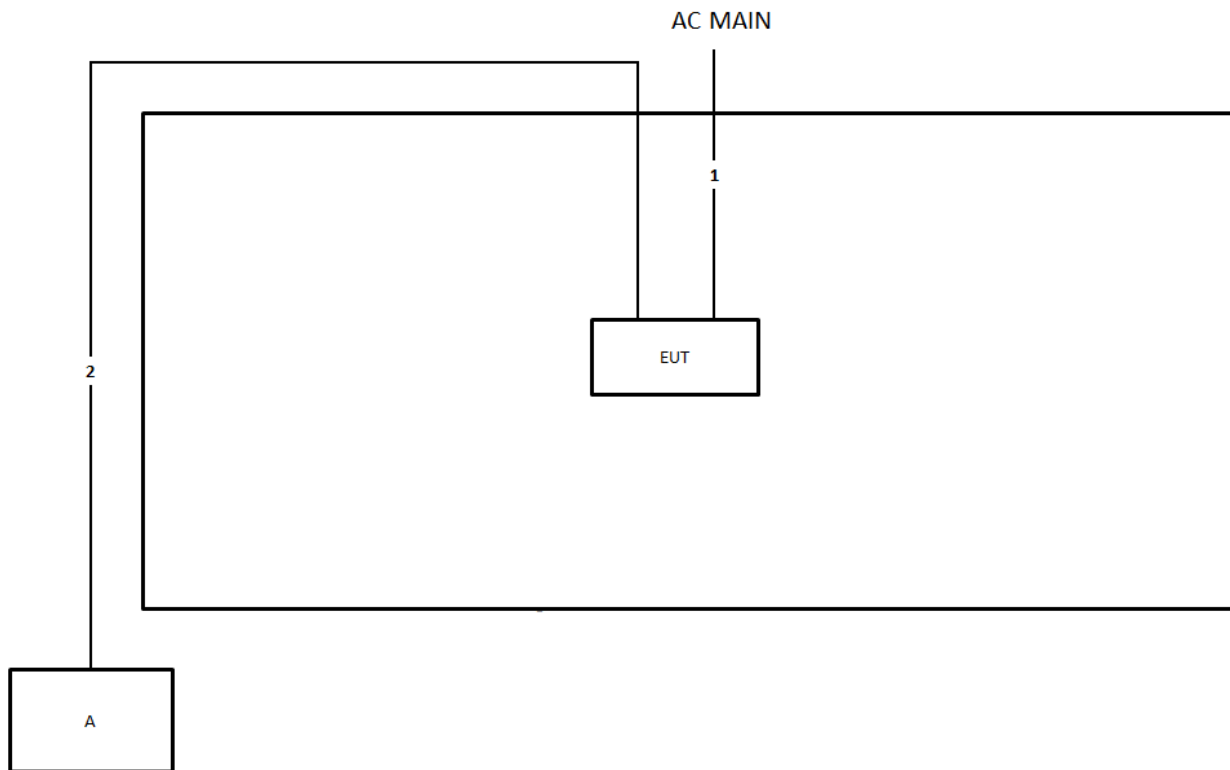
For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Adapter	powertron electronics corp.	PA1024-120IB200	N/A

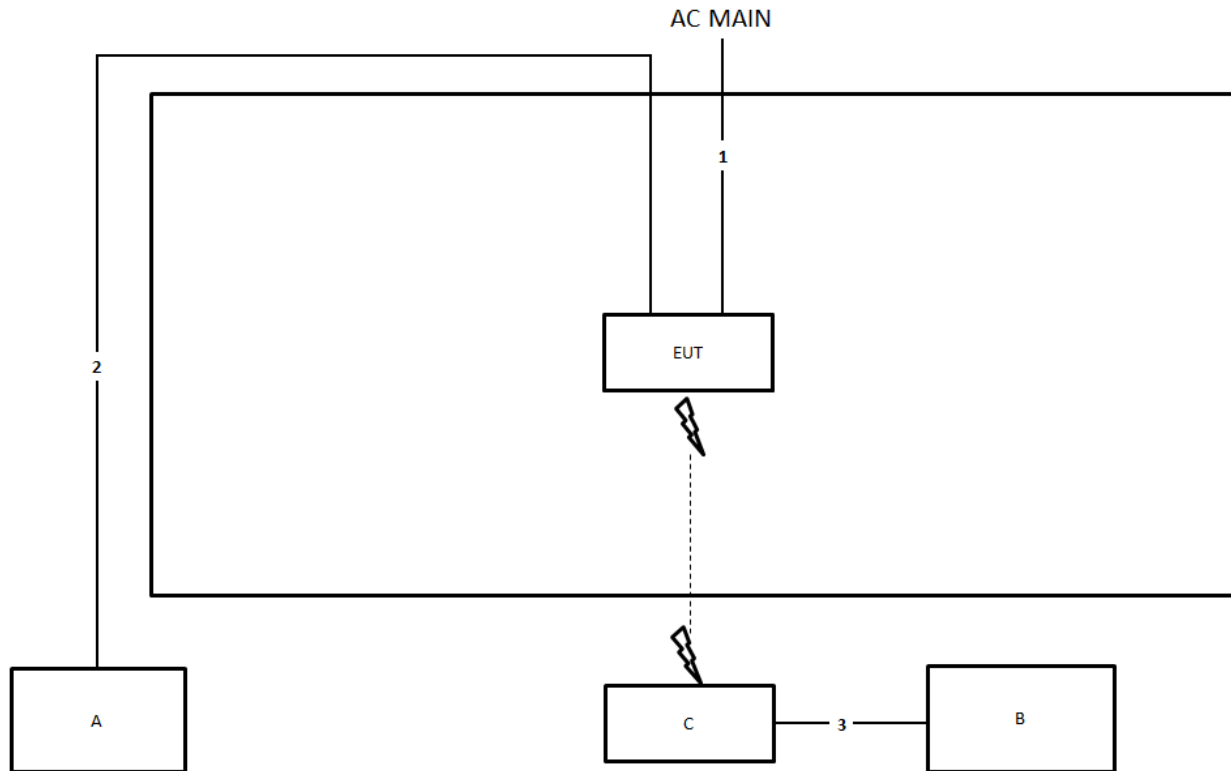
2.6 Test Setup Diagram





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.		

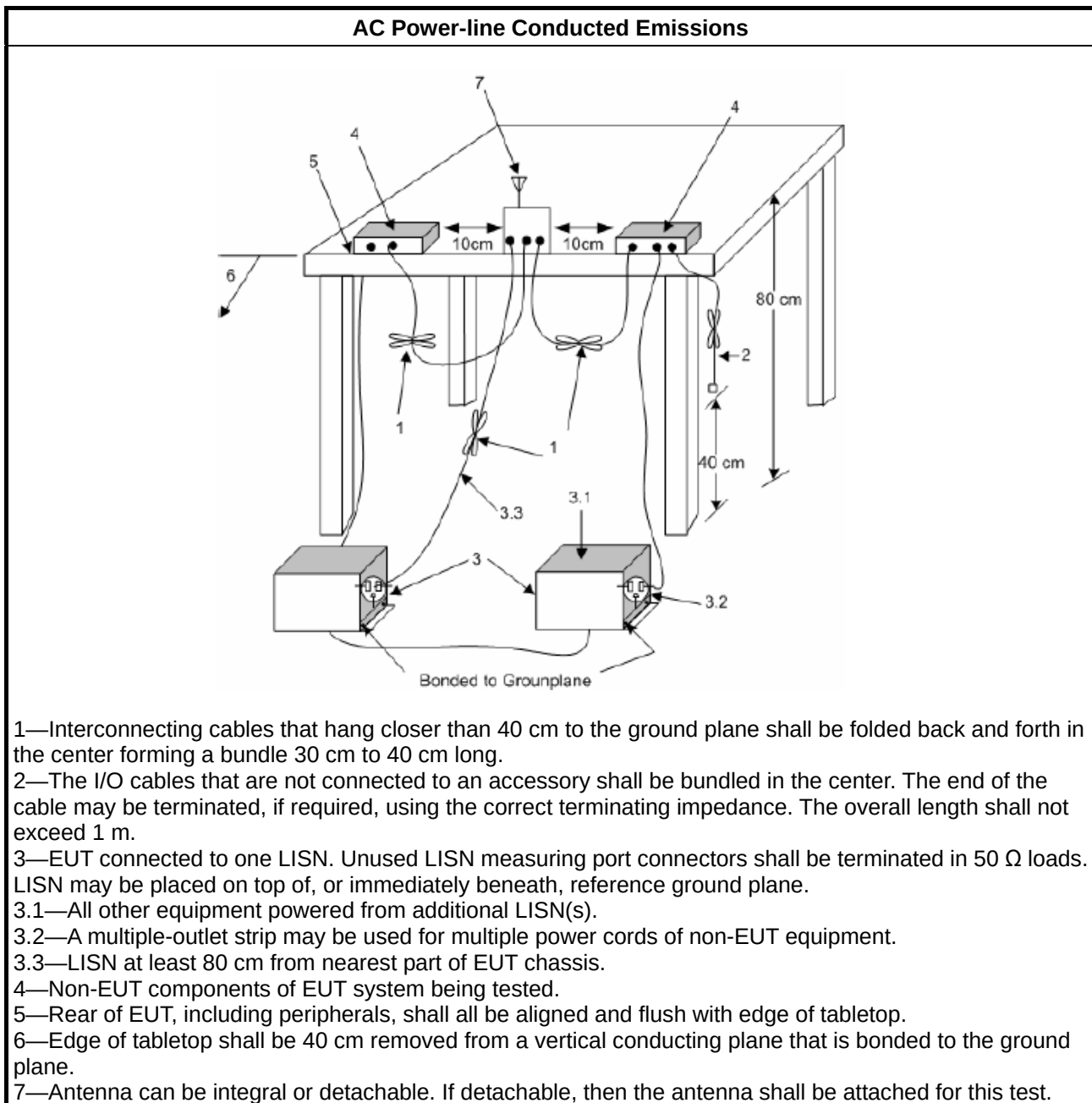
3.1.2 Measuring Instruments

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:

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

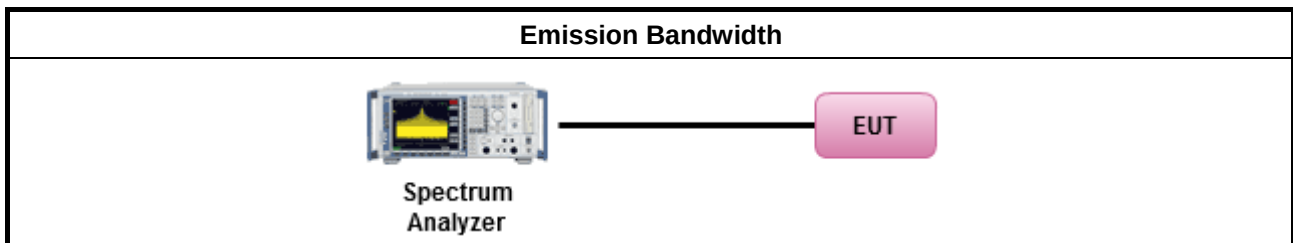
3.2.2 Measuring Instruments

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.	

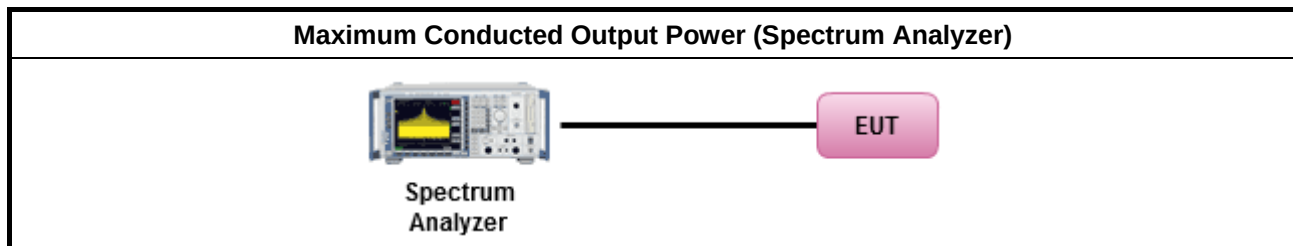
3.3.2 Measuring Instruments

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

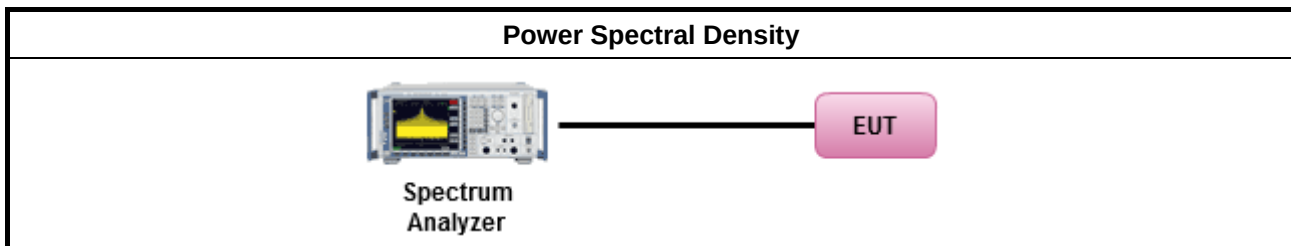
3.4.2 Measuring Instruments

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.	

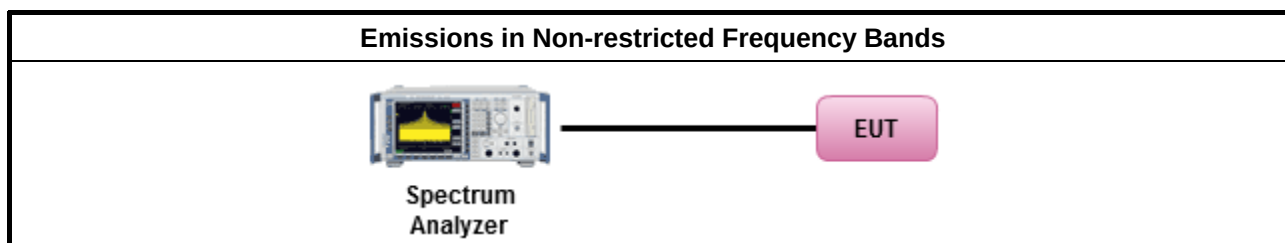
3.5.2 Measuring Instruments

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

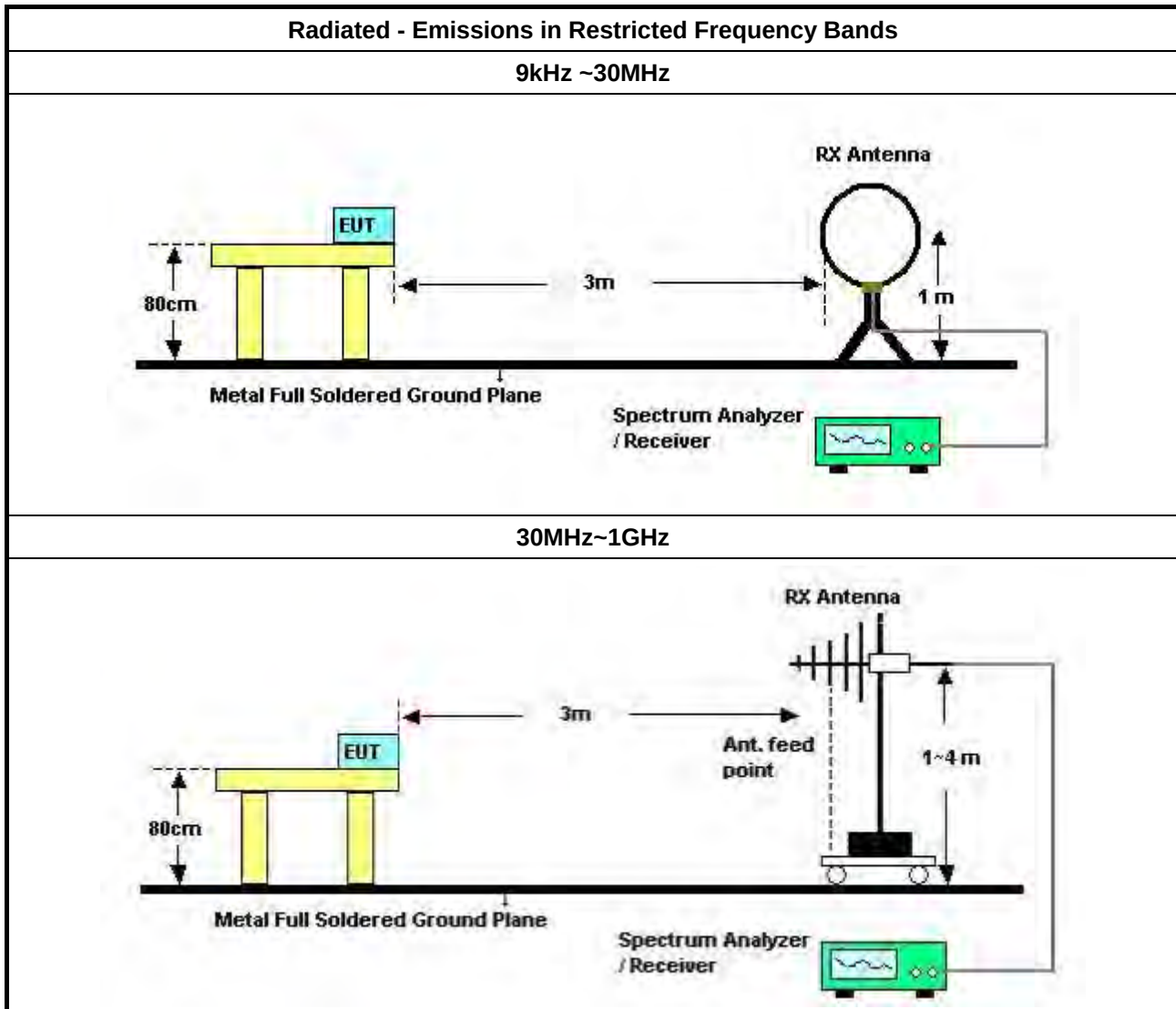
Refer a test equipment and calibration data table in this test report.

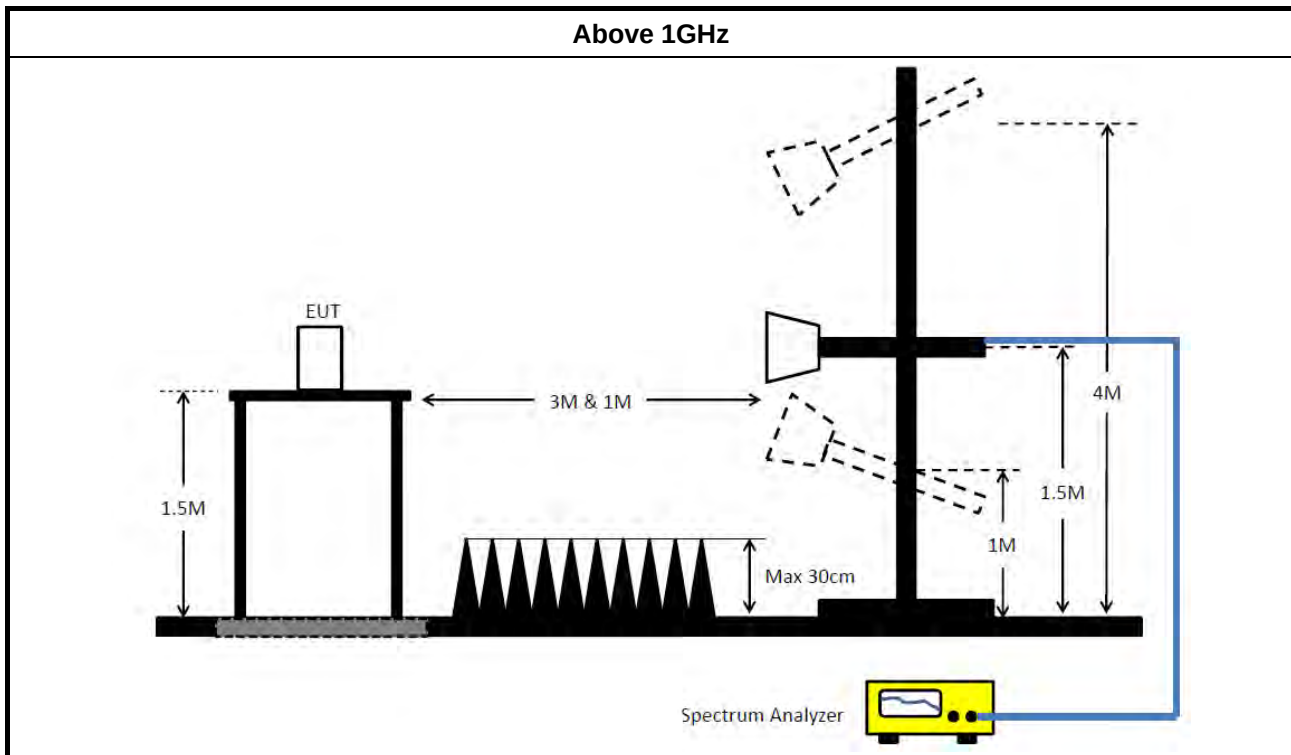


3.6.3 Test Procedures

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
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Mar. 10, 2020	Mar. 09, 2021	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 19, 2020	Mar. 18, 2021	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber(NSA)	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
Site V.S.W.R	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 09, 2019	Nov. 08, 2020	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 27, 2020	Mar. 26, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Site V.S.W.R	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Site V.S.W.R	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 26, 2020	Feb. 25, 2021	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Jul. 07, 2020	Jul. 06, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Feb. 01, 2020	Jan. 31, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Site V.S.W.R	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 03, 2019	Oct. 02, 2020	Radiation (03CH06-CB)
Site V.S.W.R	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Amplifier	-	-	TF-130N-R1	18GHz ~ 40GHz	Jun. 19, 2020	Jun. 18, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 04, 2020	Aug. 03, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

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



Conducted Emissions at Powerline

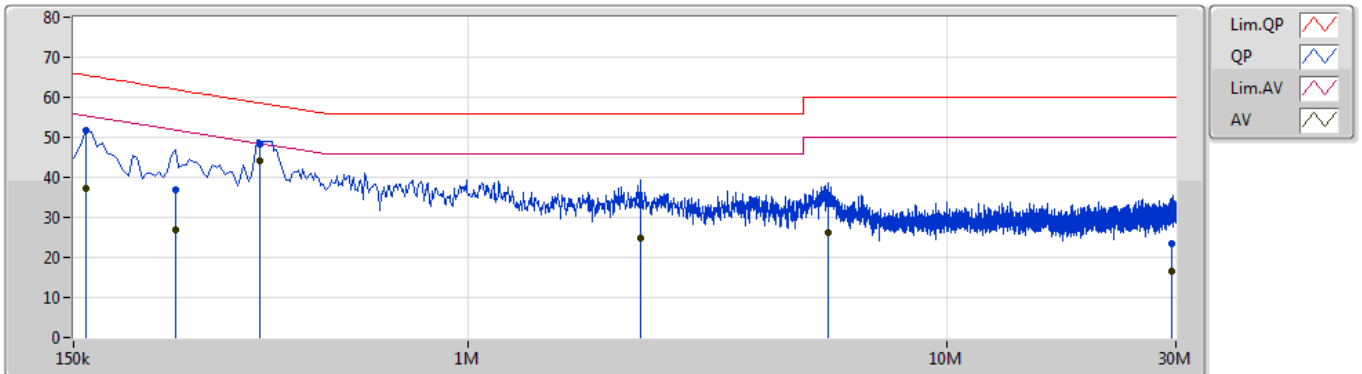
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 5	Pass	AV	366k	44.20	48.60	-4.40	Line

Test Mode 5

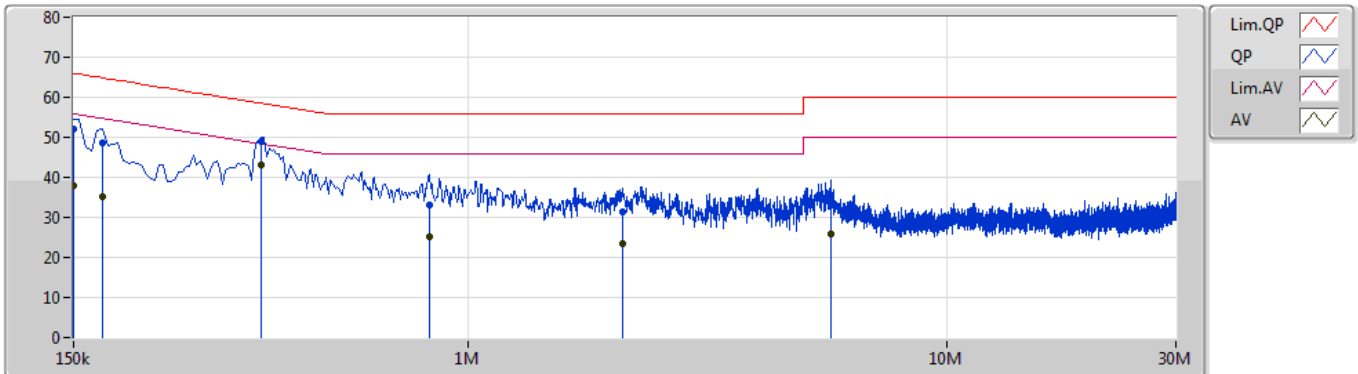
28/09/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159k	51.65	65.52	-13.87	10.26	Line	-	41.39	0.05	0.06	10.15			
AV	159k	37.28	55.52	-18.24	10.26	Line	-	27.02	0.05	0.06	10.15			
QP	244.5k	37.05	61.95	-24.90	10.27	Line	-	26.78	0.05	0.07	10.15			
AV	244.5k	26.74	51.95	-25.21	10.27	Line	-	16.47	0.05	0.07	10.15			
QP	366k	48.28	58.60	-10.32	10.24	Line	-	38.04	0.05	0.08	10.11			
AV	366k	44.20	48.60	-4.40	10.24	Line	"Worst"	33.96	0.05	0.08	10.11			
QP	2.292M	33.13	56.00	-22.87	10.39	Line	-	22.74	0.10	0.16	10.13			
AV	2.292M	24.94	46.00	-21.06	10.39	Line	-	14.55	0.10	0.16	10.13			
QP	5.645M	33.58	60.00	-26.42	10.47	Line	-	23.11	0.16	0.15	10.16			
AV	5.645M	26.07	50.00	-23.93	10.47	Line	-	15.60	0.16	0.15	10.16			
QP	29.382M	23.43	60.00	-36.57	11.07	Line	-	12.36	0.62	0.24	10.21			
AV	29.382M	16.53	50.00	-33.47	11.07	Line	-	5.46	0.62	0.24	10.21			

Test Mode 5

28/09/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	52.18	66.00	-13.82	10.25	Neutral	-	41.93	0.05	0.05	10.15			
AV	150k	37.83	56.00	-18.17	10.25	Neutral	-	27.58	0.05	0.05	10.15			
QP	172.5k	48.70	64.83	-16.13	10.27	Neutral	-	38.43	0.05	0.06	10.16			
AV	172.5k	35.10	54.83	-19.73	10.27	Neutral	-	24.83	0.05	0.06	10.16			
QP	370.5k	48.85	58.49	-9.64	10.24	Neutral	-	38.61	0.05	0.08	10.11			
AV	370.5k	43.25	48.49	-5.24	10.24	Neutral	"Worst"	33.01	0.05	0.08	10.11			
QP	829.5k	33.24	56.00	-22.76	10.28	Neutral	-	22.96	0.06	0.11	10.11			
AV	829.5k	25.15	46.00	-20.85	10.28	Neutral	-	14.87	0.06	0.11	10.11			
QP	2.094M	31.45	56.00	-24.55	10.37	Neutral	-	21.08	0.08	0.16	10.13			
AV	2.094M	23.31	46.00	-22.69	10.37	Neutral	-	12.94	0.08	0.16	10.13			
QP	5.703M	33.07	60.00	-26.93	10.45	Neutral	-	22.62	0.14	0.15	10.16			
AV	5.703M	25.71	50.00	-24.29	10.45	Neutral	-	15.26	0.14	0.15	10.16			

For non beamforming mode_1TX
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)_1TX	8M	10.845M	10M8G1D	7M	10.345M
802.11g_Nss1,(6Mbps)_1TX	16.325M	17.366M	17M4D1D	16.3M	16.742M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.14M	19M1D1D	18.95M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.65M	37.531M	37M5D1D	37.1M	37.481M

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

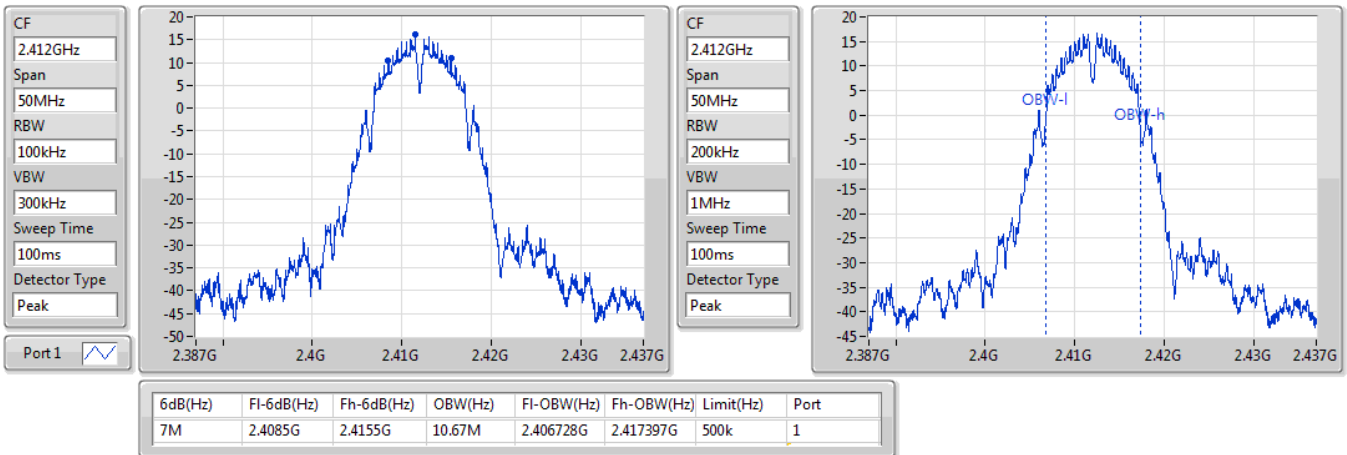
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7M	10.67M
2437MHz	Pass	500k	8M	10.845M
2462MHz	Pass	500k	7M	10.345M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.767M
2437MHz	Pass	500k	16.3M	17.366M
2462MHz	Pass	500k	16.325M	16.742M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.975M	19.015M
2437MHz	Pass	500k	18.95M	19.14M
2462MHz	Pass	500k	18.975M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.1M	37.531M
2437MHz	Pass	500k	37.65M	37.531M
2452MHz	Pass	500k	37.65M	37.481M

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

802.11b_Nss1,(1Mbps)_1TX

EBW
2412MHz

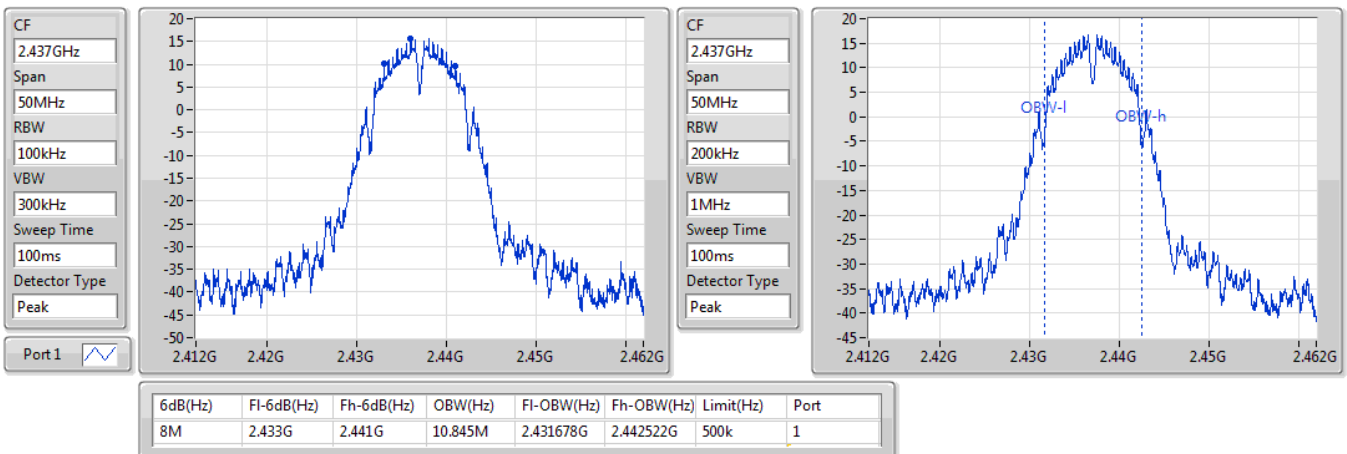
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802.11b_Nss1,(1Mbps)_1TX

EBW
2437MHz

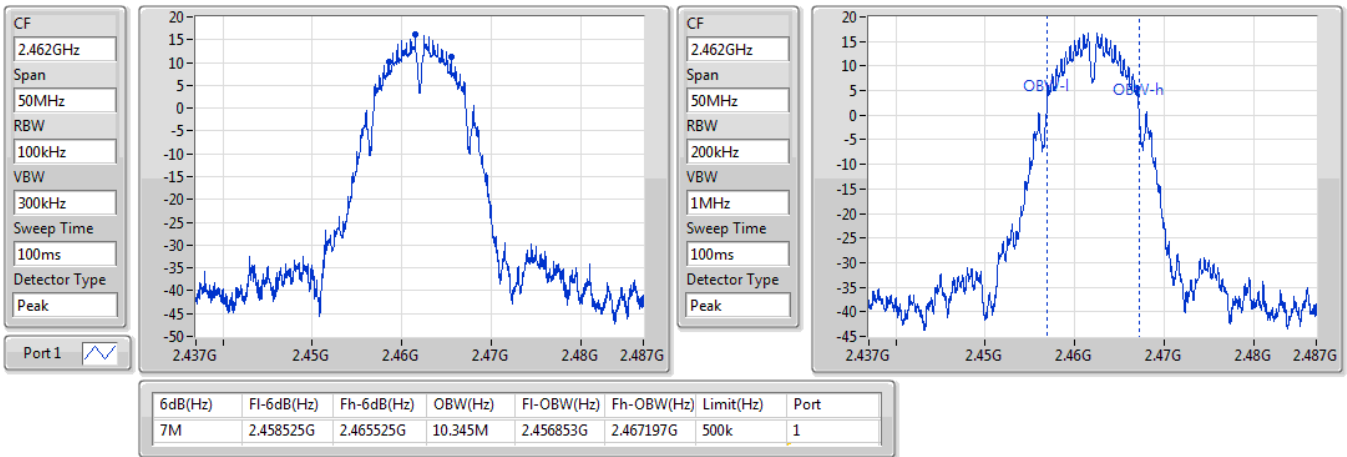
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802.11b_Nss1,(1Mbps)_1TX

EBW
2462MHz

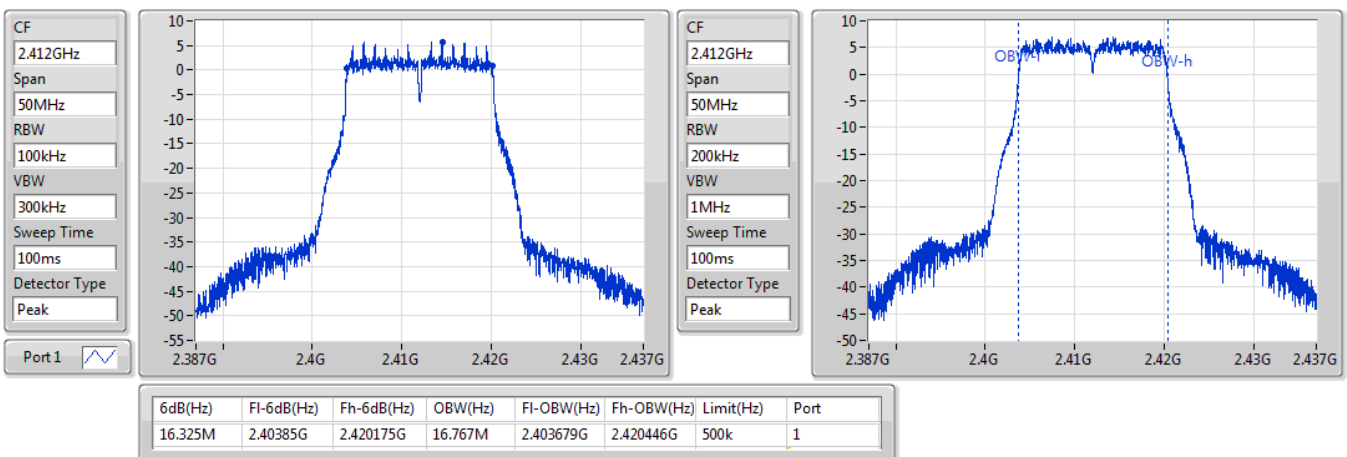
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802.11g_Nss1,(6Mbps)_1TX

EBW
2412MHz

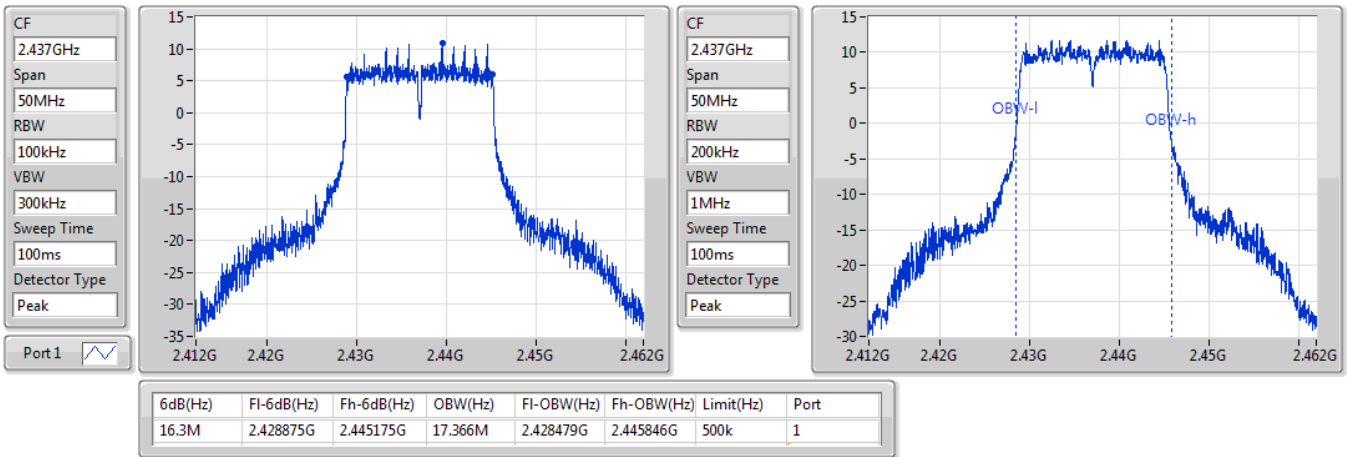
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802.11g_Nss1,(6Mbps)_1TX

EBW
2437MHz

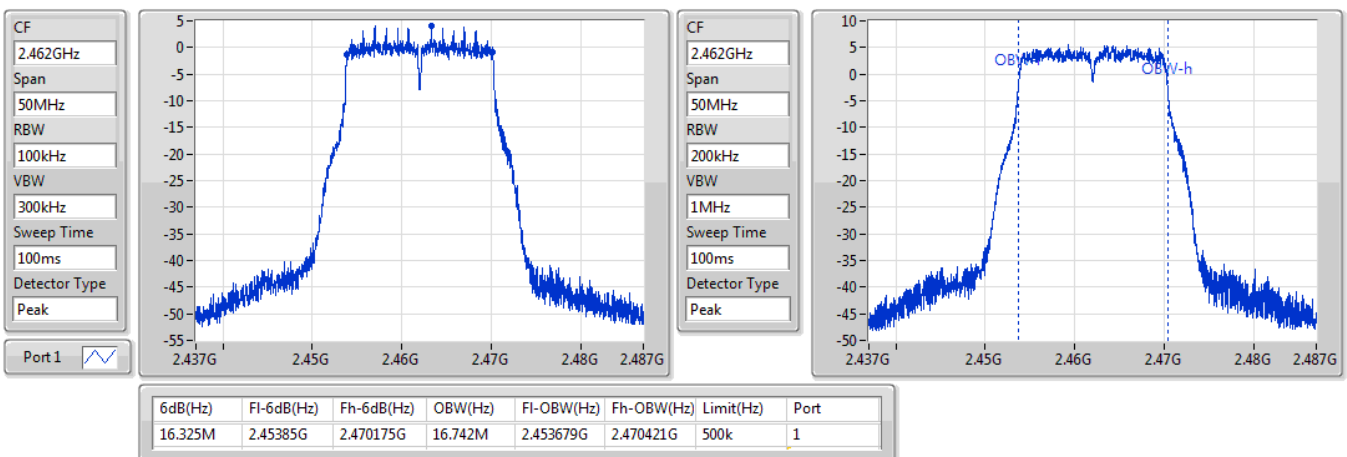
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802.11g_Nss1,(6Mbps)_1TX

EBW
2462MHz

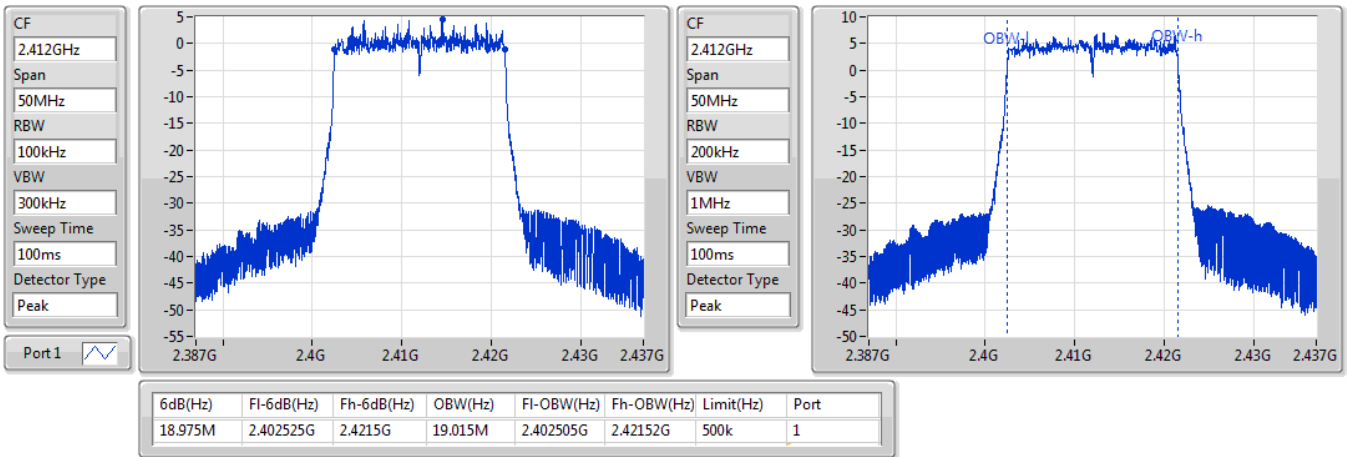
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802.11ax HEW20_Nss1,(MCS0)_1TX

EBW
2412MHz

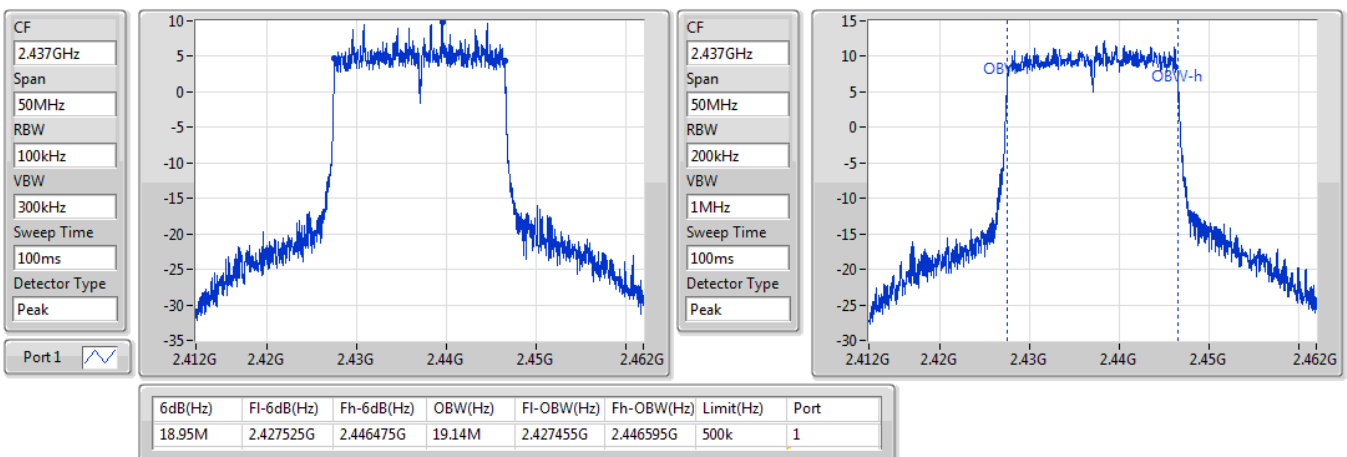
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802.11ax HEW20_Nss1,(MCS0)_1TX

EBW
2437MHz

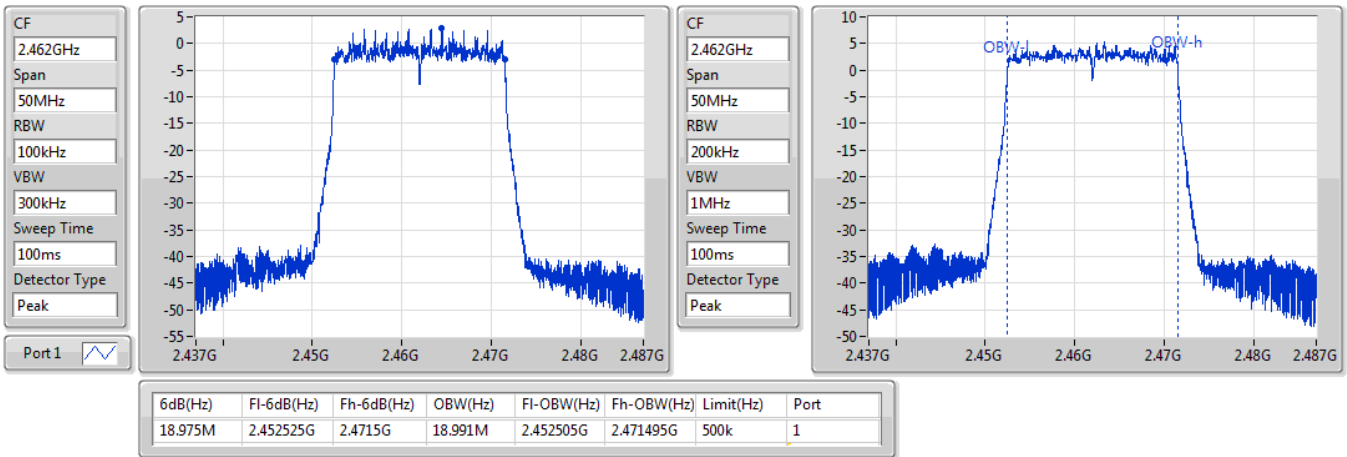
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802.11ax HEW20_Nss1,(MCS0)_1TX

EBW
2462MHz

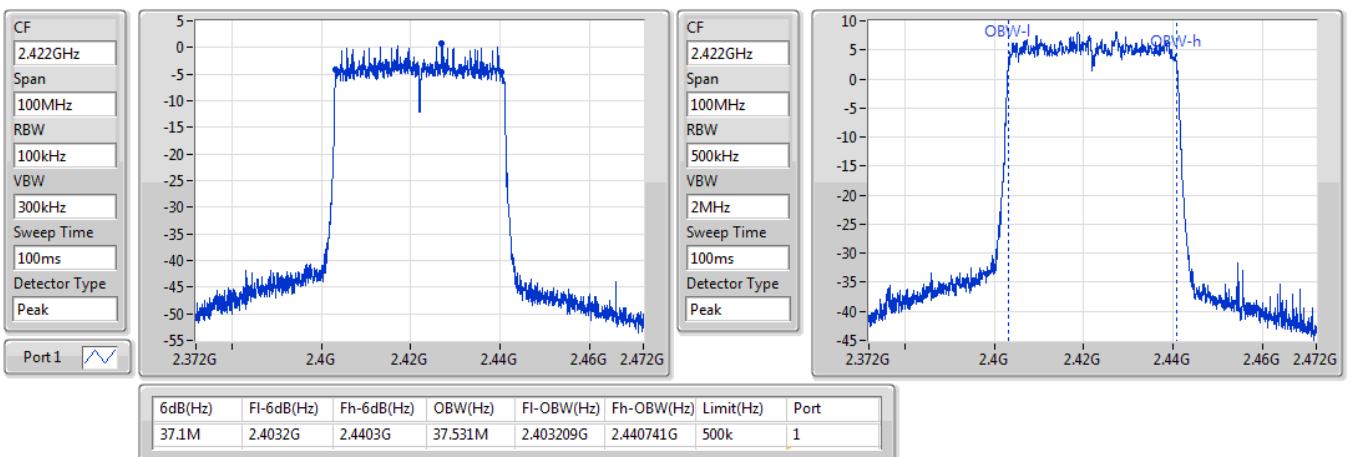
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802.11ax HEW40_Nss1,(MCS0)_1TX

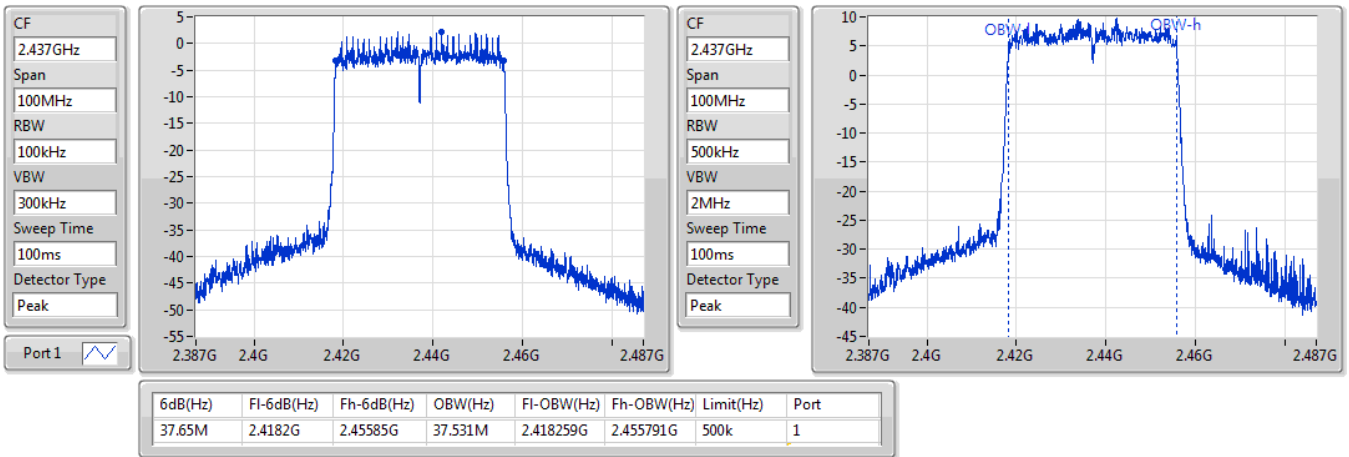
EBW
2422MHz

05/10/2020

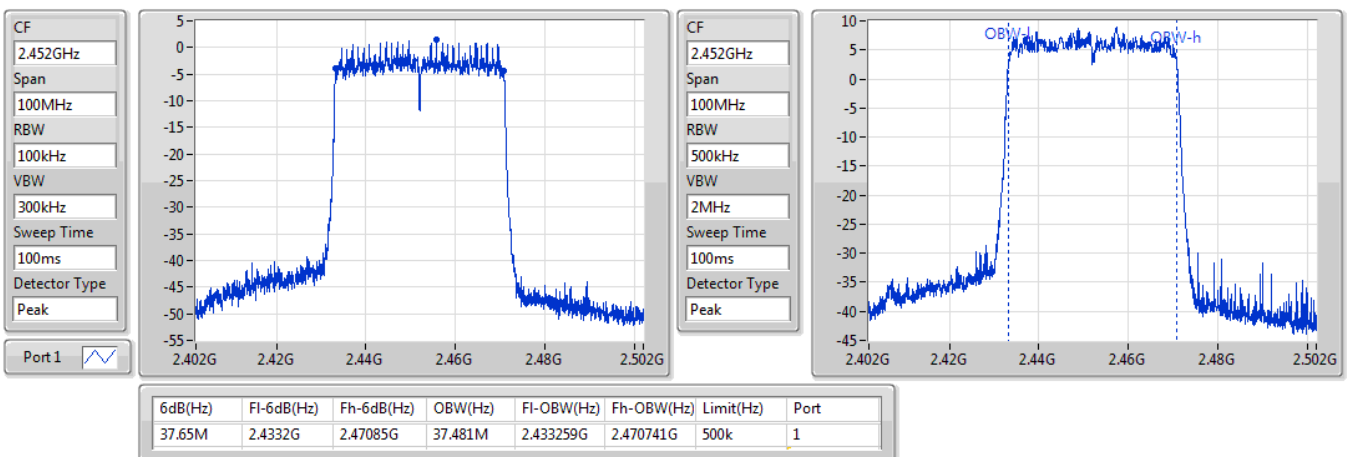


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
2437MHz

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802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
2452MHz

05/10/2020



For non beamforming mode_2TX
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	7.05M	12.344M	12M3G1D	6.95M	10.195M
802.11g_Nss1,(6Mbps)_2TX	16.325M	17.016M	17M0D1D	16.325M	16.667M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.14M	19M1D1D	18.925M	18.991M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.65M	37.531M	37M5D1D	36.95M	37.481M

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

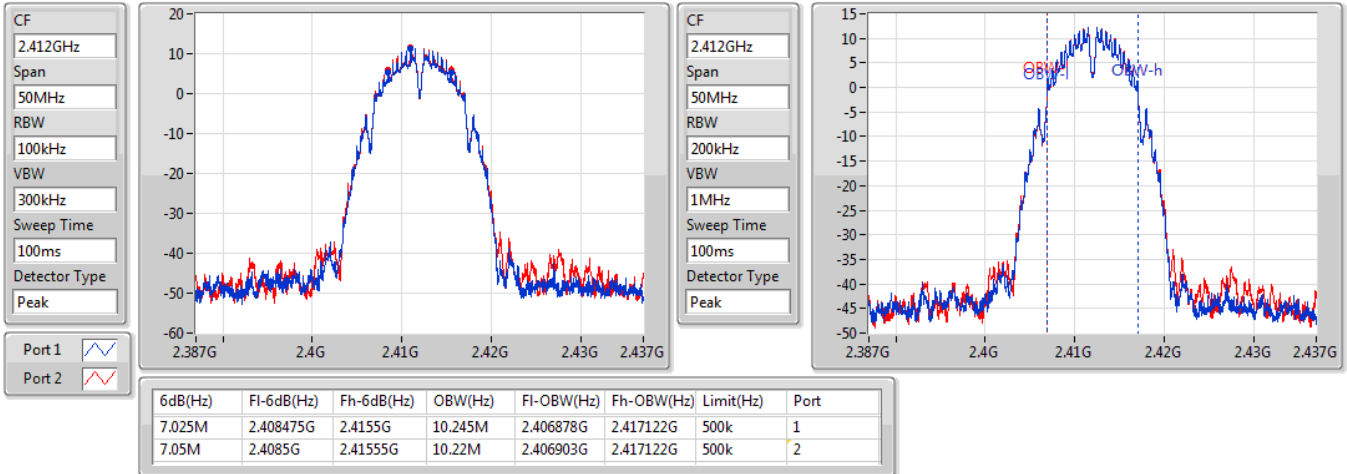
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.245M	7.05M	10.22M
2437MHz	Pass	500k	7.025M	10.495M	7.05M	12.344M
2462MHz	Pass	500k	6.95M	10.195M	7.05M	10.195M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.767M	16.325M	16.667M
2437MHz	Pass	500k	16.325M	16.867M	16.325M	17.016M
2462MHz	Pass	500k	16.325M	16.742M	16.325M	16.667M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.015M	18.95M	19.09M
2437MHz	Pass	500k	18.925M	19.065M	18.95M	19.14M
2462MHz	Pass	500k	18.975M	18.991M	18.975M	19.065M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.45M	37.481M	37.05M	37.481M
2437MHz	Pass	500k	37.6M	37.481M	36.95M	37.531M
2452MHz	Pass	500k	37.65M	37.531M	37.1M	37.481M

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

802.11b_Nss1,(1Mbps)_2TX

EBW
2412MHz

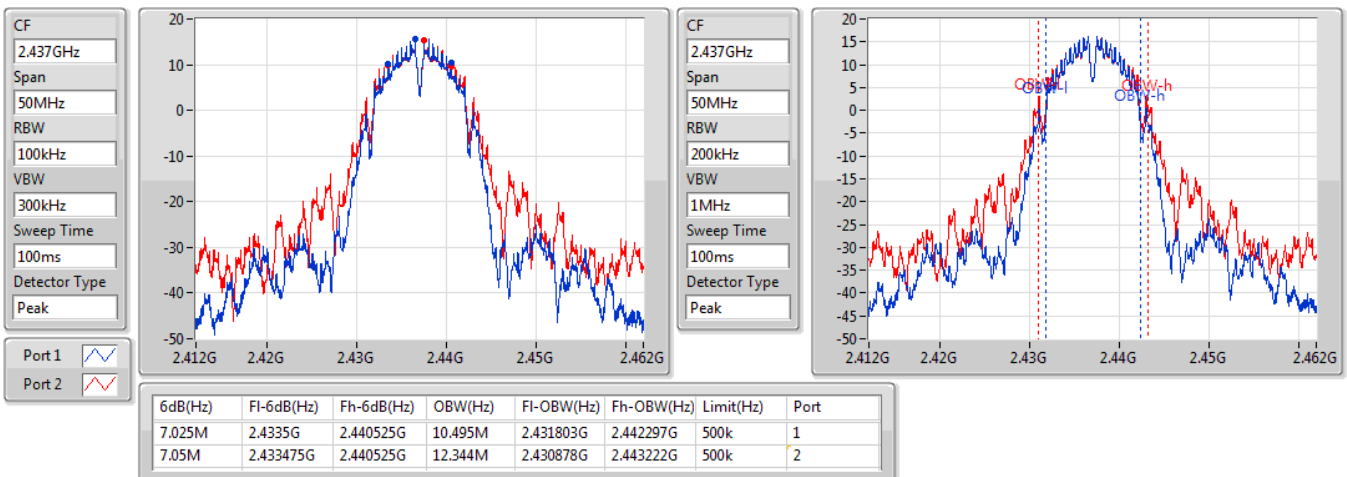
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802.11b_Nss1,(1Mbps)_2TX

EBW
2437MHz

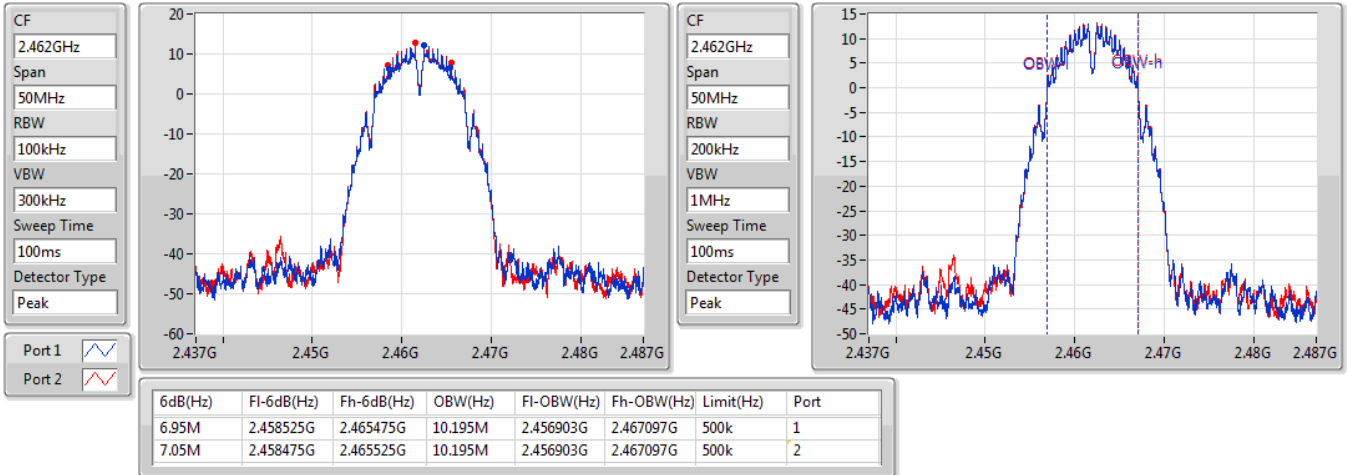
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802.11b_Nss1,(1Mbps)_2TX

2462MHz

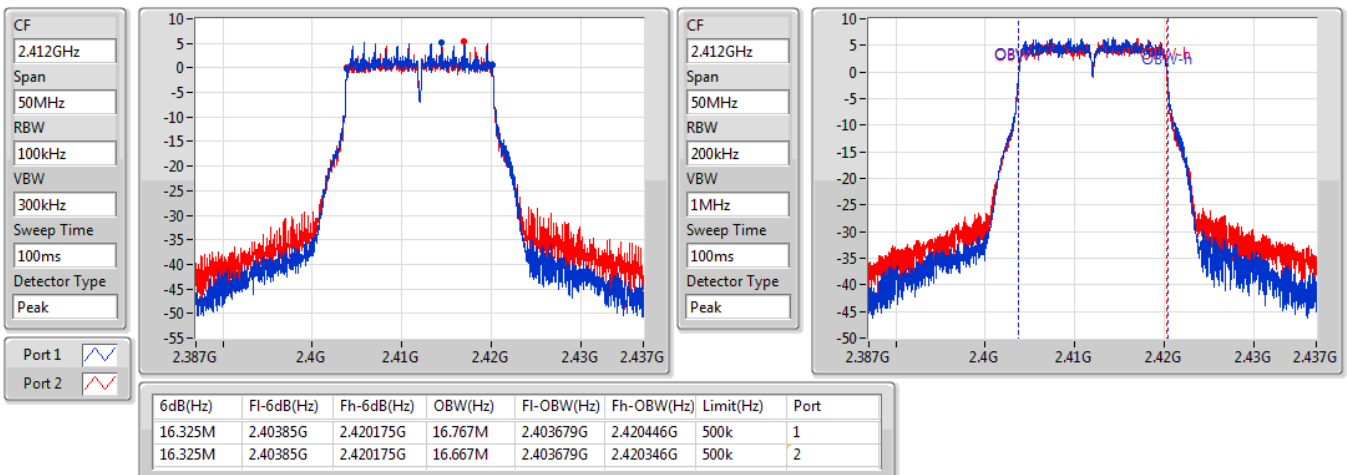
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802.11g_Nss1,(6Mbps)_2TX

2412MHz

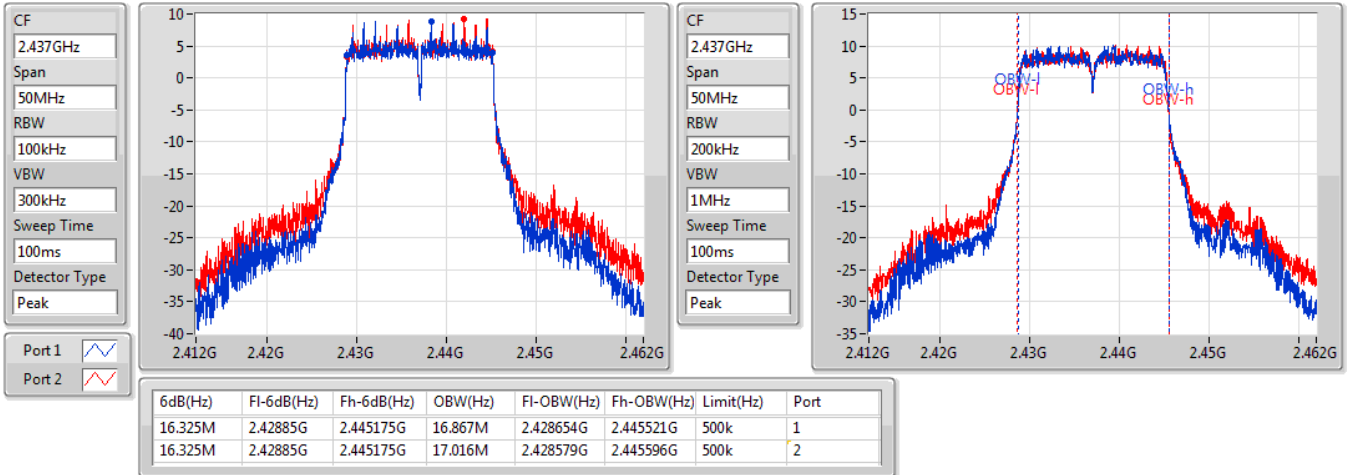
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802.11g_Nss1,(6Mbps)_2TX

2437MHz

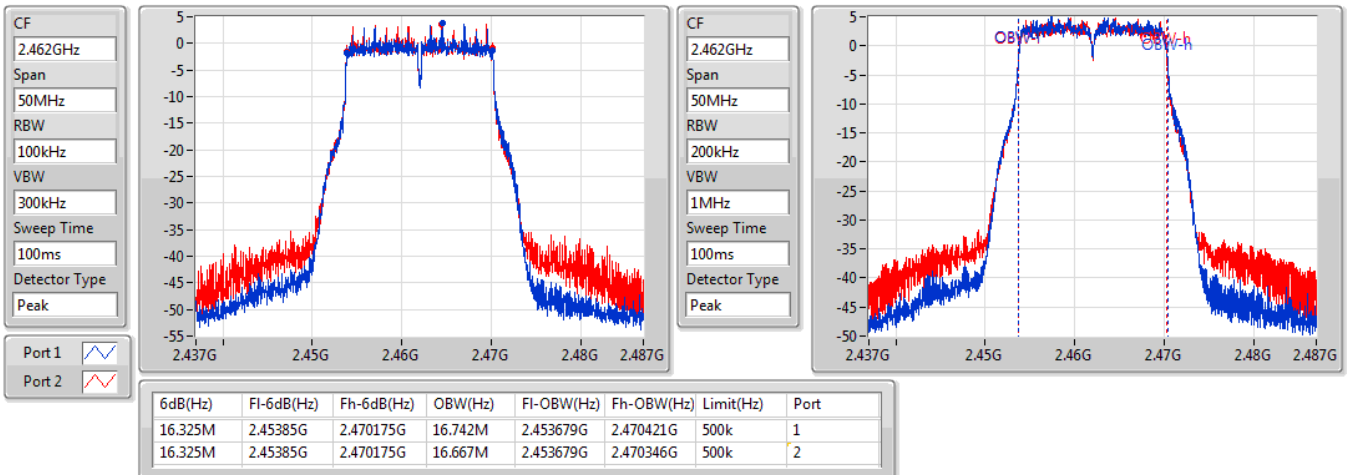
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802.11g_Nss1,(6Mbps)_2TX

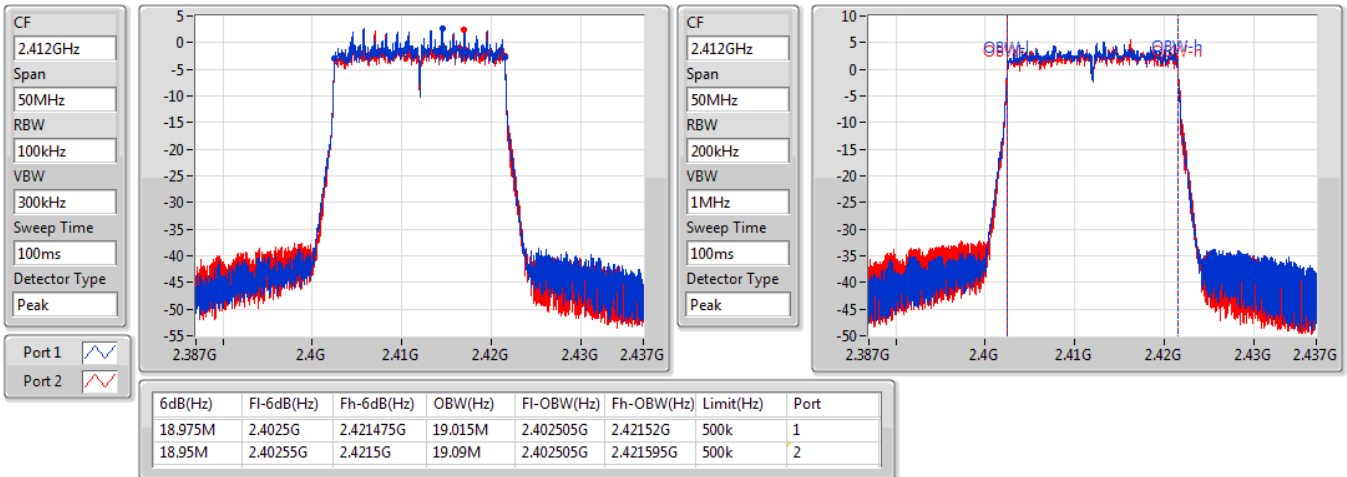
2462MHz

05/10/2020

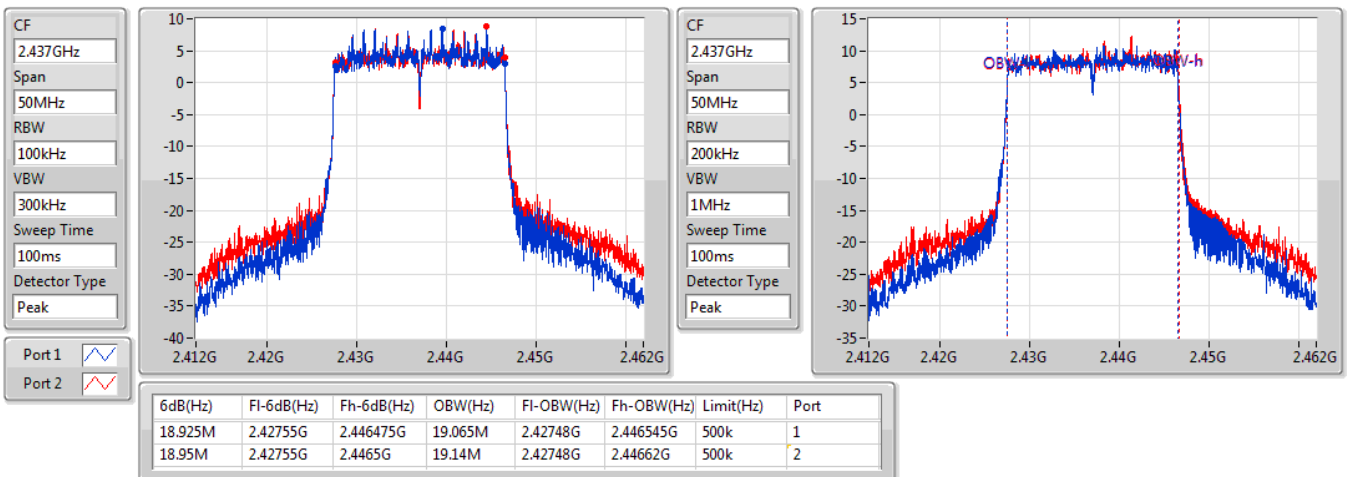


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2412MHz

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802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
2437MHz

05/10/2020

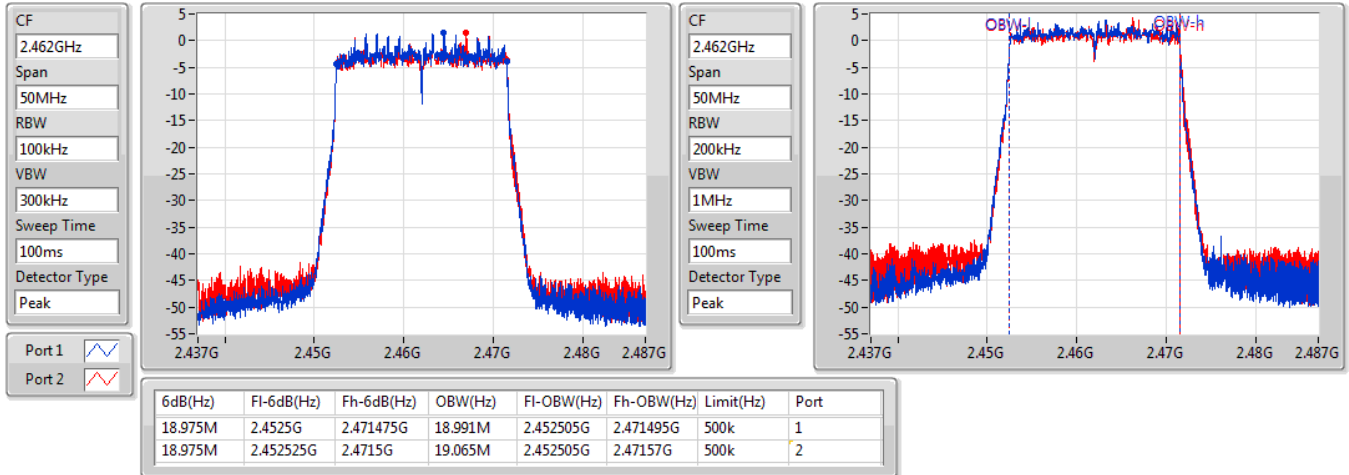


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

05/10/2020

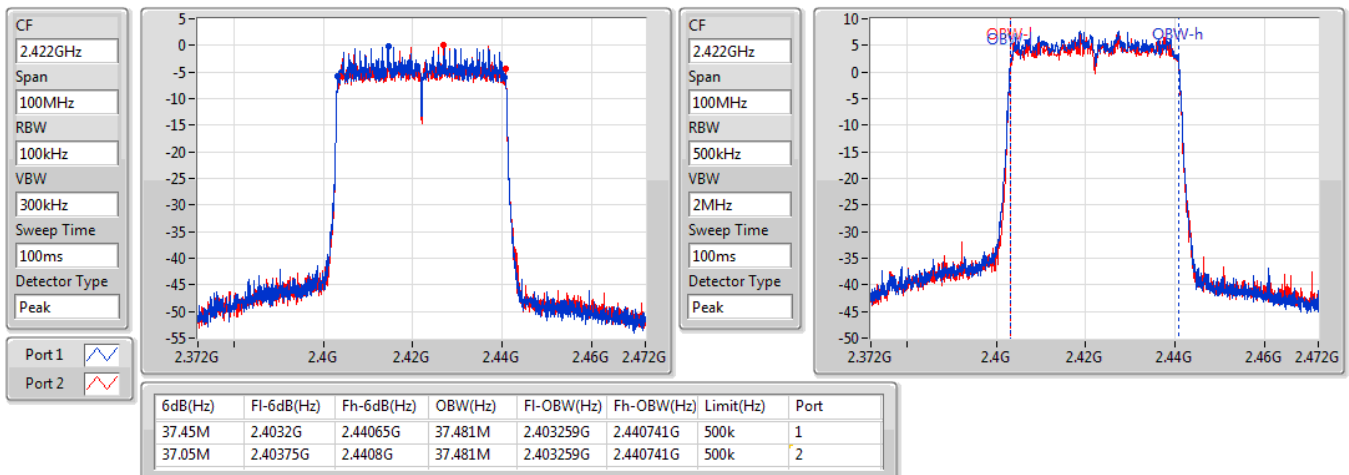


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

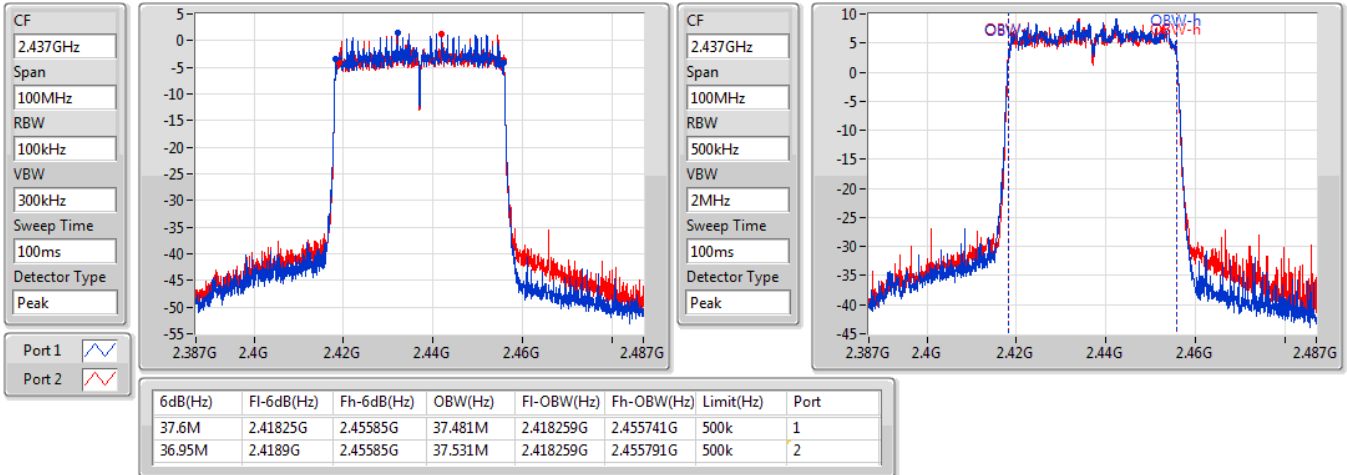
2422MHz

05/10/2020

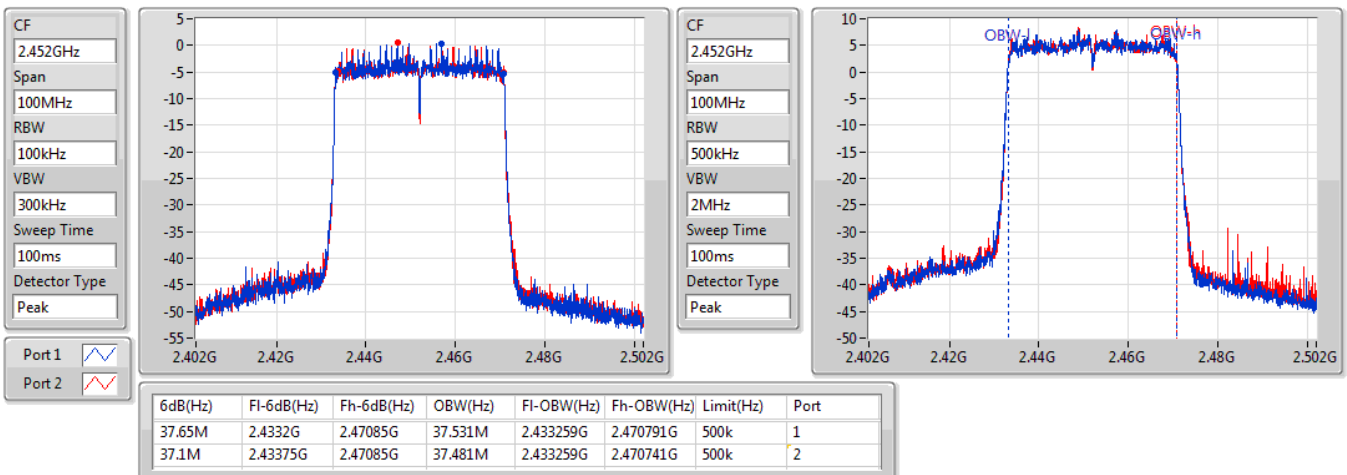


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2437MHz

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802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
2452MHz

05/10/2020



For beamforming mode_2TX

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	18.975M	19.165M	19M2D1D	18.95M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.65M	37.531M	37M5D1D	36.85M	37.481M

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;

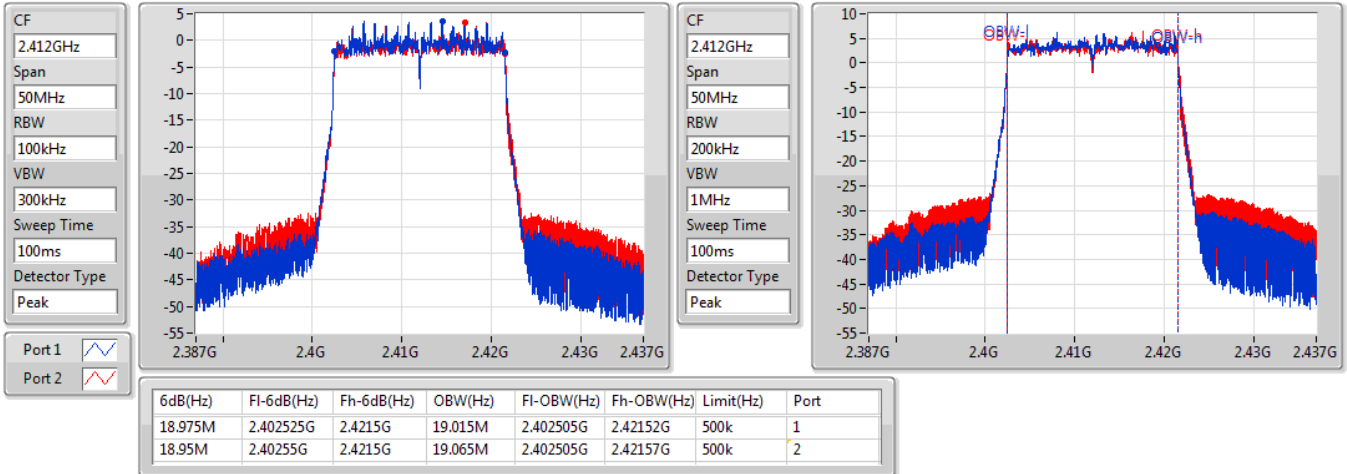
Result

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	18.975M	19.015M	18.95M	19.065M
2437MHz	Pass	500k	18.95M	19.115M	18.95M	19.165M
2462MHz	Pass	500k	18.975M	19.015M	18.95M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.531M	37.45M	37.531M
2437MHz	Pass	500k	37.55M	37.481M	37.1M	37.481M
2452MHz	Pass	500k	37.65M	37.531M	36.85M	37.481M

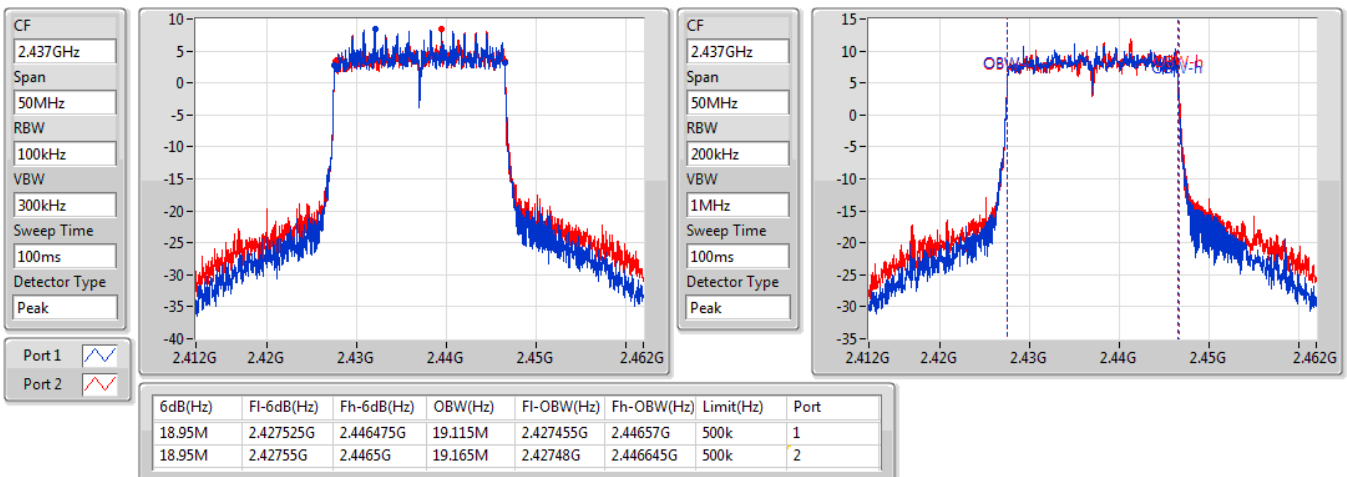
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

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

05/10/2020

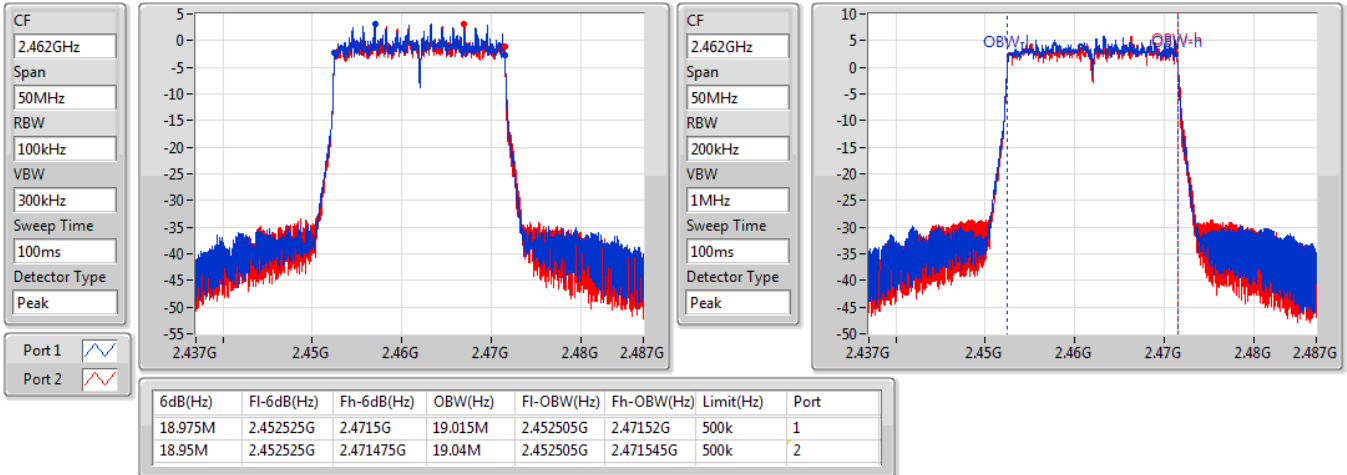

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

05/10/2020

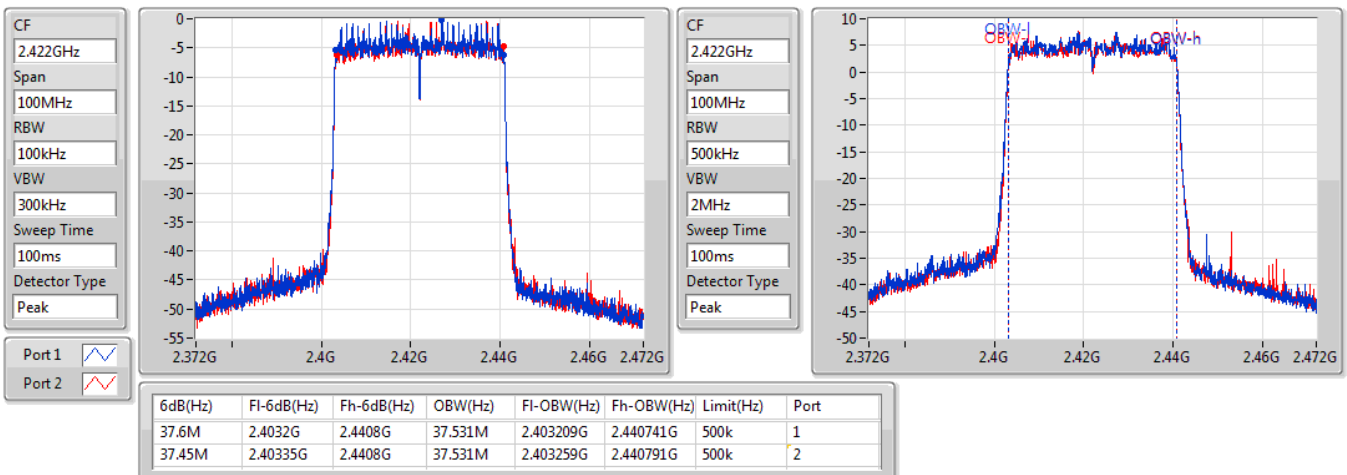


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2462MHz

05/10/2020

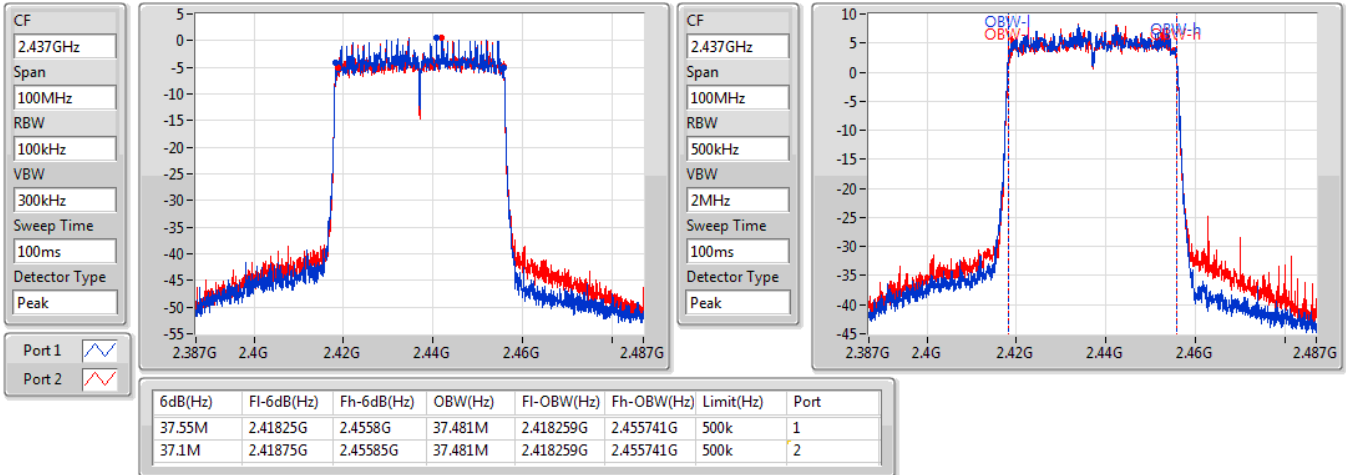

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2422MHz

05/10/2020

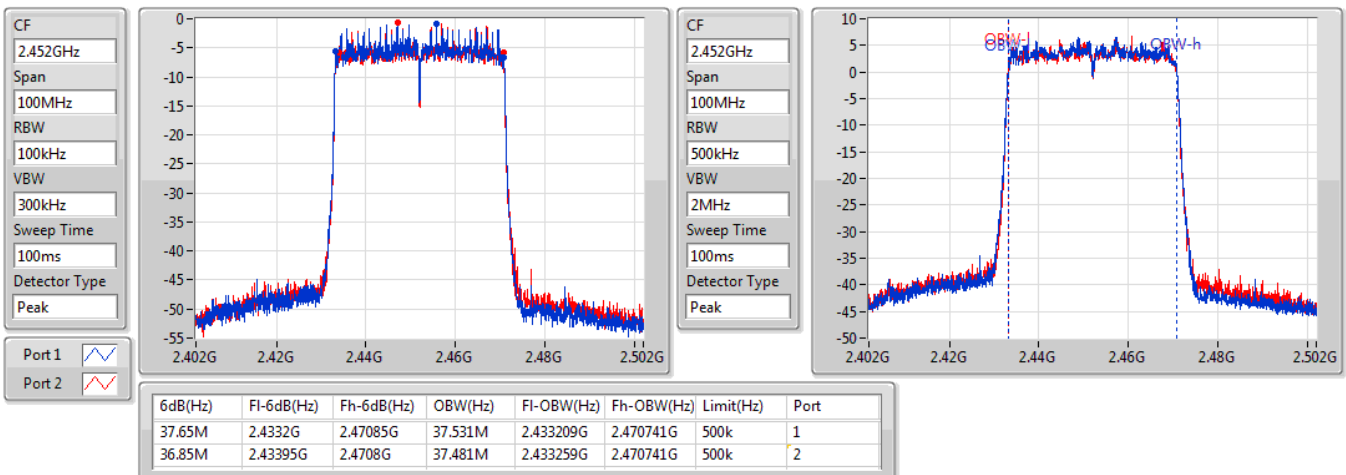


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

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

05/10/2020





**For non beamforming mode_1TX
Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.86	0.24322
802.11g_Nss1,(6Mbps)_1TX	22.27	0.16866
802.11ax HEW20_Nss1,(MCS0)_1TX	21.47	0.14028
802.11ax HEW40_Nss1,(MCS0)_1TX	17.24	0.05297

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	4.50	23.79	23.79	30.00	23.5
2437MHz	Pass	4.50	23.86	23.86	30.00	23.5
2462MHz	Pass	4.50	23.75	23.75	30.00	23.5
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	4.50	17.42	17.42	30.00	16.75
2417MHz	Pass	4.50	19.44	19.44	30.00	19
2437MHz	Pass	4.50	22.27	22.27	30.00	21.75
2457MHz	Pass	4.50	17.47	17.47	30.00	17
2462MHz	Pass	4.50	15.77	15.77	30.00	15.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
2412MHz	Pass	4.50	16.47	16.47	30.00	15.5
2417MHz	Pass	4.50	18.85	18.85	30.00	18
2437MHz	Pass	4.50	21.47	21.47	30.00	20.75
2457MHz	Pass	4.50	18.54	18.54	30.00	17.75
2462MHz	Pass	4.50	14.77	14.77	30.00	13.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
2422MHz	Pass	4.50	15.20	15.20	30.00	14.25
2427MHz	Pass	4.50	15.47	15.47	30.00	14.5
2437MHz	Pass	4.50	16.67	16.67	30.00	16
2447MHz	Pass	4.50	17.24	17.24	30.00	16.5
2452MHz	Pass	4.50	15.82	15.82	30.00	15

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

Note : Conducted setting = Pass conducted setting division 4.



**For non beamforming mode_2TX
Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.59	0.45604
802.11g_Nss1,(6Mbps)_2TX	23.50	0.22387
802.11ax HEW20_Nss1,(MCS0)_2TX	23.20	0.20893
802.11ax HEW40_Nss1,(MCS0)_2TX	18.86	0.07691

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	4.50	19.39	19.60	22.51	30.00	19
2417MHz	Pass	4.50	20.08	20.31	23.21	30.00	19.75
2437MHz	Pass	4.50	23.60	23.56	26.59	30.00	23.25
2457MHz	Pass	4.50	20.43	20.76	23.61	30.00	20.25
2462MHz	Pass	4.50	20.09	20.44	23.28	30.00	20
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	4.50	16.74	16.58	19.67	30.00	16
2417MHz	Pass	4.50	17.21	17.07	20.15	30.00	16.5
2437MHz	Pass	4.50	20.47	20.50	23.50	30.00	20
2457MHz	Pass	4.50	16.28	16.09	19.20	30.00	15.5
2462MHz	Pass	4.50	15.09	15.18	18.15	30.00	14.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	4.50	14.57	14.08	17.34	30.00	13
2417MHz	Pass	4.50	17.39	17.16	20.29	30.00	16.25
2437MHz	Pass	4.50	20.22	20.16	23.20	30.00	19.5
2457MHz	Pass	4.50	13.95	13.79	16.88	30.00	12.75
2462MHz	Pass	4.50	13.23	12.98	16.12	30.00	11.75
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2422MHz	Pass	4.50	14.62	14.45	17.55	30.00	13.5
2437MHz	Pass	4.50	15.90	15.80	18.86	30.00	15
2452MHz	Pass	4.50	14.86	14.82	17.85	30.00	14

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

Note : Conducted setting = Pass conducted setting division 4.



For beamforming mode_2TX

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.20	0.20893
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.95	0.06237

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	7.51	15.45	15.32	18.40	28.49	14.25
2417MHz	Pass	7.51	18.17	18.06	21.13	28.49	17.25
2437MHz	Pass	7.51	20.22	20.16	23.20	28.49	19.5
2457MHz	Pass	7.51	16.52	16.44	19.49	28.49	15.5
2462MHz	Pass	7.51	15.21	15.01	18.12	28.49	14
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2422MHz	Pass	7.51	14.42	14.15	17.30	28.49	13.25
2437MHz	Pass	7.51	14.84	15.04	17.95	28.49	14
2452MHz	Pass	7.51	13.55	13.41	16.49	28.49	12.5

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

Note : Conducted setting = Pass conducted setting division 4.

For non beamforming mode_1TX**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	1.47
802.11g_Nss1,(6Mbps)_1TX	-3.19
802.11ax HEW20_Nss1,(MCS0)_1TX	-4.30
802.11ax HEW40_Nss1,(MCS0)_1TX	-12.79

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.50	1.47	1.47	8.00
2437MHz	Pass	4.50	0.74	0.74	8.00
2462MHz	Pass	4.50	0.97	0.97	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.50	-8.39	-8.39	8.00
2437MHz	Pass	4.50	-3.19	-3.19	8.00
2462MHz	Pass	4.50	-10.15	-10.15	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.50	-8.78	-8.78	8.00
2437MHz	Pass	4.50	-4.30	-4.30	8.00
2462MHz	Pass	4.50	-10.53	-10.53	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.50	-14.20	-14.20	8.00
2437MHz	Pass	4.50	-12.79	-12.79	8.00
2452MHz	Pass	4.50	-14.52	-14.52	8.00

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

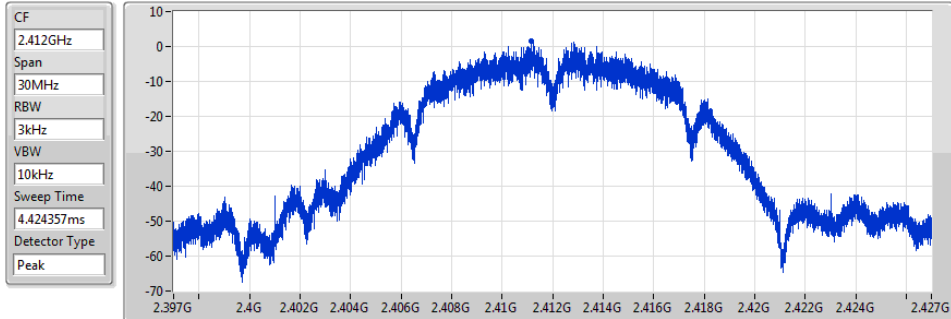
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

05/10/2020



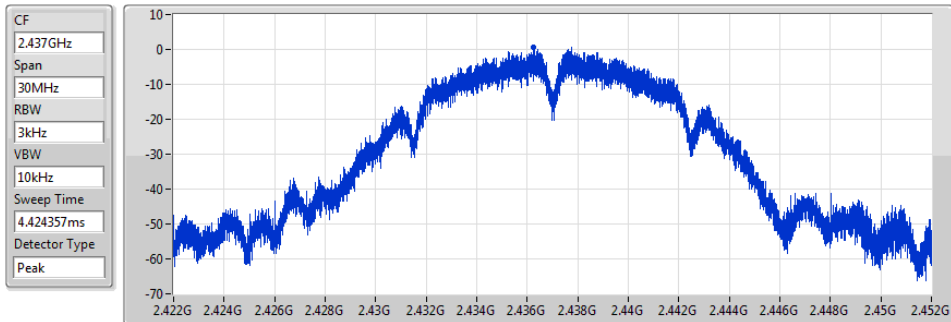
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.47	1.47	1.47

802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

05/10/2020



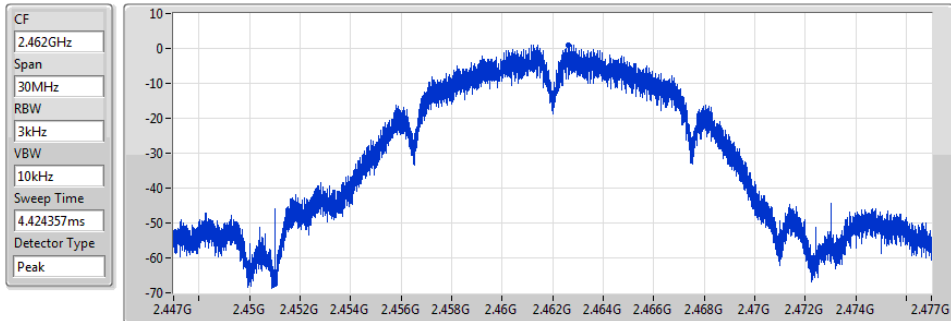
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.74	0.74	0.74

802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

05/10/2020



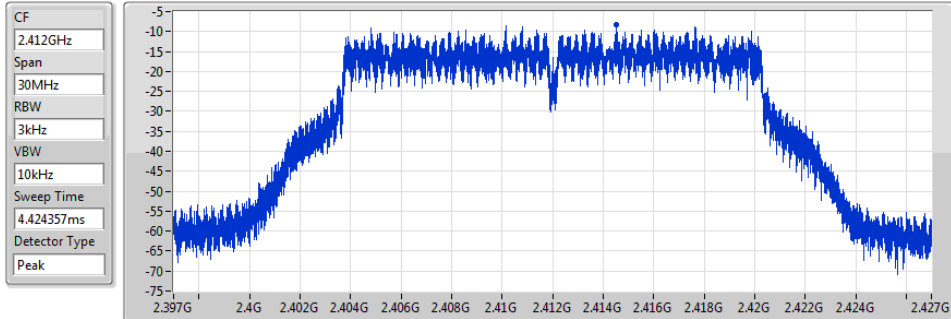
Sum	PD	Port1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.97	0.97	0.97

802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

05/10/2020



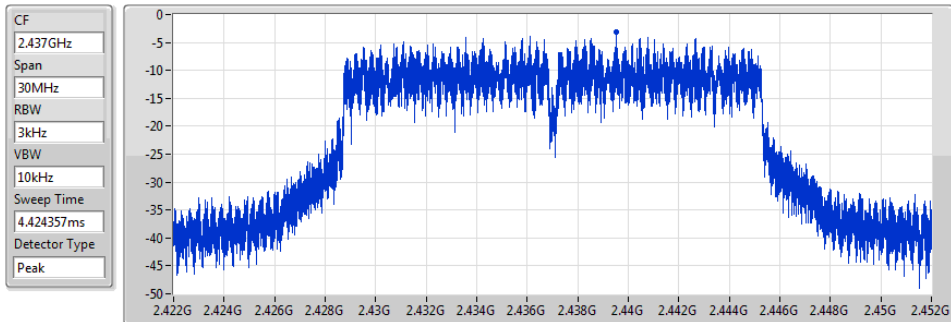
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-8.39	-8.39	-8.39

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

05/10/2020



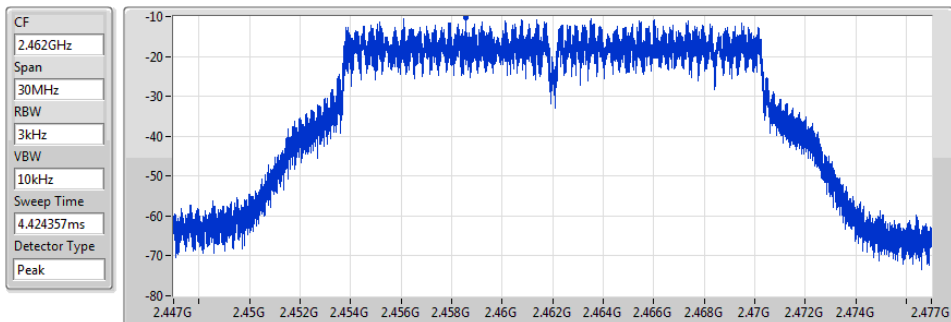
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.19	-3.19	-3.19

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

05/10/2020



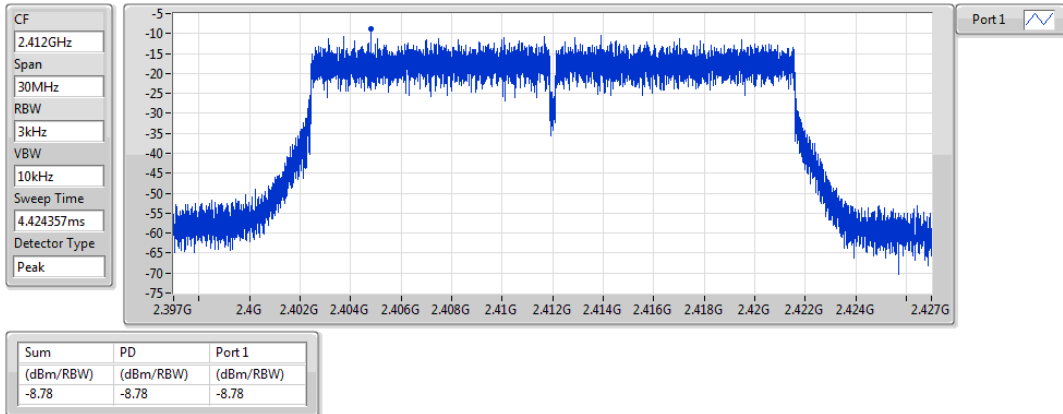
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-10.15	-10.15	-10.15

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2412MHz

05/10/2020

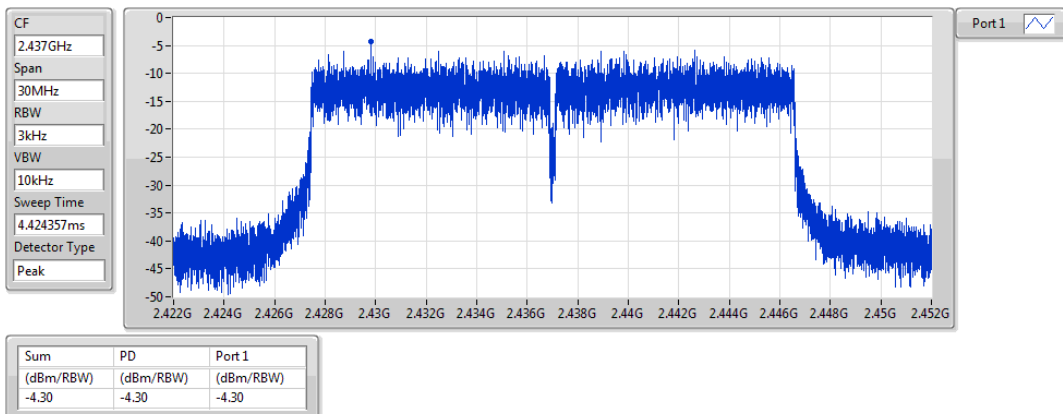


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2437MHz

05/10/2020

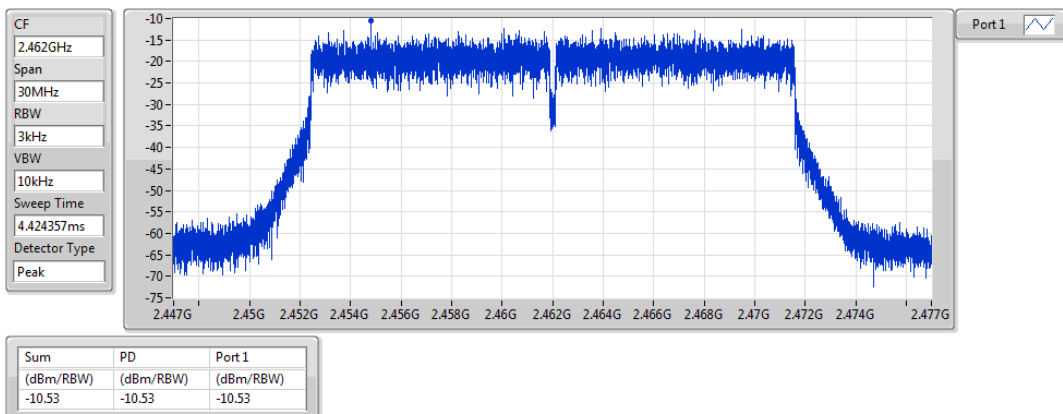


802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

2462MHz

05/10/2020

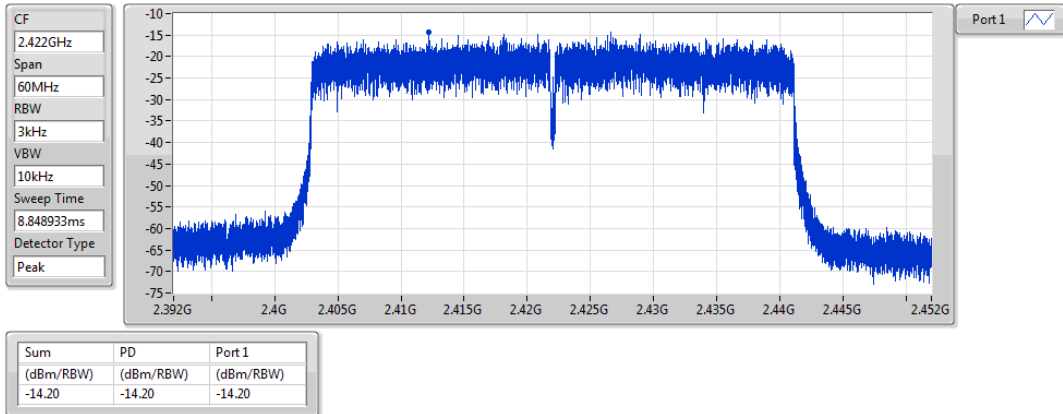


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2422MHz

05/10/2020

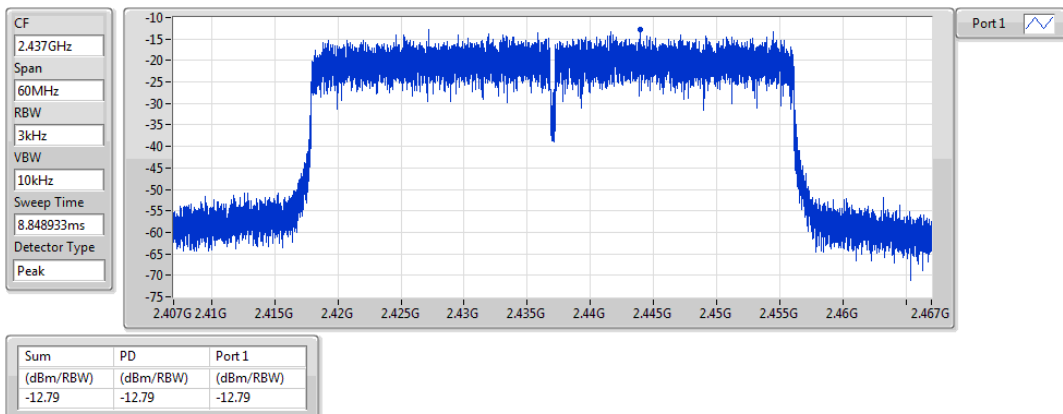


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2437MHz

05/10/2020

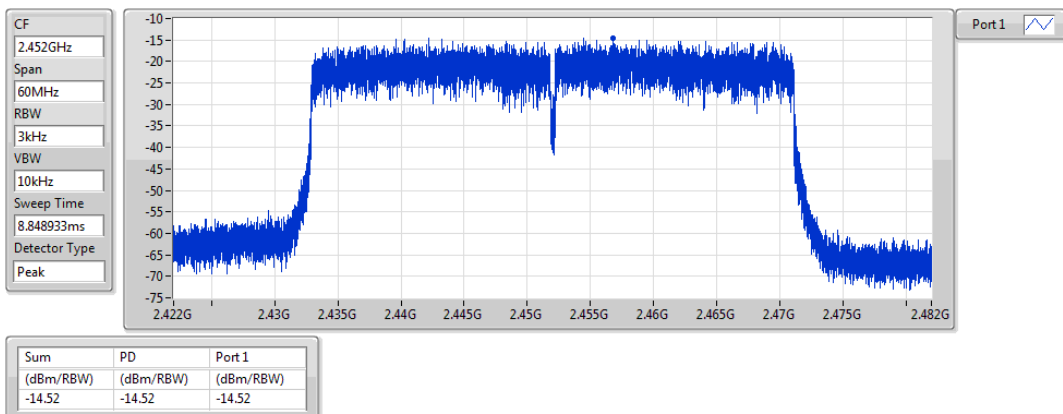


802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

2452MHz

05/10/2020



For non beamforming mode_2TX

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.62
802.11g_Nss1,(6Mbps)_2TX	-2.88
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.67
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.54

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	7.51	-3.80	-3.30	-1.85	6.49
2437MHz	Pass	7.51	0.64	1.11	2.62	6.49
2462MHz	Pass	7.51	-2.02	-2.15	-0.69	6.49
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.51	-9.08	-7.98	-6.50	6.49
2437MHz	Pass	7.51	-5.03	-5.24	-2.88	6.49
2462MHz	Pass	7.51	-10.58	-9.17	-6.81	6.49
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.51	-11.07	-11.46	-8.25	6.49
2437MHz	Pass	7.51	-4.92	-4.46	-1.67	6.49
2462MHz	Pass	7.51	-13.44	-11.75	-9.70	6.49
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.51	-14.62	-14.73	-12.83	6.49
2437MHz	Pass	7.51	-13.23	-13.90	-10.54	6.49
2452MHz	Pass	7.51	-14.30	-13.87	-11.32	6.49

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

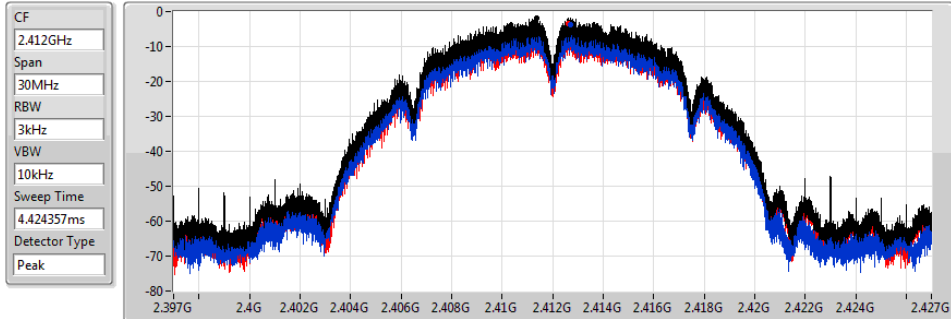
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

05/10/2020



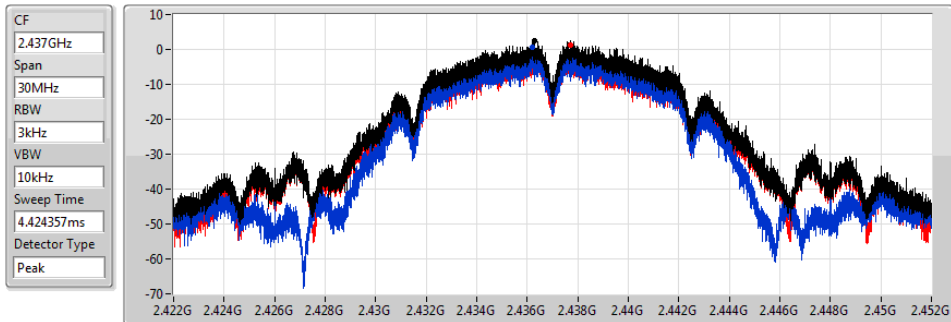
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.85	-1.85	-3.80	-3.30

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

05/10/2020



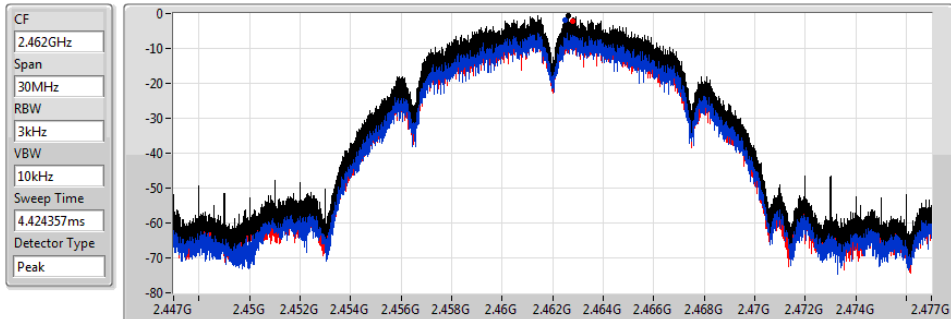
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.62	2.62	0.64	1.11

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

05/10/2020



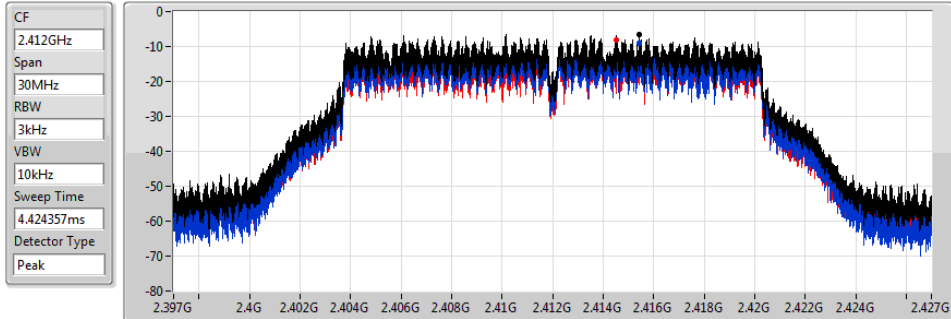
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.69	-0.69	-2.02	-2.15

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

05/10/2020



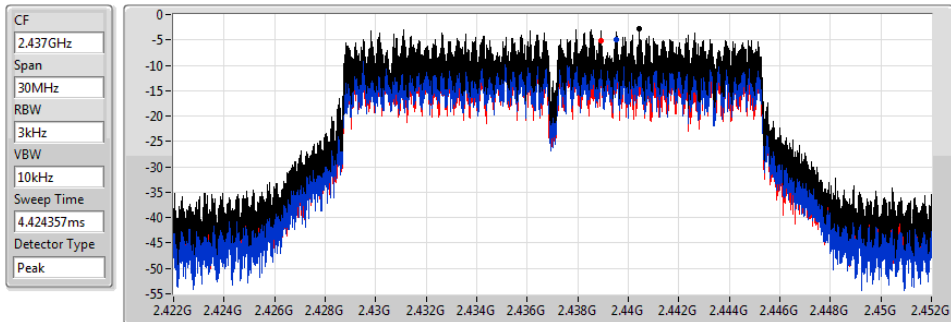
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.50	-6.50	-9.08	-7.98

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

05/10/2020



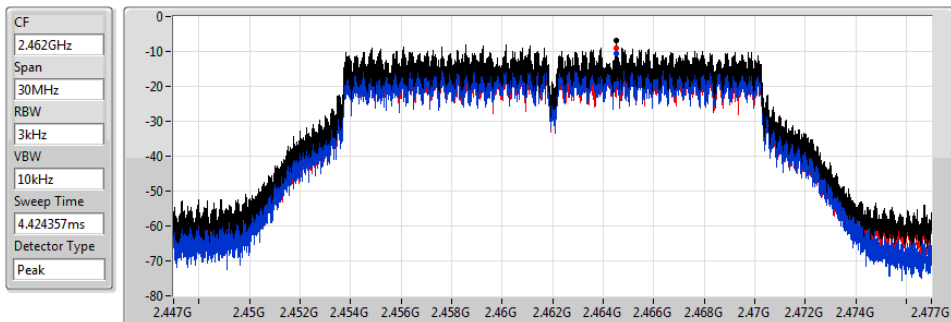
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.88	-2.88	-5.03	-5.24

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

05/10/2020



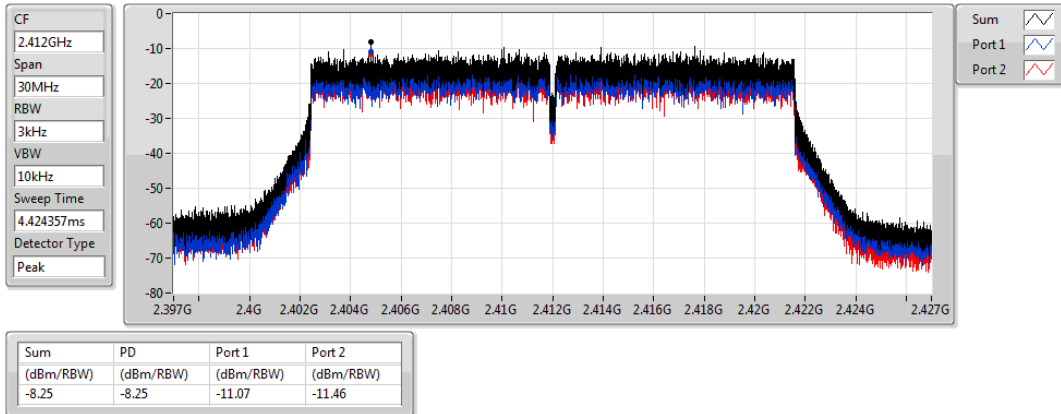
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.81	-6.81	-10.58	-9.17

802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2020

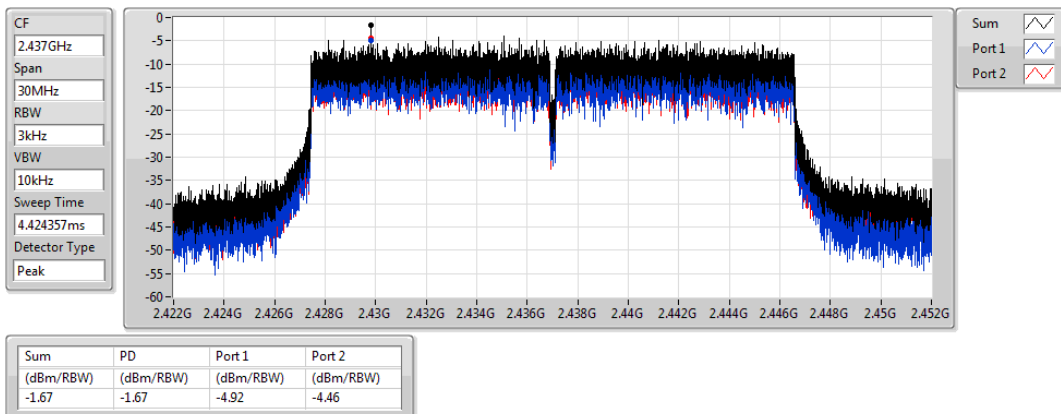


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2020

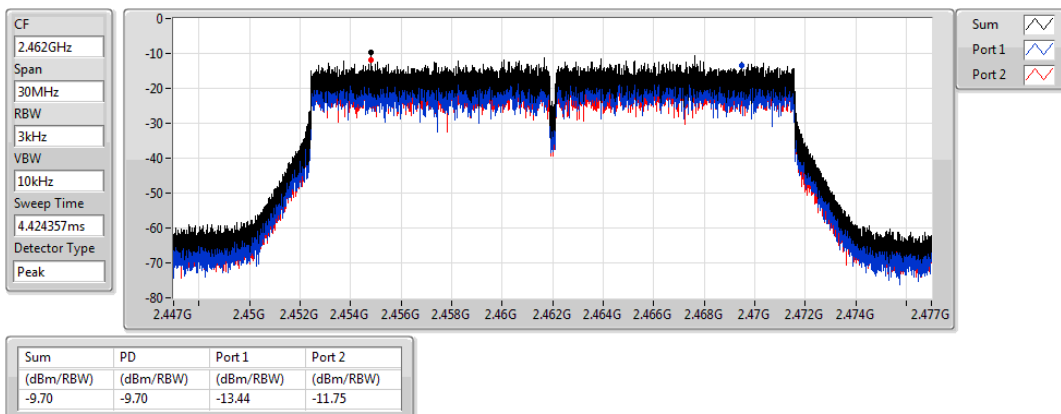


802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2020

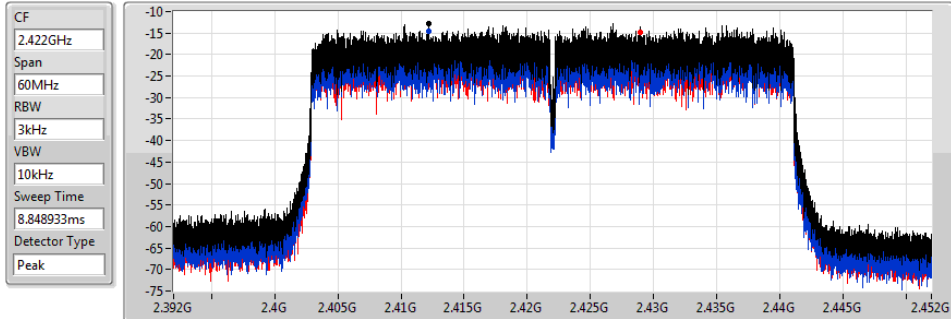


802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2020



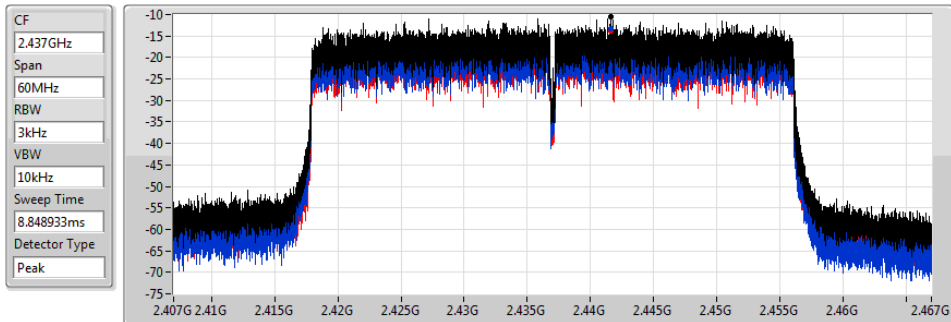
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.83	-12.83	-14.62	-14.73

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2020



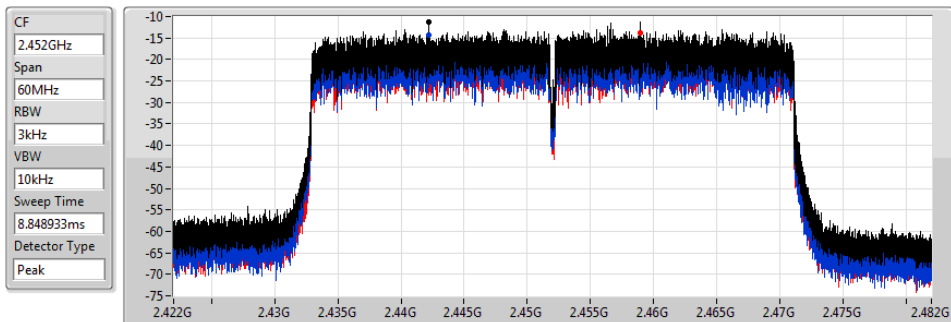
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.54	-10.54	-13.23	-13.90

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2020



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.32	-11.32	-14.30	-13.87

For beamforming mode_2TX**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-2.01
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-11.43

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	7.51	-10.99	-9.26	-8.80	6.49
2437MHz	Pass	7.51	-5.27	-4.78	-2.01	6.49
2462MHz	Pass	7.51	-10.23	-11.06	-7.61	6.49
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.51	-14.89	-14.69	-12.23	6.49
2437MHz	Pass	7.51	-14.20	-13.91	-11.43	6.49
2452MHz	Pass	7.51	-15.84	-15.68	-12.92	6.49

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

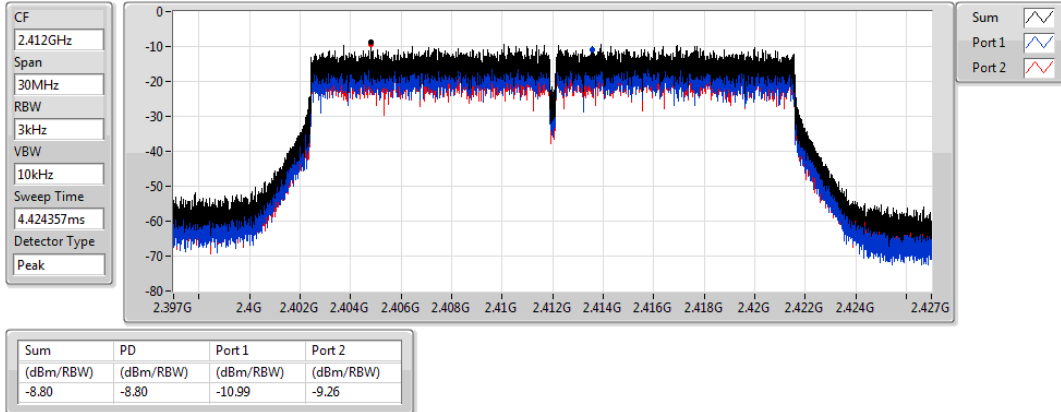
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

05/10/2020

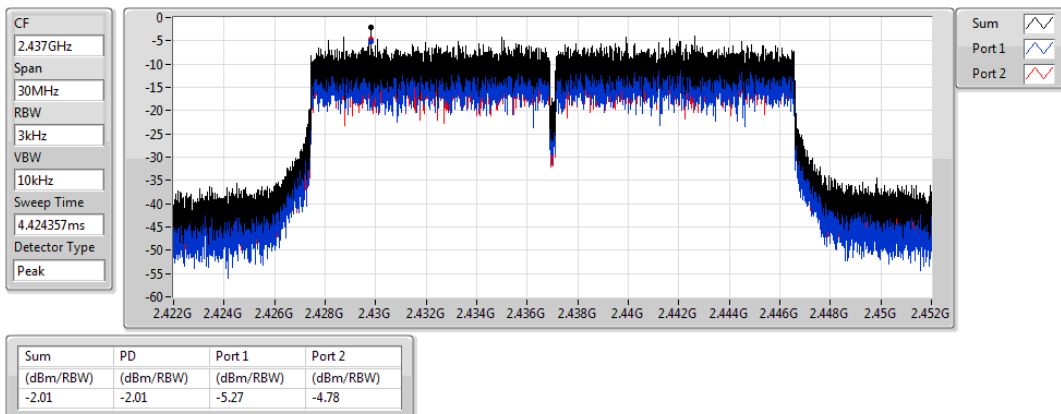


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2020

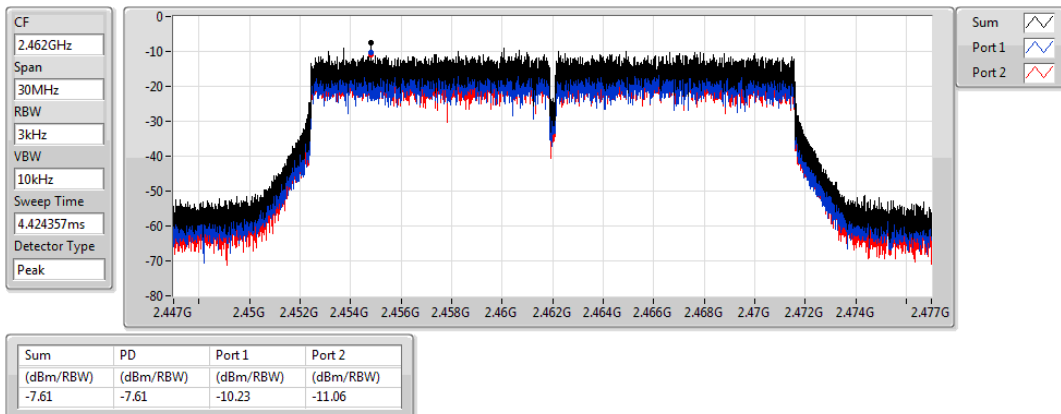


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

05/10/2020

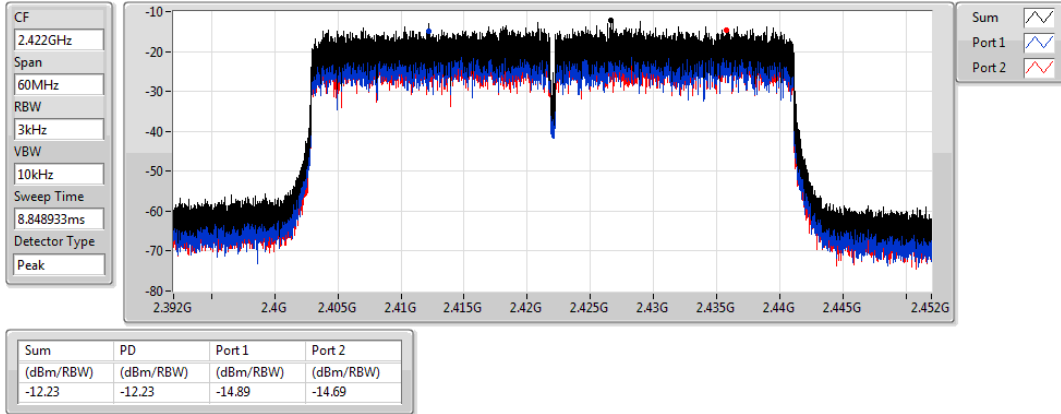


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

05/10/2020

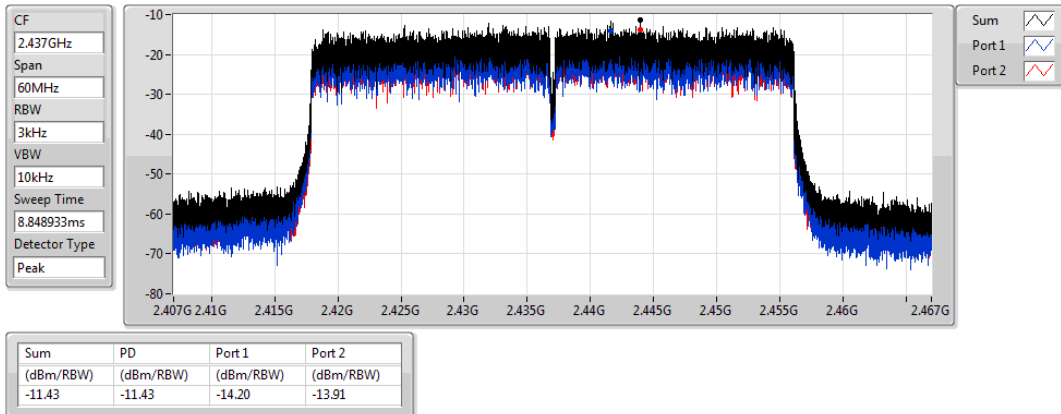


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

05/10/2020

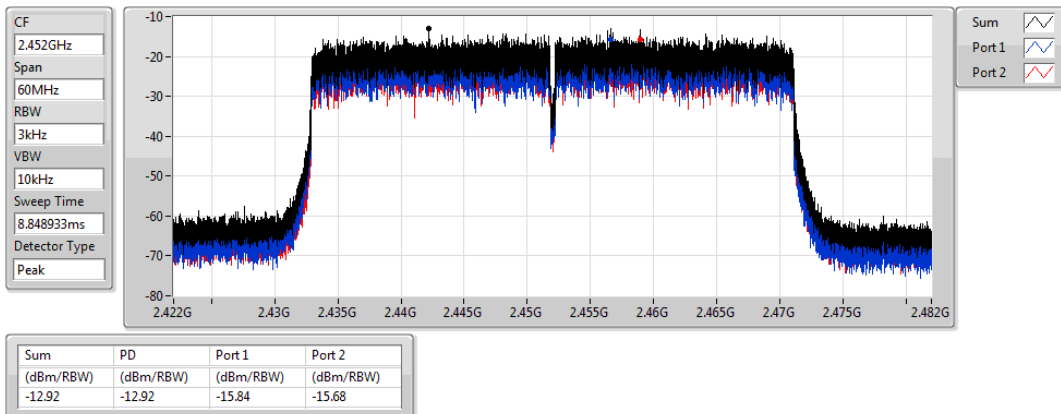


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

05/10/2020



**For non beamforming mode_1TX
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)_1TX	Pass	2.43649G	15.56	-14.44	740.94M	-52.94	2.39904G	-29.34	2.4G	-34.71	2.49096G	-49.78	24.03351G	-43.32	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.442G	10.92	-19.08	159.9M	-51.56	2.3999G	-33.19	2.4G	-33.35	2.4995G	-50.59	23.32269G	-43.07	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.44451G	9.51	-20.49	2.30029G	-52.41	2.3996G	-31.39	2.4G	-33.36	2.48912G	-50.83	16.63874G	-43.64	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.44075G	2.32	-27.68	877.01M	-52.40	2.39952G	-37.00	2.4G	-40.61	2.48382G	-42.14	24.06328G	-43.01	1

Result

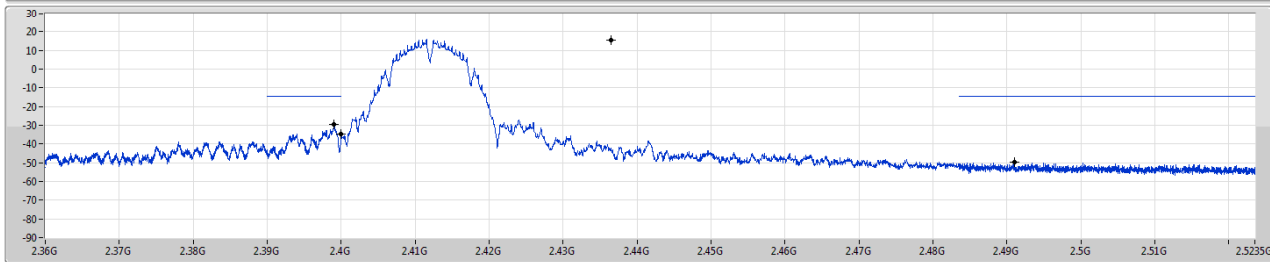
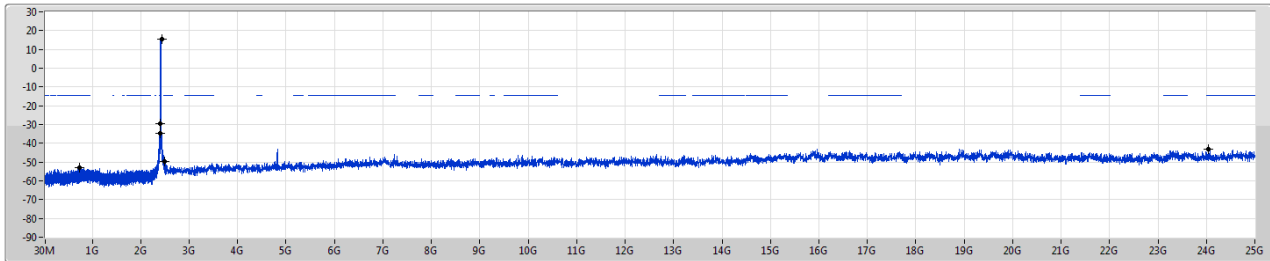
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	15.56	-14.44	740.94M	-52.94	2.39904G	-29.34	2.4G	-34.71	2.49096G	-49.78	24.03351G	-43.32	1
2437MHz	Pass	2.43649G	15.56	-14.44	885.69M	-52.94	2.399G	-40.35	2.4G	-43.39	2.48786G	-43.82	23.23559G	-41.98	1
2462MHz	Pass	2.43649G	15.56	-14.44	1.99157G	-52.25	2.4G	-46.00	2.4835G	-43.70	2.48602G	-38.36	17.25123G	-43.77	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	10.92	-19.08	159.9M	-51.56	2.3999G	-33.19	2.4G	-33.35	2.4995G	-50.59	23.32269G	-43.07	1
2437MHz	Pass	2.442G	10.92	-19.08	2.30874G	-51.86	2.39924G	-36.16	2.4G	-37.50	2.48446G	-39.59	24.98876G	-41.73	1
2462MHz	Pass	2.442G	10.92	-19.08	2.30233G	-52.21	2.3952G	-51.54	2.4835G	-48.09	2.48448G	-45.33	17.65861G	-43.77	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	9.51	-20.49	2.30029G	-52.41	2.3996G	-31.39	2.4G	-33.36	2.48912G	-50.83	16.63874G	-43.64	1
2437MHz	Pass	2.44451G	9.51	-20.49	159.9M	-50.54	2.39976G	-37.58	2.4G	-39.22	2.4847G	-39.29	24.65442G	-43.04	1
2462MHz	Pass	2.44451G	9.51	-20.49	2.30525G	-52.03	2.39086G	-50.96	2.4835G	-50.22	2.48402G	-41.11	24.705G	-43.22	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	2.32	-27.68	2.30225G	-50.93	2.39876G	-40.68	2.4G	-43.01	2.49022G	-50.32	24.60175G	-43.44	1
2437MHz	Pass	2.44075G	2.32	-27.68	877.01M	-52.40	2.39952G	-37.00	2.4G	-40.61	2.48382G	-42.14	24.06328G	-43.01	1
2452MHz	Pass	2.44075G	2.32	-27.68	889.61M	-52.90	2.399G	-48.28	2.4835G	-49.24	2.48958G	-44.21	24.61017G	-43.12	1

802.11b_Nss1,(1Mbps)_1TX

2412MHz

CSE NdB

05/10/2020



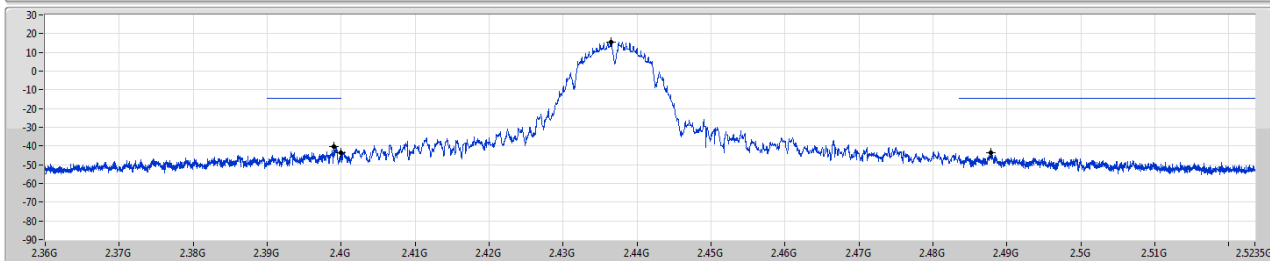
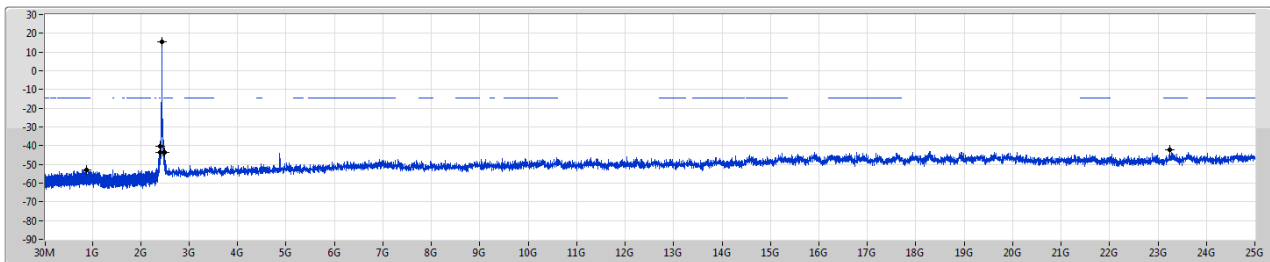
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	15.56	-14.44	740.94M	-52.94	2.39904G	-29.34	2.4G	-34.71	2.49096G	-49.78	24.03351G	-43.32	1

802.11b_Nss1,(1Mbps)_1TX

2437MHz

CSE NdB

05/10/2020



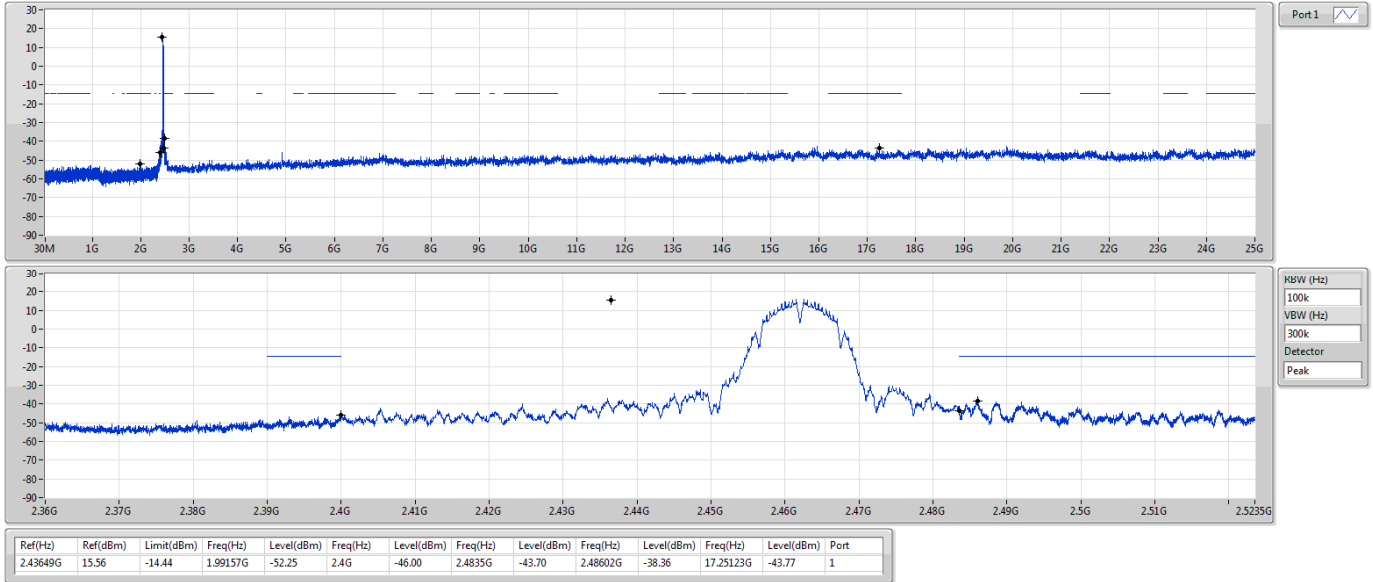
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2.43649G	15.56	-14.44	885.69M	-52.94	2.399G	-40.35	2.4G	-43.39	2.48786G	-43.82	23.23559G	-41.98	1

802.11b_Nss1,(1Mbps)_1TX

2462MHz

CSE NdB

05/10/2020

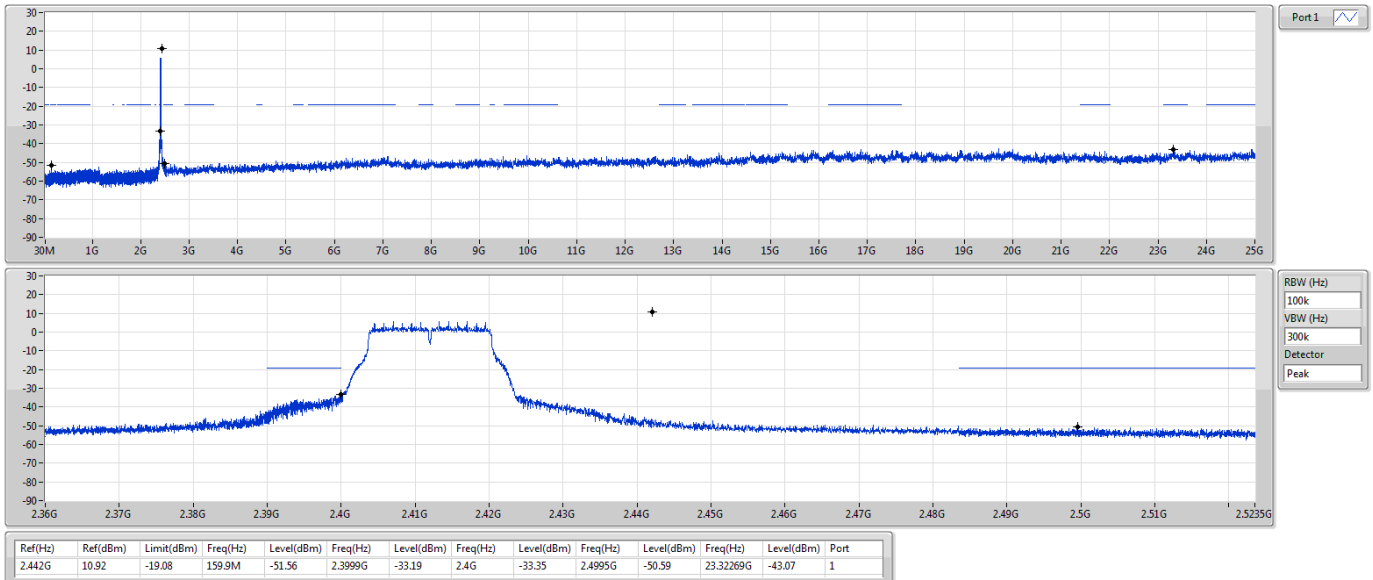


802.11g_Nss1,(6Mbps)_1TX

2412MHz

CSE NdB

05/10/2020

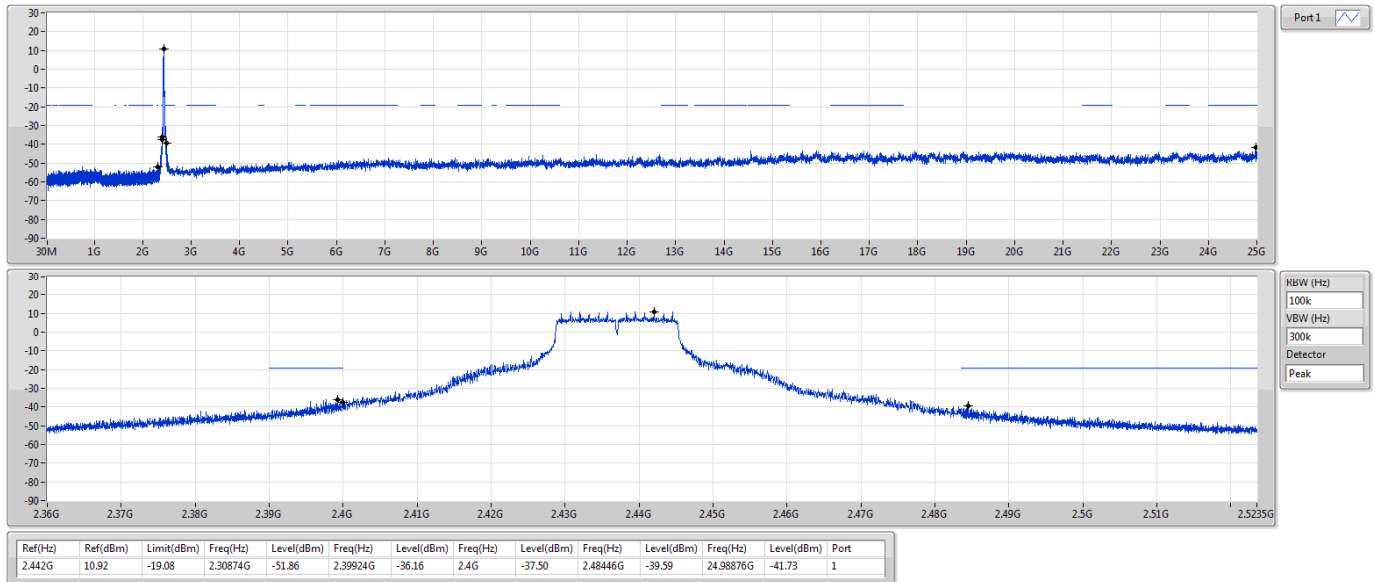


802.11g_Nss1,(6Mbps)_1TX

2437MHz

CSE NdB

05/10/2020

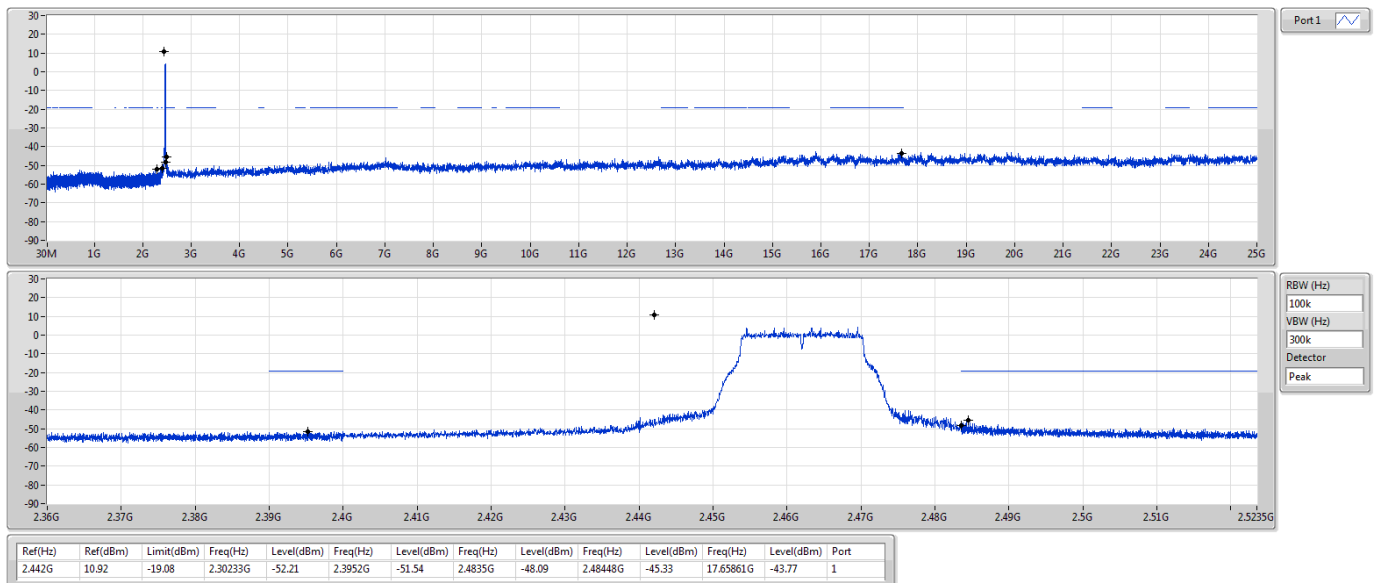


802.11g_Nss1,(6Mbps)_1TX

2462MHz

CSE NdB

05/10/2020

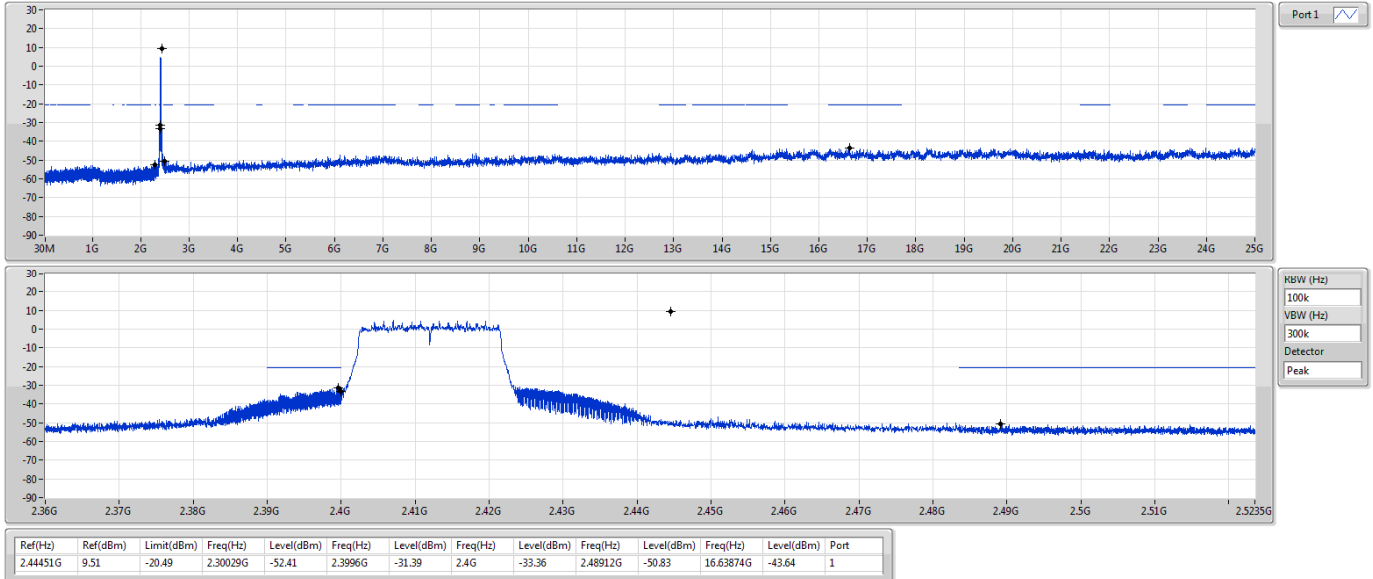


802.11ax HEW20_Nss1,(MCS0)_1TX

2412MHz

CSE NdB

05/10/2020

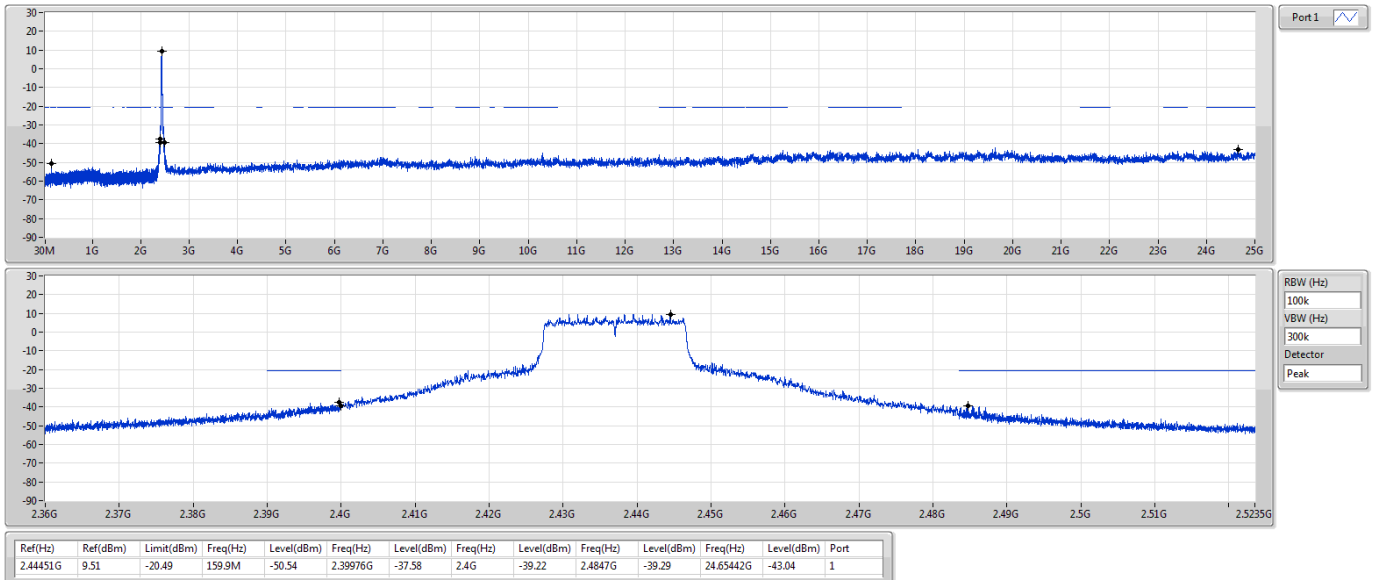


802.11ax HEW20_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

05/10/2020

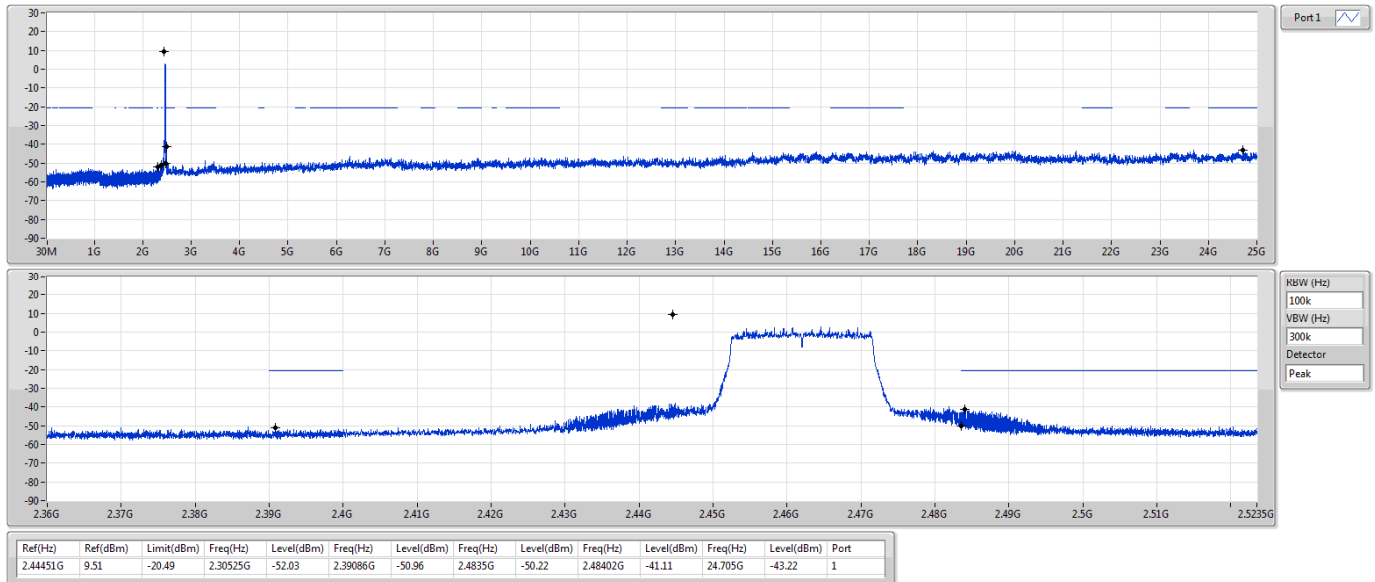


802.11ax HEW20_Nss1,(MCS0)_1TX

2462MHz

CSE NdB

05/10/2020

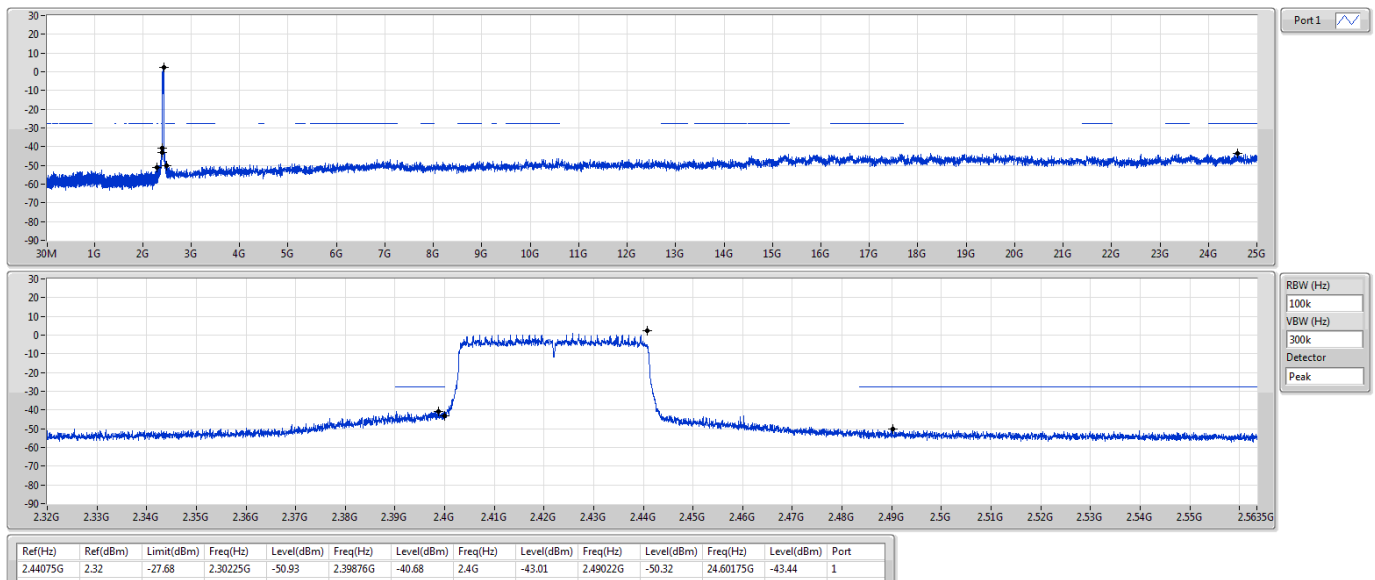


802.11ax HEW40_Nss1,(MCS0)_1TX

2422MHz

CSE NdB

05/10/2020

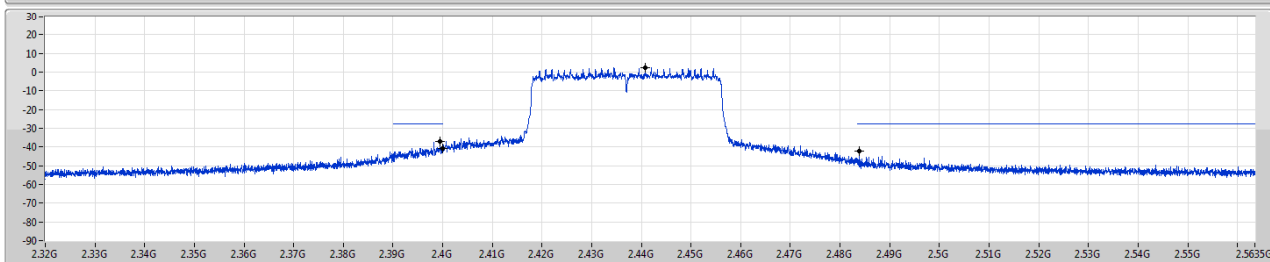
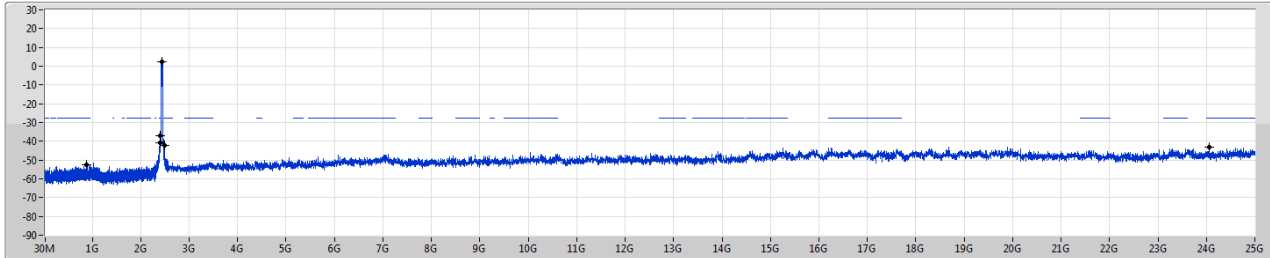


802.11ax HEW40_Nss1,(MCS0)_1TX

2437MHz

CSE NdB

05/10/2020



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
2.44075G	2.32	-27.68	877.01M	-52.40	2.39952G	-37.00	2.4G	-40.61	2.48382G	-42.14	2.46328G	-43.01	1

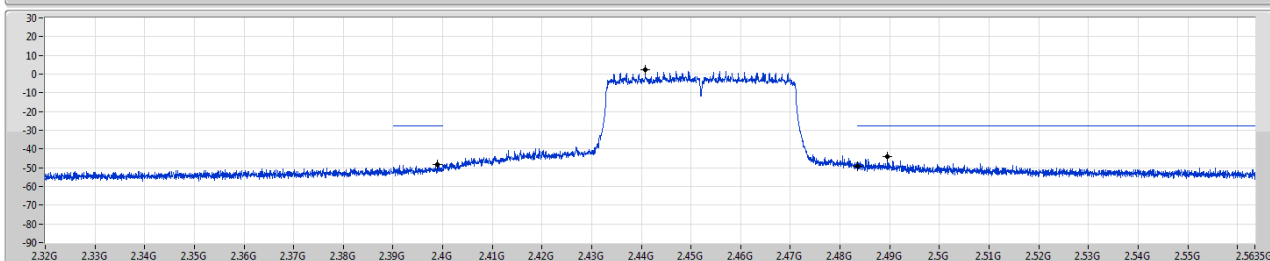
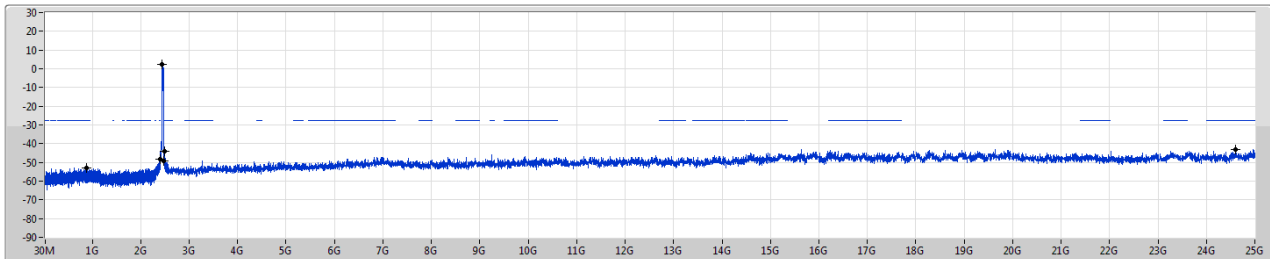
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

802.11ax HEW40_Nss1,(MCS0)_1TX

2452MHz

CSE NdB

05/10/2020



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
2.44075G	2.32	-27.68	889.61M	-52.90	2.399G	-48.28	2.4835G	-49.24	2.48958G	-44.21	2.461017G	-43.12	1

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

**For non beamforming mode_2TX
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	2.43803G	15.78	-14.22	585.12M	-52.14	2.39652G	-40.40	2.4G	-44.27	2.48866G	-43.60	16.24821G	-43.54	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.4395G	9.13	-20.87	313.68M	-53.02	2.3992G	-29.50	2.4G	-34.25	2.49306G	-50.52	24.63757G	-42.82	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.442G	8.43	-21.57	2.14914G	-52.57	2.39744G	-36.48	2.4G	-38.83	2.4846G	-38.23	24.90447G	-43.01	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.442G	1.66	-28.34	2.30254G	-52.56	2.39956G	-39.59	2.4G	-42.73	2.48606G	-44.05	24.97195G	-43.07	2

**Result**

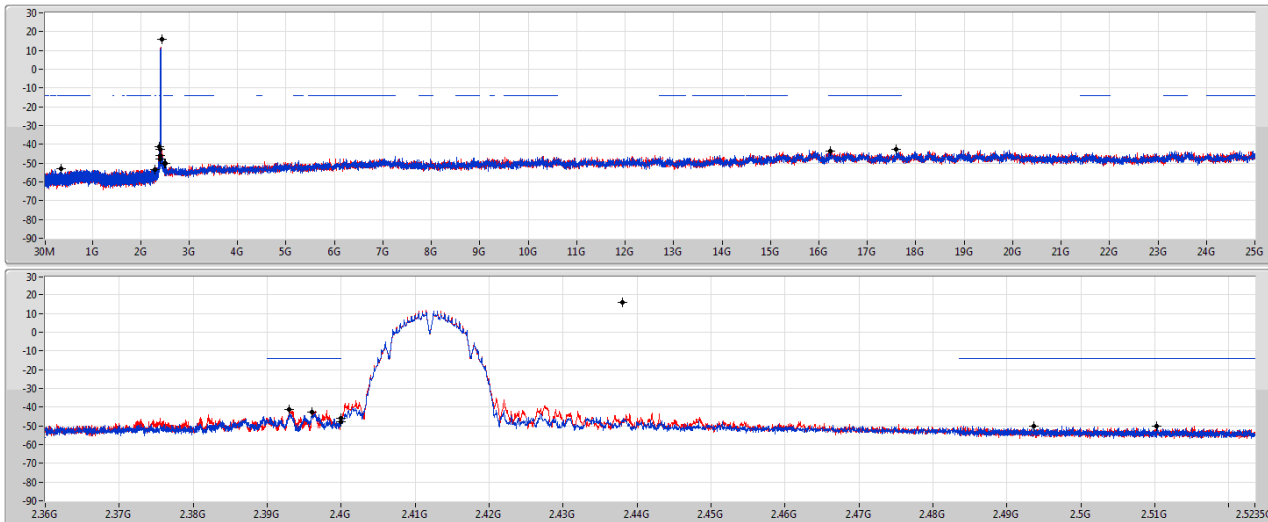
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43803G	15.78	-14.22	2.30059G	-53.21	2.39604G	-42.84	2.4G	-47.72	2.51028G	-50.14	17.59961G	-42.70	1
2412MHz	Pass	2.43803G	15.78	-14.22	363.48M	-53.04	2.393G	-41.41	2.4G	-46.06	2.49364G	-50.08	16.22855G	-43.36	2
2437MHz	Pass	2.43803G	15.78	-14.22	159.9M	-51.01	2.39998G	-44.32	2.4G	-43.73	2.49634G	-45.14	24.60104G	-42.80	1
2437MHz	Pass	2.43803G	15.78	-14.22	585.12M	-52.14	2.39652G	-40.40	2.4G	-44.27	2.48866G	-43.60	16.24821G	-43.54	2
2462MHz	Pass	2.43803G	15.78	-14.22	159.9M	-53.11	2.39822G	-50.48	2.4835G	-49.10	2.49202G	-43.17	24.52799G	-42.70	1
2462MHz	Pass	2.43803G	15.78	-14.22	699M	-52.79	2.397G	-50.36	2.4835G	-45.01	2.48398G	-41.16	24.60104G	-43.69	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4395G	9.13	-20.87	2.127G	-51.83	2.39928G	-35.69	2.4G	-34.83	2.50666G	-49.96	24.92976G	-43.27	1
2412MHz	Pass	2.4395G	9.13	-20.87	313.68M	-53.02	2.3992G	-29.50	2.4G	-34.25	2.49306G	-50.52	24.63757G	-42.82	2
2437MHz	Pass	2.4395G	9.13	-20.87	2.05331G	-53.05	2.39764G	-40.90	2.4G	-43.78	2.4848G	-44.99	24.65442G	-43.10	1
2437MHz	Pass	2.4395G	9.13	-20.87	2.16224G	-53.26	2.39796G	-35.36	2.4G	-39.06	2.48448G	-39.11	17.63052G	-43.51	2
2462MHz	Pass	2.4395G	9.13	-20.87	1.98371G	-52.27	2.39388G	-50.92	2.4835G	-50.85	2.4874G	-48.82	16.26507G	-43.62	1
2462MHz	Pass	2.4395G	9.13	-20.87	1.96973G	-53.13	2.39928G	-51.17	2.4835G	-43.35	2.48424G	-41.28	17.1838G	-41.96	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	8.43	-21.57	2.30641G	-52.92	2.39872G	-38.95	2.4G	-41.03	2.48796G	-51.19	16.29878G	-43.63	1
2412MHz	Pass	2.442G	8.43	-21.57	901.13M	-52.06	2.39848G	-37.68	2.4G	-38.90	2.48612G	-51.34	24.89043G	-43.44	2
2437MHz	Pass	2.442G	8.43	-21.57	2.30379G	-52.74	2.3989G	-40.69	2.4G	-43.28	2.48708G	-42.86	24.64319G	-43.38	1
2437MHz	Pass	2.442G	8.43	-21.57	2.14914G	-52.57	2.39744G	-36.48	2.4G	-38.83	2.4846G	-38.23	24.90447G	-43.01	2
2462MHz	Pass	2.442G	8.43	-21.57	737.45M	-53.18	2.39214G	-51.74	2.4835G	-52.06	2.48404G	-45.32	17.22032G	-43.64	1
2462MHz	Pass	2.442G	8.43	-21.57	315.13M	-52.46	2.39278G	-51.92	2.4835G	-47.61	2.48546G	-44.54	24.92414G	-42.87	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	1.66	-28.34	913.94M	-53.12	2.39764G	-42.51	2.4G	-45.45	2.48894G	-49.90	21.61209G	-43.60	1
2422MHz	Pass	2.442G	1.66	-28.34	913.65M	-52.94	2.39868G	-43.22	2.4G	-45.14	2.48838G	-50.85	24.47555G	-43.34	2
2437MHz	Pass	2.442G	1.66	-28.34	860.41M	-52.07	2.39952G	-39.84	2.4G	-43.43	2.48974G	-47.80	24.09693G	-42.40	1
2437MHz	Pass	2.442G	1.66	-28.34	2.30254G	-52.56	2.39956G	-39.59	2.4G	-42.73	2.48606G	-44.05	24.97195G	-43.07	2
2452MHz	Pass	2.442G	1.66	-28.34	2.3034G	-53.05	2.39576G	-47.71	2.4G	-49.57	2.4845G	-45.02	24.88221G	-43.08	1
2452MHz	Pass	2.442G	1.66	-28.34	952.01M	-52.45	2.39312G	-48.64	2.4835G	-46.97	2.48446G	-45.67	24.74759G	-43.44	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE NdB

05/10/2020



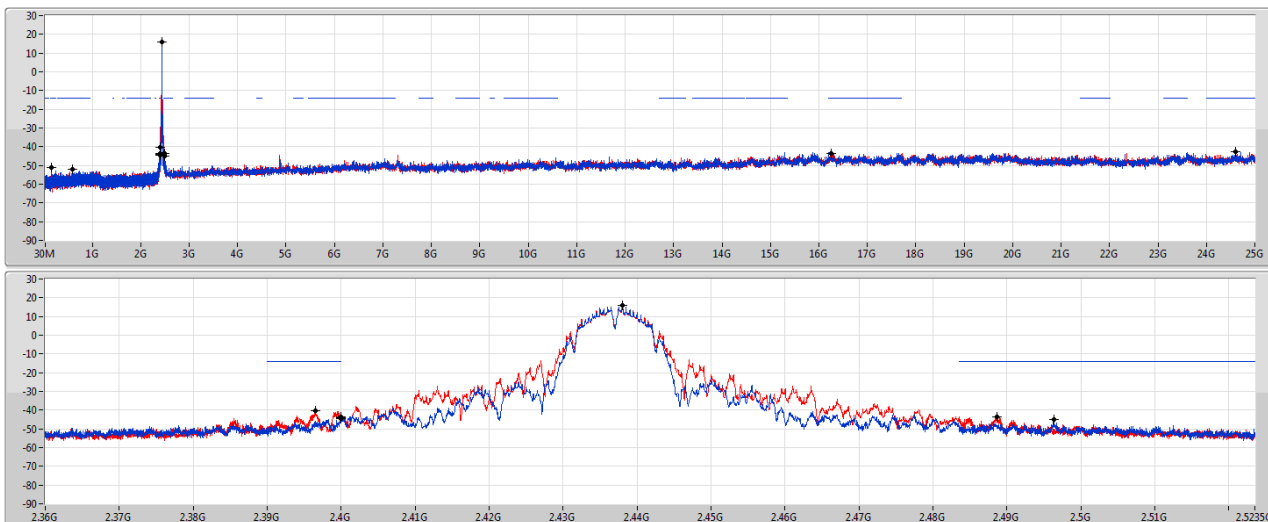
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43803G	15.78	-14.22	2.30059G	-53.21	2.39604G	-42.84	2.4G	-47.72	2.51028G	-50.14	17.59961G	-42.70	1
2.43803G	15.78	-14.22	363.48M	-53.04	2.393G	-41.41	2.4G	-46.06	2.49364G	-50.08	16.22855G	-43.36	2

802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSE NdB

05/10/2020



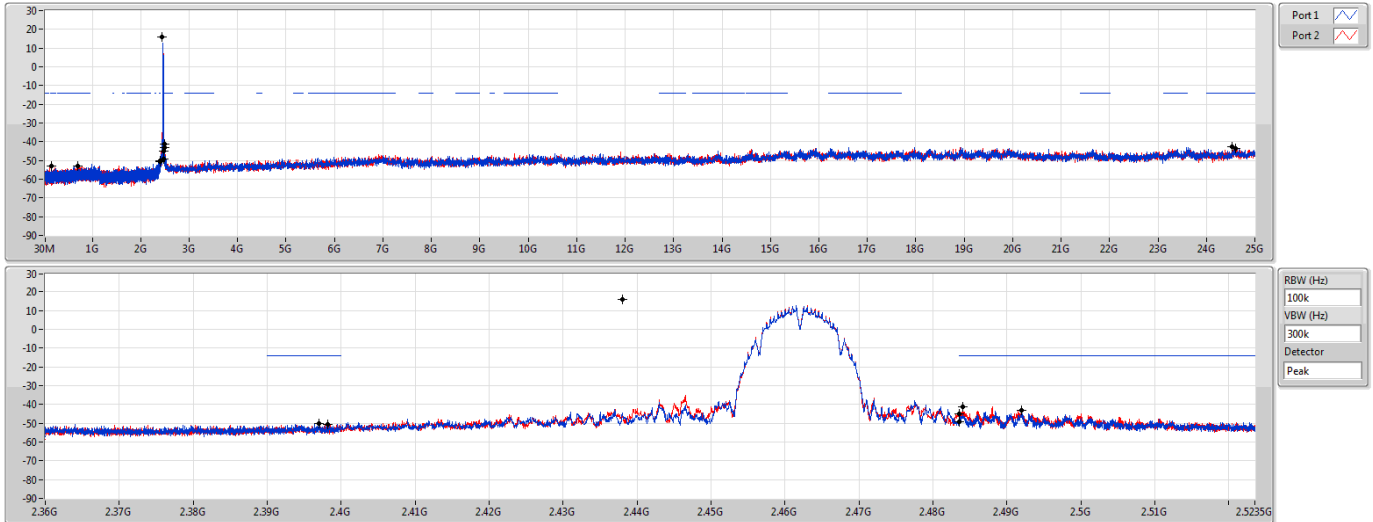
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43803G	15.78	-14.22	159.9M	-51.01	2.39998G	-44.32	2.4G	-43.73	2.49634G	-45.14	24.60104G	-42.80	1
2.43803G	15.78	-14.22	585.12M	-52.14	2.39652G	-40.40	2.4G	-44.27	2.48866G	-43.60	16.24821G	-43.54	2

802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSE NdB

05/10/2020



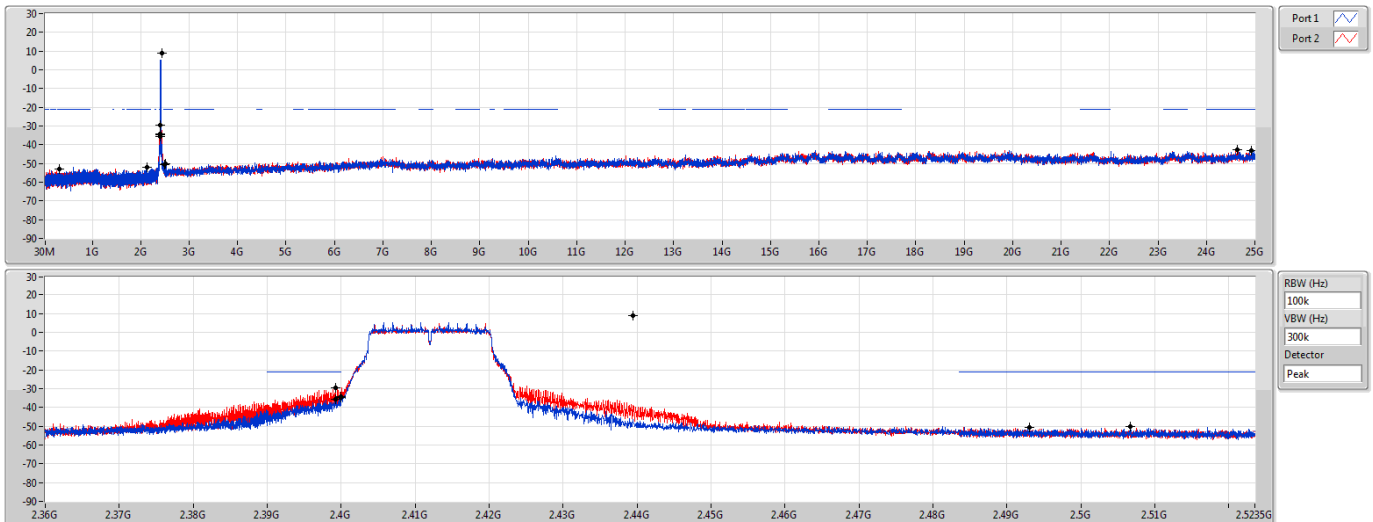
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2.43803G	15.78	-14.22	159.9M	-53.11	2.39822G	-50.48	2.4835G	-49.10	2.49202G	-43.17	24.52799G	-42.70	1
2.43803G	15.78	-14.22	699M	-52.79	2.397G	-50.36	2.4835G	-45.01	2.48398G	-41.16	24.60104G	-43.69	2

802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSE NdB

05/10/2020



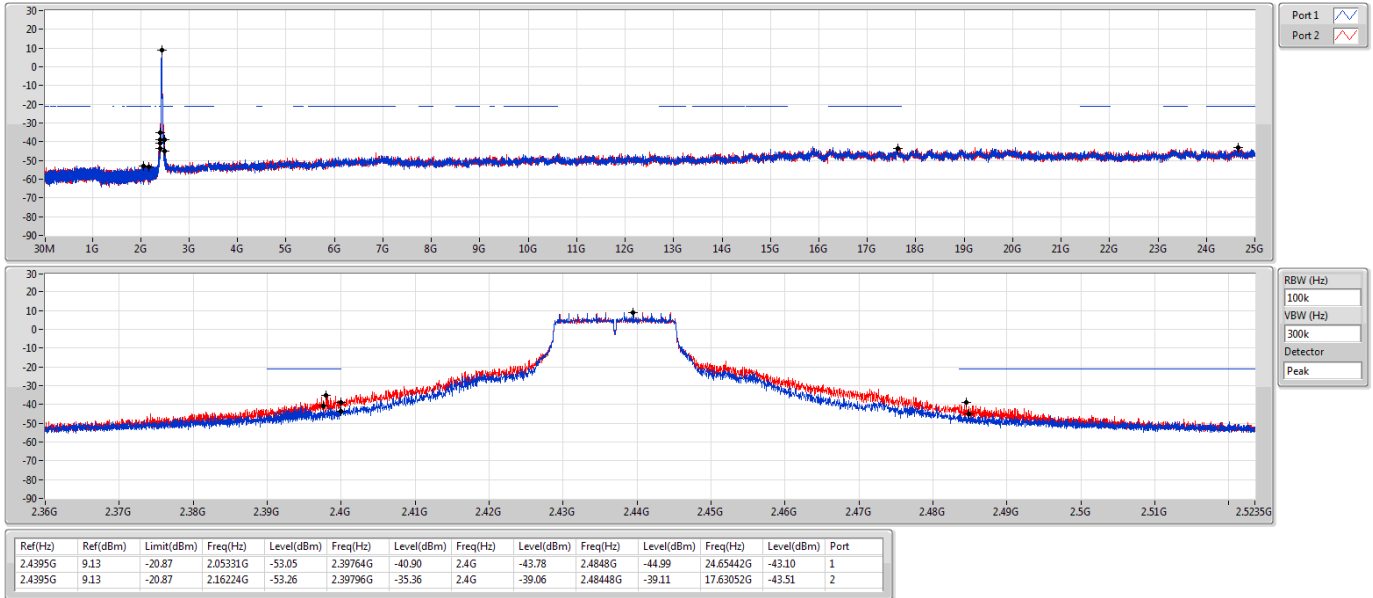
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2.4395G	9.13	-20.87	2.127G	-51.83	2.39928G	-35.69	2.4G	-34.83	2.50666G	-49.96	24.92976G	-43.27	1
2.4395G	9.13	-20.87	313.68M	-53.02	2.3992G	-29.50	2.4G	-34.25	2.49306G	-50.52	24.63757G	-42.82	2

802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE NdB

05/10/2020

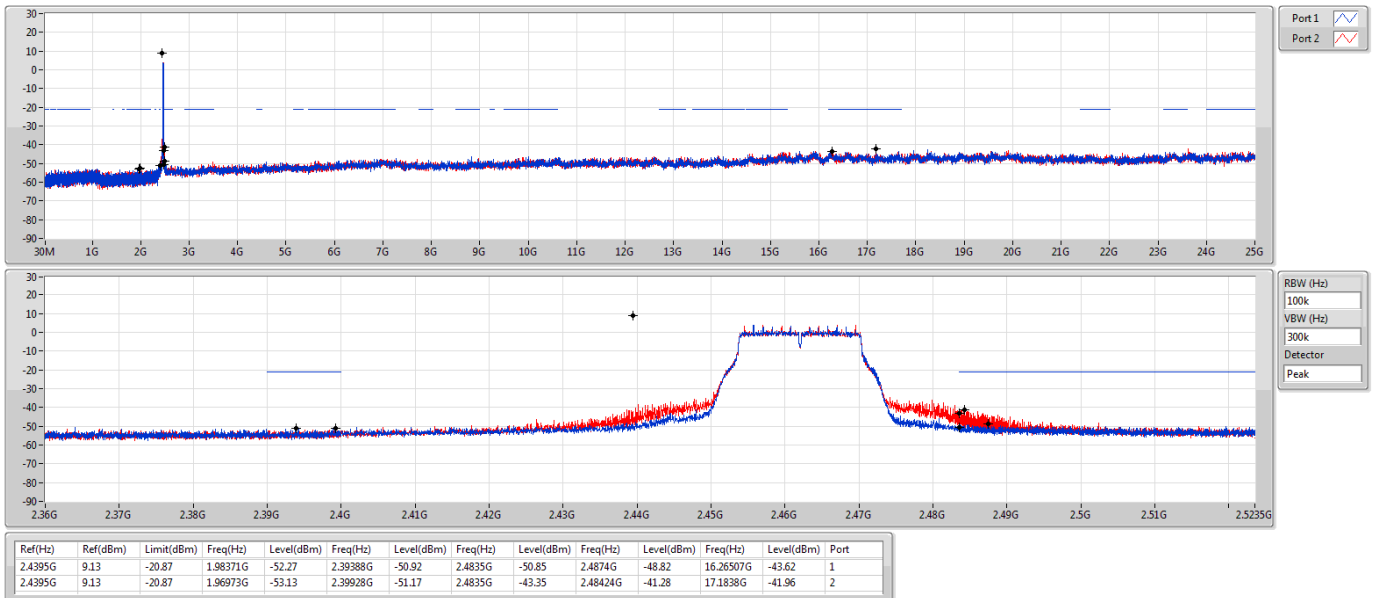


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE NdB

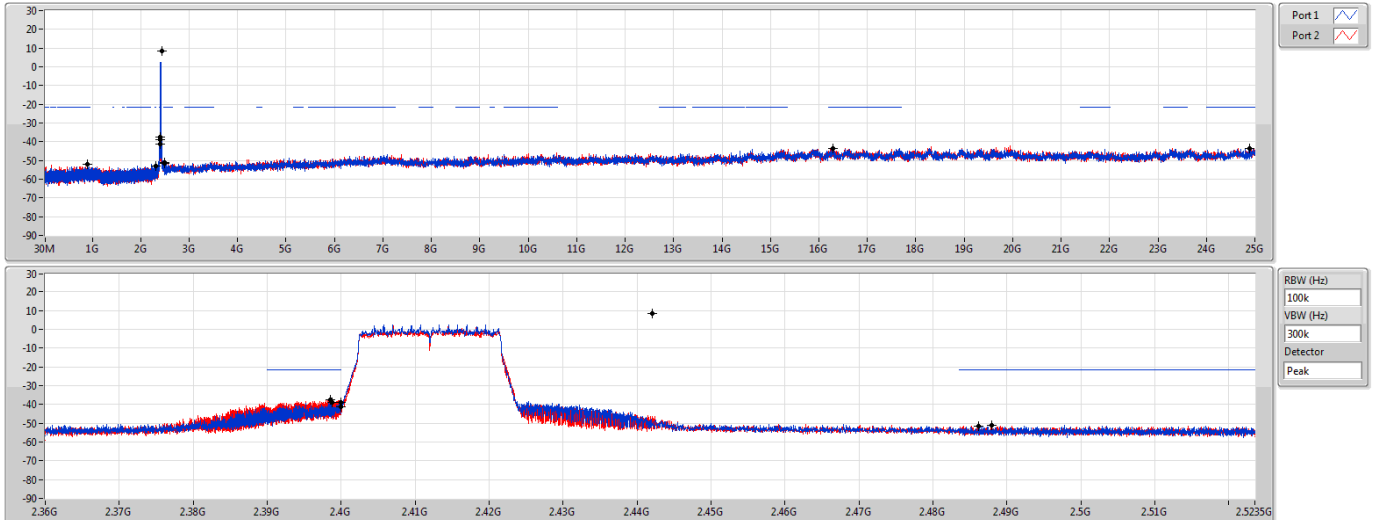
05/10/2020



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE NdB

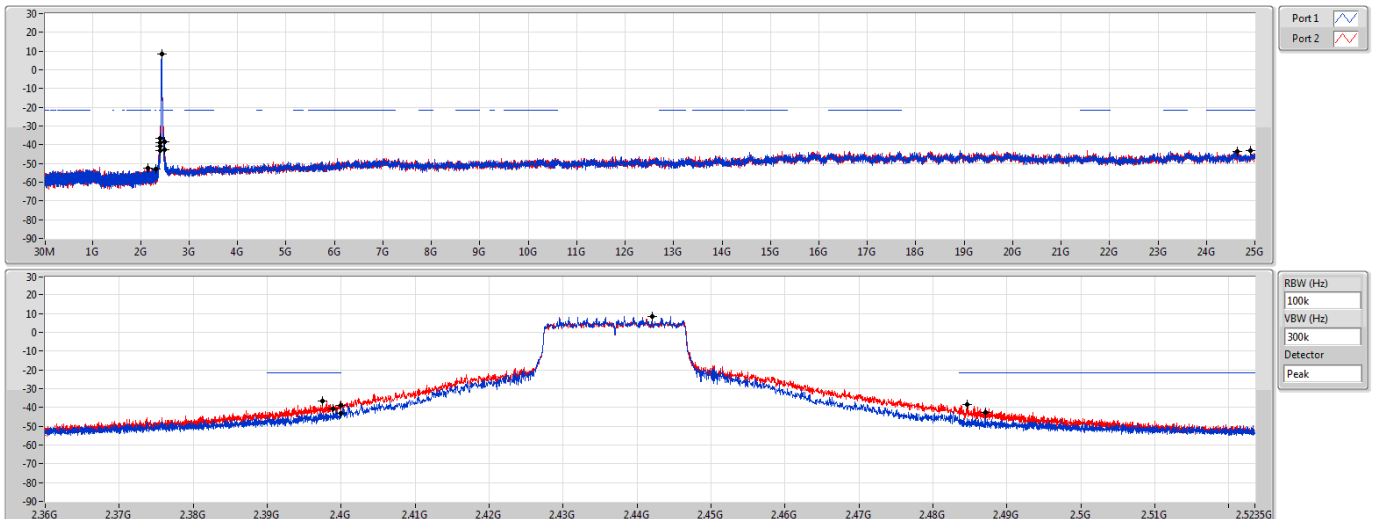
2412MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

CSE NdB

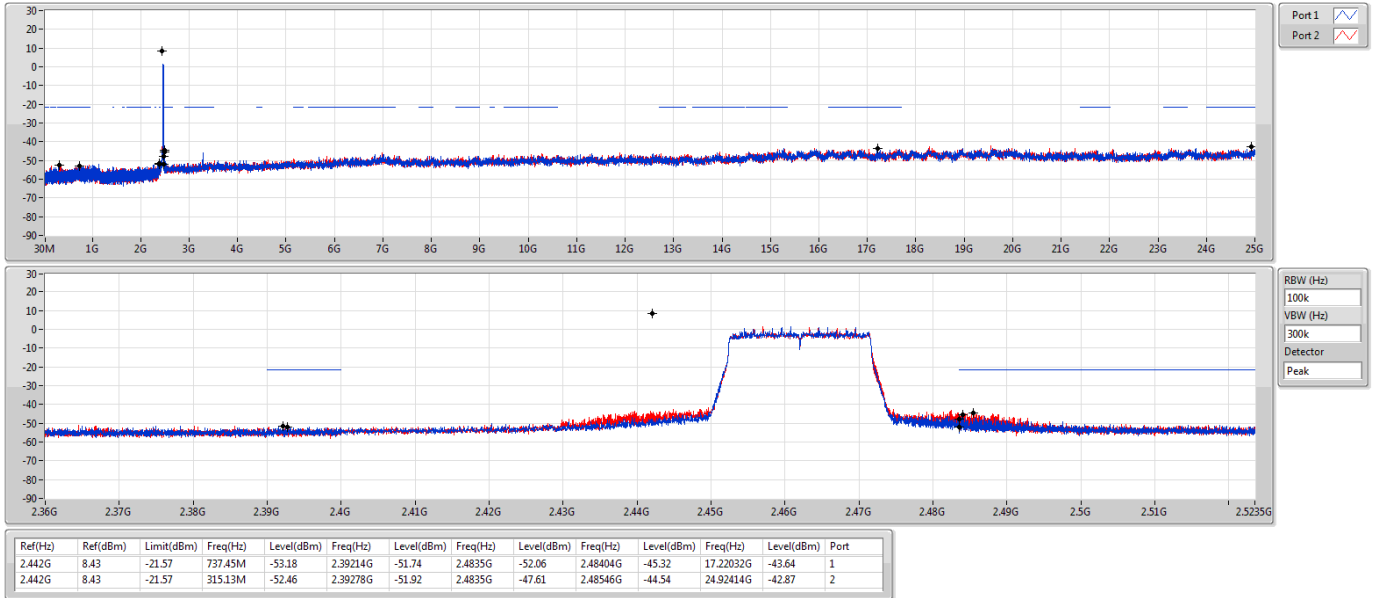
2437MHz



802.11ax HEW20_Nss1,(MCS0)_2TX

2462MHz

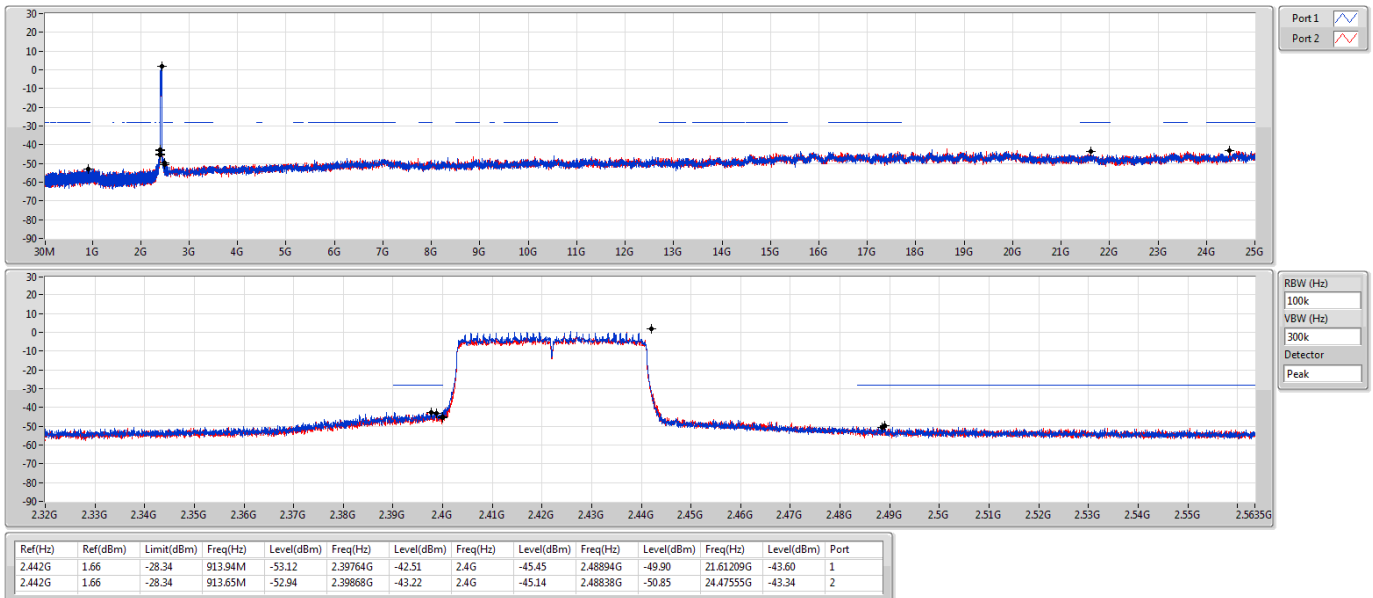
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_2TX

2422MHz

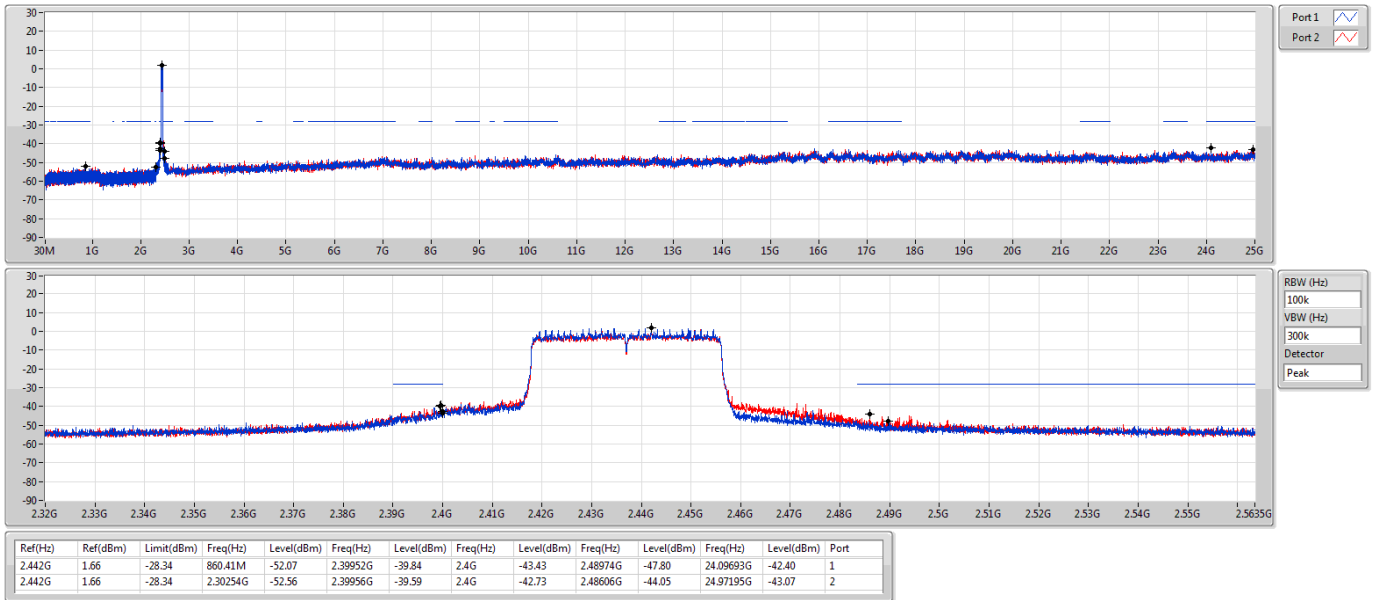
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_2TX

2437MHz

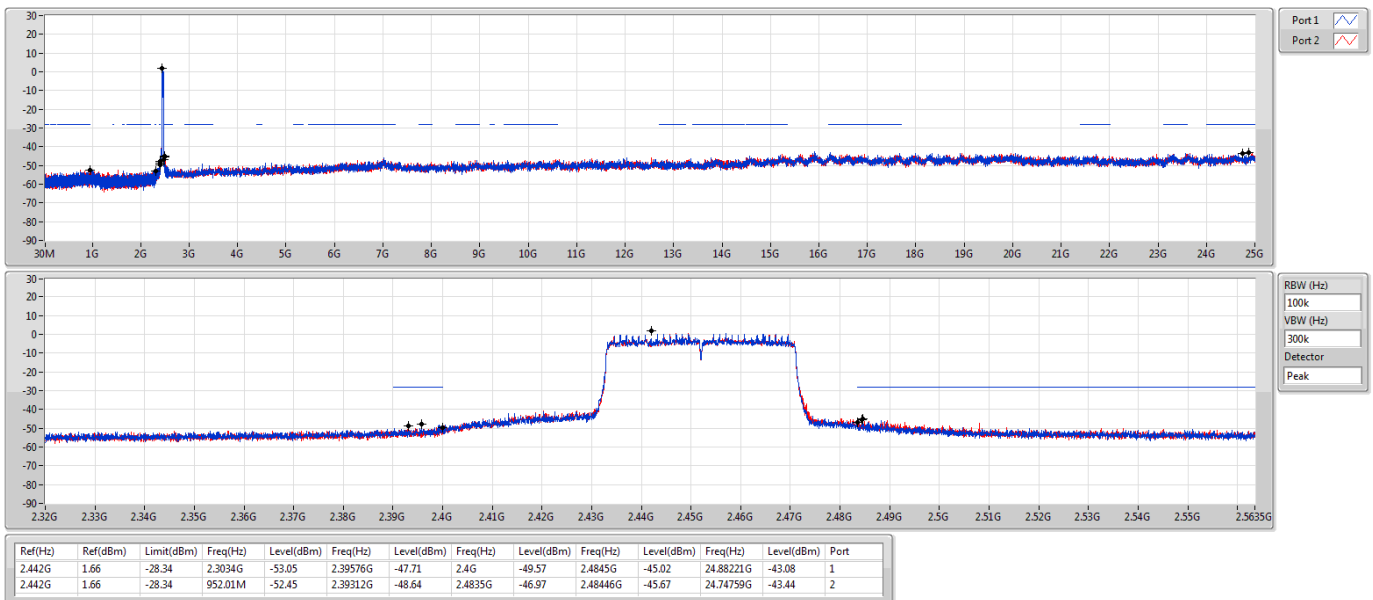
CSE NdB



802.11ax HEW40_Nss1,(MCS0)_2TX

2452MHz

CSE NdB





For beamforming mode_2TX
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	2.44451G	8.68	-21.32	159.9M	-51.99	2.39986G	-32.68	2.4G	-35.47	2.48712G	-50.52	17.60242G	-43.50	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43198G	0.82	-29.18	159.96M	-51.34	2.39956G	-41.41	2.4G	-43.49	2.4877G	-47.44	23.38177G	-43.13	2

Result

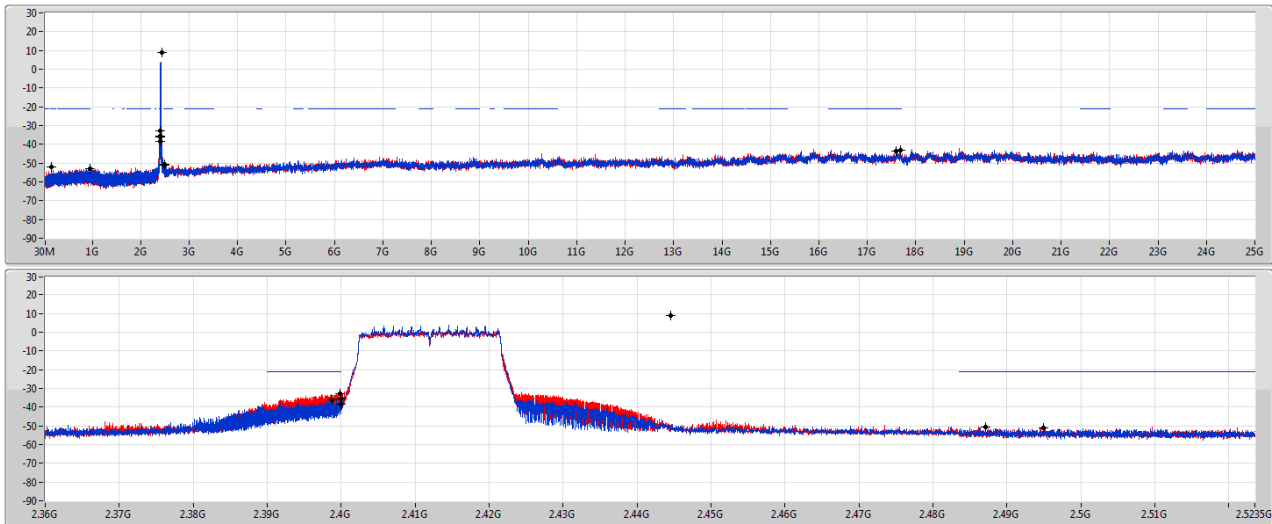
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	8.68	-21.32	959.38M	-52.97	2.3988G	-36.29	2.4G	-38.65	2.49492G	-51.02	17.68671G	-43.20	1
2412MHz	Pass	2.44451G	8.68	-21.32	159.9M	-51.99	2.39986G	-32.68	2.4G	-35.47	2.48712G	-50.52	17.60242G	-43.50	2
2437MHz	Pass	2.44451G	8.68	-21.32	823.66M	-52.51	2.3989G	-40.61	2.4G	-43.24	2.48366G	-44.93	24.62914G	-42.96	1
2437MHz	Pass	2.44451G	8.68	-21.32	713.56M	-51.11	2.39804G	-36.52	2.4G	-38.94	2.48462G	-38.13	16.52636G	-43.49	2
2462MHz	Pass	2.44451G	8.68	-21.32	869.38M	-53.08	2.3901G	-50.83	2.4835G	-38.61	2.48354G	-36.40	24.98595G	-43.29	1
2462MHz	Pass	2.44451G	8.68	-21.32	858.9M	-52.15	2.39942G	-52.15	2.4835G	-49.01	2.48376G	-38.07	23.59522G	-42.65	2
802.11ax HEW40-BF_Nss1.(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	0.82	-29.18	159.96M	-53.11	2.39856G	-41.92	2.4G	-44.45	2.50494G	-50.36	23.5865G	-43.74	1
2422MHz	Pass	2.43198G	0.82	-29.18	905.93M	-52.35	2.39856G	-41.80	2.4G	-44.47	2.48366G	-49.91	24.73918G	-43.39	2
2437MHz	Pass	2.43198G	0.82	-29.18	712.42M	-52.81	2.39828G	-41.65	2.4G	-44.21	2.48898G	-49.00	24.6943G	-42.73	1
2437MHz	Pass	2.43198G	0.82	-29.18	159.96M	-51.34	2.39956G	-41.41	2.4G	-43.49	2.4877G	-47.44	23.38177G	-43.13	2
2452MHz	Pass	2.43198G	0.82	-29.18	2.15712G	-52.99	2.39872G	-50.36	2.4835G	-50.40	2.48466G	-48.34	17.60998G	-43.94	1
2452MHz	Pass	2.43198G	0.82	-29.18	917.66M	-53.14	2.39732G	-49.85	2.4835G	-50.30	2.48446G	-47.17	24.66345G	-42.32	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2412MHz

CSE NdB

05/10/2020



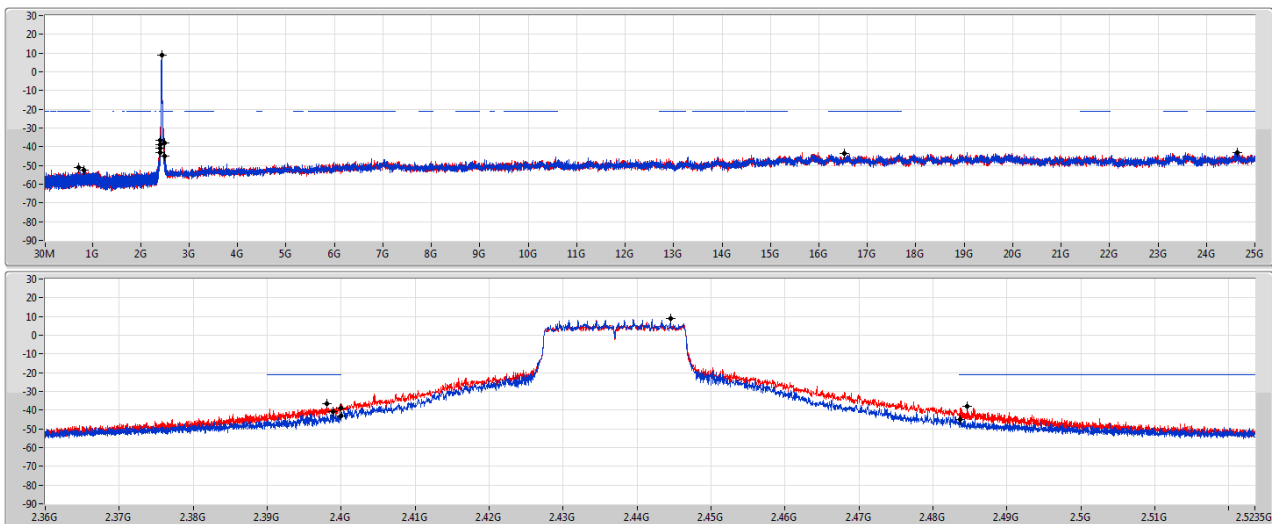
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	8.68	-21.32	959.38M	-52.97	2.3988G	-36.29	2.4G	-38.65	2.49492G	-51.02	17.68671G	-43.20	1
2.44451G	8.68	-21.32	159.9M	-51.99	2.39986G	-32.68	2.4G	-35.47	2.48712G	-50.52	17.60242G	-43.50	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz

CSE NdB

05/10/2020

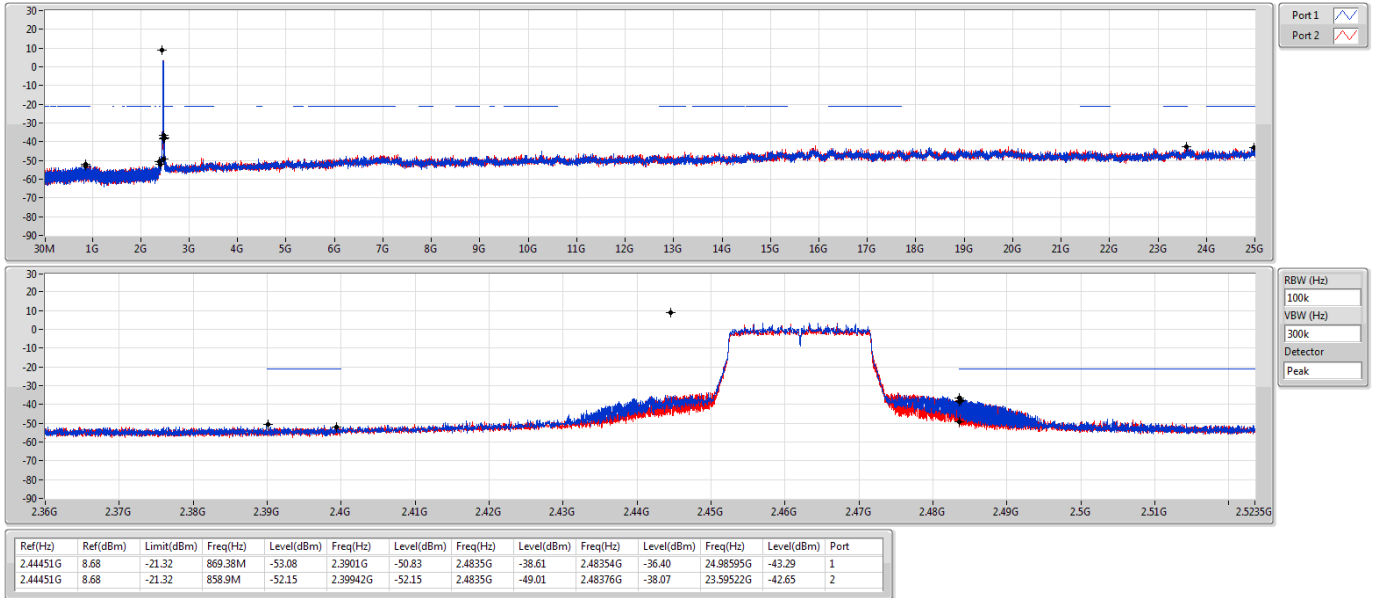


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	8.68	-21.32	823.66M	-52.51	2.3989G	-40.61	2.4G	-43.24	2.48366G	-44.93	24.62914G	-42.96	1
2.44451G	8.68	-21.32	713.56M	-51.11	2.39804G	-36.52	2.4G	-38.94	2.48462G	-38.13	16.52636G	-43.49	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2462MHz

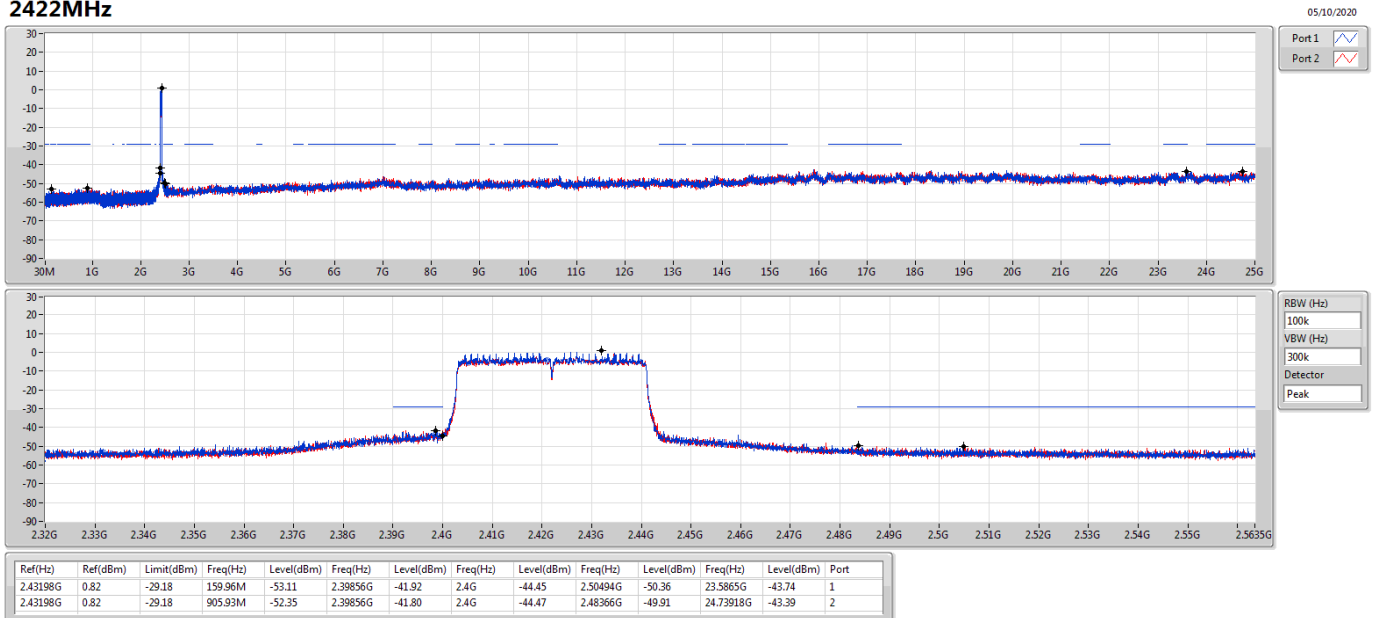
CSE NdB



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2422MHz

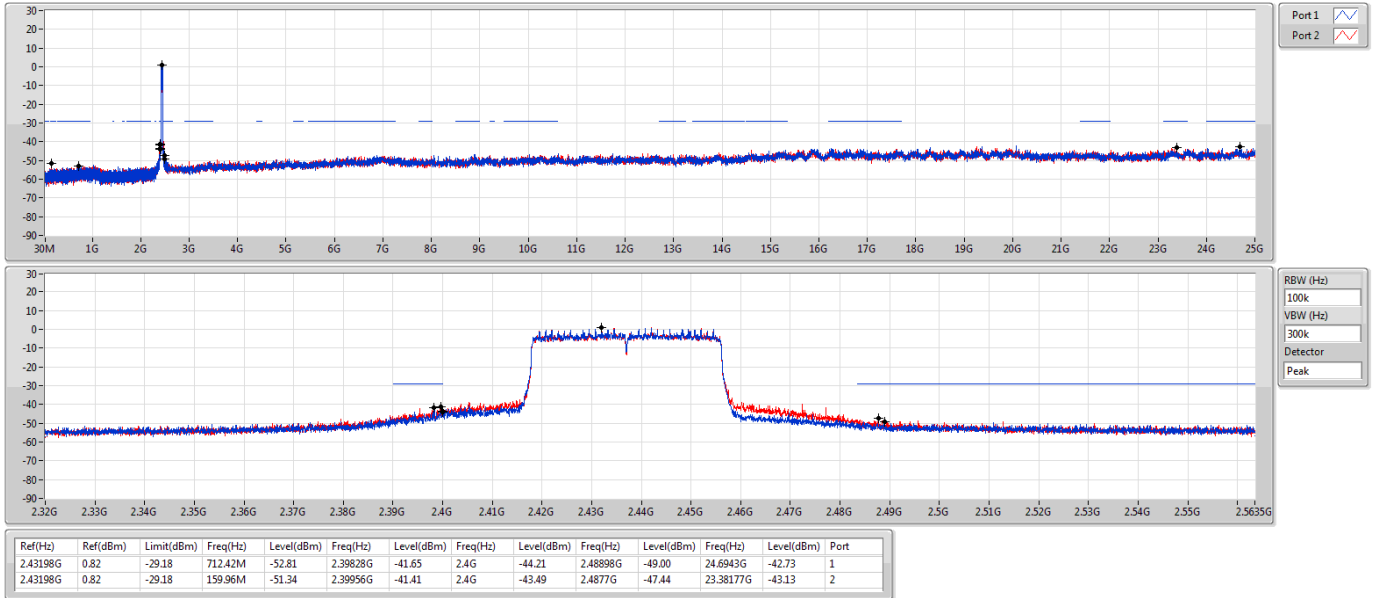
CSE NdB



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

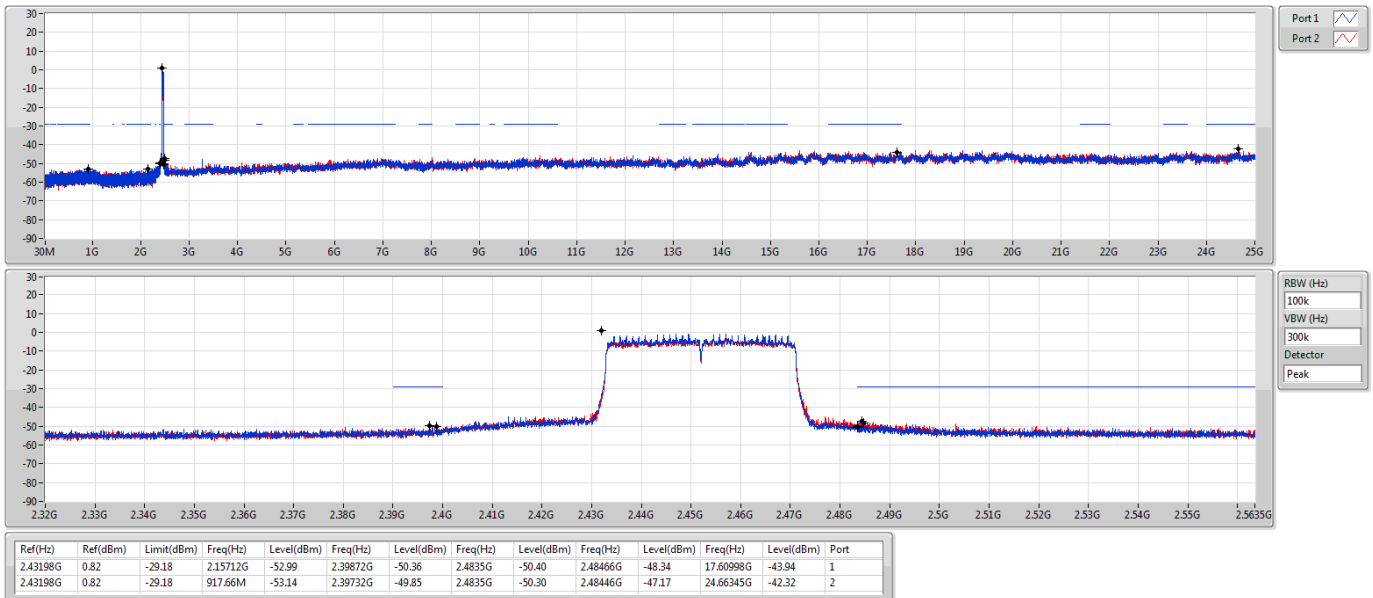
2437MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz





Radiated Emissions below 1GHz

Appendix F.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 5	Pass	PK	81.41M	36.97	40.00	-3.03	Vertical

Test Mode 5

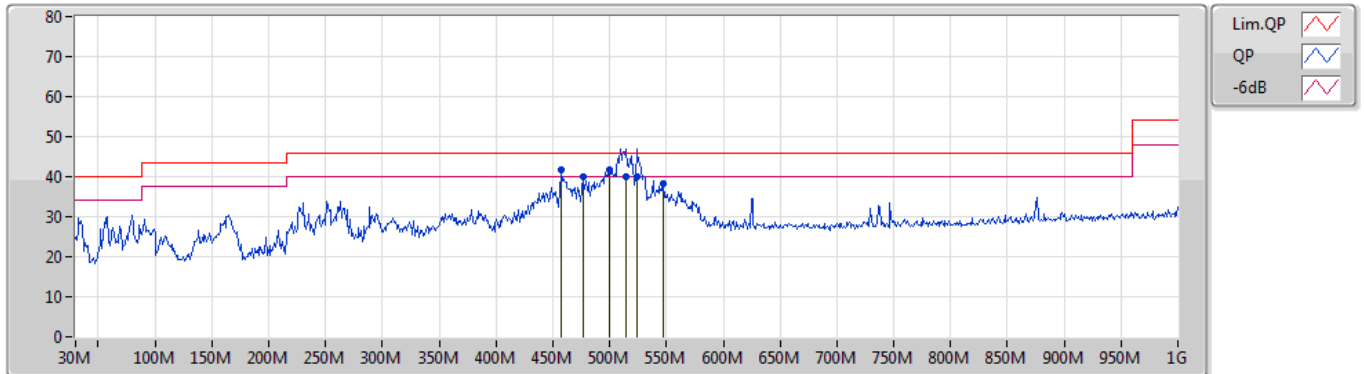
25/09/2020



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	38.73M	36.09	40.00	-3.91	-10.42	3	Vertical	194	1.00	-	46.51	19.65	1.37	31.44
QP	51.34M	35.58	40.00	-4.42	-16.35	3	Vertical	3	1.25	-	51.93	14.13	1.17	31.65
PK	81.41M	36.97	40.00	-3.03	-17.32	3	Vertical	278	2.00	"Worst"	54.29	13.04	1.40	31.76
PK	161.92M	37.49	43.50	-6.01	-13.93	3	Vertical	140	1.25	-	51.42	15.97	1.81	31.71
QP	495.6M	39.78	46.00	-6.22	-6.38	3	Vertical	103	1.00	-	46.16	22.90	3.08	32.36
QP	511.12M	40.55	46.00	-5.45	-6.22	3	Vertical	111	1.00	-	46.77	22.99	3.14	32.35

Test Mode 5

25/09/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	457.77M	41.59	46.00	-4.41	-6.89	3	Horizontal	208	1.50	-	48.48	22.43	2.93	32.25
PK	476.2M	39.91	46.00	-6.09	-6.51	3	Horizontal	129	1.00	-	46.42	22.79	3.00	32.30
PK	499.48M	41.84	46.00	-4.16	-6.33	3	Horizontal	300	1.25	"Worst"	48.17	22.94	3.10	32.37
QP	514.03M	39.85	46.00	-6.15	-6.20	3	Horizontal	196	1.25	-	46.05	22.98	3.16	32.34
QP	523.73M	39.92	46.00	-6.08	-6.15	3	Horizontal	187	1.25	-	46.07	22.98	3.19	32.32
PK	547.01M	38.26	46.00	-7.74	-4.79	3	Horizontal	172	1.00	-	43.05	24.20	3.29	32.28



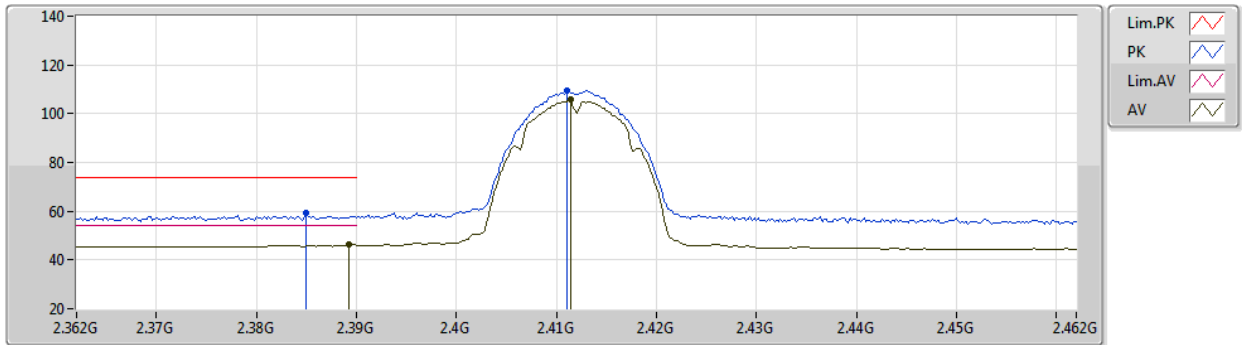
**For non beamforming mode_1TX
Summary**

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)_1TX	Pass	AV	2.389G	53.95	54.00	-0.05	3	Vertical	312	1.00	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2412MHz_TX



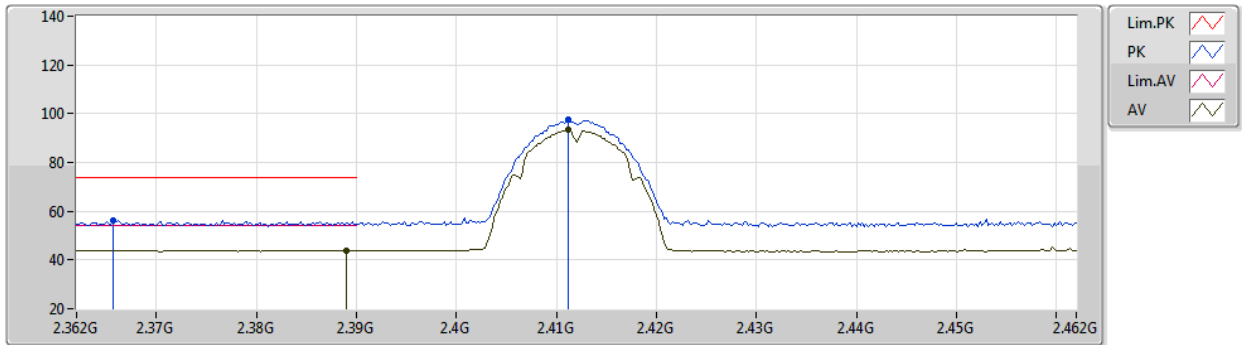
EUT Y_1TX Ant 1
Setting 94
04-D-N-2

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	2.385G	59.24	74.00	-14.76	28.43	3	Vertical	290	1.86	-	27.52	3.29	-
AV	2.3892G	46.24	54.00	-7.76	15.44	3	Vertical	290	1.86	-	27.51	3.29	-
PK	2.411G	109.36	Inf	-Inf	78.51	3	Vertical	290	1.86	-	27.54	3.31	-
AV	2.4114G	105.65	Inf	-Inf	74.79	3	Vertical	290	1.86	-	27.55	3.31	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2412MHz_TX



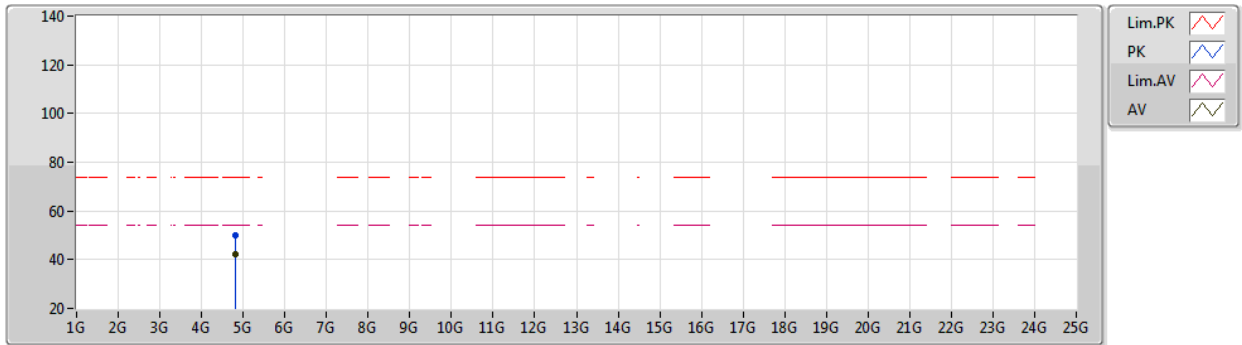
EUT Y_1TX Ant 1
Setting 94
04-D-N-2

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	2.3656G	56.30	74.00	-17.70	25.50	3	Horizontal	197	1.80	-	27.53	3.27	-
AV	2.389G	43.73	54.00	-10.27	12.93	3	Horizontal	197	1.80	-	27.51	3.29	-
PK	2.4112G	97.37	Inf	-Inf	66.52	3	Horizontal	197	1.80	-	27.54	3.31	-
AV	2.4112G	93.36	Inf	-Inf	62.51	3	Horizontal	197	1.80	-	27.54	3.31	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2412MHz_TX



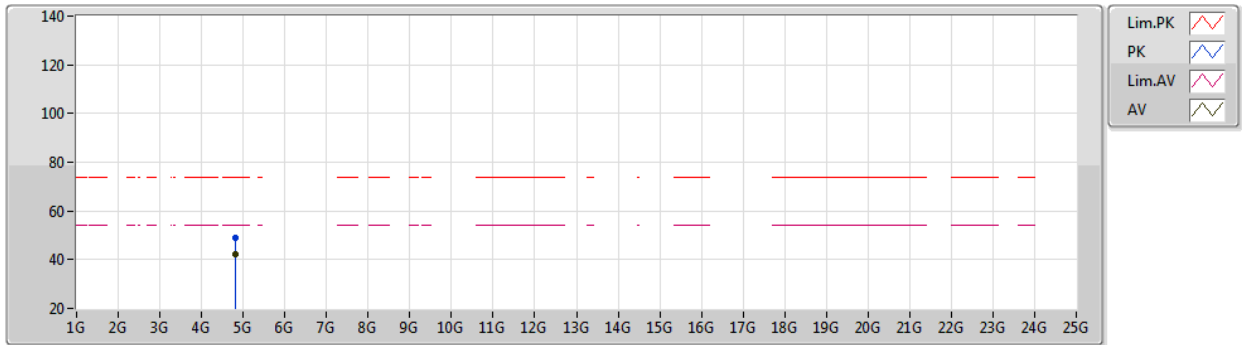
EUT Y_1TX Ant 1
Setting 94
04-D-N-2

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	4.82406G	49.85	74.00	-24.15	45.31	3	Vertical	297	2.01	-	32.60	4.82	32.88
AV	4.824G	42.02	54.00	-11.98	37.48	3	Vertical	297	2.01	-	32.60	4.82	32.88

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2412MHz_TX



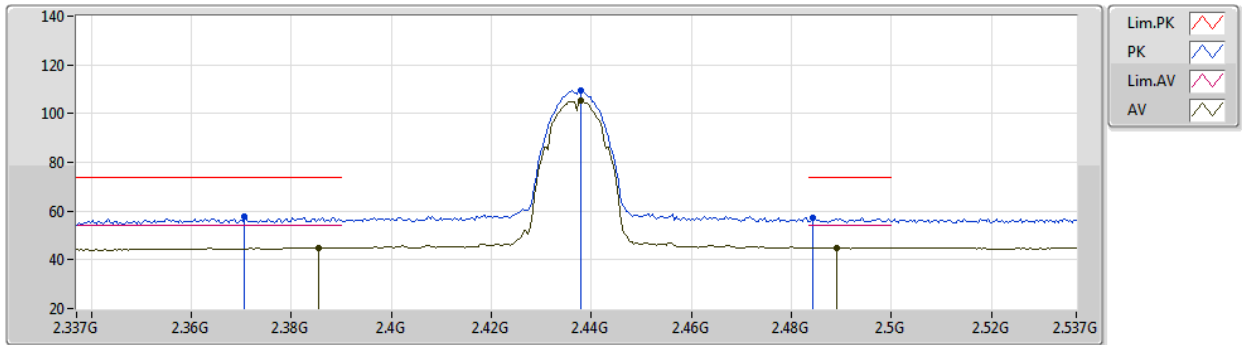
EUT Y_1TX Ant1
Setting 94
04-D-N-2

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	4.8242G	48.88	74.00	-25.12	44.34	3	Horizontal	285	2.07	-	32.60	4.82	32.88
AV	4.82404G	42.05	54.00	-11.95	37.51	3	Horizontal	285	2.07	-	32.60	4.82	32.88

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2437MHz_TX



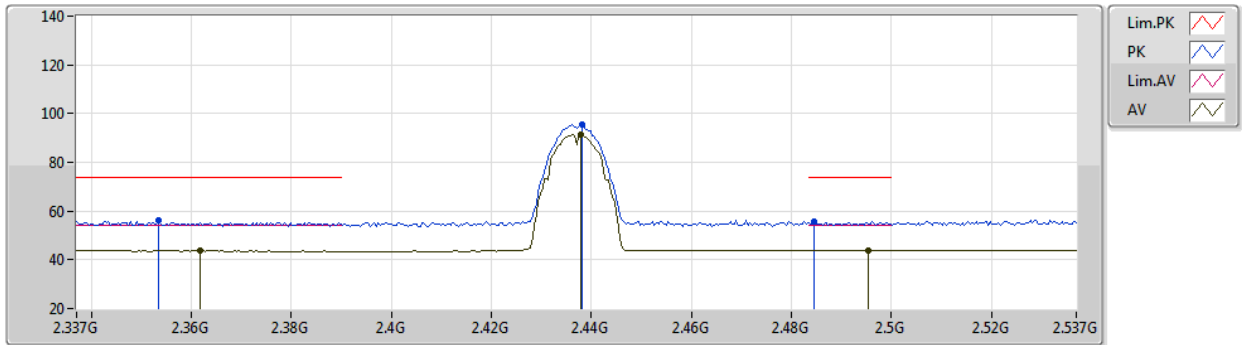
EUT Y_1TX Ant1
Setting 94
04-D-N-2

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	2.3706G	57.74	74.00	-16.26	26.94	3	Vertical	288	1.80	-	27.53	3.27	-
AV	2.3854G	45.08	54.00	-8.92	14.28	3	Vertical	288	1.80	-	27.51	3.29	-
PK	2.4378G	109.39	Inf	-Inf	78.42	3	Vertical	288	1.80	-	27.65	3.32	-
AV	2.4378G	105.33	Inf	-Inf	74.36	3	Vertical	288	1.80	-	27.65	3.32	-
PK	2.4842G	57.22	74.00	-16.78	26.04	3	Vertical	288	1.80	-	27.84	3.34	-
AV	2.489G	44.87	54.00	-9.13	13.67	3	Vertical	288	1.80	-	27.86	3.34	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2437MHz_TX



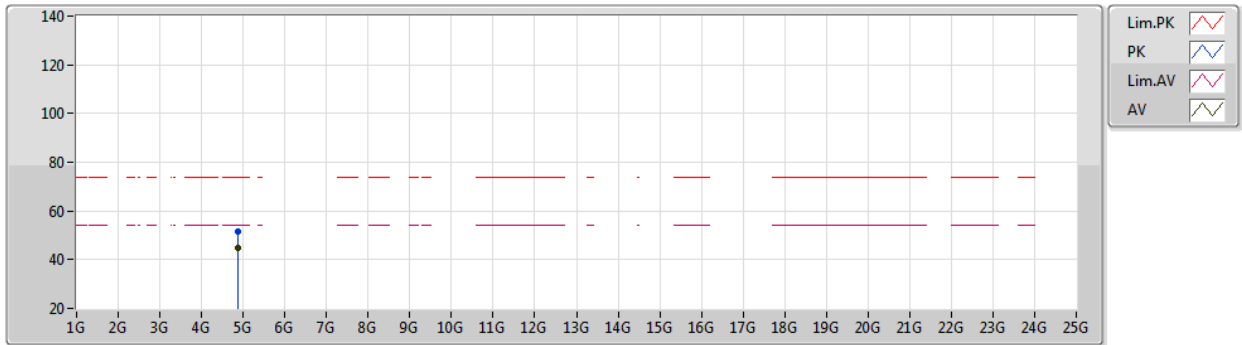
EUT Y_1TX Ant1
Setting 94
04-D-N-2

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	2.3534G	56.13	74.00	-17.87	25.33	3	Horizontal	198	1.78	-	27.55	3.25	-
AV	2.3618G	43.65	54.00	-10.35	12.85	3	Horizontal	198	1.78	-	27.54	3.26	-
PK	2.4382G	95.32	Inf	-Inf	64.35	3	Horizontal	198	1.78	-	27.65	3.32	-
AV	2.4378G	91.20	Inf	-Inf	60.23	3	Horizontal	198	1.78	-	27.65	3.32	-
PK	2.4846G	55.48	74.00	-18.52	24.30	3	Horizontal	198	1.78	-	27.84	3.34	-
AV	2.4954G	43.82	54.00	-10.18	12.59	3	Horizontal	198	1.78	-	27.88	3.35	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2437MHz_TX



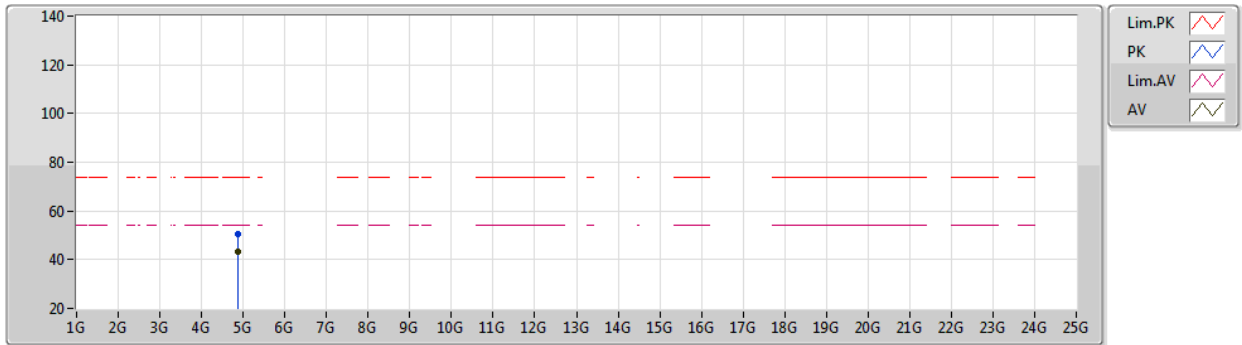
EUT Y_1TX Ant 1
Setting 94
04-D-N-2

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	4.87408G	51.48	74.00	-22.52	46.70	3	Vertical	305	1.95	-	32.80	4.85	32.87
AV	4.87404G	44.86	54.00	-9.14	40.08	3	Vertical	305	1.95	-	32.80	4.85	32.87

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2437MHz_TX



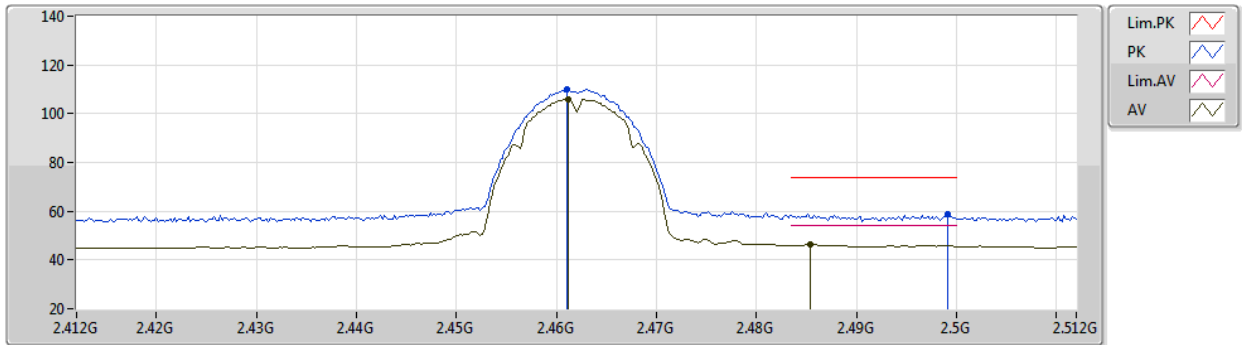
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Setting 94
04-D-N-2

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PK	4.87412G	50.43	74.00	-23.57	45.65	3	Horizontal	46	1.91	-	32.80	4.85	32.87
AV	4.874G	43.17	54.00	-10.83	38.39	3	Horizontal	46	1.91	-	32.80	4.85	32.87

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2462MHz_TX



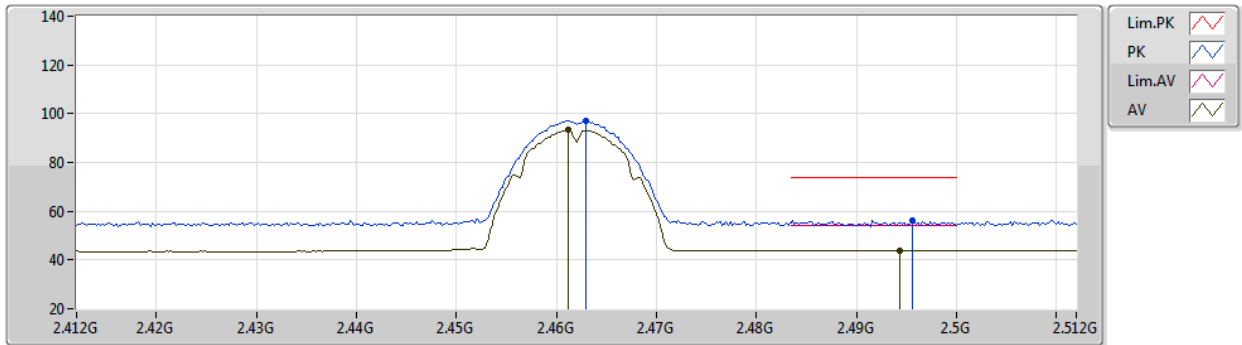
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04-D-N-2

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PK	2.461G	109.95	Inf	-Inf	78.88	3	Vertical	310	1.07	-	27.74	3.33	-
AV	2.4612G	106.10	Inf	-Inf	75.03	3	Vertical	310	1.07	-	27.74	3.33	-
PK	2.4992G	58.76	74.00	-15.24	27.51	3	Vertical	310	1.07	-	27.90	3.35	-
AV	2.4854G	46.40	54.00	-7.60	15.22	3	Vertical	310	1.07	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2462MHz_TX



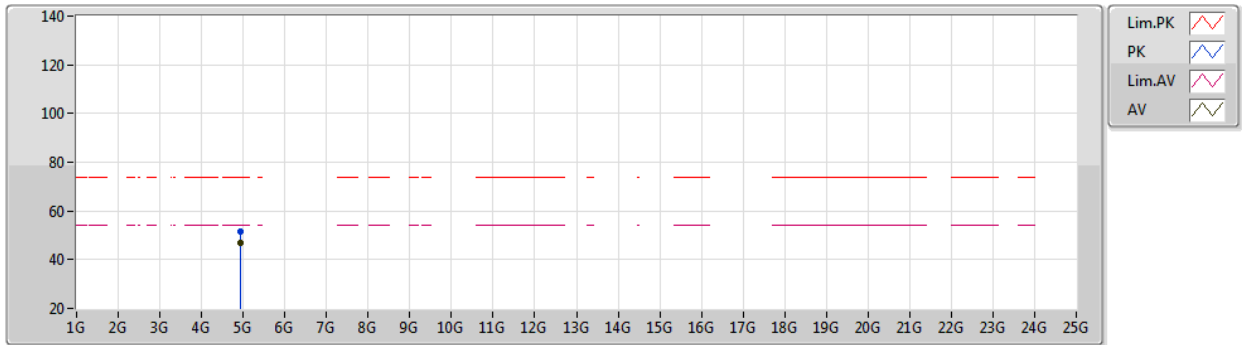
EUT Y_1TX Ant1
Setting 94
04-D-N-2

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	2.463G	97.29	Inf	-Inf	66.21	3	Horizontal	47	2.88	-	27.75	3.33	-
AV	2.4612G	93.42	Inf	-Inf	62.35	3	Horizontal	47	2.88	-	27.74	3.33	-
PK	2.4956G	56.34	74.00	-17.66	25.11	3	Horizontal	47	2.88	-	27.88	3.35	-
AV	2.4944G	43.82	54.00	-10.18	12.59	3	Horizontal	47	2.88	-	27.88	3.35	-

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2462MHz_TX



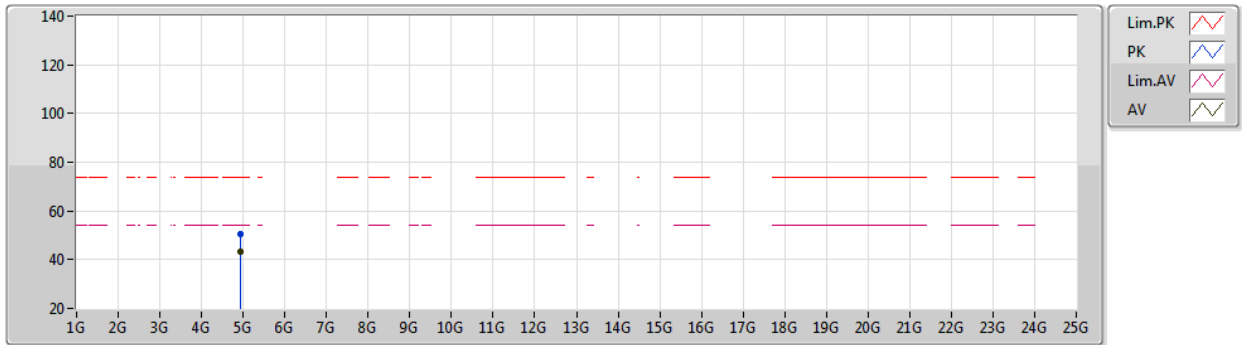
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Setting 94
04-D-N-2

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	4.92392G	51.66	74.00	-22.34	46.70	3	Vertical	10	1.94	-	32.95	4.88	32.87
AV	4.924G	46.70	54.00	-7.30	41.74	3	Vertical	10	1.94	-	32.95	4.88	32.87

802.11b_Nss1,(1Mbps)_1TX

28/09/2020

2462MHz_TX



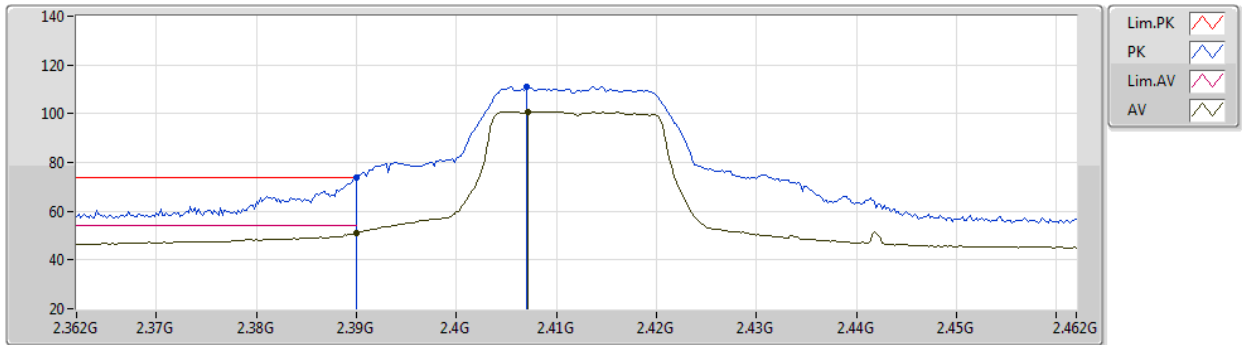
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Setting 94
04-D-N-2

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	4.92408G	50.47	74.00	-23.53	45.51	3	Horizontal	46	1.77	-	32.95	4.88	32.87
AV	4.92404G	43.44	54.00	-10.56	38.48	3	Horizontal	46	1.77	-	32.95	4.88	32.87

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2412MHz_TX



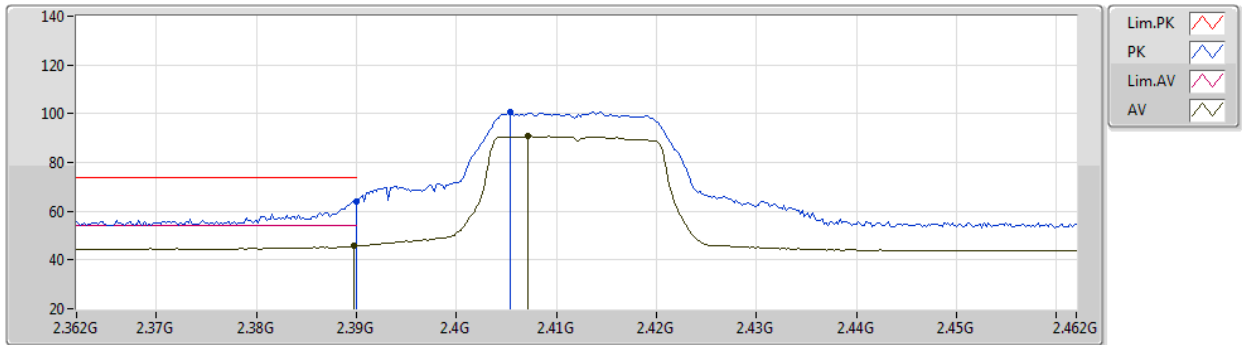
EUT Y_1TX Ant1
Setting 67
06-F-S-5

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	73.89	74.00	-0.11	42.29	3	Vertical	351	2.36	-	27.60	4.00	-
AV	2.39G	51.07	54.00	-2.93	19.47	3	Vertical	351	2.36	-	27.60	4.00	-
PK	2.407G	110.98	Inf	-Inf	79.41	3	Vertical	351	2.36	-	27.57	4.00	-
AV	2.4072G	100.81	Inf	-Inf	69.24	3	Vertical	351	2.36	-	27.57	4.00	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2412MHz_TX



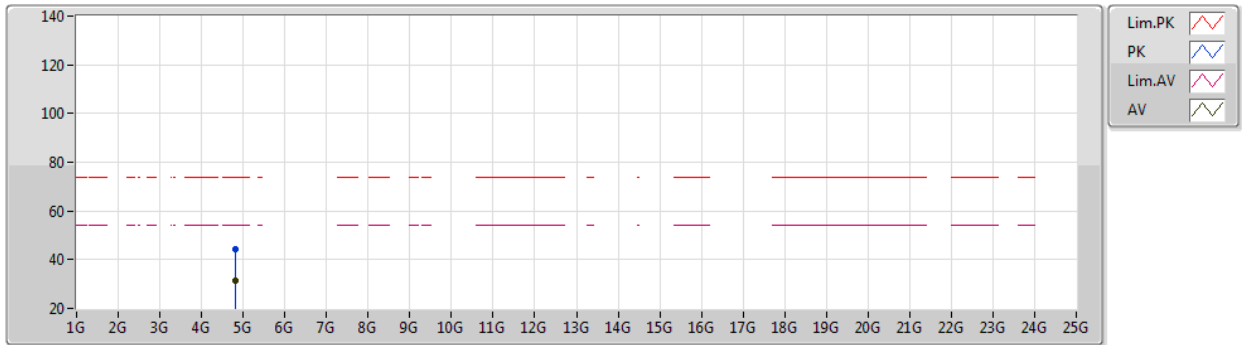
EUT Y_1TX Ant 1
Setting 67
06-F-S-5

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	63.86	74.00	-10.14	32.26	3	Horizontal	47	2.32	-	27.60	4.00	-
AV	2.3898G	45.82	54.00	-8.18	14.23	3	Horizontal	47	2.32	-	27.60	3.99	-
PK	2.4054G	100.66	Inf	-Inf	69.08	3	Horizontal	47	2.32	-	27.58	4.00	-
AV	2.4072G	90.67	Inf	-Inf	59.10	3	Horizontal	47	2.32	-	27.57	4.00	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2412MHz_TX



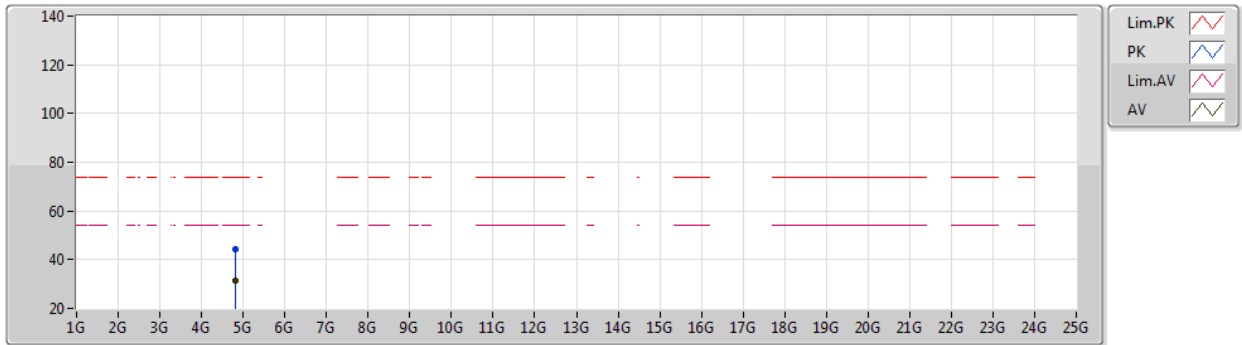
EUT Y_1TX Ant 1
Setting 67
06-F-S-5

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	4.81964G	44.14	74.00	-29.86	39.48	3	Vertical	199	2.56	-	31.08	5.33	31.75
AV	4.81968G	31.34	54.00	-22.66	26.68	3	Vertical	199	2.56	-	31.08	5.33	31.75

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2412MHz_TX



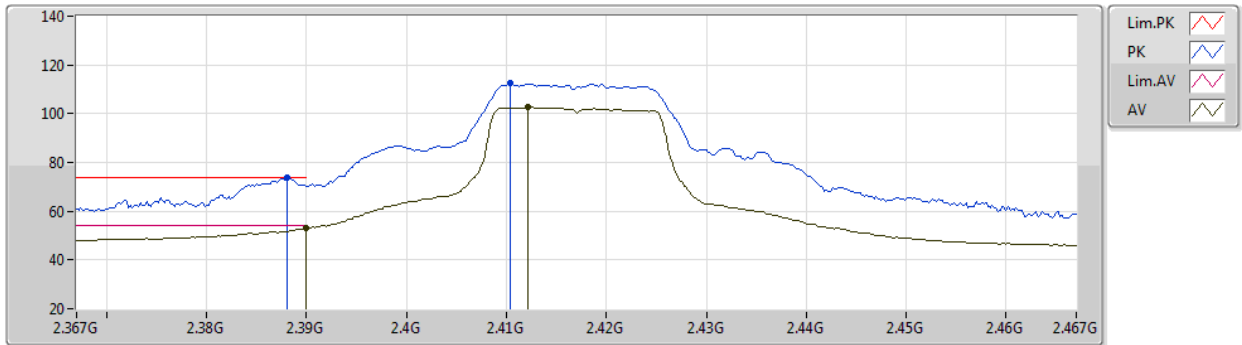
EUT Y_1TX Ant1
Setting 67
06-F-S-5

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	4.82224G	44.10	74.00	-29.90	39.43	3	Horizontal	121	2.65	-	31.09	5.33	31.75
AV	4.82532G	31.38	54.00	-22.62	26.68	3	Horizontal	121	2.65	-	31.10	5.34	31.74

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2417MHz_TX



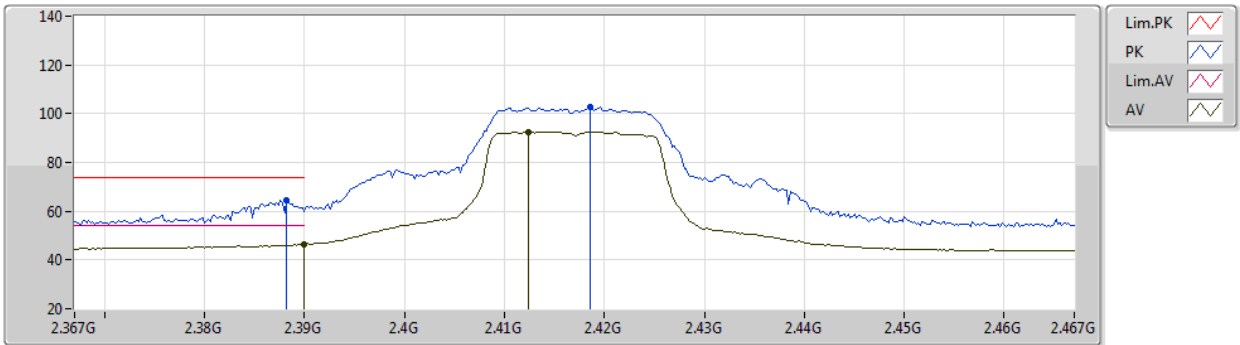
EUT Y_1TX Ant 1
Setting 76
06-F-S-5

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	2.388G	73.82	74.00	-0.18	42.23	3	Vertical	347	2.05	-	27.60	3.99	-
AV	2.39G	53.09	54.00	-0.91	21.49	3	Vertical	347	2.05	-	27.60	4.00	-
PK	2.4104G	112.63	Inf	-Inf	81.06	3	Vertical	347	2.05	-	27.56	4.01	-
AV	2.4122G	102.61	Inf	-Inf	71.05	3	Vertical	347	2.05	-	27.55	4.01	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2417MHz_TX



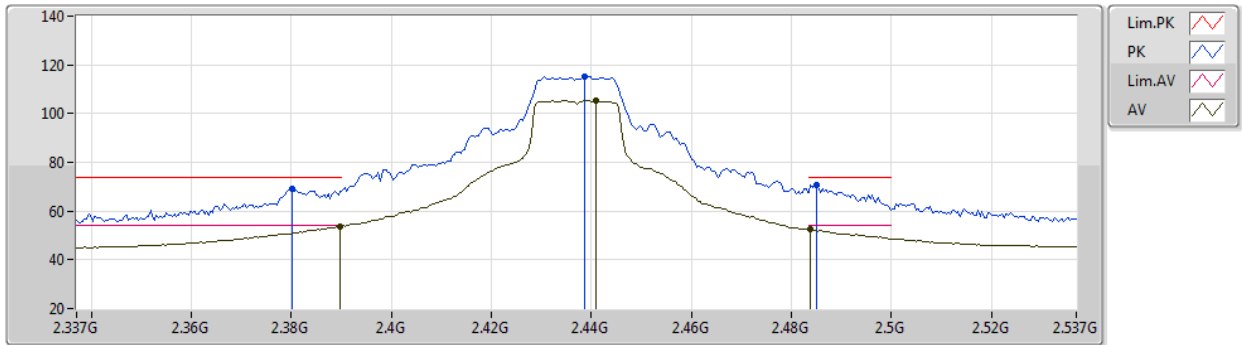
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Setting 76
06-F-S-5

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	2.3882G	64.65	74.00	-9.35	33.06	3	Horizontal	44	2.82	-	27.60	3.99	-
AV	2.39G	46.62	54.00	-7.38	15.02	3	Horizontal	44	2.82	-	27.60	4.00	-
PK	2.4186G	102.68	Inf	-Inf	71.14	3	Horizontal	44	2.82	-	27.53	4.01	-
AV	2.4124G	92.45	Inf	-Inf	60.89	3	Horizontal	44	2.82	-	27.55	4.01	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2437MHz_TX



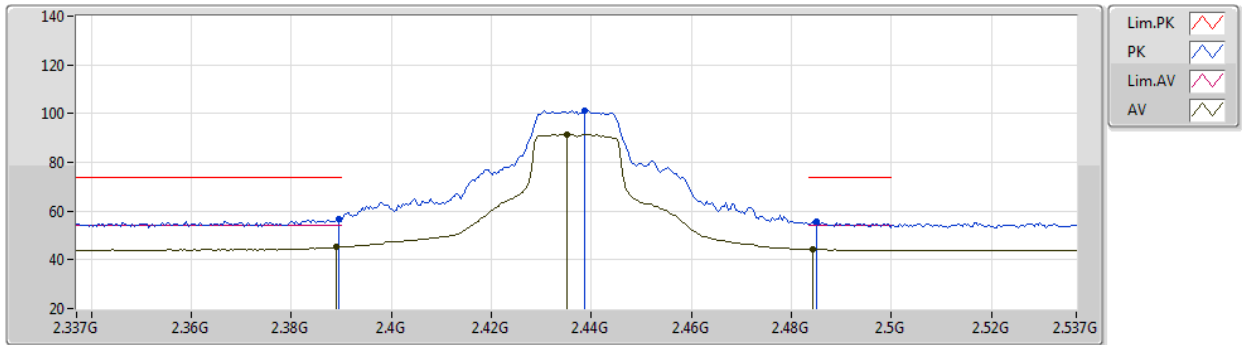
EUT Y_1TX Ant1
Setting 87
06-F-S-5

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	2.3802G	68.99	74.00	-5.01	37.40	3	Vertical	352	2.61	-	27.60	3.99	-
AV	2.3898G	53.58	54.00	-0.42	21.99	3	Vertical	352	2.61	-	27.60	3.99	-
PK	2.4386G	115.22	Inf	-Inf	83.75	3	Vertical	352	2.61	-	27.45	4.02	-
AV	2.441G	105.24	Inf	-Inf	73.78	3	Vertical	352	2.61	-	27.44	4.02	-
PK	2.485G	70.88	74.00	-3.12	39.44	3	Vertical	352	2.61	-	27.40	4.04	-
AV	2.4838G	52.45	54.00	-1.55	21.01	3	Vertical	352	2.61	-	27.40	4.04	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2437MHz_TX



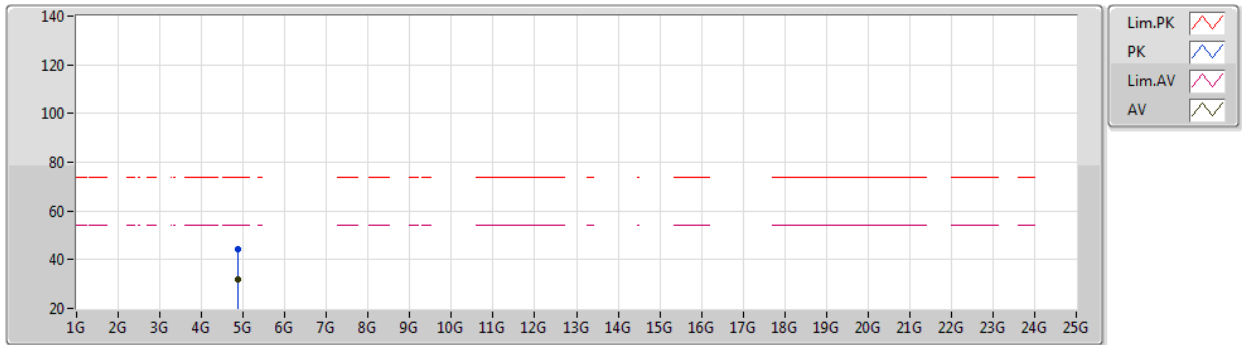
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Setting 87
06-F-S-5

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	56.49	74.00	-17.51	24.90	3	Horizontal	330	1.80	-	27.60	3.99	-
AV	2.389G	45.11	54.00	-8.89	13.52	3	Horizontal	330	1.80	-	27.60	3.99	-
PK	2.4386G	101.42	Inf	-Inf	69.95	3	Horizontal	330	1.80	-	27.45	4.02	-
AV	2.435G	91.47	Inf	-Inf	59.99	3	Horizontal	330	1.80	-	27.46	4.02	-
PK	2.485G	55.91	74.00	-18.09	24.47	3	Horizontal	330	1.80	-	27.40	4.04	-
AV	2.4842G	44.30	54.00	-9.70	12.86	3	Horizontal	330	1.80	-	27.40	4.04	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2437MHz_TX



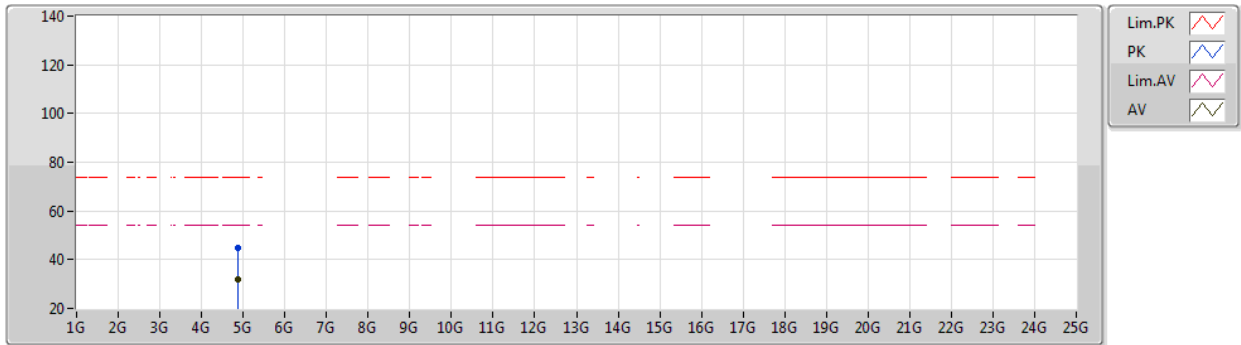
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Setting 87
06-F-S-5

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	4.88084G	44.47	74.00	-29.53	39.59	3	Vertical	335	2.45	-	31.14	5.42	31.68
AV	4.8832G	31.80	54.00	-22.20	26.92	3	Vertical	335	2.45	-	31.13	5.42	31.67

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2437MHz_TX



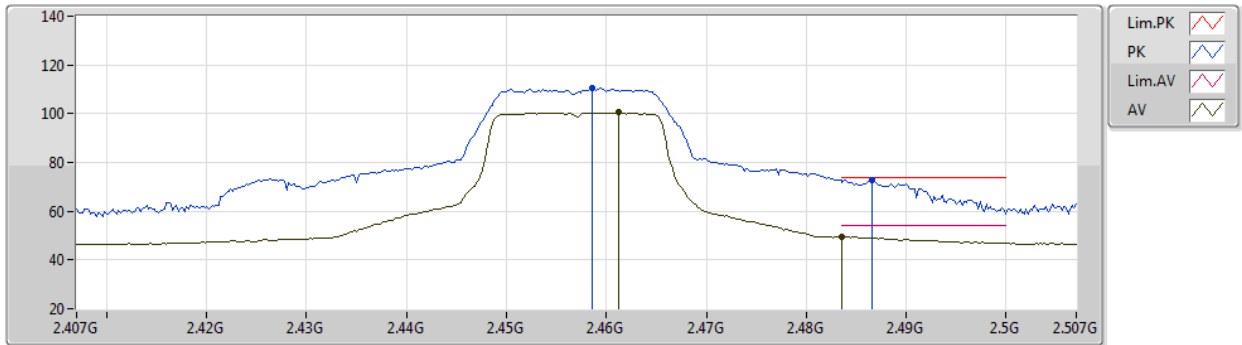
EUT Y_1TX Ant 1
Setting 87
06-F-S-5

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	4.88216G	44.85	74.00	-29.15	39.96	3	Horizontal	146	2.20	-	31.14	5.42	31.67
AV	4.87176G	31.80	54.00	-22.20	26.92	3	Horizontal	146	2.20	-	31.16	5.41	31.69

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2457MHz_TX



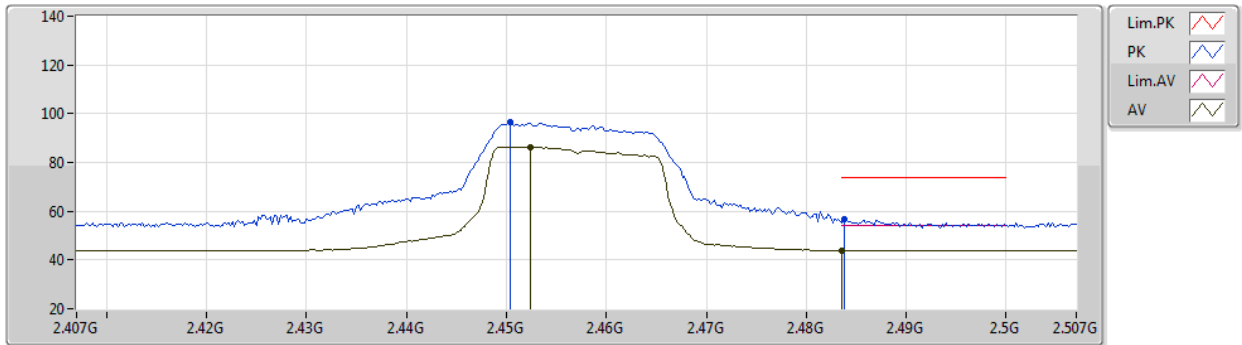
EUT Y_1TX Ant 1
Setting 68
06-F-S-5

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	110.73	Inf	-Inf	79.30	3	Vertical	300	1.80	-	27.40	4.03	-
AV	2.4612G	100.61	Inf	-Inf	69.18	3	Vertical	300	1.80	-	27.40	4.03	-
PK	2.4866G	72.69	74.00	-1.31	41.25	3	Vertical	300	1.80	-	27.40	4.04	-
AV	2.4835G	49.45	54.00	-4.55	18.01	3	Vertical	300	1.80	-	27.40	4.04	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2457MHz_TX



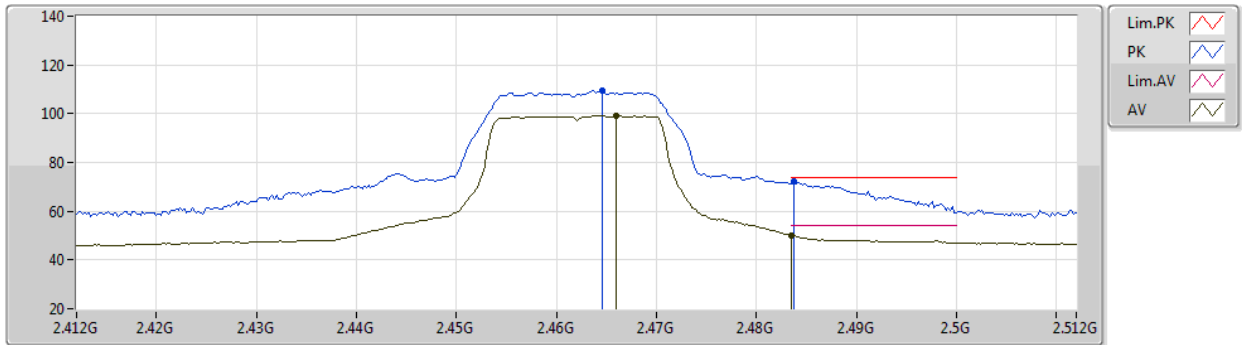
EUT Y_1TX Ant1
Setting 68
06-F-S-5

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	2.4504G	96.59	Inf	-Inf	65.16	3	Horizontal	328	2.77	-	27.40	4.03	-
AV	2.4524G	86.37	Inf	-Inf	54.94	3	Horizontal	328	2.77	-	27.40	4.03	-
PK	2.4838G	56.55	74.00	-17.45	25.11	3	Horizontal	328	2.77	-	27.40	4.04	-
AV	2.4835G	43.98	54.00	-10.02	12.54	3	Horizontal	328	2.77	-	27.40	4.04	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2462MHz_TX



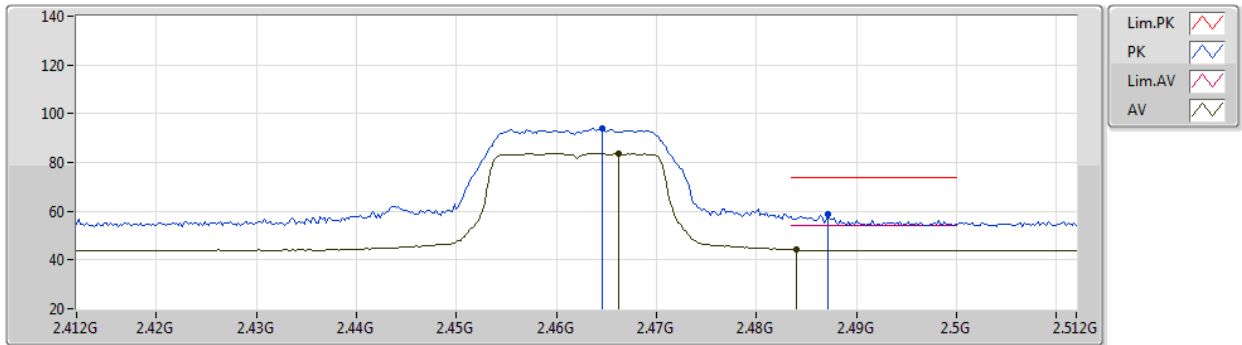
EUT Y_1TX Ant1
Setting 61
06-F-S-5

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	2.4646G	109.39	Inf	-Inf	77.96	3	Vertical	314	1.00	-	27.40	4.03	-
AV	2.466G	99.33	Inf	-Inf	67.90	3	Vertical	314	1.00	-	27.40	4.03	-
PK	2.4838G	72.05	74.00	-1.95	40.61	3	Vertical	314	1.00	-	27.40	4.04	-
AV	2.4835G	50.23	54.00	-3.77	18.79	3	Vertical	314	1.00	-	27.40	4.04	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2462MHz_TX



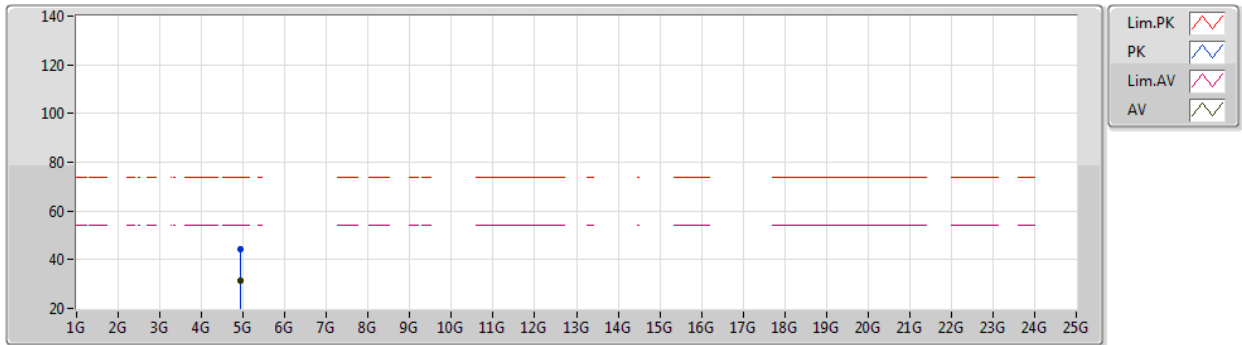
EUT Y_1TX Ant1
Setting 61
06-F-S-5

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	2.4646G	93.90	Inf	-Inf	62.47	3	Horizontal	168	1.38	-	27.40	4.03	-
AV	2.4662G	83.87	Inf	-Inf	52.44	3	Horizontal	168	1.38	-	27.40	4.03	-
PK	2.4872G	58.71	74.00	-15.29	27.27	3	Horizontal	168	1.38	-	27.40	4.04	-
AV	2.484G	44.25	54.00	-9.75	12.81	3	Horizontal	168	1.38	-	27.40	4.04	-

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2462MHz_TX



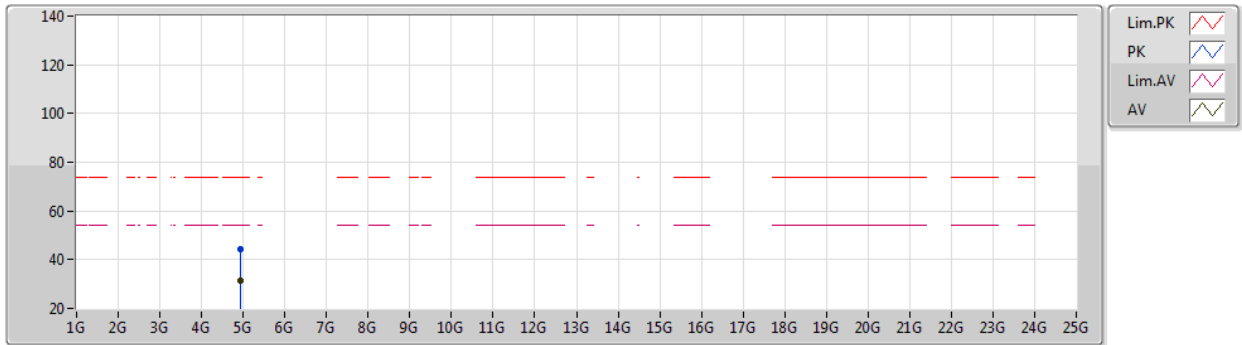
EUT Y_1TX Ant 1
Setting 61
06-F-S-5

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	4.93G	44.34	74.00	-29.66	39.25	3	Vertical	170	1.56	-	31.22	5.49	31.62
AV	4.92744G	31.58	54.00	-22.42	26.50	3	Vertical	170	1.56	-	31.21	5.49	31.62

802.11g_Nss1,(6Mbps)_1TX

28/09/2020

2462MHz_TX



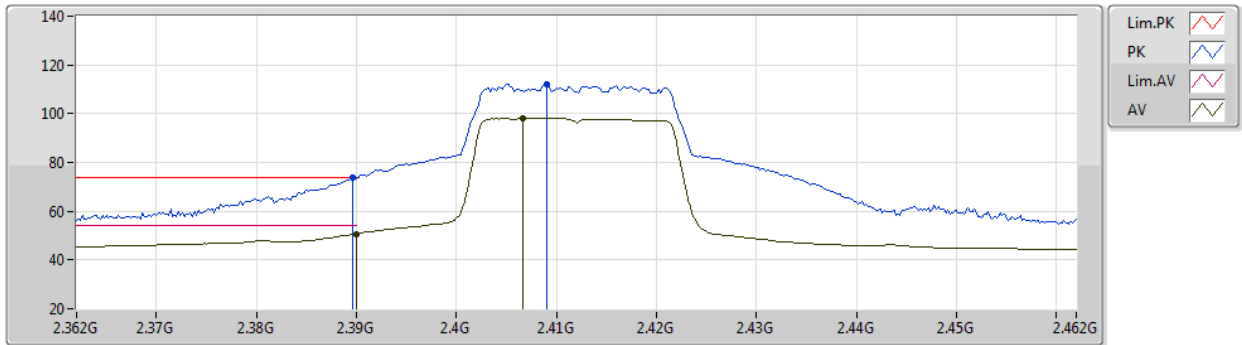
EUT Y_1TX Ant 1
Setting 61
06-F-S-5

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	4.92756G	44.10	74.00	-29.90	39.02	3	Horizontal	187	1.10	-	31.21	5.49	31.62
AV	4.93248G	31.55	54.00	-22.45	26.43	3	Horizontal	187	1.10	-	31.23	5.50	31.61

802.11ax HEW20_Nss1,(MCS0)_1TX

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2412MHz_TX



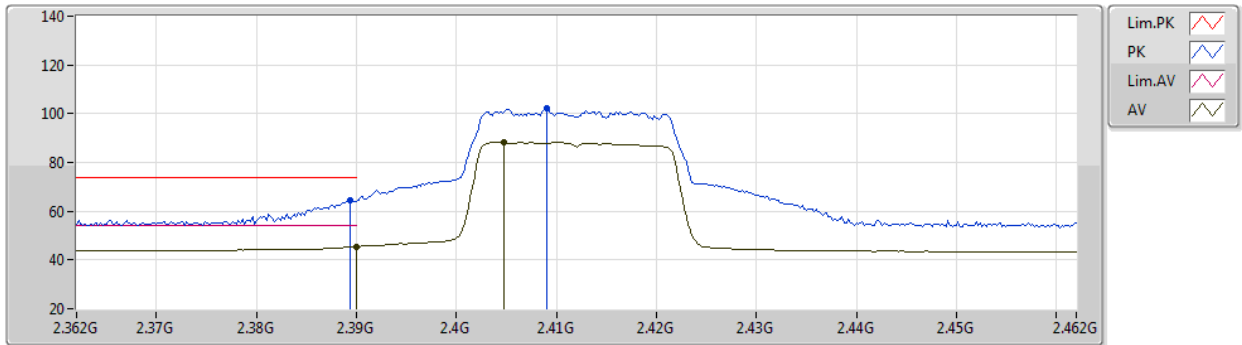
EUT Y_1TX Ant1
Setting 62
06-F-S-5

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	73.79	74.00	-0.21	42.20	3	Vertical	340	2.63	-	27.60	3.99	-
AV	2.39G	50.76	54.00	-3.24	19.16	3	Vertical	340	2.63	-	27.60	4.00	-
PK	2.409G	112.24	Inf	-Inf	80.68	3	Vertical	340	2.63	-	27.56	4.00	-
AV	2.4066G	98.07	Inf	-Inf	66.50	3	Vertical	340	2.63	-	27.57	4.00	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2412MHz_TX



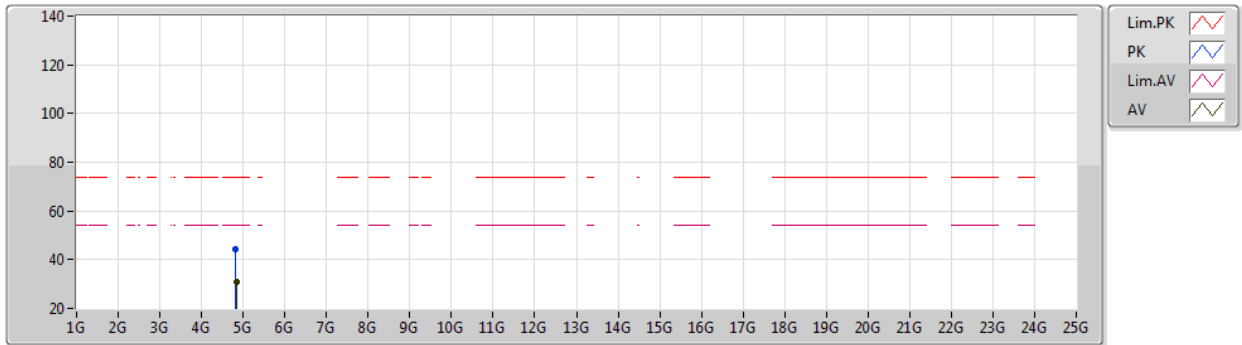
EUT Y_1TX Ant1
Setting 62
06-F-S-5

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	64.56	74.00	-9.44	32.97	3	Horizontal	47	2.30	-	27.60	3.99	-
AV	2.39G	45.48	54.00	-8.52	13.88	3	Horizontal	47	2.30	-	27.60	4.00	-
PK	2.409G	102.04	Inf	-Inf	70.48	3	Horizontal	47	2.30	-	27.56	4.00	-
AV	2.4048G	88.16	Inf	-Inf	56.58	3	Horizontal	47	2.30	-	27.58	4.00	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2412MHz_TX



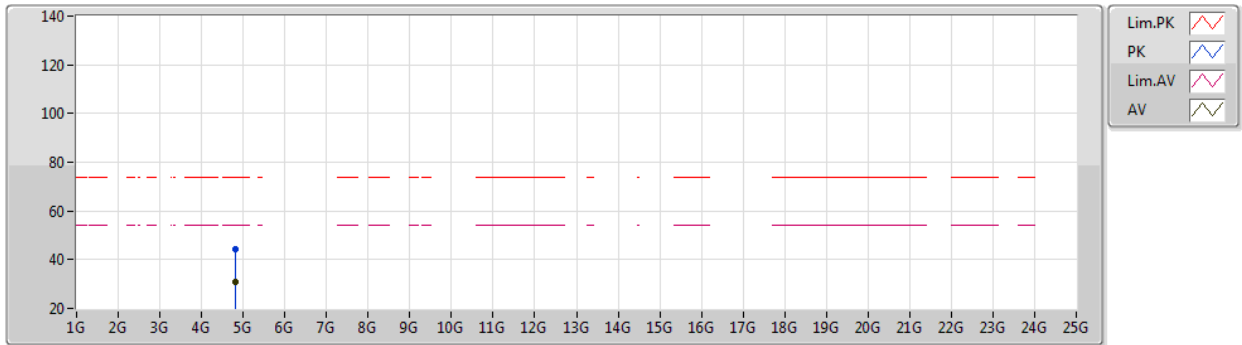
EUT Y_1TX Ant 1
Setting 62
06-F-S-5

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	4.82504G	44.41	74.00	-29.59	39.71	3	Vertical	346	2.29	-	31.10	5.34	31.74
AV	4.8334G	30.68	54.00	-23.32	25.93	3	Vertical	346	2.29	-	31.13	5.35	31.73

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2412MHz_TX



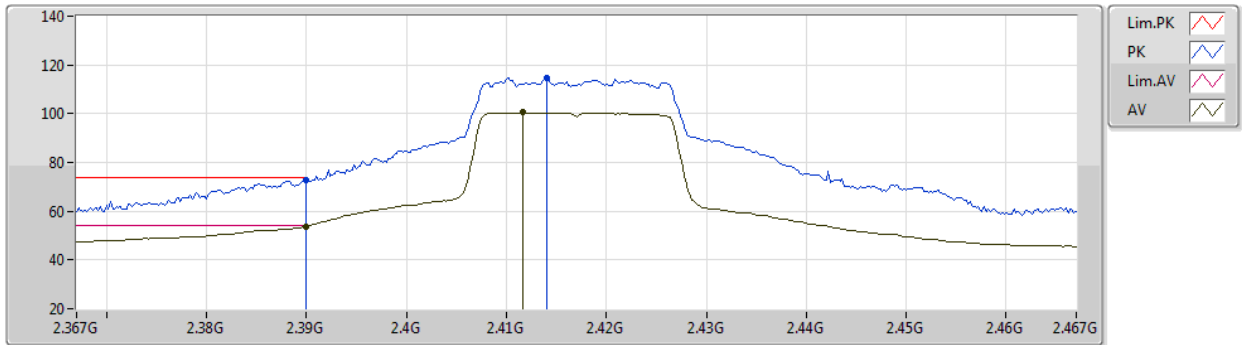
EUT Y_1TX Ant1
Setting 62
06-F-S-5

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	4.82068G	44.46	74.00	-29.54	39.80	3	Horizontal	163	2.18	-	31.08	5.33	31.75
AV	4.82128G	30.70	54.00	-23.30	26.03	3	Horizontal	163	2.18	-	31.09	5.33	31.75

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2417MHz_TX



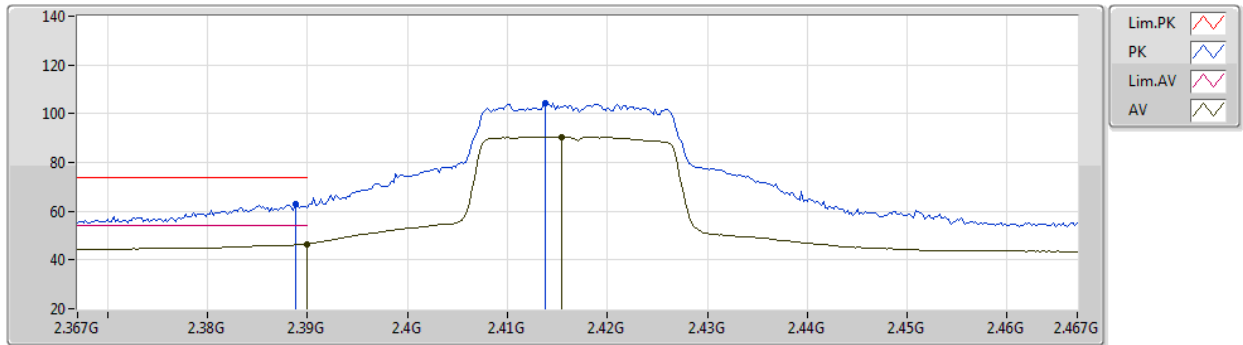
EUT Y_1TX Ant1
Setting 72
06-F-S-5

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	72.78	74.00	-1.22	41.18	3	Vertical	342	2.60	-	27.60	4.00	-
AV	2.39G	53.77	54.00	-0.23	22.17	3	Vertical	342	2.60	-	27.60	4.00	-
PK	2.414G	114.68	Inf	-Inf	83.13	3	Vertical	342	2.60	-	27.54	4.01	-
AV	2.4116G	100.46	Inf	-Inf	68.90	3	Vertical	342	2.60	-	27.55	4.01	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2417MHz_TX



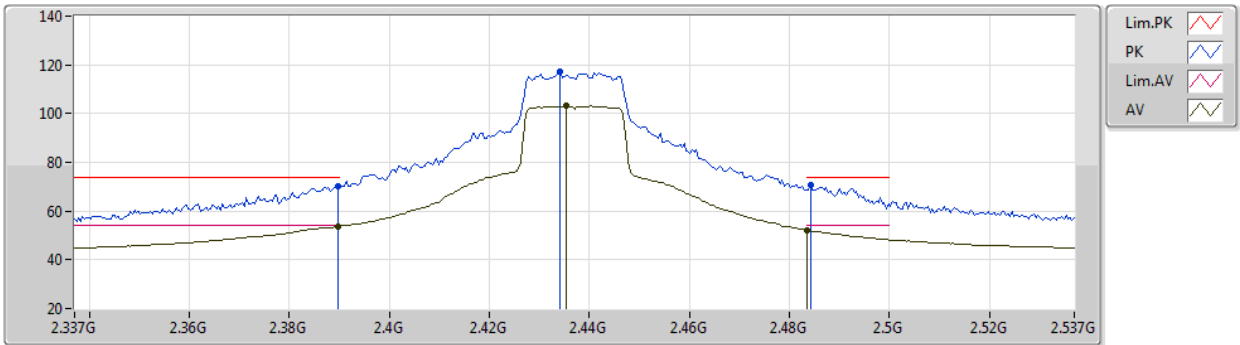
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Setting 72
06-F-S-5

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	2.3888G	62.90	74.00	-11.10	31.31	3	Horizontal	44	2.80	-	27.60	3.99	-
AV	2.39G	46.50	54.00	-7.50	14.90	3	Horizontal	44	2.80	-	27.60	4.00	-
PK	2.4138G	104.44	Inf	-Inf	72.89	3	Horizontal	44	2.80	-	27.54	4.01	-
AV	2.4154G	90.50	Inf	-Inf	58.95	3	Horizontal	44	2.80	-	27.54	4.01	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



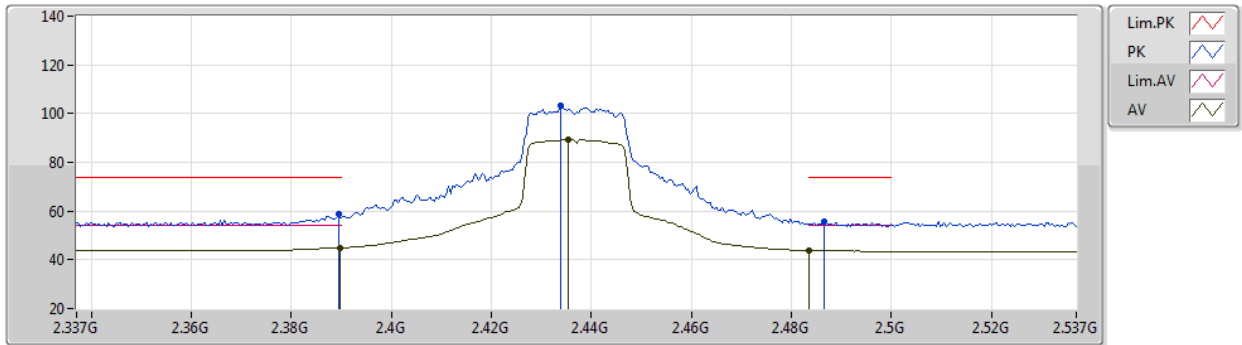
EUT Y_1TX Ant1
Setting 83
06-F-S-5

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	70.40	74.00	-3.60	38.81	3	Vertical	345	2.57	-	27.60	3.99	-
AV	2.3898G	53.78	54.00	-0.22	22.19	3	Vertical	345	2.57	-	27.60	3.99	-
PK	2.4342G	117.33	Inf	-Inf	85.85	3	Vertical	345	2.57	-	27.46	4.02	-
AV	2.4354G	103.08	Inf	-Inf	71.60	3	Vertical	345	2.57	-	27.46	4.02	-
PK	2.4842G	70.44	74.00	-3.56	39.00	3	Vertical	345	2.57	-	27.40	4.04	-
AV	2.4835G	52.21	54.00	-1.79	20.77	3	Vertical	345	2.57	-	27.40	4.04	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



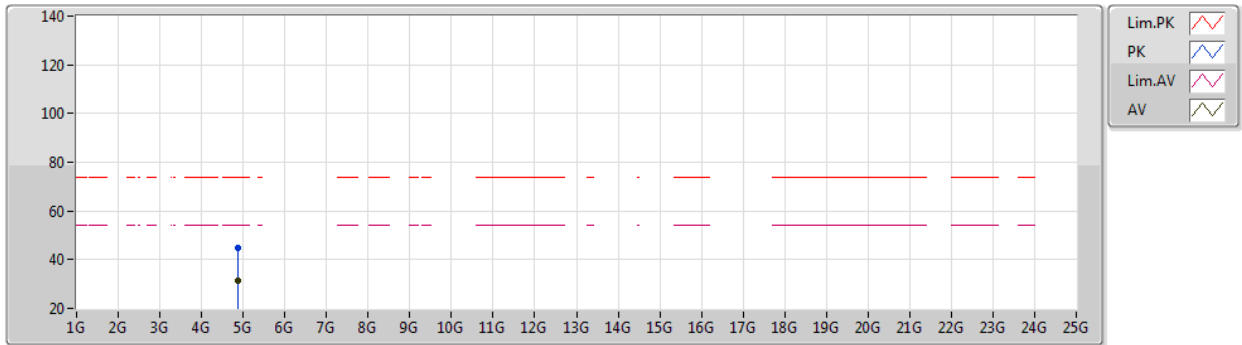
EUT Y_1TX Ant1
Setting 83
06-F-S-5

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	58.55	74.00	-15.45	26.96	3	Horizontal	333	1.83	-	27.60	3.99	-
AV	2.3898G	44.94	54.00	-9.06	13.35	3	Horizontal	333	1.83	-	27.60	3.99	-
PK	2.4338G	103.28	Inf	-Inf	71.80	3	Horizontal	333	1.83	-	27.46	4.02	-
AV	2.4354G	89.28	Inf	-Inf	57.80	3	Horizontal	333	1.83	-	27.46	4.02	-
PK	2.4866G	55.61	74.00	-18.39	24.17	3	Horizontal	333	1.83	-	27.40	4.04	-
AV	2.4835G	43.78	54.00	-10.22	12.34	3	Horizontal	333	1.83	-	27.40	4.04	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



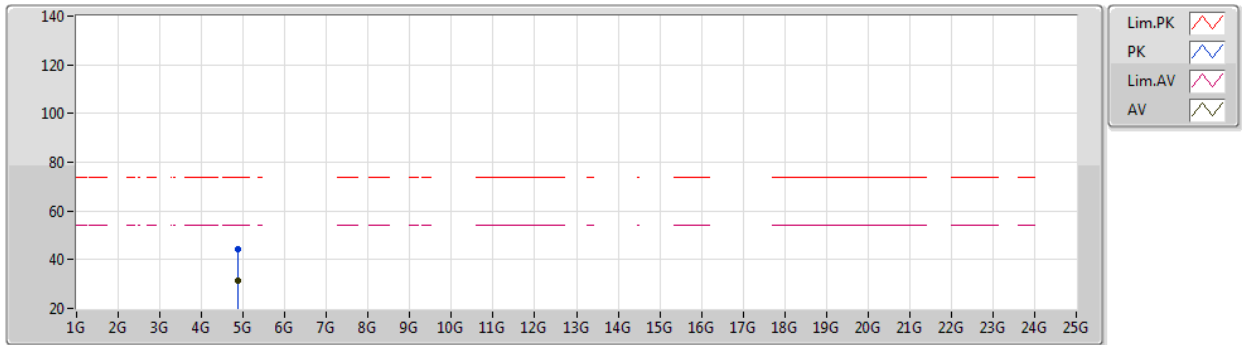
EUT Y_1TX Ant1
Setting 83
06-F-S-5

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	4.88156G	44.98	74.00	-29.02	40.09	3	Vertical	156	1.45	-	31.14	5.42	31.67
AV	4.88016G	31.13	54.00	-22.87	26.25	3	Vertical	156	1.45	-	31.14	5.42	31.68

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



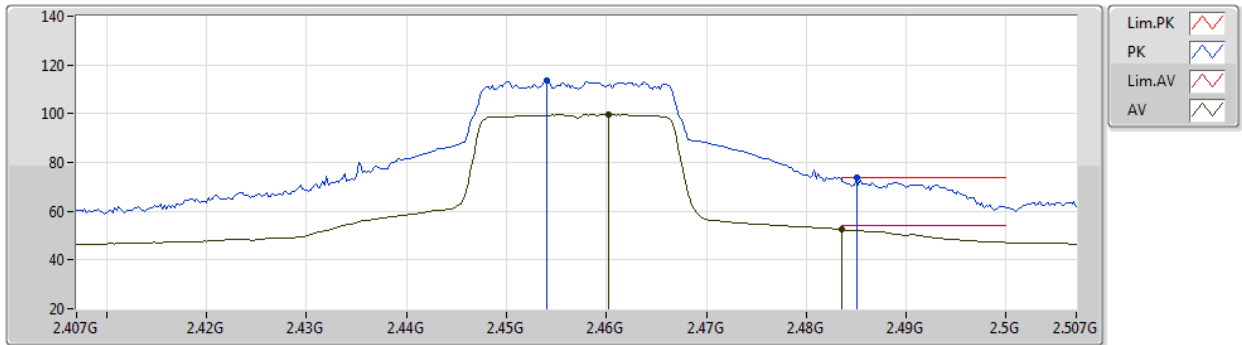
EUT Y_1TX Ant1
Setting 83
06-F-S-5

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	4.8662G	44.52	74.00	-29.48	39.64	3	Horizontal	218	1.70	-	31.17	5.40	31.69
AV	4.88236G	31.15	54.00	-22.85	26.26	3	Horizontal	218	1.70	-	31.14	5.42	31.67

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2457MHz_TX



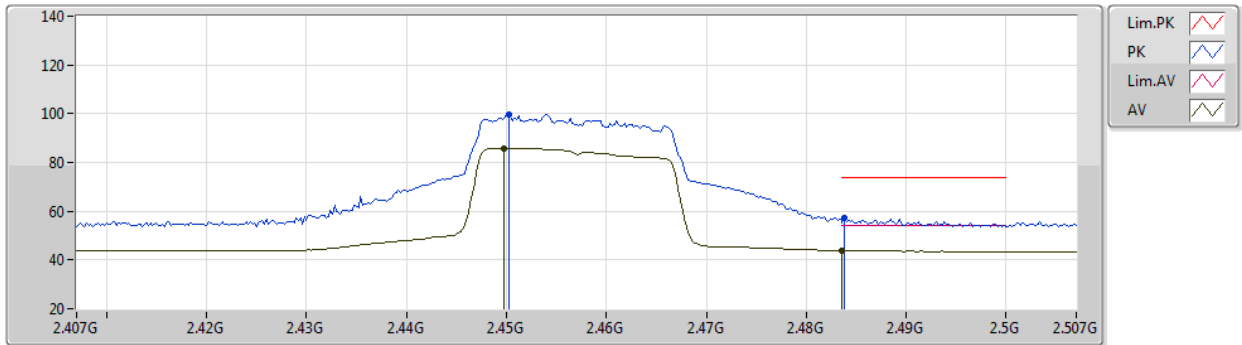
EUT Y_1TX Ant1
Setting 71
06-F-S-5

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	2.454G	113.56	Inf	-Inf	82.13	3	Vertical	302	1.79	-	27.40	4.03	-
AV	2.4602G	99.57	Inf	-Inf	68.14	3	Vertical	302	1.79	-	27.40	4.03	-
PK	2.485G	73.64	74.00	-0.36	42.20	3	Vertical	302	1.79	-	27.40	4.04	-
AV	2.4835G	52.48	54.00	-1.52	21.04	3	Vertical	302	1.79	-	27.40	4.04	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2457MHz_TX



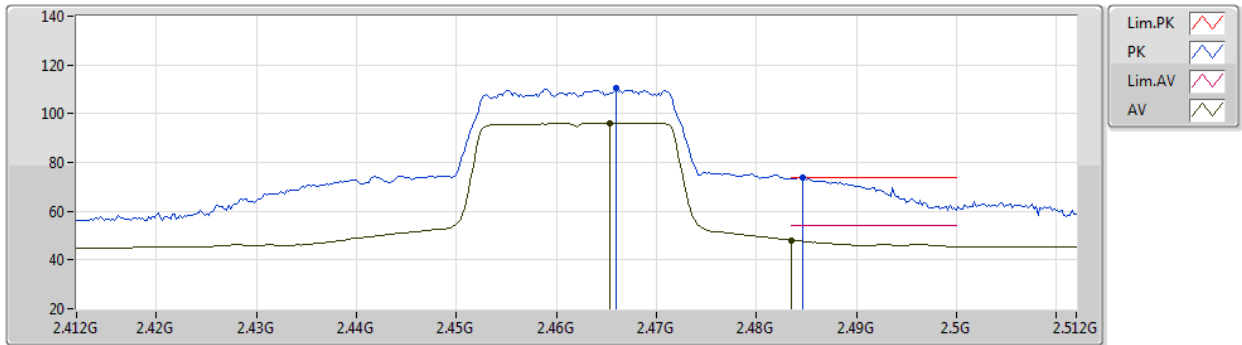
EUT Y_1TX Ant 1
Setting 71
06-F-S-5

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	2.4502G	99.56	Inf	-Inf	68.13	3	Horizontal	326	2.77	-	27.40	4.03	-
AV	2.4498G	85.83	Inf	-Inf	54.41	3	Horizontal	326	2.77	-	27.40	4.02	-
PK	2.4838G	57.17	74.00	-16.83	25.73	3	Horizontal	326	2.77	-	27.40	4.04	-
AV	2.4835G	43.86	54.00	-10.14	12.42	3	Horizontal	326	2.77	-	27.40	4.04	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2462MHz_TX



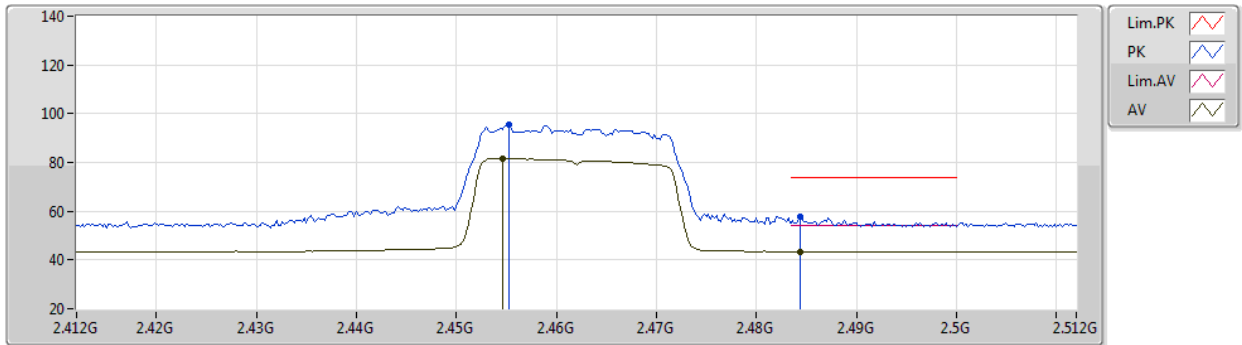
EUT Y_1TX Ant1
Setting 54
06-F-S-5

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	2.466G	110.30	Inf	-Inf	78.87	3	Vertical	308	1.00	-	27.40	4.03	-
AV	2.4654G	96.25	Inf	-Inf	64.82	3	Vertical	308	1.00	-	27.40	4.03	-
PK	2.4846G	73.78	74.00	-0.22	42.34	3	Vertical	308	1.00	-	27.40	4.04	-
AV	2.4835G	48.14	54.00	-5.86	16.70	3	Vertical	308	1.00	-	27.40	4.04	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2462MHz_TX



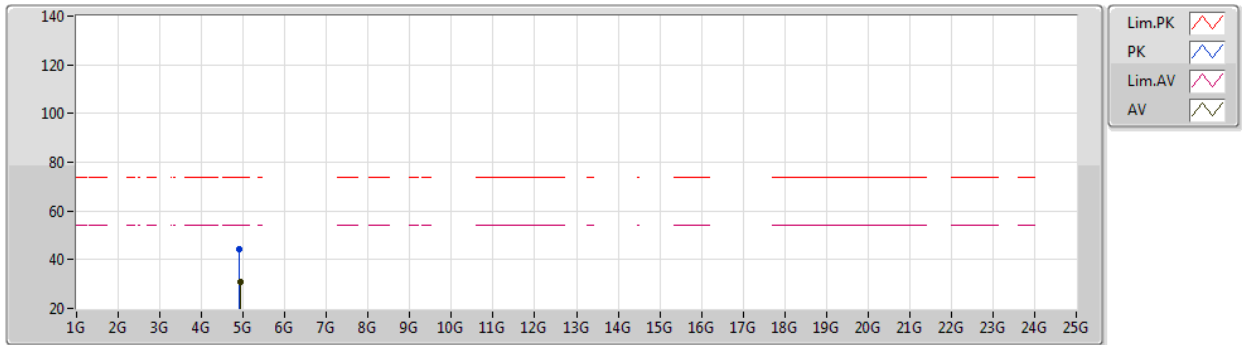
EUT Y_1TX Ant1
Setting 54
06-F-S-5

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	2.4552G	95.38	Inf	-Inf	63.95	3	Horizontal	332	1.99	-	27.40	4.03	-
AV	2.4546G	81.63	Inf	-Inf	50.20	3	Horizontal	332	1.99	-	27.40	4.03	-
PK	2.4844G	57.58	74.00	-16.42	26.14	3	Horizontal	332	1.99	-	27.40	4.04	-
AV	2.4844G	43.49	54.00	-10.51	12.05	3	Horizontal	332	1.99	-	27.40	4.04	-

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2462MHz_TX



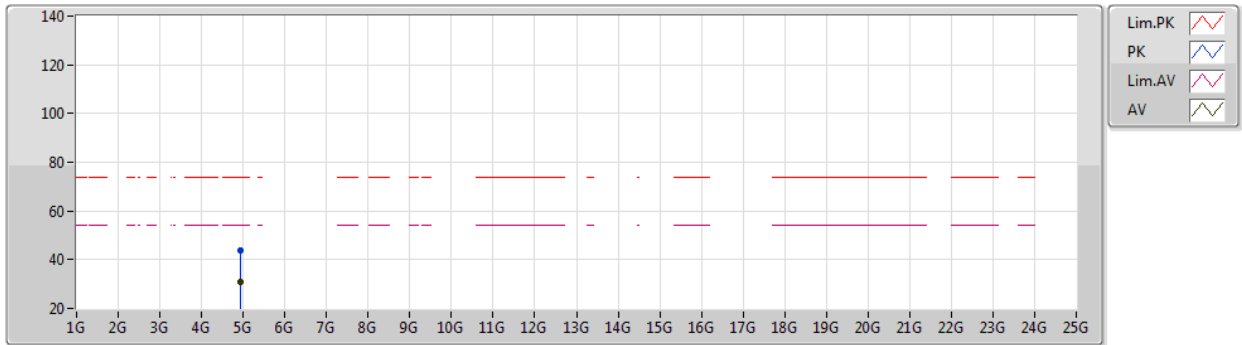
EUT Y_1TX Ant 1
Setting 54
06-F-S-5

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	4.91516G	44.54	74.00	-29.46	39.54	3	Vertical	259	1.08	-	31.16	5.47	31.63
AV	4.93236G	30.96	54.00	-23.04	25.84	3	Vertical	259	1.08	-	31.23	5.50	31.61

802.11ax HEW20_Nss1,(MCS0)_1TX

28/09/2020

2462MHz_TX



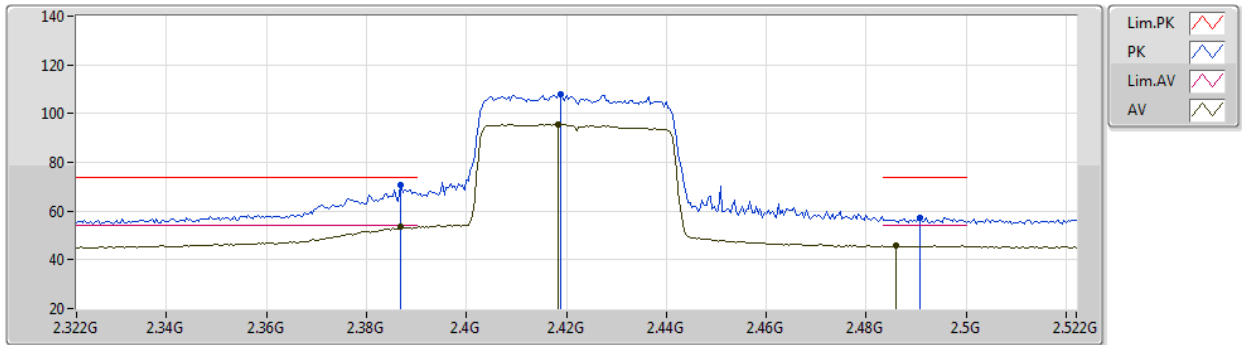
EUT V_1TX Ant 1
Setting 54
06-F-S-5

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	4.93168G	43.91	74.00	-30.09	38.79	3	Horizontal	137	2.01	-	31.23	5.50	31.61
AV	4.93276G	30.99	54.00	-23.01	25.87	3	Horizontal	137	2.01	-	31.23	5.50	31.61

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2422MHz_TX



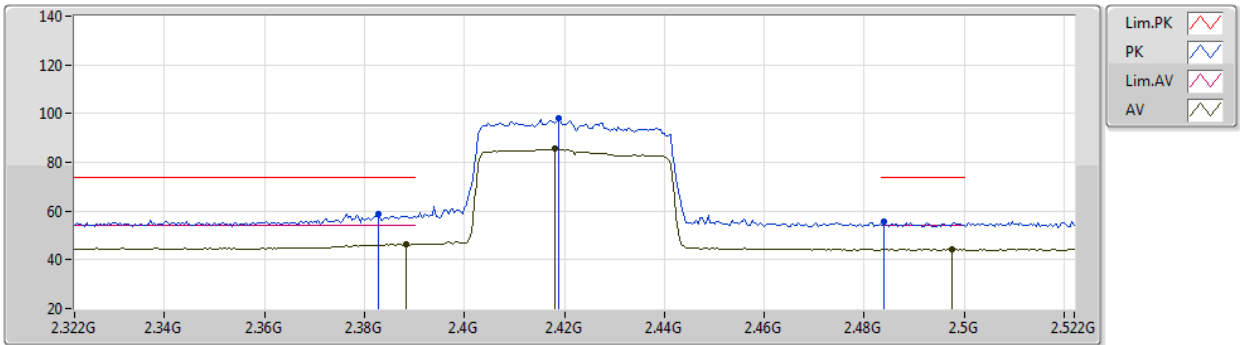
EUT Y_1TX Ant1
Setting 57
06-F-S-5

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	2.3868G	70.78	74.00	-3.22	39.19	3	Vertical	334	2.60	-	27.60	3.99	-
AV	2.3868G	53.78	54.00	-0.22	22.19	3	Vertical	334	2.60	-	27.60	3.99	-
PK	2.4188G	108.13	Inf	-Inf	76.60	3	Vertical	334	2.60	-	27.52	4.01	-
AV	2.4184G	95.56	Inf	-Inf	64.02	3	Vertical	334	2.60	-	27.53	4.01	-
PK	2.4908G	57.36	74.00	-16.64	25.91	3	Vertical	334	2.60	-	27.40	4.05	-
AV	2.486G	45.69	54.00	-8.31	14.25	3	Vertical	334	2.60	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2422MHz_TX



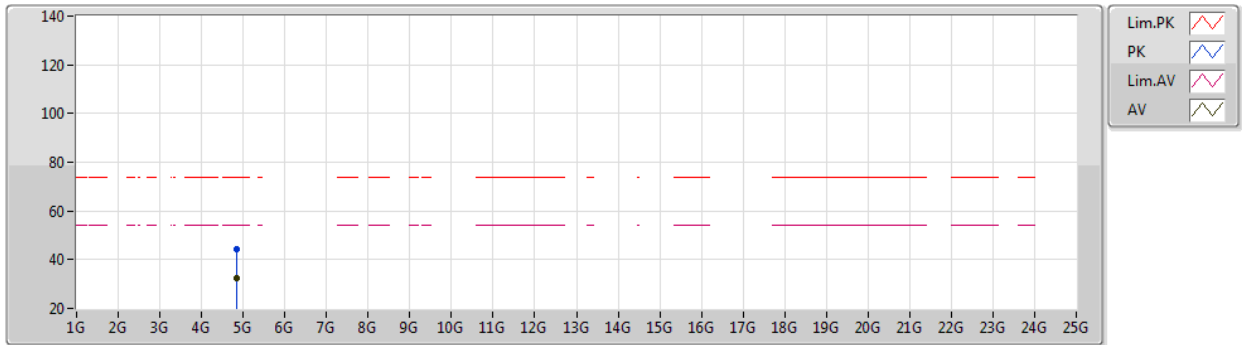
EUT Y_1TX Ant1
Setting 57
06-F-S-5

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	2.3828G	58.87	74.00	-15.13	27.28	3	Horizontal	46	2.80	-	27.60	3.99	-
AV	2.3884G	46.36	54.00	-7.64	14.77	3	Horizontal	46	2.80	-	27.60	3.99	-
PK	2.4188G	97.98	Inf	-Inf	66.45	3	Horizontal	46	2.80	-	27.52	4.01	-
AV	2.418G	85.49	Inf	-Inf	53.95	3	Horizontal	46	2.80	-	27.53	4.01	-
PK	2.484G	55.49	74.00	-18.51	24.05	3	Horizontal	46	2.80	-	27.40	4.04	-
AV	2.4976G	44.39	54.00	-9.61	12.94	3	Horizontal	46	2.80	-	27.40	4.05	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2422MHz_TX



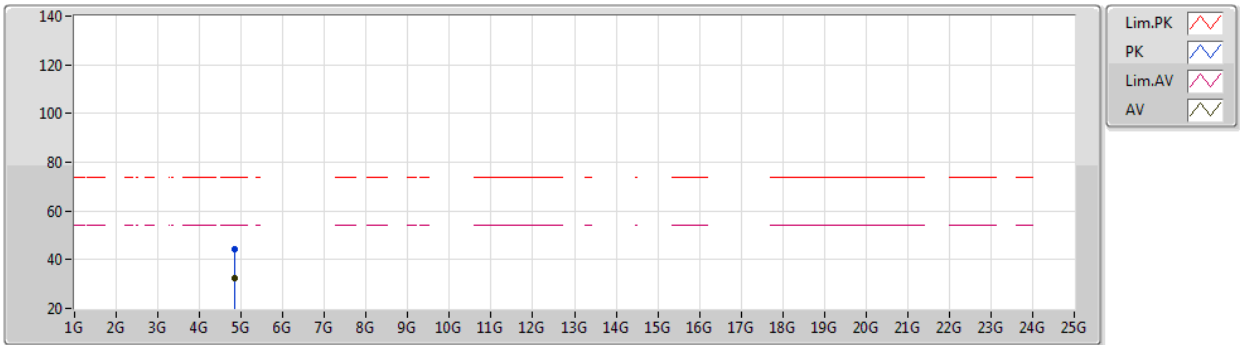
EUT Y_1TX Ant1
Setting 57
06-F-S-5

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	4.85036G	44.53	74.00	-29.47	39.66	3	Vertical	75	2.76	-	31.20	5.38	31.71
AV	4.84052G	32.29	54.00	-21.71	27.49	3	Vertical	75	2.76	-	31.16	5.36	31.72

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2422MHz_TX



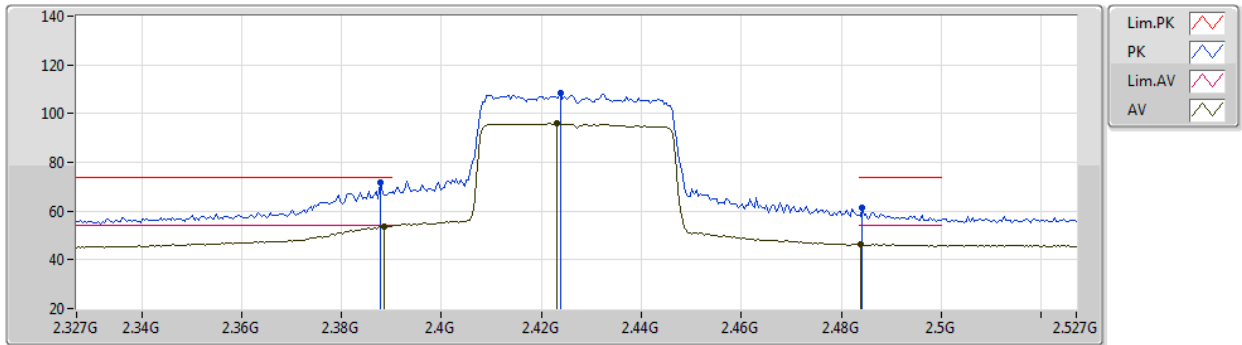
EUT Y_1TX Ant1
Setting 57
06-F-S-5

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	4.83712G	44.48	74.00	-29.52	39.70	3	Horizontal	91	1.92	-	31.15	5.36	31.73
AV	4.85096G	32.54	54.00	-21.46	27.67	3	Horizontal	91	1.92	-	31.20	5.38	31.71

802.11ax HEW40_Nss1,(MCS0)_1TX

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2427MHz_TX



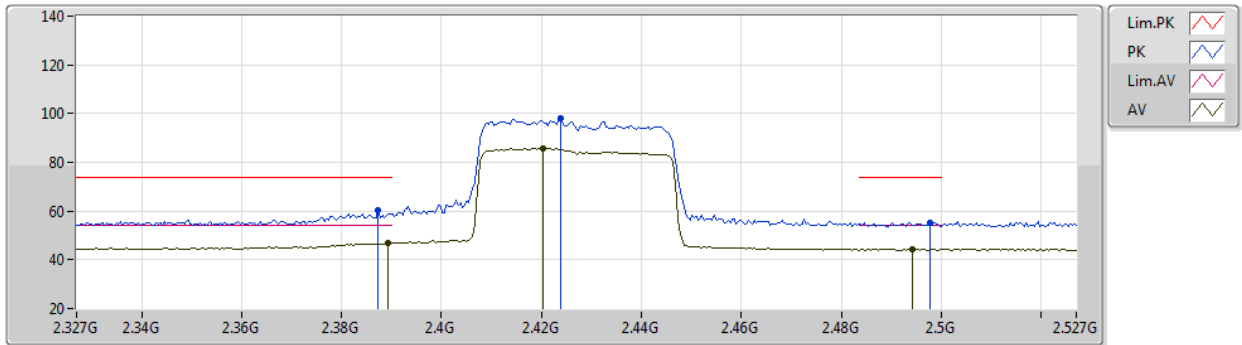
EUT Y_1TX Ant1
Setting 58
06-F-S-5

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	2.3878G	71.66	74.00	-2.34	40.07	3	Vertical	340	2.59	-	27.60	3.99	-
AV	2.3886G	53.81	54.00	-0.19	22.22	3	Vertical	340	2.59	-	27.60	3.99	-
PK	2.4238G	108.44	Inf	-Inf	76.93	3	Vertical	340	2.59	-	27.50	4.01	-
AV	2.423G	95.93	Inf	-Inf	64.41	3	Vertical	340	2.59	-	27.51	4.01	-
PK	2.4842G	61.28	74.00	-12.72	29.84	3	Vertical	340	2.59	-	27.40	4.04	-
AV	2.4838G	46.34	54.00	-7.66	14.90	3	Vertical	340	2.59	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2427MHz_TX



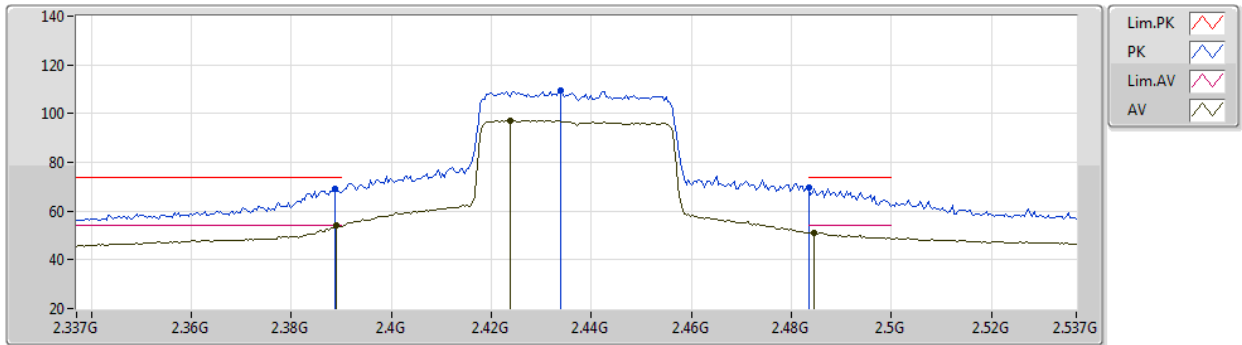
EUT Y_1TX Ant1
Setting 58
06-F-S-5

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	2.3874G	60.37	74.00	-13.63	28.78	3	Horizontal	46	2.80	-	27.60	3.99	-
AV	2.3894G	46.79	54.00	-7.21	15.20	3	Horizontal	46	2.80	-	27.60	3.99	-
PK	2.4238G	97.85	Inf	-Inf	66.34	3	Horizontal	46	2.80	-	27.50	4.01	-
AV	2.4202G	85.70	Inf	-Inf	54.17	3	Horizontal	46	2.80	-	27.52	4.01	-
PK	2.4978G	55.42	74.00	-18.58	23.97	3	Horizontal	46	2.80	-	27.40	4.05	-
AV	2.4942G	44.37	54.00	-9.63	12.92	3	Horizontal	46	2.80	-	27.40	4.05	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



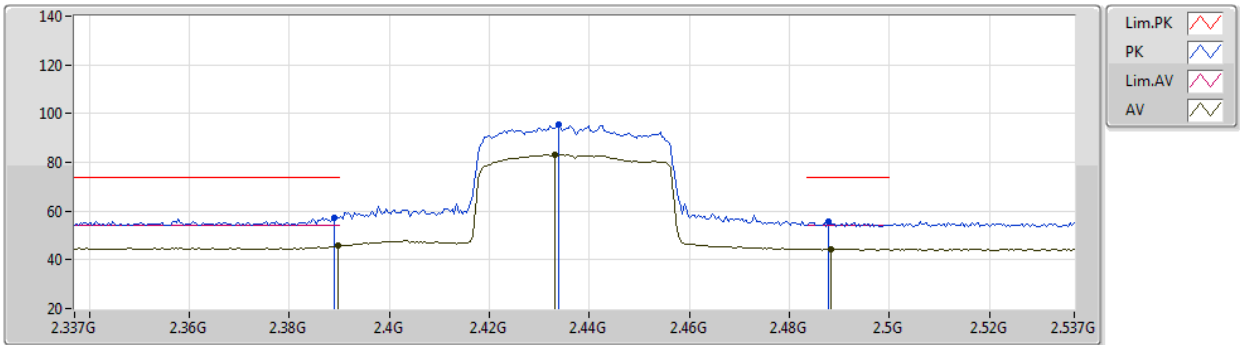
EUT Y_1TX Ant1
Setting 64
06-F-S-5

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	69.24	74.00	-4.76	37.65	3	Vertical	312	1.00	-	27.60	3.99	-
AV	2.389G	53.95	54.00	-0.05	22.36	3	Vertical	312	1.00	-	27.60	3.99	-
PK	2.4338G	109.45	Inf	-Inf	77.97	3	Vertical	312	1.00	-	27.46	4.02	-
AV	2.4238G	97.22	Inf	-Inf	65.71	3	Vertical	312	1.00	-	27.50	4.01	-
PK	2.4835G	69.51	74.00	-4.49	38.07	3	Vertical	312	1.00	-	27.40	4.04	-
AV	2.4846G	51.14	54.00	-2.86	19.70	3	Vertical	312	1.00	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



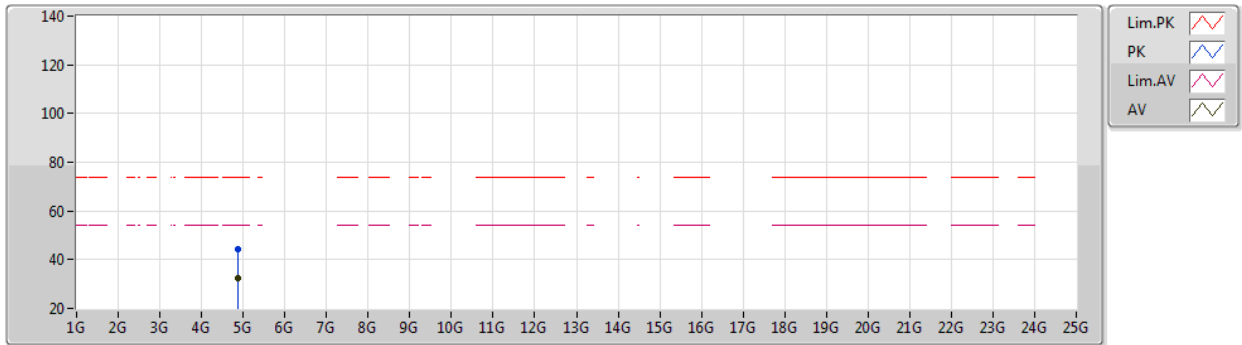
EUT Y_1TX Ant1
Setting 64
06-F-S-5

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	2.389G	57.44	74.00	-16.56	25.85	3	Horizontal	330	1.80	-	27.60	3.99	-
AV	2.3898G	45.62	54.00	-8.38	14.03	3	Horizontal	330	1.80	-	27.60	3.99	-
PK	2.4338G	95.59	Inf	-Inf	64.11	3	Horizontal	330	1.80	-	27.46	4.02	-
AV	2.433G	83.16	Inf	-Inf	51.67	3	Horizontal	330	1.80	-	27.47	4.02	-
PK	2.4878G	55.48	74.00	-18.52	24.04	3	Horizontal	330	1.80	-	27.40	4.04	-
AV	2.4882G	44.54	54.00	-9.46	13.10	3	Horizontal	330	1.80	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2437MHz_TX



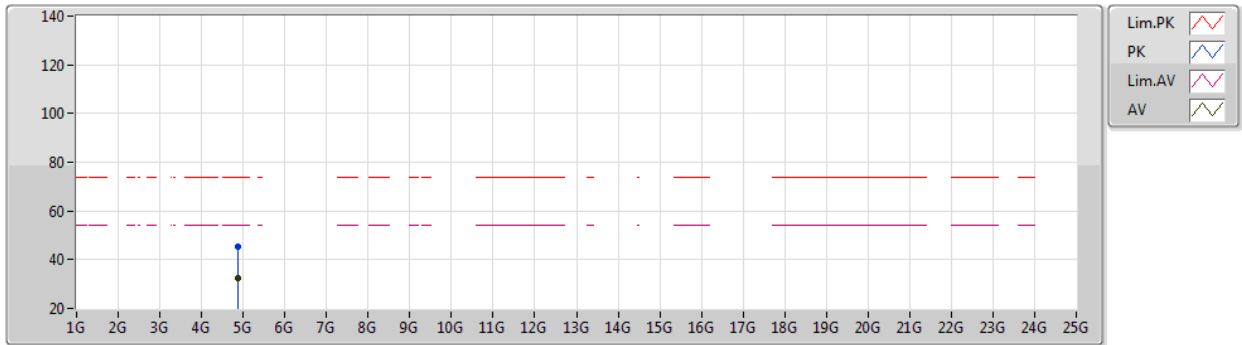
EUT Y_1TX Ant 1
Setting 64
06-F-S-5

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	4.88236G	44.44	74.00	-29.56	39.55	3	Vertical	137	2.37	-	31.14	5.42	31.67
AV	4.88028G	32.56	54.00	-21.44	27.68	3	Vertical	137	2.37	-	31.14	5.42	31.68

802.11ax HEW40_Nss1,(MCS0)_1TX

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2437MHz_TX



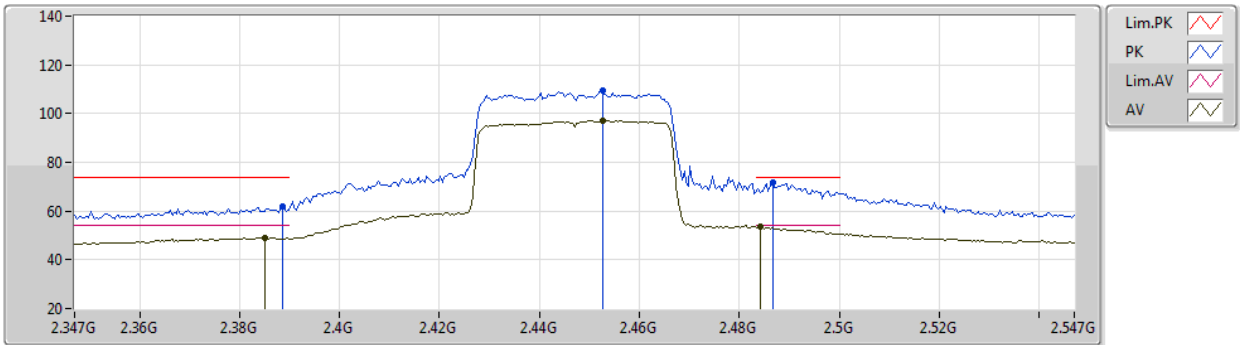
EUT V_1TX Ant1
Setting 64
06-F-S-5

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	45.12	74.00	-28.88	40.24	3	Horizontal	208	2.48	-	31.16	5.41	31.69
AV	4.88268G	32.51	54.00	-21.49	27.63	3	Horizontal	208	2.48	-	31.13	5.42	31.67

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2447MHz_TX



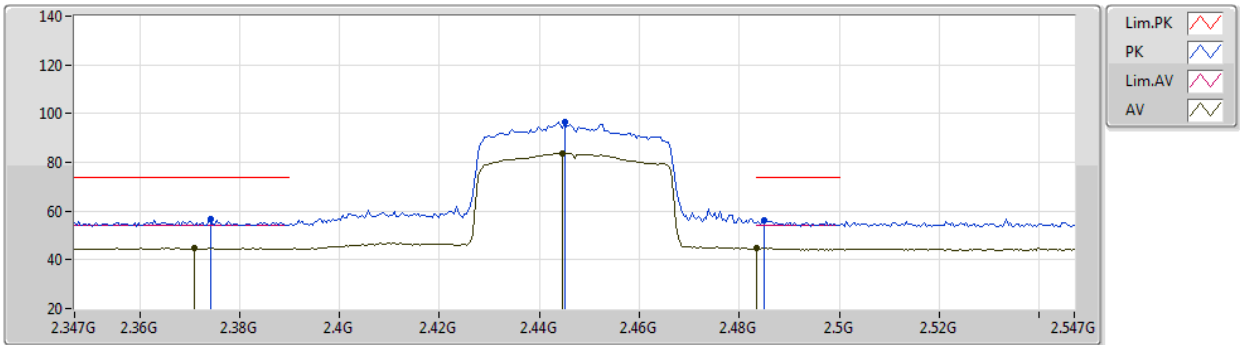
EUT Y_1TX Ant1
Setting 66
06-F-S-5

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	62.10	74.00	-11.90	30.51	3	Vertical	303	1.78	-	27.60	3.99	-
AV	2.385G	48.92	54.00	-5.08	17.33	3	Vertical	303	1.78	-	27.60	3.99	-
PK	2.4526G	109.62	Inf	-Inf	78.19	3	Vertical	303	1.78	-	27.40	4.03	-
AV	2.4526G	97.14	Inf	-Inf	65.71	3	Vertical	303	1.78	-	27.40	4.03	-
PK	2.4866G	71.61	74.00	-2.39	40.17	3	Vertical	303	1.78	-	27.40	4.04	-
AV	2.4842G	53.76	54.00	-0.24	22.32	3	Vertical	303	1.78	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2447MHz_TX



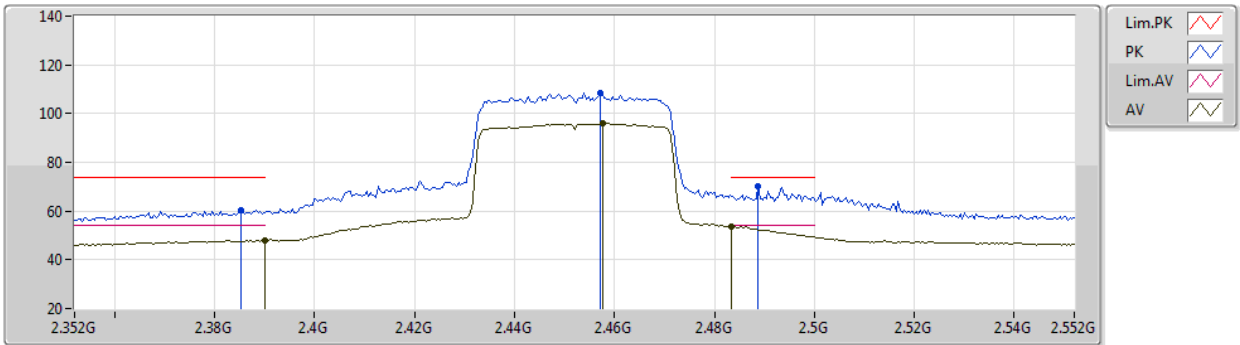
EUT Y_1TX Ant1
Setting 66
06-F-S-5

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	2.3742G	56.56	74.00	-17.44	24.97	3	Horizontal	329	2.76	-	27.60	3.99	-
AV	2.371G	44.86	54.00	-9.14	13.27	3	Horizontal	329	2.76	-	27.60	3.99	-
PK	2.445G	96.79	Inf	-Inf	65.35	3	Horizontal	329	2.76	-	27.42	4.02	-
AV	2.4446G	83.72	Inf	-Inf	52.28	3	Horizontal	329	2.76	-	27.42	4.02	-
PK	2.485G	56.27	74.00	-17.73	24.83	3	Horizontal	329	2.76	-	27.40	4.04	-
AV	2.4835G	44.75	54.00	-9.25	13.31	3	Horizontal	329	2.76	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2452MHz_TX



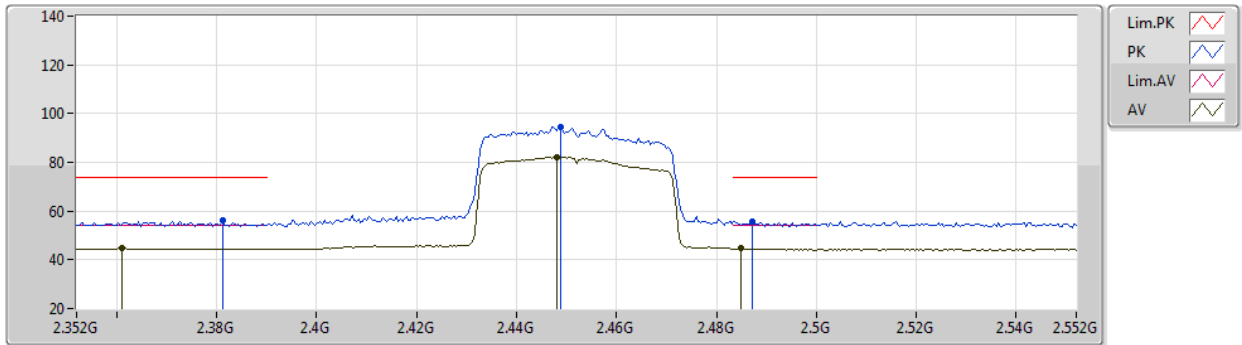
EUT Y_1TX Ant 1
Setting 60
06-F-S-5

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	2.3852G	60.51	74.00	-13.49	28.92	3	Vertical	302	1.78	-	27.60	3.99	-
AV	2.39G	47.96	54.00	-6.04	16.36	3	Vertical	302	1.78	-	27.60	4.00	-
PK	2.4572G	108.50	Inf	-Inf	77.07	3	Vertical	302	1.78	-	27.40	4.03	-
AV	2.4576G	96.01	Inf	-Inf	64.58	3	Vertical	302	1.78	-	27.40	4.03	-
PK	2.4888G	70.35	74.00	-3.65	38.91	3	Vertical	302	1.78	-	27.40	4.04	-
AV	2.4835G	53.76	54.00	-0.24	22.32	3	Vertical	302	1.78	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2452MHz_TX



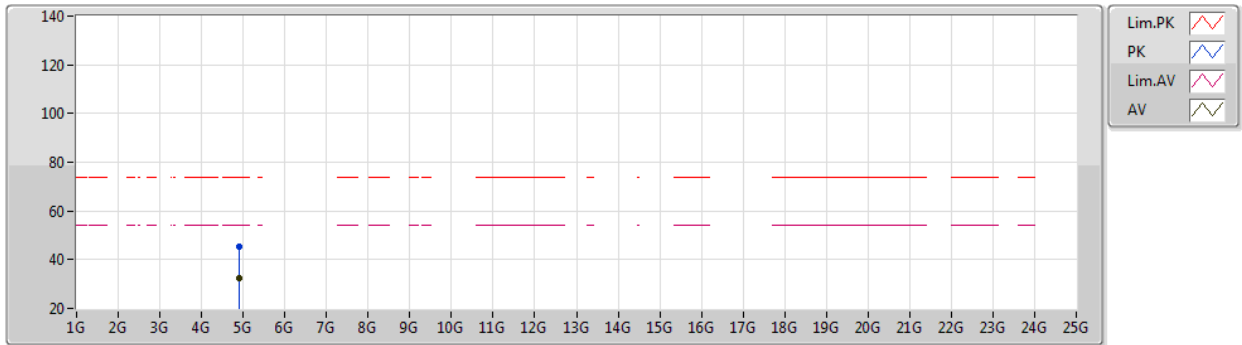
EUT Y_1TX Ant1
Setting 60
06-F-S-5

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	2.3812G	55.99	74.00	-18.01	24.40	3	Horizontal	330	2.78	-	27.60	3.99	-
AV	2.3612G	44.66	54.00	-9.34	13.08	3	Horizontal	330	2.78	-	27.60	3.98	-
PK	2.4488G	94.71	Inf	-Inf	63.29	3	Horizontal	330	2.78	-	27.40	4.02	-
AV	2.448G	82.26	Inf	-Inf	50.83	3	Horizontal	330	2.78	-	27.41	4.02	-
PK	2.4872G	55.59	74.00	-18.41	24.15	3	Horizontal	330	2.78	-	27.40	4.04	-
AV	2.4848G	44.62	54.00	-9.38	13.18	3	Horizontal	330	2.78	-	27.40	4.04	-

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2452MHz_TX



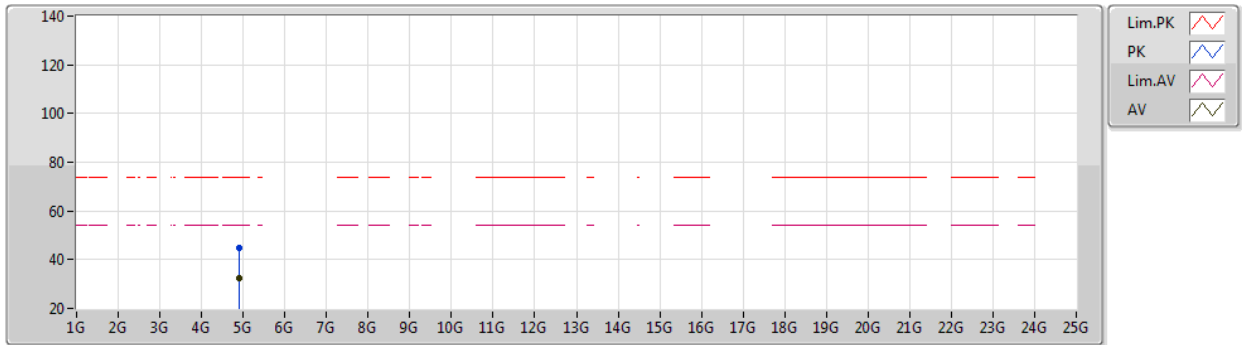
EUT Y_1TX Ant 1
Setting 60
06-F-S-5

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	4.90856G	45.20	74.00	-28.80	40.25	3	Vertical	325	1.77	-	31.13	5.46	31.64
AV	4.90244G	32.56	54.00	-21.44	27.65	3	Vertical	325	1.77	-	31.11	5.45	31.65

802.11ax HEW40_Nss1,(MCS0)_1TX

28/09/2020

2452MHz_TX



EUT Y_1TX Ant1
Setting 60
06-F-S-5

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	4.90992G	44.60	74.00	-29.40	39.64	3	Horizontal	249	1.73	-	31.14	5.46	31.64
AV	4.89944G	32.53	54.00	-21.47	27.63	3	Horizontal	249	1.73	-	31.10	5.45	31.65



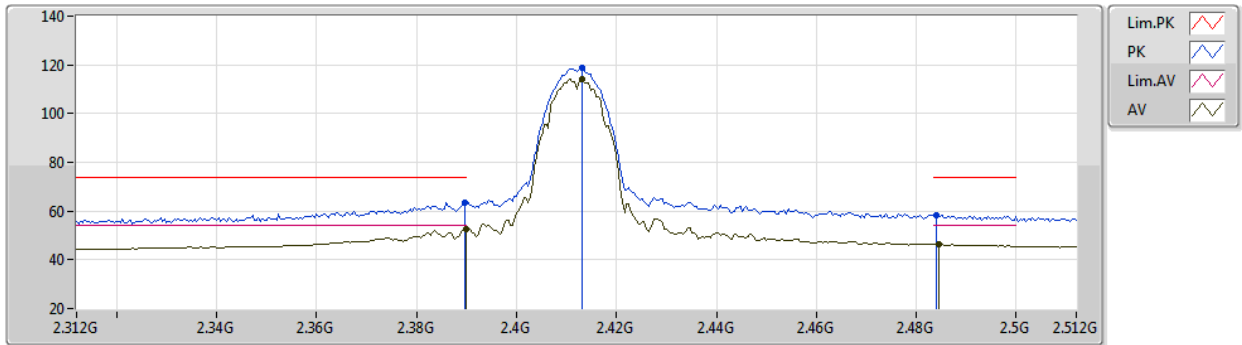
**For non beamforming mode_2TX
Summary**

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_Nss1,(MCS0)_2TX	Pass	PK	2.4846G	73.98	74.00	-0.02	3	Vertical	10	1.73	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2412MHz_TX



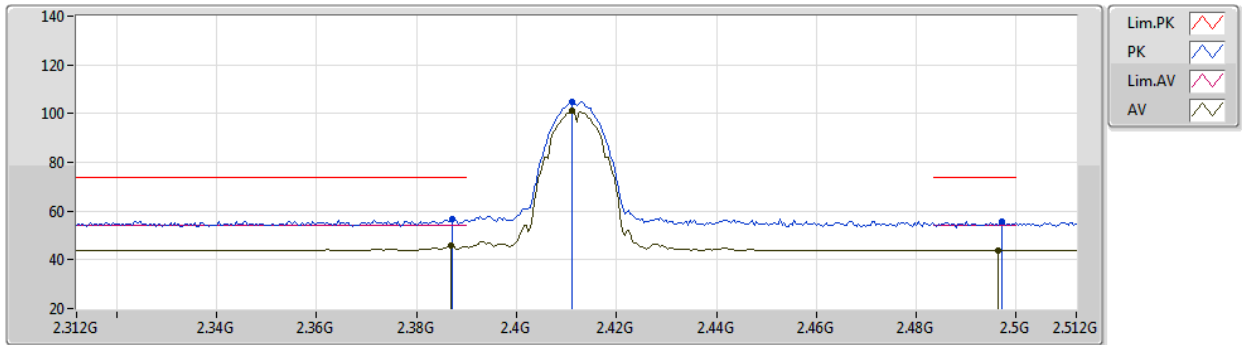
EUT Y_2TX
Setting 76
04-D-P-2

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	63.30	74.00	-10.70	32.50	3	Vertical	8	2.09	-	27.51	3.29	-
AV	2.39G	52.34	54.00	-1.66	21.54	3	Vertical	8	2.09	-	27.51	3.29	-
PK	2.4132G	118.60	Inf	-Inf	87.74	3	Vertical	8	2.09	-	27.55	3.31	-
AV	2.4132G	114.25	Inf	-Inf	83.39	3	Vertical	8	2.09	-	27.55	3.31	-
PK	2.484G	58.42	74.00	-15.58	27.24	3	Vertical	8	2.09	-	27.84	3.34	-
AV	2.4844G	46.47	54.00	-7.53	15.29	3	Vertical	8	2.09	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2412MHz_TX



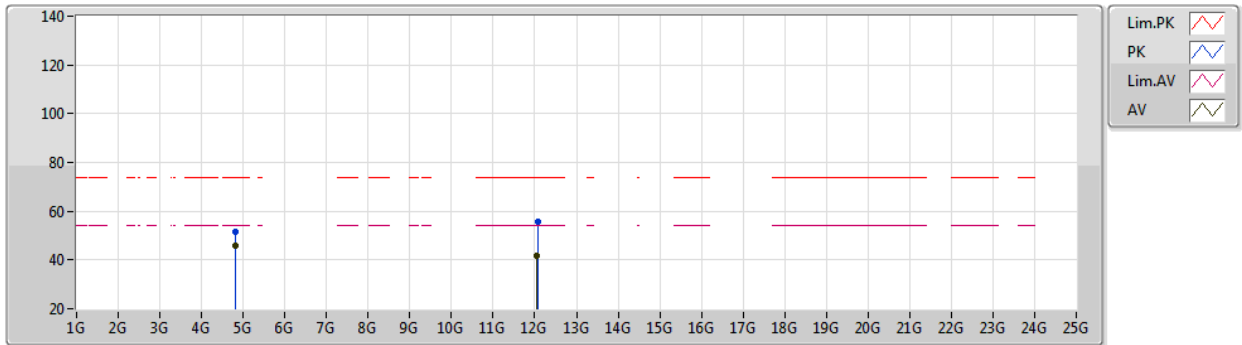
EUT Y_2TX
Setting 76
04-D-P-2

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	2.3872G	56.69	74.00	-17.31	25.89	3	Horizontal	53	2.43	-	27.51	3.29	-
AV	2.3868G	45.70	54.00	-8.30	14.90	3	Horizontal	53	2.43	-	27.51	3.29	-
PK	2.4112G	104.89	Inf	-Inf	74.04	3	Horizontal	53	2.43	-	27.54	3.31	-
AV	2.4112G	101.04	Inf	-Inf	70.19	3	Horizontal	53	2.43	-	27.54	3.31	-
PK	2.4972G	55.62	74.00	-18.38	24.38	3	Horizontal	53	2.43	-	27.89	3.35	-
AV	2.4964G	43.84	54.00	-10.16	12.60	3	Horizontal	53	2.43	-	27.89	3.35	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2412MHz_TX



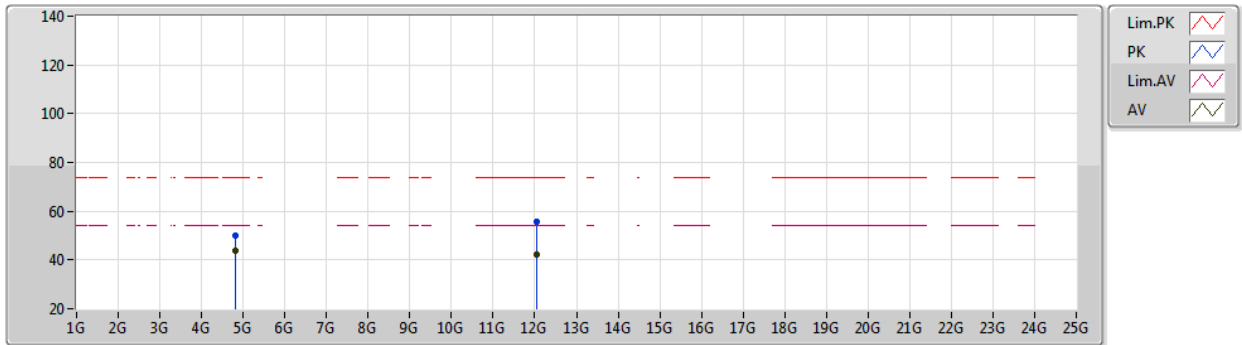
EUT Y_2TX
Setting 76
04-D-P-2

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	4.82404G	51.50	74.00	-22.50	46.96	3	Vertical	309	1.94	-	32.60	4.82	32.88
AV	4.82403G	46.12	54.00	-7.88	41.58	3	Vertical	309	1.94	-	32.60	4.82	32.88
PK	12.06324G	55.74	74.00	-18.26	43.16	3	Vertical	5	1.80	-	38.95	7.99	34.36
AV	12.0589G	41.91	54.00	-12.09	29.33	3	Vertical	5	1.80	-	38.95	7.99	34.36

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2412MHz_TX



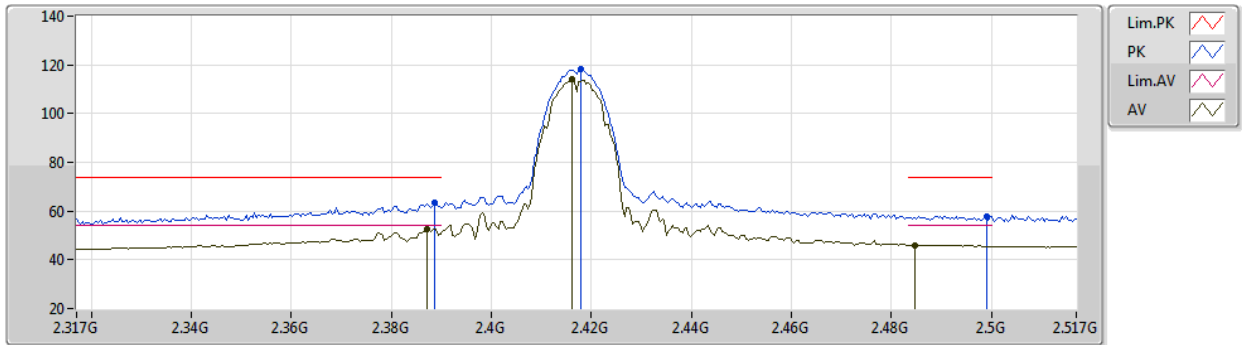
EUT Y_2TX
Setting 76
04-D-P-2

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	4.82398G	50.07	74.00	-23.93	45.53	3	Horizontal	344	1.65	-	32.60	4.82	32.88
AV	4.824G	43.97	54.00	-10.03	39.43	3	Horizontal	344	1.65	-	32.60	4.82	32.88
PK	12.06084G	55.77	74.00	-18.23	43.19	3	Horizontal	339	1.80	-	38.95	7.99	34.36
AV	12.05922G	42.10	54.00	-11.90	29.52	3	Horizontal	339	1.80	-	38.95	7.99	34.36

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2417MHz_TX



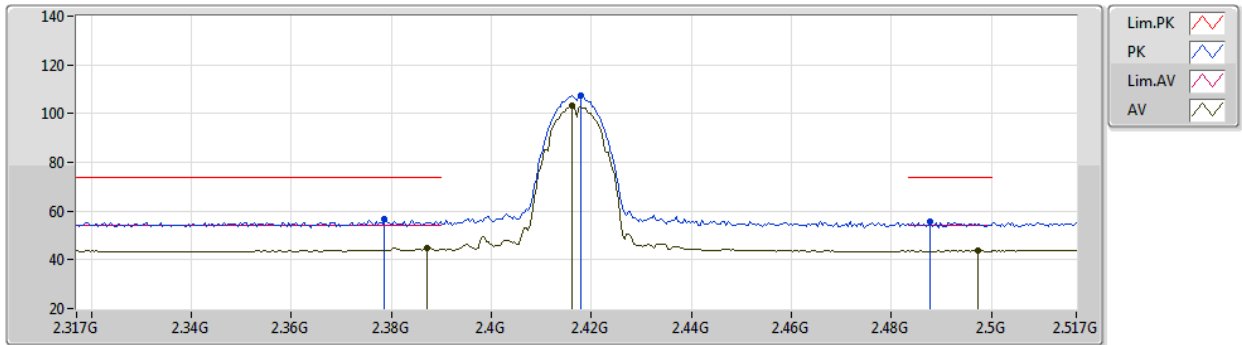
EUT Y_2TX
Setting 79
04-D-P-2

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	63.46	74.00	-10.54	32.66	3	Vertical	340	1.67	-	27.51	3.29	-
AV	2.387G	52.77	54.00	-1.23	21.97	3	Vertical	340	1.67	-	27.51	3.29	-
PK	2.4178G	118.06	Inf	-Inf	87.18	3	Vertical	340	1.67	-	27.57	3.31	-
AV	2.4162G	113.89	Inf	-Inf	83.02	3	Vertical	340	1.67	-	27.56	3.31	-
PK	2.499G	58.00	74.00	-16.00	26.75	3	Vertical	340	1.67	-	27.90	3.35	-
AV	2.4846G	46.11	54.00	-7.89	14.93	3	Vertical	340	1.67	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2417MHz_TX



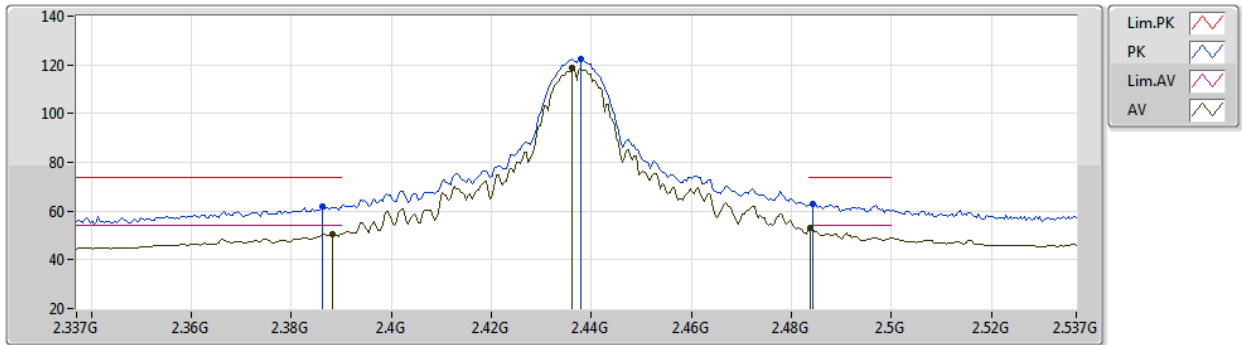
EUT_Y_2TX
Setting 79
04-D-P-2

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	2.3786G	56.48	74.00	-17.52	25.68	3	Horizontal	335	2.23	-	27.52	3.28	-
AV	2.387G	45.00	54.00	-9.00	14.20	3	Horizontal	335	2.23	-	27.51	3.29	-
PK	2.4178G	107.22	Inf	-Inf	76.34	3	Horizontal	335	2.23	-	27.57	3.31	-
AV	2.4162G	103.17	Inf	-Inf	72.30	3	Horizontal	335	2.23	-	27.56	3.31	-
PK	2.4878G	55.73	74.00	-18.27	24.54	3	Horizontal	335	2.23	-	27.85	3.34	-
AV	2.4974G	43.60	54.00	-10.40	12.36	3	Horizontal	335	2.23	-	27.89	3.35	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2437MHz_TX



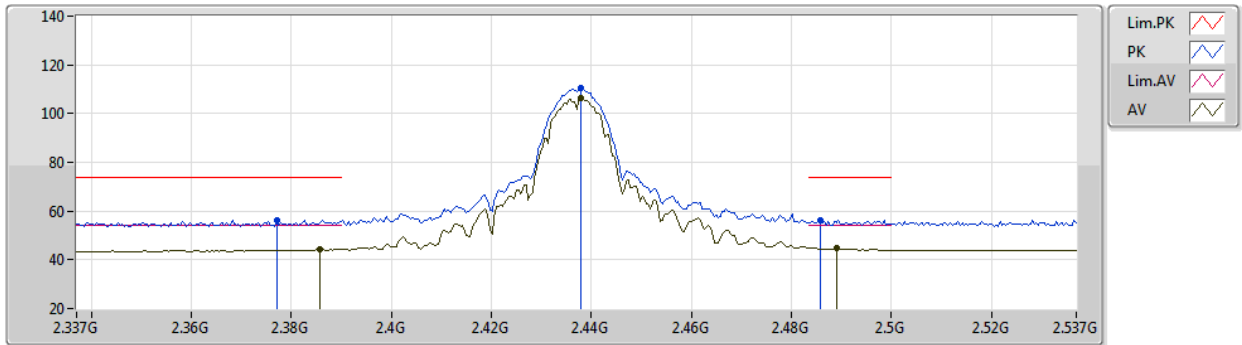
EUT Y_2TX
Setting 93
04-D-P-2

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	2.3862G	62.04	74.00	-11.96	31.24	3	Vertical	16	1.86	-	27.51	3.29	-
AV	2.3882G	50.60	54.00	-3.40	19.80	3	Vertical	16	1.86	-	27.51	3.29	-
PK	2.4378G	122.48	Inf	-Inf	91.51	3	Vertical	16	1.86	-	27.65	3.32	-
AV	2.4362G	118.57	Inf	-Inf	87.61	3	Vertical	16	1.86	-	27.64	3.32	-
PK	2.4842G	63.14	74.00	-10.86	31.96	3	Vertical	16	1.86	-	27.84	3.34	-
AV	2.4838G	53.05	54.00	-0.95	21.87	3	Vertical	16	1.86	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

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2437MHz_TX



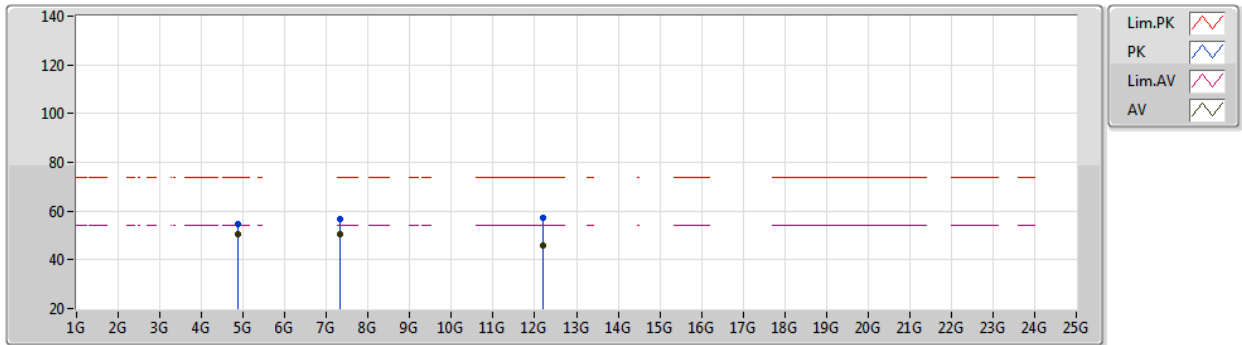
EUT Y_2TX
Setting 93
04-D-P-2

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	2.377G	56.27	74.00	-17.73	25.47	3	Horizontal	24	2.87	-	27.52	3.28	-
AV	2.3858G	44.22	54.00	-9.78	13.42	3	Horizontal	24	2.87	-	27.51	3.29	-
PK	2.4378G	110.41	Inf	-Inf	79.44	3	Horizontal	24	2.87	-	27.65	3.32	-
AV	2.4378G	106.35	Inf	-Inf	75.38	3	Horizontal	24	2.87	-	27.65	3.32	-
PK	2.4858G	56.41	74.00	-17.59	25.23	3	Horizontal	24	2.87	-	27.84	3.34	-
AV	2.489G	44.99	54.00	-9.01	13.79	3	Horizontal	24	2.87	-	27.86	3.34	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2437MHz_TX



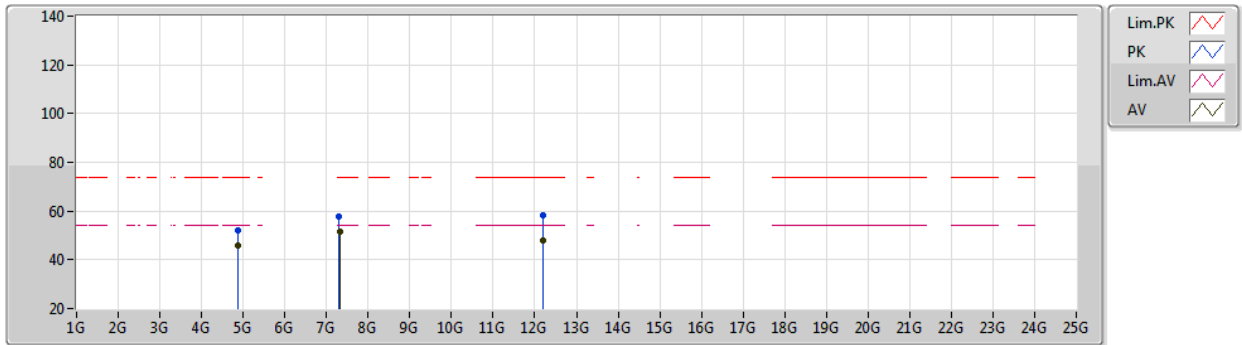
EUT_Y_2TX
Setting 93
04-D-P-2

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	4.87408G	54.80	74.00	-19.20	50.02	3	Vertical	50	1.46	-	32.80	4.85	32.87
AV	4.87402G	50.73	54.00	-3.27	45.95	3	Vertical	50	1.46	-	32.80	4.85	32.87
PK	7.31192G	56.95	74.00	-17.05	46.91	3	Vertical	75	2.95	-	37.51	5.88	33.35
AV	7.31176G	50.67	54.00	-3.33	40.63	3	Vertical	75	2.95	-	37.51	5.88	33.35
PK	12.18354G	57.21	74.00	-16.79	44.48	3	Vertical	5	1.80	-	39.05	8.00	34.32
AV	12.18582G	45.91	54.00	-8.09	33.18	3	Vertical	5	1.80	-	39.05	8.00	34.32

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2437MHz_TX



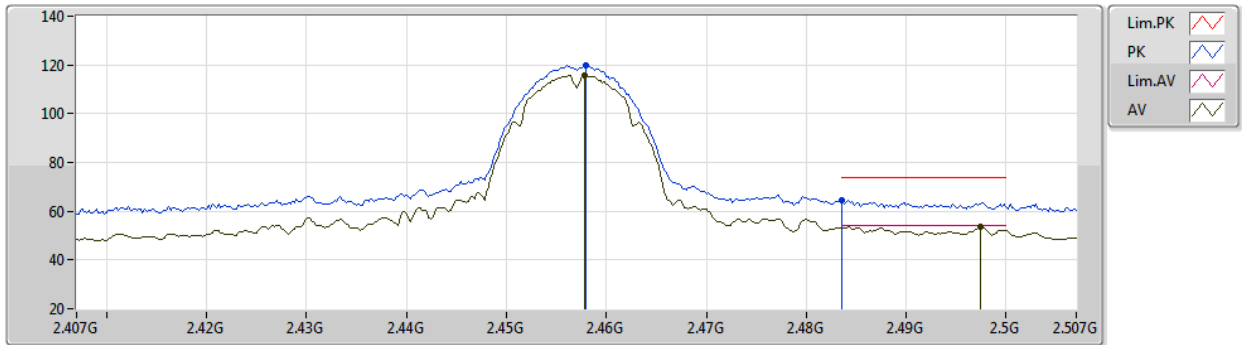
EUT Y_2TX
Setting 93
04-D-P-2

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	4.87416G	51.82	74.00	-22.18	47.04	3	Horizontal	41	1.86	-	32.80	4.85	32.87
AV	4.874G	46.09	54.00	-7.91	41.31	3	Horizontal	41	1.86	-	32.80	4.85	32.87
PK	7.3101G	57.68	74.00	-16.32	47.64	3	Horizontal	214	1.84	-	37.51	5.88	33.35
AV	7.31174G	51.45	54.00	-2.55	41.41	3	Horizontal	214	1.84	-	37.51	5.88	33.35
PK	12.1854G	58.29	74.00	-15.71	45.56	3	Horizontal	324	1.84	-	39.05	8.00	34.32
AV	12.1858G	48.17	54.00	-5.83	35.44	3	Horizontal	324	1.84	-	39.05	8.00	34.32

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2457MHz_TX



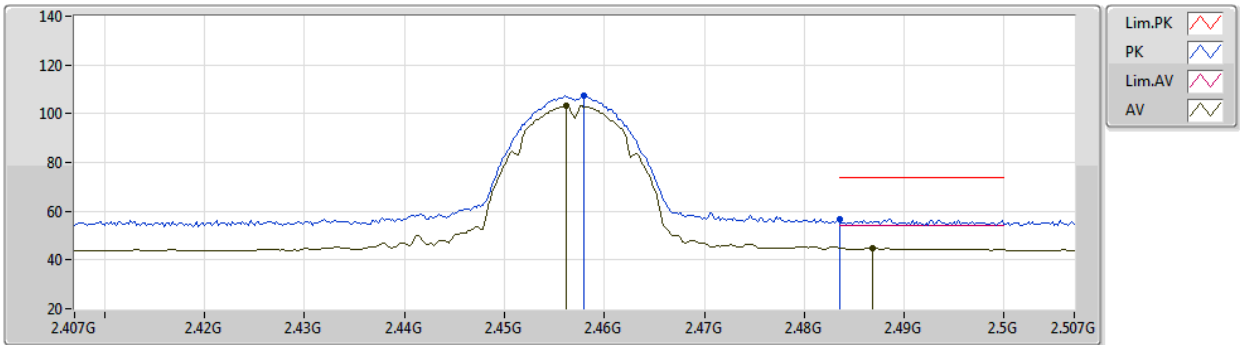
EUT Y_2TX
Setting 81
04-D-N-2

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	2.458G	119.80	Inf	-Inf	88.74	3	Vertical	345	1.54	-	27.73	3.33	-
AV	2.4578G	115.74	Inf	-Inf	84.68	3	Vertical	345	1.54	-	27.73	3.33	-
PK	2.4835G	64.44	74.00	-9.56	33.27	3	Vertical	345	1.54	-	27.83	3.34	-
AV	2.4974G	53.53	54.00	-0.47	22.29	3	Vertical	345	1.54	-	27.89	3.35	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2457MHz_TX



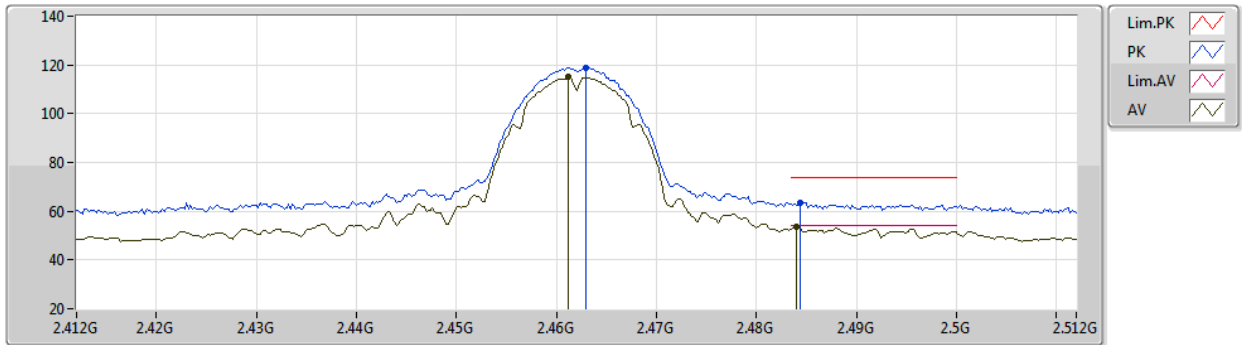
EUT Y_2TX
Setting 81
04-D-N-2

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	2.458G	107.25	Inf	-Inf	76.19	3	Horizontal	314	2.58	-	27.73	3.33	-
AV	2.4562G	103.40	Inf	-Inf	72.35	3	Horizontal	314	2.58	-	27.72	3.33	-
PK	2.4835G	56.85	74.00	-17.15	25.68	3	Horizontal	314	2.58	-	27.83	3.34	-
AV	2.4868G	45.06	54.00	-8.94	13.87	3	Horizontal	314	2.58	-	27.85	3.34	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2462MHz_TX



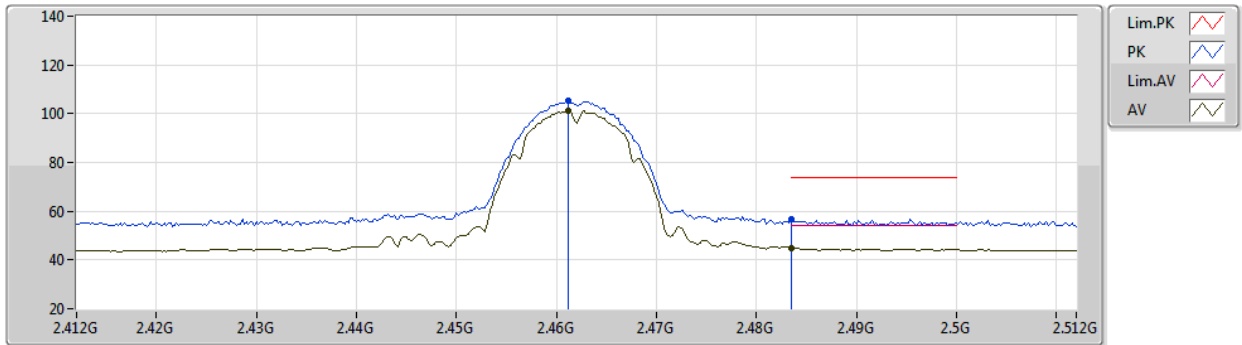
EUT Y_2TX
Setting 80
04-D-N-2

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	2.463G	119.03	Inf	-Inf	87.95	3	Vertical	339	2.16	-	27.75	3.33	-
AV	2.4612G	115.11	Inf	-Inf	84.04	3	Vertical	339	2.16	-	27.74	3.33	-
PK	2.4844G	63.70	74.00	-10.30	32.52	3	Vertical	339	2.16	-	27.84	3.34	-
AV	2.484G	53.81	54.00	-0.19	22.63	3	Vertical	339	2.16	-	27.84	3.34	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2462MHz_TX



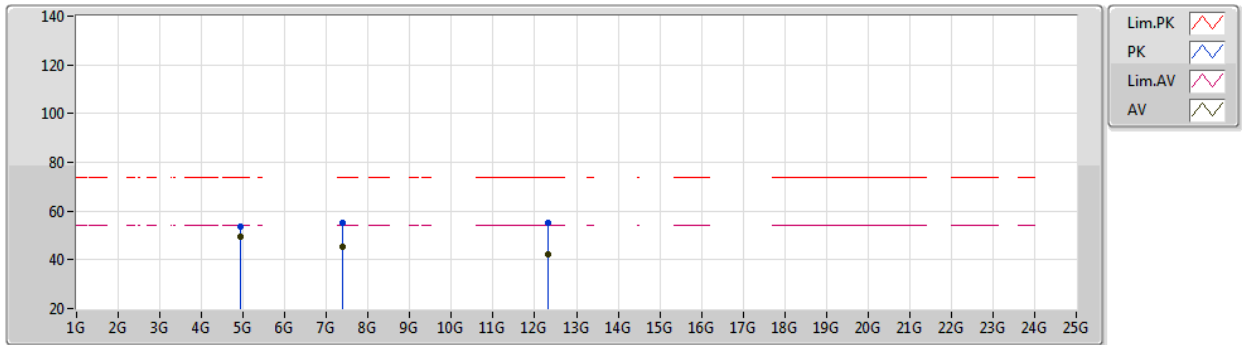
EUT Y_2TX
Setting 80
04-D-N-2

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	2.4612G	105.19	Inf	-Inf	74.12	3	Horizontal	319	2.57	-	27.74	3.33	-
AV	2.4612G	101.21	Inf	-Inf	70.14	3	Horizontal	319	2.57	-	27.74	3.33	-
PK	2.4835G	56.54	74.00	-17.46	25.37	3	Horizontal	319	2.57	-	27.83	3.34	-
AV	2.4835G	44.92	54.00	-9.08	13.75	3	Horizontal	319	2.57	-	27.83	3.34	-

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2462MHz_TX



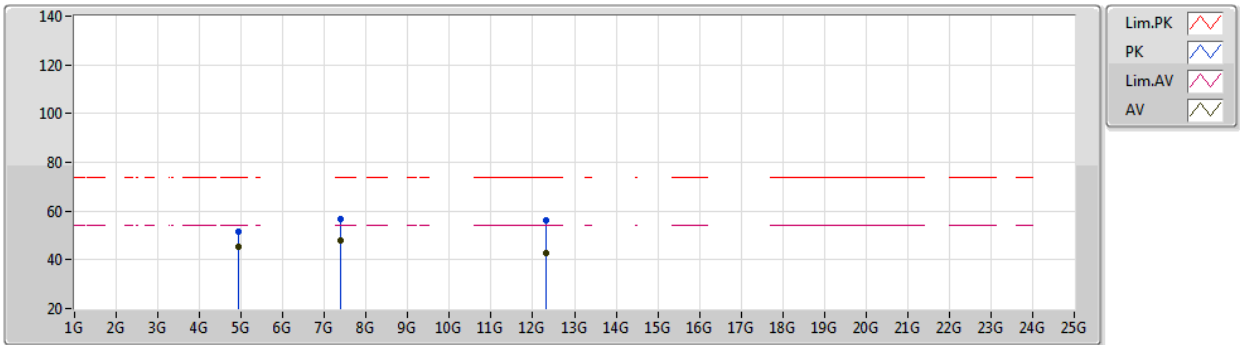
EUT Y_2TX
Setting 80
04-D-N-2

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	4.92406G	53.42	74.00	-20.58	48.46	3	Vertical	0	1.95	-	32.95	4.88	32.87
AV	4.924G	49.23	54.00	-4.77	44.27	3	Vertical	0	1.95	-	32.95	4.88	32.87
PK	7.38792G	54.95	74.00	-19.05	44.85	3	Vertical	337	1.77	-	37.59	5.91	33.40
AV	7.38536G	45.19	54.00	-8.81	35.09	3	Vertical	337	1.77	-	37.59	5.91	33.40
PK	12.30668G	55.32	74.00	-18.68	42.43	3	Vertical	69	1.90	-	39.15	8.02	34.28
AV	12.30908G	42.11	54.00	-11.89	29.22	3	Vertical	69	1.90	-	39.15	8.02	34.28

802.11b_Nss1,(1Mbps)_2TX

28/09/2020

2462MHz_TX



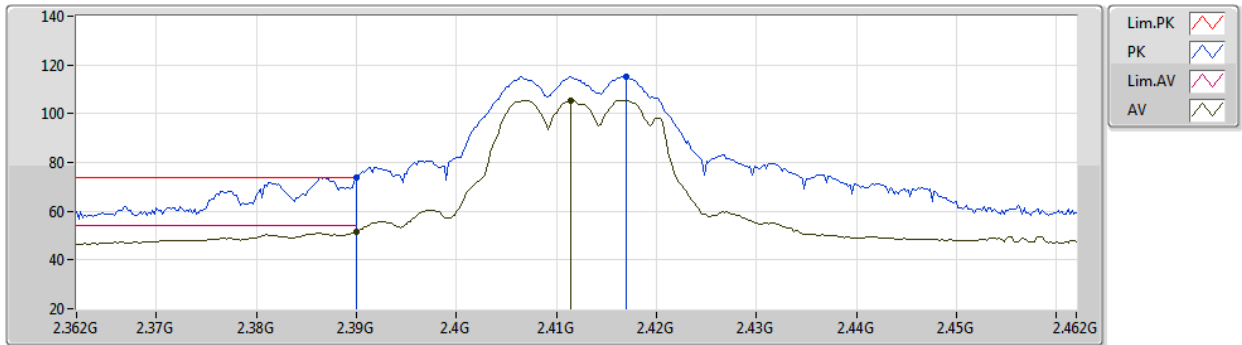
EUT Y_2TX
Setting 80
04-D-N-2

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	4.92404G	51.66	74.00	-22.34	46.70	3	Horizontal	344	1.53	-	32.95	4.88	32.87
AV	4.92404G	45.13	54.00	-8.87	40.17	3	Horizontal	344	1.53	-	32.95	4.88	32.87
PK	7.38752G	56.63	74.00	-17.37	46.53	3	Horizontal	162	2.16	-	37.59	5.91	33.40
AV	7.38528G	47.78	54.00	-6.22	37.68	3	Horizontal	162	2.16	-	37.59	5.91	33.40
PK	12.30856G	56.42	74.00	-17.58	43.53	3	Horizontal	323	1.76	-	39.15	8.02	34.28
AV	12.31184G	42.55	54.00	-11.45	29.66	3	Horizontal	323	1.76	-	39.15	8.02	34.28

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2412MHz_TX



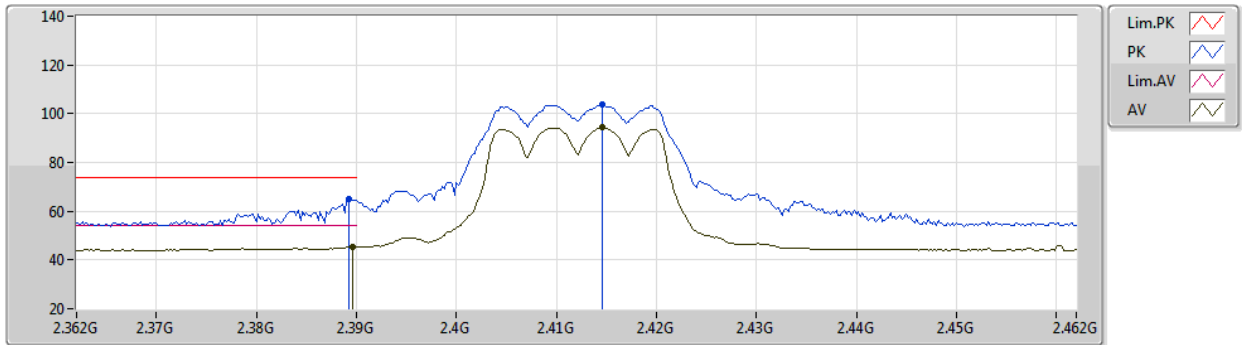
EUT Y_2TX
Setting 64
04-D-N-2

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	73.84	74.00	-0.16	43.04	3	Vertical	13	2.11	-	27.51	3.29	-
AV	2.39G	51.79	54.00	-2.21	20.99	3	Vertical	13	2.11	-	27.51	3.29	-
PK	2.417G	115.32	Inf	-Inf	84.44	3	Vertical	13	2.11	-	27.57	3.31	-
AV	2.4114G	105.51	Inf	-Inf	74.65	3	Vertical	13	2.11	-	27.55	3.31	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2412MHz_TX



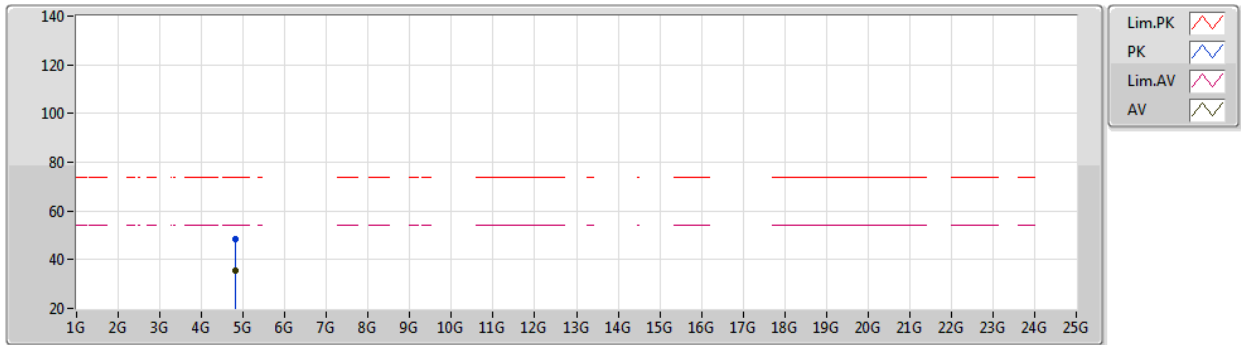
EUT Y_2TX
Setting 64
04-D-N-2

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	2.3892G	64.85	74.00	-9.15	34.05	3	Horizontal	335	2.21	-	27.51	3.29	-
AV	2.3896G	45.39	54.00	-8.61	14.59	3	Horizontal	335	2.21	-	27.51	3.29	-
PK	2.4146G	103.70	Inf	-Inf	72.83	3	Horizontal	335	2.21	-	27.56	3.31	-
AV	2.4146G	94.34	Inf	-Inf	63.47	3	Horizontal	335	2.21	-	27.56	3.31	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2412MHz_TX



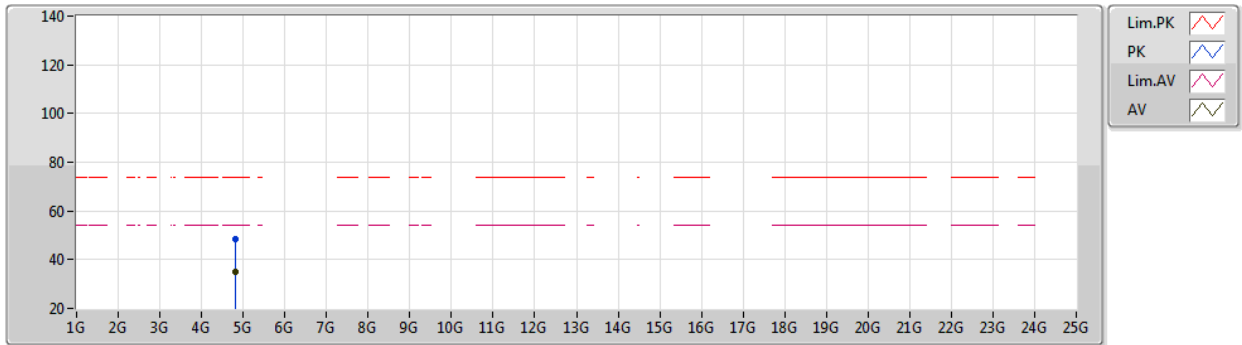
EUT Y_2TX
Setting 64
04-D-N-2

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	4.82526G	48.29	74.00	-25.71	43.74	3	Vertical	304	1.67	-	32.60	4.83	32.88
AV	4.82456G	35.36	54.00	-18.64	30.82	3	Vertical	304	1.67	-	32.60	4.82	32.88

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2412MHz_TX



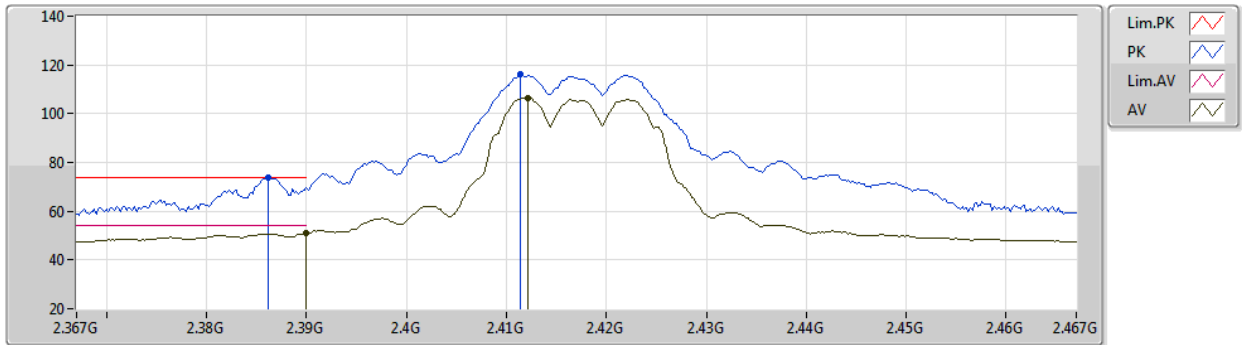
EUT Y_2TX
Setting 64
04-D-N-2

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	4.82442G	48.56	74.00	-25.44	44.02	3	Horizontal	347	1.62	-	32.60	4.82	32.88
AV	4.82462G	35.16	54.00	-18.84	30.62	3	Horizontal	347	1.62	-	32.60	4.82	32.88

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2417MHz_TX



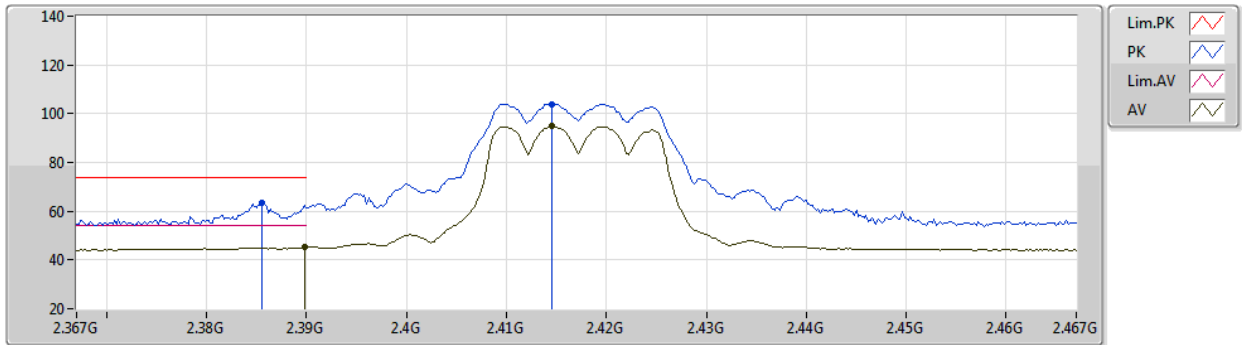
EUT Y_2TX
Setting 66
04-D-N-2

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	2.3862G	73.95	74.00	-0.05	43.15	3	Vertical	9	2.10	-	27.51	3.29	-
AV	2.39G	51.04	54.00	-2.96	20.24	3	Vertical	9	2.10	-	27.51	3.29	-
PK	2.4114G	115.98	Inf	-Inf	85.12	3	Vertical	9	2.10	-	27.55	3.31	-
AV	2.4122G	106.55	Inf	-Inf	75.69	3	Vertical	9	2.10	-	27.55	3.31	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2417MHz_TX



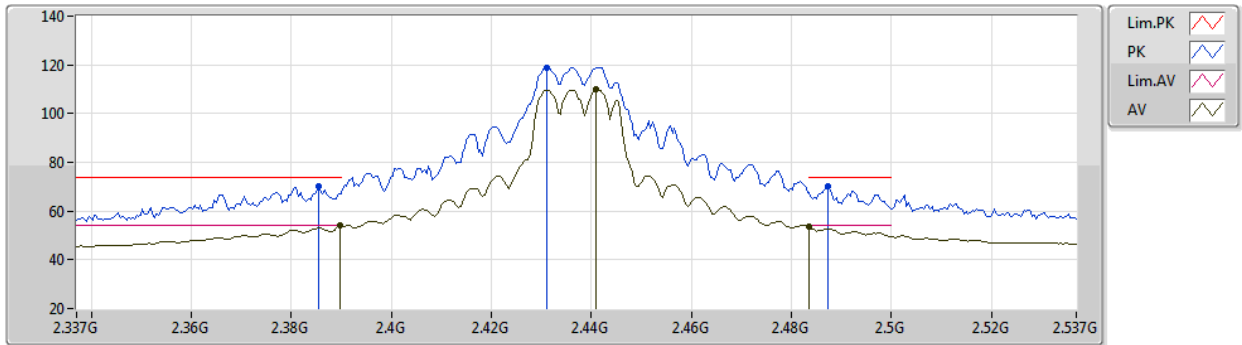
EUT Y_2TX
Setting 66
04-D-N-2

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	63.38	74.00	-10.62	32.58	3	Horizontal	335	2.23	-	27.51	3.29	-
AV	2.3898G	45.20	54.00	-8.80	14.40	3	Horizontal	335	2.23	-	27.51	3.29	-
PK	2.4146G	104.02	Inf	-Inf	73.15	3	Horizontal	335	2.23	-	27.56	3.31	-
AV	2.4146G	94.76	Inf	-Inf	63.89	3	Horizontal	335	2.23	-	27.56	3.31	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2437MHz_TX



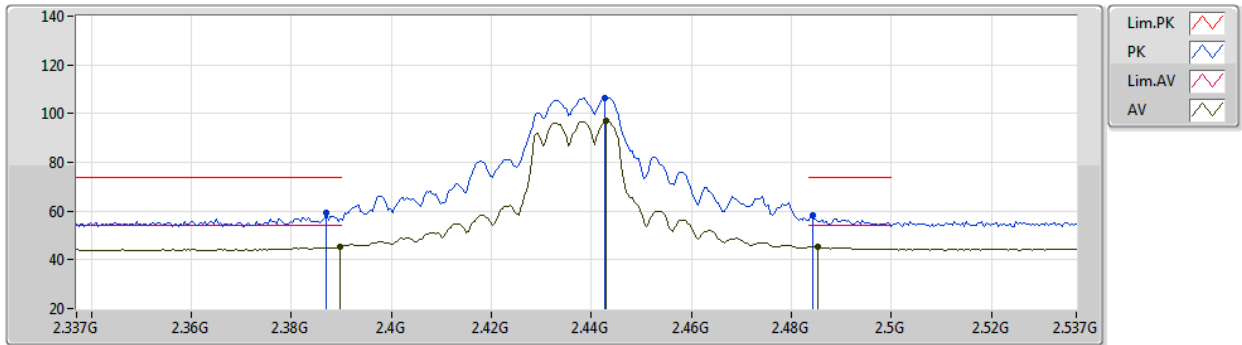
EUT Y_2TX
Setting 80
04-D-N-2

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	2.3854G	69.92	74.00	-4.08	39.12	3	Vertical	348	1.87	-	27.51	3.29	-
AV	2.3898G	53.88	54.00	-0.12	23.08	3	Vertical	348	1.87	-	27.51	3.29	-
PK	2.431G	119.03	Inf	-Inf	88.09	3	Vertical	348	1.87	-	27.62	3.32	-
AV	2.441G	110.13	Inf	-Inf	79.15	3	Vertical	348	1.87	-	27.66	3.32	-
PK	2.4874G	70.08	74.00	-3.92	38.89	3	Vertical	348	1.87	-	27.85	3.34	-
AV	2.4835G	53.43	54.00	-0.57	22.26	3	Vertical	348	1.87	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2437MHz_TX



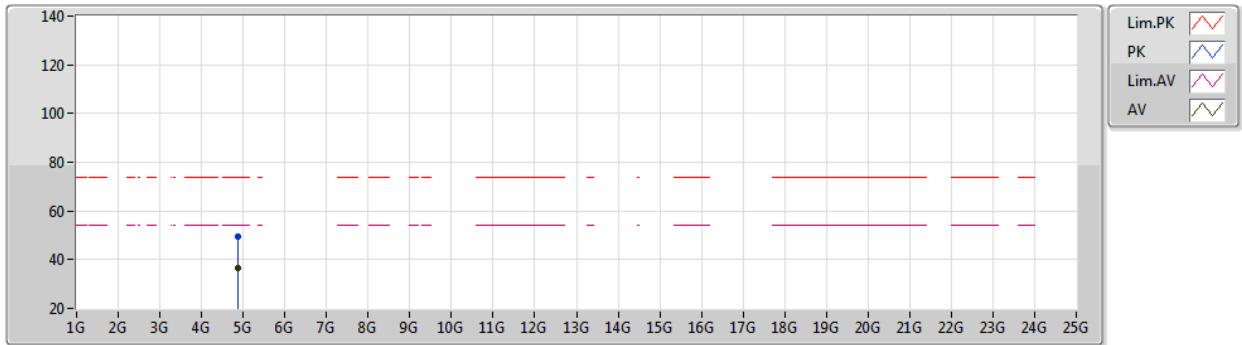
EUT Y_2TX
Setting 80
04-D-N-2

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	2.387G	59.09	74.00	-14.91	28.29	3	Horizontal	319	1.80	-	27.51	3.29	-
AV	2.3898G	45.15	54.00	-8.85	14.35	3	Horizontal	319	1.80	-	27.51	3.29	-
PK	2.4426G	106.56	Inf	-Inf	75.57	3	Horizontal	319	1.80	-	27.67	3.32	-
AV	2.443G	96.87	Inf	-Inf	65.88	3	Horizontal	319	1.80	-	27.67	3.32	-
PK	2.4842G	58.21	74.00	-15.79	27.03	3	Horizontal	319	1.80	-	27.84	3.34	-
AV	2.4854G	45.17	54.00	-8.83	13.99	3	Horizontal	319	1.80	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2437MHz_TX



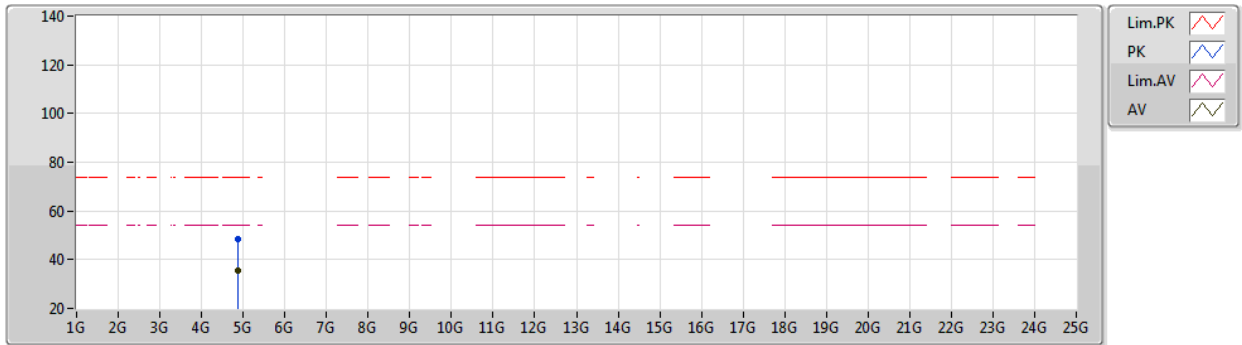
EUT Y_2TX
Setting 80
04-D-N-2

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	4.87328G	49.69	74.00	-24.31	44.92	3	Vertical	90	2.28	-	32.79	4.85	32.87
AV	4.8733G	36.79	54.00	-17.21	32.02	3	Vertical	90	2.28	-	32.79	4.85	32.87

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2437MHz_TX



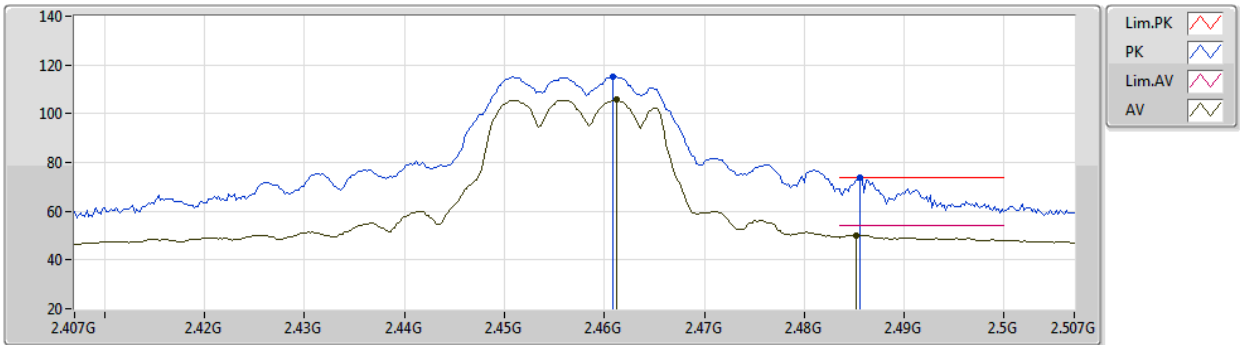
EUT Y_2TX
Setting 80
04-D-N-2

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	4.87422G	48.43	74.00	-25.57	43.65	3	Horizontal	297	2.15	-	32.80	4.85	32.87
AV	4.8764G	35.73	54.00	-18.27	30.93	3	Horizontal	297	2.15	-	32.81	4.86	32.87

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2457MHz_TX



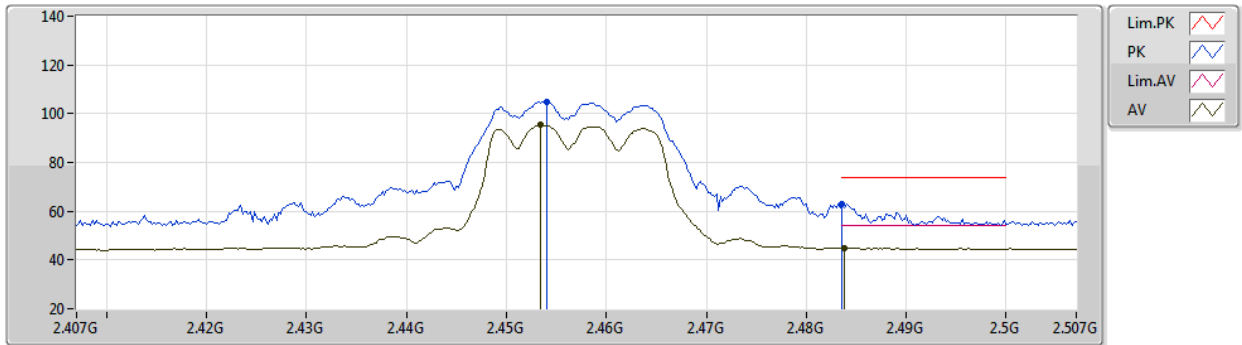
EUT Y_2TX
Setting 62
04-D-N-2

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	2.4608G	115.30	Inf	-Inf	84.23	3	Vertical	6	1.15	-	27.74	3.33	-
AV	2.4612G	105.83	Inf	-Inf	74.76	3	Vertical	6	1.15	-	27.74	3.33	-
PK	2.4856G	73.88	74.00	-0.12	42.70	3	Vertical	6	1.15	-	27.84	3.34	-
AV	2.4852G	50.09	54.00	-3.91	18.91	3	Vertical	6	1.15	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2457MHz_TX



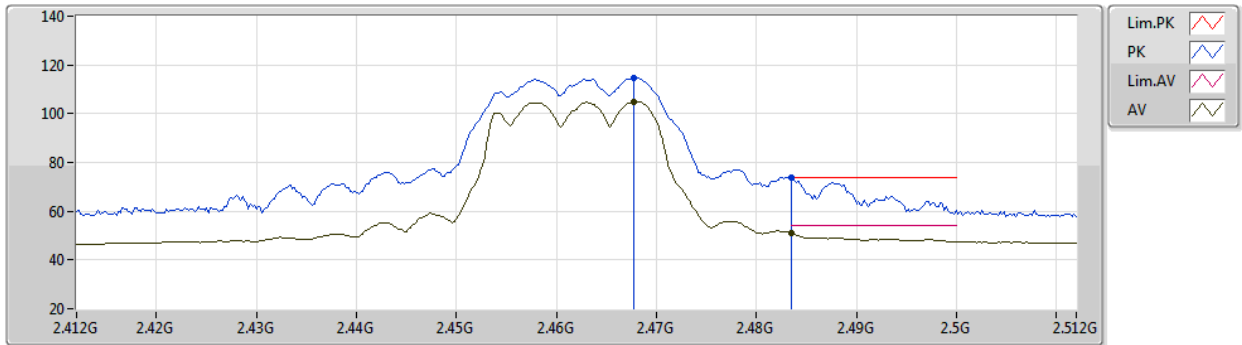
EUT Y_2TX
Setting 62
04-D-N-2

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	2.454G	104.86	Inf	-Inf	73.81	3	Horizontal	39	2.78	-	27.72	3.33	-
AV	2.4534G	95.27	Inf	-Inf	64.23	3	Horizontal	39	2.78	-	27.71	3.33	-
PK	2.4836G	62.90	74.00	-11.10	31.73	3	Horizontal	39	2.78	-	27.83	3.34	-
AV	2.4838G	44.96	54.00	-9.04	13.78	3	Horizontal	39	2.78	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2462MHz_TX



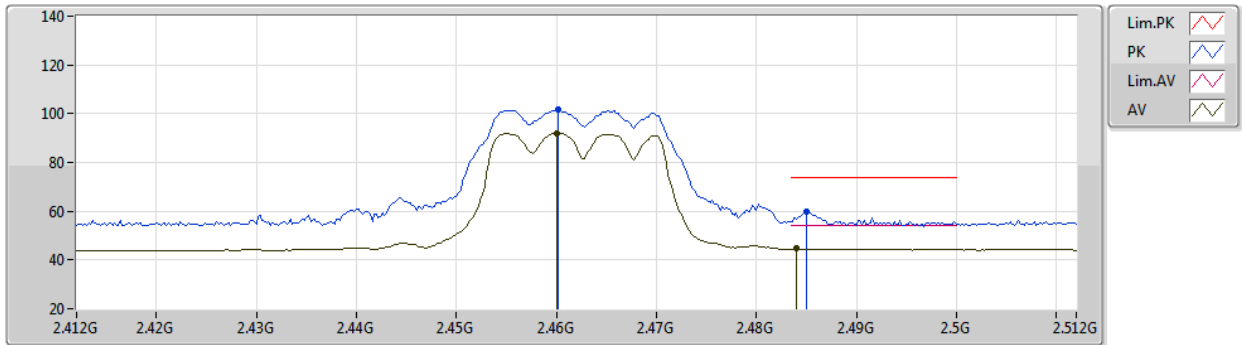
EUT Y_2TX
Setting 58
04-D-N-2

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	2.4678G	114.64	Inf	-Inf	83.54	3	Vertical	7	1.71	-	27.77	3.33	-
AV	2.4678G	105.08	Inf	-Inf	73.98	3	Vertical	7	1.71	-	27.77	3.33	-
PK	2.4835G	73.85	74.00	-0.15	42.68	3	Vertical	7	1.71	-	27.83	3.34	-
AV	2.4835G	51.04	54.00	-2.96	19.87	3	Vertical	7	1.71	-	27.83	3.34	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2462MHz_TX



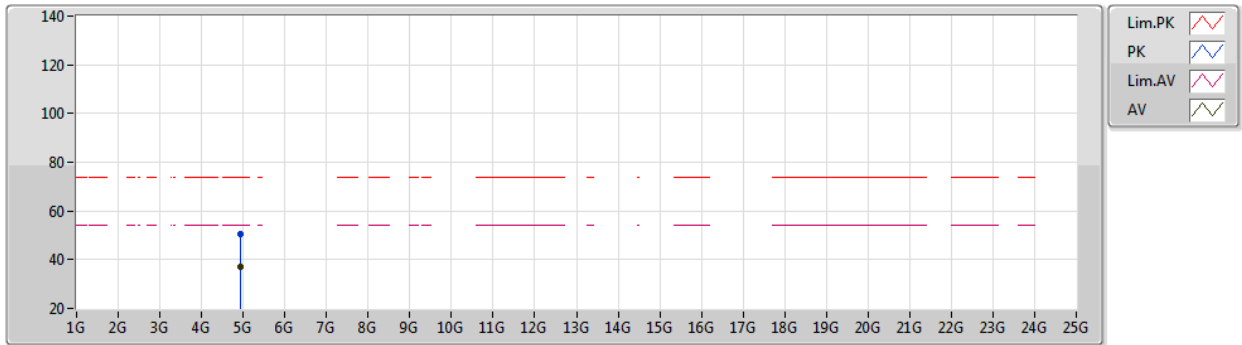
EUT Y_2TX
Setting 58
04-D-N-2

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	101.55	Inf	-Inf	70.48	3	Horizontal	327	2.63	-	27.74	3.33	-
AV	2.46G	92.07	Inf	-Inf	61.00	3	Horizontal	327	2.63	-	27.74	3.33	-
PK	2.485G	59.60	74.00	-14.40	28.42	3	Horizontal	327	2.63	-	27.84	3.34	-
AV	2.484G	44.67	54.00	-9.33	13.49	3	Horizontal	327	2.63	-	27.84	3.34	-

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2462MHz_TX



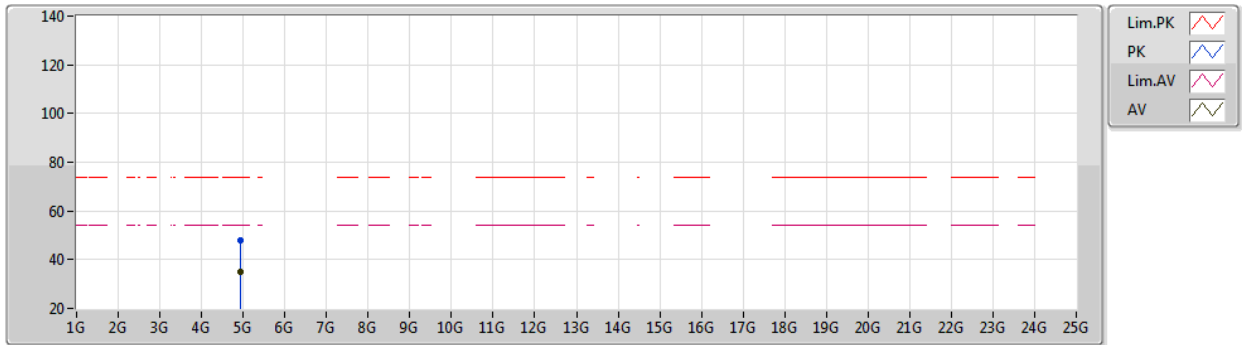
EUT Y_2TX
Setting 58
04-D-N-2

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	4.92204G	50.47	74.00	-23.53	45.52	3	Vertical	15	1.80	-	32.94	4.88	32.87
AV	4.92316G	37.25	54.00	-16.75	32.29	3	Vertical	15	1.80	-	32.95	4.88	32.87

802.11g_Nss1,(6Mbps)_2TX

28/09/2020

2462MHz_TX



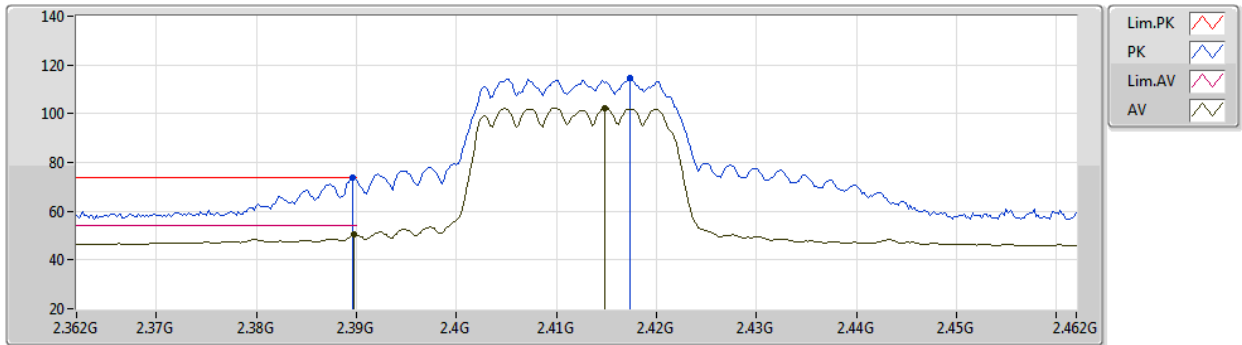
EUT Y_2TX
Setting 58
04-D-N-2

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	4.92372G	47.86	74.00	-26.14	42.90	3	Horizontal	43	1.78	-	32.95	4.88	32.87
AV	4.92548G	34.96	54.00	-19.04	29.98	3	Horizontal	43	1.78	-	32.95	4.89	32.86

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



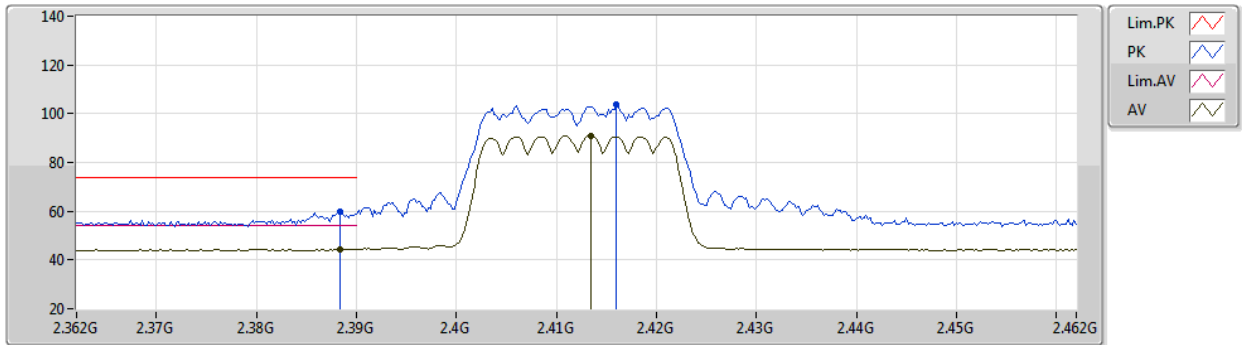
EUT Y_2TX
Setting 52
04-D-N-2

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	73.57	74.00	-0.43	42.77	3	Vertical	0	1.96	-	27.51	3.29	-
AV	2.3898G	50.26	54.00	-3.74	19.46	3	Vertical	0	1.96	-	27.51	3.29	-
PK	2.4174G	114.48	Inf	-Inf	83.60	3	Vertical	0	1.96	-	27.57	3.31	-
AV	2.4148G	102.40	Inf	-Inf	71.53	3	Vertical	0	1.96	-	27.56	3.31	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



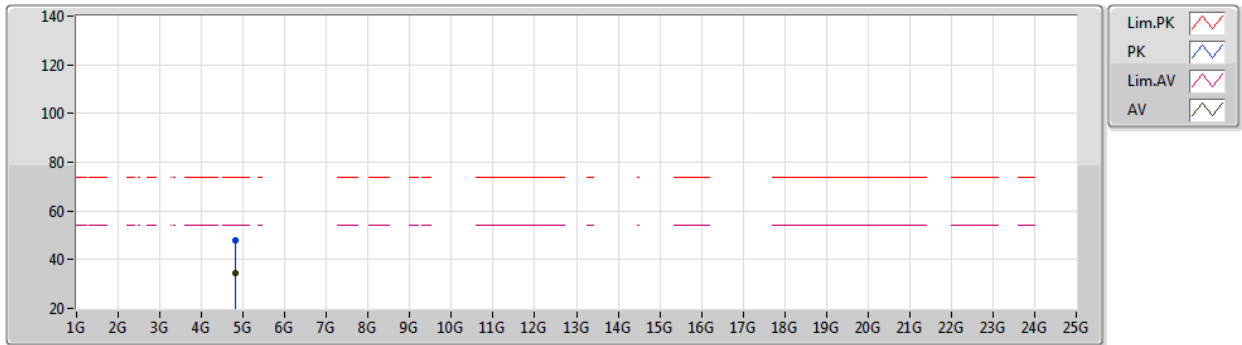
EUT Y_2TX
Setting 52
04-D-N-2

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	59.81	74.00	-14.19	29.01	3	Horizontal	332	2.21	-	27.51	3.29	-
AV	2.3884G	44.35	54.00	-9.65	13.55	3	Horizontal	332	2.21	-	27.51	3.29	-
PK	2.416G	103.69	Inf	-Inf	72.82	3	Horizontal	332	2.21	-	27.56	3.31	-
AV	2.4134G	90.88	Inf	-Inf	60.02	3	Horizontal	332	2.21	-	27.55	3.31	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



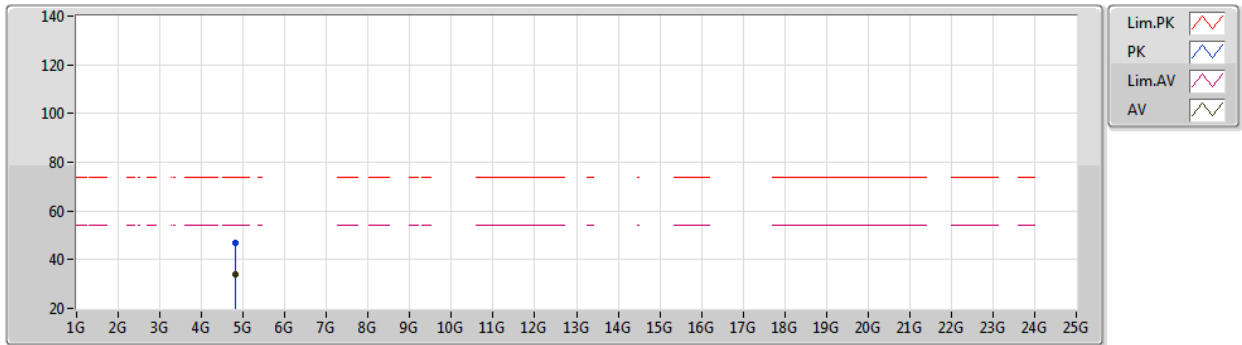
EUT Y_2TX
Setting 52
04-D-N-2

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	4.823G	47.76	74.00	-26.24	43.23	3	Vertical	360	1.96	-	32.59	4.82	32.88
AV	4.82638G	34.37	54.00	-19.63	29.81	3	Vertical	360	1.96	-	32.61	4.83	32.88

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



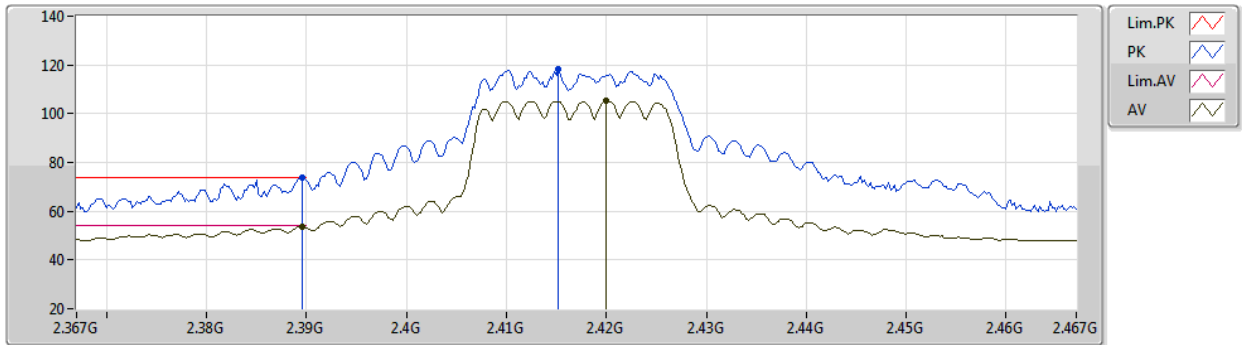
EUT Y_2TX
Setting 52
04-D-N-2

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	4.8237G	46.74	74.00	-27.26	42.21	3	Horizontal	280	2.17	-	32.59	4.82	32.88
AV	4.82402G	33.84	54.00	-20.16	29.30	3	Horizontal	280	2.17	-	32.60	4.82	32.88

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2417MHz_TX



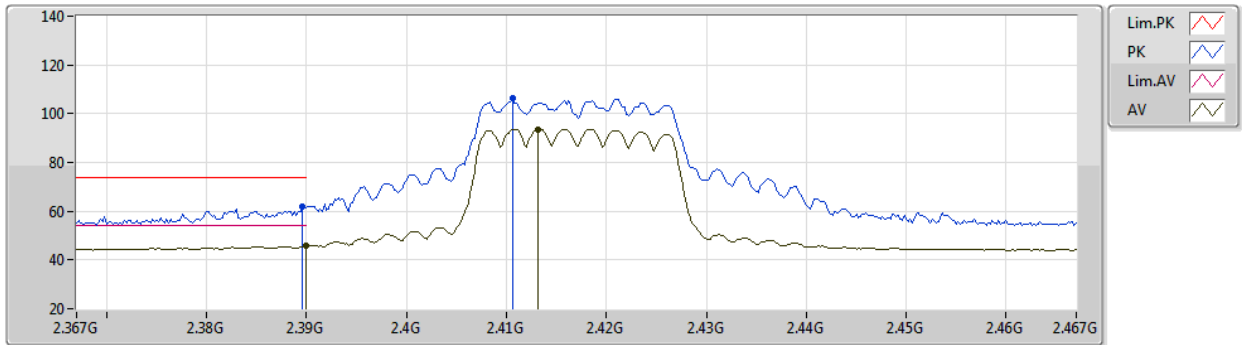
EUT Y_2TX
Setting 65
04-D-N-2

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	73.71	74.00	-0.29	42.91	3	Vertical	0	1.67	-	27.51	3.29	-
AV	2.3896G	53.83	54.00	-0.17	23.03	3	Vertical	0	1.67	-	27.51	3.29	-
PK	2.4152G	118.34	Inf	-Inf	87.47	3	Vertical	0	1.67	-	27.56	3.31	-
AV	2.42G	105.38	Inf	-Inf	74.49	3	Vertical	0	1.67	-	27.58	3.31	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2417MHz_TX



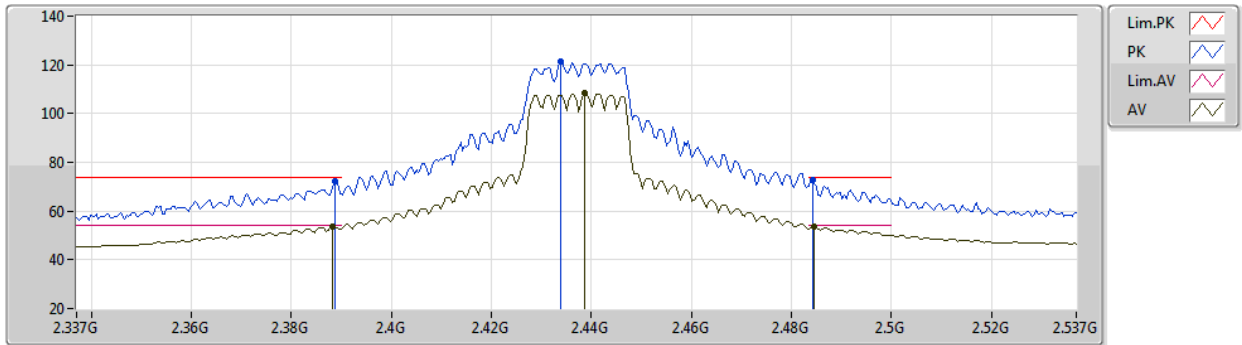
EUT Y_2TX
Setting 65
04-D-N-2

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	62.01	74.00	-11.99	31.21	3	Horizontal	336	2.21	-	27.51	3.29	-
AV	2.39G	45.80	54.00	-8.20	15.00	3	Horizontal	336	2.21	-	27.51	3.29	-
PK	2.4106G	106.39	Inf	-Inf	75.54	3	Horizontal	336	2.21	-	27.54	3.31	-
AV	2.4132G	93.63	Inf	-Inf	62.77	3	Horizontal	336	2.21	-	27.55	3.31	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



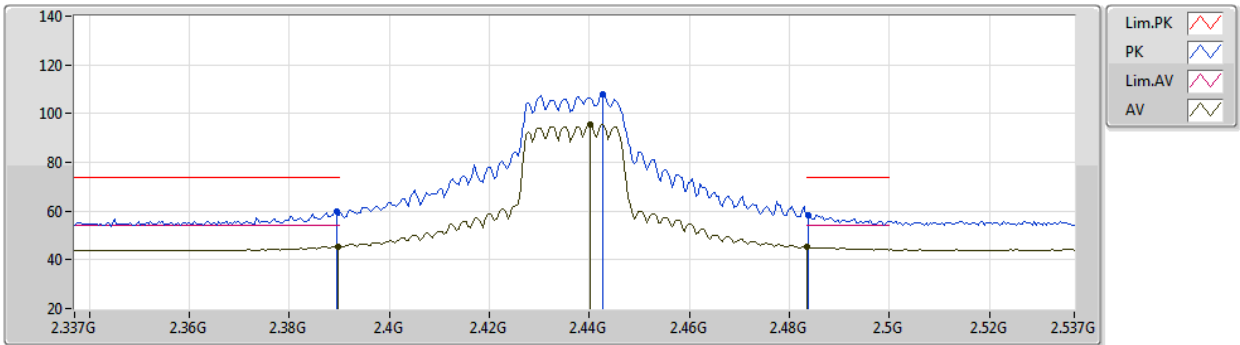
EUT Y_2TX
Setting 78
04-D-N-2

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	72.42	74.00	-1.58	41.62	3	Vertical	360	1.80	-	27.51	3.29	-
AV	2.3882G	53.52	54.00	-0.48	22.72	3	Vertical	360	1.80	-	27.51	3.29	-
PK	2.4338G	121.35	Inf	-Inf	90.39	3	Vertical	360	1.80	-	27.64	3.32	-
AV	2.4386G	108.27	Inf	-Inf	77.30	3	Vertical	360	1.80	-	27.65	3.32	-
PK	2.4842G	72.54	74.00	-1.46	41.36	3	Vertical	360	1.80	-	27.84	3.34	-
AV	2.4846G	53.76	54.00	-0.24	22.58	3	Vertical	360	1.80	-	27.84	3.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



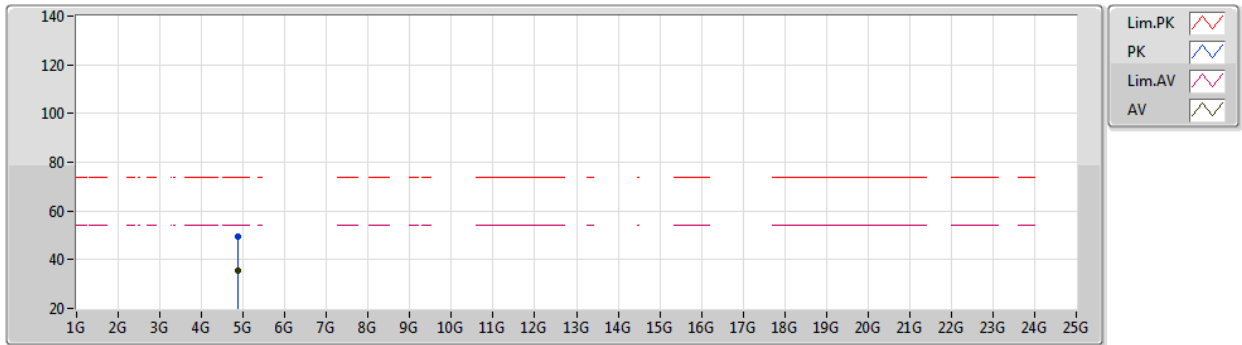
EUT Y_2TX
Setting 78
04-D-N-2

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	59.81	74.00	-14.19	29.01	3	Horizontal	319	1.80	-	27.51	3.29	-
AV	2.3898G	45.58	54.00	-8.42	14.78	3	Horizontal	319	1.80	-	27.51	3.29	-
PK	2.4426G	108.13	Inf	-Inf	77.14	3	Horizontal	319	1.80	-	27.67	3.32	-
AV	2.4402G	95.66	Inf	-Inf	64.68	3	Horizontal	319	1.80	-	27.66	3.32	-
PK	2.4838G	58.39	74.00	-15.61	27.21	3	Horizontal	319	1.80	-	27.84	3.34	-
AV	2.4835G	45.29	54.00	-8.71	14.12	3	Horizontal	319	1.80	-	27.83	3.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



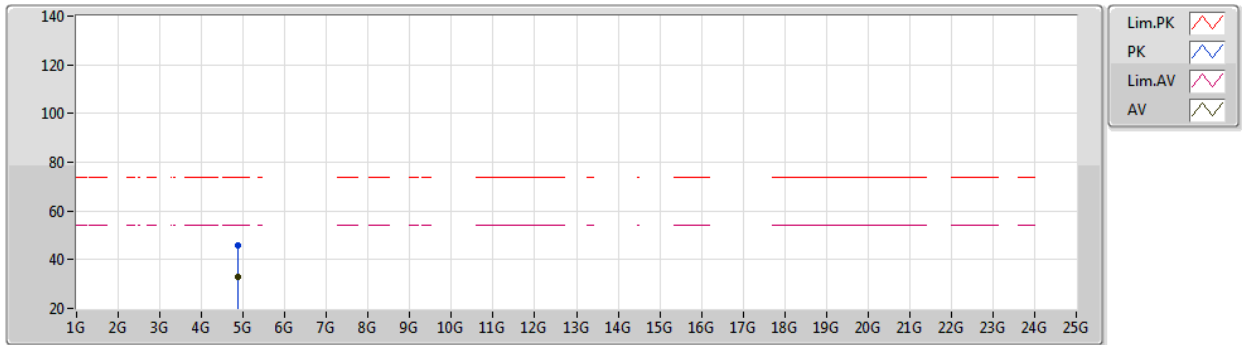
EUT Y_2TX
Setting 78
04-D-N-2

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	4.87664G	49.24	74.00	-24.76	44.44	3	Vertical	20	2.02	-	32.81	4.86	32.87
AV	4.87412G	35.58	54.00	-18.42	30.80	3	Vertical	20	2.02	-	32.80	4.85	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



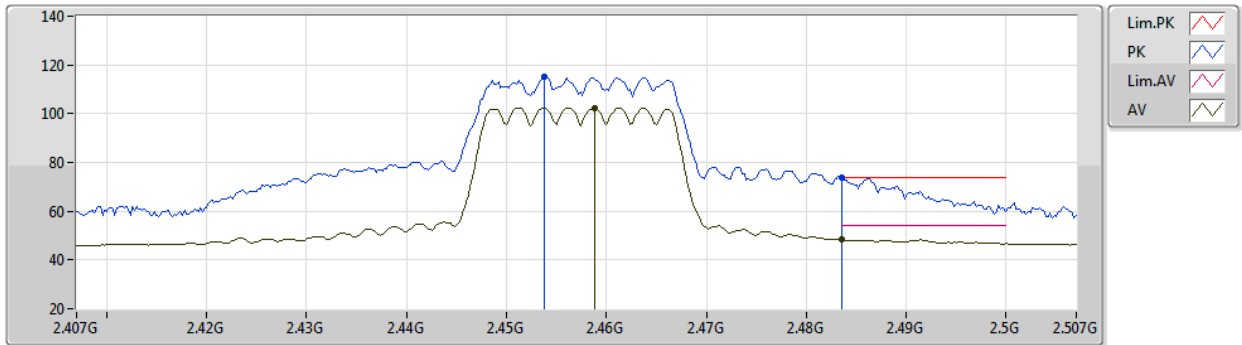
EUT Y_2TX
Setting 78
04-D-N-2

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	4.87904G	45.93	74.00	-28.07	41.12	3	Horizontal	143	1.19	-	32.82	4.86	32.87
AV	4.88204G	32.83	54.00	-21.17	28.01	3	Horizontal	143	1.19	-	32.83	4.86	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2457MHz_TX



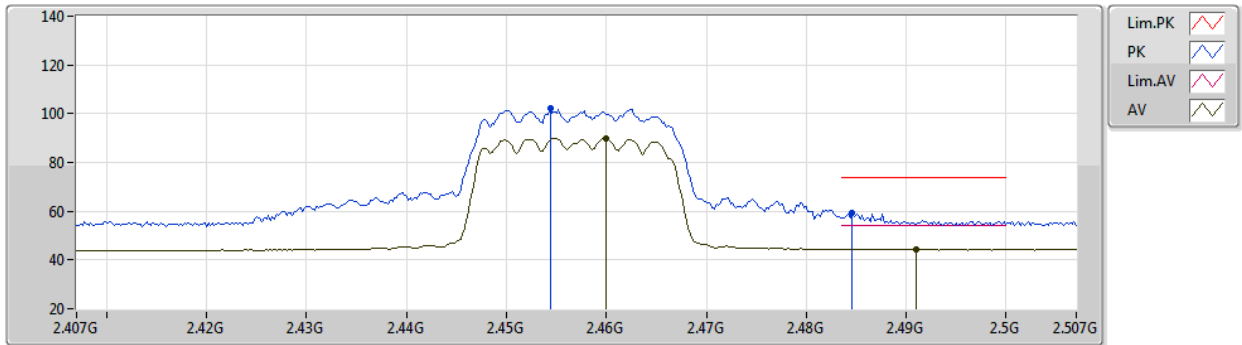
EUT Y_2TX
Setting 51
04-D-N-2

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	2.4538G	115.30	Inf	-Inf	84.25	3	Vertical	360	2.05	-	27.72	3.33	-
AV	2.4588G	102.49	Inf	-Inf	71.42	3	Vertical	360	2.05	-	27.74	3.33	-
PK	2.4835G	73.93	74.00	-0.07	42.76	3	Vertical	360	2.05	-	27.83	3.34	-
AV	2.4836G	48.51	54.00	-5.49	17.34	3	Vertical	360	2.05	-	27.83	3.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2457MHz_TX



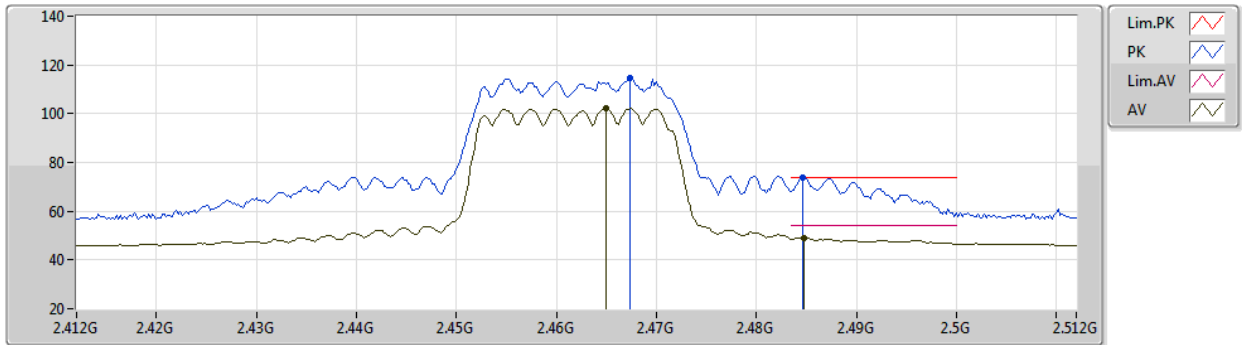
EUT Y_2TX
Setting 51
04-D-N-2

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	2.4544G	102.09	Inf	-Inf	71.04	3	Horizontal	317	2.61	-	27.72	3.33	-
AV	2.46G	90.06	Inf	-Inf	58.99	3	Horizontal	317	2.61	-	27.74	3.33	-
PK	2.4846G	59.24	74.00	-14.76	28.06	3	Horizontal	317	2.61	-	27.84	3.34	-
AV	2.491G	44.38	54.00	-9.62	13.17	3	Horizontal	317	2.61	-	27.86	3.35	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



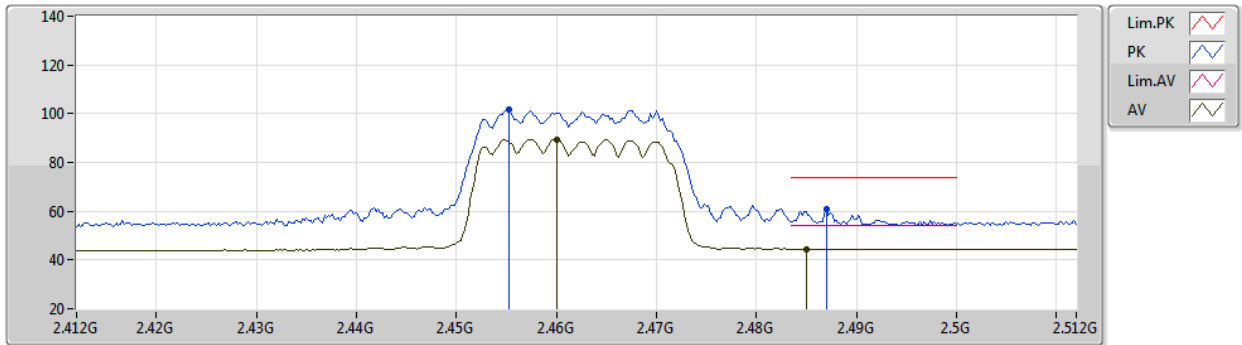
EUT Y_2TX
Setting 47
04-D-N-2

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	2.4674G	114.64	Inf	-Inf	83.54	3	Vertical	10	1.73	-	27.77	3.33	-
AV	2.465G	102.29	Inf	-Inf	71.20	3	Vertical	10	1.73	-	27.76	3.33	-
PK	2.4846G	73.98	74.00	-0.02	42.80	3	Vertical	10	1.73	-	27.84	3.34	-
AV	2.4848G	49.21	54.00	-4.79	18.03	3	Vertical	10	1.73	-	27.84	3.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



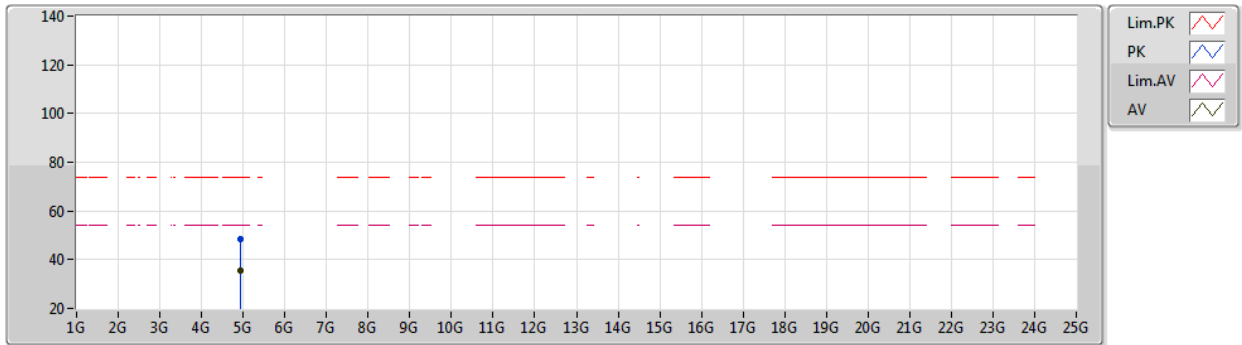
EUT Y_2TX
Setting 47
04-D-N-2

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	2.4552G	101.59	Inf	-Inf	70.54	3	Horizontal	326	2.62	-	27.72	3.33	-
AV	2.46G	89.44	Inf	-Inf	58.37	3	Horizontal	326	2.62	-	27.74	3.33	-
PK	2.487G	61.05	74.00	-12.95	29.86	3	Horizontal	326	2.62	-	27.85	3.34	-
AV	2.485G	44.55	54.00	-9.45	13.37	3	Horizontal	326	2.62	-	27.84	3.34	-

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



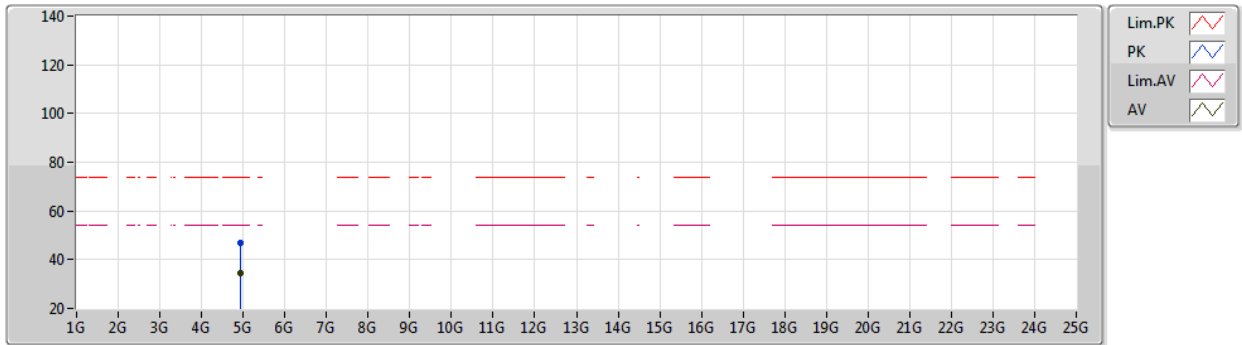
EUT Y_2TX
Setting 47
04-D-N-2

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	4.92624G	48.60	74.00	-25.40	43.62	3	Vertical	7	1.96	-	32.95	4.89	32.86
AV	4.92388G	35.71	54.00	-18.29	30.75	3	Vertical	7	1.96	-	32.95	4.88	32.87

802.11ax HEW20_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



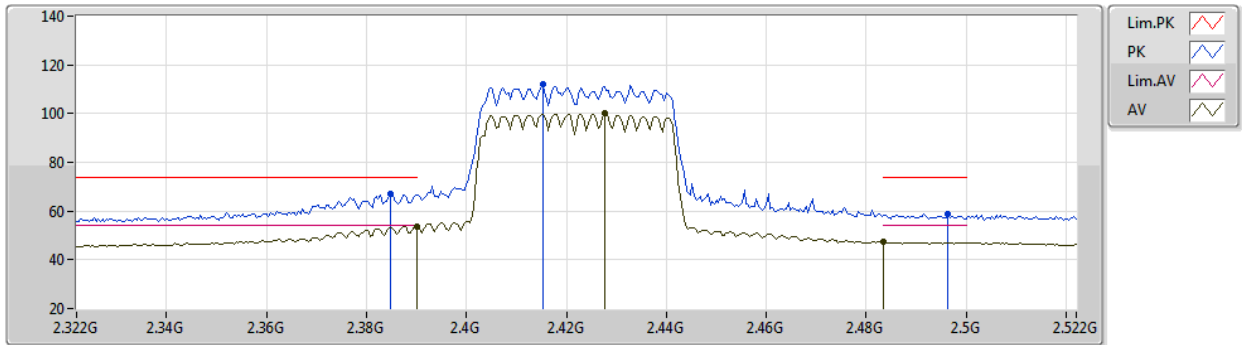
EUT Y_2TX
Setting 47
04-D-N-2

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	4.92812G	46.89	74.00	-27.11	41.90	3	Horizontal	192	2.08	-	32.96	4.89	32.86
AV	4.92228G	34.28	54.00	-19.72	29.33	3	Horizontal	192	2.08	-	32.94	4.88	32.87

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2422MHz_TX



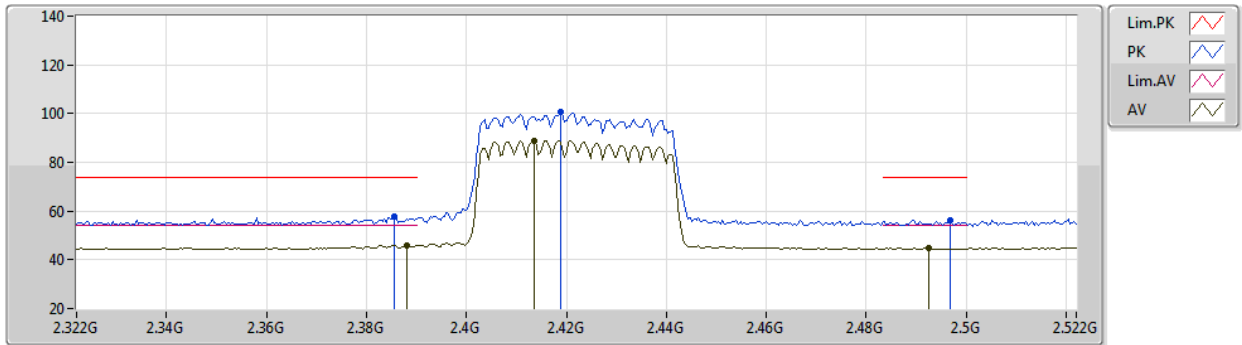
EUT Y_2TX
Setting 54
04-D-N-2

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	2.3848G	67.21	74.00	-6.79	36.41	3	Vertical	0	1.38	-	27.52	3.28	-
AV	2.39G	53.85	54.00	-0.15	23.05	3	Vertical	0	1.38	-	27.51	3.29	-
PK	2.4152G	112.02	Inf	-Inf	81.15	3	Vertical	0	1.38	-	27.56	3.31	-
AV	2.4276G	99.94	Inf	-Inf	69.02	3	Vertical	0	1.38	-	27.61	3.31	-
PK	2.4964G	58.65	74.00	-15.35	27.41	3	Vertical	0	1.38	-	27.89	3.35	-
AV	2.4835G	47.57	54.00	-6.43	16.40	3	Vertical	0	1.38	-	27.83	3.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2422MHz_TX



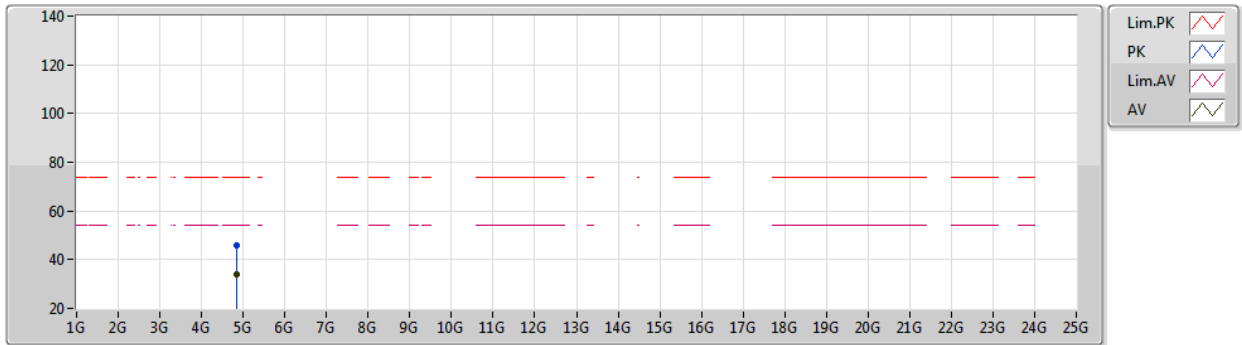
EUT Y_2TX
Setting 54
04-D-N-2

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	57.77	74.00	-16.23	26.97	3	Horizontal	333	2.22	-	27.51	3.29	-
AV	2.388G	45.90	54.00	-8.10	15.10	3	Horizontal	333	2.22	-	27.51	3.29	-
PK	2.4188G	100.60	Inf	-Inf	69.71	3	Horizontal	333	2.22	-	27.58	3.31	-
AV	2.4136G	88.99	Inf	-Inf	58.13	3	Horizontal	333	2.22	-	27.55	3.31	-
PK	2.4968G	56.12	74.00	-17.88	24.88	3	Horizontal	333	2.22	-	27.89	3.35	-
AV	2.4924G	44.86	54.00	-9.14	13.64	3	Horizontal	333	2.22	-	27.87	3.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2422MHz_TX



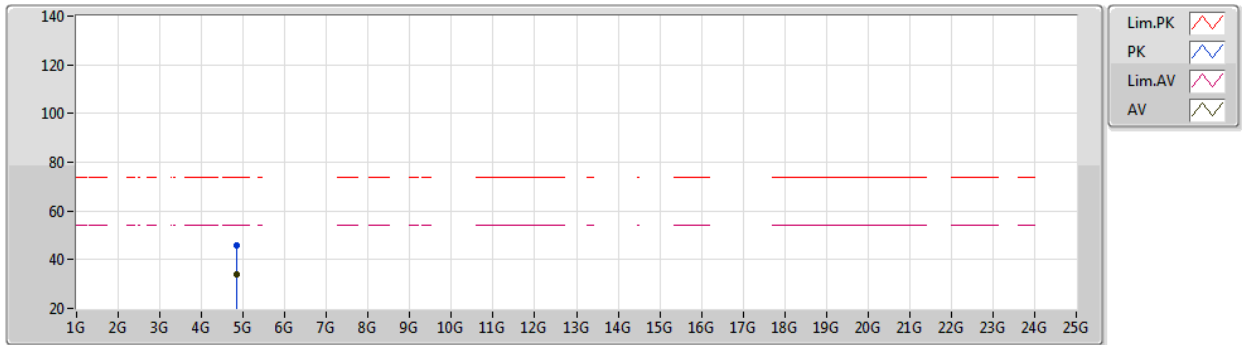
EUT Y_2TX
Setting 54
04-D-N-2

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	4.84032G	45.83	74.00	-28.17	41.22	3	Vertical	339	1.38	-	32.66	4.83	32.88
AV	4.83988G	34.22	54.00	-19.78	29.61	3	Vertical	339	1.38	-	32.66	4.83	32.88

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2422MHz_TX



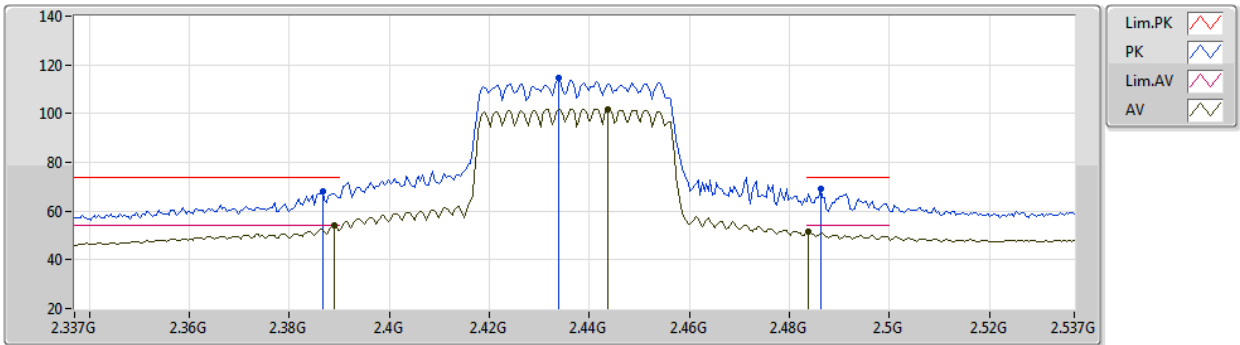
EUT Y_2TX
Setting 54
04-D-N-2

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	4.84368G	45.96	74.00	-28.04	41.33	3	Horizontal	97	1.47	-	32.67	4.84	32.88
AV	4.83996G	33.87	54.00	-20.13	29.26	3	Horizontal	97	1.47	-	32.66	4.83	32.88

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



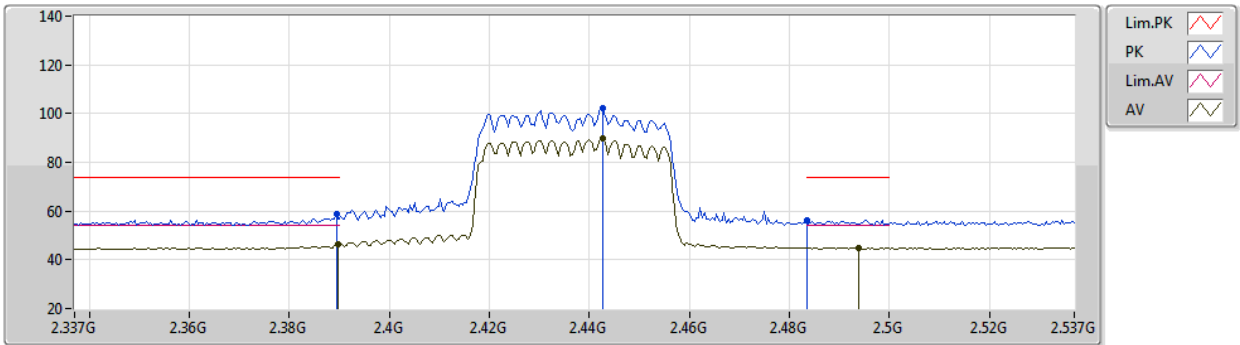
EUT Y_2TX
Setting 60
04-D-N-2

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	2.3866G	68.18	74.00	-5.82	37.38	3	Vertical	360	1.80	-	27.51	3.29	-
AV	2.389G	53.88	54.00	-0.12	23.08	3	Vertical	360	1.80	-	27.51	3.29	-
PK	2.4338G	114.64	Inf	-Inf	83.68	3	Vertical	360	1.80	-	27.64	3.32	-
AV	2.4438G	101.88	Inf	-Inf	70.88	3	Vertical	360	1.80	-	27.68	3.32	-
PK	2.4862G	69.16	74.00	-4.84	37.98	3	Vertical	360	1.80	-	27.84	3.34	-
AV	2.4838G	51.74	54.00	-2.26	20.56	3	Vertical	360	1.80	-	27.84	3.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



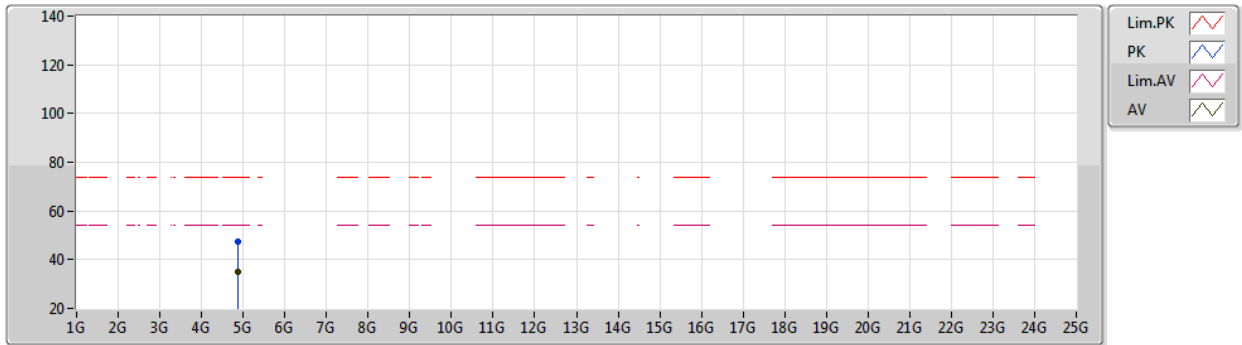
EUT Y_2TX
Setting 60
04-D-N-2

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	58.93	74.00	-15.07	28.13	3	Horizontal	322	1.80	-	27.51	3.29	-
AV	2.3898G	46.16	54.00	-7.84	15.36	3	Horizontal	322	1.80	-	27.51	3.29	-
PK	2.4426G	102.07	Inf	-Inf	71.08	3	Horizontal	322	1.80	-	27.67	3.32	-
AV	2.4426G	89.58	Inf	-Inf	58.59	3	Horizontal	322	1.80	-	27.67	3.32	-
PK	2.4835G	56.20	74.00	-17.80	25.03	3	Horizontal	322	1.80	-	27.83	3.34	-
AV	2.4938G	45.03	54.00	-8.97	13.80	3	Horizontal	322	1.80	-	27.88	3.35	-

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



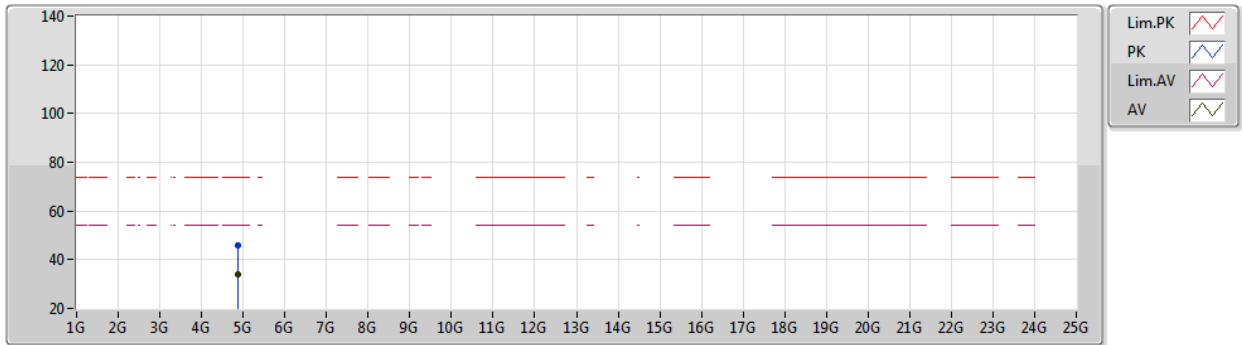
EUT Y_2TX
Setting 60
04-D-N-2

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	4.87268G	47.45	74.00	-26.55	42.68	3	Vertical	360	1.39	-	32.79	4.85	32.87
AV	4.87608G	35.24	54.00	-18.76	30.45	3	Vertical	360	1.39	-	32.80	4.86	32.87

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



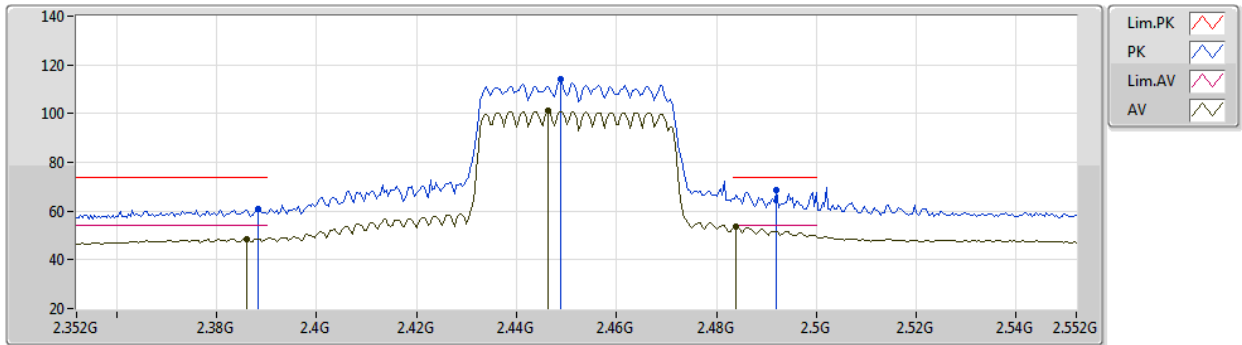
EUT Y_2TX
Setting 60
04-D-N-2

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	4.87528G	46.09	74.00	-27.91	41.30	3	Horizontal	167	2.87	-	32.80	4.86	32.87
AV	4.87424G	34.09	54.00	-19.91	29.31	3	Horizontal	167	2.87	-	32.80	4.85	32.87

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2452MHz_TX



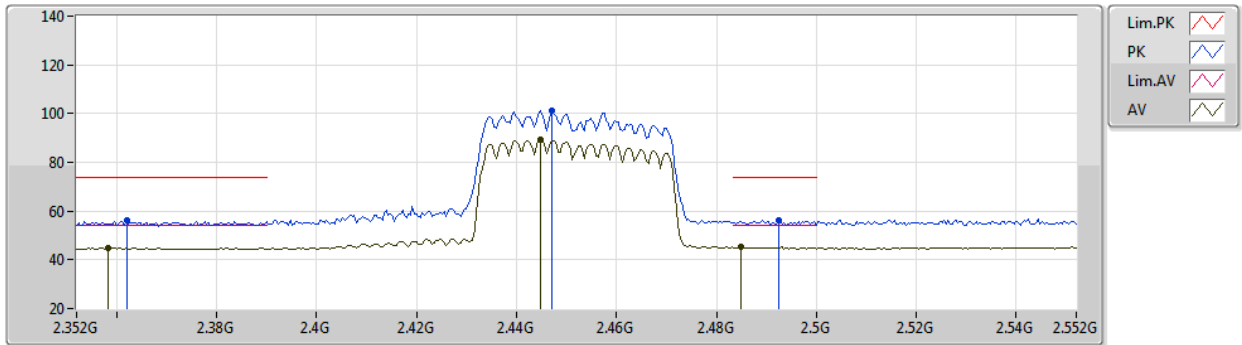
EUT Y_2TX
Setting 56
04-D-N-2

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	60.89	74.00	-13.11	30.09	3	Vertical	358	1.80	-	27.51	3.29	-
AV	2.386G	48.69	54.00	-5.31	17.89	3	Vertical	358	1.80	-	27.51	3.29	-
PK	2.4488G	113.95	Inf	-Inf	82.93	3	Vertical	358	1.80	-	27.70	3.32	-
AV	2.4464G	101.02	Inf	-Inf	70.01	3	Vertical	358	1.80	-	27.69	3.32	-
PK	2.492G	68.80	74.00	-5.20	37.58	3	Vertical	358	1.80	-	27.87	3.35	-
AV	2.484G	53.77	54.00	-0.23	22.59	3	Vertical	358	1.80	-	27.84	3.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2452MHz_TX



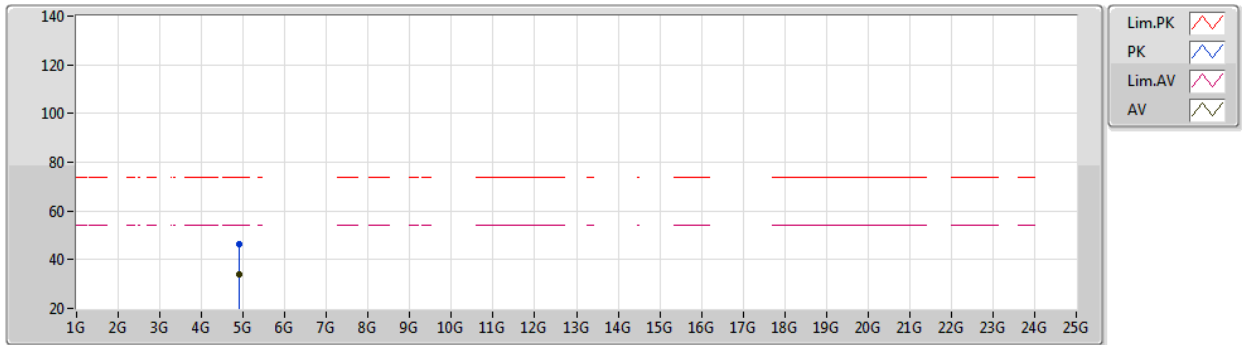
EUT Y_2TX
Setting 56
04-D-N-2

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	2.362G	56.13	74.00	-17.87	25.33	3	Horizontal	329	2.44	-	27.54	3.26	-
AV	2.3584G	44.80	54.00	-9.20	14.00	3	Horizontal	329	2.44	-	27.54	3.26	-
PK	2.4472G	101.27	Inf	-Inf	70.26	3	Horizontal	329	2.44	-	27.69	3.32	-
AV	2.4448G	89.23	Inf	-Inf	58.23	3	Horizontal	329	2.44	-	27.68	3.32	-
PK	2.4924G	56.15	74.00	-17.85	24.93	3	Horizontal	329	2.44	-	27.87	3.35	-
AV	2.4848G	45.17	54.00	-8.83	13.99	3	Horizontal	329	2.44	-	27.84	3.34	-

802.11ax HEW40_Nss1,(MCS0)_2TX

28/09/2020

2452MHz_TX



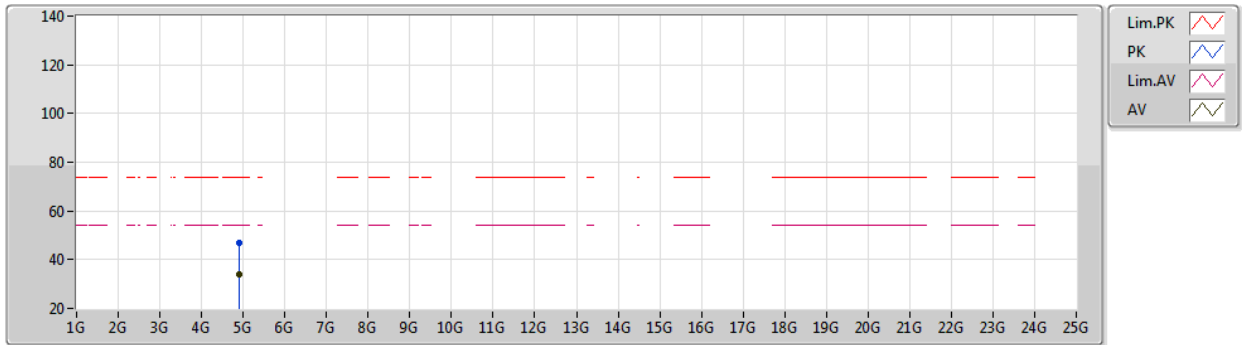
EUT Y_2TX
Setting 56
04-D-N-2

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	4.91056G	46.49	74.00	-27.51	41.56	3	Vertical	242	1.04	-	32.92	4.88	32.87
AV	4.89648G	34.08	54.00	-19.92	29.19	3	Vertical	242	1.04	-	32.89	4.87	32.87

802.11ax HEW40_Nss1,(MCS0)_2TX

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2452MHz_TX



EUT Y_2TX
Setting 56
04-D-N-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	4.90676G	46.92	74.00	-27.08	42.01	3	Horizontal	314	2.17	-	32.91	4.87	32.87
AV	4.91G	34.08	54.00	-19.92	29.15	3	Horizontal	314	2.17	-	32.92	4.88	32.87



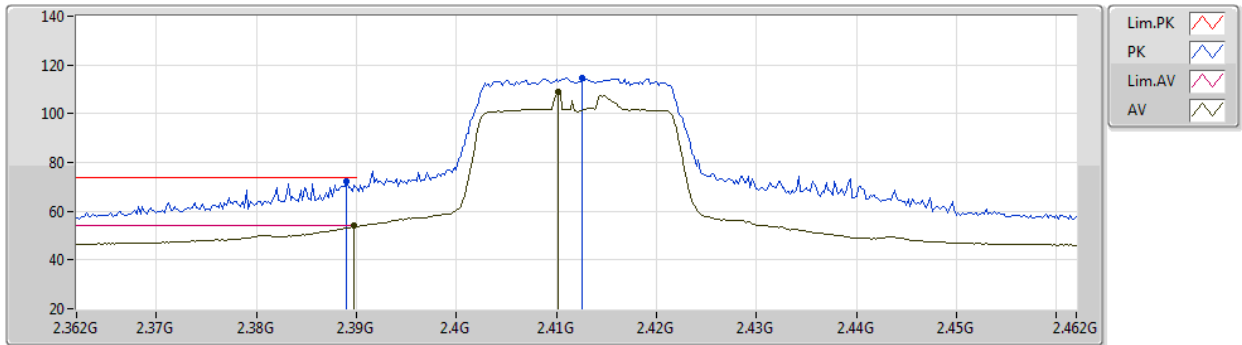
**For beamforming mode_2TX
Summary**

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-BF_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.99	54.00	-0.01	3	Vertical	9	1.71	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

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2412MHz_TX



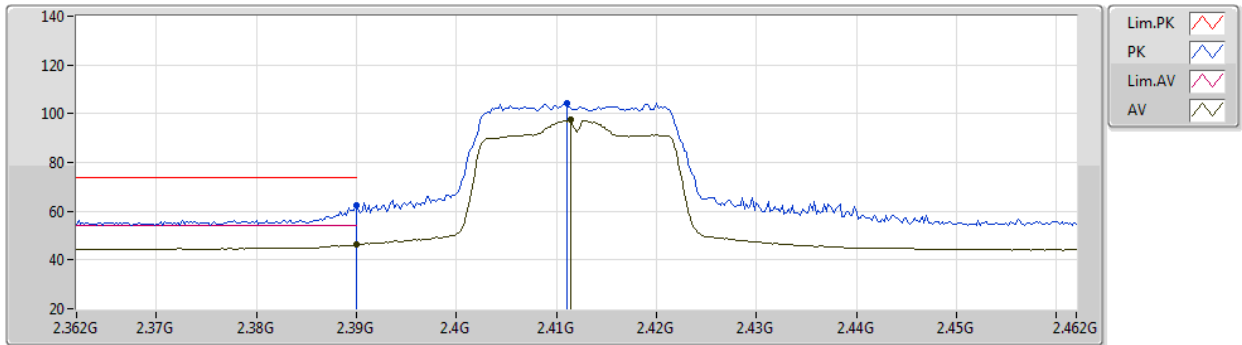
EUT Y_2TX
Setting 57
04-D-N-2

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	2.389G	72.20	74.00	-1.80	40.61	3	Vertical	0	1.99	-	27.60	3.99	-
AV	2.3898G	53.89	54.00	-0.11	22.30	3	Vertical	0	1.99	-	27.60	3.99	-
PK	2.4126G	114.83	Inf	-Inf	83.27	3	Vertical	0	1.99	-	27.55	4.01	-
AV	2.4102G	109.13	Inf	-Inf	77.56	3	Vertical	0	1.99	-	27.56	4.01	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



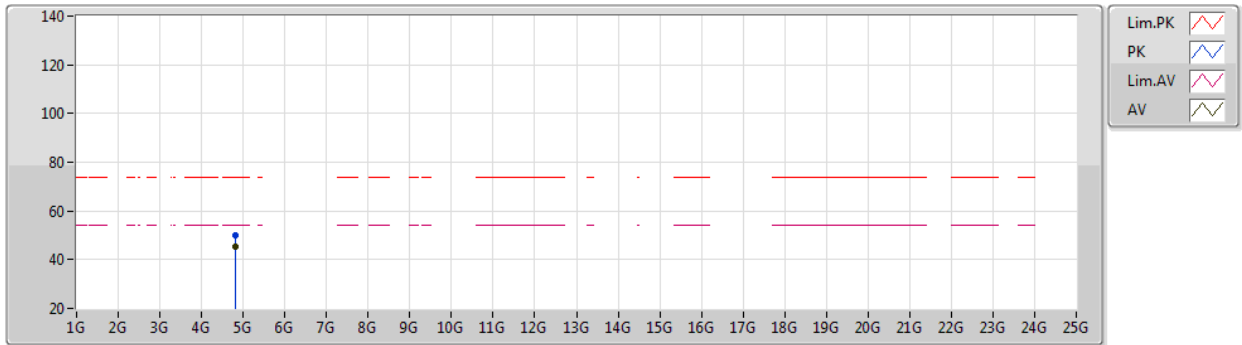
EUT Y_2TX
Setting 57
04-D-N-2

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	62.55	74.00	-11.45	30.95	3	Horizontal	30	2.64	-	27.60	4.00	-
AV	2.39G	46.52	54.00	-7.48	14.92	3	Horizontal	30	2.64	-	27.60	4.00	-
PK	2.411G	104.27	Inf	-Inf	72.70	3	Horizontal	30	2.64	-	27.56	4.01	-
AV	2.4114G	97.41	Inf	-Inf	65.85	3	Horizontal	30	2.64	-	27.55	4.01	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



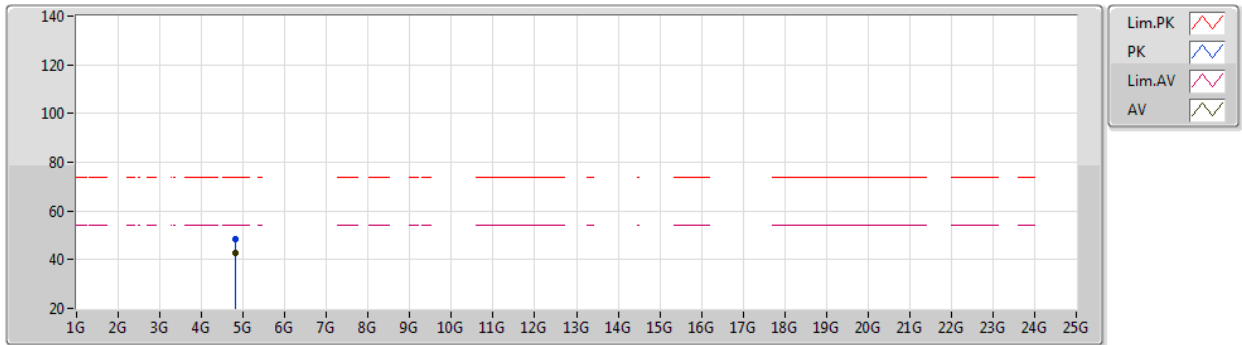
EUT Y_2TX
Setting 57
04-D-N-2

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	4.824G	49.88	74.00	-24.12	45.18	3	Vertical	0	2.00	-	31.10	5.34	31.74
AV	4.82398G	45.24	54.00	-8.76	40.54	3	Vertical	0	2.00	-	31.10	5.34	31.74

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2412MHz_TX



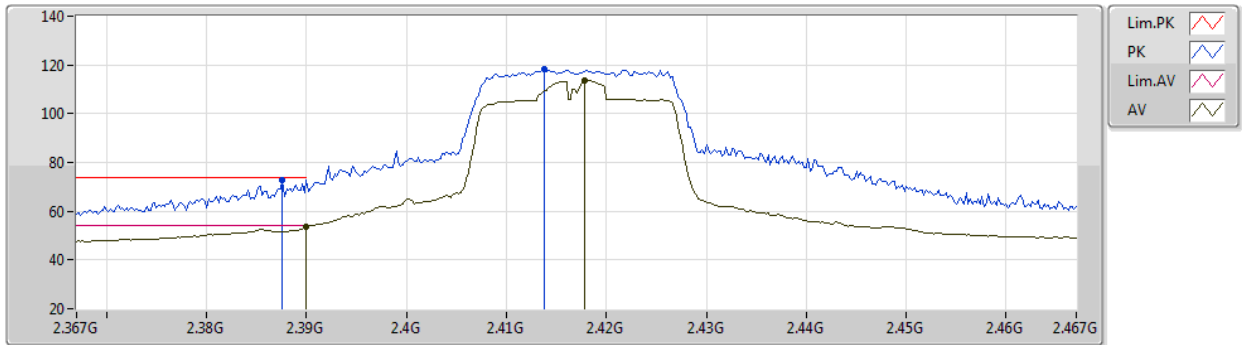
EUT Y_2TX
Setting 57
04-D-N-2

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	4.82412G	48.30	74.00	-25.70	43.60	3	Horizontal	291	2.92	-	31.10	5.34	31.74
AV	4.824G	42.74	54.00	-11.26	38.04	3	Horizontal	291	2.92	-	31.10	5.34	31.74

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

30/09/2020

2417MHz_TX



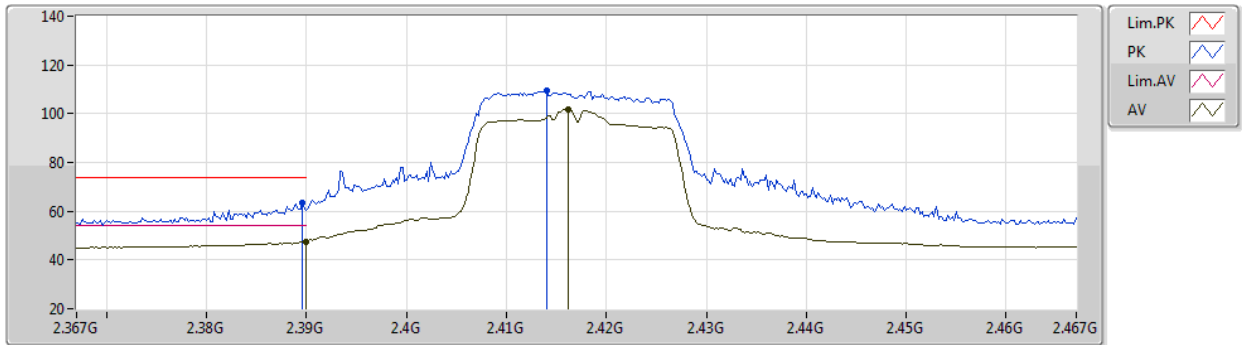
EUT Y_2TX
Setting 69
02-E-K-3

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	2.3876G	72.60	74.00	-1.40	40.84	3	Vertical	20	1.79	-	28.26	3.50	-
AV	2.39G	53.65	54.00	-0.35	21.88	3	Vertical	20	1.79	-	28.27	3.50	-
PK	2.4138G	118.04	Inf	-Inf	86.19	3	Vertical	20	1.79	-	28.34	3.51	-
AV	2.4178G	113.75	Inf	-Inf	81.88	3	Vertical	20	1.79	-	28.35	3.52	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

30/09/2020

2417MHz_TX



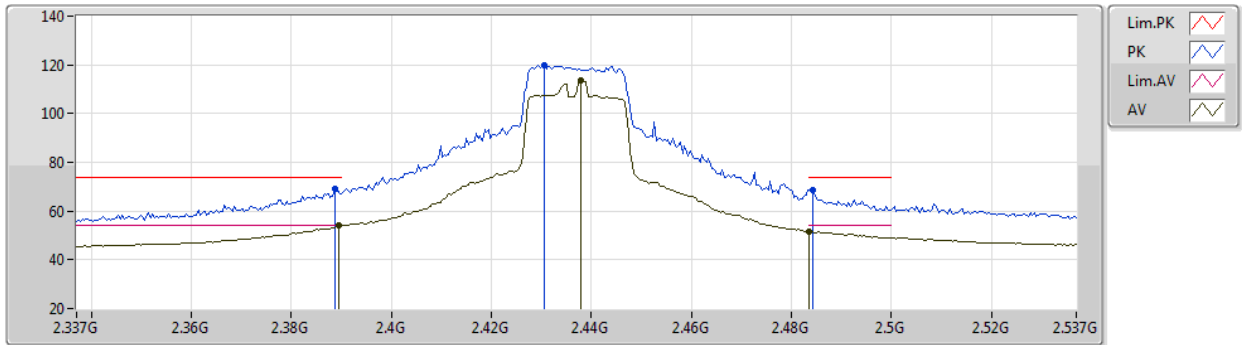
EUT Y_2TX
Setting 69
02-E-K-3

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	63.62	74.00	-10.38	31.85	3	Horizontal	45	3.00	-	28.27	3.50	-
AV	2.39G	47.65	54.00	-6.35	15.88	3	Horizontal	45	3.00	-	28.27	3.50	-
PK	2.414G	109.63	Inf	-Inf	77.78	3	Horizontal	45	3.00	-	28.34	3.51	-
AV	2.4162G	101.91	Inf	-Inf	70.04	3	Horizontal	45	3.00	-	28.35	3.52	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



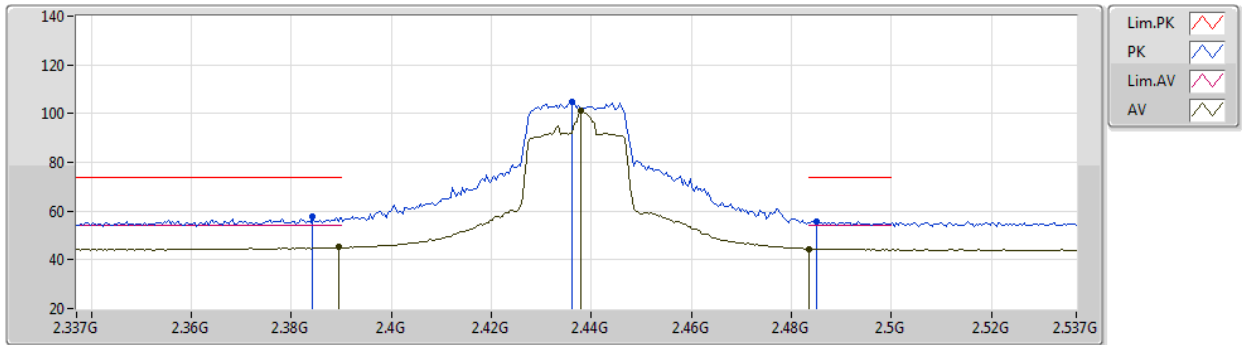
EUT Y_2TX
Setting 78
04-D-N-2

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	68.93	74.00	-5.07	37.34	3	Vertical	359	1.75	-	27.60	3.99	-
AV	2.3894G	53.89	54.00	-0.11	22.30	3	Vertical	359	1.75	-	27.60	3.99	-
PK	2.4306G	119.69	Inf	-Inf	88.19	3	Vertical	359	1.75	-	27.48	4.02	-
AV	2.4378G	113.87	Inf	-Inf	82.40	3	Vertical	359	1.75	-	27.45	4.02	-
PK	2.4842G	68.82	74.00	-5.18	37.38	3	Vertical	359	1.75	-	27.40	4.04	-
AV	2.4835G	51.61	54.00	-2.39	20.17	3	Vertical	359	1.75	-	27.40	4.04	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



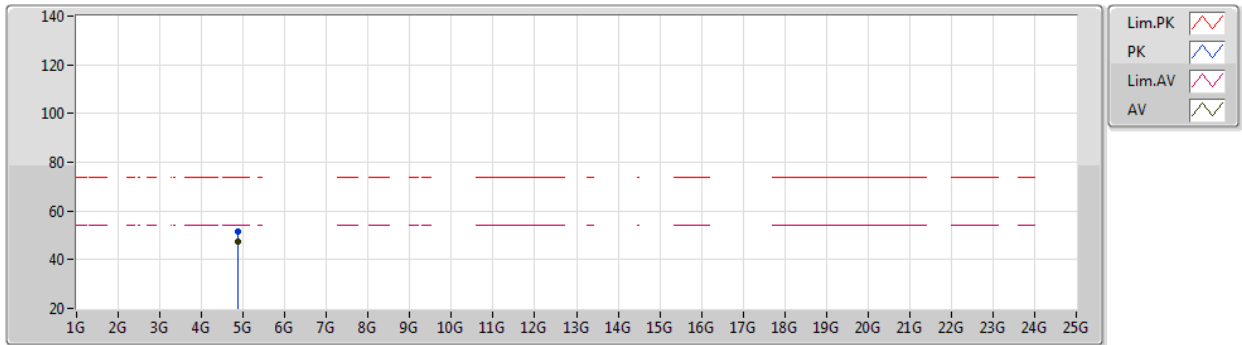
EUT Y_2TX
Setting 78
04-D-N-2

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	57.87	74.00	-16.13	26.28	3	Horizontal	317	2.65	-	27.60	3.99	-
AV	2.3894G	45.10	54.00	-8.90	13.51	3	Horizontal	317	2.65	-	27.60	3.99	-
PK	2.4362G	104.74	Inf	-Inf	73.26	3	Horizontal	317	2.65	-	27.46	4.02	-
AV	2.4378G	101.04	Inf	-Inf	69.57	3	Horizontal	317	2.65	-	27.45	4.02	-
PK	2.485G	55.85	74.00	-18.15	24.41	3	Horizontal	317	2.65	-	27.40	4.04	-
AV	2.4835G	44.52	54.00	-9.48	13.08	3	Horizontal	317	2.65	-	27.40	4.04	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



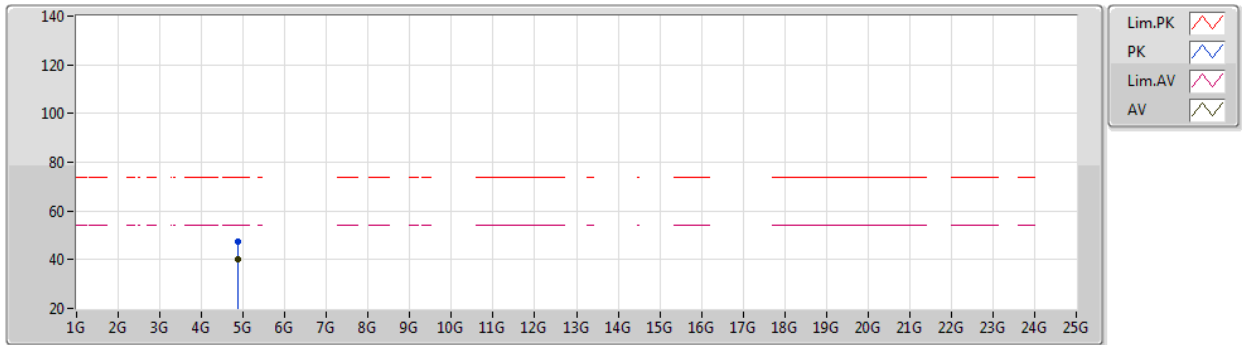
EUT Y_2TX
Setting 78
04-D-N-2

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	4.87392G	51.60	74.00	-22.40	46.72	3	Vertical	316	1.86	-	31.15	5.41	31.68
AV	4.874G	47.18	54.00	-6.82	42.30	3	Vertical	316	1.86	-	31.15	5.41	31.68

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2437MHz_TX



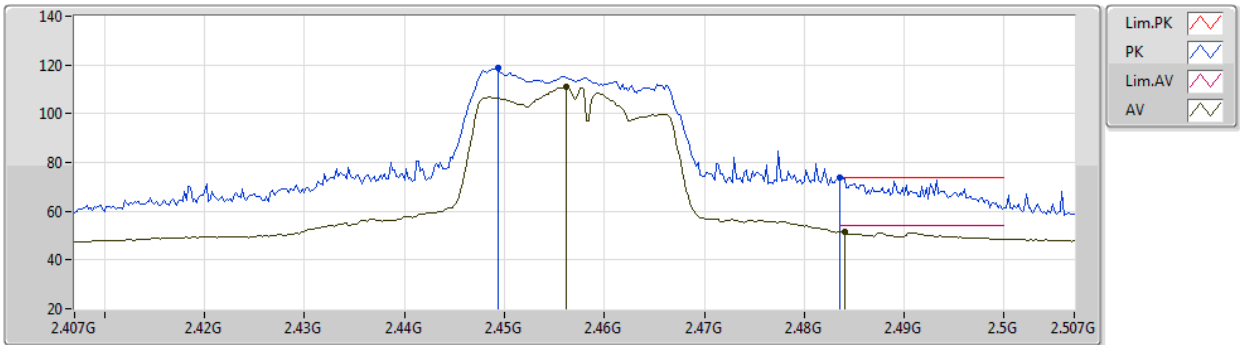
EUT Y_2TX
Setting 78
04-D-N-2

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	4.8736G	47.29	74.00	-26.71	42.41	3	Horizontal	44	1.80	-	31.15	5.41	31.68
AV	4.87396G	40.07	54.00	-13.93	35.19	3	Horizontal	44	1.80	-	31.15	5.41	31.68

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

30/09/2020

2457MHz_TX



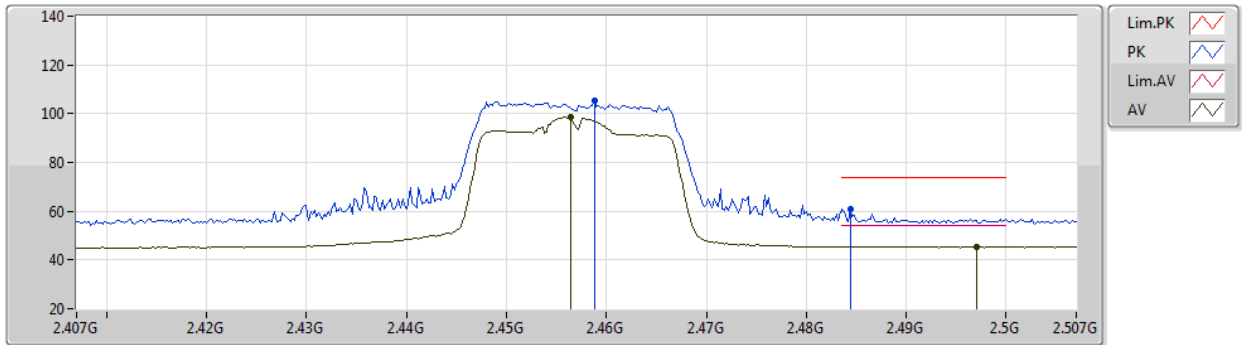
EUT Y_2TX
Setting 62
02-E-K-3

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	2.4494G	118.67	Inf	-Inf	86.67	3	Vertical	0	1.44	-	28.45	3.55	-
AV	2.4562G	110.96	Inf	-Inf	78.93	3	Vertical	0	1.44	-	28.47	3.56	-
PK	2.4836G	73.88	74.00	-0.12	41.75	3	Vertical	0	1.44	-	28.55	3.58	-
AV	2.484G	51.43	54.00	-2.57	19.30	3	Vertical	0	1.44	-	28.55	3.58	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

30/09/2020

2457MHz_TX



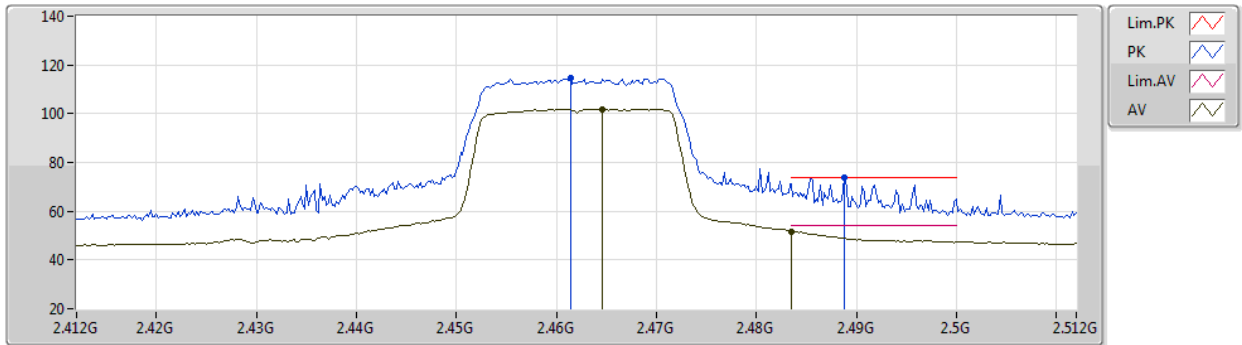
EUT Y_2TX
Setting 62
02-E-K-3

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	2.4588G	105.34	Inf	-Inf	73.30	3	Horizontal	318	2.97	-	28.48	3.56	-
AV	2.4564G	98.65	Inf	-Inf	66.62	3	Horizontal	318	2.97	-	28.47	3.56	-
PK	2.4844G	61.03	74.00	-12.97	28.90	3	Horizontal	318	2.97	-	28.55	3.58	-
AV	2.497G	45.47	54.00	-8.53	13.28	3	Horizontal	318	2.97	-	28.59	3.60	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



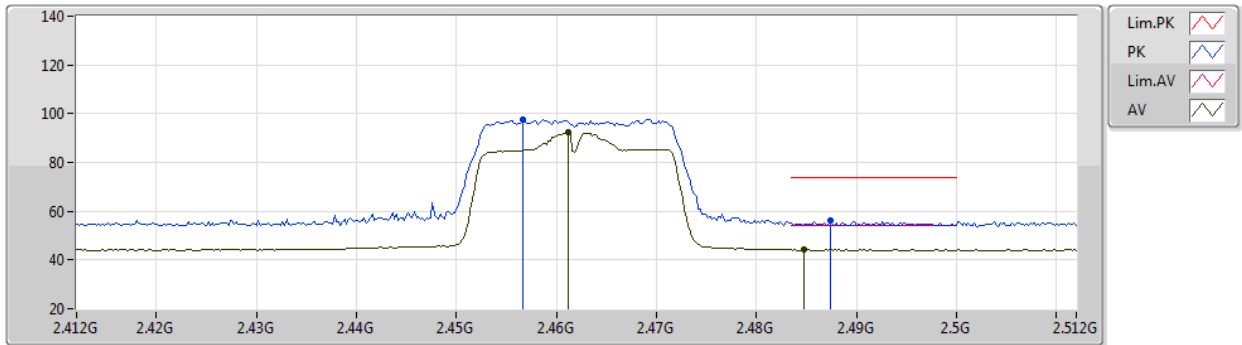
EUT Y_2TX
Setting 56
04-D-N-2

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	2.4614G	114.70	Inf	-Inf	83.27	3	Vertical	17	1.80	-	27.40	4.03	-
AV	2.4646G	101.89	Inf	-Inf	70.46	3	Vertical	17	1.80	-	27.40	4.03	-
PK	2.4888G	73.78	74.00	-0.22	42.34	3	Vertical	17	1.80	-	27.40	4.04	-
AV	2.4835G	51.73	54.00	-2.27	20.29	3	Vertical	17	1.80	-	27.40	4.04	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



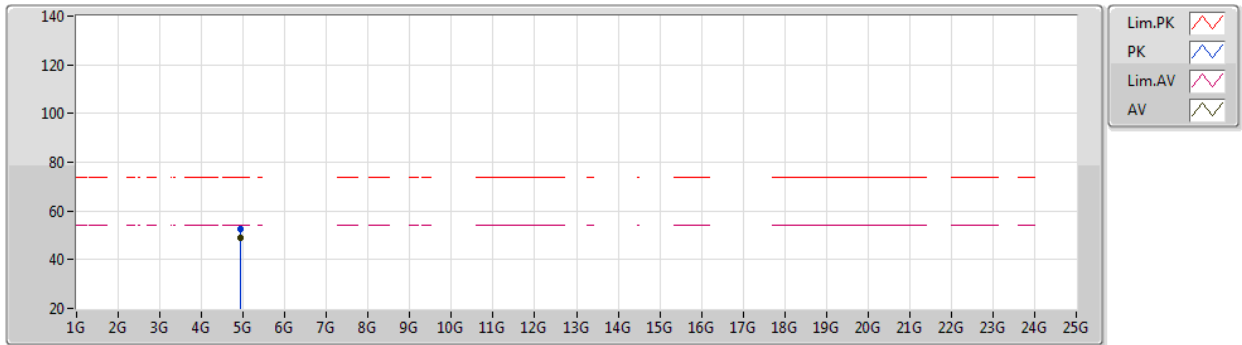
EUT Y_2TX
Setting 56
04-D-N-2

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	2.4566G	97.82	Inf	-Inf	66.39	3	Horizontal	33	1.41	-	27.40	4.03	-
AV	2.4612G	92.28	Inf	-Inf	60.85	3	Horizontal	33	1.41	-	27.40	4.03	-
PK	2.4874G	55.95	74.00	-18.05	24.51	3	Horizontal	33	1.41	-	27.40	4.04	-
AV	2.4848G	44.16	54.00	-9.84	12.72	3	Horizontal	33	1.41	-	27.40	4.04	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



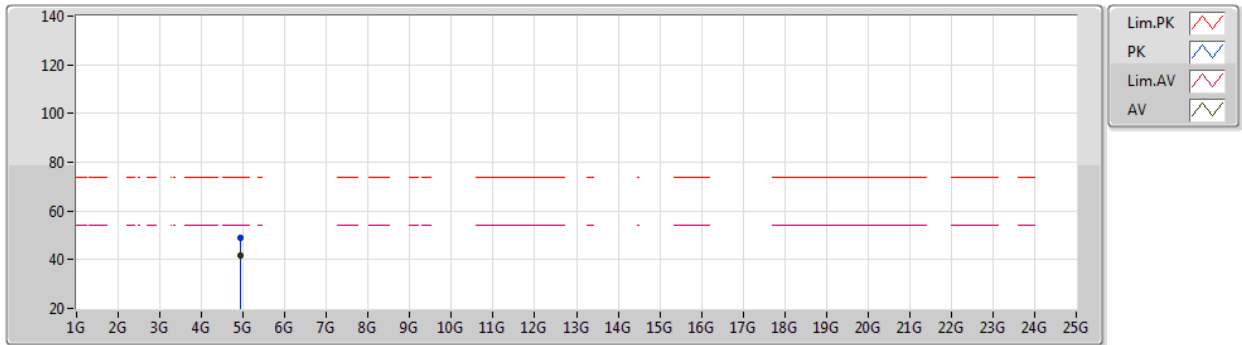
EUT Y_2TX
Setting 56
04-D-N-2

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	4.924G	52.61	74.00	-21.39	47.54	3	Vertical	0	1.80	-	31.20	5.49	31.62
AV	4.92402G	48.79	54.00	-5.21	43.72	3	Vertical	0	1.80	-	31.20	5.49	31.62

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

28/09/2020

2462MHz_TX



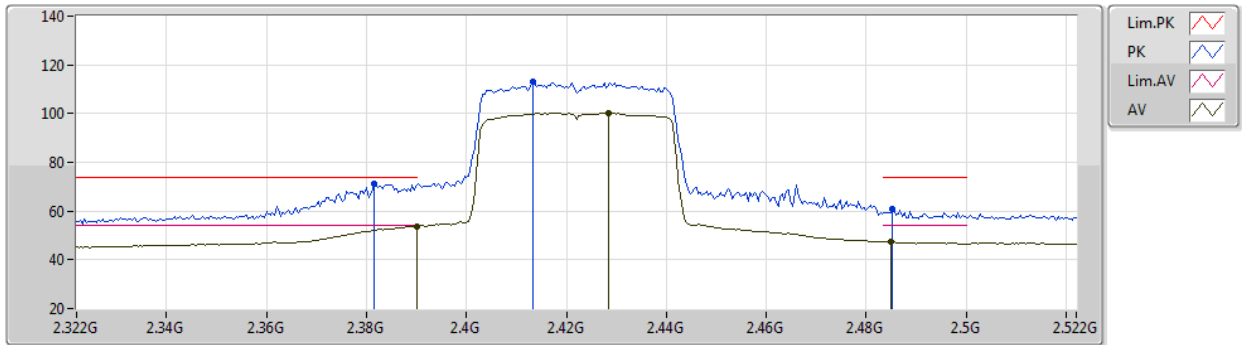
EUT Y_2TX
Setting 56
04-D-N-2

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	4.9239G	48.97	74.00	-25.03	43.90	3	Horizontal	37	1.72	-	31.20	5.49	31.62
AV	4.92406G	41.80	54.00	-12.20	36.73	3	Horizontal	37	1.72	-	31.20	5.49	31.62

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2422MHz_TX



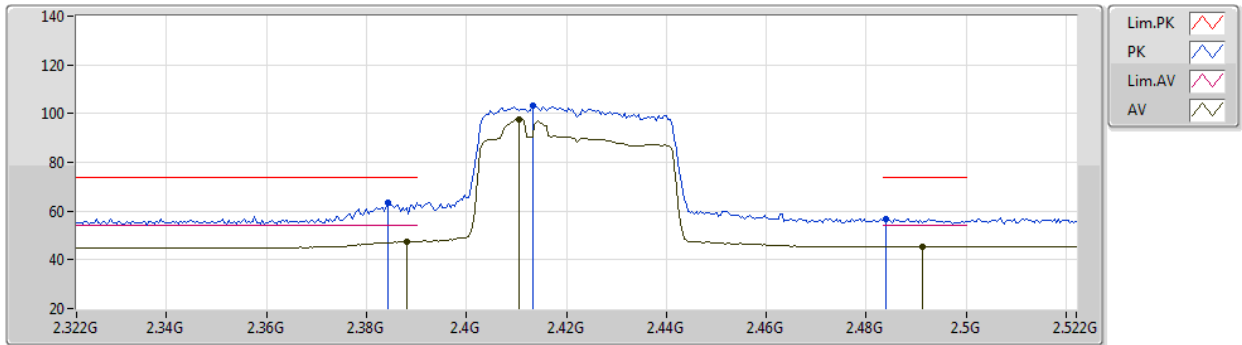
EUT Y_2TX
Setting 53
02-E-K-3

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	2.3816G	71.05	74.00	-2.95	39.31	3	Vertical	20	1.76	-	28.24	3.50	-
AV	2.39G	53.72	54.00	-0.28	21.95	3	Vertical	20	1.76	-	28.27	3.50	-
PK	2.4132G	112.92	Inf	-Inf	81.07	3	Vertical	20	1.76	-	28.34	3.51	-
AV	2.4284G	100.16	Inf	-Inf	68.24	3	Vertical	20	1.76	-	28.39	3.53	-
PK	2.4852G	60.80	74.00	-13.20	28.65	3	Vertical	20	1.76	-	28.56	3.59	-
AV	2.4848G	47.55	54.00	-6.45	15.42	3	Vertical	20	1.76	-	28.55	3.58	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/09/2020

2422MHz_TX



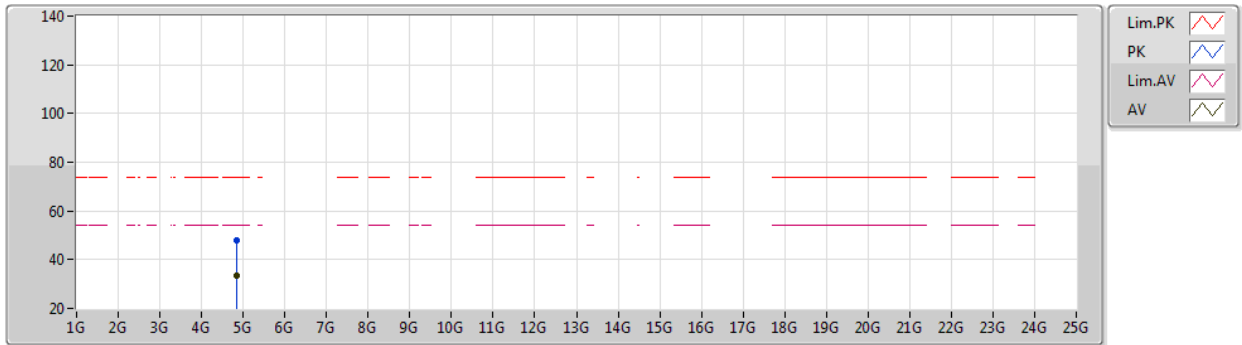
EUT Y_2TX
Setting 53
02-E-K-3

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	2.3844G	63.46	74.00	-10.54	31.71	3	Horizontal	36	2.73	-	28.25	3.50	-
AV	2.388G	47.44	54.00	-6.56	15.68	3	Horizontal	36	2.73	-	28.26	3.50	-
PK	2.4132G	103.47	Inf	-Inf	71.62	3	Horizontal	36	2.73	-	28.34	3.51	-
AV	2.4104G	97.59	Inf	-Inf	65.75	3	Horizontal	36	2.73	-	28.33	3.51	-
PK	2.484G	56.76	74.00	-17.24	24.63	3	Horizontal	36	2.73	-	28.55	3.58	-
AV	2.4912G	45.45	54.00	-8.55	13.29	3	Horizontal	36	2.73	-	28.57	3.59	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2422MHz_TX



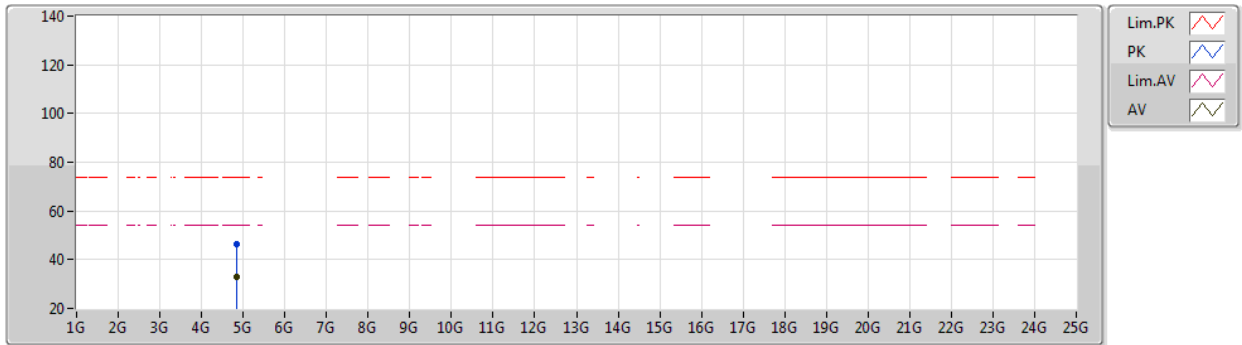
EUT Y_2TX
Setting 53
02-E-K-3

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	4.84402G	48.00	74.00	-26.00	40.99	3	Vertical	301	1.83	-	32.98	5.82	31.79
AV	4.8438G	33.36	54.00	-20.64	26.35	3	Vertical	301	1.83	-	32.98	5.82	31.79

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2422MHz_TX



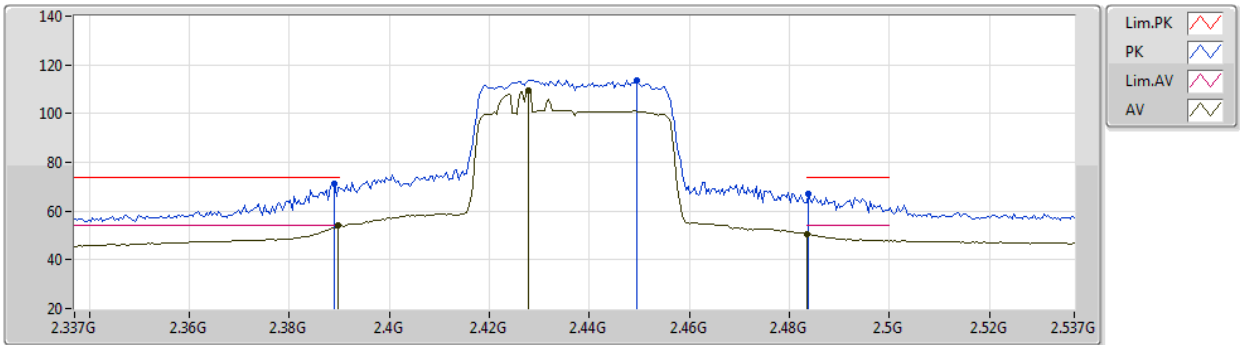
EUT Y_2TX
Setting 53
02-E-K-3

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	4.8441G	46.38	74.00	-27.62	39.37	3	Horizontal	177	2.92	-	32.98	5.82	31.79
AV	4.8438G	33.16	54.00	-20.84	26.15	3	Horizontal	177	2.92	-	32.98	5.82	31.79

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2437MHz_TX



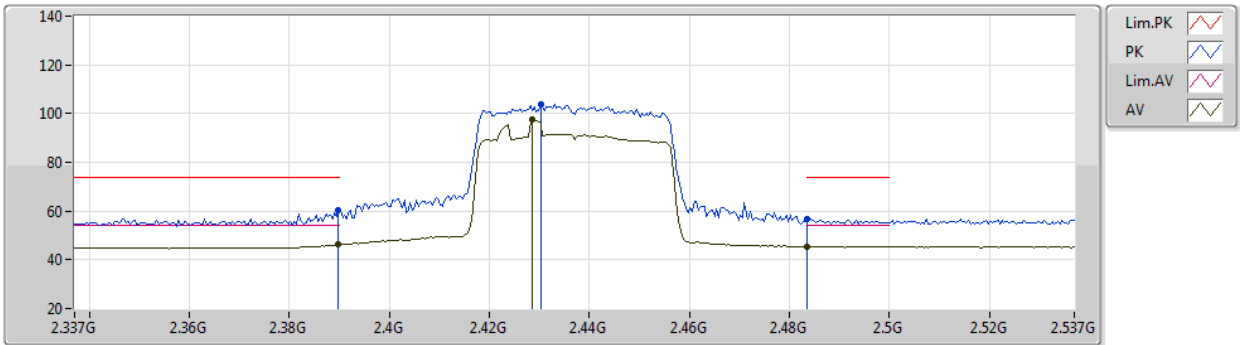
EUT Y_2TX
Setting 56
02-E-K-3

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	2.389G	71.45	74.00	-2.55	39.68	3	Vertical	9	1.71	-	28.27	3.50	-
AV	2.3898G	53.99	54.00	-0.01	22.22	3	Vertical	9	1.71	-	28.27	3.50	-
PK	2.4494G	113.74	Inf	-Inf	81.74	3	Vertical	9	1.71	-	28.45	3.55	-
AV	2.4278G	109.33	Inf	-Inf	77.42	3	Vertical	9	1.71	-	28.38	3.53	-
PK	2.4838G	67.10	74.00	-6.90	34.97	3	Vertical	9	1.71	-	28.55	3.58	-
AV	2.4835G	50.69	54.00	-3.31	18.56	3	Vertical	9	1.71	-	28.55	3.58	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2437MHz_TX



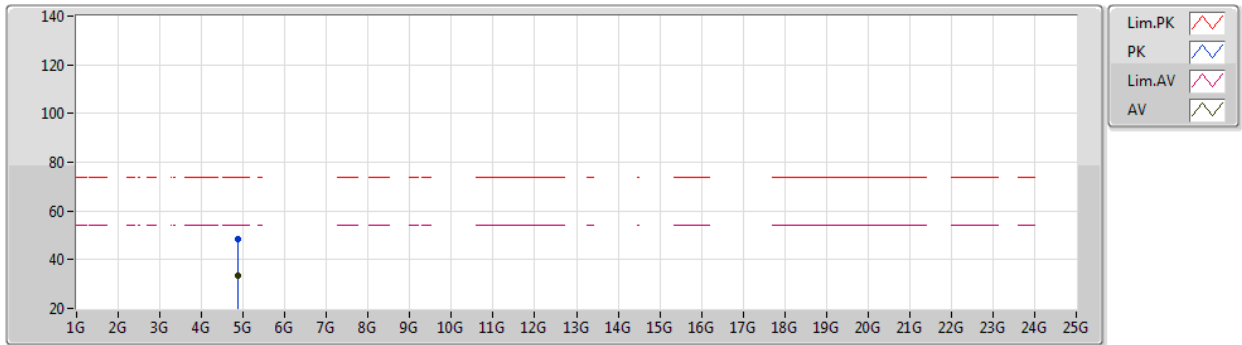
EUT Y_2TX
Setting 56
02-E-K-3

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	2.3898G	60.49	74.00	-13.51	28.72	3	Horizontal	41	2.89	-	28.27	3.50	-
AV	2.3898G	46.13	54.00	-7.87	14.36	3	Horizontal	41	2.89	-	28.27	3.50	-
PK	2.4302G	103.66	Inf	-Inf	71.74	3	Horizontal	41	2.89	-	28.39	3.53	-
AV	2.4286G	97.59	Inf	-Inf	65.67	3	Horizontal	41	2.89	-	28.39	3.53	-
PK	2.4835G	56.87	74.00	-17.13	24.74	3	Horizontal	41	2.89	-	28.55	3.58	-
AV	2.4835G	45.37	54.00	-8.63	13.24	3	Horizontal	41	2.89	-	28.55	3.58	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/09/2020

2437MHz_TX



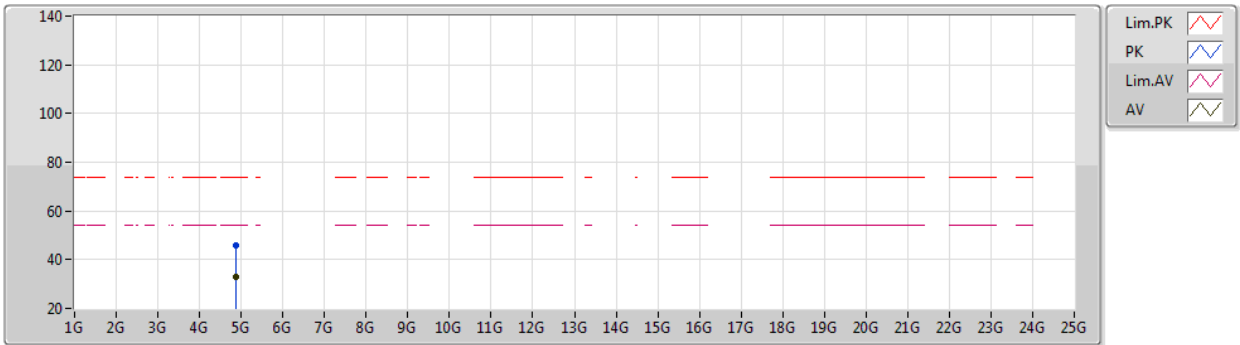
EUT Y_2TX
Setting 56
02-E-K-3

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	4.87406G	48.34	74.00	-25.66	41.20	3	Vertical	139	2.19	-	33.10	5.84	31.80
AV	4.87424G	33.38	54.00	-20.62	26.24	3	Vertical	139	2.19	-	33.10	5.84	31.80

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/09/2020

2437MHz_TX



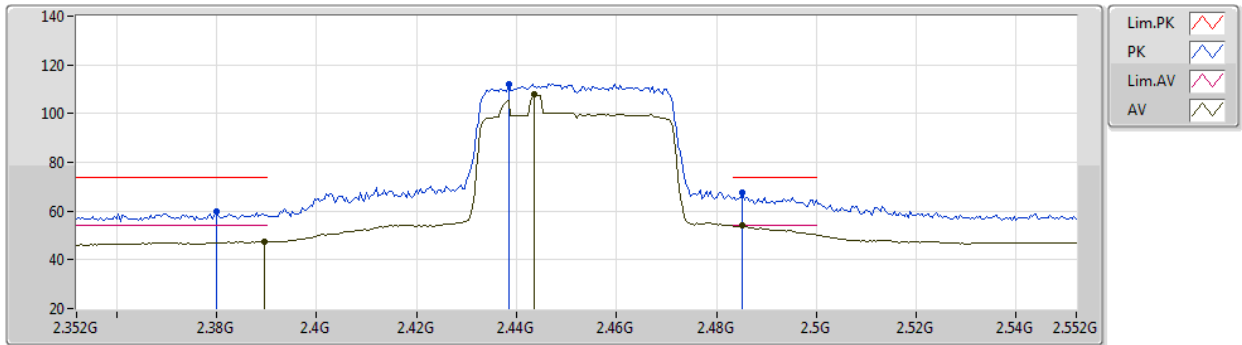
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Setting 56
02-E-K-3

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	4.87036G	45.72	74.00	-28.28	38.60	3	Horizontal	25	1.12	-	33.08	5.84	31.80
AV	4.8744G	32.76	54.00	-21.24	25.62	3	Horizontal	25	1.12	-	33.10	5.84	31.80

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2452MHz_TX



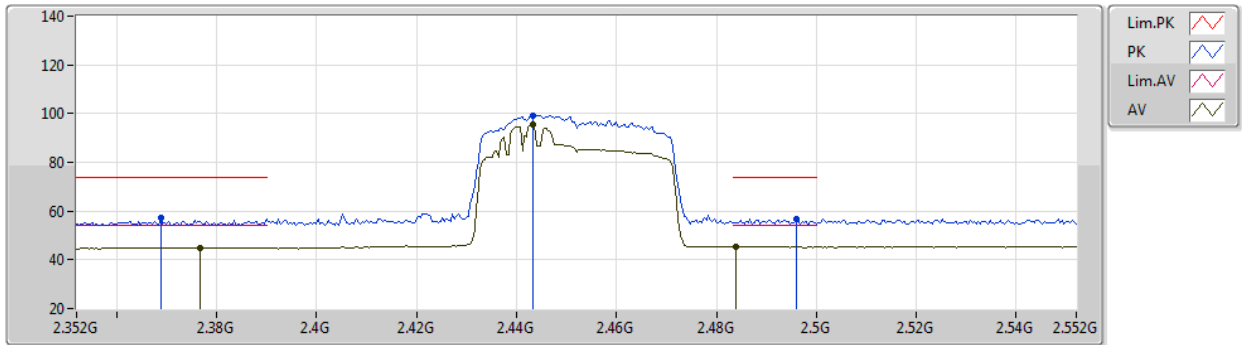
EUT Y_2TX
Setting 50
02-E-N-2

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	2.38G	59.94	74.00	-14.06	28.20	3	Vertical	352	1.60	-	28.24	3.50	-
AV	2.3896G	47.62	54.00	-6.38	15.85	3	Vertical	352	1.60	-	28.27	3.50	-
PK	2.4384G	112.21	Inf	-Inf	80.25	3	Vertical	352	1.60	-	28.42	3.54	-
AV	2.4436G	107.80	Inf	-Inf	75.83	3	Vertical	352	1.60	-	28.43	3.54	-
PK	2.4852G	67.68	74.00	-6.32	35.53	3	Vertical	352	1.60	-	28.56	3.59	-
AV	2.4852G	53.89	54.00	-0.11	21.74	3	Vertical	352	1.60	-	28.56	3.59	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/09/2020

2452MHz_TX



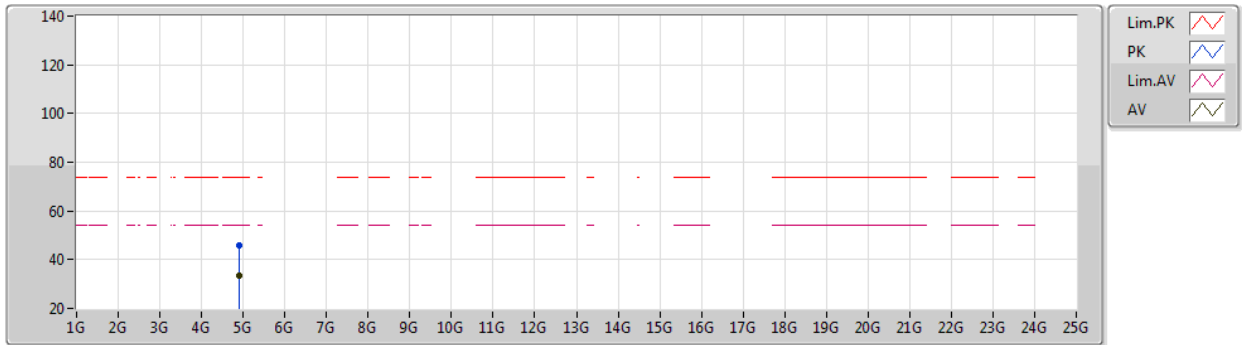
EUT_Y_2TX
Setting 50
02-E-N-2

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	2.3688G	57.03	74.00	-16.97	25.32	3	Horizontal	335	2.95	-	28.21	3.50	-
AV	2.3768G	44.90	54.00	-9.10	13.17	3	Horizontal	335	2.95	-	28.23	3.50	-
PK	2.4432G	99.21	Inf	-Inf	67.24	3	Horizontal	335	2.95	-	28.43	3.54	-
AV	2.4432G	95.44	Inf	-Inf	63.47	3	Horizontal	335	2.95	-	28.43	3.54	-
PK	2.496G	56.87	74.00	-17.13	24.68	3	Horizontal	335	2.95	-	28.59	3.60	-
AV	2.484G	45.38	54.00	-8.62	13.25	3	Horizontal	335	2.95	-	28.55	3.58	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/09/2020

2452MHz_TX



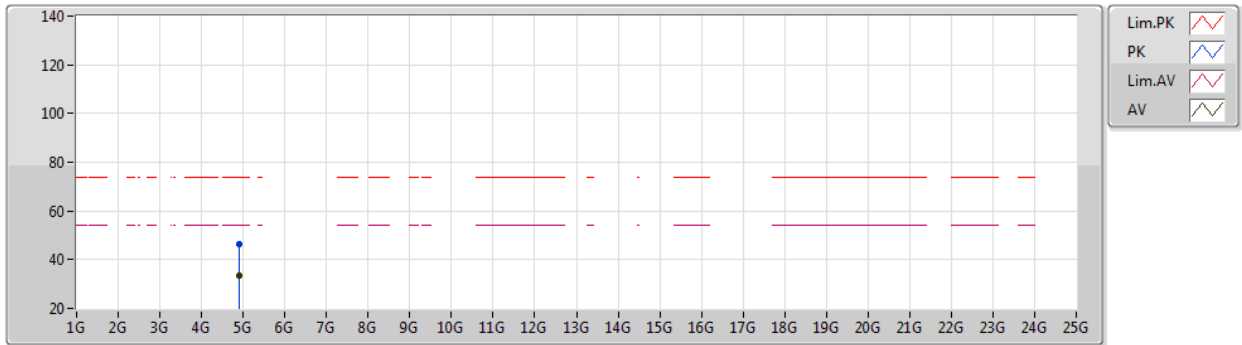
EUT Y_2TX
Setting 50
02-E-N-2

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	4.9044G	45.96	74.00	-28.04	38.72	3	Vertical	1	1.86	-	33.20	5.85	31.81
AV	4.9026G	33.49	54.00	-20.51	26.25	3	Vertical	1	1.86	-	33.20	5.85	31.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

30/09/2020

2452MHz_TX



EUT Y_2TX
Setting 50
02-E-N-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	4.89892G	46.41	74.00	-27.59	39.17	3	Horizontal	62	1.80	-	33.20	5.85	31.81
AV	4.90488G	33.35	54.00	-20.65	26.11	3	Horizontal	62	1.80	-	33.20	5.85	31.81