



FCC RADIO TEST REPORT

FCC ID : Z3WAIR4960
Equipment : 5400 Mbps 11ax Wi-Fi Mesh Extender, 5400 Mbps 11ax Wi-Fi Mesh Access Point, Home Wi-Fi Solution Kit, AX5400 Wi-Fi 6 Router
Brand Name : AirTies
Model Name : Air 4960R/Air 4960
Applicant : AirTies Wireless Networks
Mithat Uluunlu Sokak No. 23 Esentepe, Sisli Istanbul, 34394 Turkey
Manufacturer : AirTies Wireless Networks
Mithat Uluunlu Sokak No. 23 Esentepe, Sisli Istanbul, 34394 Turkey
Standard : 47 CFR FCC Part 15.247

The product was received on Feb. 04, 2020, and testing was started from Feb. 10, 2020 and completed on Apr. 13, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Sam Chen

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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Appendix H. Test Photos

Photographs of EUT v01



History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A10_10 Ver1.0

Page Number : 4 of 32
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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: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

**1.1.2 Antenna Information**

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)				
	2.4GHz	5GHz					2.4GHz	5GHz			
								Band 1	Band 2	Band 3	Band 4
1	1	4	Airties	Airties#1	Printed Antenna	N/A	2.86	1.34	1.90	1.47	1.71
2	-	3	Airties	Airties#1	Printed Antenna	N/A	-	1.34	1.90	1.47	1.71
3	-	2	Airties	Airties#1	Printed Antenna	N/A	-	1.34	1.90	1.47	1.71
4	2	1	Airties	Airties#1	Printed Antenna	N/A	2.86	1.34	1.90	1.47	1.71

Note: The above information was declared by manufacturer.

For 2.4GHz function:**For IEEE 802.11b/g/n/VHT/ax (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 function:**For IEEE 802.11a/n/ac/ax (4TX/4RX):**

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.957	0.19	12.472m	100
802.11g	0.955	0.2	2.085m	1k
802.11ax HEW20-BF	0.951	0.22	3.22m	1k
802.11ax HEW40-BF	0.966	0.15	4.657m	300

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for VHT/ax in 2.4GHz and ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	2.74.2.0.23_wltest			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The EUT has four equipment names and two model names which are identical to each other in all aspects except for the following table:

EUT	Equipment Name	Model Name	I/O Port Function	I/O Port Color	DDR	WLAN Function
1	5400 Mbps 11ax Wi-Fi Mesh Extender	Air 4960	LAN*2	yellow	Brand: Winbond Model Name: W632GU6NB-12 Capacity: 256MB	Mesh: Only 5GHz 802.11a/an/ac 20/40/80MHz AP: 802.11abgn/ac/ax 20/40/80/160MHz
	5400 Mbps 11ax Wi-Fi Mesh Access Point					
	Home Wi-Fi Solution Kit					
2	AX5400 Wi-Fi 6 Router	Air 4960R	LAN*1 WAN*1	LAN: yellow WAN: Red	Brand: Winbond Model Name: W634GU6NB-11 Capacity: 512MB	802.11abgn/ac/ax 20/40/80/160MHz

Note: The EUT supports AP, Router and Mesh Mode, Router Mode (EUT 2) only for AC power-line conducted emissions, Unwanted Emissions below 1GHz and Co-location were tested and recorded in this test report by manufacturer request.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 558074 D01 v05r02
- ♦ FCC KDB 662911 D01 v02r01
- ♦ 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	Justin Lin	19.6-20.4°C / 62-67%	Feb. 15, 2020~ Mar. 06, 2020
Radiated <Below 1GHz>	03CH05-CB	Stim Sung	23.1-24.1°C / 51-56%	Feb. 14, 2020~ Apr. 13, 2020
Radiated <Above 1GHz>	03CH01-CB	Gino Huang	23.4-23.7°C / 50-53%	Feb. 10, 2020~ Feb. 25, 2020
AC Conduction	CO02-CB	Peter Wu	22~23°C / 56~57%	Feb. 17, 2020~ Feb. 18, 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)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	86
2417MHz	65
2422MHz	67
2437MHz	84
2452MHz	79
2457MHz	78
2462MHz	84
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	60
2417MHz	64
2422MHz	77
2437MHz	79
2452MHz	79
2457MHz	67
2462MHz	62
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	57
2417MHz	60
2422MHz	68
2437MHz	75
2452MHz	67
2457MHz	59
2462MHz	55
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	53
2427MHz	57
2437MHz	58
2447MHz	57
2452MHz	51

Note:

- ♦ There are two modes of EUT, one is beamforming mode, and the other is Non-beamforming mode for VHT/ax in 2.4GHz and ac/ax in 5GHz. Only beamforming mode was tested and recorded in this report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT 2_Router Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
Operating Mode	CTX
1	EUT 1_AP Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT 2_Router Mode
Operating Mode > 1GHz	CTX
1	EUT 1_AP Mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	EUT 2_Router Mode_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix G for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 1_AP Mode_WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA982017-02 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used in Y-axis position.

2.3 EUT Operation during Test

<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 DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter	MOSO	MSA-C1000CS12.0-12A-US	Input: 100-240V~50/60Hz 0.5A max. Output: 12.0V, 1A
Other				
RJ-45 cable*1: Non-Shielded, 1.5m				



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	AP Router	ASUS	RP-N53	MSQ-RPN53

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	AP	AirTies	Air 4960	Z3WAIR4960
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A

For Radiated (above 1GHz):

<non-beamforming mode>

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

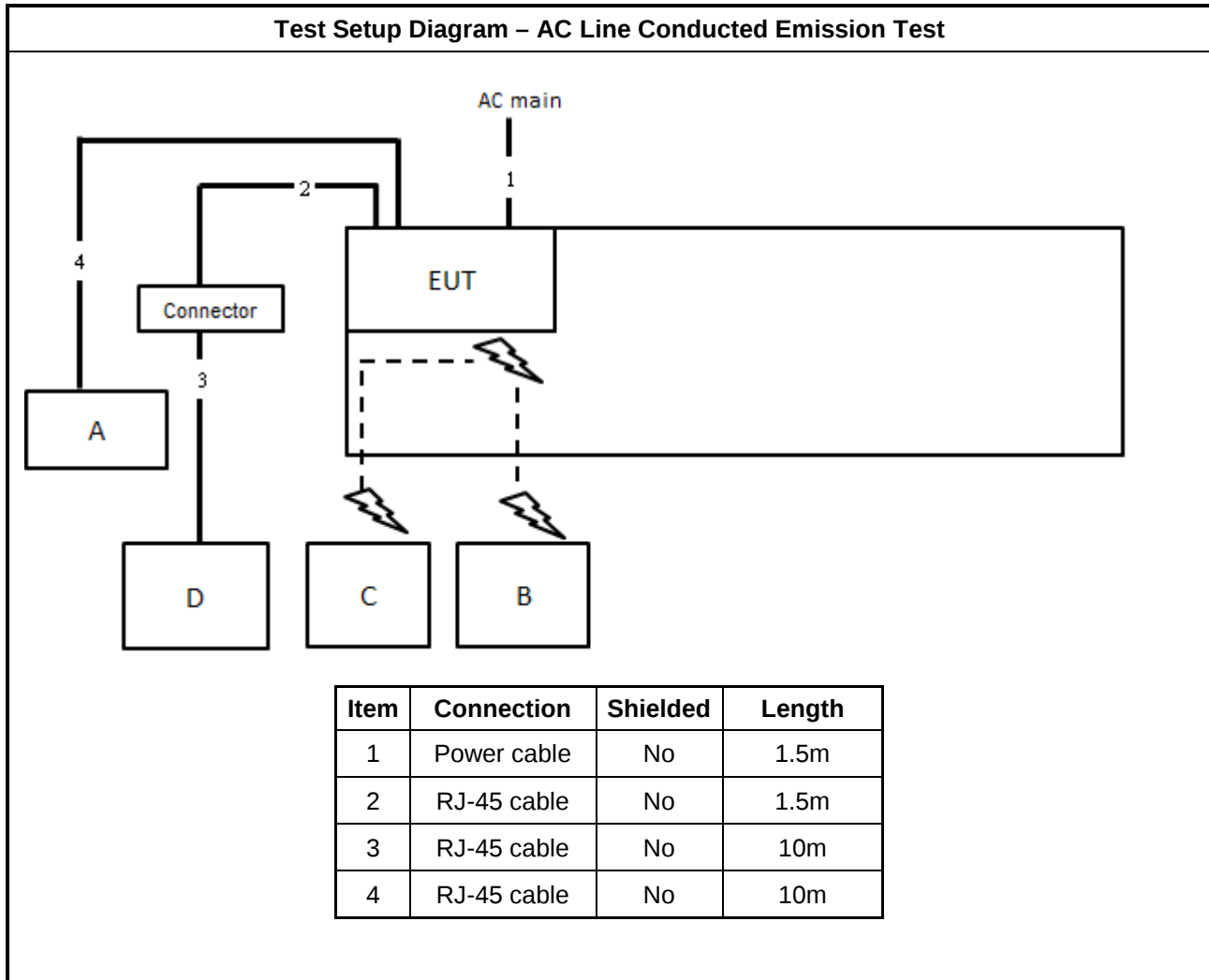
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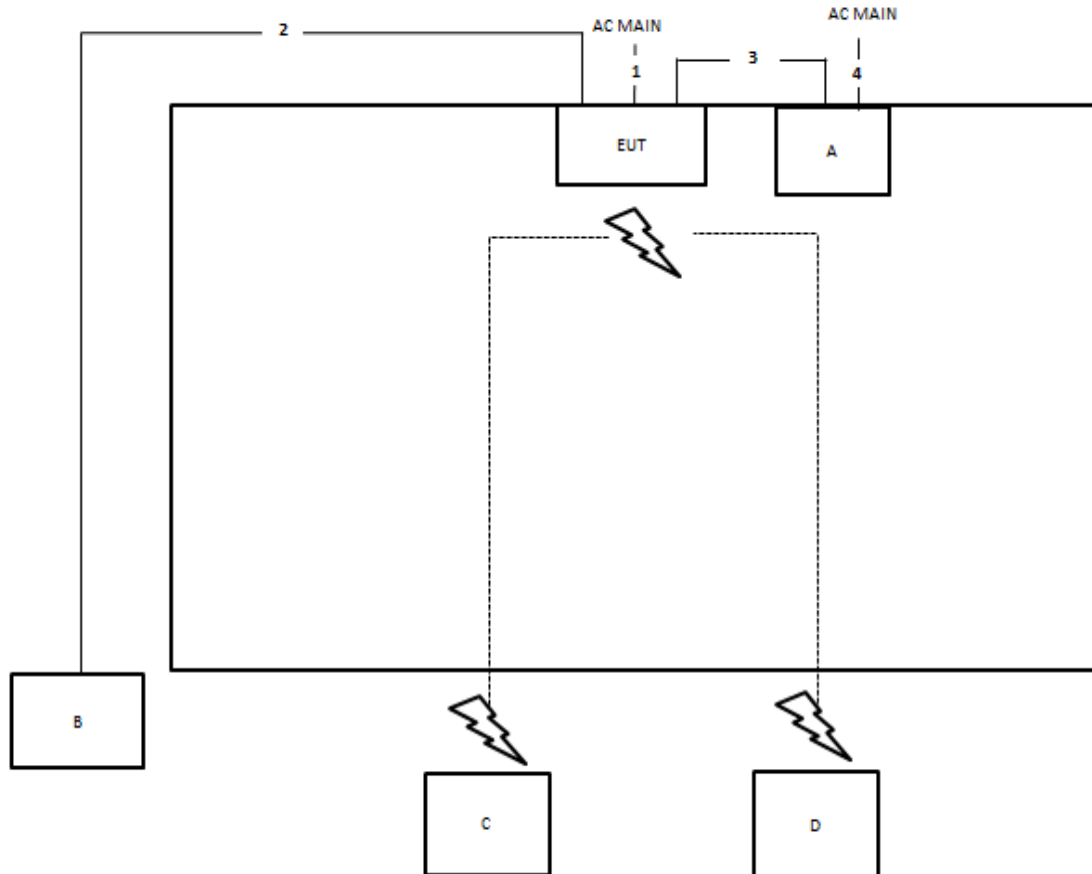
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	RX Device	ASUS	RT-AX88U	MSQ-RTAXHP00

For RF Conducted:

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

2.6 Test Setup Diagram

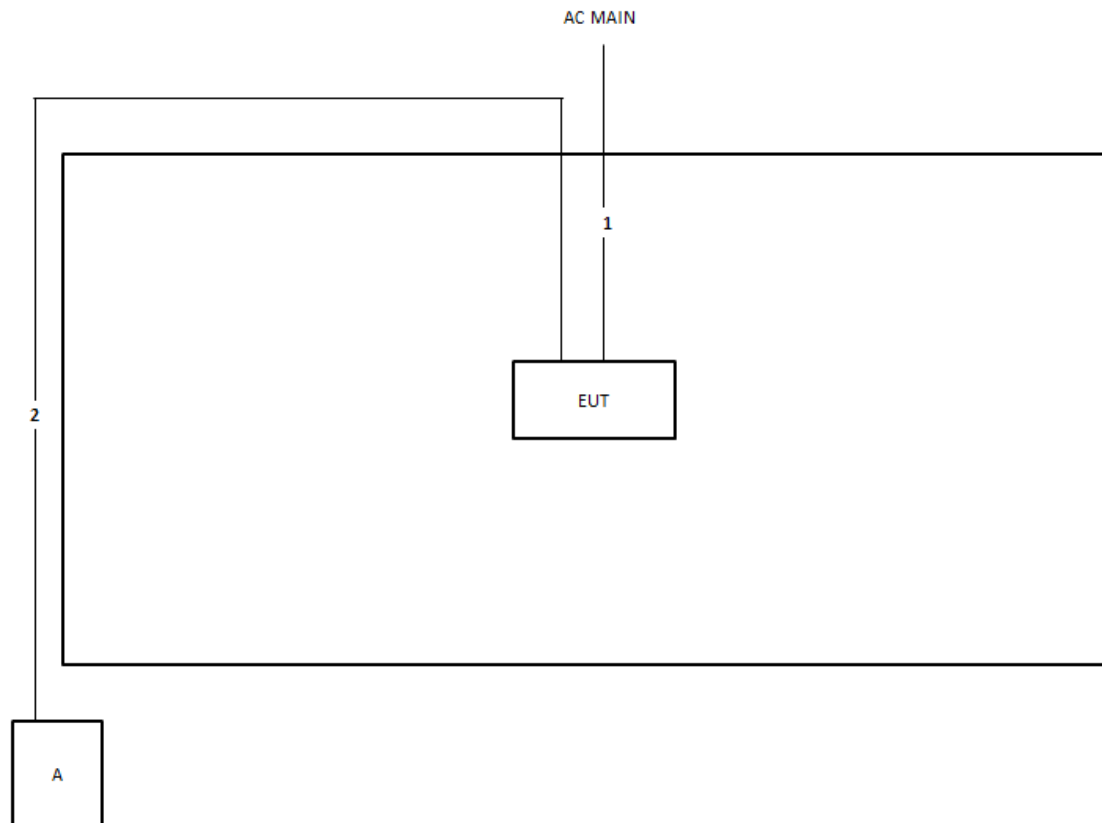


Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz

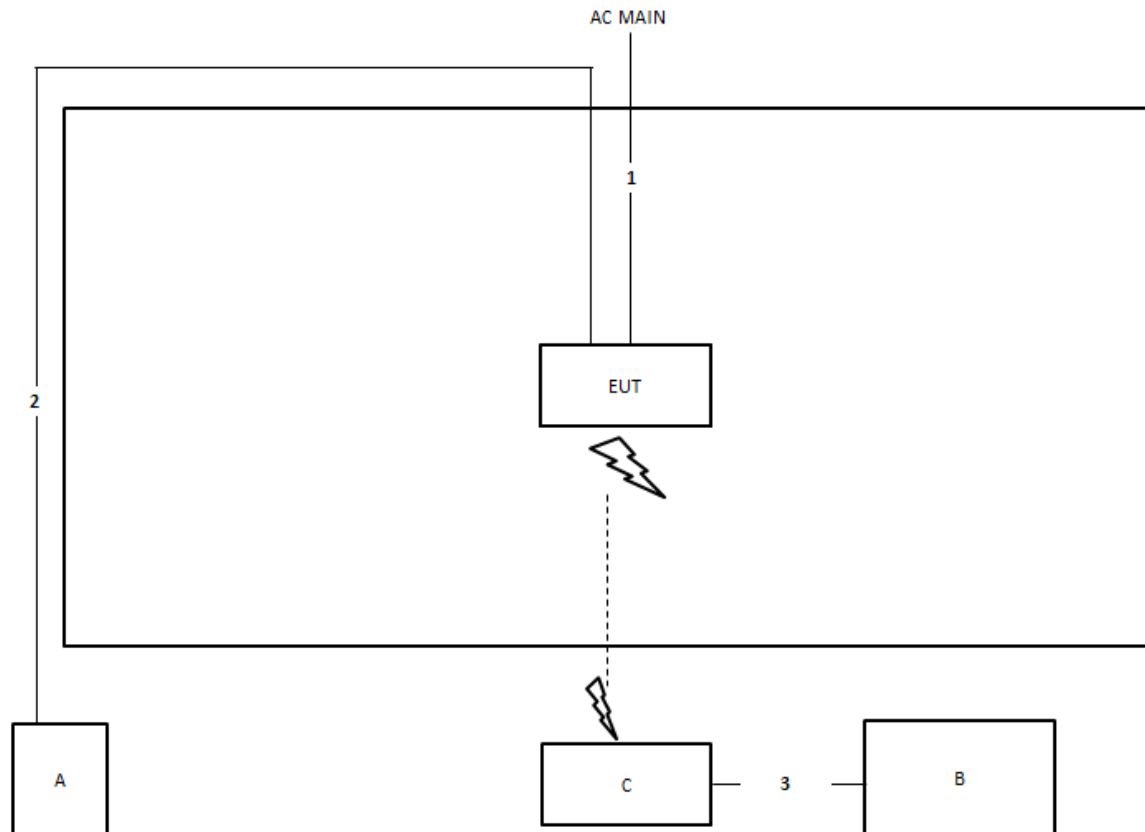
<non-beamforming mode>



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

Test Setup Diagram - Radiated Test > 1GHz

<beamforming mode>



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.0m
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.		

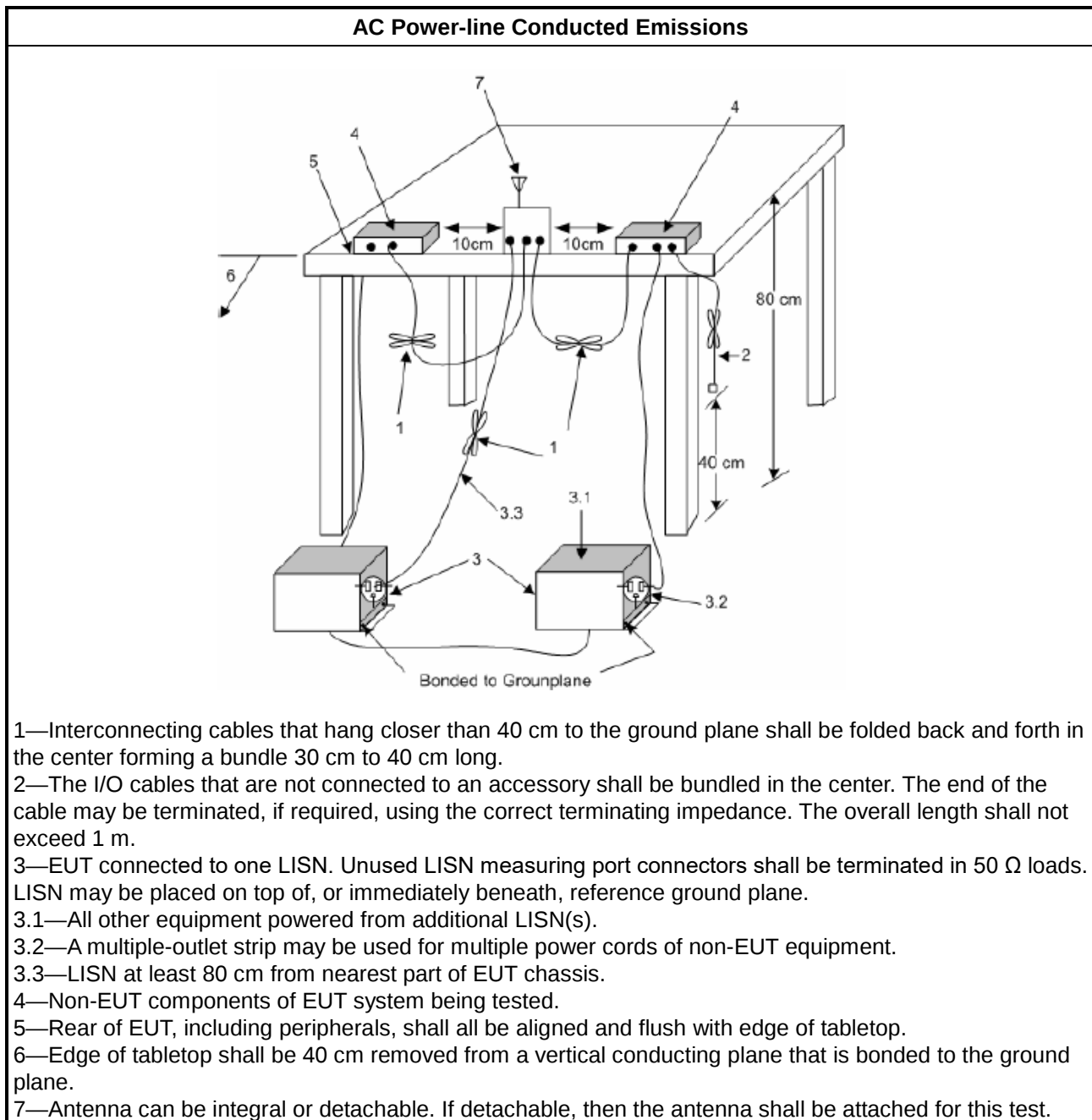
3.1.2 Measuring Instruments

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 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.

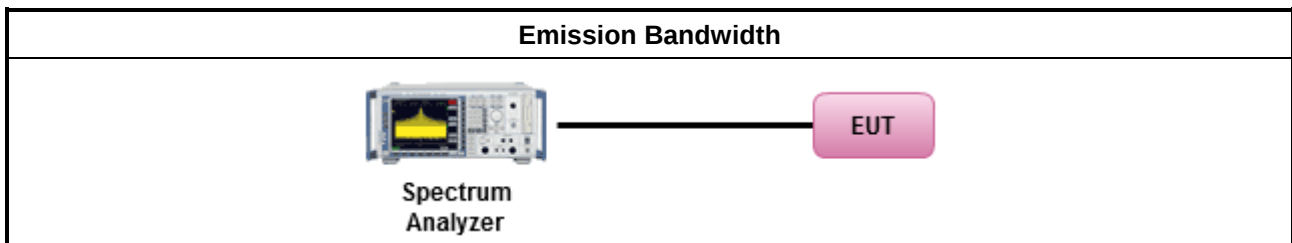
3.2.2 Measuring Instruments

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.	

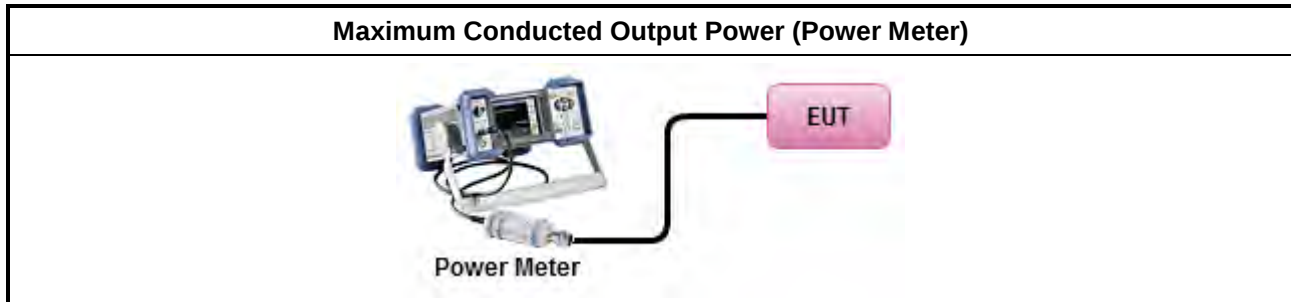
3.3.2 Measuring Instruments

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

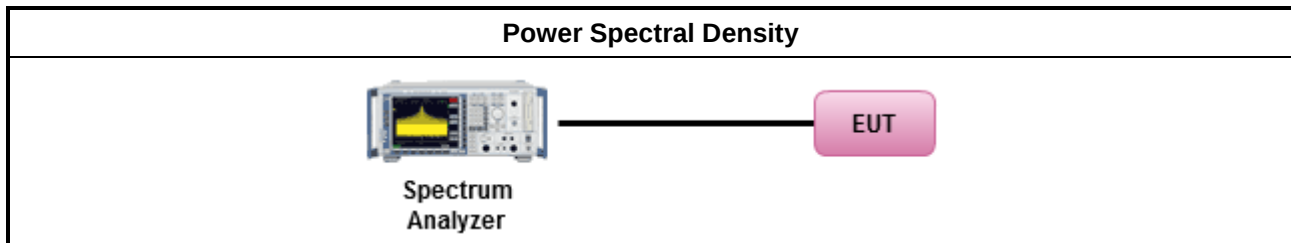
3.4.2 Measuring Instruments

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.	

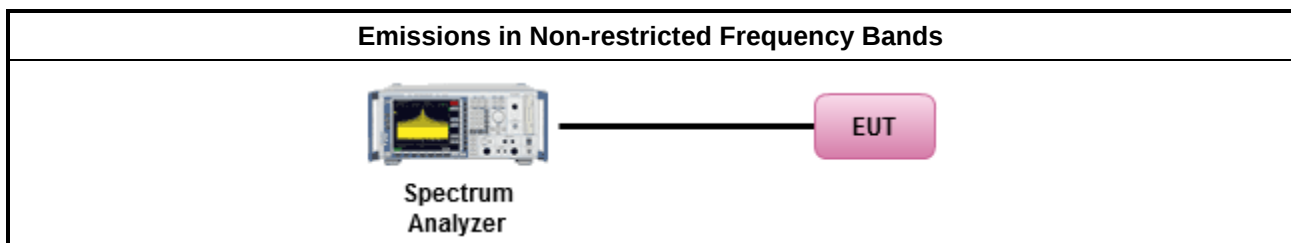
3.5.2 Measuring Instruments

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

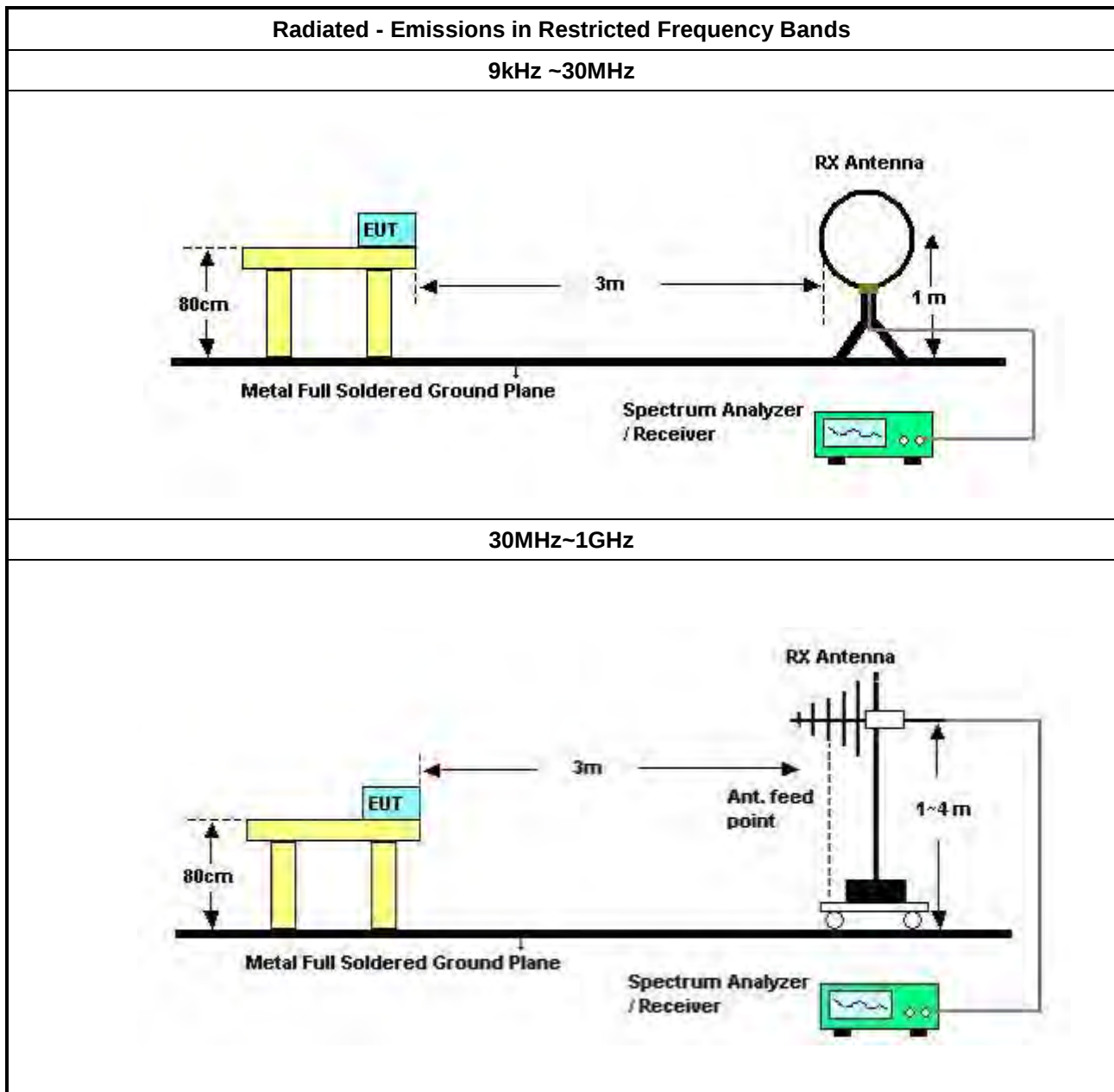
Refer a test equipment and calibration data table in this test report.

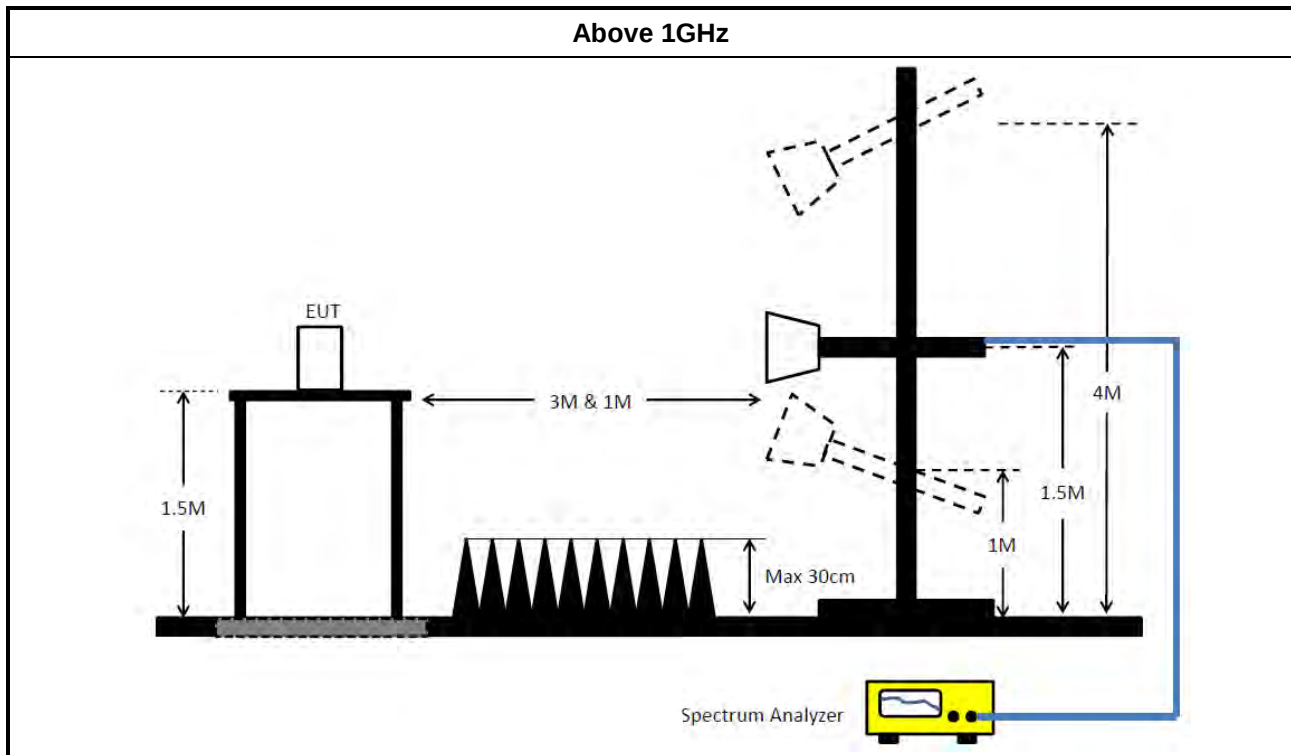


3.6.3 Test Procedures

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 + Cable Loss + Read Level - Preamp Factor = 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 10 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

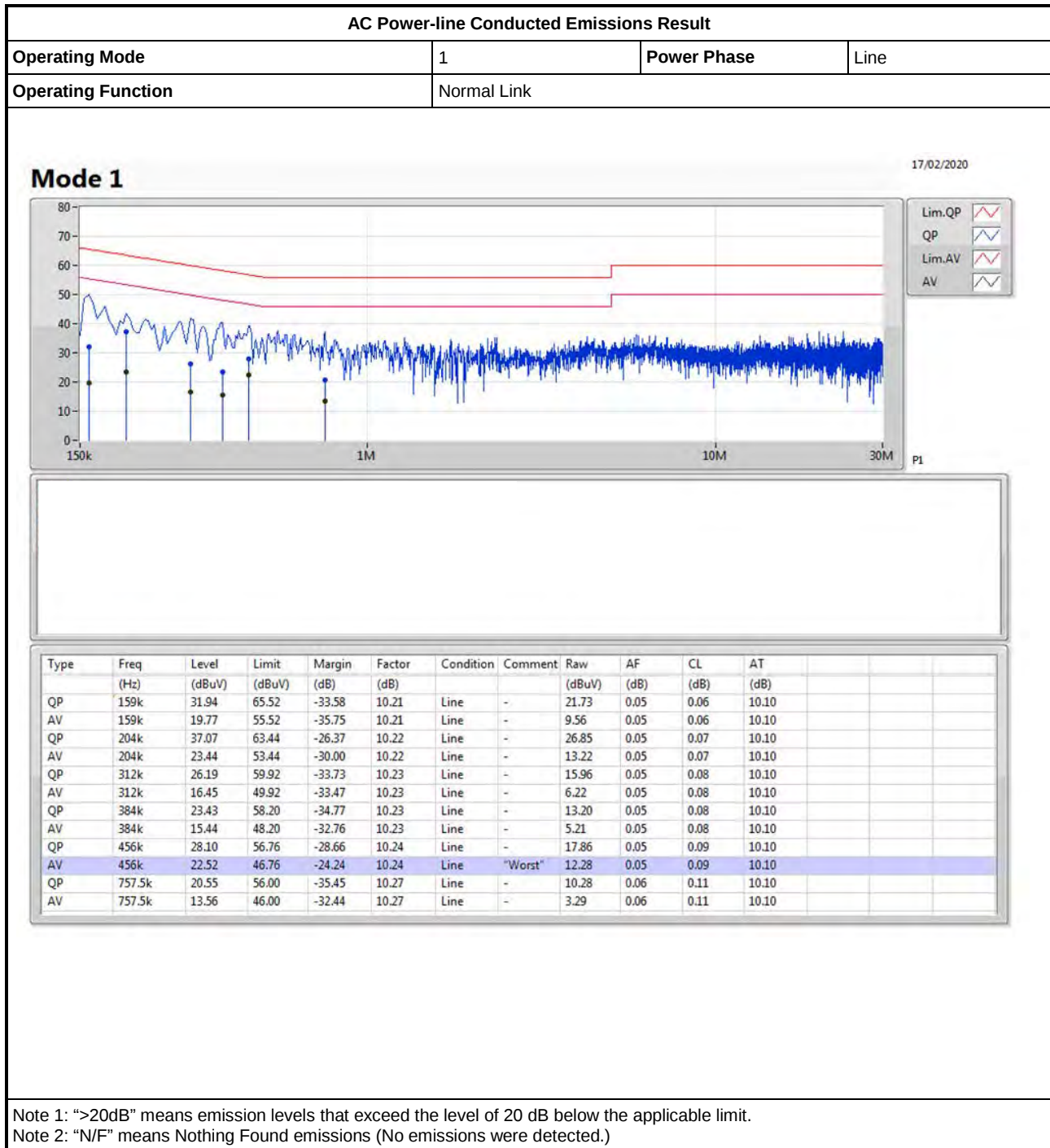
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY54130031	9kHz ~ 8.45GHz	Nov. 08, 2019	Nov. 07, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 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)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	31244	9kHz - 30 MHz	Mar. 16, 2020	Mar. 15, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2019	Nov. 03, 2020	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2020	Jan. 07, 2021	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Sep. 11, 2019	Sep. 10, 2020	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-02	1 GHz ~ 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	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-04	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. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

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

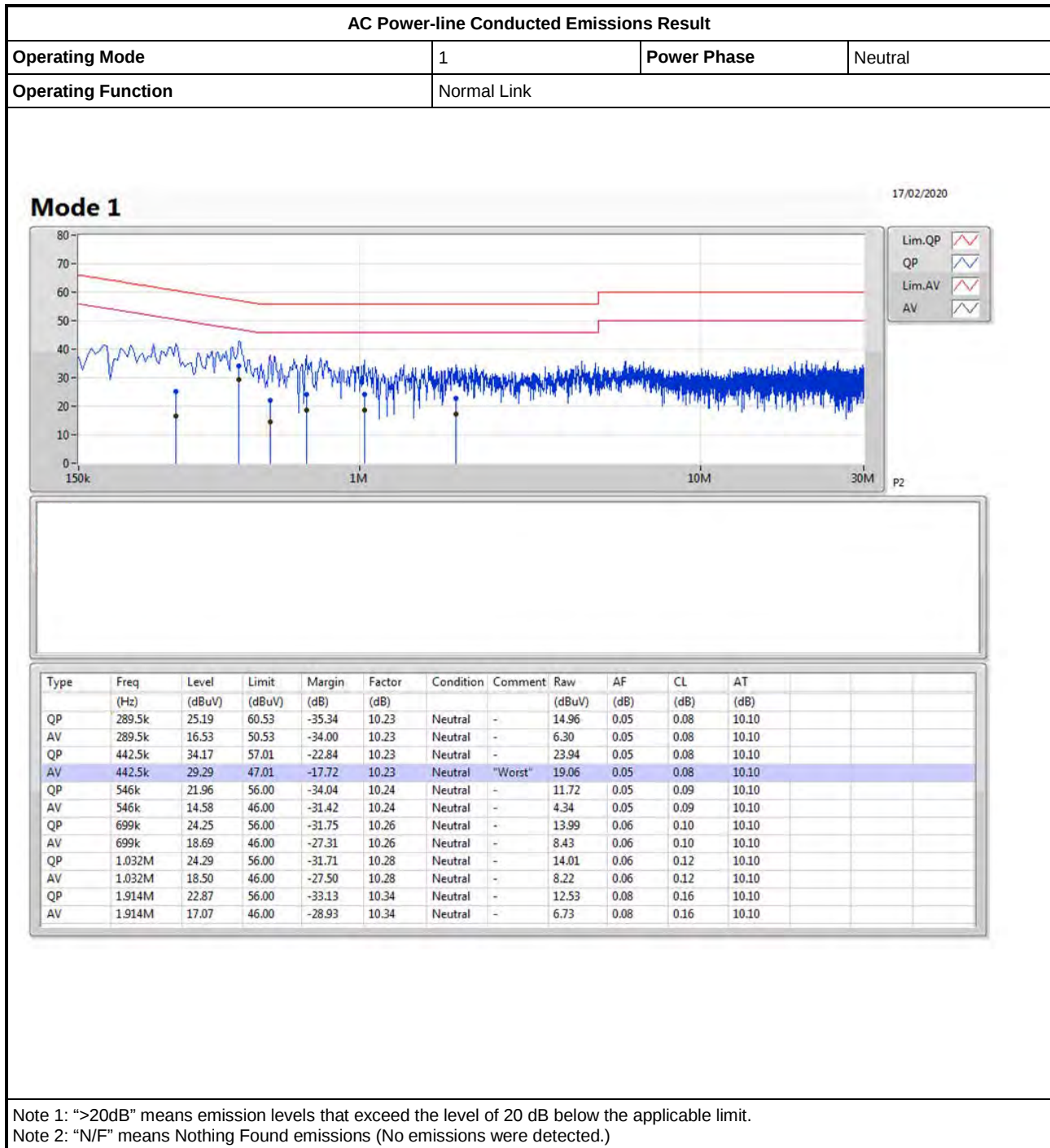
NCR means Non-Calibration required.





AC Power-line Conducted Emissions Result

Appendix A



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	10.32M	10M3G1D	7M	10.12M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.867M	16M9D1D	16.325M	16.642M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.115M	19M1D1D	18.9M	19.012M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.75M	37.554M	37M6D1D	36.4M	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;

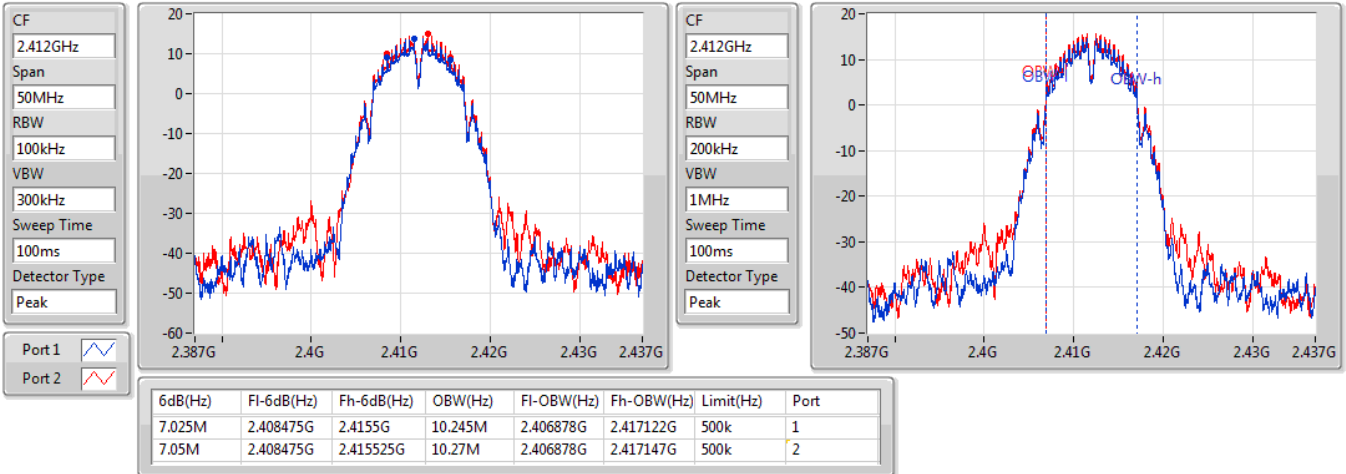
Result

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	10.27M
2417MHz	Pass	500k	7.05M	10.281M	7.025M	10.287M
2422MHz	Pass	500k	7.025M	10.269M	7M	10.301M
2437MHz	Pass	500k	7.025M	10.27M	7.05M	10.17M
2452MHz	Pass	500k	7.025M	10.229M	7.025M	10.178M
2457MHz	Pass	500k	7.05M	10.22M	7.025M	10.194M
2462MHz	Pass	500k	7.05M	10.32M	7M	10.12M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.767M	16.35M	16.642M
2417MHz	Pass	500k	16.325M	16.736M	16.325M	16.65M
2422MHz	Pass	500k	16.325M	16.762M	16.325M	16.769M
2437MHz	Pass	500k	16.35M	16.842M	16.35M	16.867M
2452MHz	Pass	500k	16.325M	16.816M	16.325M	16.79M
2457MHz	Pass	500k	16.325M	16.723M	16.325M	16.65M
2462MHz	Pass	500k	16.35M	16.717M	16.35M	16.692M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	19.015M	18.975M	19.065M
2417MHz	Pass	500k	18.975M	19.03M	18.9M	19.058M
2422MHz	Pass	500k	18.975M	19.03M	18.9M	19.071M
2437MHz	Pass	500k	18.975M	19.065M	18.925M	19.115M
2452MHz	Pass	500k	19M	19.012M	19M	19.068M
2457MHz	Pass	500k	18.975M	19.012M	18.95M	19.064M
2462MHz	Pass	500k	18.95M	19.015M	18.9M	19.065M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.75M	37.531M	37.35M	37.531M
2427MHz	Pass	500k	37.55M	37.554M	36.4M	37.538M
2437MHz	Pass	500k	37.55M	37.531M	37.25M	37.481M
2447MHz	Pass	500k	37.5M	37.539M	37.15M	37.521M
2452MHz	Pass	500k	37.55M	37.531M	37.3M	37.531M

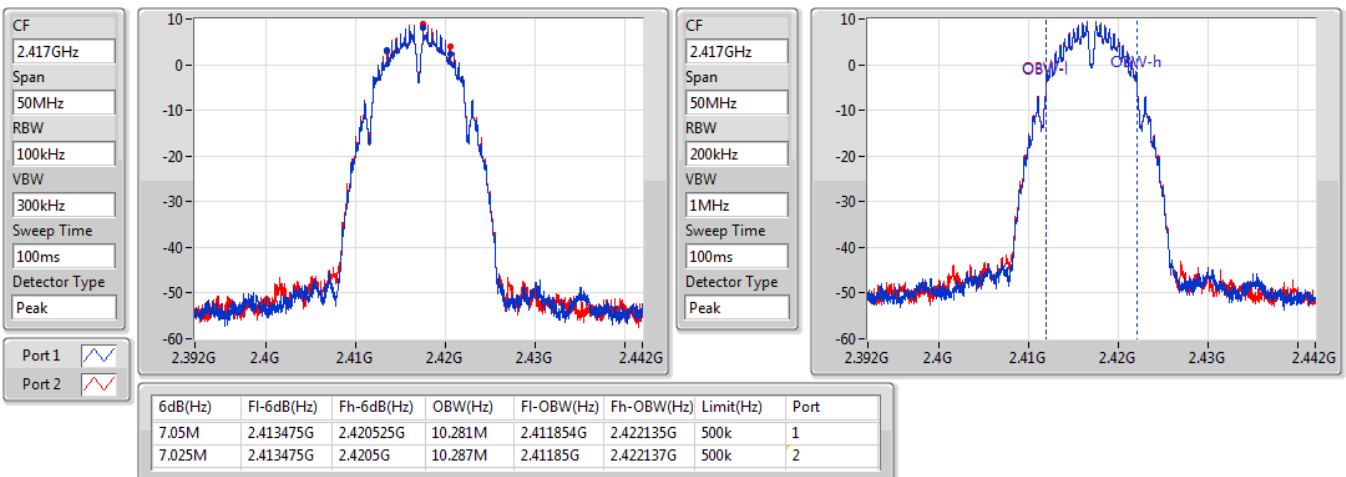
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX
EBW
2412MHz

17/02/2020

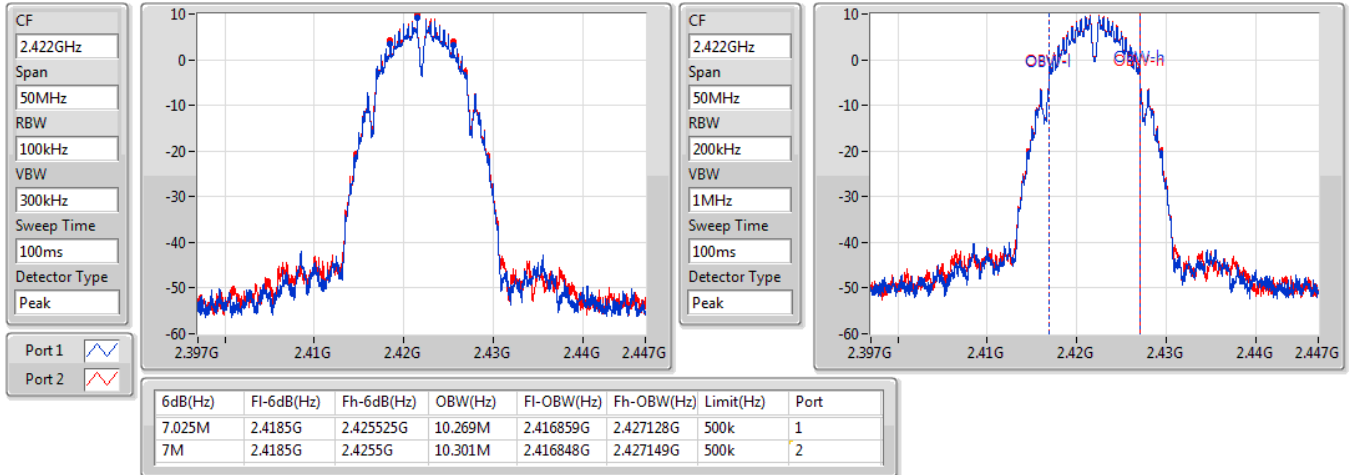

802.11b_Nss1,(1Mbps)_2TX
EBW
2417MHz

27/02/2020

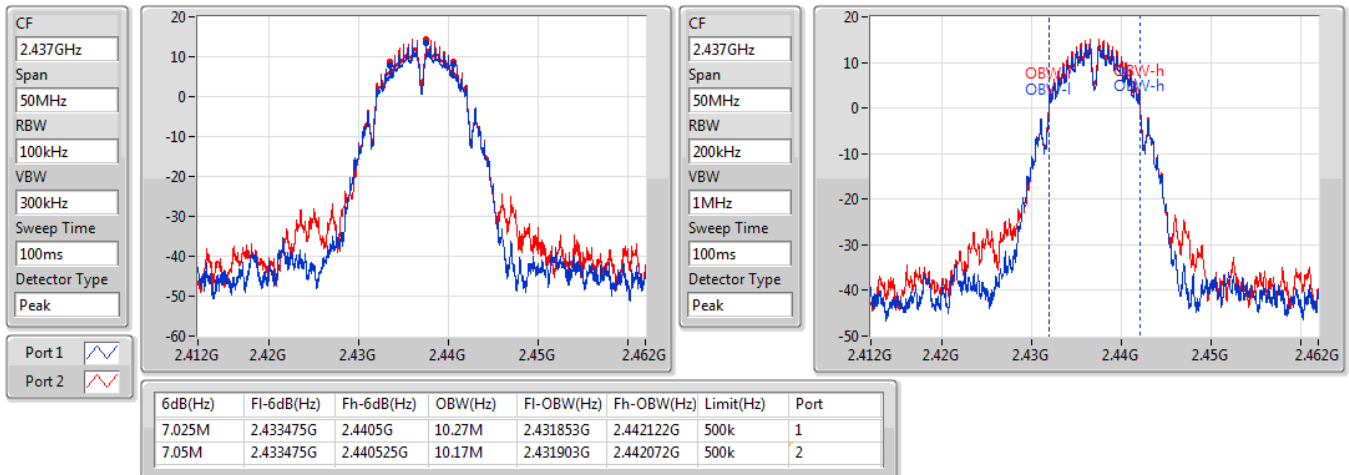


802.11b_Nss1,(1Mbps)_2TX
EBW
2422MHz

27/02/2020

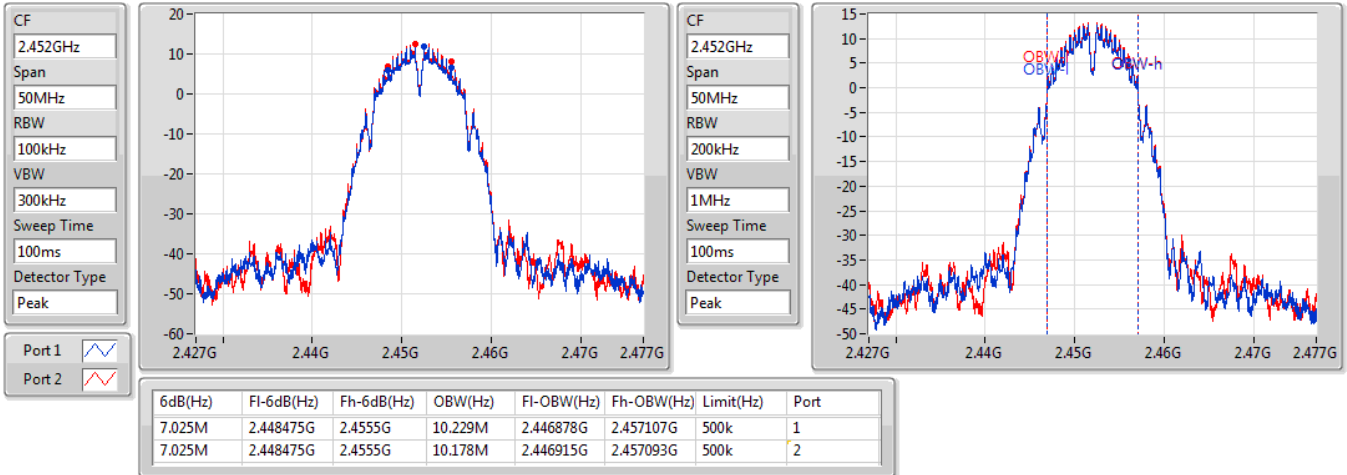

802.11b_Nss1,(1Mbps)_2TX
EBW
2437MHz

17/02/2020

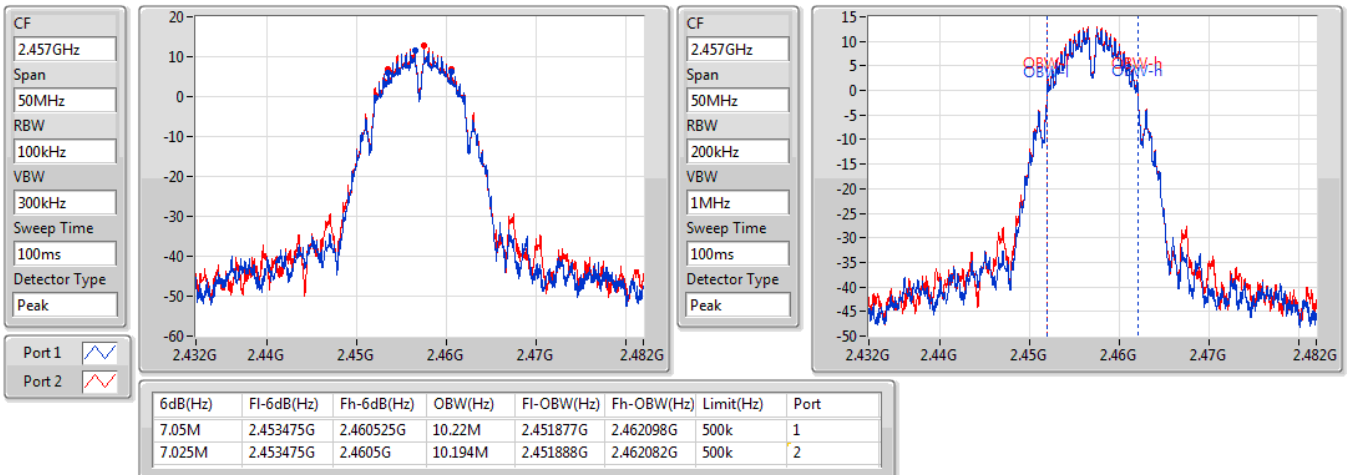


802.11b_Nss1,(1Mbps)_2TX
EBW
2452MHz

27/02/2020


802.11b_Nss1,(1Mbps)_2TX
EBW
2457MHz

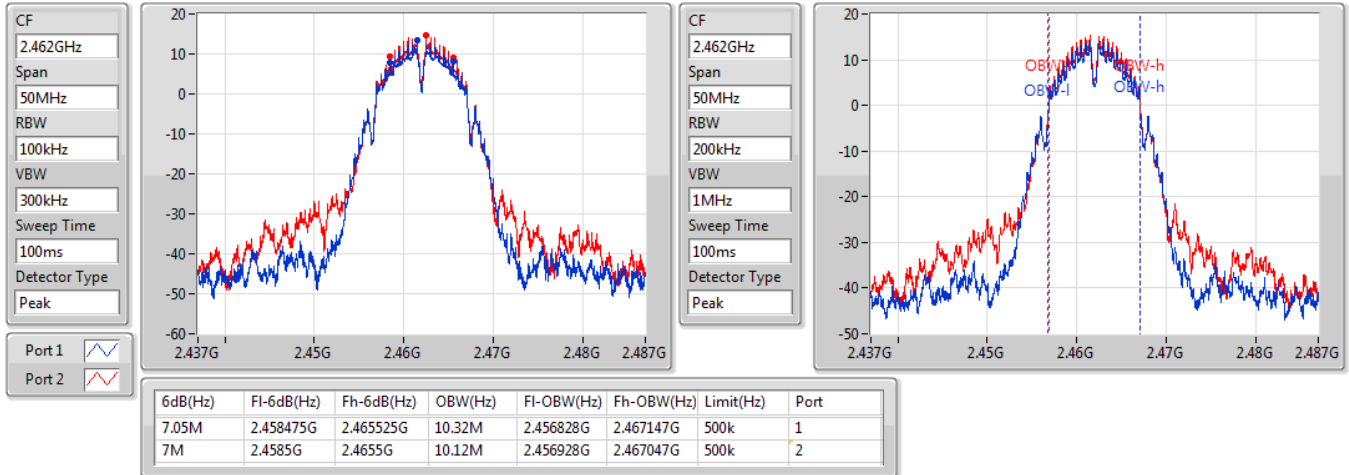
27/02/2020



802.11b_Nss1,(1Mbps)_2TX

EBW
2462MHz

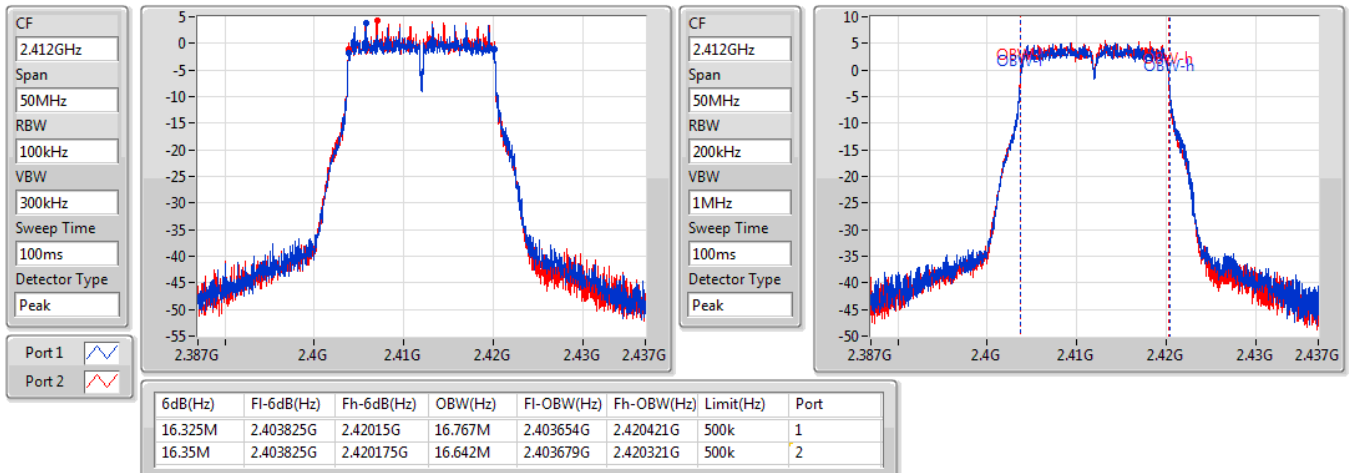
17/02/2020



802.11g_Nss1,(6Mbps)_2TX

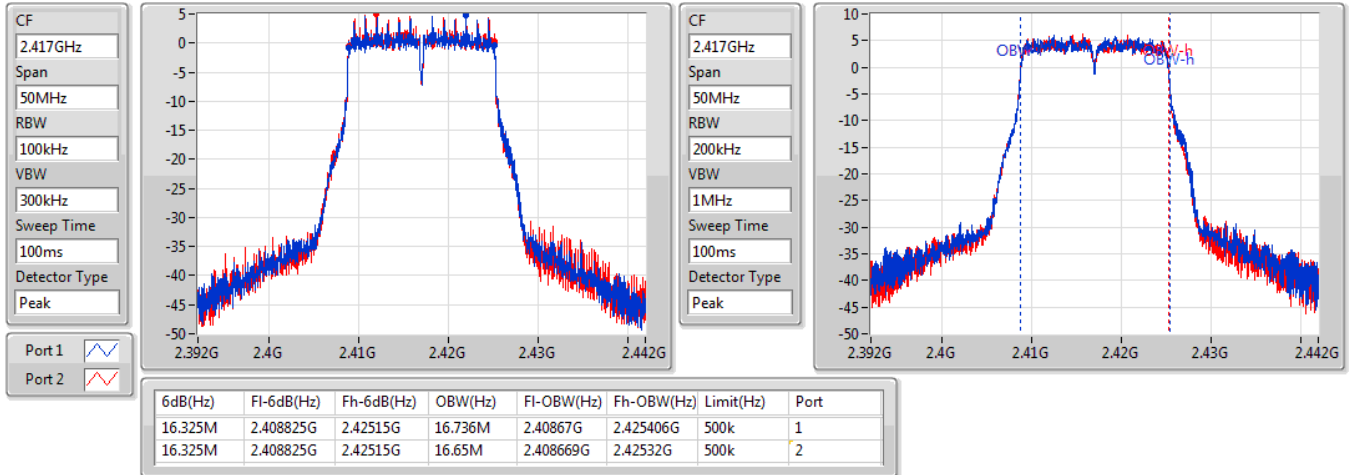
EBW
2412MHz

17/02/2020

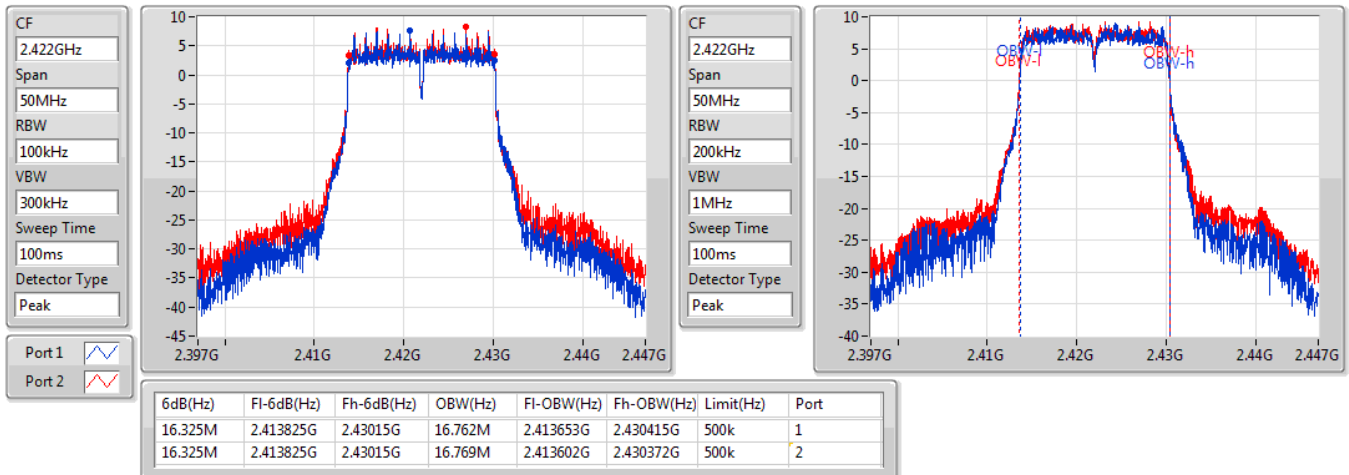


802.11g_Nss1,(6Mbps)_2TX
EBW
2417MHz

27/02/2020

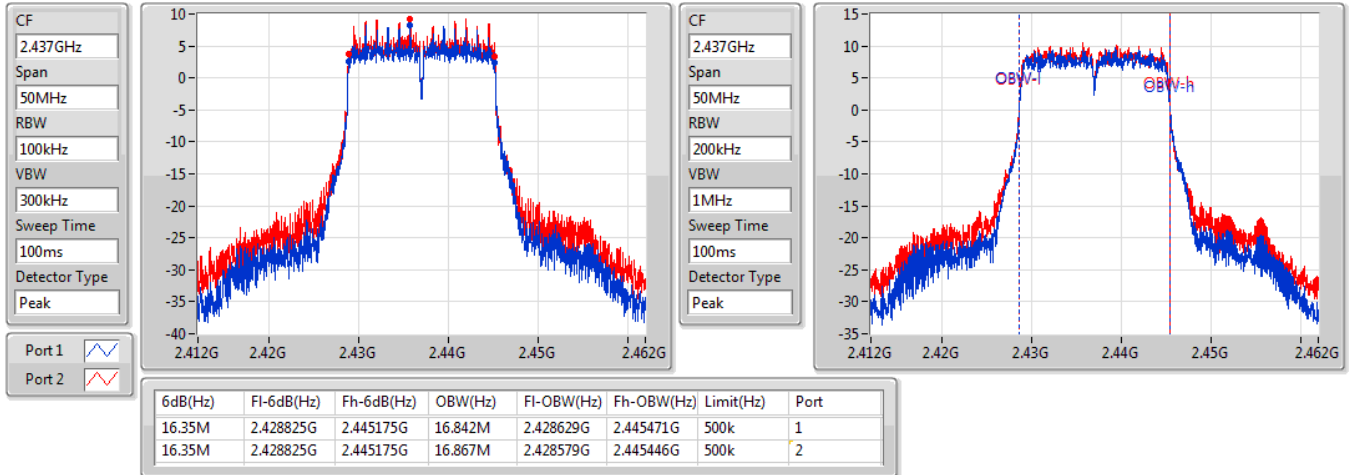

802.11g_Nss1,(6Mbps)_2TX
EBW
2422MHz

27/02/2020

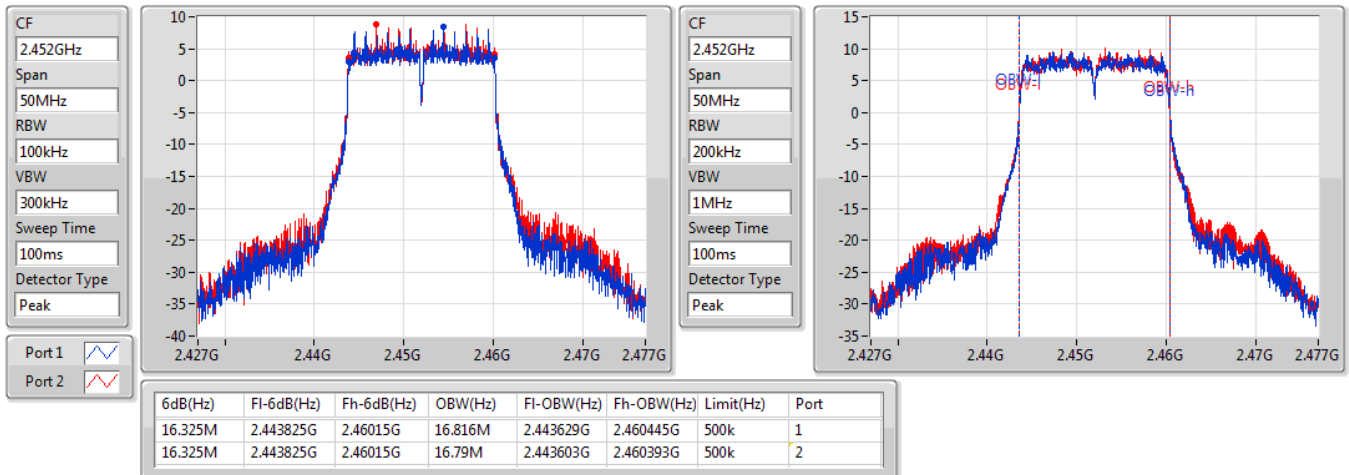


802.11g_Nss1,(6Mbps)_2TX
EBW
2437MHz

17/02/2020

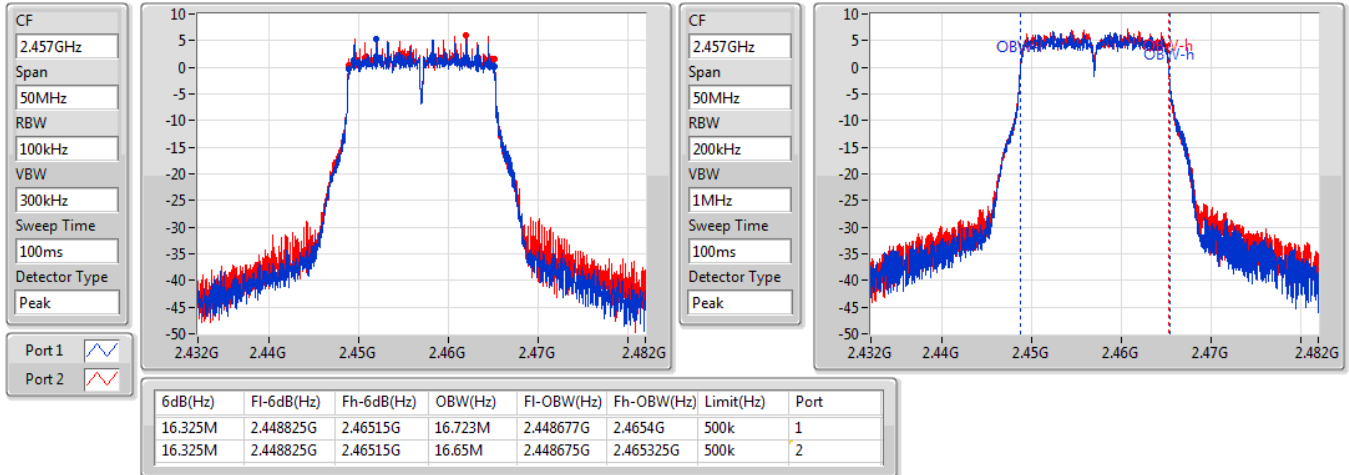

802.11g_Nss1,(6Mbps)_2TX
EBW
2452MHz

27/02/2020

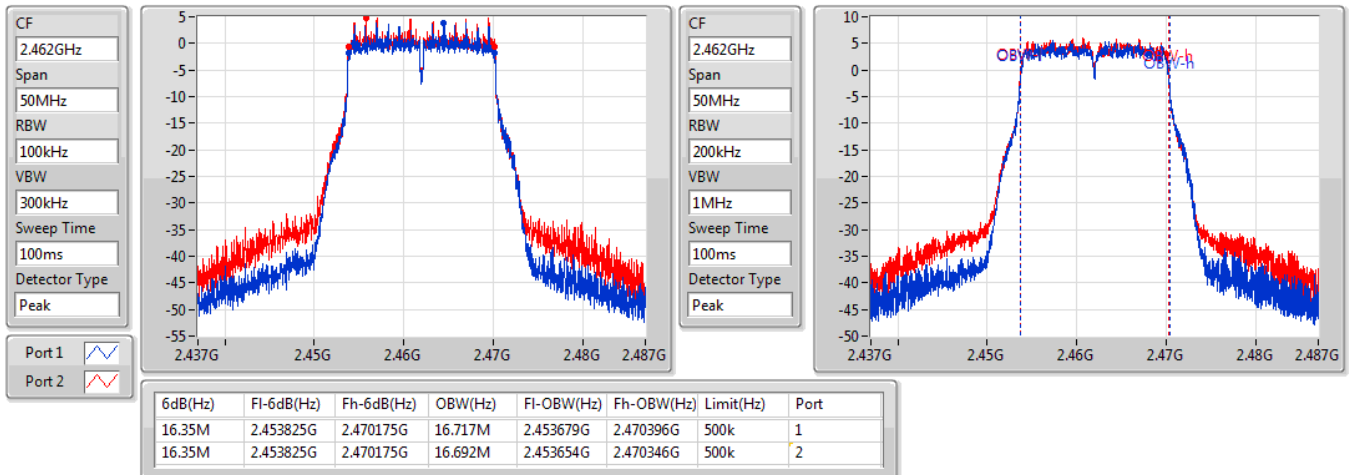


802.11g_Nss1,(6Mbps)_2TX
2457MHz

27/02/2020

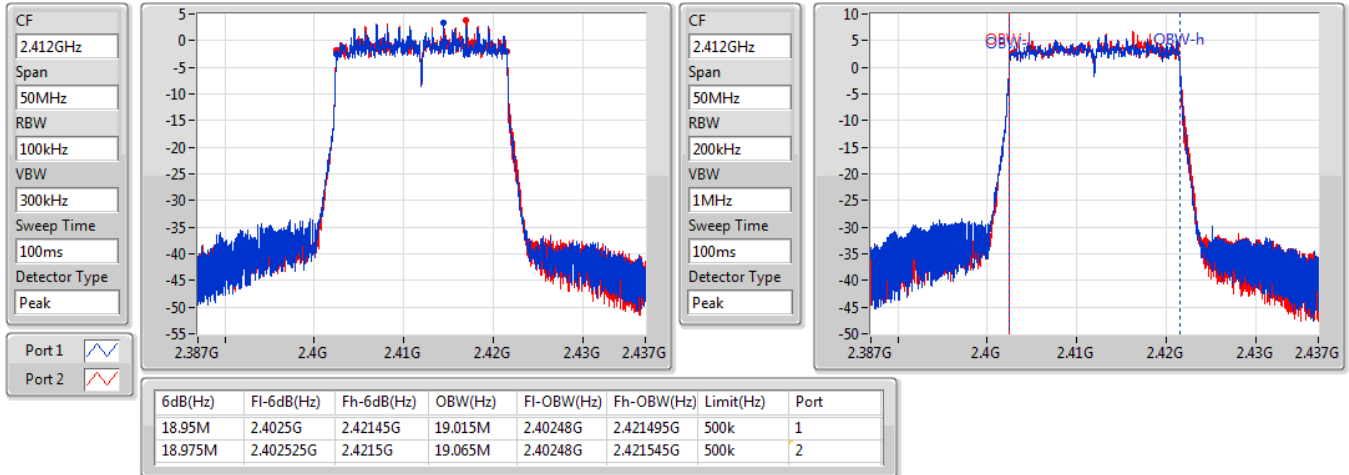

802.11g_Nss1,(6Mbps)_2TX
2462MHz

17/02/2020

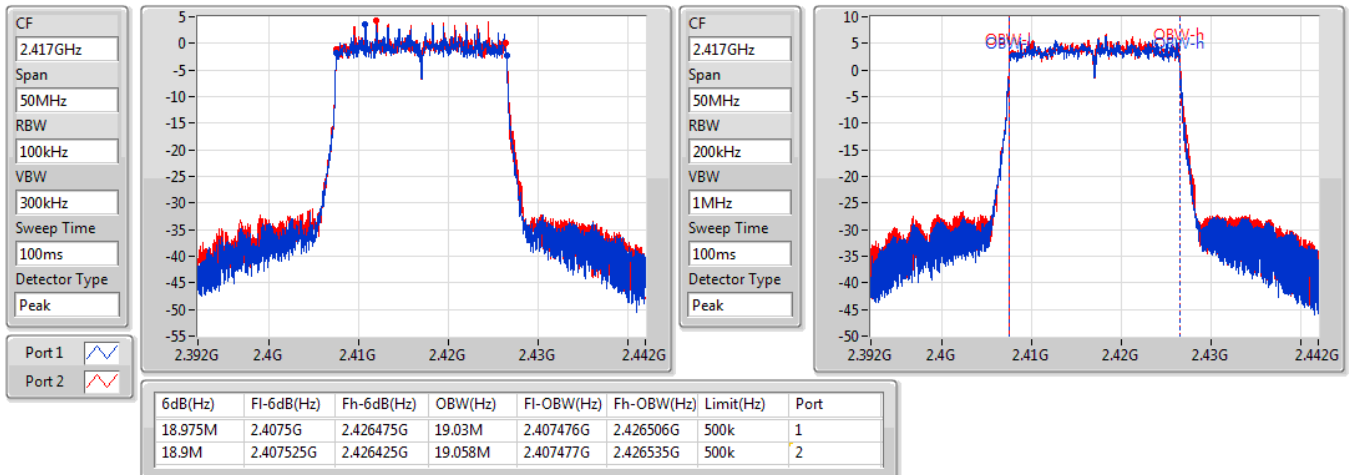


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2412MHz

17/02/2020

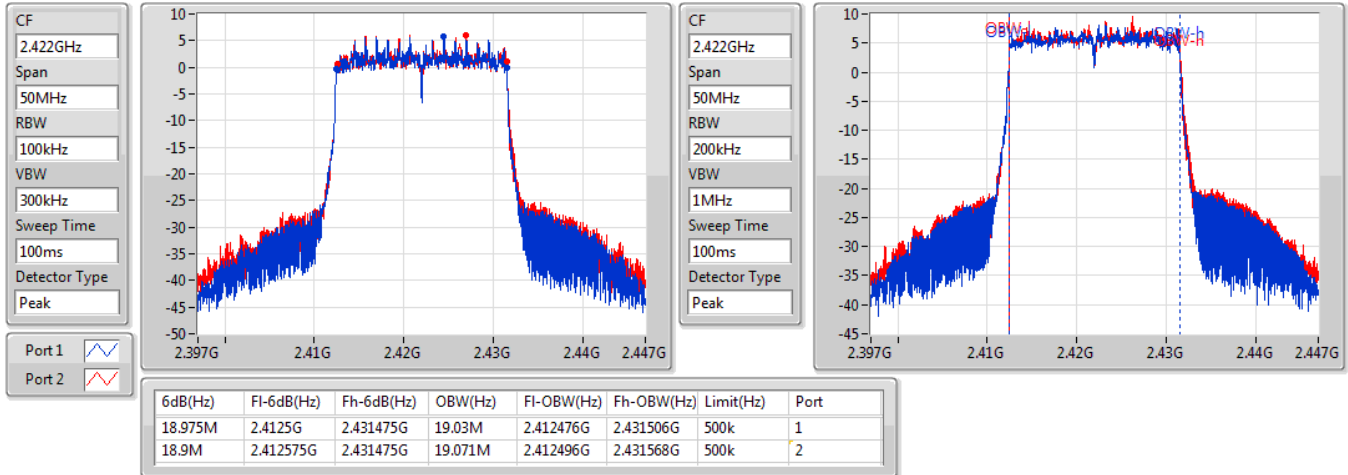

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2417MHz

27/02/2020

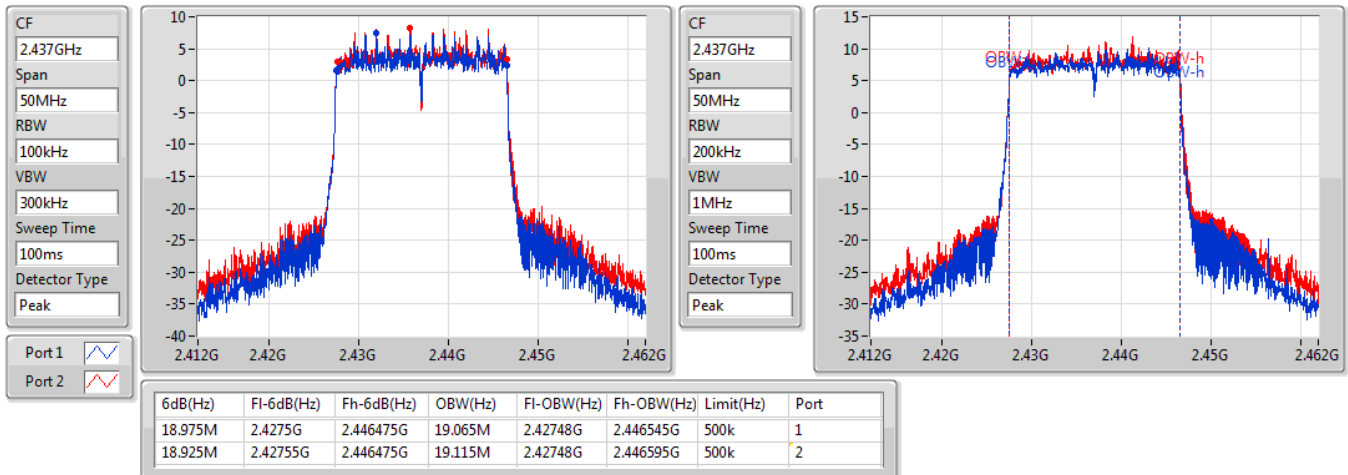


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2422MHz

27/02/2020

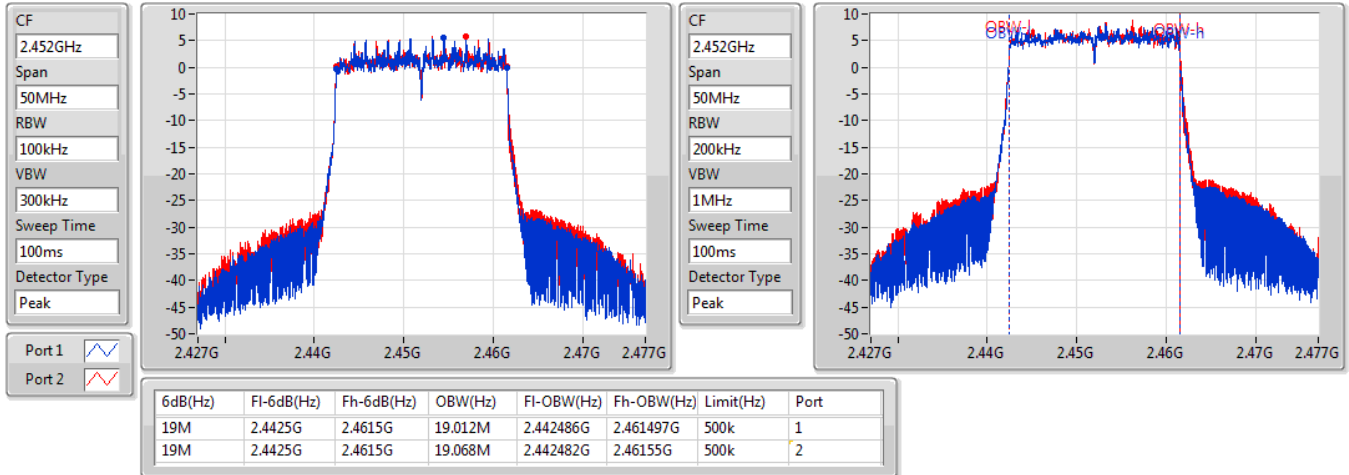

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

17/02/2020

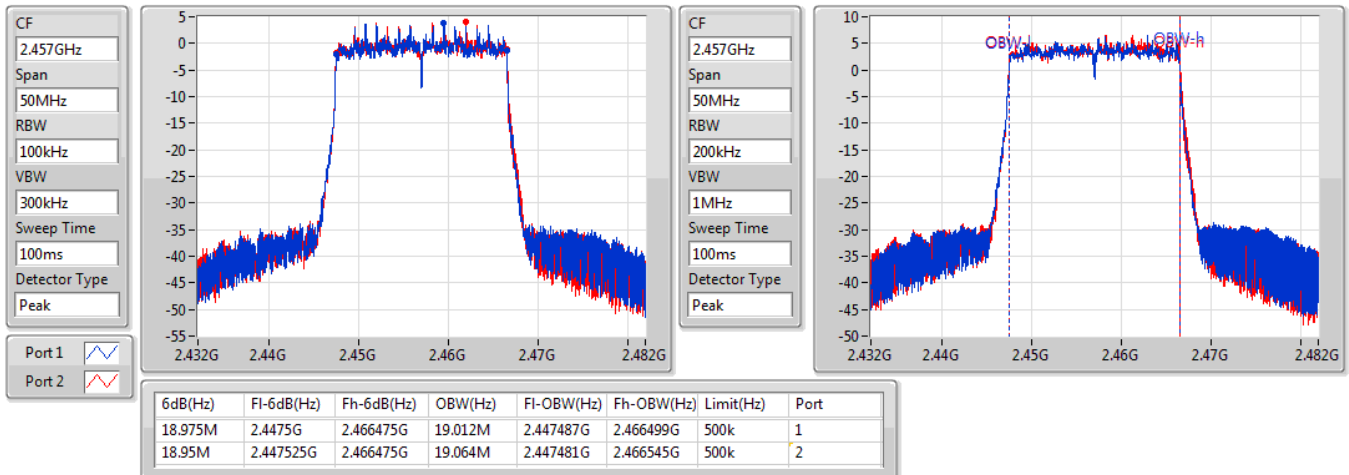


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2452MHz

27/02/2020

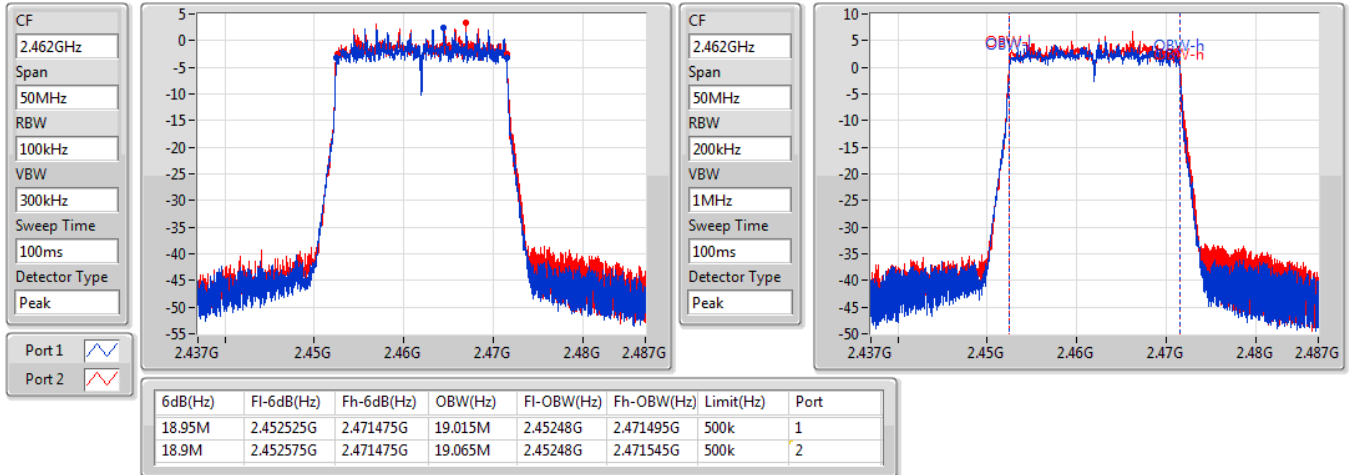

802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2457MHz

27/02/2020

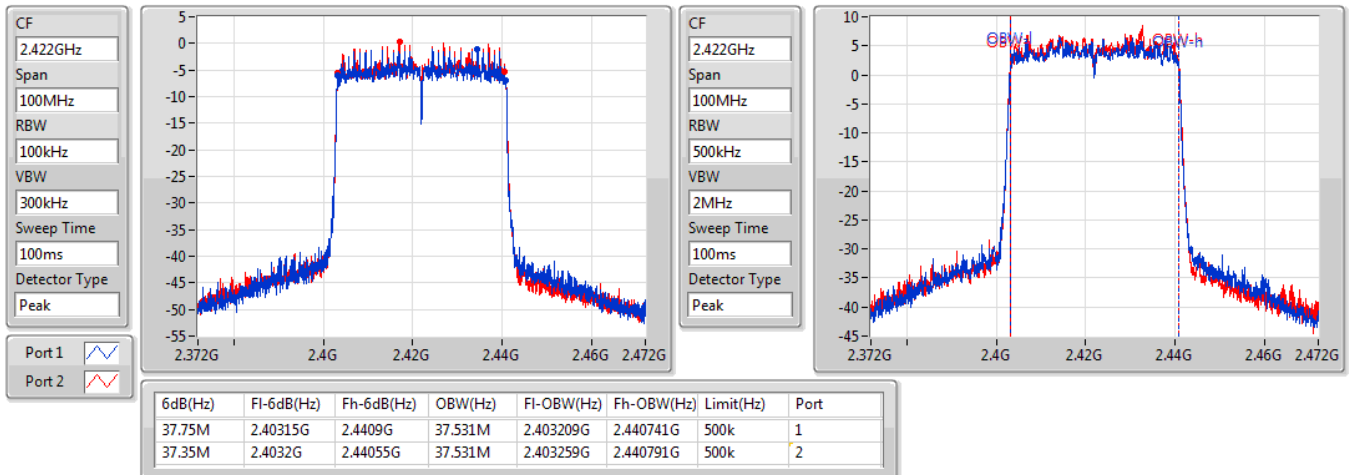


802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
2462MHz

17/02/2020

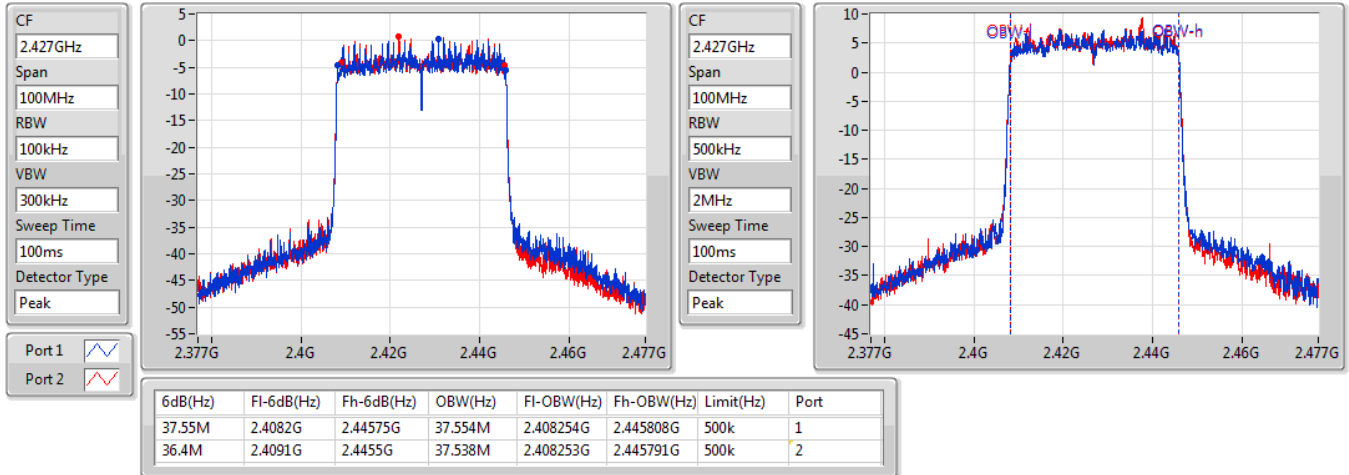

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2422MHz

17/02/2020

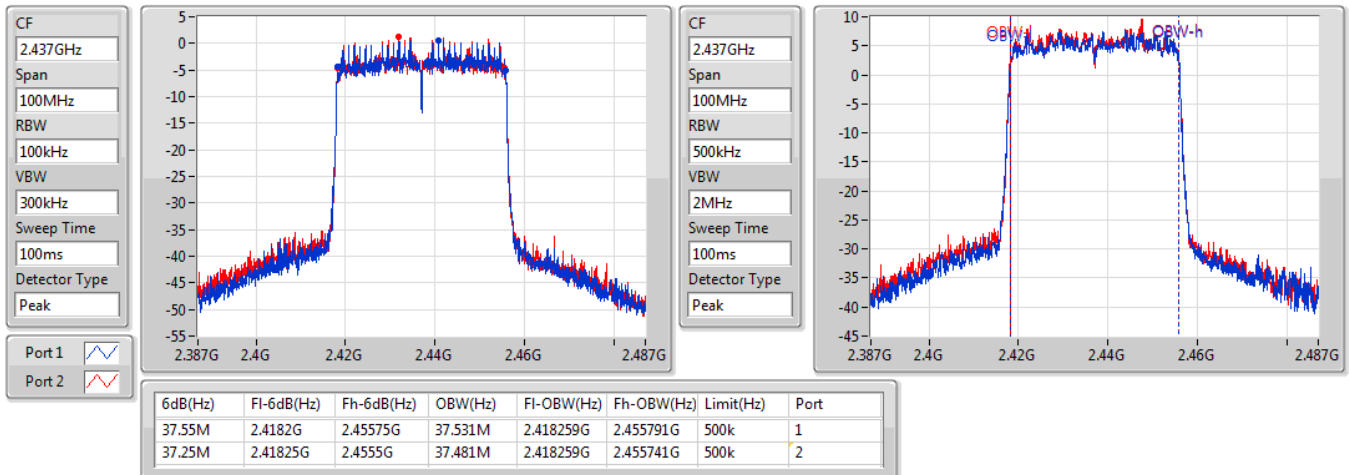


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2427MHz

27/02/2020

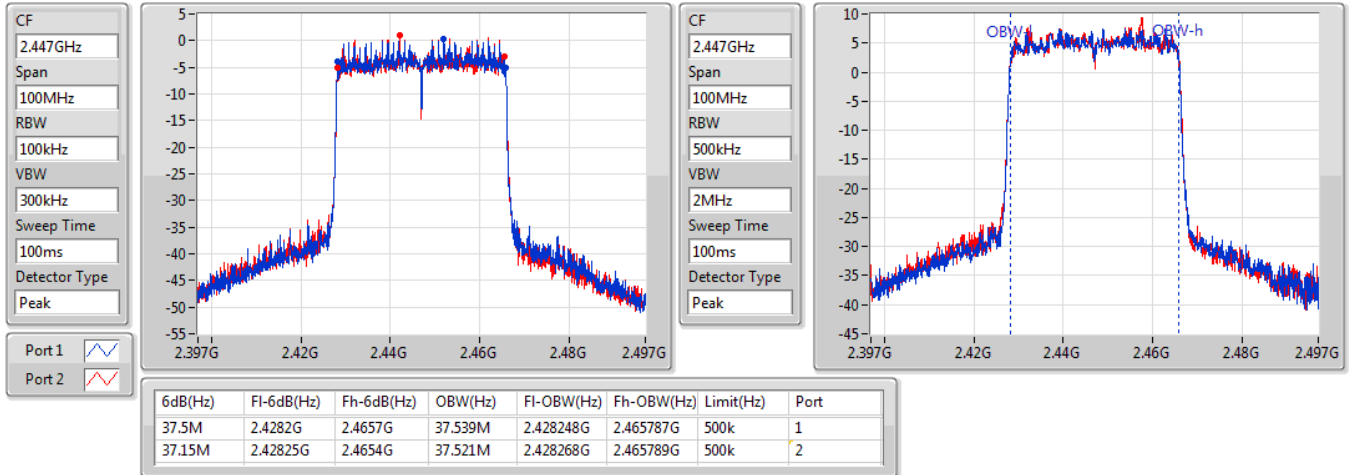

802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2437MHz

17/02/2020

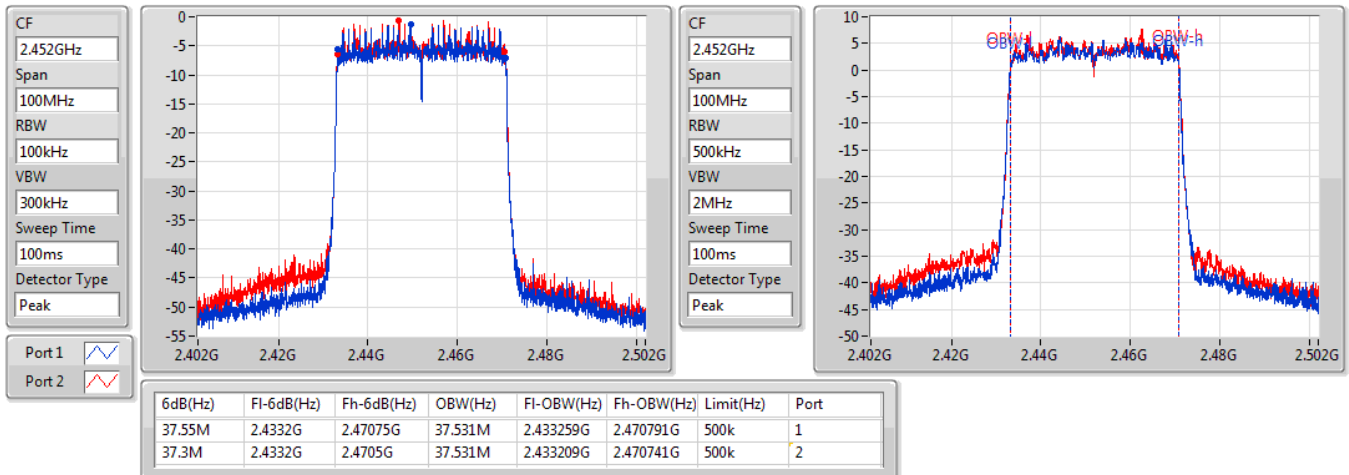


802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
2447MHz

27/02/2020


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

17/02/2020





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.21	0.33189
802.11g_Nss1,(6Mbps)_2TX	23.32	0.21478
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.61	0.18239
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.20	0.06607

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	21.56	22.76	25.21	30.00
2417MHz	Pass	2.86	16.31	16.51	19.42	30.00
2422MHz	Pass	2.86	16.67	16.89	19.79	30.00
2437MHz	Pass	2.86	20.92	22.07	24.54	30.00
2452MHz	Pass	2.86	19.61	19.97	22.80	30.00
2457MHz	Pass	2.86	19.44	19.67	22.57	30.00
2462MHz	Pass	2.86	20.68	22.00	24.40	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.86	15.36	15.68	18.53	30.00
2417MHz	Pass	2.86	16.34	16.78	19.58	30.00
2422MHz	Pass	2.86	19.04	19.64	22.36	30.00
2437MHz	Pass	2.86	19.97	20.63	23.32	30.00
2452MHz	Pass	2.86	19.64	20.00	22.83	30.00
2457MHz	Pass	2.86	16.73	17.37	20.07	30.00
2462MHz	Pass	2.86	15.55	16.31	18.96	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.87	14.87	15.29	18.10	30.00
2417MHz	Pass	5.87	15.58	16.03	18.82	30.00
2422MHz	Pass	5.87	17.39	17.77	20.59	30.00
2437MHz	Pass	5.87	19.26	19.91	22.61	30.00
2452MHz	Pass	5.87	17.14	17.43	20.30	30.00
2457MHz	Pass	5.87	15.21	15.87	18.56	30.00
2462MHz	Pass	5.87	14.36	14.86	17.63	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.87	13.91	14.26	17.10	30.00
2427MHz	Pass	5.87	14.74	14.86	17.81	30.00
2437MHz	Pass	5.87	14.99	15.38	18.20	30.00
2447MHz	Pass	5.87	14.58	14.89	17.75	30.00
2452MHz	Pass	5.87	13.13	13.69	16.43	30.00

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	2.33
802.11g_Nss1,(6Mbps)_2TX	-1.79
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-2.56
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-10.69

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	5.87	-0.53	1.74	2.33	8.00
2417MHz	Pass	5.87	-4.91	-5.21	-3.75	8.00
2422MHz	Pass	5.87	-4.98	-5.69	-3.14	8.00
2437MHz	Pass	5.87	-1.82	-0.65	0.72	8.00
2452MHz	Pass	5.87	-1.99	-0.71	0.10	8.00
2457MHz	Pass	5.87	-1.15	-2.31	-0.32	8.00
2462MHz	Pass	5.87	0.06	-0.14	1.73	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.87	-10.40	-8.68	-7.41	8.00
2417MHz	Pass	5.87	-9.48	-9.05	-6.27	8.00
2422MHz	Pass	5.87	-6.53	-4.71	-3.20	8.00
2437MHz	Pass	5.87	-6.05	-3.95	-2.85	8.00
2452MHz	Pass	5.87	-5.40	-4.28	-1.79	8.00
2457MHz	Pass	5.87	-8.74	-7.37	-5.43	8.00
2462MHz	Pass	5.87	-10.06	-9.67	-7.14	8.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.87	-11.74	-9.11	-8.71	8.00
2417MHz	Pass	5.87	-9.41	-8.34	-5.83	8.00
2422MHz	Pass	5.87	-8.37	-6.54	-4.36	8.00
2437MHz	Pass	5.87	-6.09	-5.10	-2.56	8.00
2452MHz	Pass	5.87	-7.80	-6.84	-4.28	8.00
2457MHz	Pass	5.87	-9.55	-10.01	-6.83	8.00
2462MHz	Pass	5.87	-10.64	-9.62	-7.09	8.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.87	-14.88	-15.52	-12.42	8.00
2427MHz	Pass	5.87	-14.56	-14.19	-11.38	8.00
2437MHz	Pass	5.87	-13.83	-13.58	-10.69	8.00
2447MHz	Pass	5.87	-14.90	-14.17	-11.51	8.00
2452MHz	Pass	5.87	-16.52	-15.31	-12.89	8.00

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

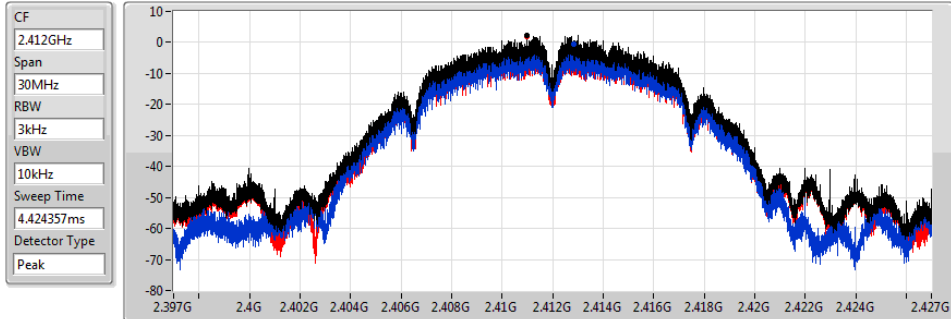
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX

PSD

2412MHz

17/02/2020



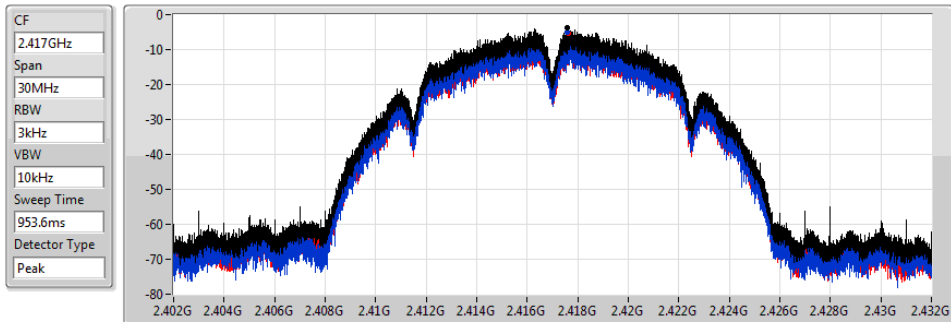
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.33	2.33	-0.53	1.74

802.11b_Nss1,(1Mbps)_2TX

PSD

2417MHz

27/02/2020



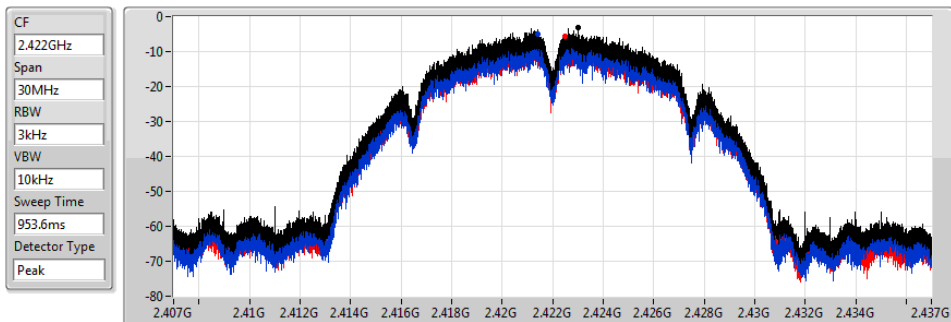
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.75	-3.75	-4.91	-5.21

802.11b_Nss1,(1Mbps)_2TX

PSD

2422MHz

27/02/2020



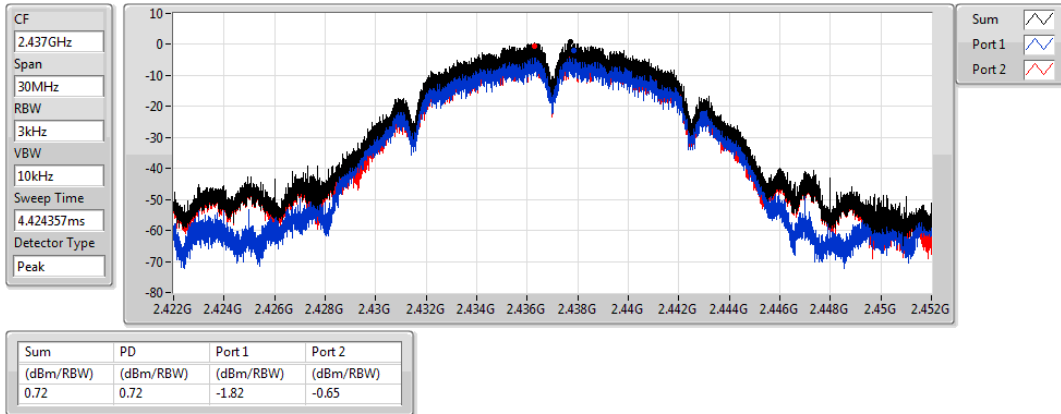
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.14	-3.14	-4.98	-5.69

802.11b_Nss1,(1Mbps)_2TX

PSD

2437MHz

17/02/2020

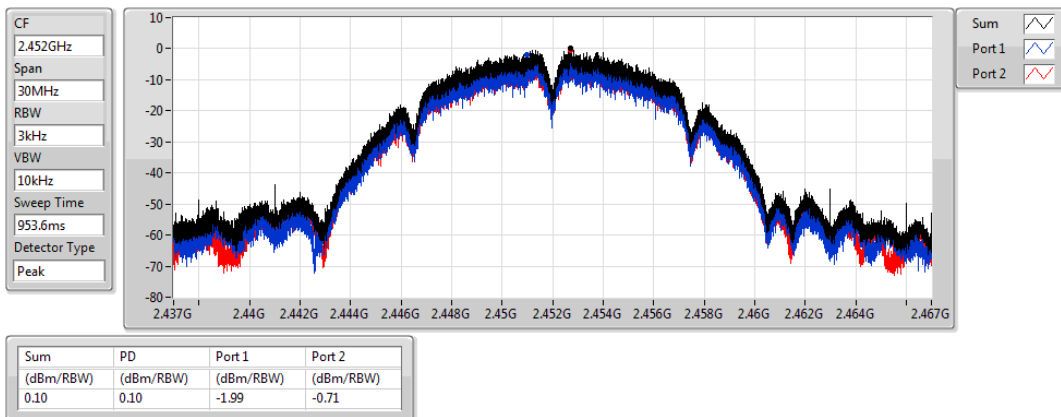


802.11b_Nss1,(1Mbps)_2TX

PSD

2452MHz

27/02/2020

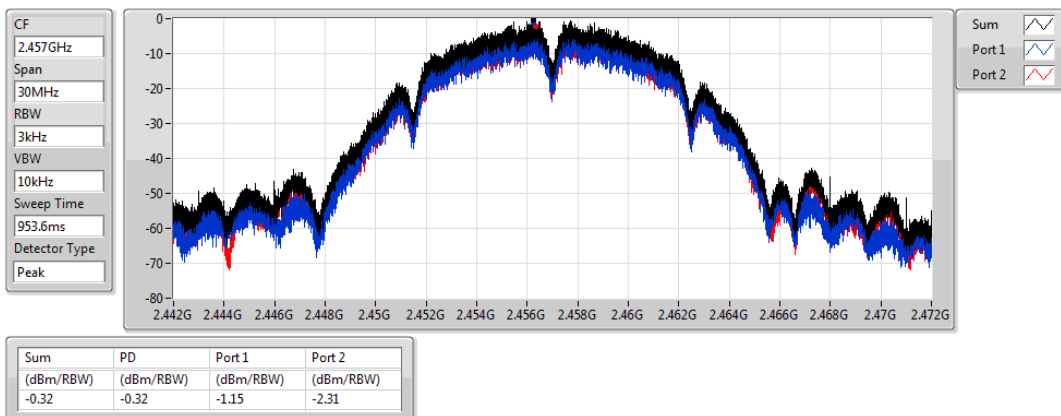


802.11b_Nss1,(1Mbps)_2TX

PSD

2457MHz

27/02/2020

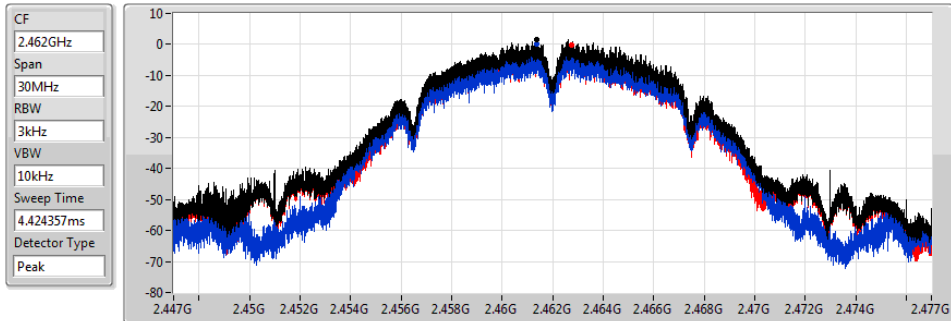


802.11b_Nss1,(1Mbps)_2TX

2462MHz

PSD

17/02/2020



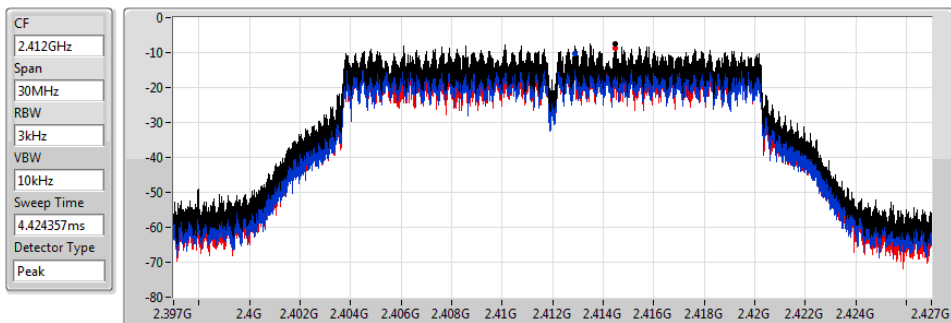
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.73	1.73	0.06	-0.14

802.11g_Nss1,(6Mbps)_2TX

2412MHz

PSD

17/02/2020



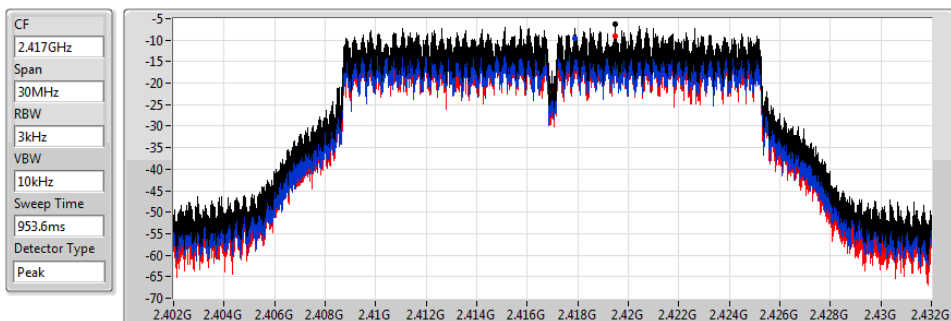
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.41	-7.41	-10.40	-8.68

802.11g_Nss1,(6Mbps)_2TX

2417MHz

PSD

27/02/2020



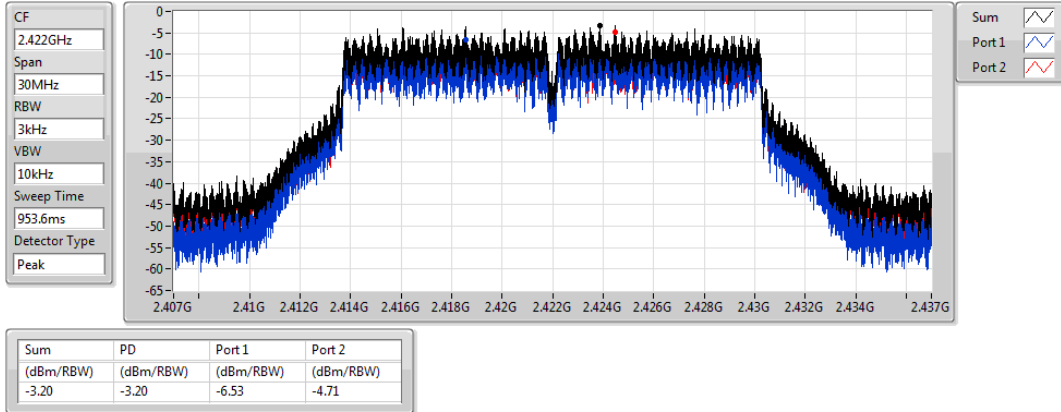
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.27	-6.27	-9.48	-9.05

802.11g_Nss1,(6Mbps)_2TX

PSD

2422MHz

27/02/2020

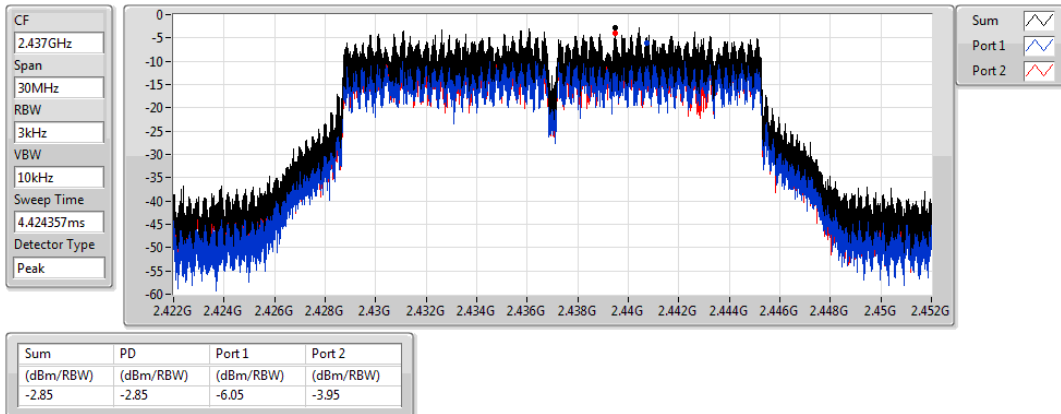


802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

17/02/2020

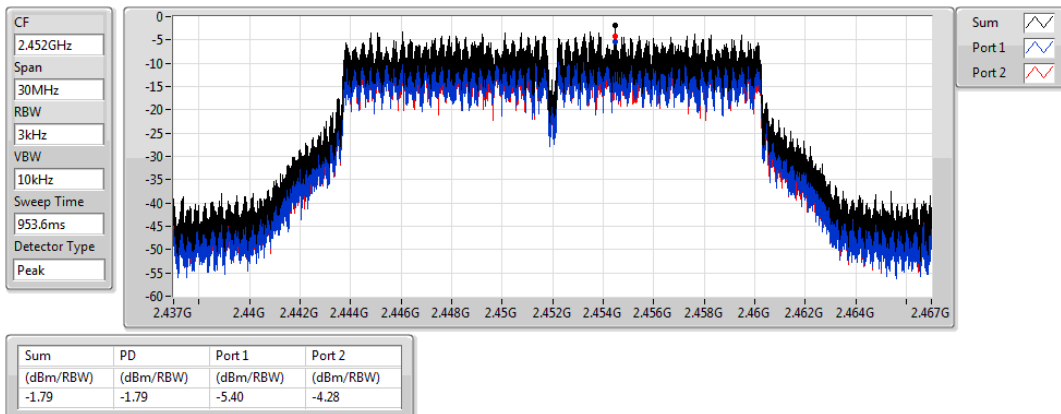


802.11g_Nss1,(6Mbps)_2TX

PSD

2452MHz

27/02/2020

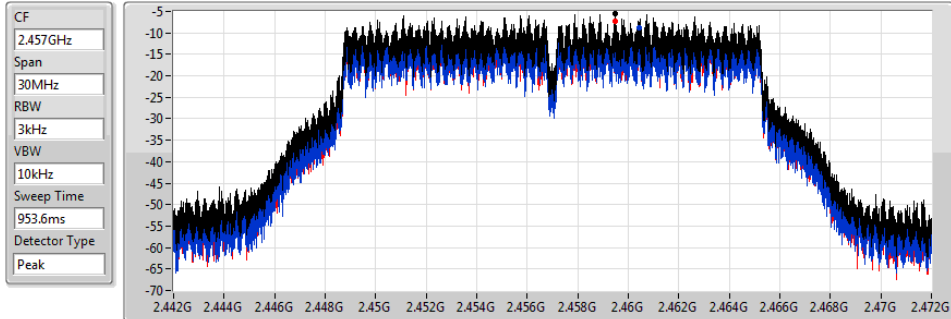


802.11g_Nss1,(6Mbps)_2TX

PSD

2457MHz

27/02/2020



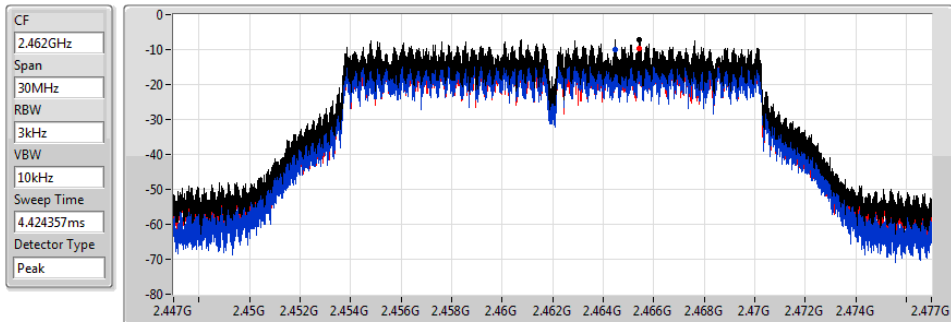
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-5.43	-5.43	-8.74	-7.37

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

17/02/2020



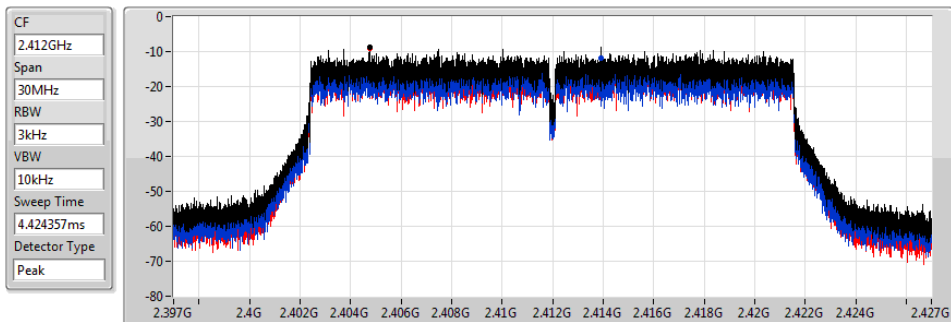
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.14	-7.14	-10.06	-9.67

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2412MHz

17/02/2020



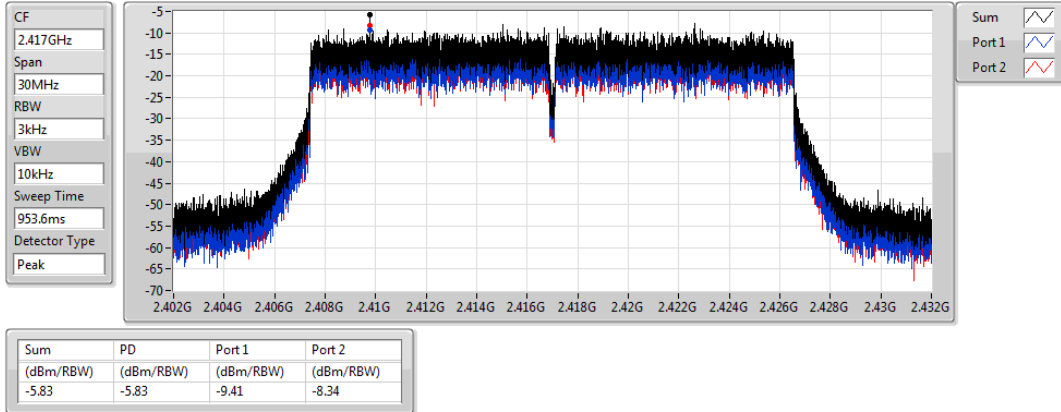
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.71	-8.71	-11.74	-9.11

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2417MHz

27/02/2020

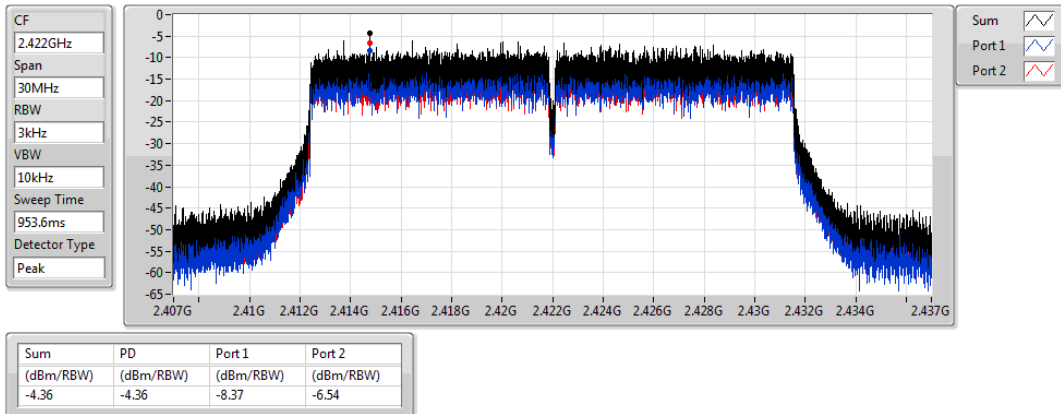


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

27/02/2020

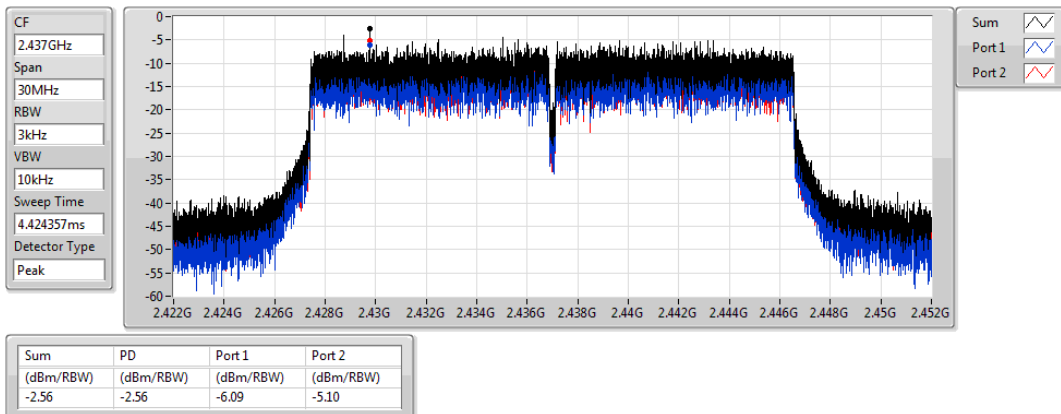


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

17/02/2020

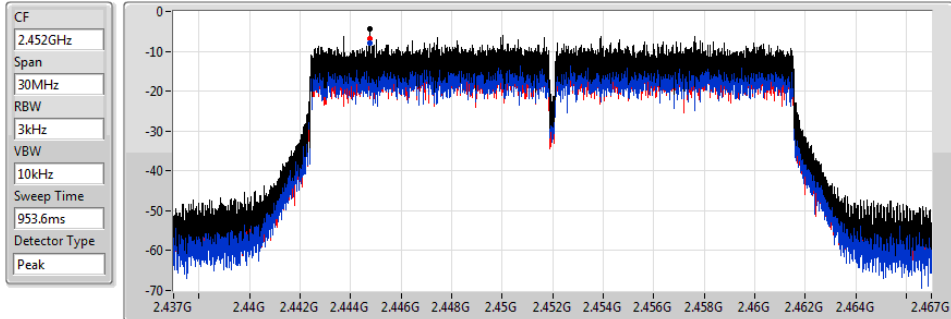


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

27/02/2020



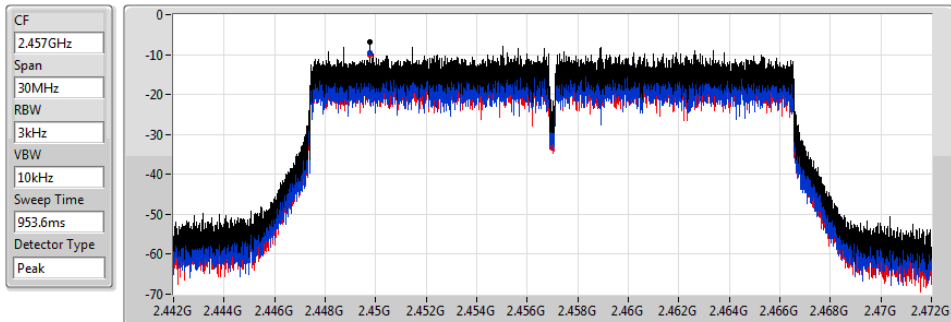
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.28	-4.28	-7.80	-6.84

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2457MHz

27/02/2020



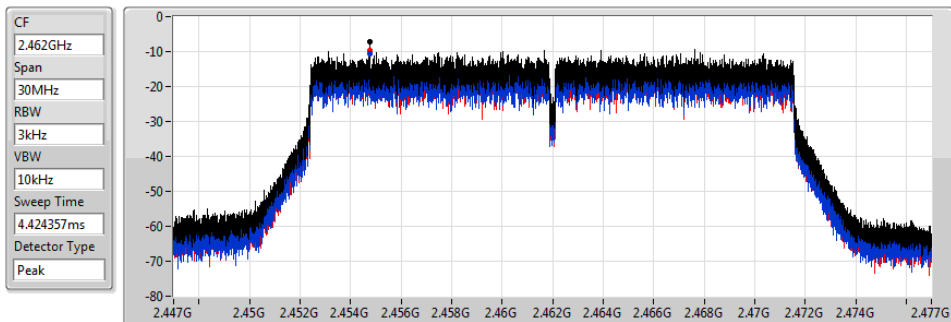
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-6.83	-6.83	-9.55	-10.01

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

17/02/2020



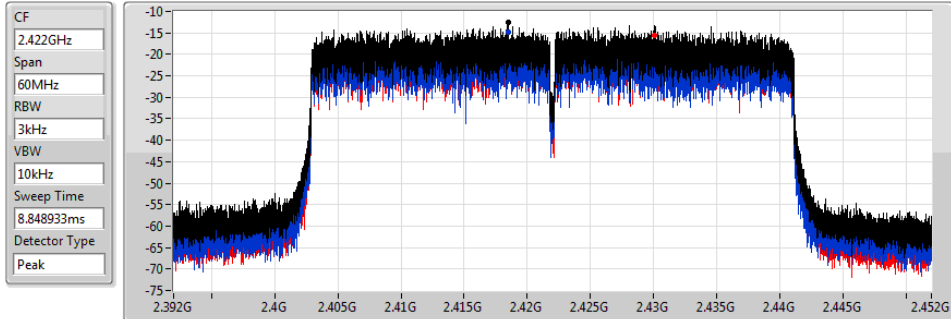
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-7.09	-7.09	-10.64	-9.62

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

17/02/2020



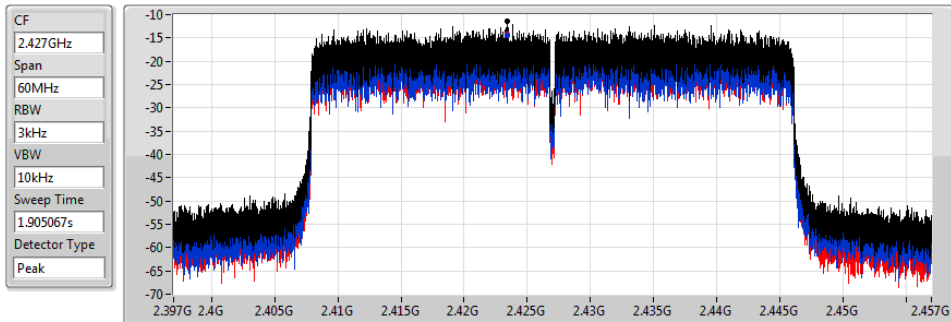
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-12.42	-12.42	-14.88	-15.52

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2427MHz

27/02/2020



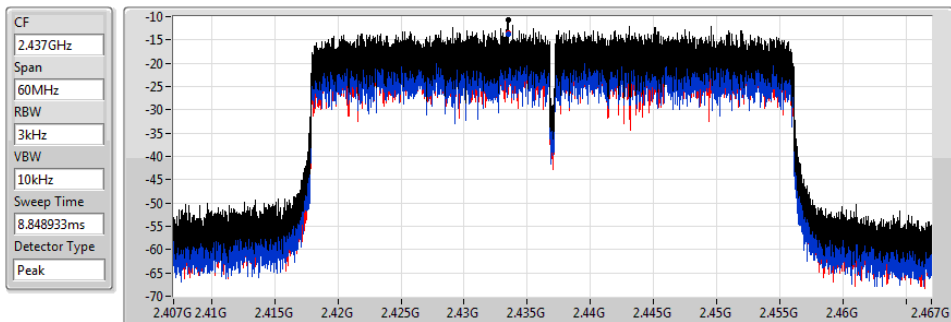
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-11.38	-11.38	-14.56	-14.19

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

17/02/2020



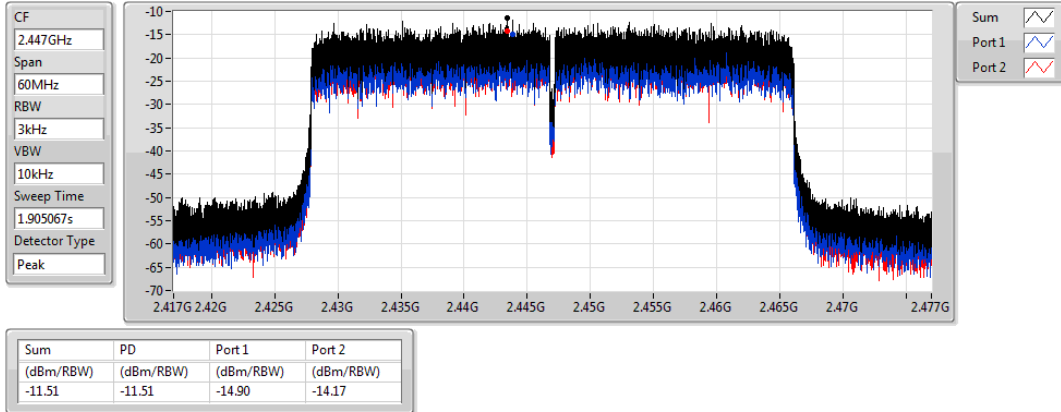
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.69	-10.69	-13.83	-13.58

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2447MHz

27/02/2020

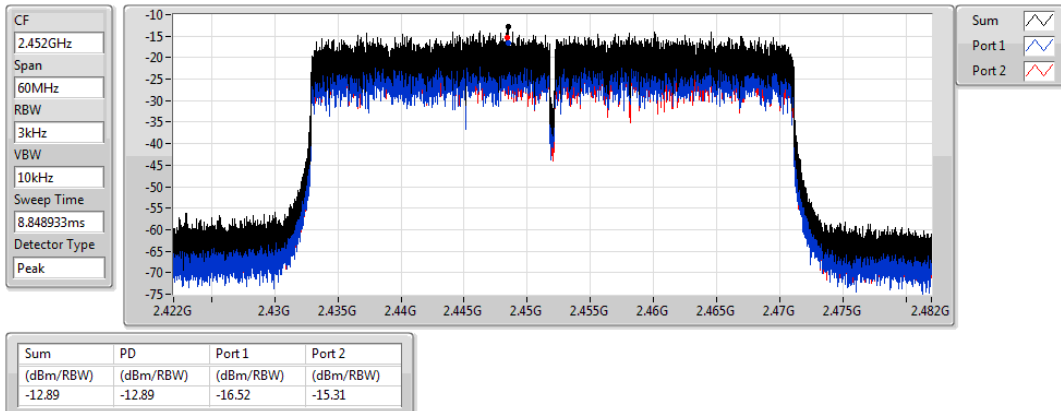


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

17/02/2020



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	2.41248G	15.64	-14.36	1.87303G	-52.4	2.4G	-27.77	2.4G	-27.82	2.48448G	-47.92	9.64855G	-39.38	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.42325G	7.40	-21.07	2.30029G	-54.58	2.39702G	-29.42	2.4G	-31.79	2.48758G	-48.15	24.85109G	-44.93	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.442G	8.26	-21.74	809.09M	-52.6	2.39986G	-33.18	2.4G	-40.1	2.48564G	-50.78	24.51395G	-45.32	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.42447G	0.23	-28.65	2.3097G	-55.70	2.3976G	-35.70	2.4G	-39.30	2.4845G	-47.83	24.92428G	-44.94	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	2.41248G	15.64	-14.36	904.04M	-52.31	2.3945G	-34.15	2.4G	-36.64	2.4888G	-49.62	7.23514G	-44.55	1
2412MHz	Pass	2.41248G	15.64	-14.36	1.87303G	-52.4	2.4G	-27.77	2.4G	-27.82	2.48448G	-47.92	9.64855G	-39.38	2
2417MHz	Pass	2.41799G	8.67	-14.36	2.30495G	-56.29	2.39846G	-51.62	2.4G	-51.66	2.51708G	-53.4	24.9129G	-44.86	1
2417MHz	Pass	2.41649G	9.11	-14.36	2.30379G	-56.17	2.39796G	-48.8	2.4G	-50.49	2.48476G	-52.92	24.98595G	-44.33	2
2422MHz	Pass	2.4225G	8.83	-14.36	2.14943G	-56.00	2.39802G	-51.70	2.4G	-51.99	2.50286G	-53.22	24.82862G	-44.33	1
2422MHz	Pass	2.4215G	9.01	-14.36	2.0105G	-56.10	2.39918G	-50.03	2.4G	-52.64	2.49852G	-52.92	24.88762G	-44.32	2
2437MHz	Pass	2.41248G	15.64	-14.36	844.04M	-52.47	2.39464G	-44.91	2.4G	-48.61	2.48404G	-46.33	9.74689G	-45.47	1
2437MHz	Pass	2.41248G	15.64	-14.36	226.89M	-53.05	2.39646G	-44.24	2.4G	-45.28	2.48402G	-44.52	9.74689G	-37.28	2
2452MHz	Pass	2.45298G	11.86	-14.36	2.30262G	-55.34	2.39434G	-50.95	2.4835G	-46.04	2.48366G	-46.40	24.48304G	-44.50	1
2452MHz	Pass	2.45248G	13.11	-14.36	2.30146G	-56.02	2.39038G	-51.29	2.4835G	-50.18	2.48566G	-47.48	9.8087G	-37.62	2
2457MHz	Pass	2.45649G	11.62	-14.36	2.30903G	-56.02	2.3988G	-51.46	2.4835G	-49.52	2.48596G	-45.49	24.74714G	-44.59	1
2457MHz	Pass	2.45649G	12.58	-14.36	2.15554G	-56.25	2.39828G	-51.51	2.4835G	-45.16	2.48544G	-44.83	9.82836G	-38.92	2
2462MHz	Pass	2.41248G	15.64	-14.36	2.13341G	-52.62	2.39694G	-49.43	2.4835G	-48.33	2.48446G	-40.64	9.84803G	-44.91	1
2462MHz	Pass	2.41248G	15.64	-14.36	2.30204G	-52.33	2.39622G	-47.78	2.4835G	-43.48	2.48546G	-39.94	9.84803G	-36.5	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44446G	8.93	-21.07	933.46M	-52.19	2.3996G	-36.57	2.4G	-39.1	2.51256G	-50.86	15.27329G	-46.38	1
2412MHz	Pass	2.44446G	8.93	-21.07	196.3M	-52.81	2.39978G	-37.13	2.4G	-38.68	2.48784G	-50.86	16.20888G	-46.08	2
2417MHz	Pass	2.41198G	3.44	-21.07	2.187G	-55.42	2.39952G	-36.11	2.4G	-37.45	2.48582G	-52.80	24.48866G	-44.85	1
2417MHz	Pass	2.42075G	4.56	-21.07	1.96565G	-55.36	2.39946G	-36.25	2.4G	-39.81	2.4858G	-53.11	24.94381G	-45.02	2
2422MHz	Pass	2.42325G	6.71	-21.07	2.30845G	-54.95	2.39988G	-32.22	2.4G	-36.19	2.48388G	-50.70	24.84266G	-43.76	1
2422MHz	Pass	2.42325G	7.40	-21.07	2.30029G	-54.58	2.39702G	-29.42	2.4G	-31.79	2.48758G	-48.15	24.85109G	-44.93	2
2437MHz	Pass	2.44446G	8.93	-21.07	234.75M	-52.63	2.3957G	-41.11	2.4G	-41.87	2.49302G	-45.15	15.12439G	-46.58	1
2437MHz	Pass	2.44446G	8.93	-21.07	2.12846G	-52.53	2.39764G	-36.37	2.4G	-39.4	2.48578G	-41.44	15.26768G	-45.61	2
2452MHz	Pass	2.45448G	7.24	-21.07	2.04108G	-56.03	2.39916G	-47.35	2.4835G	-39.57	2.48574G	-39.64	24.80333G	-44.93	1
2452MHz	Pass	2.45448G	8.14	-21.07	2.18962G	-55.43	2.39788G	-47.23	2.4835G	-39.72	2.48668G	-36.47	24.82862G	-44.88	2
2457MHz	Pass	2.45198G	4.43	-21.07	2.30321G	-56.35	2.39512G	-52.20	2.4835G	-46.18	2.48354G	-43.72	24.87076G	-44.03	1
2457MHz	Pass	2.45949G	5.42	-21.07	2.30088G	-56.54	2.39876G	-51.89	2.4835G	-45.12	2.48384G	-41.15	24.83985G	-44.39	2
2462MHz	Pass	2.44446G	8.93	-21.07	1.65518G	-52.13	2.39968G	-50.64	2.4835G	-48.07	2.48484G	-44.16	16.76517G	-46.67	1
2462MHz	Pass	2.44446G	8.93	-21.07	598.52M	-52.37	2.3968G	-50.36	2.4835G	-43.02	2.48386G	-39.46	16.9506G	-46.76	2
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	8.26	-21.74	809.09M	-52.6	2.39986G	-33.18	2.4G	-40.1	2.48564G	-50.78	24.51395G	-45.32	1
2412MHz	Pass	2.442G	8.26	-21.74	2.02099G	-52.86	2.3994G	-35.94	2.4G	-40.35	2.48844G	-50.68	16.34093G	-45.95	2
2417MHz	Pass	2.4195G	3.96	-21.74	2.30903G	-55.34	2.39988G	-34.47	2.4G	-37.47	2.49236G	-53.28	24.87076G	-44.74	1
2417MHz	Pass	2.42196G	4.66	-21.74	2.30117G	-56.13	2.39964G	-34.17	2.4G	-38.12	2.49056G	-53.41	24.83985G	-44.08	2
2422MHz	Pass	2.42325G	5.30	-21.74	2.30379G	-55.38	2.39944G	-39.10	2.4G	-43.37	2.48486G	-52.23	24.84266G	-44.78	1
2422MHz	Pass	2.42697G	6.49	-21.74	2.30146G	-54.82	2.39816G	-36.15	2.4G	-35.83	2.48874G	-51.57	24.96348G	-44.17	2
2437MHz	Pass	2.442G	8.26	-21.74	2.06409G	-52.53	2.39496G	-40.22	2.4G	-43.71	2.48402G	-43.92	16.81855G	-46.65	1
2437MHz	Pass	2.442G	8.26	-21.74	2.0603G	-52.73	2.39258G	-37.85	2.4G	-40.39	2.4835G	-42.89	24.53642G	-46.25	2
2452MHz	Pass	2.44822G	5.45	-21.74	2.19544G	-56.06	2.39814G	-51.32	2.4835G	-50.24	2.48518G	-46.57	24.87638G	-44.90	1
2452MHz	Pass	2.44697G	6.36	-21.74	2.30117G	-56.27	2.39952G	-51.30	2.4835G	-47.16	2.48652G	-43.23	24.93538G	-44.87	2
2457MHz	Pass	2.45073G	4.33	-21.74	2.1503G	-55.65	2.39584G	-53.34	2.4835G	-49.98	2.48354G	-44.43	24.89324G	-44.32	1
2457MHz	Pass	2.45949G	4.32	-21.74	2.1768G	-55.13	2.39656G	-53.65	2.4835G	-50.90	2.48358G	-44.68	24.90447G	-44.56	2
2462MHz	Pass	2.442G	8.26	-21.74	890.94M	-51.82	2.3926G	-51.2	2.4835G	-45.16	2.48402G	-43.39	6.80527G	-45.46	1
2462MHz	Pass	2.442G	8.26	-21.74	950.06M	-52.66	2.39546G	-51.17	2.4835G	-43.33	2.4838G	-41.61	17.50409G	-46.89	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	1.35	-28.65	1.8517G	-52.96	2.3996G	-37.7	2.4G	-41.25	2.48642G	-49.85	16.91445G	-46.38	1
2422MHz	Pass	2.43198G	1.35	-28.65	933.12M	-52.34	2.3936G	-38.97	2.4G	-42.42	2.48554G	-50.28	16.3311G	-45.66	2



CSE(Non-restricted Band)

Appendix E

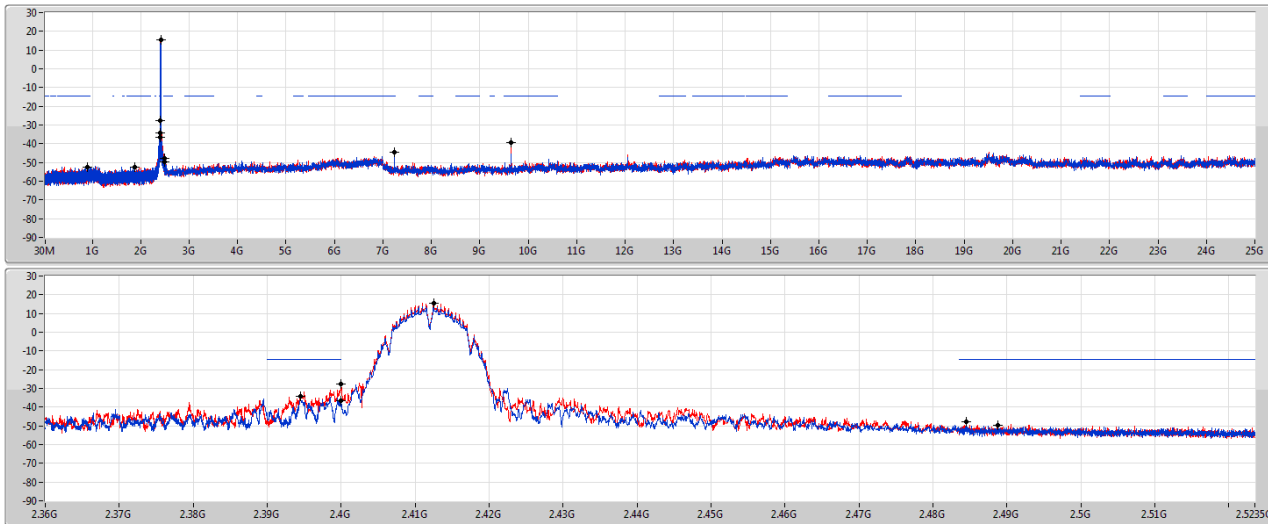
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2427MHz	Pass	2.43198G	-0.33	-28.65	2.16886G	-55.83	2.39624G	-37.70	2.4G	-39.03	2.48822G	-48.52	24.8794G	-45.10	1
2427MHz	Pass	2.42447G	0.23	-28.65	2.3097G	-55.70	2.3976G	-35.70	2.4G	-39.30	2.4845G	-47.83	24.92428G	-44.94	2
2437MHz	Pass	2.43198G	1.35	-28.65	2.14596G	-52.84	2.39976G	-42.05	2.4G	-44.79	2.49098G	-46.78	16.20489G	-46.6	1
2437MHz	Pass	2.43198G	1.35	-28.65	915.09M	-52.52	2.39864G	-39.68	2.4G	-42.3	2.48826G	-45.56	16.75739G	-46.66	2
2447MHz	Pass	2.46196G	-0.05	-28.65	2.3034G	-55.89	2.4G	-45.36	2.4835G	-42.19	2.48374G	-42.18	24.82612G	-45.13	1
2447MHz	Pass	2.442G	-0.02	-28.65	2.30655G	-55.42	2.3998G	-44.66	2.4G	-45.00	2.48426G	-41.75	24.81209G	-44.55	2
2452MHz	Pass	2.43198G	1.35	-28.65	2.13022G	-52.7	2.39972G	-49.72	2.4835G	-49.28	2.4845G	-44.97	16.27501G	-46.43	1
2452MHz	Pass	2.43198G	1.35	-28.65	2.17344G	-52.74	2.39504G	-48.62	2.4835G	-48.38	2.48446G	-44.96	14.4268G	-46.75	2

802.11b_Nss1,(1Mbps)_2TX

2412MHz

CSE NdB

17/02/2020



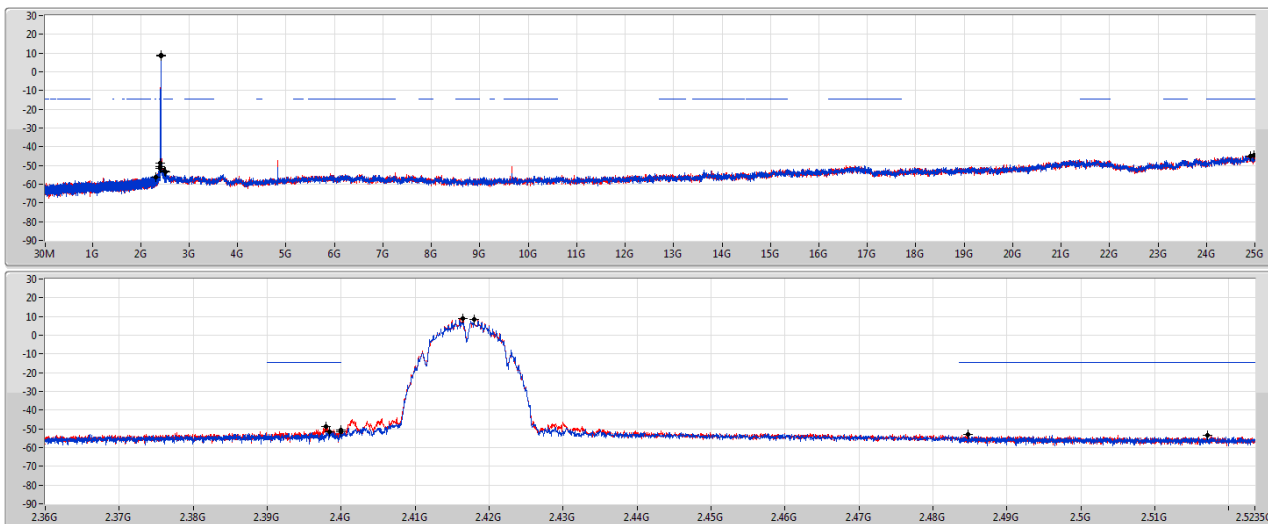
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2.41248G	15.64	-14.36	904.04M	-52.31	2.3945G	-34.15	2.4G	-36.64	2.4888G	-49.62	7.23514G	-44.55	1
2.41248G	15.64	-14.36	1.87303G	-52.40	2.4G	-27.77	2.4G	-27.82	2.48448G	-47.92	9.64855G	-39.38	2

802.11b_Nss1,(1Mbps)_2TX

2417MHz

CSE NdB

27/02/2020



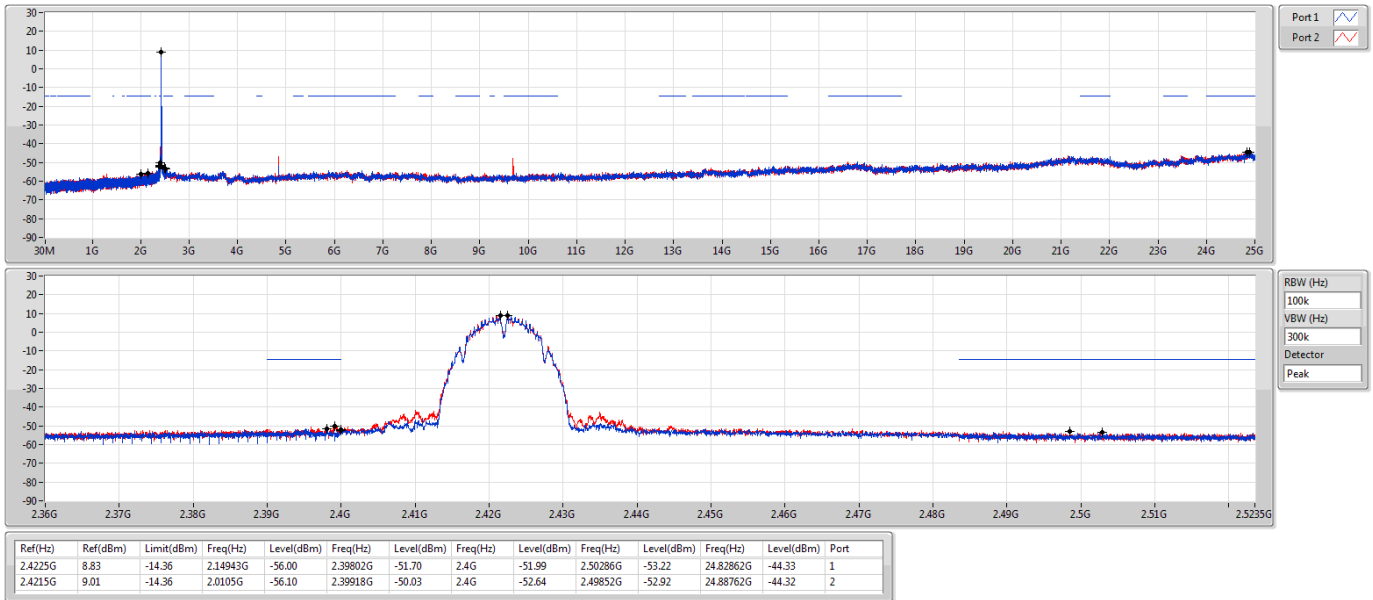
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2.41799G	8.67	-14.36	2.30495G	-56.29	2.39846G	-51.62	2.4G	-51.66	2.51708G	-53.40	24.9129G	-44.86	1
2.41649G	9.11	-14.36	2.30379G	-56.17	2.39796G	-48.80	2.4G	-50.49	2.48476G	-52.92	24.98595G	-44.33	2

802.11b_Nss1,(1Mbps)_2TX

2422MHz

CSE NdB

27/02/2020

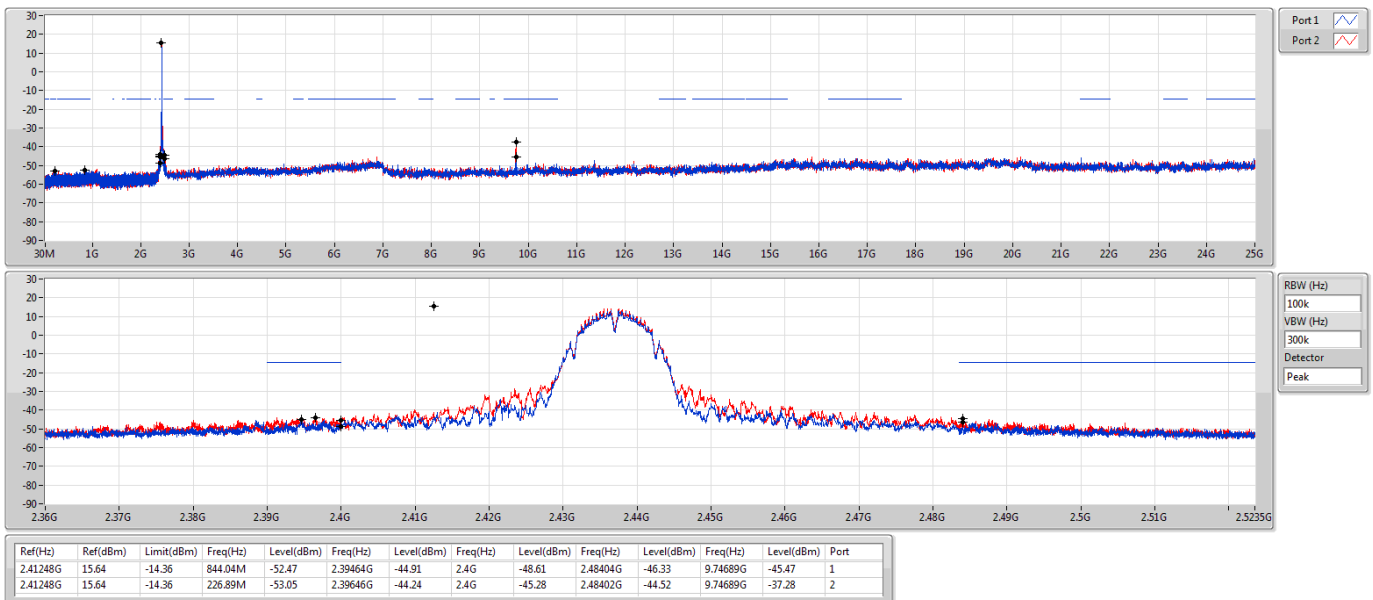


802.11b_Nss1,(1Mbps)_2TX

2437MHz

CSE NdB

17/02/2020

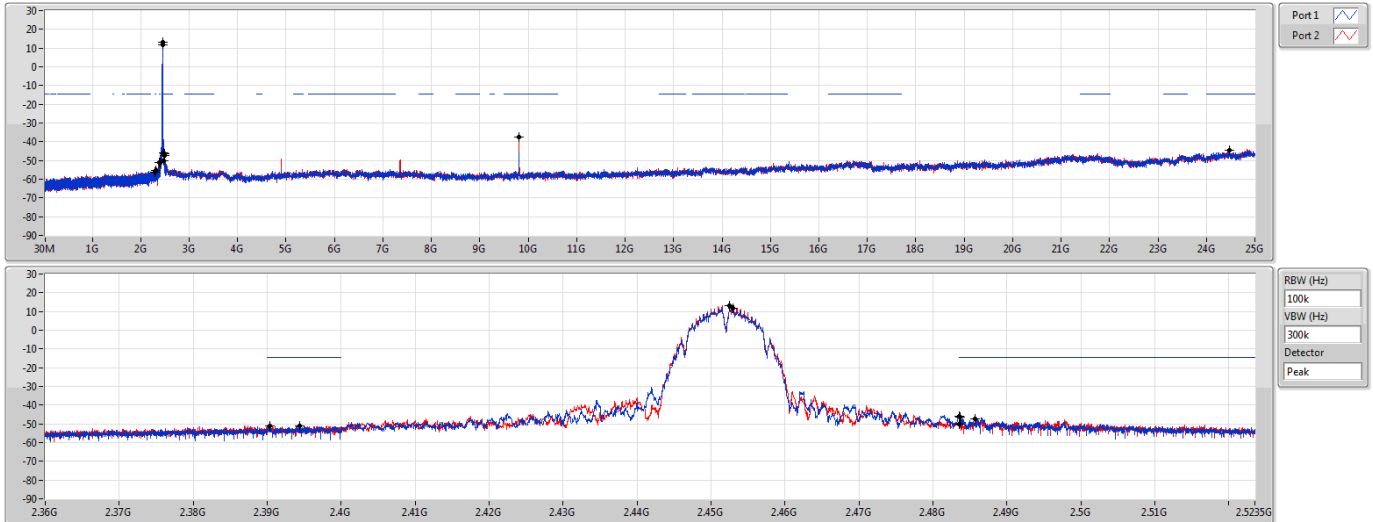


802.11b_Nss1,(1Mbps)_2TX

2452MHz

CSE NdB

27/02/2020

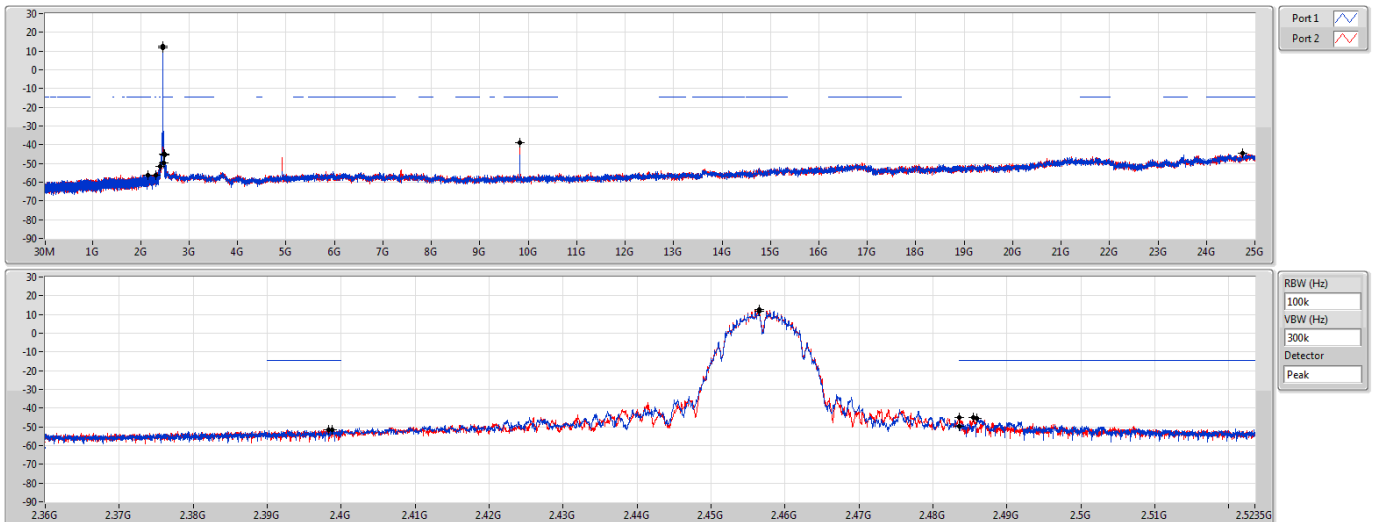


802.11b_Nss1,(1Mbps)_2TX

2457MHz

CSE NdB

27/02/2020

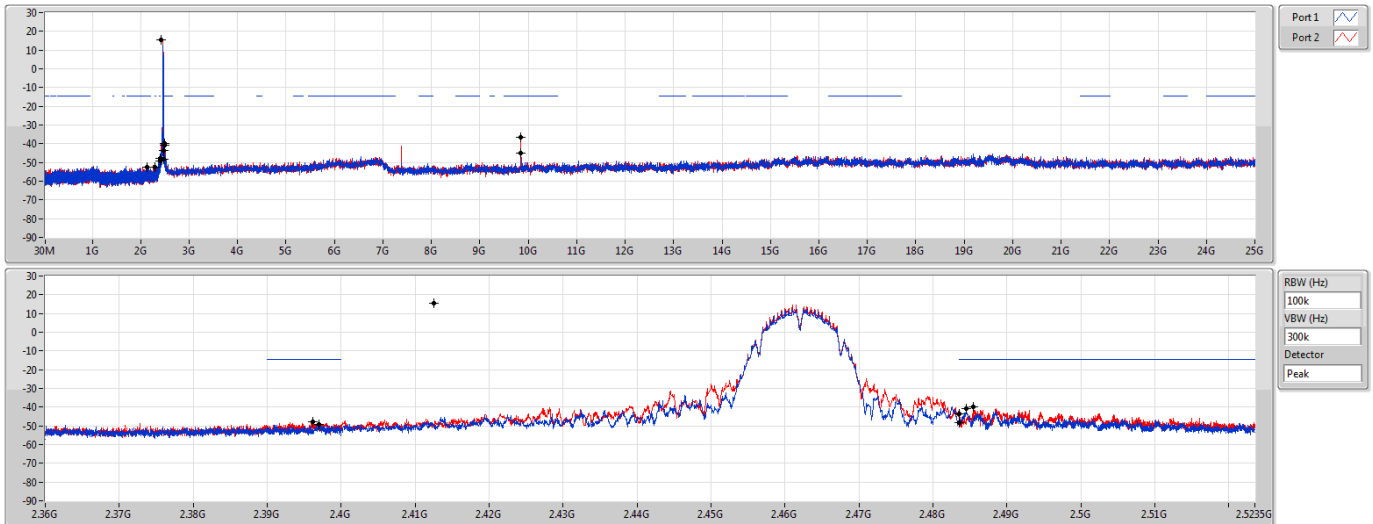


802.11b_Nss1,(1Mbps)_2TX

2462MHz

CSE NdB

17/02/2020

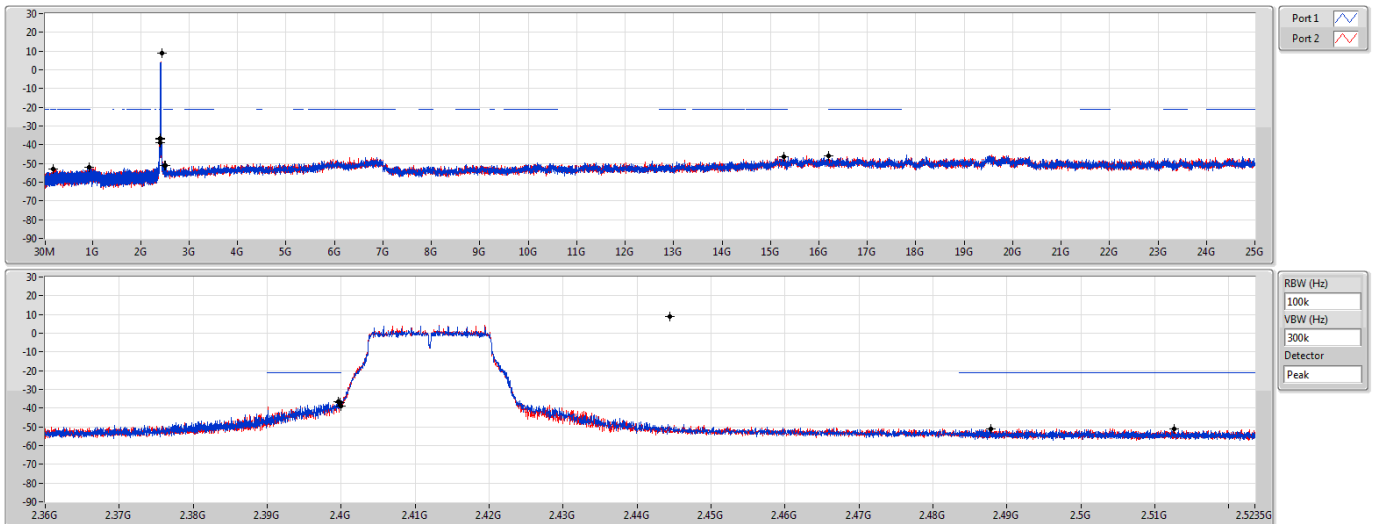


802.11g_Nss1,(6Mbps)_2TX

2412MHz

CSE NdB

17/02/2020

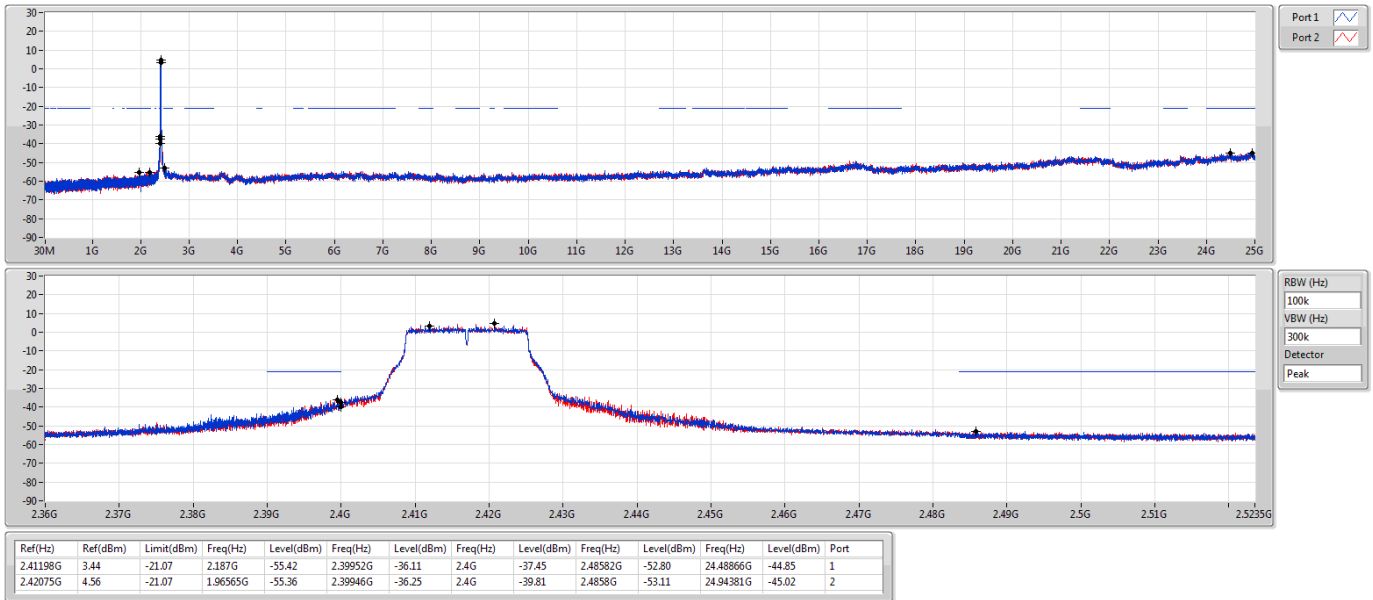


802.11g_Nss1,(6Mbps)_2TX

2417MHz

CSE NdB

27/02/2020

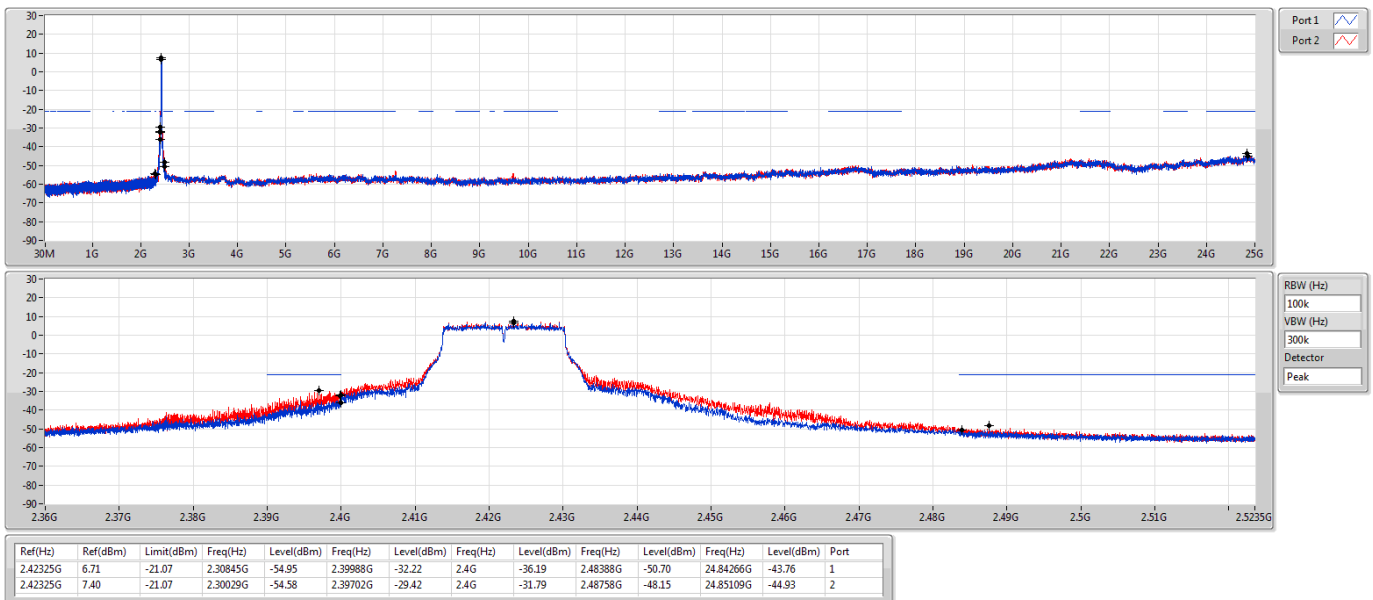


802.11g_Nss1,(6Mbps)_2TX

2422MHz

CSE NdB

27/02/2020

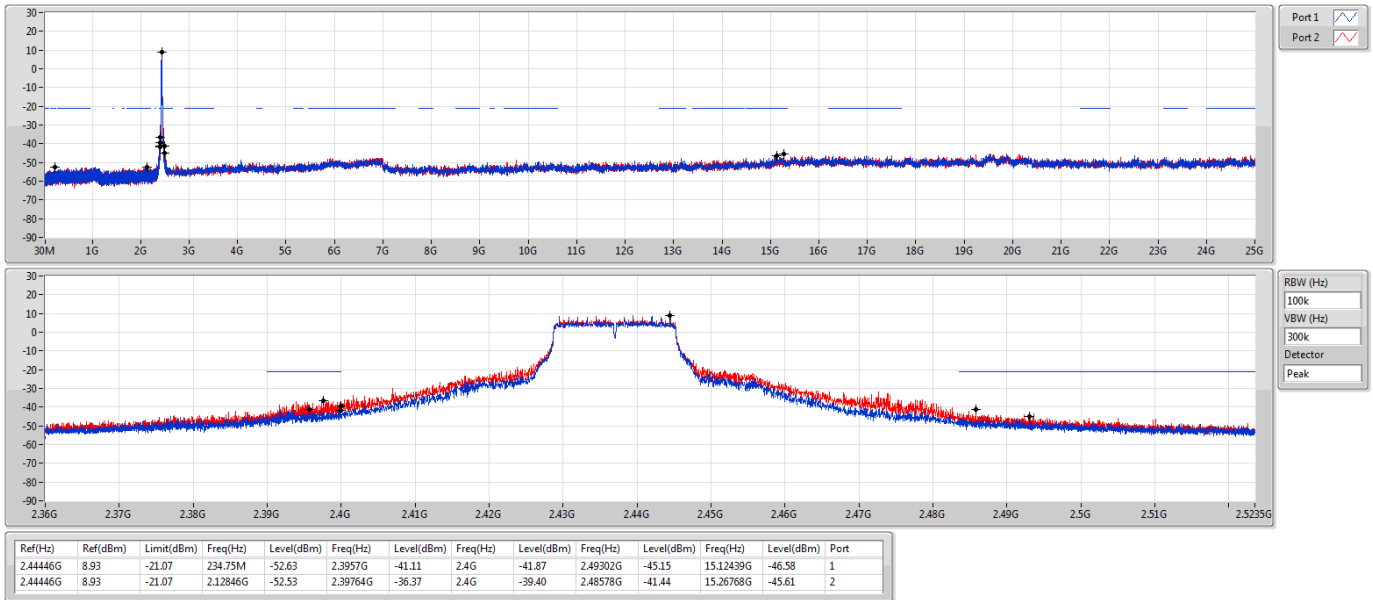


802.11g_Nss1,(6Mbps)_2TX

2437MHz

CSE NdB

17/02/2020

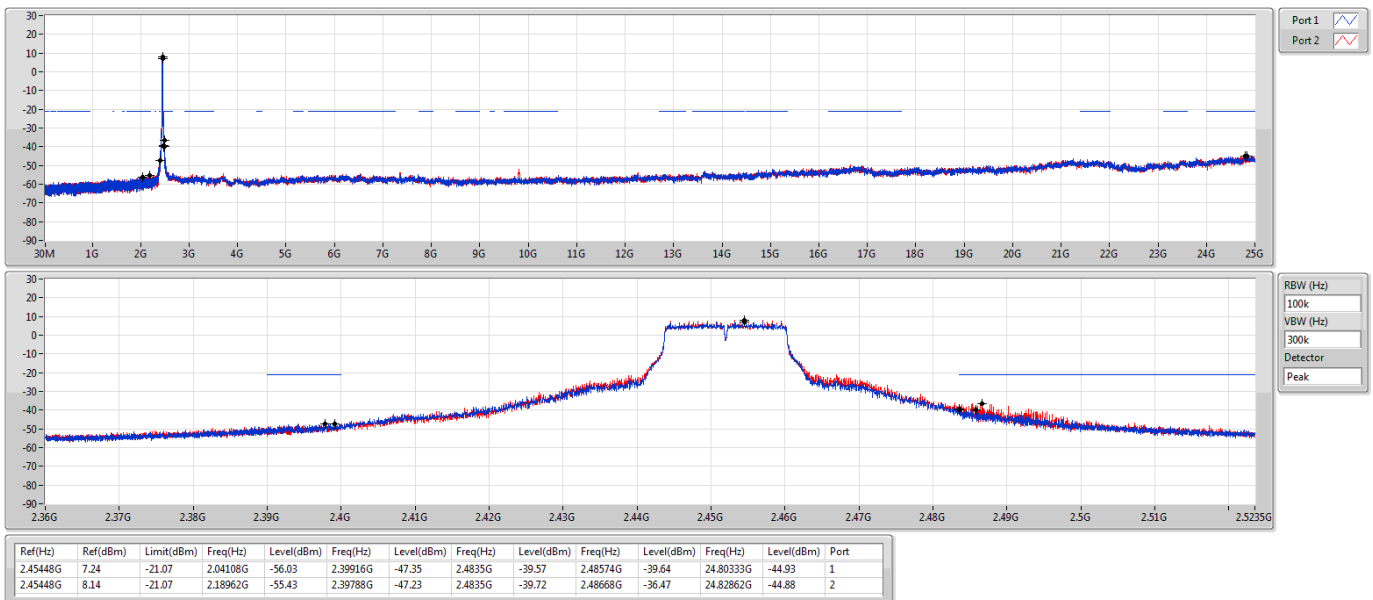


802.11g_Nss1,(6Mbps)_2TX

2452MHz

CSE NdB

27/02/2020

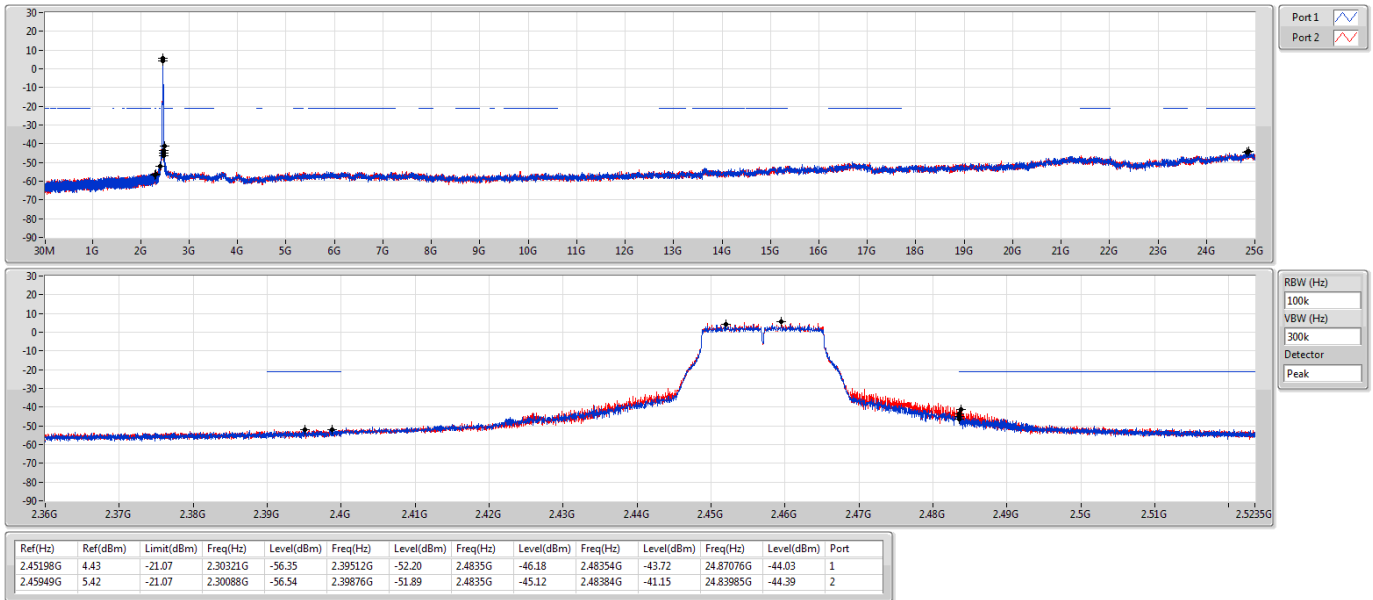


802.11g_Nss1,(6Mbps)_2TX

2457MHz

CSE NdB

27/02/2020

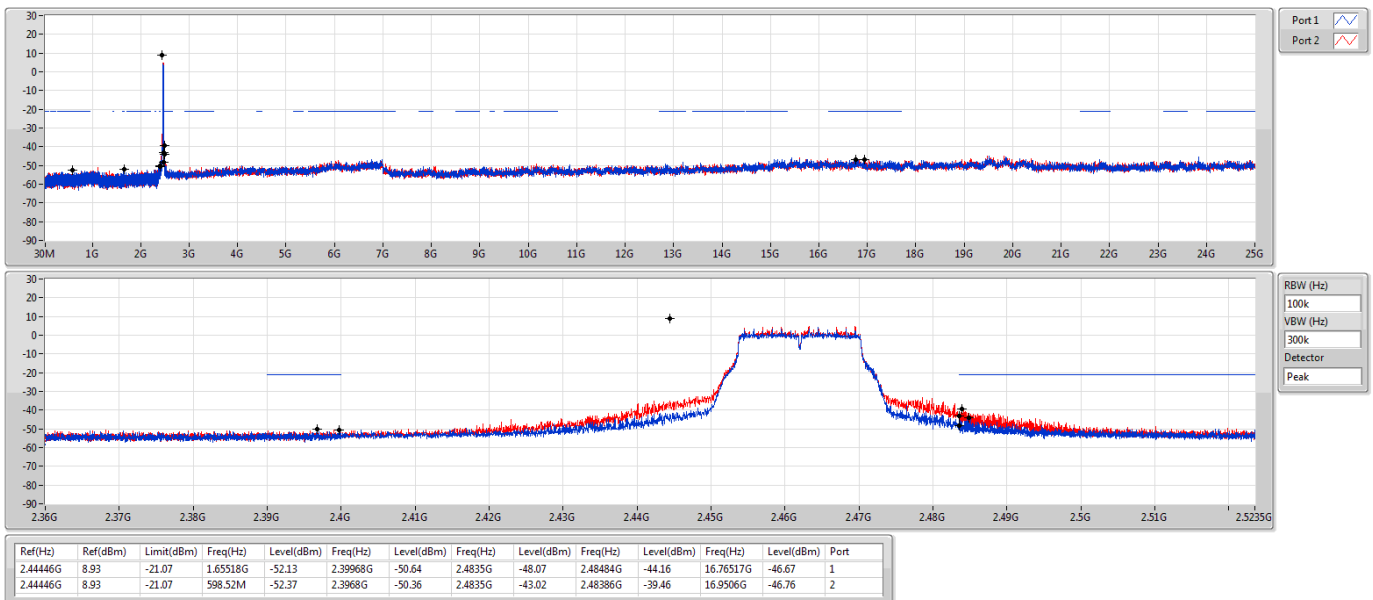


802.11g_Nss1,(6Mbps)_2TX

2462MHz

CSE NdB

17/02/2020

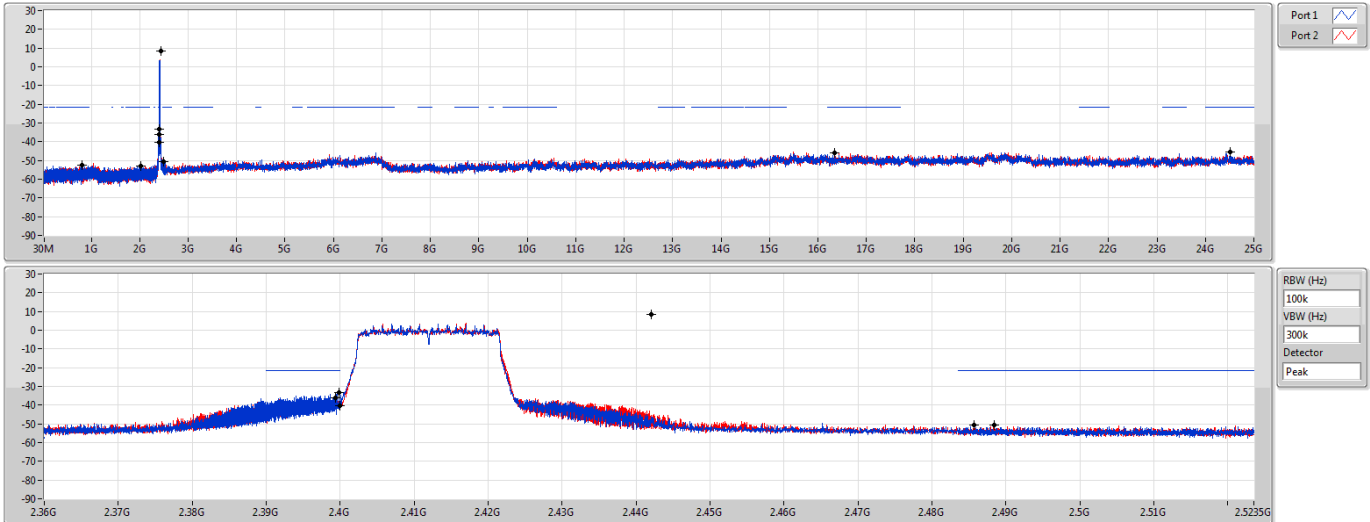


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2412MHz

17/02/2020



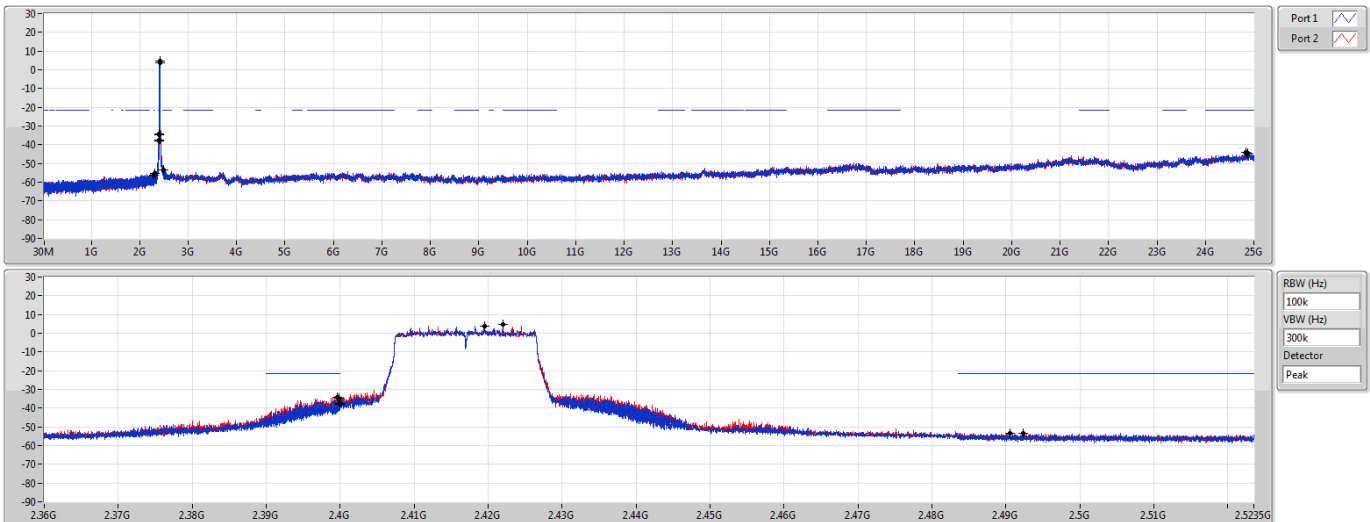
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2.442G	8.26	-21.74	809.09M	-52.60	2.39986G	-33.18	2.4G	-40.10	2.48564G	-50.78	24.51395G	-45.32	1
2.442G	8.26	-21.74	2.02099G	-52.86	2.3994G	-35.94	2.4G	-40.35	2.48844G	-50.68	16.34093G	-45.95	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2417MHz

27/02/2020

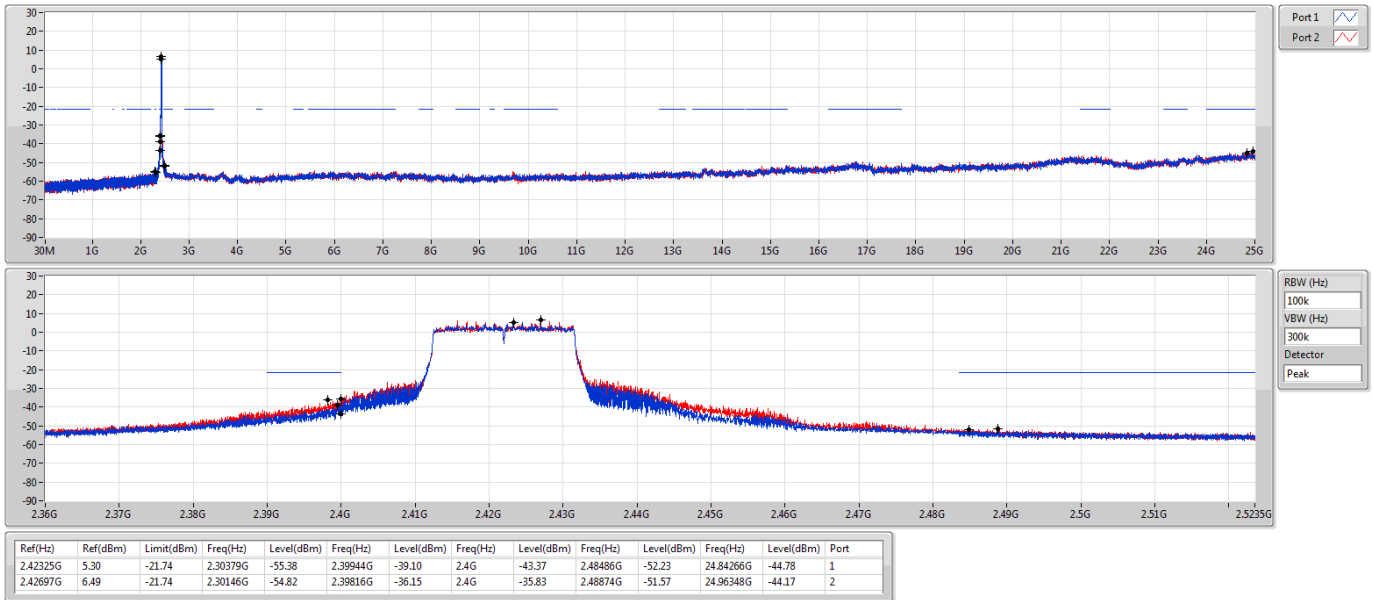


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4195G	3.96	-21.74	2.30903G	-55.34	2.39986G	-34.47	2.4G	-37.47	2.49236G	-53.28	24.87076G	-44.74	1
2.42196G	4.66	-21.74	2.30117G	-56.13	2.39964G	-34.17	2.4G	-38.12	2.49056G	-53.41	24.83985G	-44.08	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2422MHz

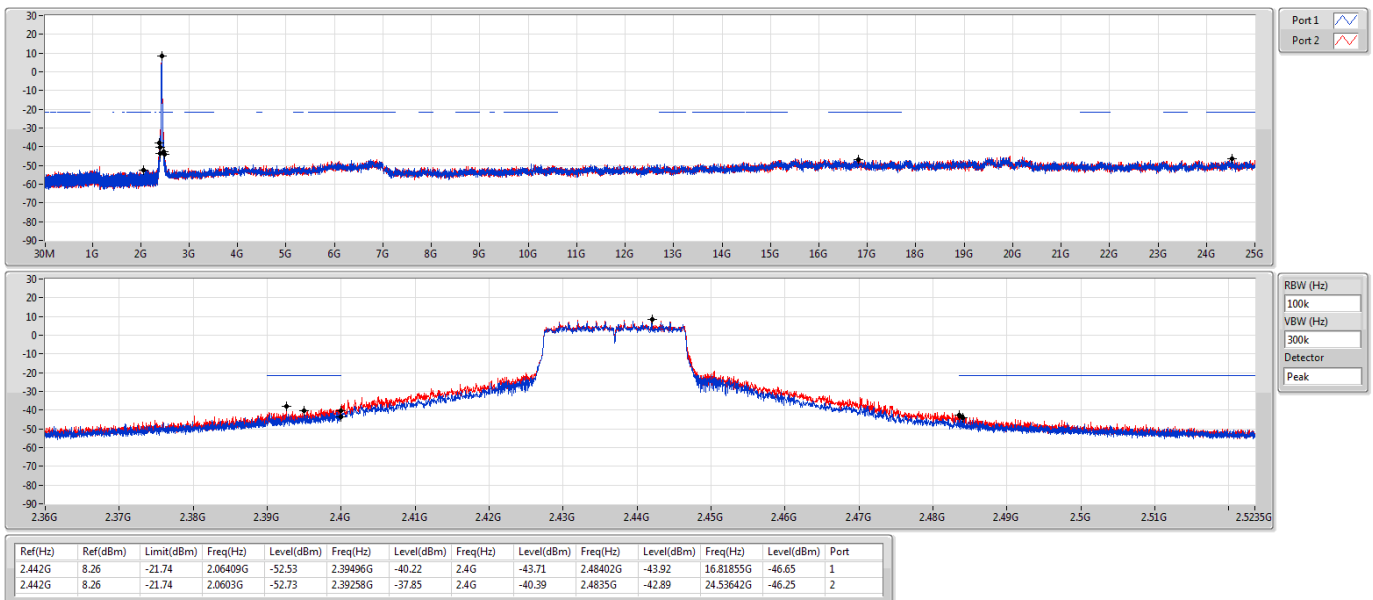
CSE NdB



802.11ax HEW20-BF_Nss1,(MCS0)_2TX

2437MHz

CSE NdB

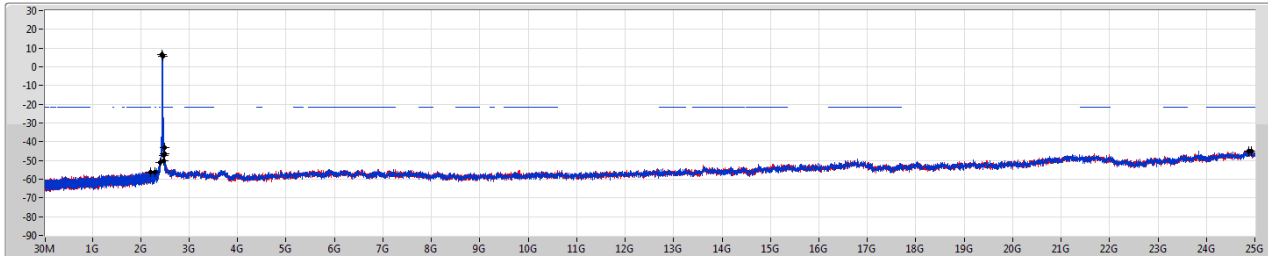
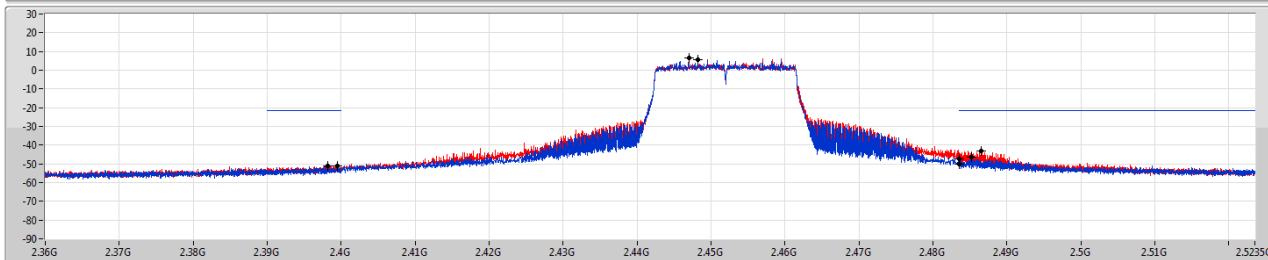


802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2452MHz

27/02/2020

Port 1
Port 2RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

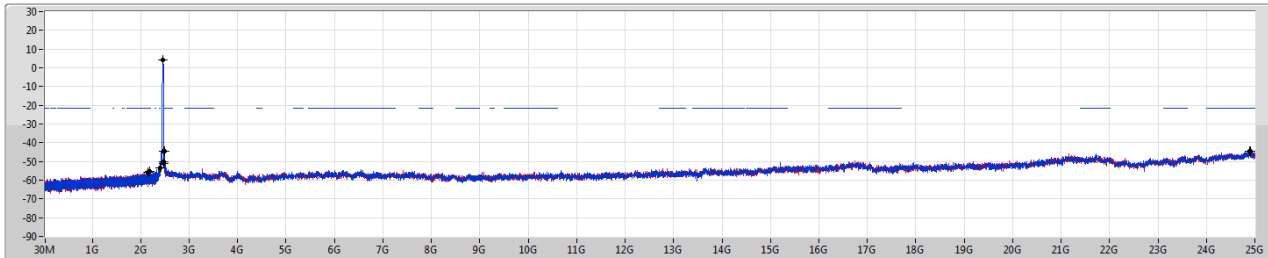
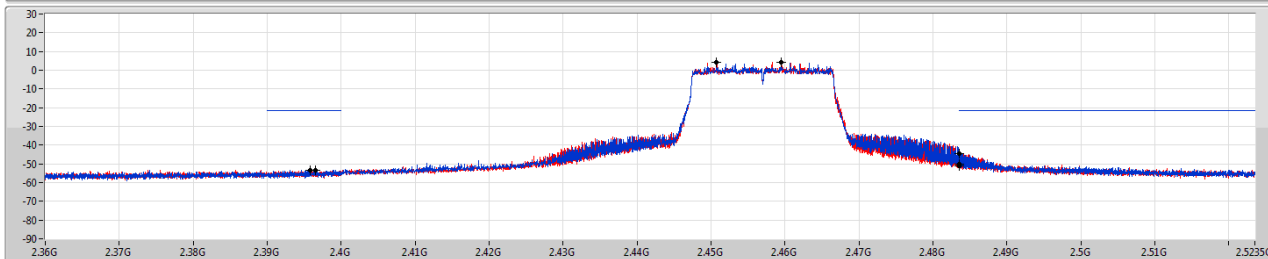
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44822G	5.45	-21.74	2.19544G	-56.06	2.39814G	-51.32	2.4835G	-50.24	2.48518G	-46.57	2.47638G	-44.90	1
2.44697G	6.36	-21.74	2.30117G	-56.27	2.39952G	-51.30	2.4835G	-47.16	2.48652G	-43.23	2.49538G	-44.87	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

CSE NdB

2457MHz

27/02/2020

Port 1
Port 2RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

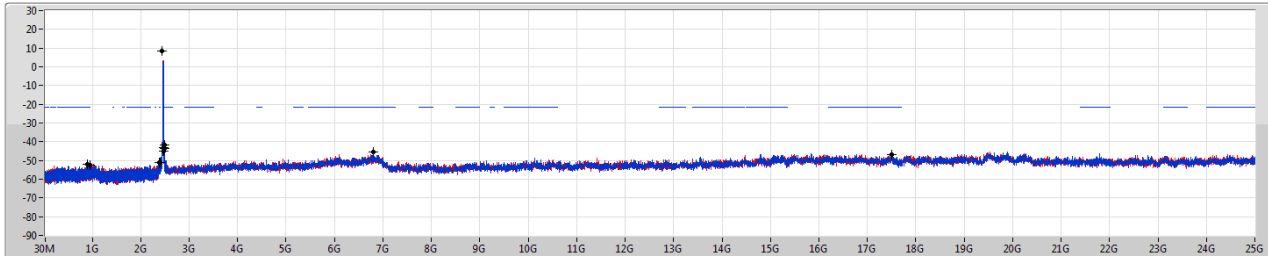
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45073G	4.33	-21.74	2.1503G	-55.65	2.39984G	-53.34	2.4835G	-49.98	2.48354G	-44.43	2.489324G	-44.32	1
2.45949G	4.32	-21.74	2.1768G	-55.13	2.39656G	-53.65	2.4835G	-50.90	2.48358G	-44.68	2.490447G	-44.56	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

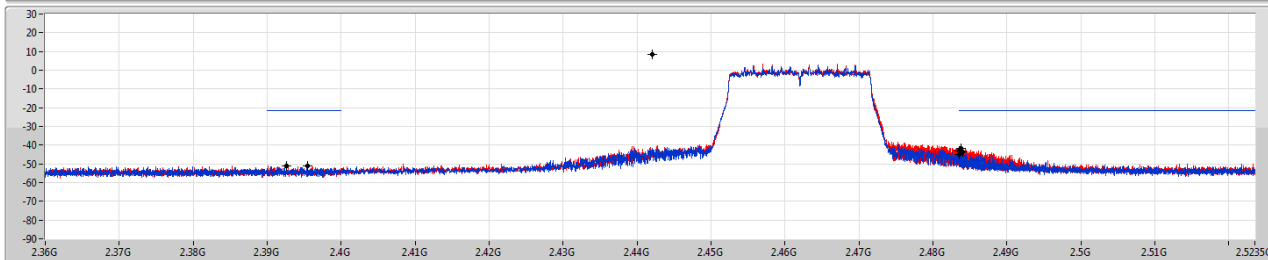
2462MHz

CSE NdB

17/02/2020



Port 1
Port 2



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

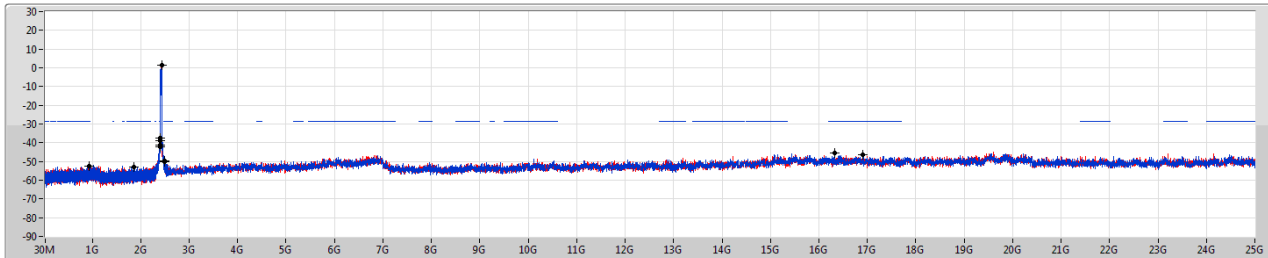
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	8.26	-21.74	890.94M	-51.82	2.3926G	-51.20	2.4835G	-45.16	2.48402G	-43.39	6.80527G	-45.46	1
2.442G	8.26	-21.74	950.06M	-52.66	2.39546G	-51.17	2.4835G	-43.33	2.4838G	-41.61	17.50409G	-46.89	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

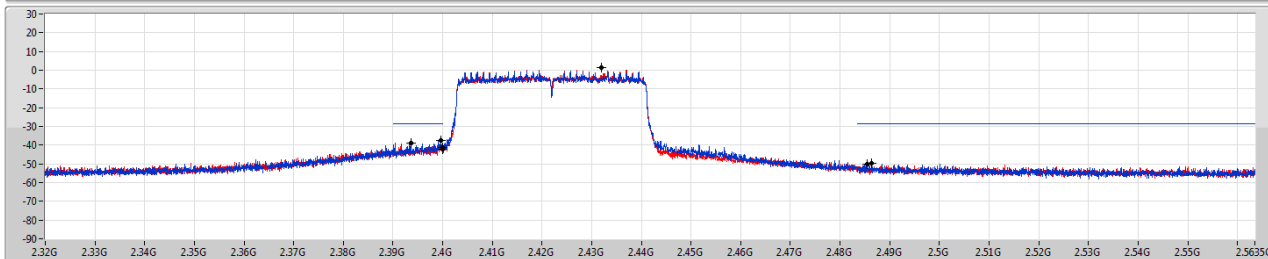
2422MHz

CSE NdB

17/02/2020



Port 1
Port 2



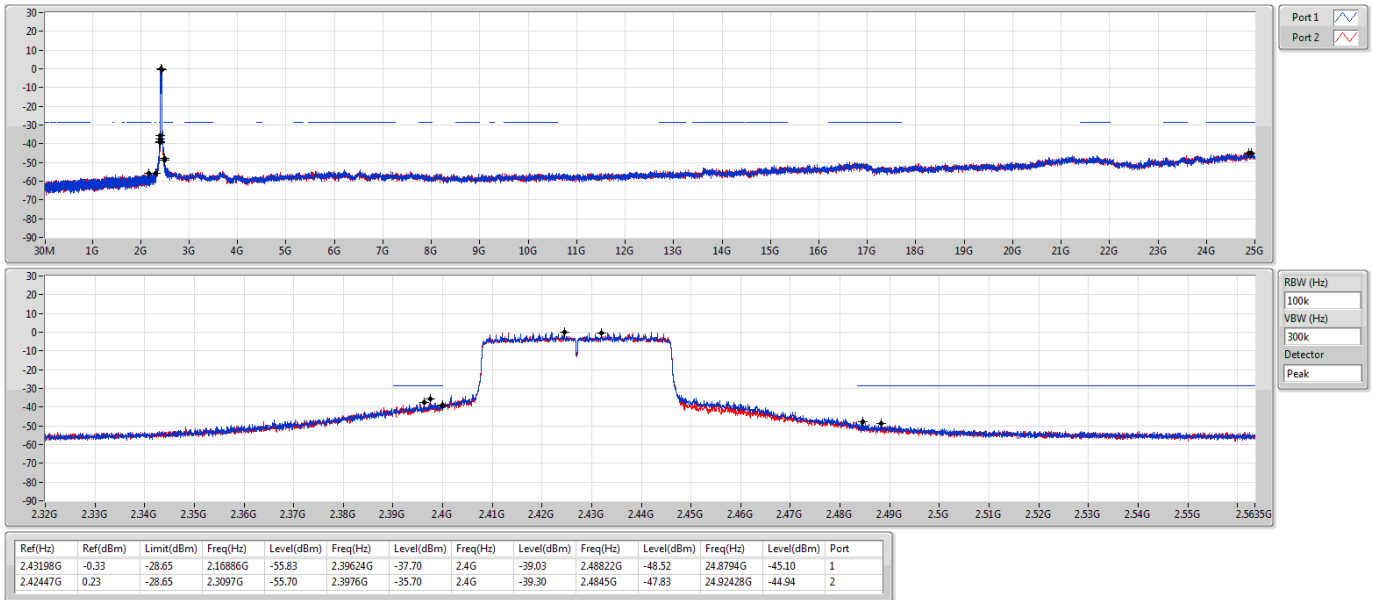
RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

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
2.43198G	1.35	-28.65	1.8517G	-52.96	2.3996G	-37.70	2.4G	-41.25	2.48642G	-49.85	16.91445G	-46.38	1
2.43198G	1.35	-28.65	933.12M	-52.34	2.3936G	-38.97	2.4G	-42.42	2.48554G	-50.28	16.3311G	-45.66	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2427MHz

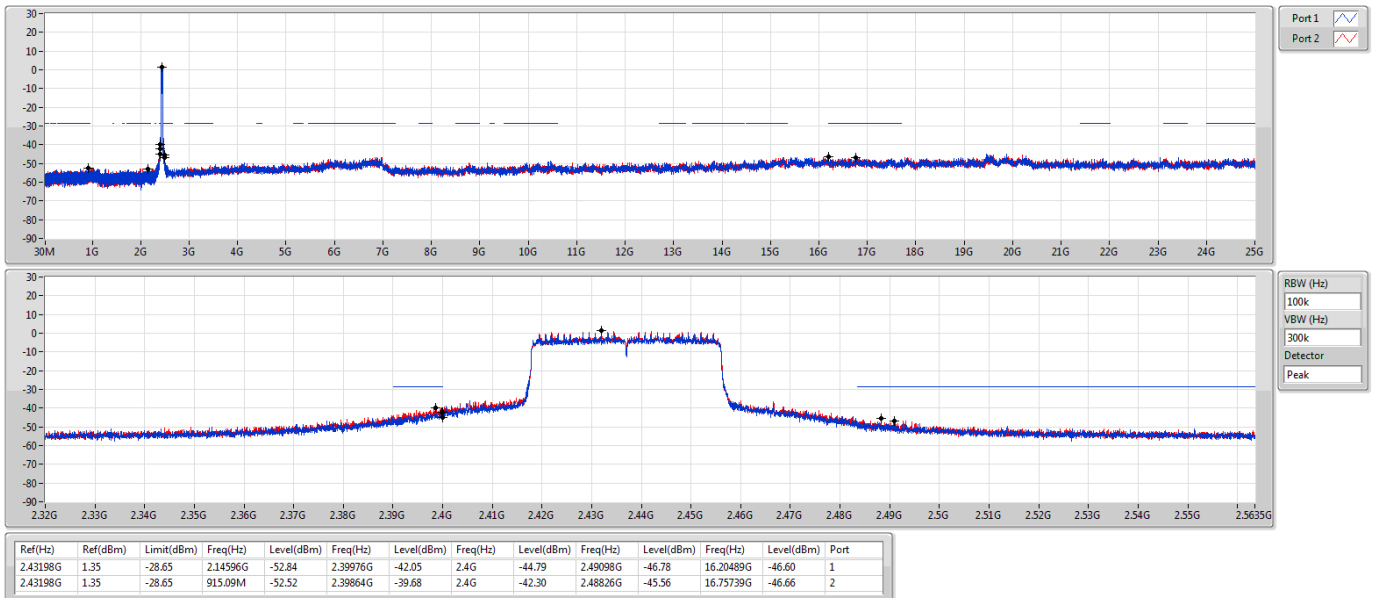
CSE NdB



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

2437MHz

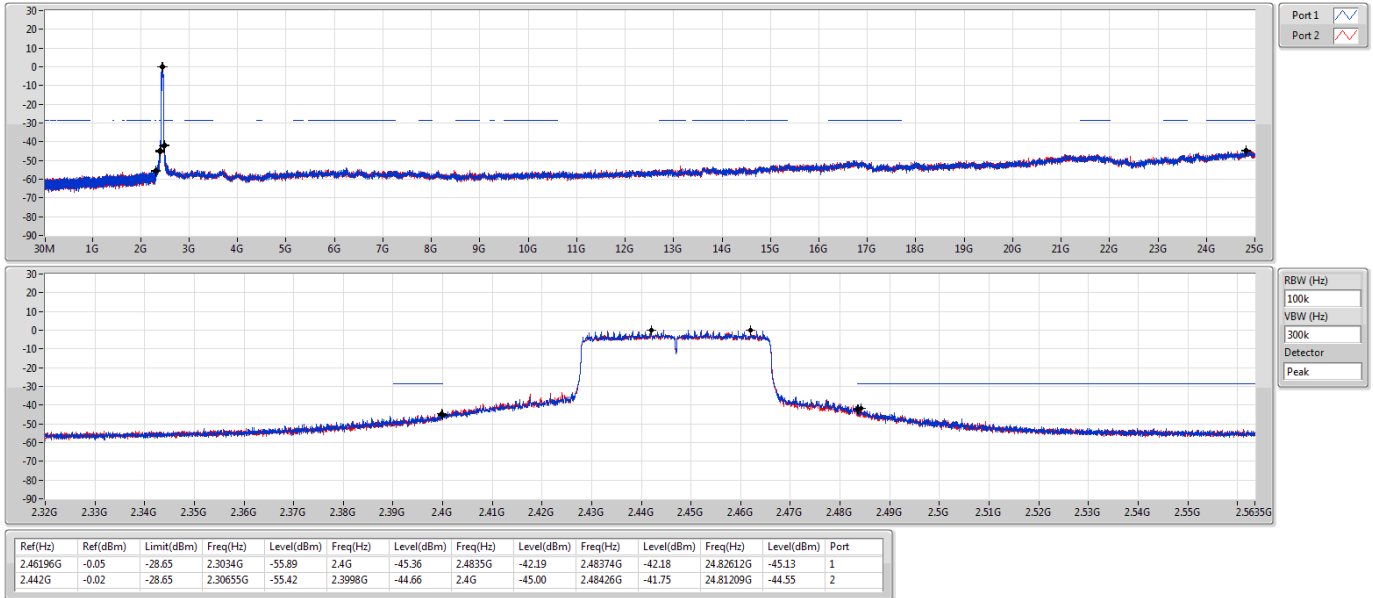
CSE NdB



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

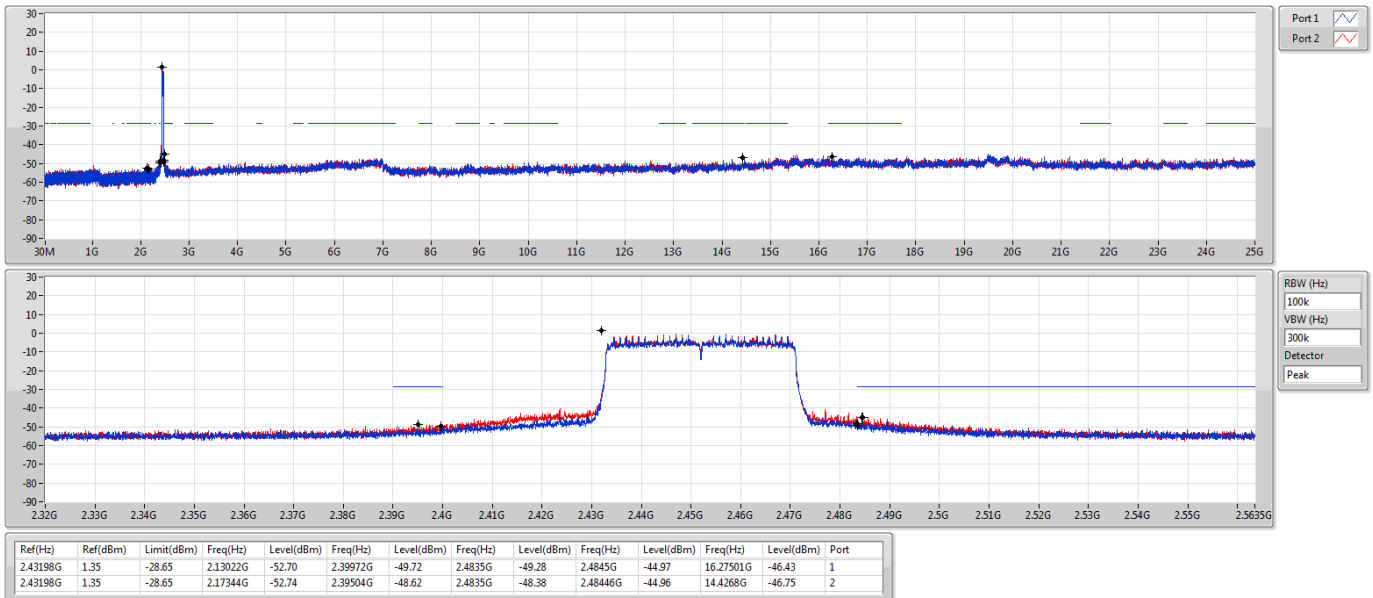
2447MHz



802.11ax HEW40-BF_Nss1,(MCS0)_2TX

CSE NdB

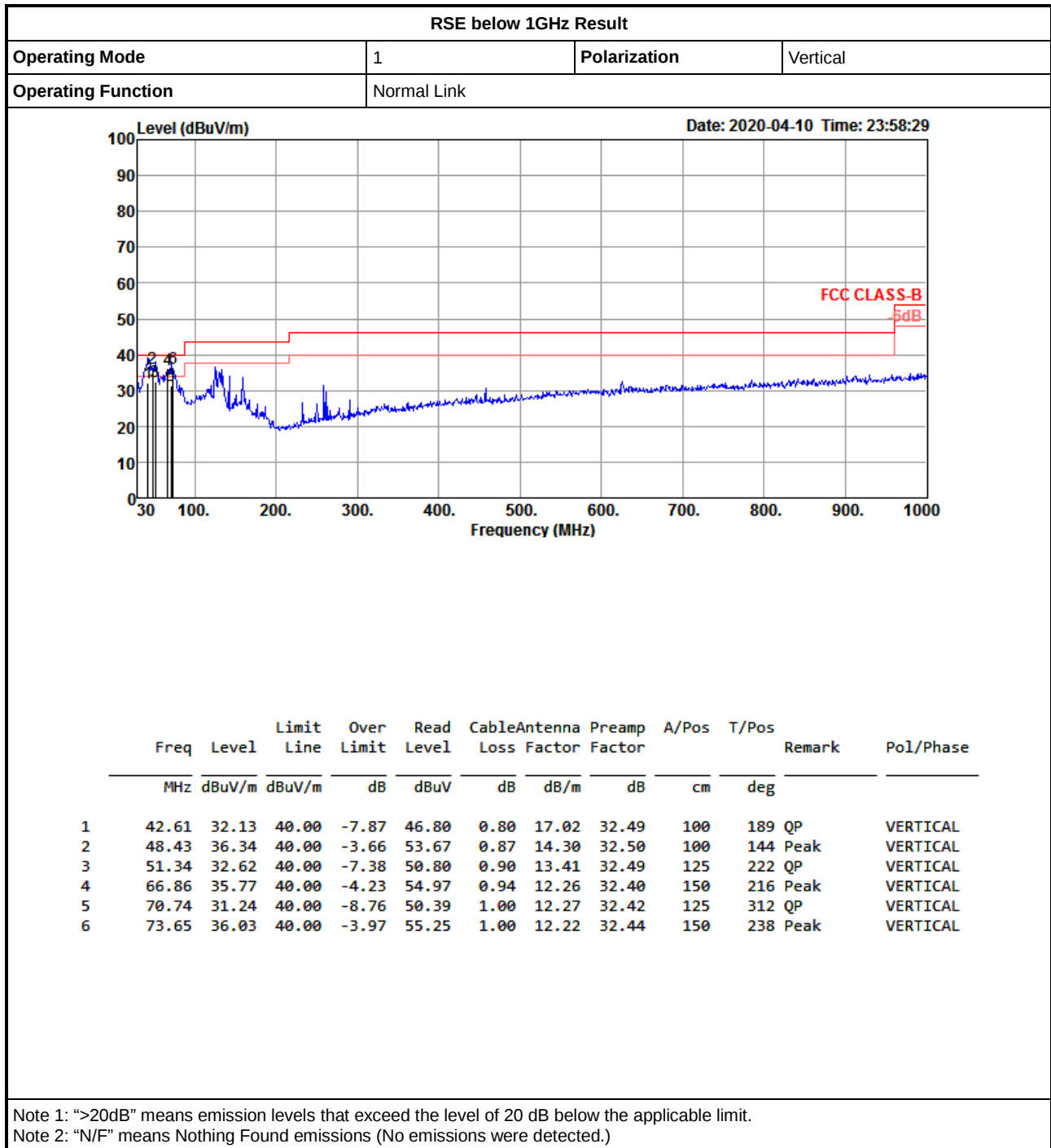
2452MHz





RSE below 1GHz Result

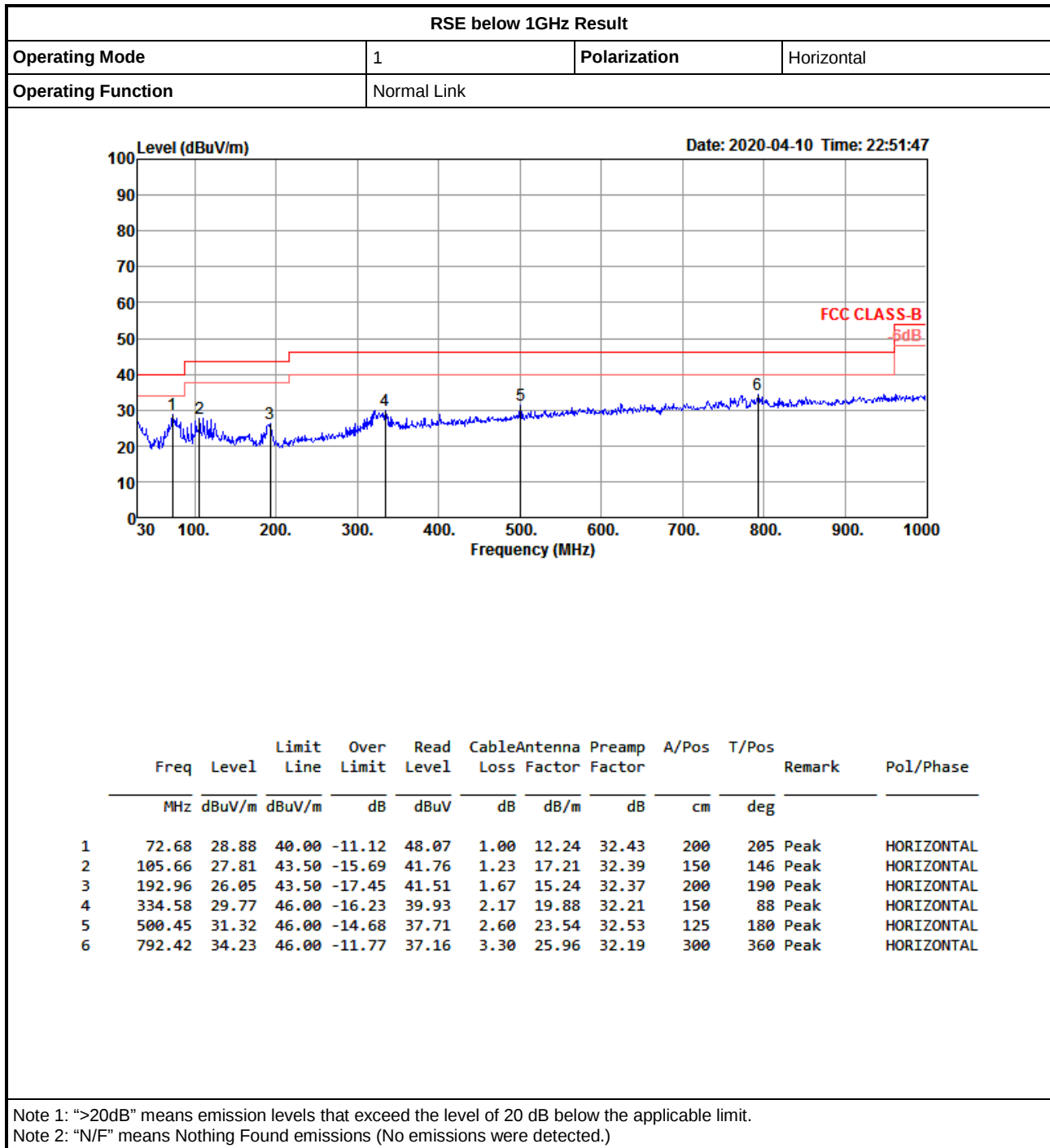
Appendix F.1





RSE below 1GHz Result

Appendix F.1





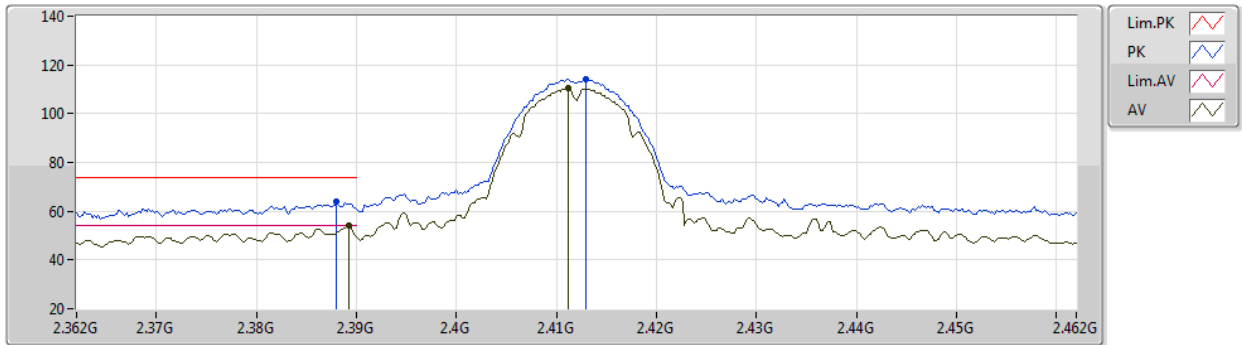
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.834G	53.97	54.00	-0.03	3	Horizontal	299	2.17	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2412MHz_TX



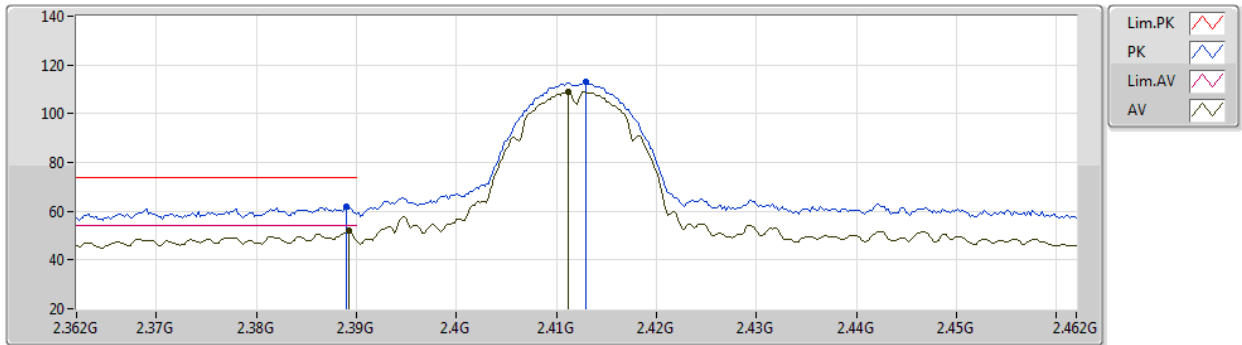
EUT Y_2TX
Setting 86
03-A-C-4

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	64.02	74.00	-9.98	32.01	3	Vertical	181	1.14	-	28.28	3.73	-
AV	2.3892G	53.90	54.00	-0.10	21.89	3	Vertical	181	1.14	-	28.28	3.73	-
PK	2.413G	114.20	Inf	-Inf	82.11	3	Vertical	181	1.14	-	28.34	3.75	-
AV	2.4112G	110.26	Inf	-Inf	78.18	3	Vertical	181	1.14	-	28.33	3.75	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2412MHz_TX



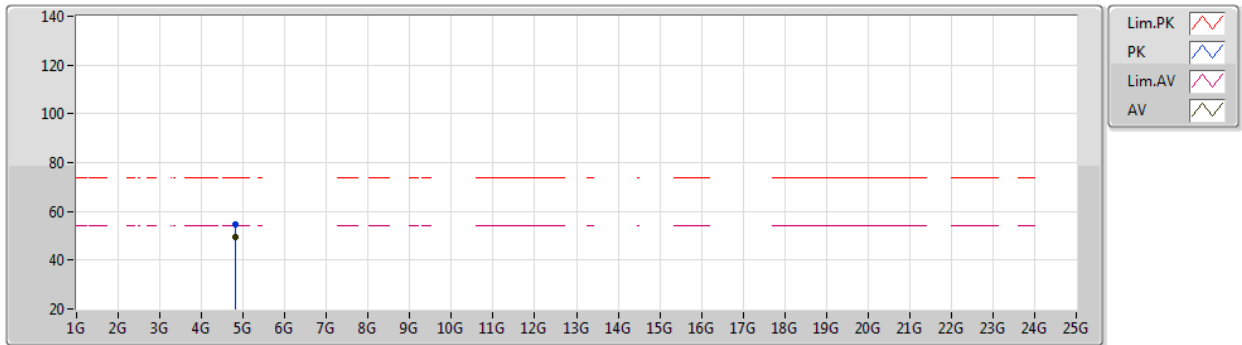
EUT Y_2TX
Setting 86
03-A-C-4

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	61.90	74.00	-12.10	29.89	3	Horizontal	217	2.20	-	28.28	3.73	-
AV	2.3892G	51.89	54.00	-2.11	19.88	3	Horizontal	217	2.20	-	28.28	3.73	-
PK	2.413G	112.90	Inf	-Inf	80.81	3	Horizontal	217	2.20	-	28.34	3.75	-
AV	2.4112G	108.93	Inf	-Inf	76.85	3	Horizontal	217	2.20	-	28.33	3.75	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2412MHz_TX



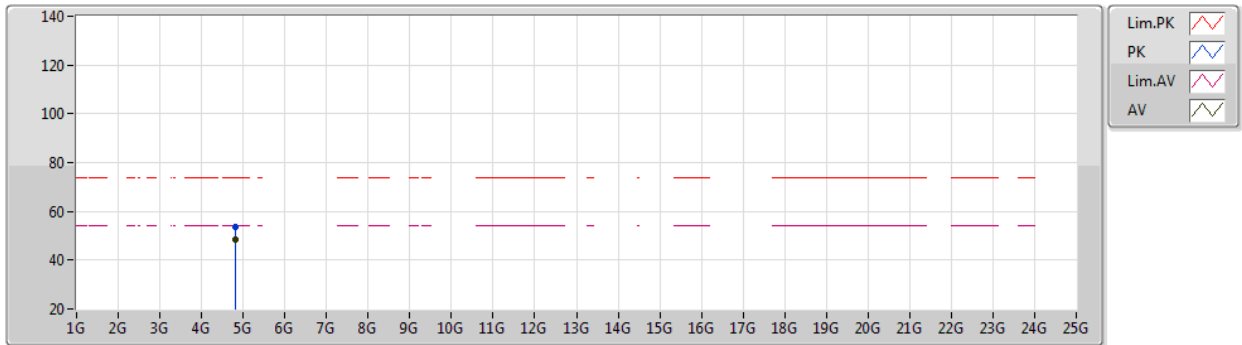
EUT Y_2TX
Setting 86
03-A-C-4

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	4.82388G	54.61	74.00	-19.39	49.31	3	Vertical	0	2.24	-	33.55	6.57	34.82
AV	4.82396G	49.23	54.00	-4.77	43.93	3	Vertical	0	2.24	-	33.55	6.57	34.82

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2412MHz_TX



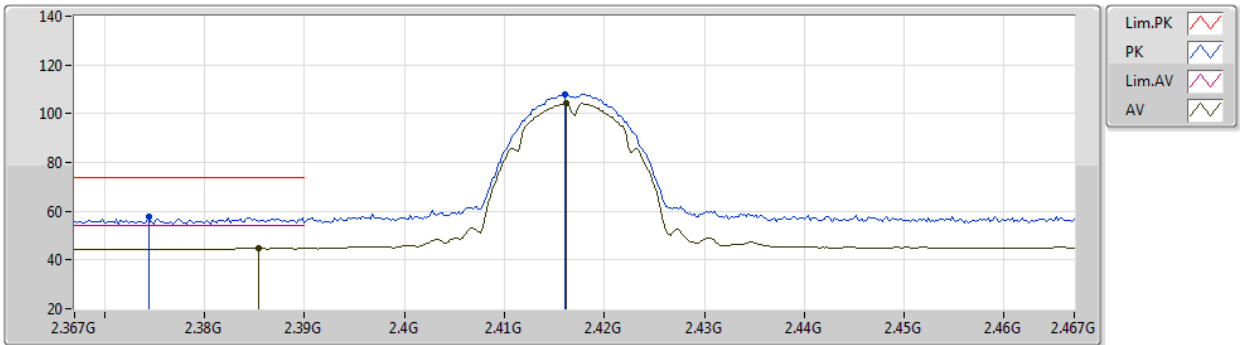
EUT Y_2TX
Setting 86
03-A-C-4

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	53.72	74.00	-20.28	48.42	3	Horizontal	291	2.19	-	33.55	6.57	34.82
AV	4.82398G	48.61	54.00	-5.39	43.31	3	Horizontal	291	2.19	-	33.55	6.57	34.82

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2417MHz_TX



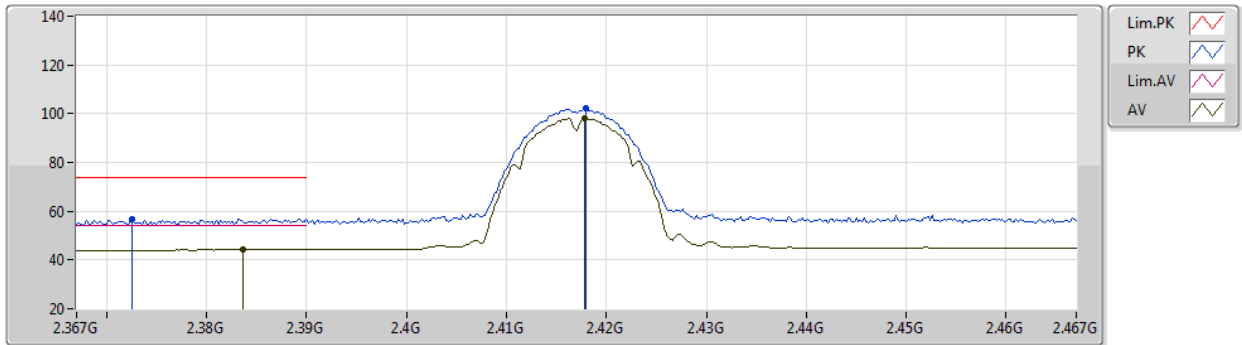
EUT Y_2TX
Setting 65
03-A-A-3

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	2.3744G	57.61	74.00	-16.39	25.64	3	Vertical	175	1.80	-	28.25	3.72	-
AV	2.3854G	44.86	54.00	-9.14	12.86	3	Vertical	175	1.80	-	28.27	3.73	-
PK	2.416G	108.13	Inf	-Inf	76.03	3	Vertical	175	1.80	-	28.35	3.75	-
AV	2.4162G	104.39	Inf	-Inf	72.29	3	Vertical	175	1.80	-	28.35	3.75	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2417MHz_TX



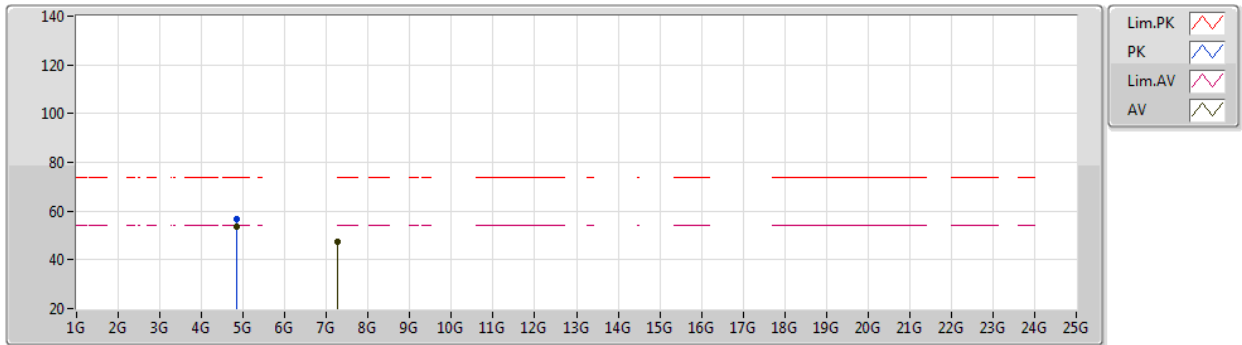
EUT Y_2TX
Setting 65
03-A-A-3

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	2.3726G	56.77	74.00	-17.23	24.80	3	Horizontal	224	1.51	-	28.25	3.72	-
AV	2.3836G	44.51	54.00	-9.49	12.51	3	Horizontal	224	1.51	-	28.27	3.73	-
PK	2.418G	102.06	Inf	-Inf	69.96	3	Horizontal	224	1.51	-	28.35	3.75	-
AV	2.4178G	98.00	Inf	-Inf	65.90	3	Horizontal	224	1.51	-	28.35	3.75	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2417MHz_TX



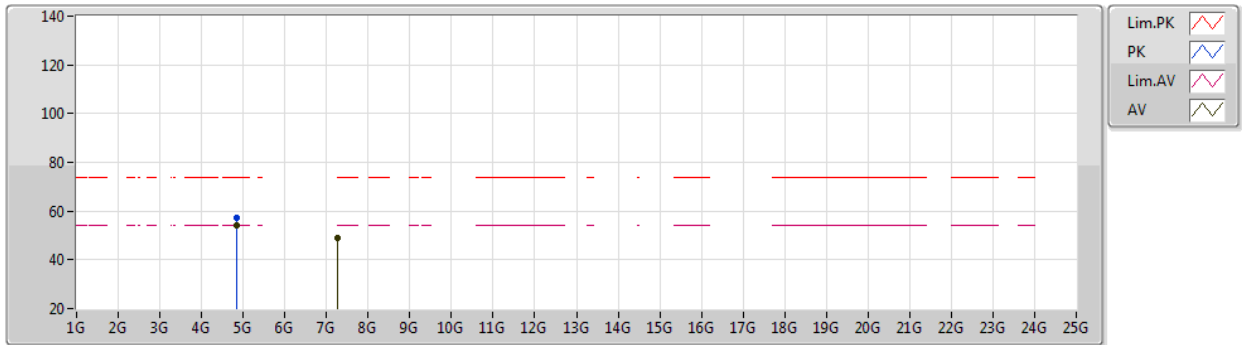
EUT Y_2TX
Setting 65
03-A-A-3

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	4.8339G	56.88	74.00	-17.12	51.55	3	Vertical	9	1.95	-	33.57	6.57	34.81
AV	4.83398G	53.51	54.00	-0.49	48.18	3	Vertical	9	1.95	-	33.57	6.57	34.81
AV	7.25024G	47.64	54.00	-6.36	38.28	3	Vertical	84	1.00	-	36.55	7.87	35.06

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2417MHz_TX



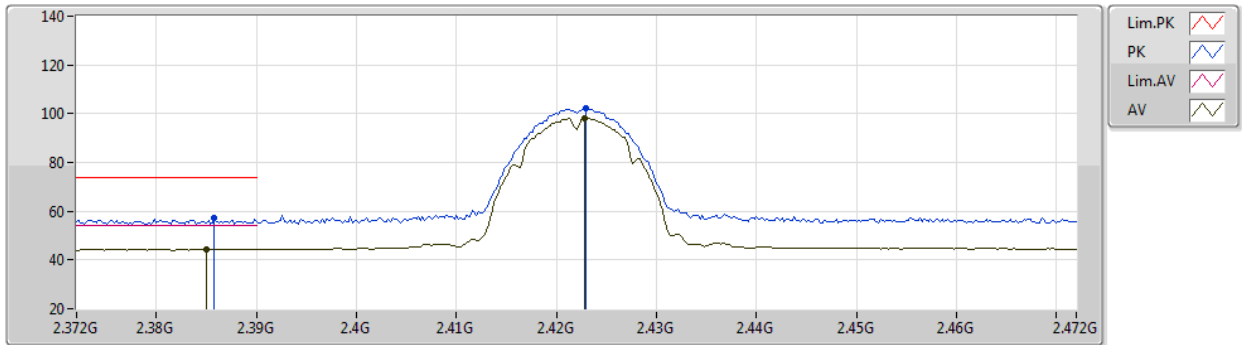
EUT Y_2TX
Setting 65
03-A-A-3

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)
AV	4.834G	53.97	54.00	-0.03	48.64	3	Horizontal	299	2.17	-	33.57	6.57	34.81
PK	4.83393G	57.28	74.00	-16.72	51.95	3	Horizontal	299	2.17	-	33.57	6.57	34.81
AV	7.25168G	48.91	54.00	-5.09	39.54	3	Horizontal	142	1.86	-	36.56	7.87	35.06

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2422MHz_TX



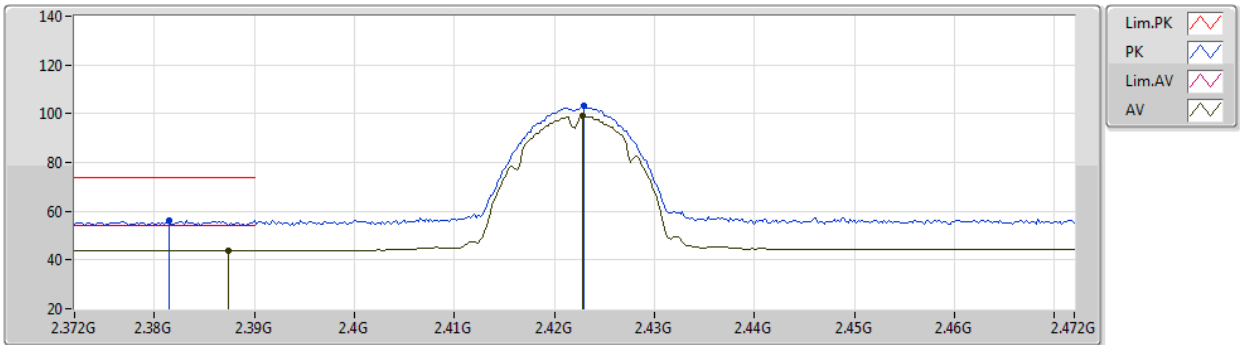
EUT Y_2TX
Setting 67
03-A-A-3

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	2.3858G	57.18	74.00	-16.82	25.18	3	Vertical	157	1.04	-	28.27	3.73	-
AV	2.385G	44.26	54.00	-9.74	12.26	3	Vertical	157	1.04	-	28.27	3.73	-
PK	2.423G	102.37	Inf	-Inf	70.25	3	Vertical	157	1.04	-	28.37	3.75	-
AV	2.4228G	98.26	Inf	-Inf	66.14	3	Vertical	157	1.04	-	28.37	3.75	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2422MHz_TX



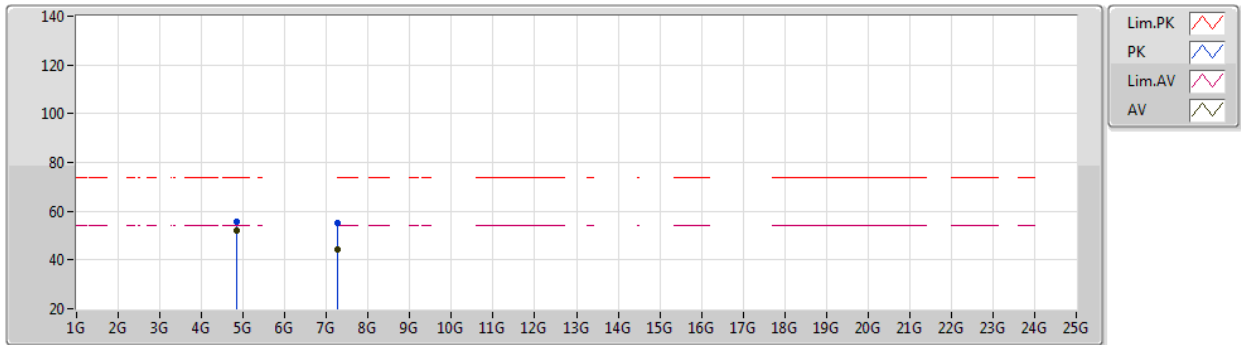
EUT Y_2TX
Setting 67
03-A-A-3

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	2.3814G	56.01	74.00	-17.99	24.02	3	Horizontal	55	2.97	-	28.26	3.73	-
AV	2.3874G	43.83	54.00	-10.17	11.83	3	Horizontal	55	2.97	-	28.27	3.73	-
PK	2.423G	103.04	Inf	-Inf	70.92	3	Horizontal	55	2.97	-	28.37	3.75	-
AV	2.4228G	98.93	Inf	-Inf	66.81	3	Horizontal	55	2.97	-	28.37	3.75	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2422MHz_TX



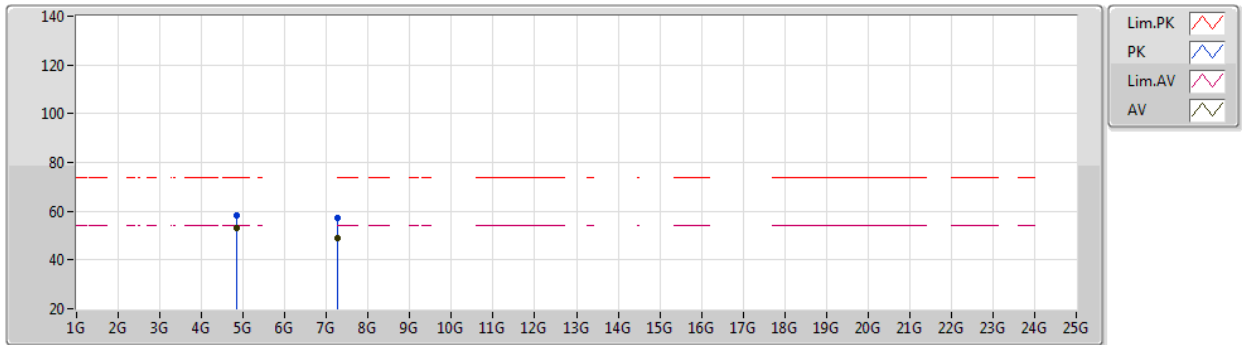
EUT Y_2TX
Setting 67
03-A-A-3

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	4.84398G	55.92	74.00	-18.08	50.56	3	Vertical	140	2.27	-	33.59	6.57	34.80
AV	4.84394G	52.02	54.00	-1.98	46.66	3	Vertical	140	2.27	-	33.59	6.57	34.80
PK	7.26688G	55.08	74.00	-18.92	45.64	3	Vertical	172	1.90	-	36.63	7.87	35.06
AV	7.26524G	44.37	54.00	-9.63	34.93	3	Vertical	172	1.90	-	36.63	7.87	35.06

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2422MHz_TX



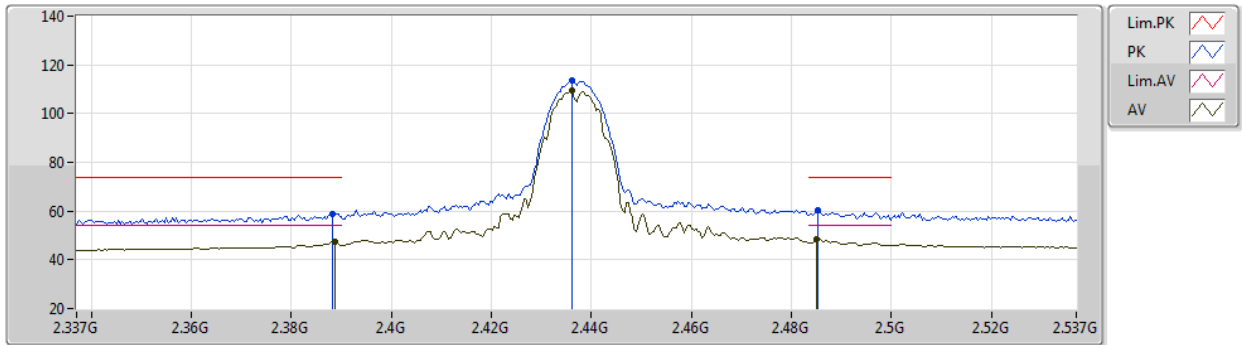
EUT Y_2TX
Setting 67
03-A-A-3

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	4.84404G	58.03	74.00	-15.97	52.67	3	Horizontal	288	2.17	-	33.59	6.57	34.80
AV	4.84398G	53.24	54.00	-0.76	47.88	3	Horizontal	288	2.17	-	33.59	6.57	34.80
PK	7.26444G	57.01	74.00	-16.99	47.58	3	Horizontal	87	2.08	-	36.62	7.87	35.06
AV	7.26524G	48.82	54.00	-5.18	39.38	3	Horizontal	87	2.08	-	36.63	7.87	35.06

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2437MHz_TX



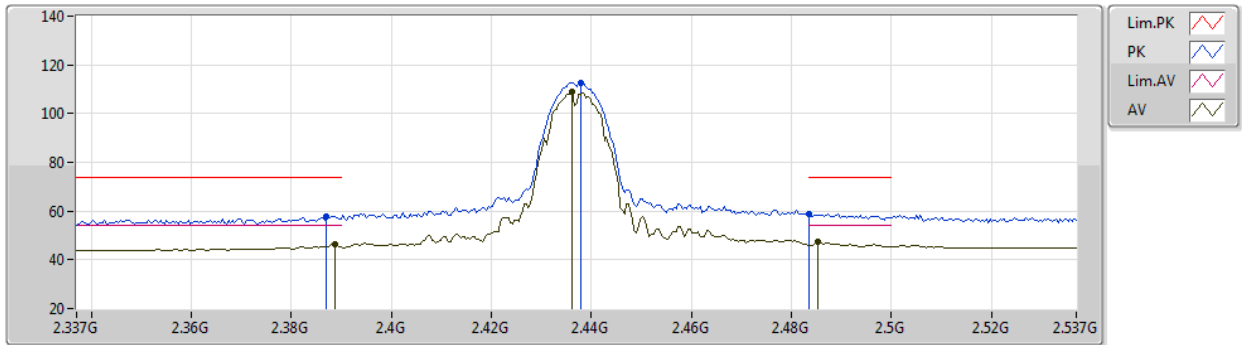
EUT Y_2TX
Setting 84
03-A-C-4

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	58.96	74.00	-15.04	26.95	3	Vertical	183	1.10	-	28.28	3.73	-
AV	2.3886G	47.53	54.00	-6.47	15.52	3	Vertical	183	1.10	-	28.28	3.73	-
PK	2.4362G	113.41	Inf	-Inf	81.24	3	Vertical	183	1.10	-	28.41	3.76	-
AV	2.4362G	109.66	Inf	-Inf	77.49	3	Vertical	183	1.10	-	28.41	3.76	-
PK	2.4854G	60.55	74.00	-13.45	28.20	3	Vertical	183	1.10	-	28.56	3.79	-
AV	2.485G	48.53	54.00	-5.47	16.18	3	Vertical	183	1.10	-	28.56	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2437MHz_TX



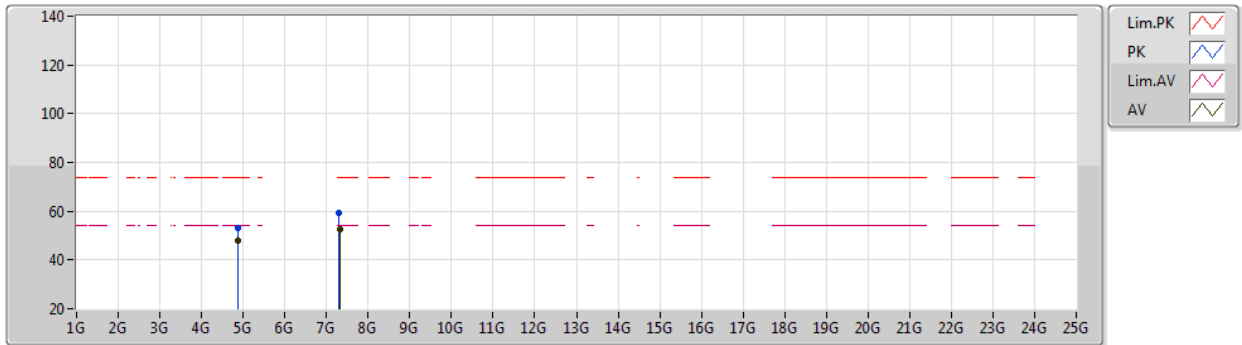
EUT Y_2TX
Setting 84
03-A-C-4

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	57.78	74.00	-16.22	25.78	3	Horizontal	57	2.83	-	28.27	3.73	-
AV	2.3886G	46.43	54.00	-7.57	14.42	3	Horizontal	57	2.83	-	28.28	3.73	-
PK	2.4378G	112.84	Inf	-Inf	80.67	3	Horizontal	57	2.83	-	28.41	3.76	-
AV	2.4362G	108.84	Inf	-Inf	76.67	3	Horizontal	57	2.83	-	28.41	3.76	-
PK	2.4835G	58.81	74.00	-15.19	26.47	3	Horizontal	57	2.83	-	28.55	3.79	-
AV	2.4854G	47.46	54.00	-6.54	15.11	3	Horizontal	57	2.83	-	28.56	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2437MHz_TX



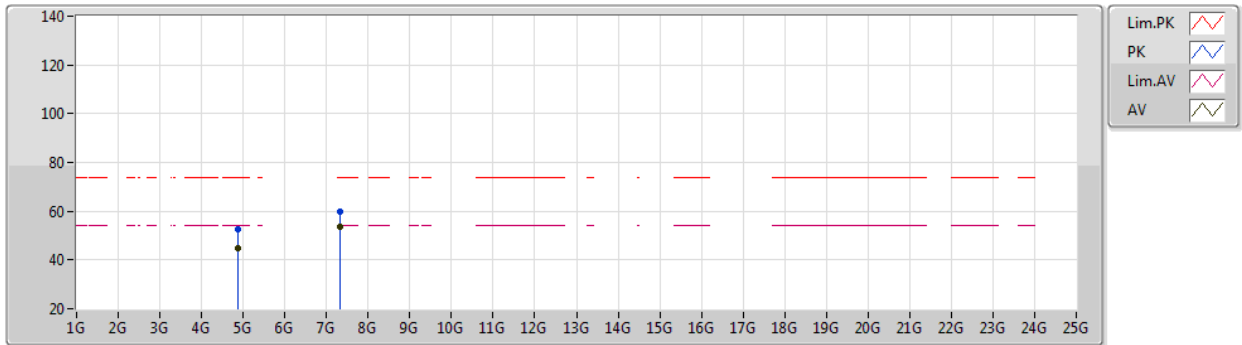
EUT Y_2TX
Setting 84
03-A-C-4

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	4.87395G	53.06	74.00	-20.94	47.61	3	Vertical	352	2.86	-	33.65	6.58	34.78
AV	4.87396G	47.93	54.00	-6.07	42.48	3	Vertical	352	2.86	-	33.65	6.58	34.78
PK	7.3102G	59.12	74.00	-14.88	49.50	3	Vertical	176	1.72	-	36.81	7.87	35.06
AV	7.31024G	52.60	54.00	-1.40	42.98	3	Vertical	176	1.72	-	36.81	7.87	35.06

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2437MHz_TX



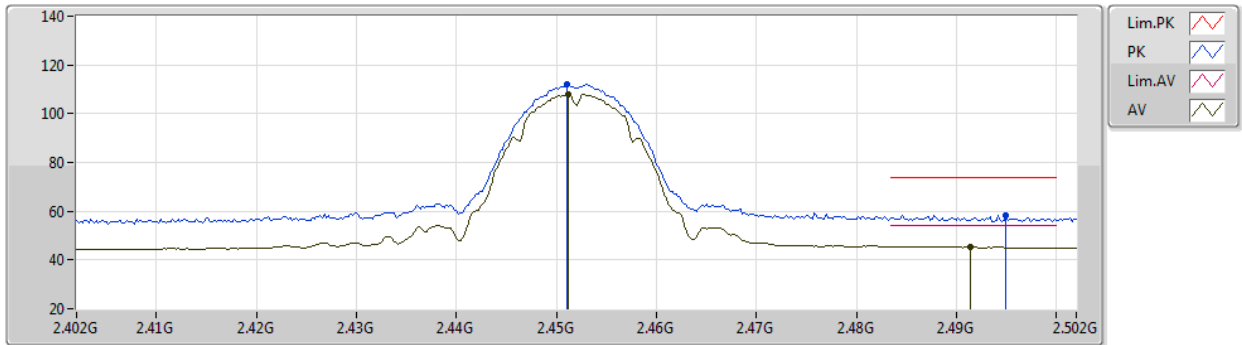
EUT Y_2TX
Setting 84
03-A-C-4

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	4.87383G	52.34	74.00	-21.66	46.89	3	Horizontal	294	2.28	-	33.65	6.58	34.78
AV	4.87398G	44.77	54.00	-9.23	39.32	3	Horizontal	294	2.28	-	33.65	6.58	34.78
PK	7.31196G	59.99	74.00	-14.01	50.37	3	Horizontal	141	1.84	-	36.81	7.87	35.06
AV	7.31216G	53.79	54.00	-0.21	44.17	3	Horizontal	141	1.84	-	36.81	7.87	35.06

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2452MHz_TX



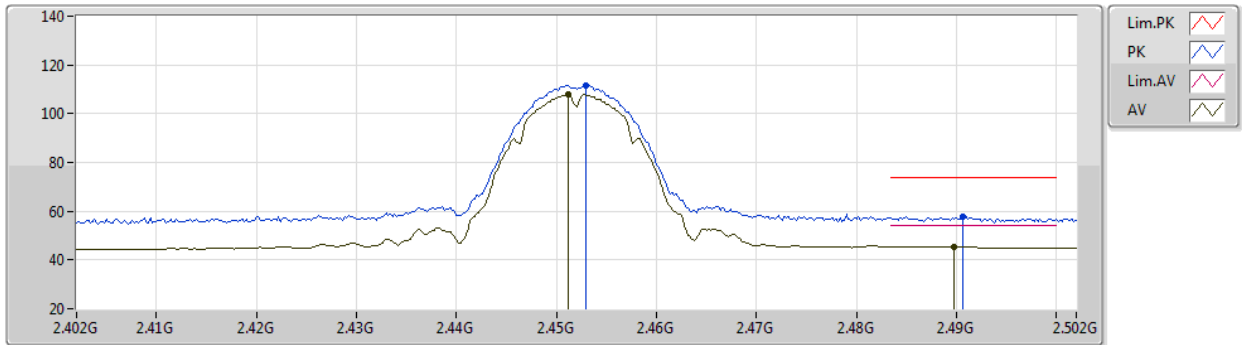
EUT Y_2TX
Setting 79
03-A-A-3

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	2.451G	111.87	Inf	-Inf	79.65	3	Vertical	158	2.96	-	28.45	3.77	-
AV	2.4512G	108.15	Inf	-Inf	75.93	3	Vertical	158	2.96	-	28.45	3.77	-
PK	2.495G	58.50	74.00	-15.50	26.11	3	Vertical	158	2.96	-	28.59	3.80	-
AV	2.4914G	45.45	54.00	-8.55	13.09	3	Vertical	158	2.96	-	28.57	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2452MHz_TX



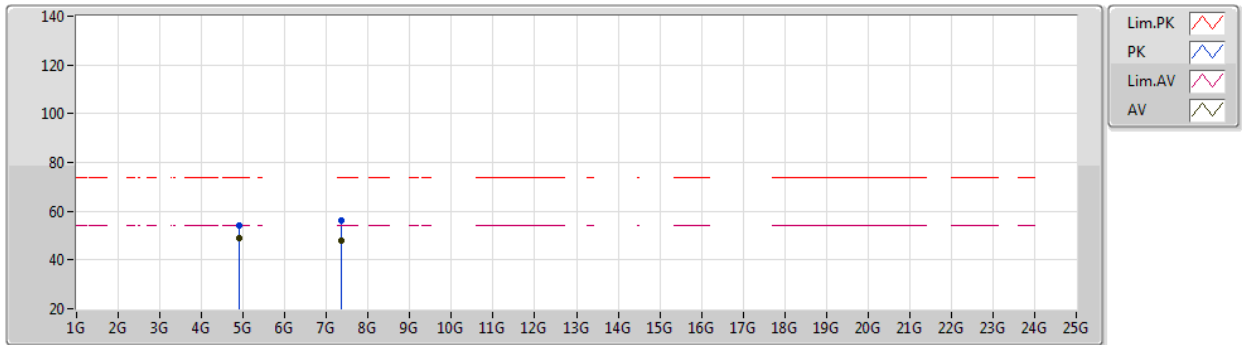
EUT Y_2TX
Setting 79
03-A-A-3

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	2.453G	111.61	Inf	-Inf	79.38	3	Horizontal	236	1.11	-	28.46	3.77	-
AV	2.4512G	107.83	Inf	-Inf	75.61	3	Horizontal	236	1.11	-	28.45	3.77	-
PK	2.4906G	57.58	74.00	-16.42	25.22	3	Horizontal	236	1.11	-	28.57	3.79	-
AV	2.4898G	45.54	54.00	-8.46	13.18	3	Horizontal	236	1.11	-	28.57	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2452MHz_TX



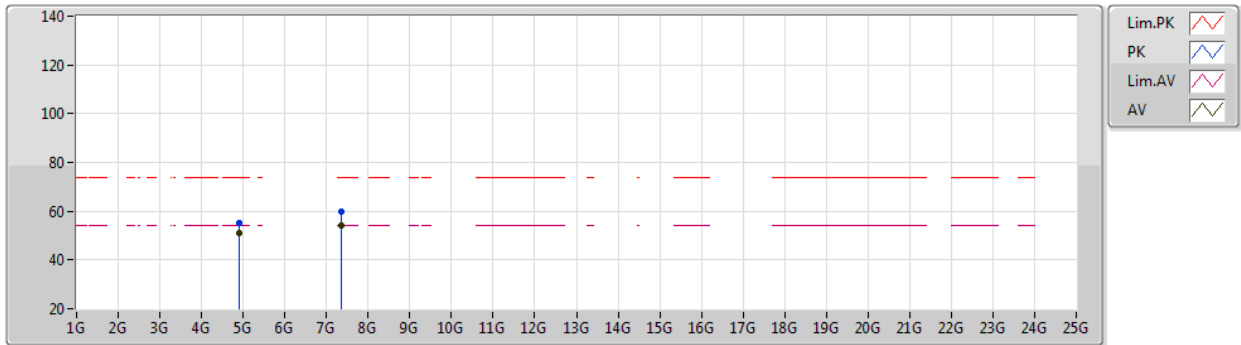
EUT Y_2TX
Setting 79
03-A-A-3

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	4.90403G	54.11	74.00	-19.89	48.57	3	Vertical	4	1.79	-	33.71	6.59	34.76
AV	4.90397G	48.97	54.00	-5.03	43.43	3	Vertical	4	1.79	-	33.71	6.59	34.76
PK	7.35632G	56.09	74.00	-17.91	46.40	3	Vertical	168	1.80	-	36.86	7.88	35.05
AV	7.35472G	47.83	54.00	-6.17	38.15	3	Vertical	168	1.80	-	36.85	7.88	35.05

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2452MHz_TX



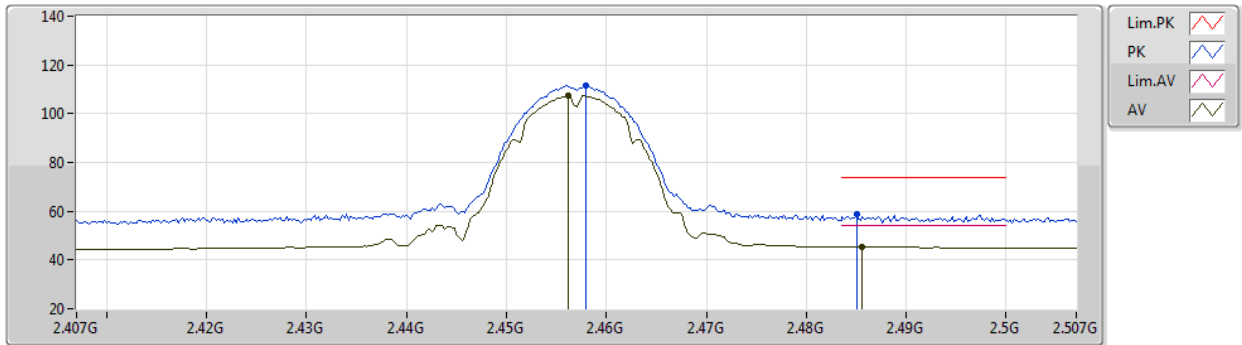
EUT Y_2TX
Setting 79
03-A-A-3

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	4.90396G	55.06	74.00	-18.94	49.52	3	Horizontal	280	2.24	-	33.71	6.59	34.76
AV	4.90396G	50.99	54.00	-3.01	45.45	3	Horizontal	280	2.24	-	33.71	6.59	34.76
PK	7.35704G	59.76	74.00	-14.24	50.07	3	Horizontal	83	2.05	-	36.86	7.88	35.05
AV	7.35468G	53.88	54.00	-0.12	44.20	3	Horizontal	83	2.05	-	36.85	7.88	35.05

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2457MHz_TX



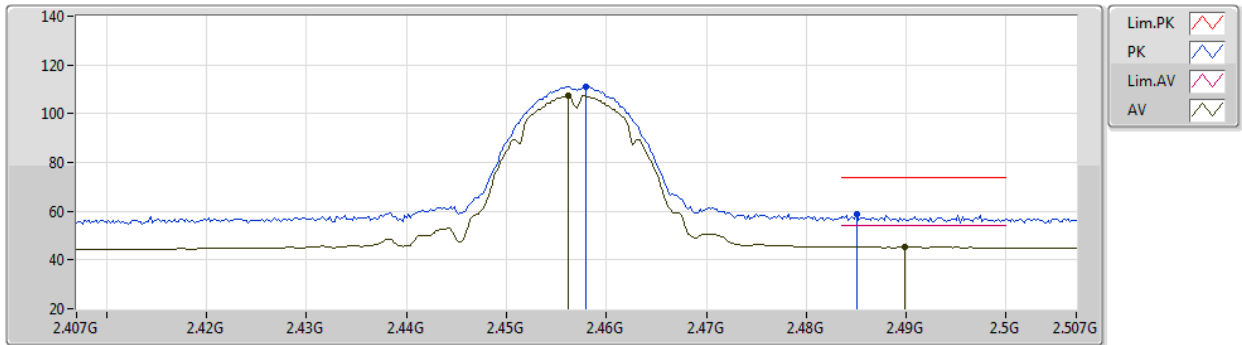
EUT Y_2TX
Setting 78
03-A-A-3

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	2.458G	111.48	Inf	-Inf	79.24	3	Vertical	224	1.50	-	28.47	3.77	-
AV	2.4562G	107.53	Inf	-Inf	75.29	3	Vertical	224	1.50	-	28.47	3.77	-
PK	2.485G	59.01	74.00	-14.99	26.66	3	Vertical	224	1.50	-	28.56	3.79	-
AV	2.4856G	45.52	54.00	-8.48	13.17	3	Vertical	224	1.50	-	28.56	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2457MHz_TX



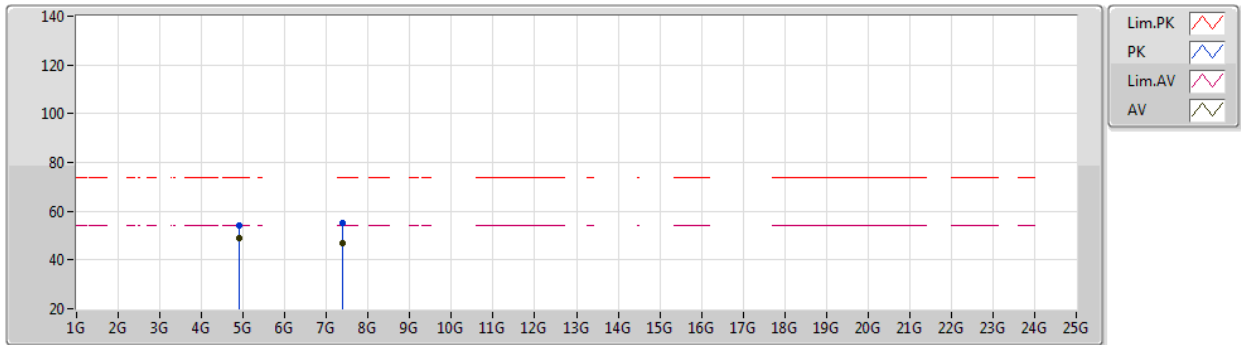
EUT Y_2TX
Setting 78
03-A-A-3

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	2.458G	111.25	Inf	-Inf	79.01	3	Horizontal	224	1.50	-	28.47	3.77	-
AV	2.4562G	107.30	Inf	-Inf	75.06	3	Horizontal	224	1.50	-	28.47	3.77	-
PK	2.485G	58.60	74.00	-15.40	26.25	3	Horizontal	224	1.50	-	28.56	3.79	-
AV	2.4898G	45.40	54.00	-8.60	13.04	3	Horizontal	224	1.50	-	28.57	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2457MHz_TX



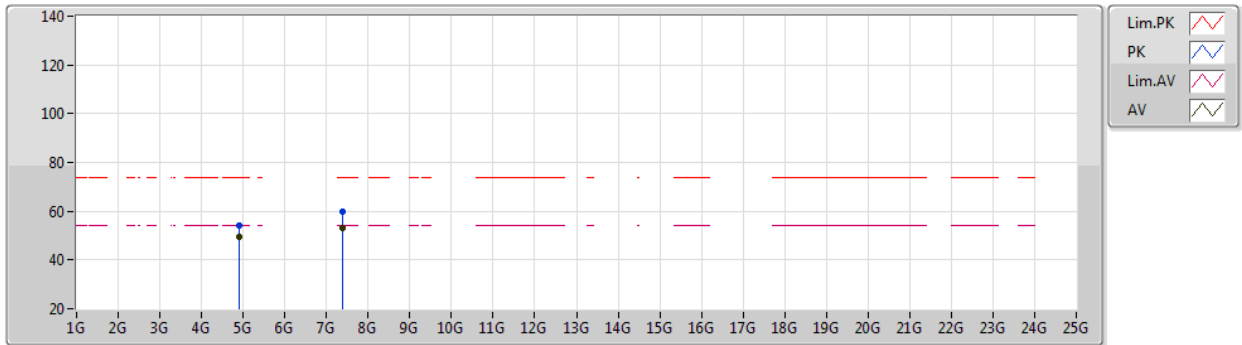
EUT Y_2TX
Setting 78
03-A-A-3

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	4.91405G	53.96	74.00	-20.04	48.39	3	Vertical	131	2.06	-	33.73	6.59	34.75
AV	4.91393G	48.97	54.00	-5.03	43.40	3	Vertical	131	2.06	-	33.73	6.59	34.75
PK	7.37184G	55.43	74.00	-18.57	45.73	3	Vertical	168	1.77	-	36.87	7.88	35.05
AV	7.37164G	47.10	54.00	-6.90	37.40	3	Vertical	168	1.77	-	36.87	7.88	35.05

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2457MHz_TX



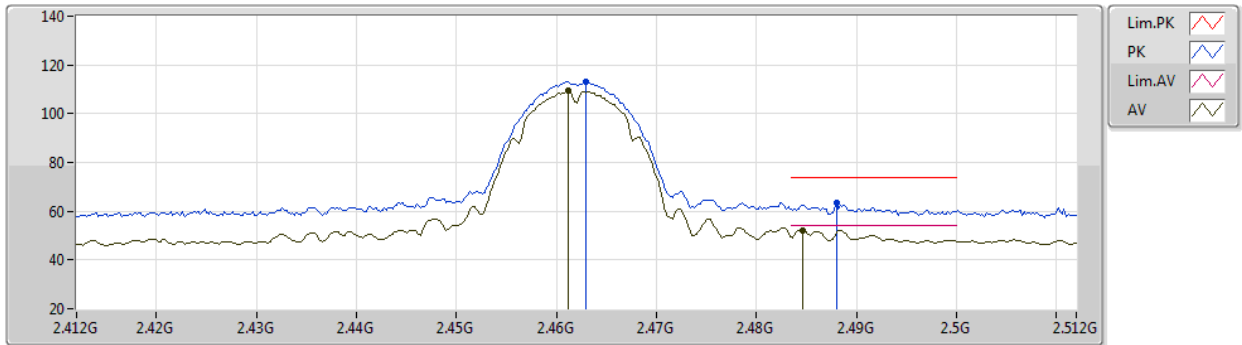
EUT Y_2TX
Setting 78
03-A-A-3

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	4.91385G	53.96	74.00	-20.04	48.39	3	Horizontal	286	2.04	-	33.73	6.59	34.75
AV	4.91396G	49.62	54.00	-4.38	44.05	3	Horizontal	286	2.04	-	33.73	6.59	34.75
PK	7.37184G	59.69	74.00	-14.31	49.99	3	Horizontal	86	2.05	-	36.87	7.88	35.05
AV	7.37168G	53.32	54.00	-0.68	43.62	3	Horizontal	86	2.05	-	36.87	7.88	35.05

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2462MHz_TX



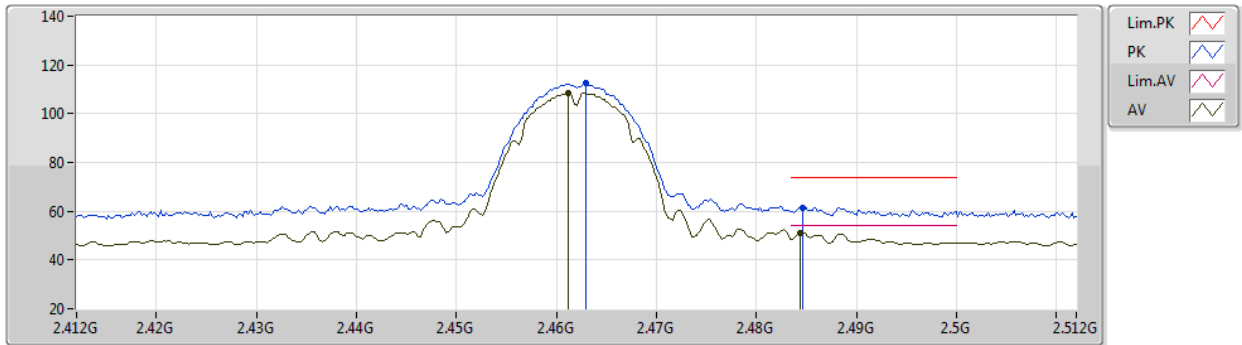
EUT Y_2TX
Setting 84
03-A-C-4

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	113.11	Inf	-Inf	80.84	3	Vertical	168	1.48	-	28.49	3.78	-
AV	2.4612G	109.26	Inf	-Inf	77.00	3	Vertical	168	1.48	-	28.48	3.78	-
PK	2.488G	63.62	74.00	-10.38	31.27	3	Vertical	168	1.48	-	28.56	3.79	-
AV	2.4846G	52.23	54.00	-1.77	19.89	3	Vertical	168	1.48	-	28.55	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2462MHz_TX



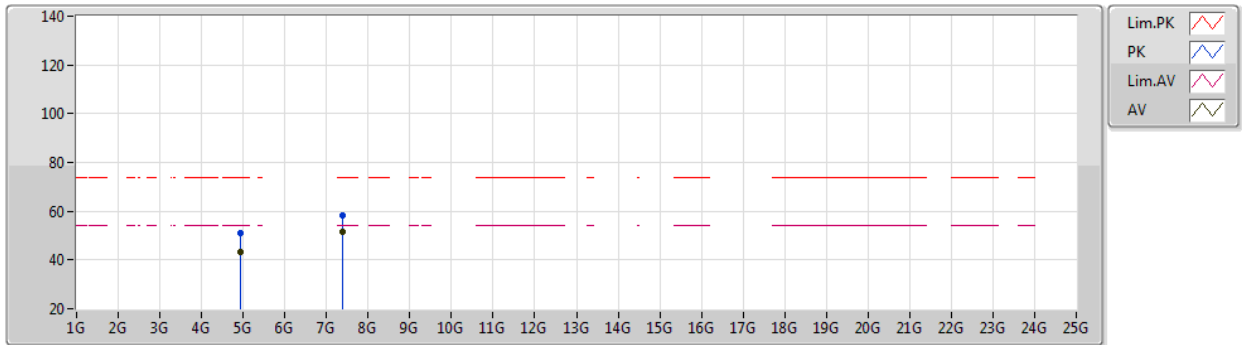
EUT Y_2TX
Setting 84
03-A-C-4

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	112.40	Inf	-Inf	80.13	3	Horizontal	217	2.13	-	28.49	3.78	-
AV	2.4612G	108.50	Inf	-Inf	76.24	3	Horizontal	217	2.13	-	28.48	3.78	-
PK	2.4846G	61.54	74.00	-12.46	29.20	3	Horizontal	217	2.13	-	28.55	3.79	-
AV	2.4844G	51.13	54.00	-2.87	18.79	3	Horizontal	217	2.13	-	28.55	3.79	-

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2462MHz_TX



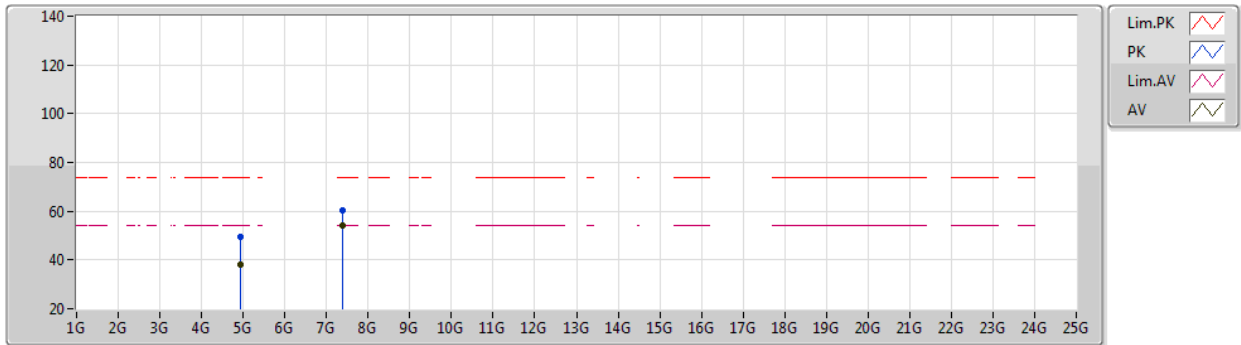
EUT Y_2TX
Setting 84
03-A-C-4

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	4.92411G	51.19	74.00	-22.81	45.58	3	Vertical	308	2.20	-	33.75	6.60	34.74
AV	4.92397G	43.46	54.00	-10.54	37.85	3	Vertical	308	2.20	-	33.75	6.60	34.74
PK	7.38492G	58.45	74.00	-15.55	48.73	3	Vertical	85	1.64	-	36.88	7.89	35.05
AV	7.38516G	51.55	54.00	-2.45	41.82	3	Vertical	85	1.64	-	36.89	7.89	35.05

802.11b_Nss1,(1Mbps)_2TX

10/02/2020

2462MHz_TX



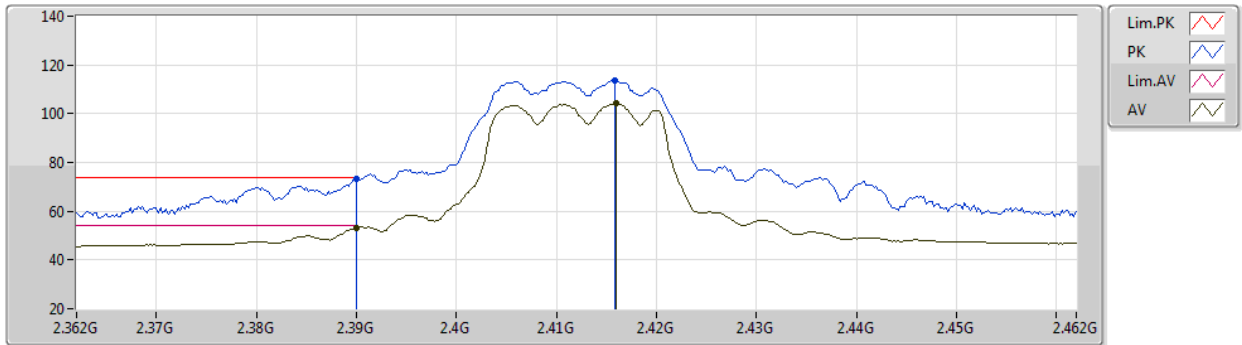
EUT Y_2TX
Setting 84
03-A-C-4

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	4.92397G	49.42	74.00	-24.58	43.81	3	Horizontal	284	1.80	-	33.75	6.60	34.74
AV	4.92397G	38.26	54.00	-15.74	32.65	3	Horizontal	284	1.80	-	33.75	6.60	34.74
PK	7.38492G	60.28	74.00	-13.72	50.56	3	Horizontal	54	1.84	-	36.88	7.89	35.05
AV	7.3852G	53.94	54.00	-0.06	44.21	3	Horizontal	54	1.84	-	36.89	7.89	35.05

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2412MHz_TX



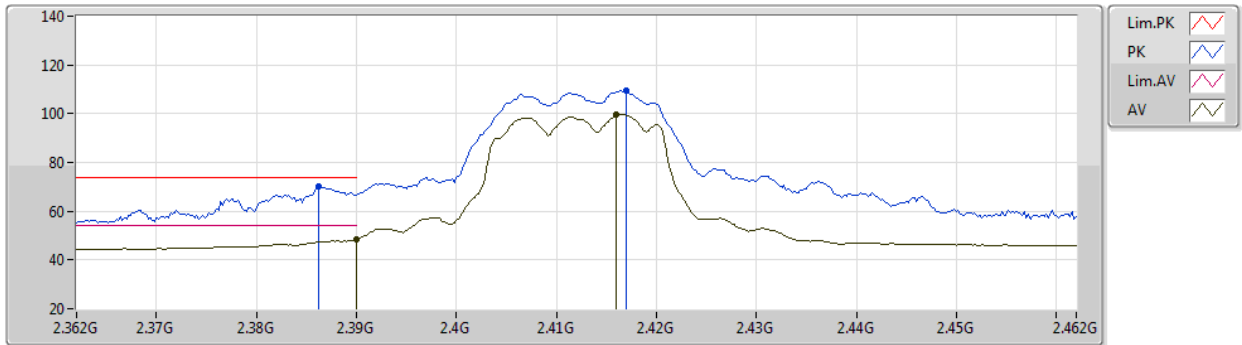
EUT Y_2TX
Setting 60
03-A-J-5

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	73.32	74.00	-0.68	41.31	3	Vertical	179	1.39	-	28.28	3.73	-
AV	2.39G	53.00	54.00	-1.00	20.99	3	Vertical	179	1.39	-	28.28	3.73	-
PK	2.4158G	113.84	Inf	-Inf	81.74	3	Vertical	179	1.39	-	28.35	3.75	-
AV	2.416G	104.45	Inf	-Inf	72.35	3	Vertical	179	1.39	-	28.35	3.75	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2412MHz_TX



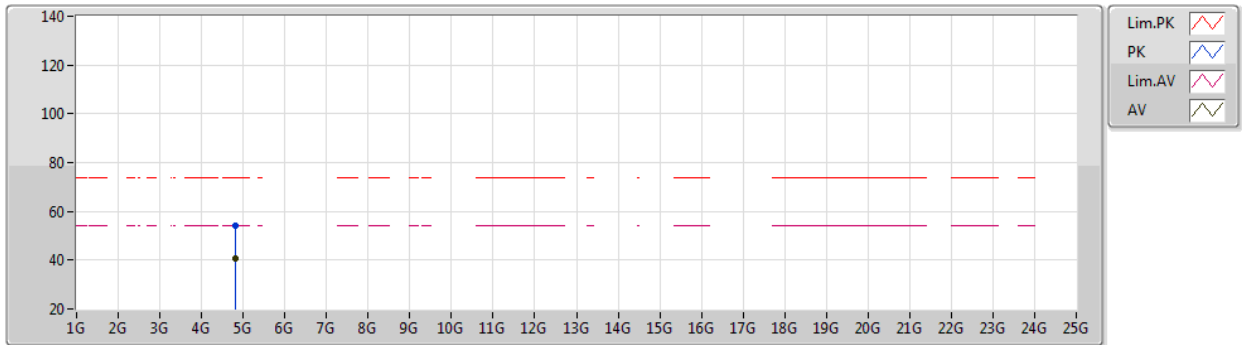
EUT Y_2TX
Setting 60
03-A-J-5

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	2.3862G	69.94	74.00	-4.06	37.94	3	Horizontal	217	1.89	-	28.27	3.73	-
AV	2.39G	48.48	54.00	-5.52	16.47	3	Horizontal	217	1.89	-	28.28	3.73	-
PK	2.417G	109.53	Inf	-Inf	77.43	3	Horizontal	217	1.89	-	28.35	3.75	-
AV	2.416G	99.87	Inf	-Inf	67.77	3	Horizontal	217	1.89	-	28.35	3.75	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2412MHz_TX



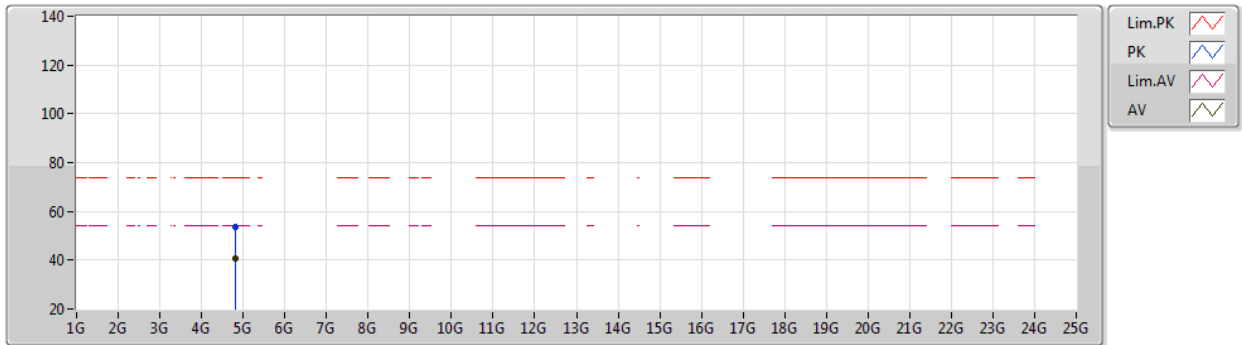
EUT Y_2TX
Setting 60
03-A-J-5

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	4.8201G	54.25	74.00	-19.75	48.96	3	Vertical	0	2.25	-	33.54	6.57	34.82
AV	4.8252G	40.94	54.00	-13.06	35.64	3	Vertical	0	2.25	-	33.55	6.57	34.82

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2412MHz_TX



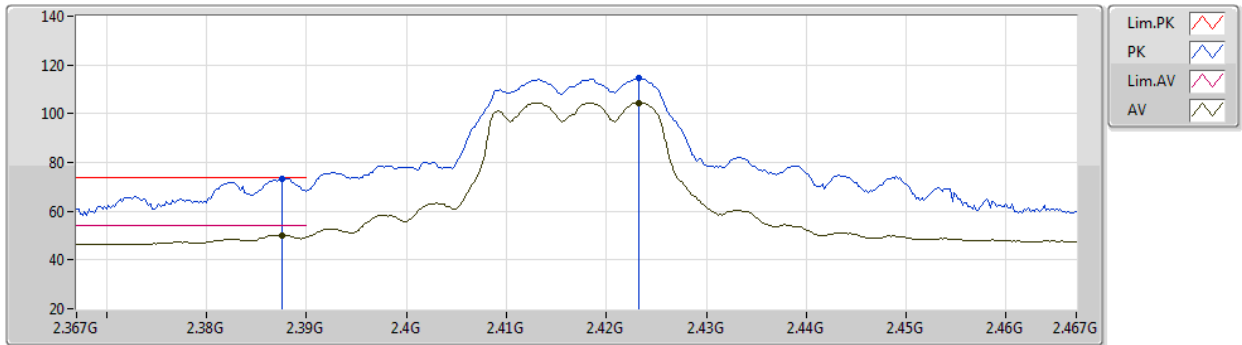
EUT Y_2TX
Setting 60
03-A-J-5

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	4.82322G	53.82	74.00	-20.18	48.52	3	Horizontal	297	2.14	-	33.55	6.57	34.82
AV	4.82334G	40.91	54.00	-13.09	35.61	3	Horizontal	297	2.14	-	33.55	6.57	34.82

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2417MHz_TX



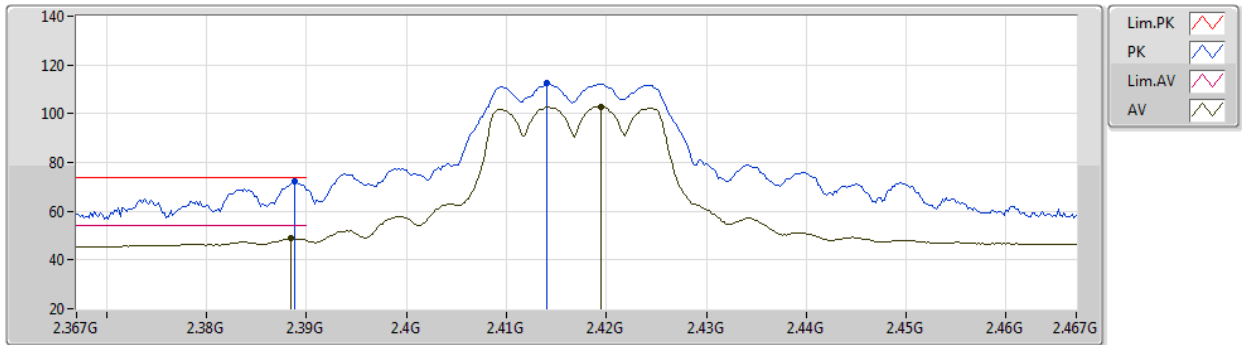
EUT Y_2TX
Setting 64
03-A-J-5

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	2.3876G	73.37	74.00	-0.63	41.36	3	Vertical	178	1.17	-	28.28	3.73	-
AV	2.3876G	50.23	54.00	-3.77	18.22	3	Vertical	178	1.17	-	28.28	3.73	-
PK	2.4232G	114.41	Inf	-Inf	82.29	3	Vertical	178	1.17	-	28.37	3.75	-
AV	2.4232G	104.50	Inf	-Inf	72.38	3	Vertical	178	1.17	-	28.37	3.75	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2417MHz_TX



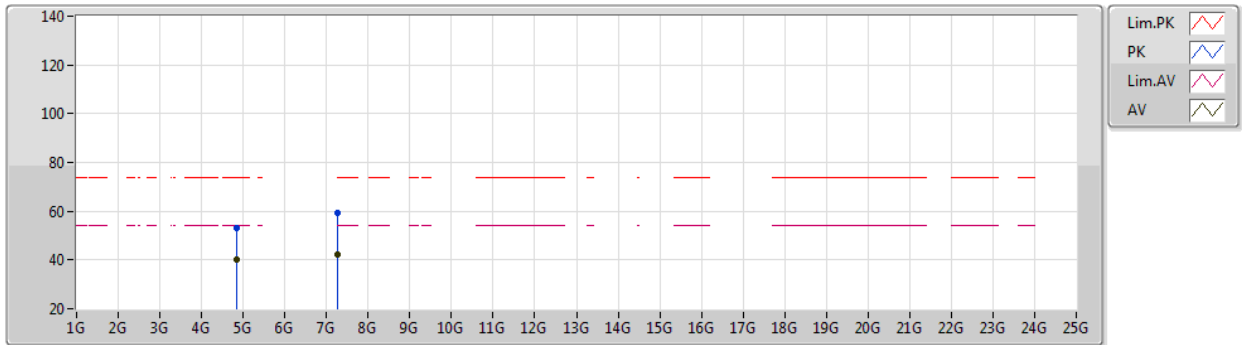
EUT Y_2TX
Setting 64
03-A-J-5

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	72.05	74.00	-1.95	40.04	3	Horizontal	220	1.80	-	28.28	3.73	-
AV	2.3884G	48.83	54.00	-5.17	16.82	3	Horizontal	220	1.80	-	28.28	3.73	-
PK	2.414G	112.61	Inf	-Inf	80.52	3	Horizontal	220	1.80	-	28.34	3.75	-
AV	2.4194G	102.97	Inf	-Inf	70.86	3	Horizontal	220	1.80	-	28.36	3.75	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2417MHz_TX



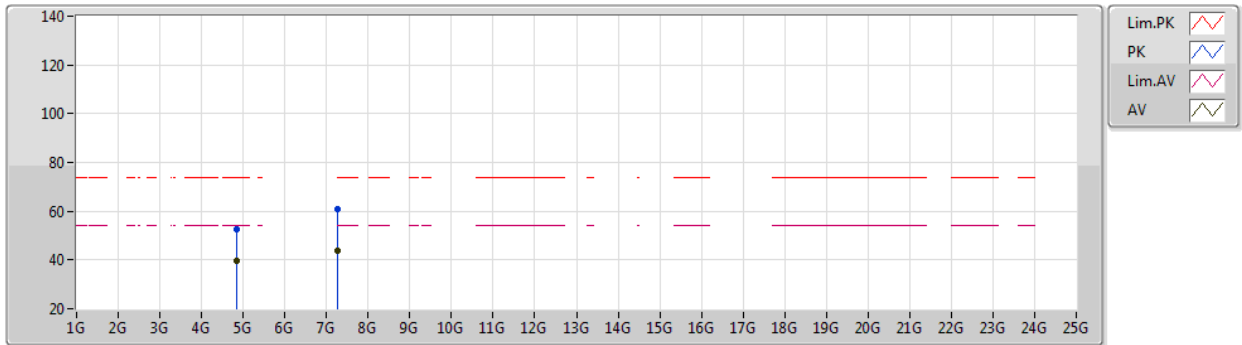
EUT Y_2TX
Setting 64
03-A-A-3

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	4.83478G	53.08	74.00	-20.92	47.75	3	Vertical	9	1.95	-	33.57	6.57	34.81
AV	4.83496G	40.33	54.00	-13.67	35.00	3	Vertical	9	1.95	-	33.57	6.57	34.81
PK	7.25268G	59.20	74.00	-14.80	49.83	3	Vertical	82	1.00	-	36.56	7.87	35.06
AV	7.25316G	42.30	54.00	-11.70	32.92	3	Vertical	82	1.00	-	36.57	7.87	35.06

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2417MHz_TX



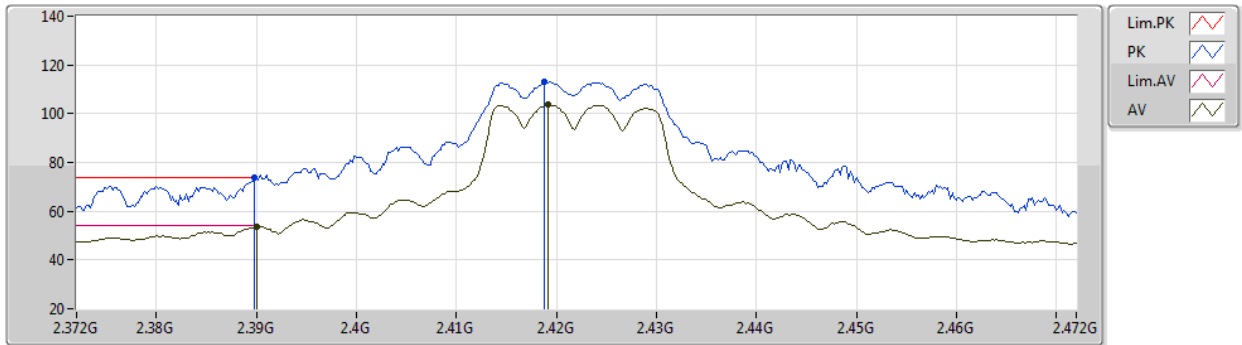
EUT Y_2TX
Setting 64
03-A-A-3

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	4.83324G	52.53	74.00	-21.47	47.20	3	Horizontal	285	2.16	-	33.57	6.57	34.81
AV	4.83396G	39.87	54.00	-14.13	34.54	3	Horizontal	285	2.16	-	33.57	6.57	34.81
PK	7.25268G	60.95	74.00	-13.05	51.58	3	Horizontal	140	1.80	-	36.56	7.87	35.06
AV	7.25298G	43.88	54.00	-10.12	34.51	3	Horizontal	140	1.80	-	36.56	7.87	35.06

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2422MHz_TX



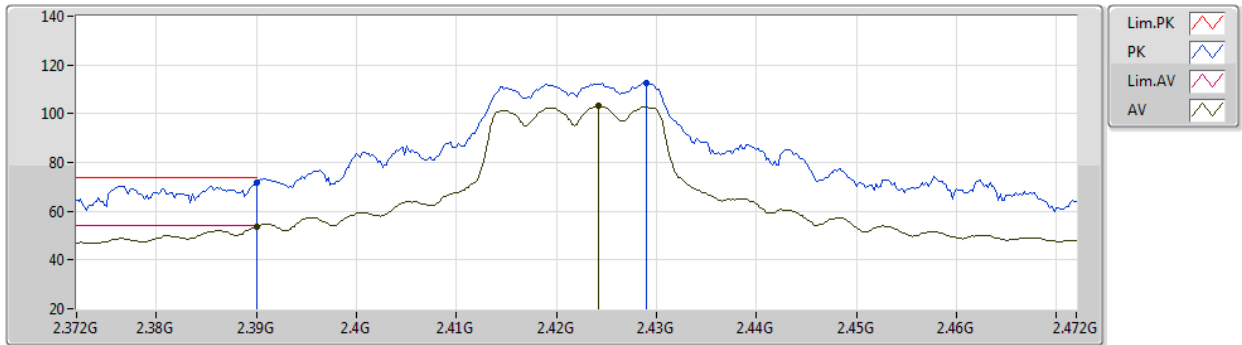
EUT Y_2TX
Setting 77
03-A-A-3

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	73.57	74.00	-0.43	41.56	3	Vertical	132	1.00	-	28.28	3.73	-
AV	2.39G	53.47	54.00	-0.53	21.46	3	Vertical	132	1.00	-	28.28	3.73	-
PK	2.4188G	113.14	Inf	-Inf	81.03	3	Vertical	132	1.00	-	28.36	3.75	-
AV	2.4192G	103.79	Inf	-Inf	71.68	3	Vertical	132	1.00	-	28.36	3.75	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2422MHz_TX



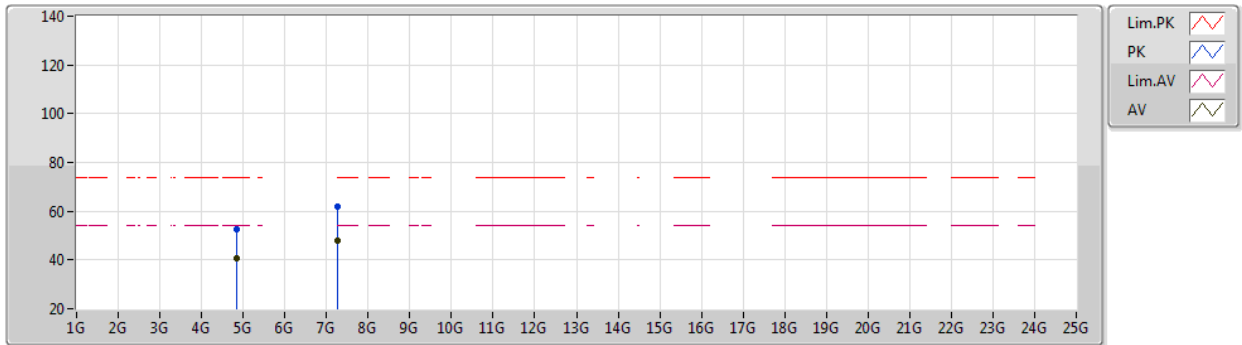
EUT Y_2TX
Setting 77
03-A-A-3

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	71.81	74.00	-2.19	39.80	3	Horizontal	225	1.55	-	28.28	3.73	-
AV	2.39G	53.72	54.00	-0.28	21.71	3	Horizontal	225	1.55	-	28.28	3.73	-
PK	2.429G	112.58	Inf	-Inf	80.43	3	Horizontal	225	1.55	-	28.39	3.76	-
AV	2.4242G	103.15	Inf	-Inf	71.03	3	Horizontal	225	1.55	-	28.37	3.75	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2422MHz_TX



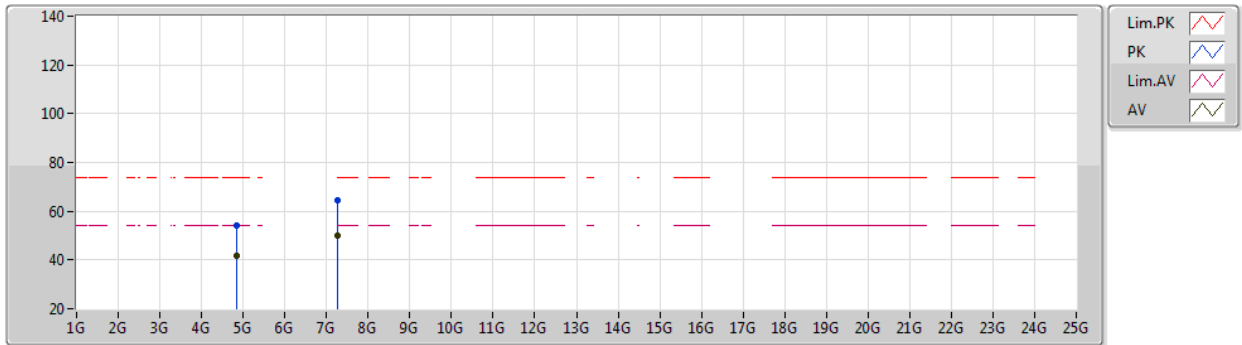
EUT Y_2TX
Setting 77
03-A-A-3

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	4.84022G	52.82	74.00	-21.18	47.48	3	Vertical	7	2.18	-	33.58	6.57	34.81
AV	4.84478G	40.75	54.00	-13.25	35.39	3	Vertical	7	2.18	-	33.59	6.57	34.80
PK	7.26744G	61.75	74.00	-12.25	52.30	3	Vertical	89	1.00	-	36.64	7.87	35.06
AV	7.26624G	47.77	54.00	-6.23	38.33	3	Vertical	89	1.00	-	36.63	7.87	35.06

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2422MHz_TX



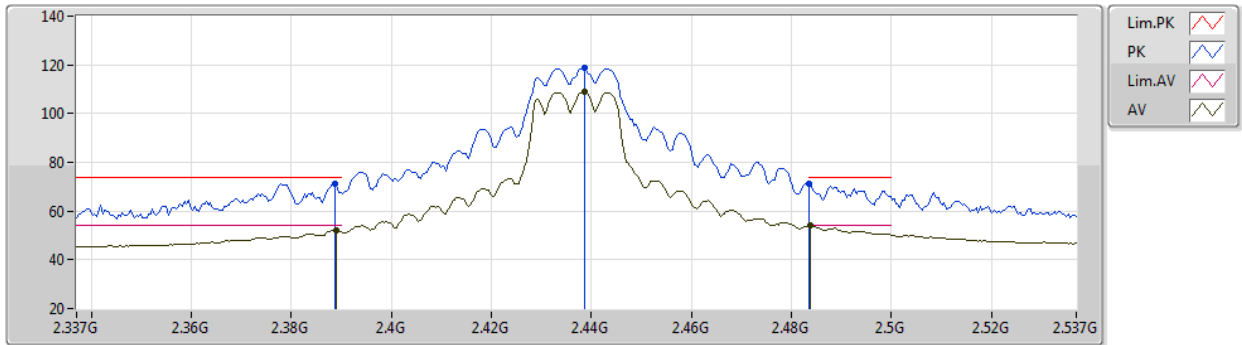
EUT Y_2TX
Setting 77
03-A-A-3

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	4.8434G	54.32	74.00	-19.68	48.97	3	Horizontal	287	2.22	-	33.59	6.57	34.81
AV	4.8431G	41.76	54.00	-12.24	36.41	3	Horizontal	287	2.22	-	33.59	6.57	34.81
PK	7.26054G	64.47	74.00	-9.53	55.06	3	Horizontal	142	1.82	-	36.60	7.87	35.06
AV	7.2657G	50.10	54.00	-3.90	40.66	3	Horizontal	142	1.82	-	36.63	7.87	35.06

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2437MHz_TX



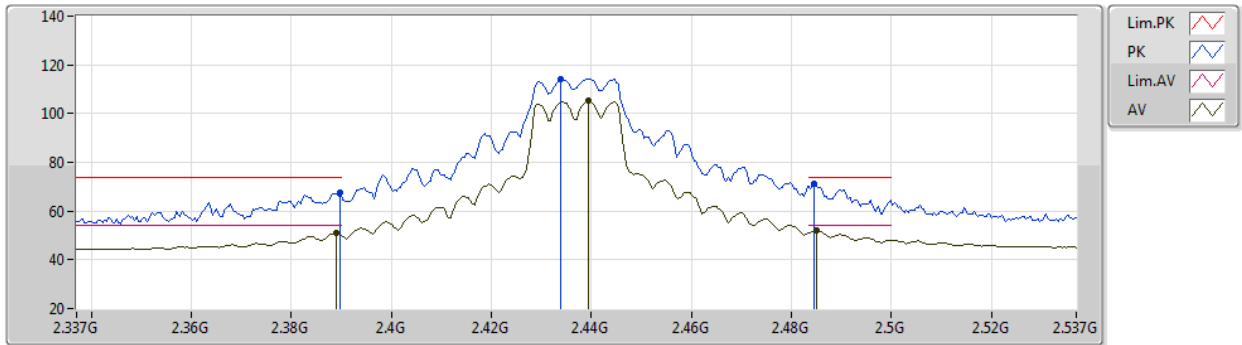
EUT Y_2TX
Setting 79
03-A-J-5

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	71.28	74.00	-2.72	39.27	3	Vertical	180	1.00	-	28.28	3.73	-
AV	2.389G	52.27	54.00	-1.73	20.26	3	Vertical	180	1.00	-	28.28	3.73	-
PK	2.4386G	118.76	Inf	-Inf	86.58	3	Vertical	180	1.00	-	28.42	3.76	-
AV	2.4386G	108.86	Inf	-Inf	76.68	3	Vertical	180	1.00	-	28.42	3.76	-
PK	2.4835G	71.16	74.00	-2.84	38.82	3	Vertical	180	1.00	-	28.55	3.79	-
AV	2.4838G	53.92	54.00	-0.08	21.58	3	Vertical	180	1.00	-	28.55	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2437MHz_TX



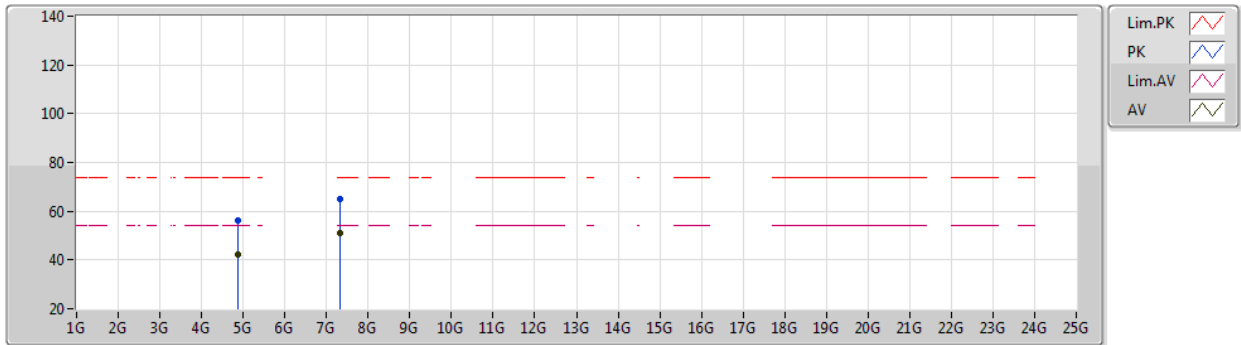
EUT Y_2TX
Setting 79
03-A-J-5

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	67.55	74.00	-6.45	35.54	3	Horizontal	218	1.52	-	28.28	3.73	-
AV	2.389G	50.79	54.00	-3.21	18.78	3	Horizontal	218	1.52	-	28.28	3.73	-
PK	2.4338G	114.32	Inf	-Inf	82.16	3	Horizontal	218	1.52	-	28.40	3.76	-
AV	2.4394G	105.09	Inf	-Inf	72.91	3	Horizontal	218	1.52	-	28.42	3.76	-
PK	2.4846G	71.45	74.00	-2.55	39.11	3	Horizontal	218	1.52	-	28.55	3.79	-
AV	2.485G	52.09	54.00	-1.91	19.74	3	Horizontal	218	1.52	-	28.56	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2437MHz_TX



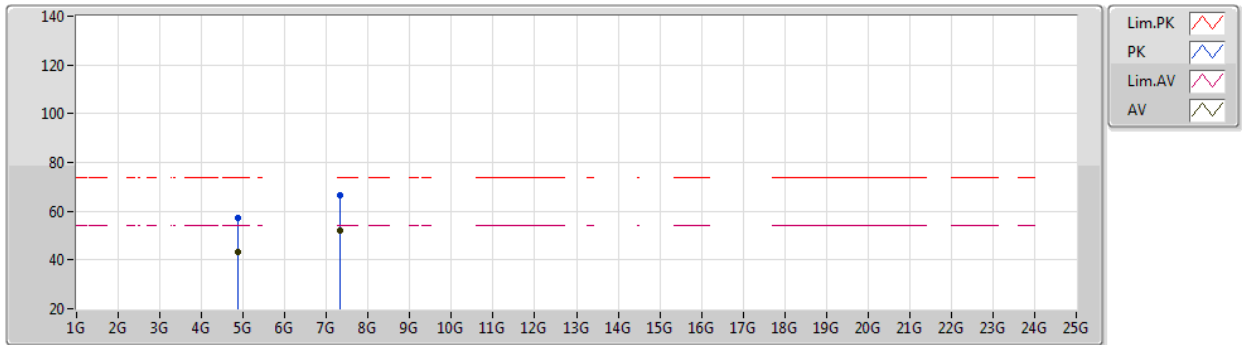
EUT Y_2TX
Setting 79
03-A-J-5

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	4.86962G	56.42	74.00	-17.58	50.98	3	Vertical	4	2.33	-	33.64	6.58	34.78
AV	4.87058G	42.27	54.00	-11.73	36.83	3	Vertical	4	2.33	-	33.64	6.58	34.78
PK	7.31226G	65.08	74.00	-8.92	55.46	3	Vertical	90	1.00	-	36.81	7.87	35.06
AV	7.31232G	51.14	54.00	-2.86	41.52	3	Vertical	90	1.00	-	36.81	7.87	35.06

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2437MHz_TX



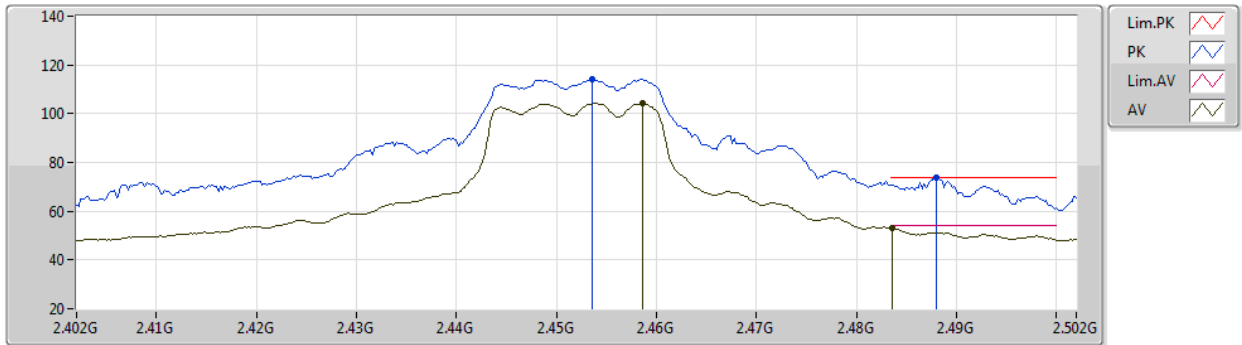
EUT Y_2TX
Setting 79
03-A-J-5

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	4.87376G	57.28	74.00	-16.72	51.83	3	Horizontal	281	2.20	-	33.65	6.58	34.78
AV	4.87466G	43.18	54.00	-10.82	37.73	3	Horizontal	281	2.20	-	33.65	6.58	34.78
PK	7.31502G	66.42	74.00	-7.58	56.79	3	Horizontal	139	1.98	-	36.82	7.87	35.06
AV	7.31076G	52.12	54.00	-1.88	42.50	3	Horizontal	139	1.98	-	36.81	7.87	35.06

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2452MHz_TX



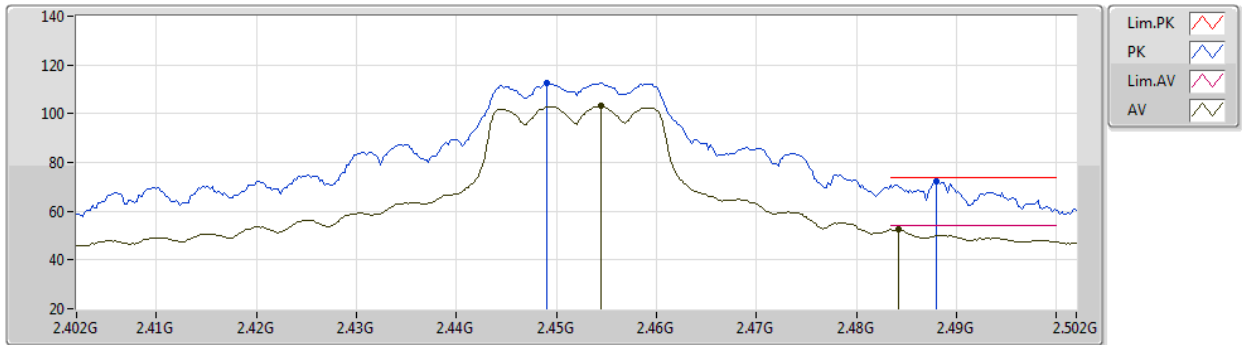
EUT Y_2TX
Setting 79
03-A-A-3

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	2.4536G	114.02	Inf	-Inf	81.79	3	Vertical	179	1.14	-	28.46	3.77	-
AV	2.4586G	104.20	Inf	-Inf	71.94	3	Vertical	179	1.14	-	28.48	3.78	-
PK	2.488G	73.97	74.00	-0.03	41.62	3	Vertical	179	1.14	-	28.56	3.79	-
AV	2.4836G	53.15	54.00	-0.85	20.81	3	Vertical	179	1.14	-	28.55	3.79	-

802.11g_Nss1,(6Mbps)_2TX

2452MHz_TX

10/02/2020



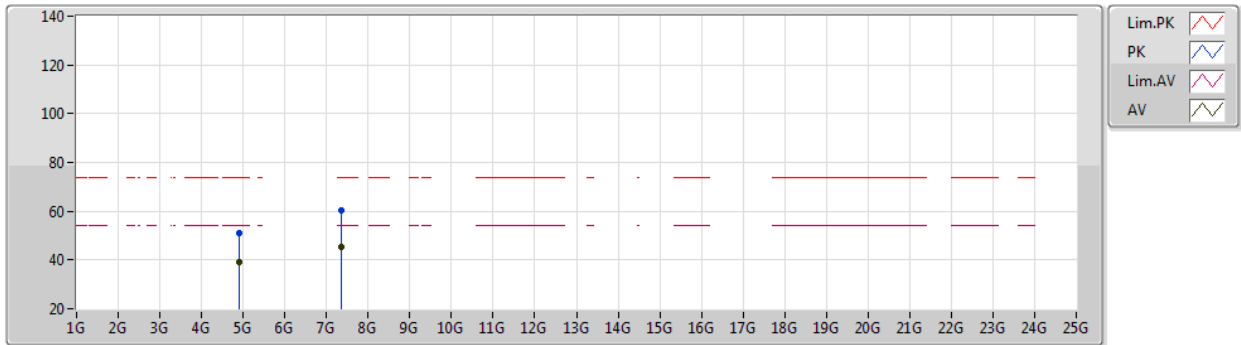
EUT Y_2TX
Setting 79
03-A-A-3

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	2.449G	112.51	Inf	-Inf	80.29	3	Horizontal	226	1.51	-	28.45	3.77	-
AV	2.4544G	103.03	Inf	-Inf	70.80	3	Horizontal	226	1.51	-	28.46	3.77	-
PK	2.488G	72.23	74.00	-1.77	39.88	3	Horizontal	226	1.51	-	28.56	3.79	-
AV	2.4842G	52.41	54.00	-1.59	20.07	3	Horizontal	226	1.51	-	28.55	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2452MHz_TX



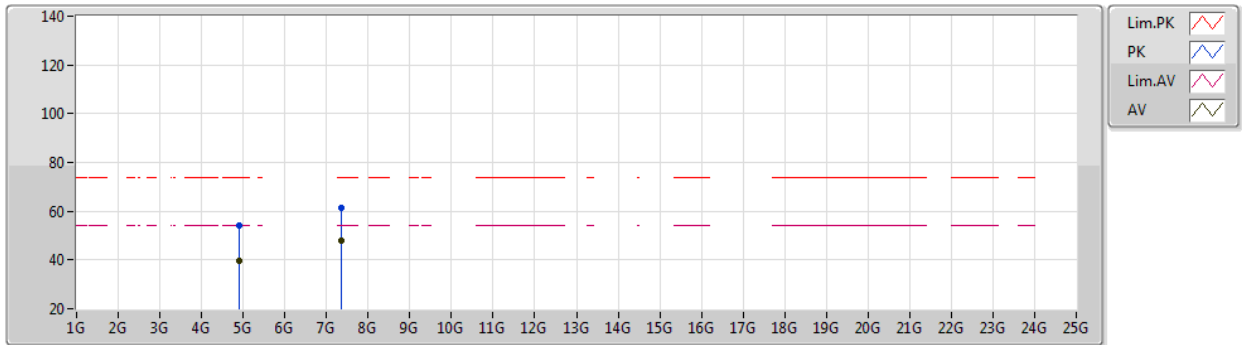
EUT Y_2TX
Setting 79
03-A-A-3

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	4.90586G	51.25	74.00	-22.75	45.70	3	Vertical	3	1.80	-	33.71	6.59	34.75
AV	4.90484G	38.94	54.00	-15.06	33.40	3	Vertical	3	1.80	-	33.71	6.59	34.76
PK	7.35744G	60.22	74.00	-13.78	50.53	3	Vertical	85	1.00	-	36.86	7.88	35.05
AV	7.3569G	45.46	54.00	-8.54	35.77	3	Vertical	85	1.00	-	36.86	7.88	35.05

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2452MHz_TX



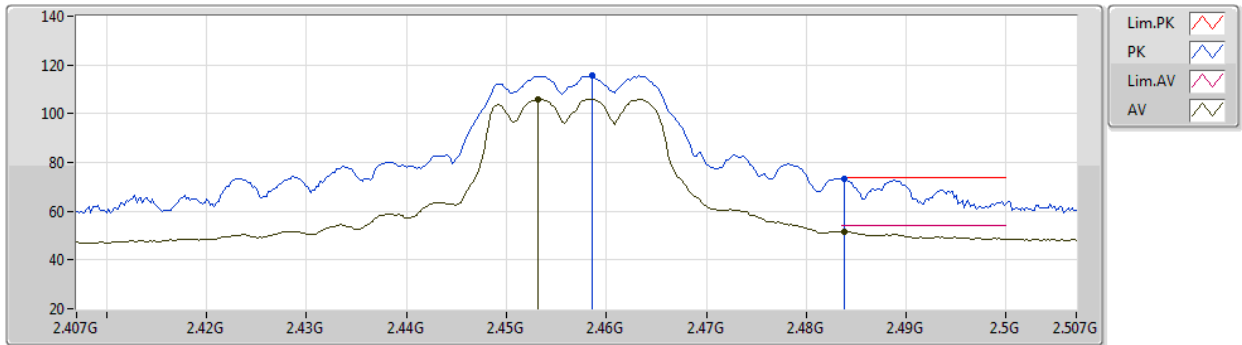
EUT Y_2TX
Setting 79
03-A-A-3

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	4.89944G	54.14	74.00	-19.86	48.61	3	Horizontal	286	2.24	-	33.70	6.59	34.76
AV	4.90376G	39.88	54.00	-14.12	34.34	3	Horizontal	286	2.24	-	33.71	6.59	34.76
PK	7.35066G	61.33	74.00	-12.67	51.65	3	Horizontal	142	1.80	-	36.85	7.88	35.05
AV	7.3512G	47.70	54.00	-6.30	38.02	3	Horizontal	142	1.80	-	36.85	7.88	35.05

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2457MHz_TX



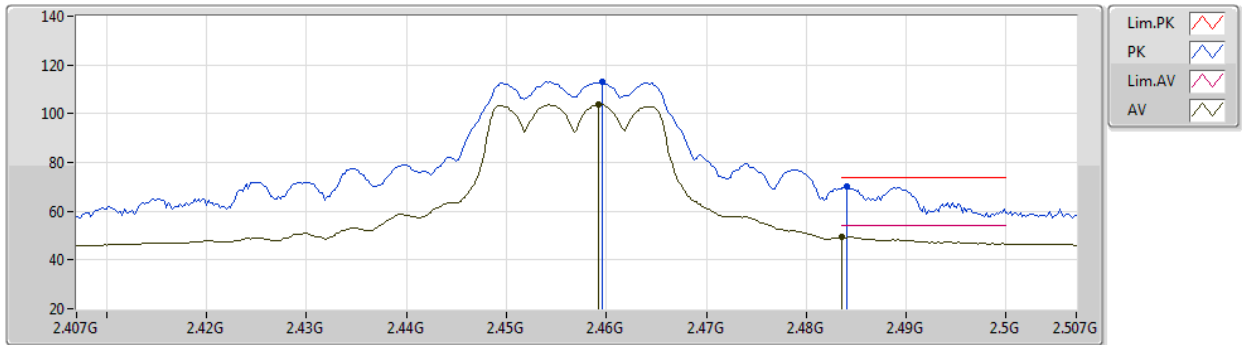
EUT Y_2TX
Setting 67
03-A-J-5

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	115.70	Inf	-Inf	83.44	3	Vertical	179	1.24	-	28.48	3.78	-
AV	2.4532G	105.87	Inf	-Inf	73.64	3	Vertical	179	1.24	-	28.46	3.77	-
PK	2.4838G	73.38	74.00	-0.62	41.04	3	Vertical	179	1.24	-	28.55	3.79	-
AV	2.4838G	51.63	54.00	-2.37	19.29	3	Vertical	179	1.24	-	28.55	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2457MHz_TX



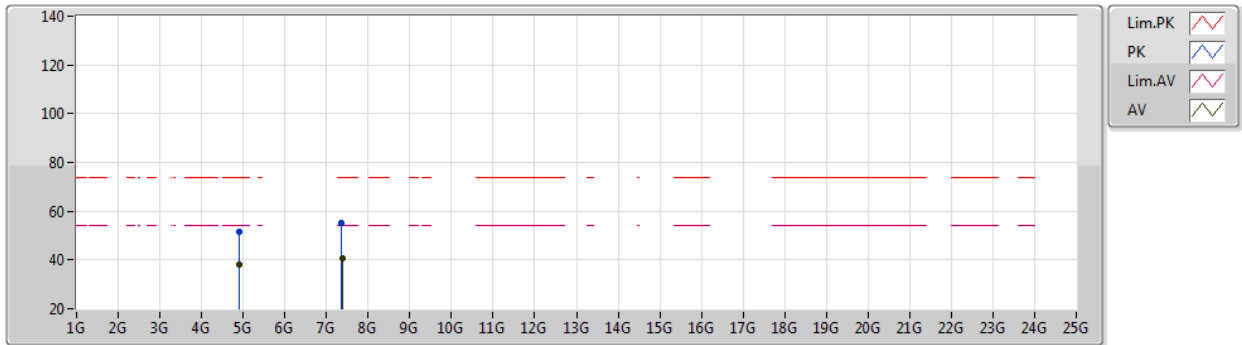
EUT Y_2TX
Setting 67
03-A-J-5

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	2.4596G	112.98	Inf	-Inf	80.72	3	Horizontal	218	1.90	-	28.48	3.78	-
AV	2.4592G	103.75	Inf	-Inf	71.49	3	Horizontal	218	1.90	-	28.48	3.78	-
PK	2.484G	70.11	74.00	-3.89	37.77	3	Horizontal	218	1.90	-	28.55	3.79	-
AV	2.4835G	49.44	54.00	-4.56	17.10	3	Horizontal	218	1.90	-	28.55	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2457MHz_TX



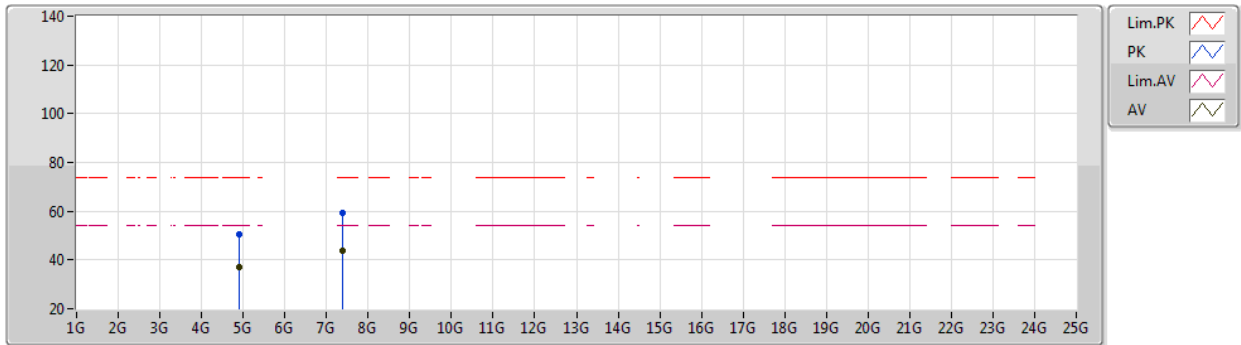
EUT Y_2TX
Setting 67
03-A-A-3

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	4.9149G	51.60	74.00	-22.40	46.03	3	Vertical	0	2.04	-	33.73	6.59	34.75
AV	4.90992G	38.23	54.00	-15.77	32.67	3	Vertical	0	2.04	-	33.72	6.59	34.75
PK	7.37016G	55.21	74.00	-18.79	45.51	3	Vertical	87	1.04	-	36.87	7.88	35.05
AV	7.37454G	40.87	54.00	-13.13	31.17	3	Vertical	87	1.04	-	36.87	7.88	35.05

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2457MHz_TX



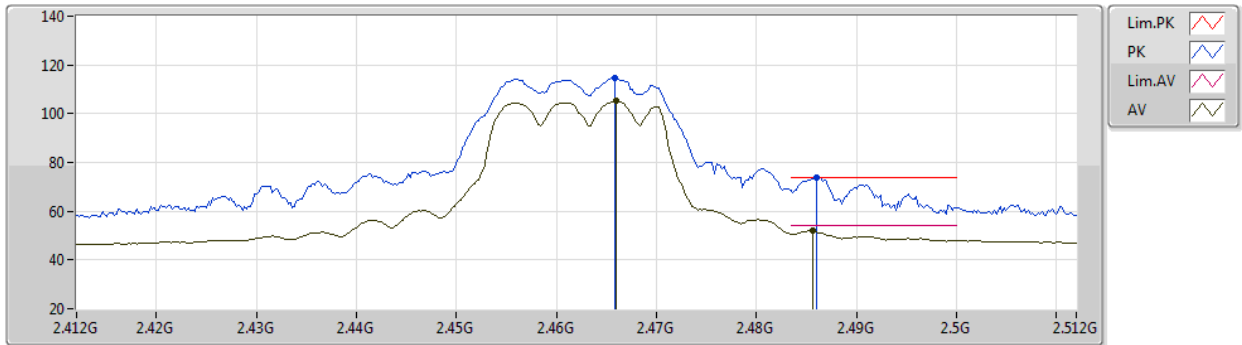
EUT Y_2TX
Setting 67
03-A-A-3

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	4.91442G	50.40	74.00	-23.60	44.83	3	Horizontal	285	2.16	-	33.73	6.59	34.75
AV	4.91418G	37.25	54.00	-16.75	31.68	3	Horizontal	285	2.16	-	33.73	6.59	34.75
PK	7.3722G	59.23	74.00	-14.77	49.53	3	Horizontal	83	2.01	-	36.87	7.88	35.05
AV	7.37088G	43.56	54.00	-10.44	33.86	3	Horizontal	83	2.01	-	36.87	7.88	35.05

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2462MHz_TX



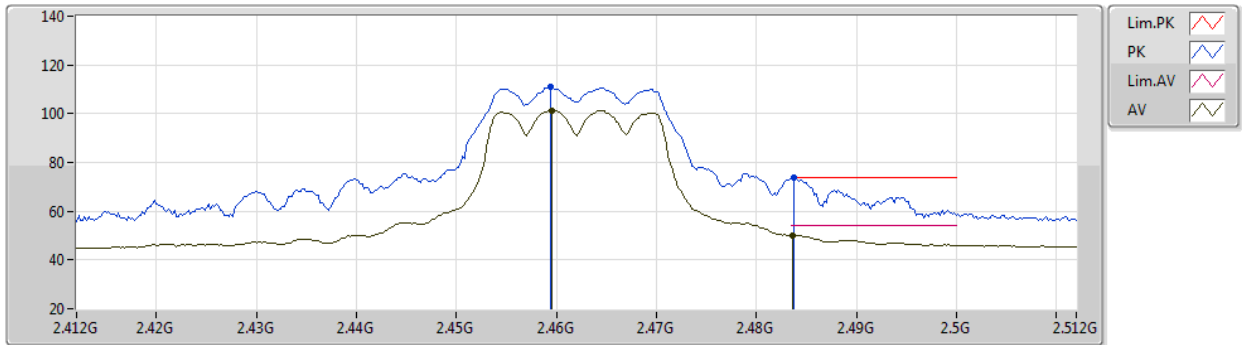
EUT Y_2TX
Setting 62
03-A-J-5

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	2.4658G	114.66	Inf	-Inf	82.38	3	Vertical	179	1.23	-	28.50	3.78	-
AV	2.466G	105.33	Inf	-Inf	73.05	3	Vertical	179	1.23	-	28.50	3.78	-
PK	2.486G	73.93	74.00	-0.07	41.58	3	Vertical	179	1.23	-	28.56	3.79	-
AV	2.4856G	51.88	54.00	-2.12	19.53	3	Vertical	179	1.23	-	28.56	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2462MHz_TX



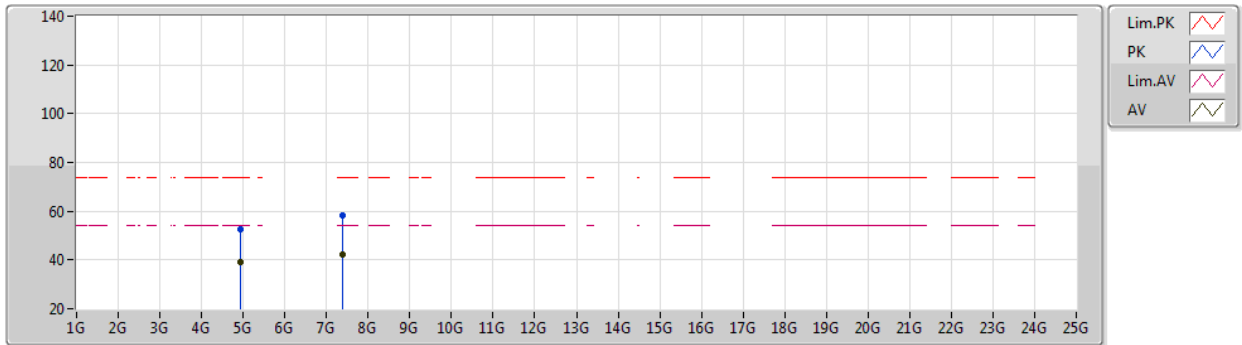
EUT Y_2TX
Setting 62
03-A-J-5

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	2.4594G	110.83	Inf	-Inf	78.57	3	Horizontal	220	1.11	-	28.48	3.78	-
AV	2.4596G	101.31	Inf	-Inf	69.05	3	Horizontal	220	1.11	-	28.48	3.78	-
PK	2.4838G	73.76	74.00	-0.24	41.42	3	Horizontal	220	1.11	-	28.55	3.79	-
AV	2.4836G	50.15	54.00	-3.85	17.81	3	Horizontal	220	1.11	-	28.55	3.79	-

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2462MHz_TX



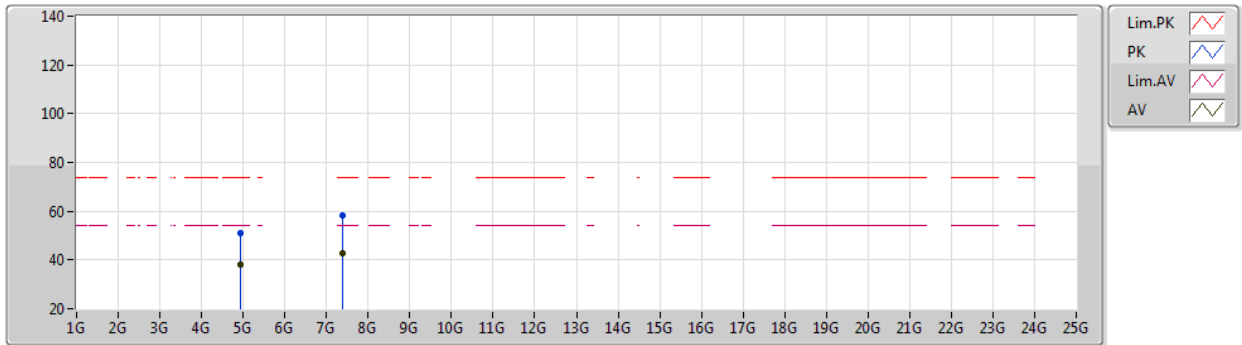
EUT Y_2TX
Setting 62
03-A-J-5

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	4.92516G	52.82	74.00	-21.18	47.21	3	Vertical	13	2.27	-	33.75	6.60	34.74
AV	4.92524G	38.92	54.00	-15.08	33.31	3	Vertical	13	2.27	-	33.75	6.60	34.74
PK	7.38788G	58.20	74.00	-15.80	48.47	3	Vertical	91	1.02	-	36.89	7.89	35.05
AV	7.3876G	42.22	54.00	-11.78	32.49	3	Vertical	91	1.02	-	36.89	7.89	35.05

802.11g_Nss1,(6Mbps)_2TX

10/02/2020

2462MHz_TX



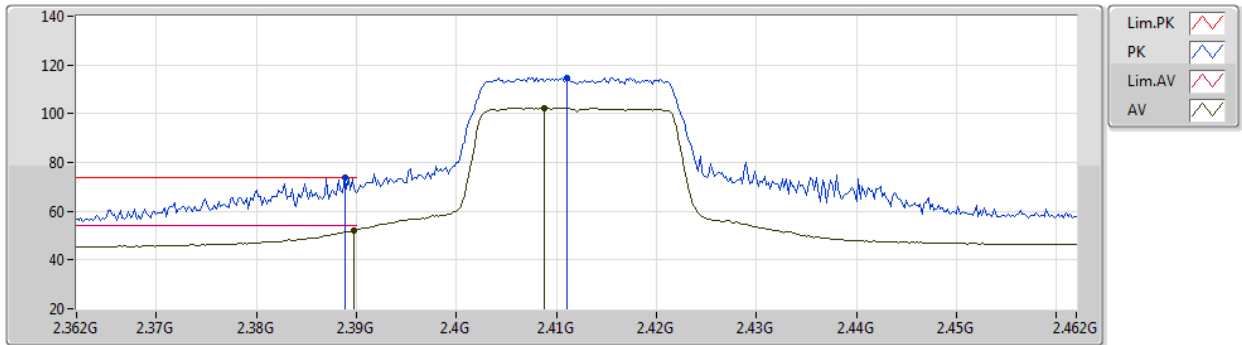
EUT Y_2TX
Setting 62
03-A-J-5

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	4.92344G	51.22	74.00	-22.78	45.61	3	Horizontal	304	2.19	-	33.75	6.60	34.74
AV	4.92416G	38.28	54.00	-15.72	32.67	3	Horizontal	304	2.19	-	33.75	6.60	34.74
PK	7.38708G	58.05	74.00	-15.95	48.32	3	Horizontal	143	1.78	-	36.89	7.89	35.05
AV	7.38596G	42.67	54.00	-11.33	32.94	3	Horizontal	143	1.78	-	36.89	7.89	35.05

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2412MHz_TX



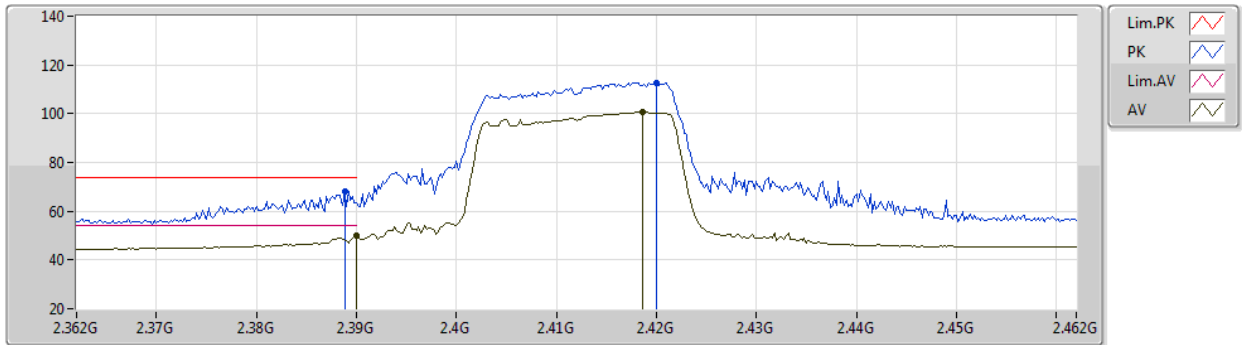
EUT Y_2TX
Setting 57
03-A-J-5

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	73.94	74.00	-0.06	41.93	3	Vertical	177	1.36	-	28.28	3.73	-
AV	2.3898G	52.30	54.00	-1.70	20.29	3	Vertical	177	1.36	-	28.28	3.73	-
PK	2.411G	114.79	Inf	-Inf	82.71	3	Vertical	177	1.36	-	28.33	3.75	-
AV	2.4088G	102.21	Inf	-Inf	70.13	3	Vertical	177	1.36	-	28.33	3.75	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2412MHz_TX



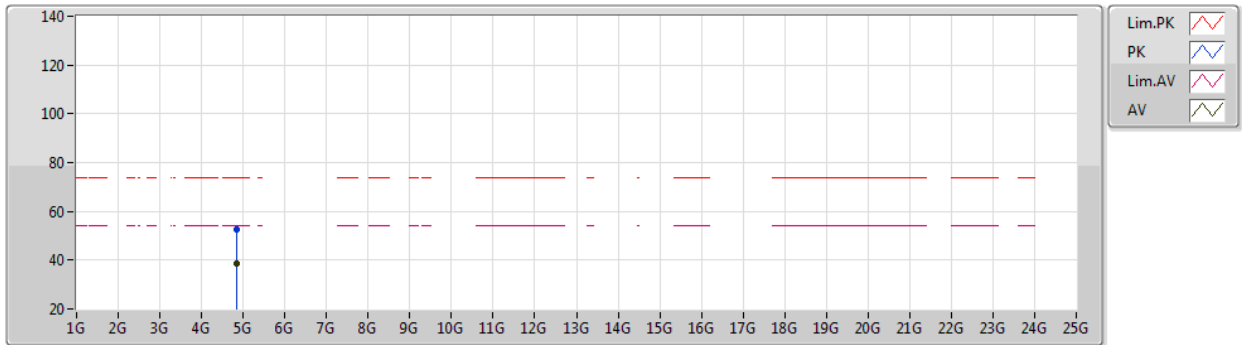
EUT Y_2TX
Setting 57
03-A-J-5

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	68.07	74.00	-5.93	36.06	3	Horizontal	129	2.40	-	28.28	3.73	-
AV	2.39G	49.75	54.00	-4.25	17.74	3	Horizontal	129	2.40	-	28.28	3.73	-
PK	2.42G	112.83	Inf	-Inf	80.72	3	Horizontal	129	2.40	-	28.36	3.75	-
AV	2.4186G	100.70	Inf	-Inf	68.59	3	Horizontal	129	2.40	-	28.36	3.75	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2412MHz_TX



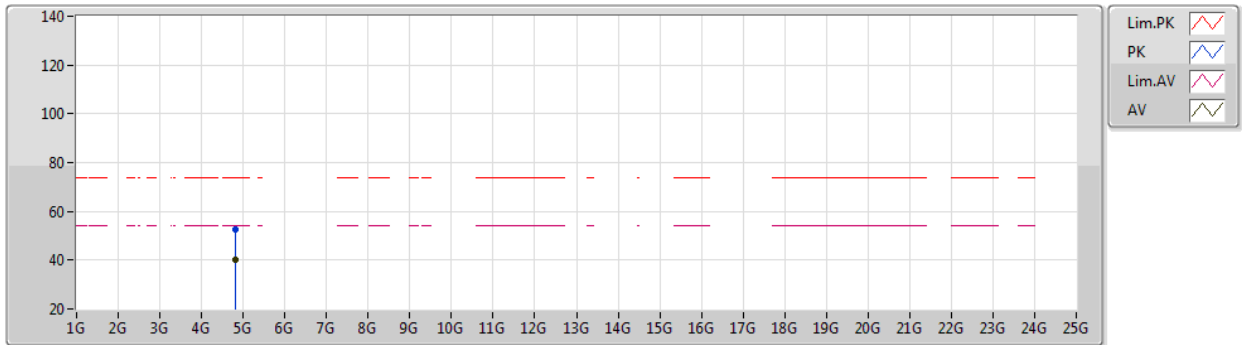
EUT Y_2TX
Setting 57
03-A-J-5

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	4.83474G	52.65	74.00	-21.35	47.32	3	Vertical	0	2.10	-	33.57	6.57	34.81
AV	4.83486G	38.82	54.00	-15.18	33.49	3	Vertical	0	2.10	-	33.57	6.57	34.81

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2412MHz_TX



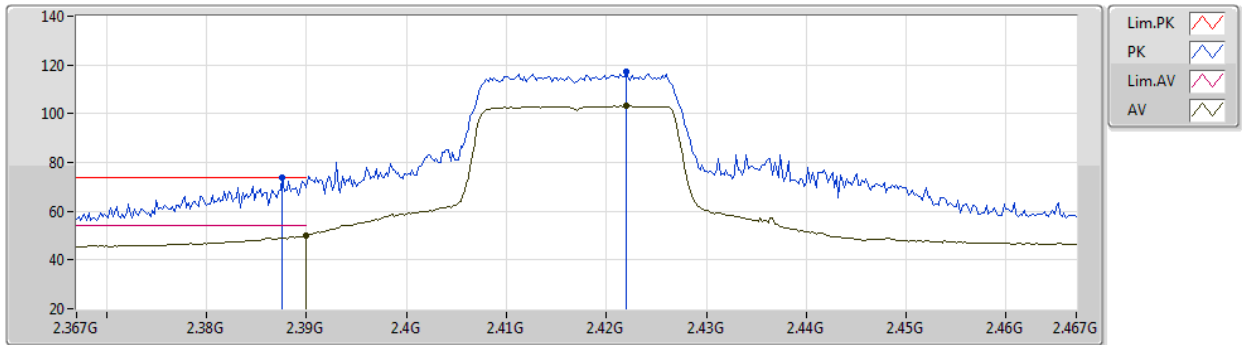
EUT Y_2TX
Setting 57
03-A-J-5

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	4.82244G	52.61	74.00	-21.39	47.32	3	Horizontal	290	2.12	-	33.54	6.57	34.82
AV	4.82316G	40.21	54.00	-13.79	34.91	3	Horizontal	290	2.12	-	33.55	6.57	34.82

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2417MHz_TX



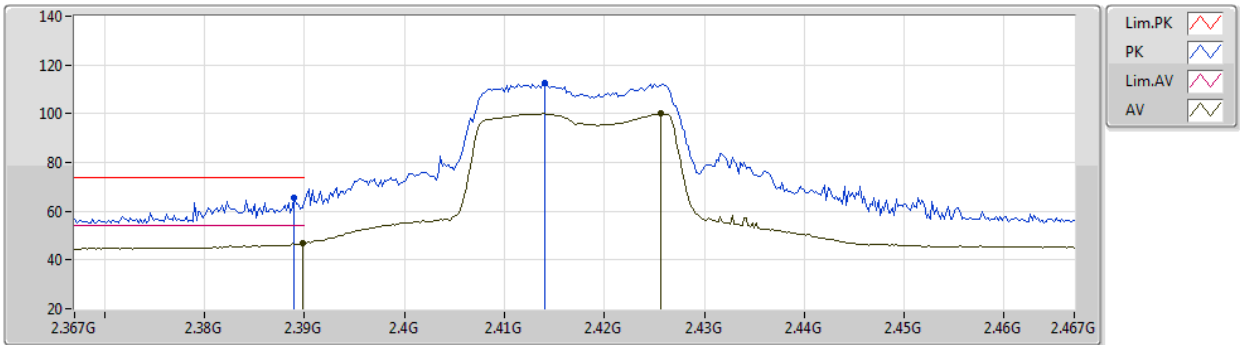
EUT Y_2TX
Setting 60
03-A-J-5

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	2.3876G	73.87	74.00	-0.13	41.86	3	Vertical	177	1.17	-	28.28	3.73	-
AV	2.39G	50.10	54.00	-3.90	18.09	3	Vertical	177	1.17	-	28.28	3.73	-
PK	2.422G	117.02	Inf	-Inf	84.90	3	Vertical	177	1.17	-	28.37	3.75	-
AV	2.422G	103.15	Inf	-Inf	71.03	3	Vertical	177	1.17	-	28.37	3.75	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2417MHz_TX



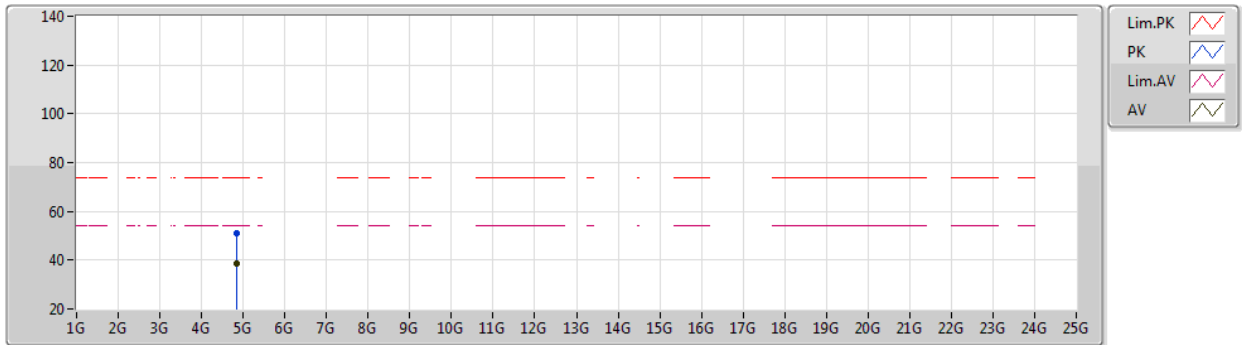
EUT Y_2TX
Setting 60
03-A-J-5

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	65.30	74.00	-8.70	33.29	3	Horizontal	59	2.58	-	28.28	3.73	-
AV	2.3898G	47.07	54.00	-6.93	15.06	3	Horizontal	59	2.58	-	28.28	3.73	-
PK	2.414G	112.33	Inf	-Inf	80.24	3	Horizontal	59	2.58	-	28.34	3.75	-
AV	2.4256G	100.15	Inf	-Inf	68.01	3	Horizontal	59	2.58	-	28.38	3.76	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2417MHz_TX



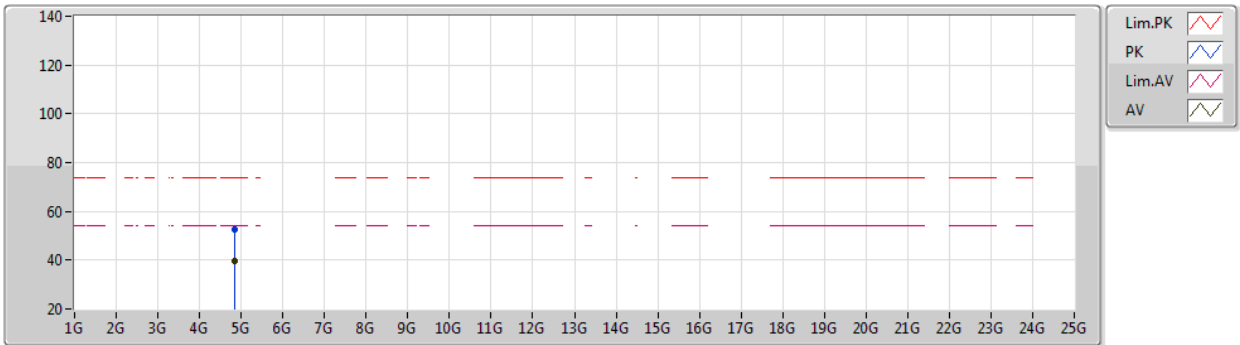
EUT Y_2TX
Setting 60
03-A-J-5

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	4.8352G	51.20	74.00	-22.80	45.87	3	Vertical	6	2.25	-	33.57	6.57	34.81
AV	4.83556G	38.59	54.00	-15.41	33.26	3	Vertical	6	2.25	-	33.57	6.57	34.81

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2417MHz_TX



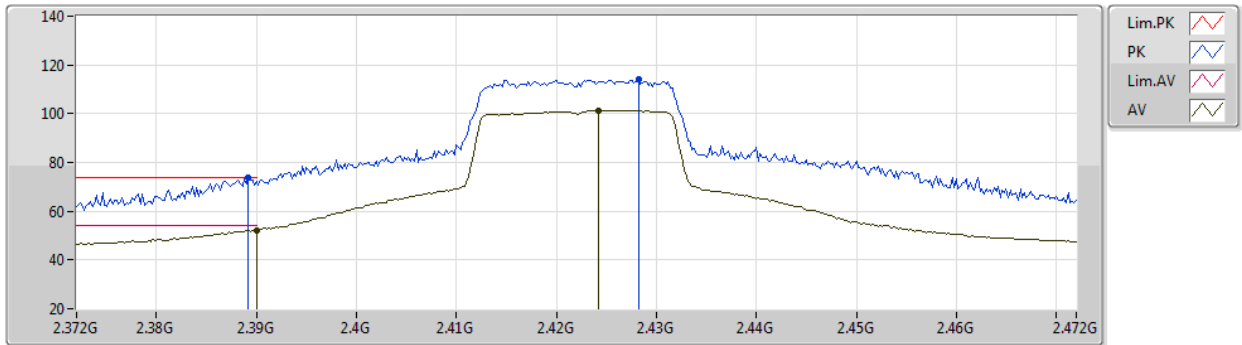
EUT Y_2TX
Setting 60
03-A-J-5

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	4.83178G	52.81	74.00	-21.19	47.49	3	Horizontal	290	2.17	-	33.56	6.57	34.81
AV	4.8331G	39.88	54.00	-14.12	34.55	3	Horizontal	290	2.17	-	33.57	6.57	34.81

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



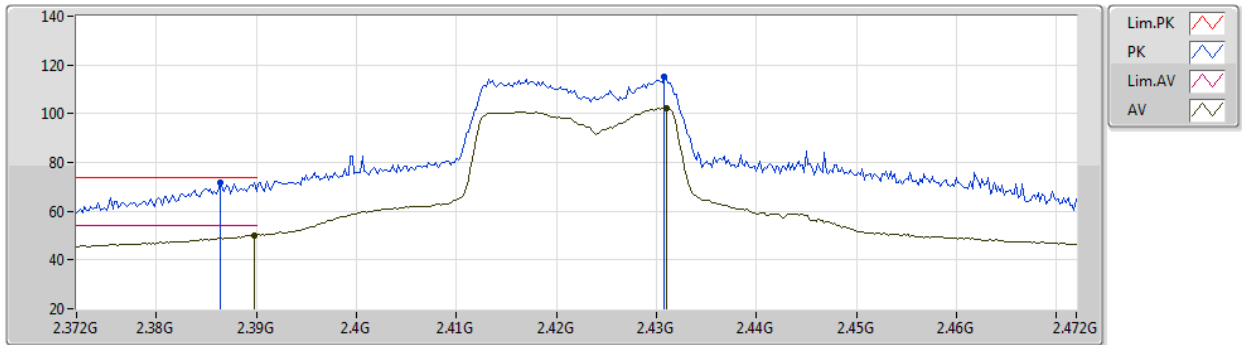
EUT Y_2TX
Setting 68
03-A-B-2

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	73.87	74.00	-0.13	41.86	3	Vertical	174	1.15	-	28.28	3.73	-
AV	2.39G	52.08	54.00	-1.92	20.07	3	Vertical	174	1.15	-	28.28	3.73	-
PK	2.4282G	114.33	Inf	-Inf	82.19	3	Vertical	174	1.15	-	28.38	3.76	-
AV	2.4242G	101.36	Inf	-Inf	69.24	3	Vertical	174	1.15	-	28.37	3.75	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



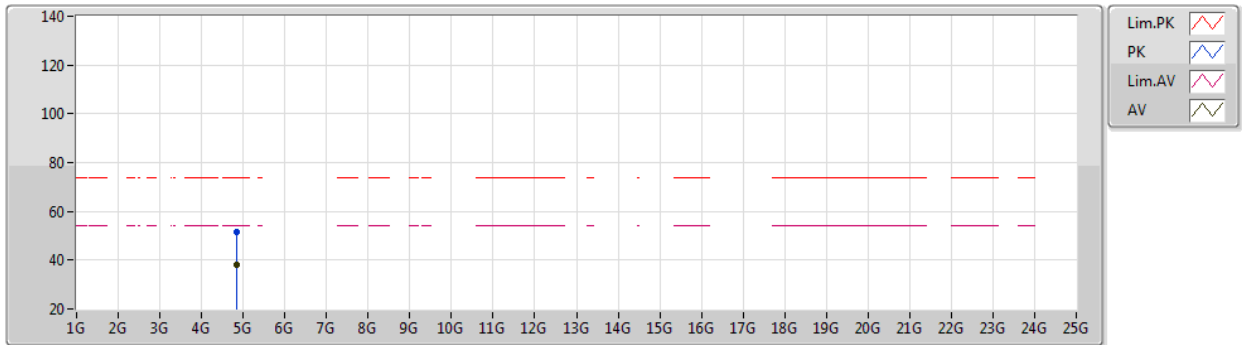
EUT Y_2TX
Setting 68
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3864G	71.91	74.00	-2.09	39.91	3	Horizontal	61	2.96	-	28.27	3.73	-
AV	2.3898G	50.07	54.00	-3.93	18.06	3	Horizontal	61	2.96	-	28.28	3.73	-
PK	2.4308G	115.14	Inf	-Inf	82.99	3	Horizontal	61	2.96	-	28.39	3.76	-
AV	2.431G	102.47	Inf	-Inf	70.32	3	Horizontal	61	2.96	-	28.39	3.76	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



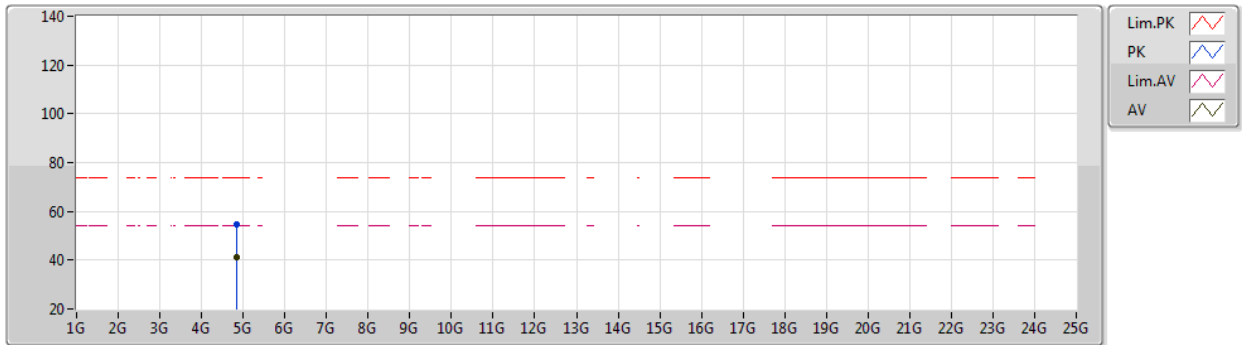
EUT Y_2TX
Setting 68
03-A-B-2

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	4.84118G	51.69	74.00	-22.31	46.35	3	Vertical	0	1.78	-	33.58	6.57	34.81
AV	4.84058G	38.35	54.00	-15.65	33.01	3	Vertical	0	1.78	-	33.58	6.57	34.81

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



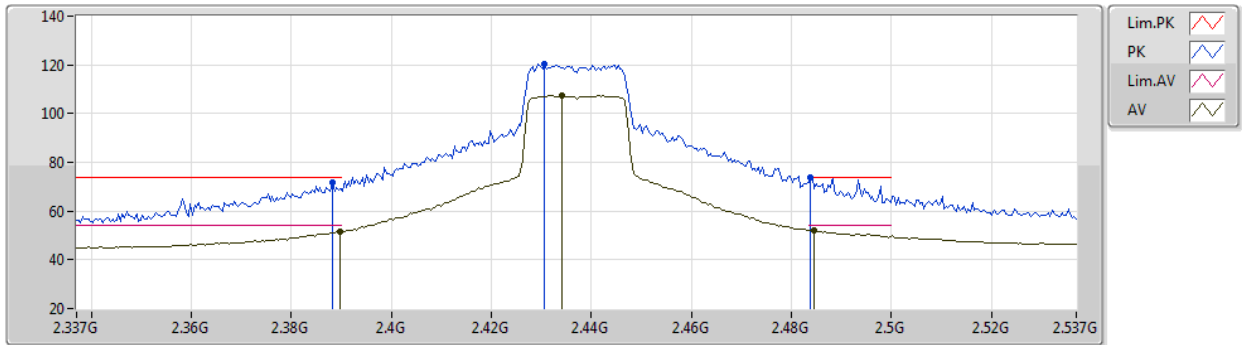
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Setting 68
03-A-B-2

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	4.83968G	54.64	74.00	-19.36	49.30	3	Horizontal	286	2.16	-	33.58	6.57	34.81
AV	4.84334G	41.15	54.00	-12.85	35.80	3	Horizontal	286	2.16	-	33.59	6.57	34.81

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



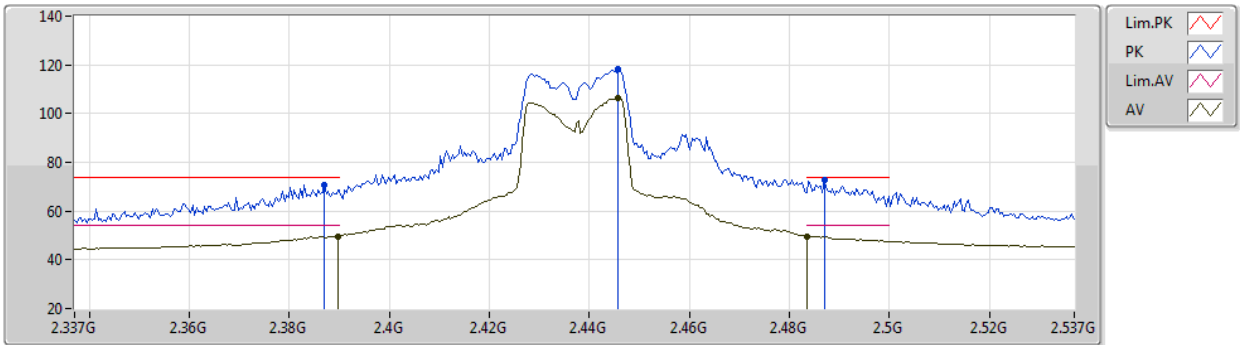
EUT Y_2TX
Setting 75
03-A-J-5

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	71.75	74.00	-2.25	39.74	3	Vertical	180	1.33	-	28.28	3.73	-
AV	2.3898G	51.34	54.00	-2.66	19.33	3	Vertical	180	1.33	-	28.28	3.73	-
PK	2.4306G	120.37	Inf	-Inf	88.22	3	Vertical	180	1.33	-	28.39	3.76	-
AV	2.4342G	107.36	Inf	-Inf	75.20	3	Vertical	180	1.33	-	28.40	3.76	-
PK	2.4838G	73.89	74.00	-0.11	41.55	3	Vertical	180	1.33	-	28.55	3.79	-
AV	2.4846G	52.10	54.00	-1.90	19.76	3	Vertical	180	1.33	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



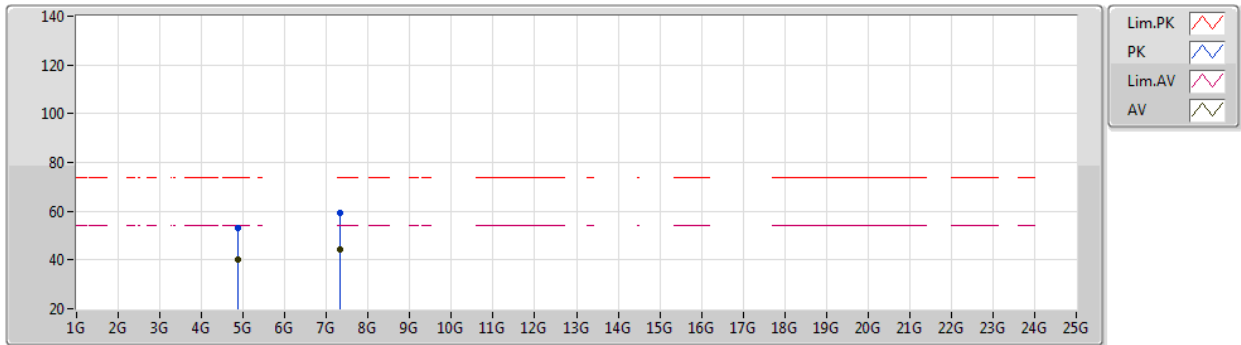
EUT Y_2TX
Setting 75
03-A-J-5

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	2.387G	70.85	74.00	-3.15	38.85	3	Horizontal	113	1.12	-	28.27	3.73	-
AV	2.3898G	49.73	54.00	-4.27	17.72	3	Horizontal	113	1.12	-	28.28	3.73	-
PK	2.4458G	118.24	Inf	-Inf	86.03	3	Horizontal	113	1.12	-	28.44	3.77	-
AV	2.4458G	106.30	Inf	-Inf	74.09	3	Horizontal	113	1.12	-	28.44	3.77	-
PK	2.487G	72.54	74.00	-1.46	40.19	3	Horizontal	113	1.12	-	28.56	3.79	-
AV	2.4835G	49.59	54.00	-4.41	17.25	3	Horizontal	113	1.12	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



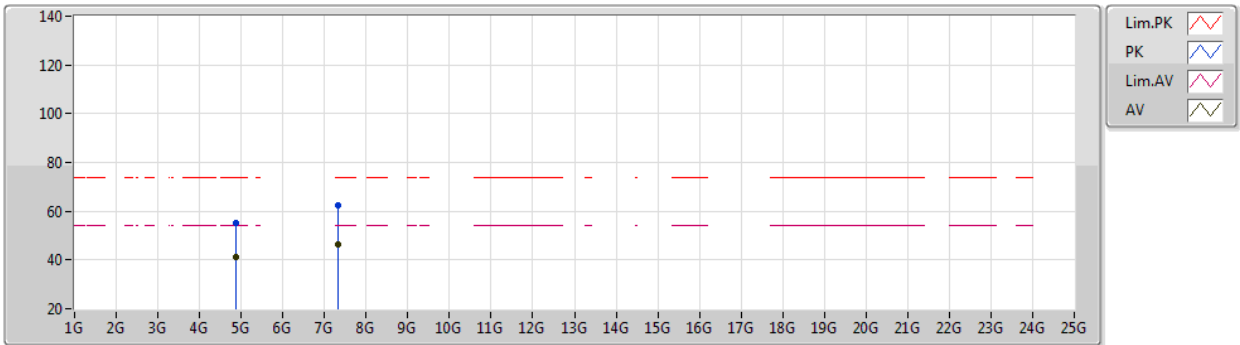
EUT Y_2TX
Setting 75
03-A-J-5

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	4.87502G	52.93	74.00	-21.07	47.48	3	Vertical	135	2.28	-	33.65	6.58	34.78
AV	4.87034G	40.27	54.00	-13.73	34.83	3	Vertical	135	2.28	-	33.64	6.58	34.78
PK	7.31336G	59.46	74.00	-14.54	49.84	3	Vertical	79	1.80	-	36.81	7.87	35.06
AV	7.31304G	44.23	54.00	-9.77	34.61	3	Vertical	79	1.80	-	36.81	7.87	35.06

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



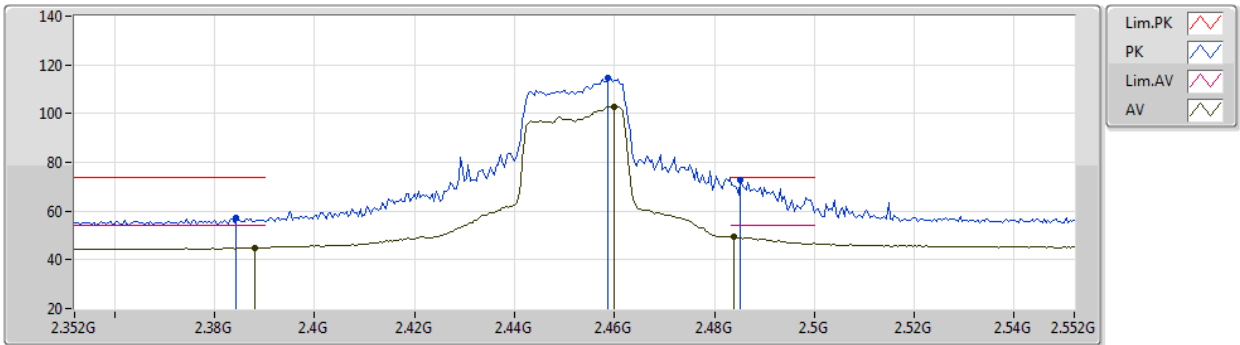
EUT Y_2TX
Setting 75
03-A-J-5

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	4.8692G	55.15	74.00	-18.85	49.71	3	Horizontal	290	2.19	-	33.64	6.58	34.78
AV	4.87058G	41.05	54.00	-12.95	35.61	3	Horizontal	290	2.19	-	33.64	6.58	34.78
PK	7.31448G	62.38	74.00	-11.62	52.76	3	Horizontal	140	1.94	-	36.81	7.87	35.06
AV	7.31358G	46.48	54.00	-7.52	36.86	3	Horizontal	140	1.94	-	36.81	7.87	35.06

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



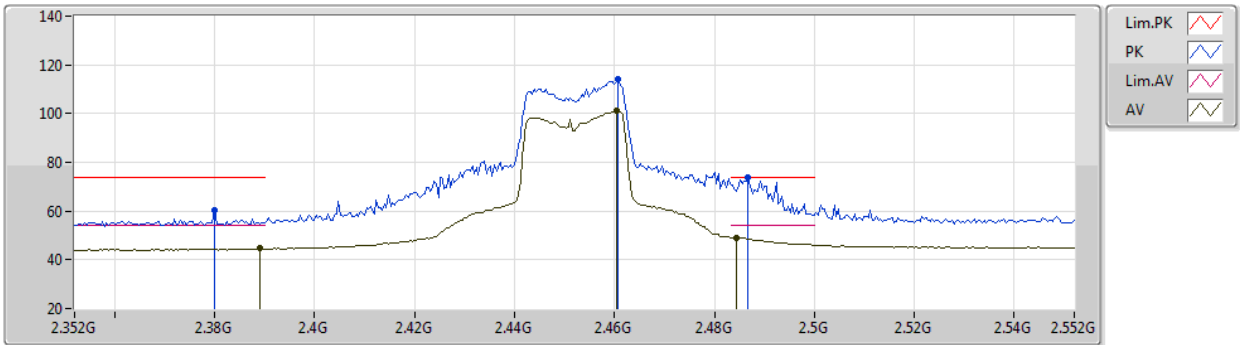
EUT Y_2TX
Setting 67
03-A-B-2

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	2.3844G	57.14	74.00	-16.86	25.14	3	Vertical	165	1.12	-	28.27	3.73	-
AV	2.388G	45.03	54.00	-8.97	13.02	3	Vertical	165	1.12	-	28.28	3.73	-
PK	2.4588G	114.85	Inf	-Inf	82.59	3	Vertical	165	1.12	-	28.48	3.78	-
AV	2.46G	102.82	Inf	-Inf	70.56	3	Vertical	165	1.12	-	28.48	3.78	-
PK	2.4852G	72.63	74.00	-1.37	40.28	3	Vertical	165	1.12	-	28.56	3.79	-
AV	2.484G	49.27	54.00	-4.73	16.93	3	Vertical	165	1.12	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



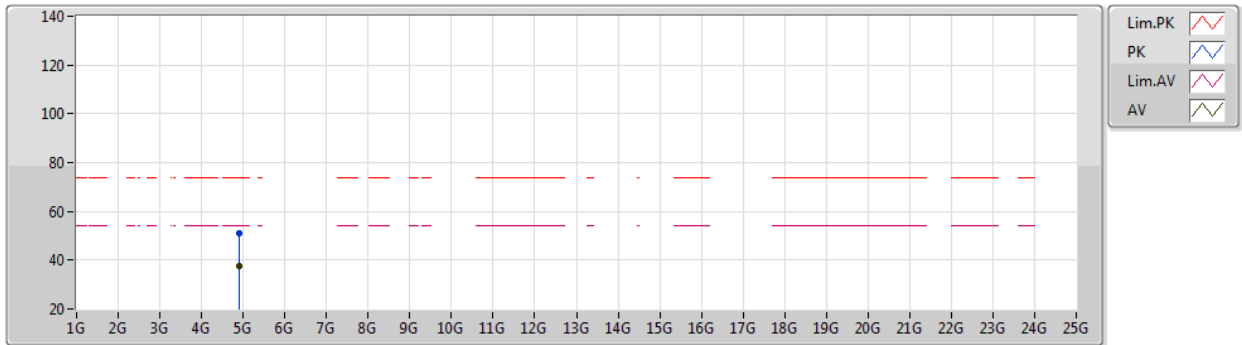
EUT Y_2TX
Setting 67
03-A-B-2

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	60.22	74.00	-13.78	28.23	3	Horizontal	65	2.60	-	28.26	3.73	-
AV	2.3892G	44.57	54.00	-9.43	12.56	3	Horizontal	65	2.60	-	28.28	3.73	-
PK	2.4608G	114.21	Inf	-Inf	81.95	3	Horizontal	65	2.60	-	28.48	3.78	-
AV	2.4604G	101.03	Inf	-Inf	68.77	3	Horizontal	65	2.60	-	28.48	3.78	-
PK	2.4868G	73.91	74.00	-0.09	41.56	3	Horizontal	65	2.60	-	28.56	3.79	-
AV	2.4844G	49.13	54.00	-4.87	16.79	3	Horizontal	65	2.60	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



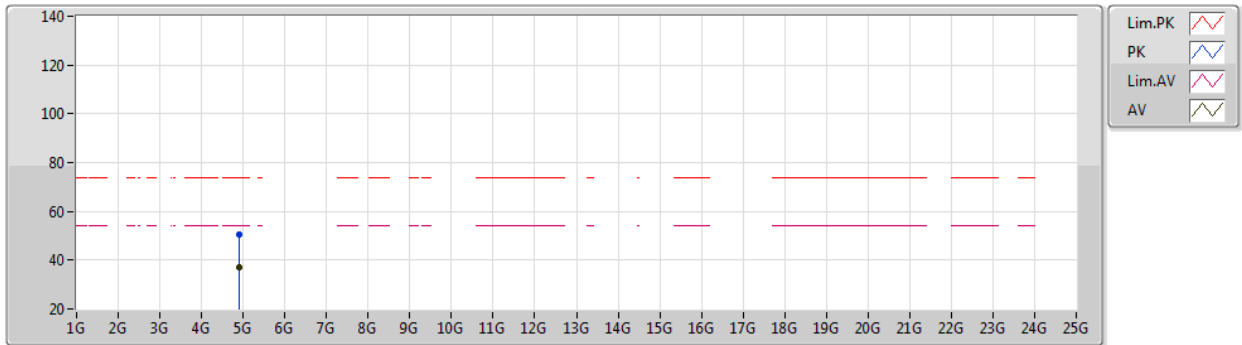
EUT Y_2TX
Setting 67
03-A-B-2

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	4.90526G	50.80	74.00	-23.20	45.26	3	Vertical	0	2.06	-	33.71	6.59	34.76
AV	4.90514G	37.51	54.00	-16.49	31.97	3	Vertical	0	2.06	-	33.71	6.59	34.76

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



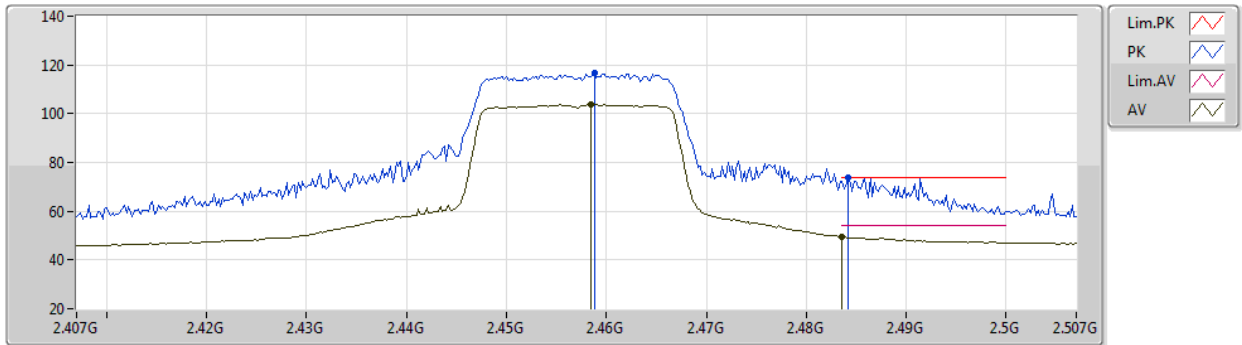
EUT Y_2TX
Setting 67
03-A-B-2

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	4.89698G	50.57	74.00	-23.43	45.05	3	Horizontal	276	1.14	-	33.69	6.59	34.76
AV	4.9007G	37.30	54.00	-16.70	31.77	3	Horizontal	276	1.14	-	33.70	6.59	34.76

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2457MHz_TX



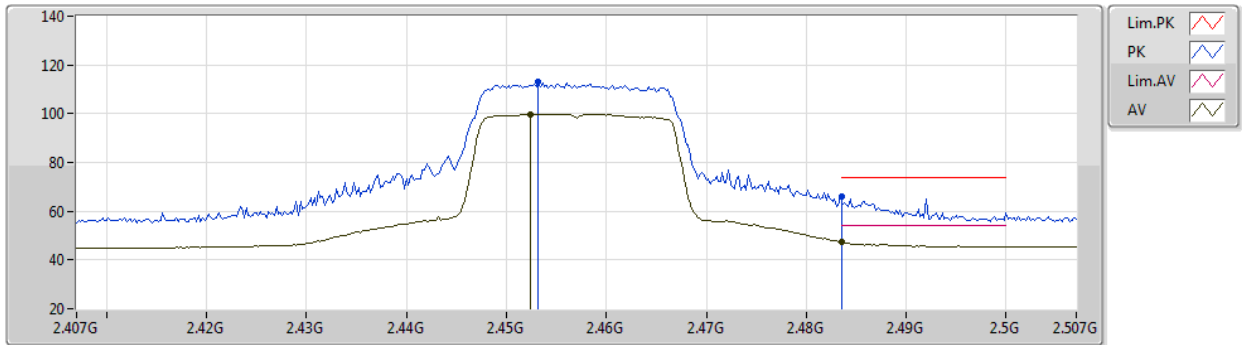
EUT Y_2TX
Setting 59
03-A-J-5

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	2.4588G	116.75	Inf	-Inf	84.49	3	Vertical	180	1.00	-	28.48	3.78	-
AV	2.4584G	103.64	Inf	-Inf	71.38	3	Vertical	180	1.00	-	28.48	3.78	-
PK	2.4842G	73.94	74.00	-0.06	41.60	3	Vertical	180	1.00	-	28.55	3.79	-
AV	2.4835G	49.73	54.00	-4.27	17.39	3	Vertical	180	1.00	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2457MHz_TX



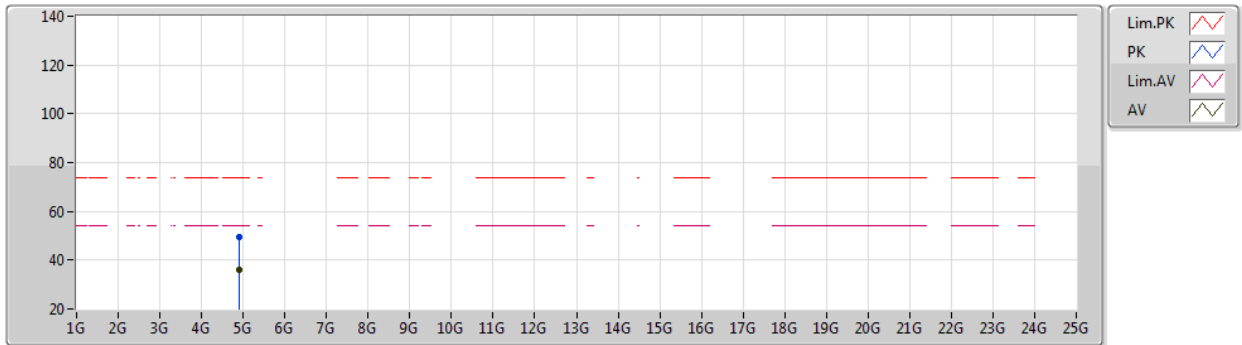
EUT Y_2TX
Setting 59
03-A-J-5

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	2.4532G	113.23	Inf	-Inf	81.00	3	Horizontal	112	1.05	-	28.46	3.77	-
AV	2.4524G	99.76	Inf	-Inf	67.53	3	Horizontal	112	1.05	-	28.46	3.77	-
PK	2.4835G	66.12	74.00	-7.88	33.78	3	Horizontal	112	1.05	-	28.55	3.79	-
AV	2.4835G	47.36	54.00	-6.64	15.02	3	Horizontal	112	1.05	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2457MHz_TX



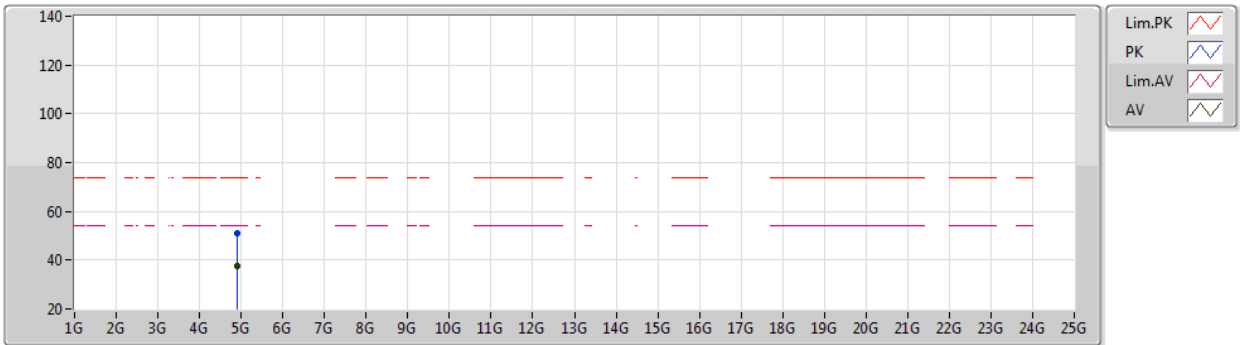
EUT Y_2TX
Setting 59
03-A-J-5

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	4.90968G	49.38	74.00	-24.62	43.82	3	Vertical	0	1.70	-	33.72	6.59	34.75
AV	4.9149G	36.07	54.00	-17.93	30.50	3	Vertical	0	1.70	-	33.73	6.59	34.75

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2457MHz_TX



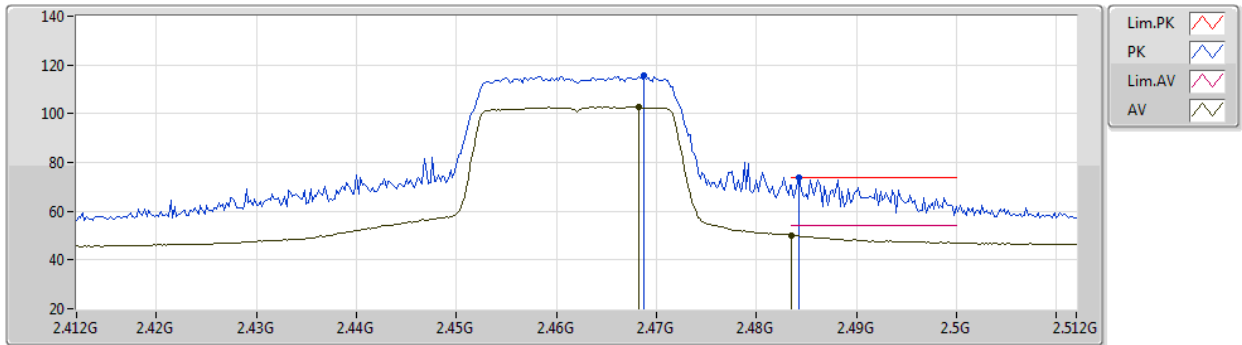
EUT Y_2TX
Setting 59
03-A-J-5

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	4.91634G	51.10	74.00	-22.90	45.53	3	Horizontal	71	2.43	-	33.73	6.59	34.75
AV	4.91454G	37.39	54.00	-16.61	31.82	3	Horizontal	71	2.43	-	33.73	6.59	34.75

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2462MHz_TX



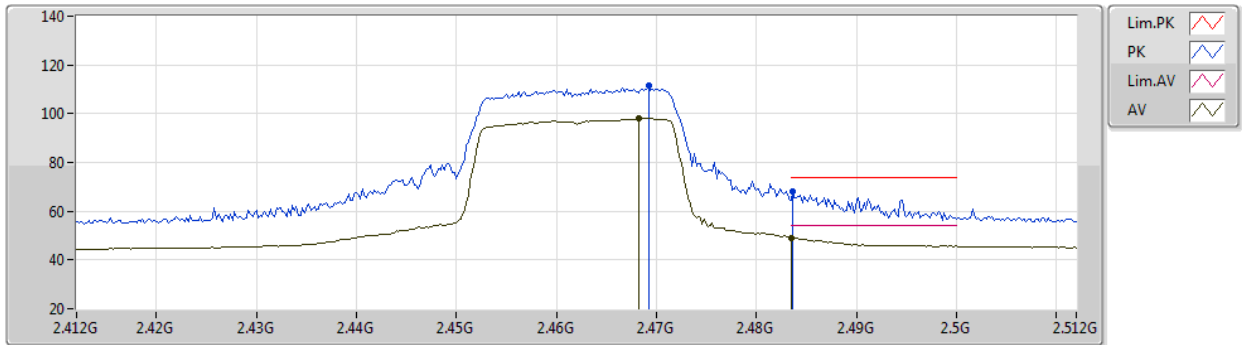
EUT Y_2TX
Setting 55
03-A-J-5

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	2.4688G	115.73	Inf	-Inf	83.44	3	Vertical	180	1.34	-	28.51	3.78	-
AV	2.4682G	102.72	Inf	-Inf	70.44	3	Vertical	180	1.34	-	28.50	3.78	-
AV	2.4835G	50.16	54.00	-3.84	17.82	3	Vertical	180	1.34	-	28.55	3.79	-
PK	2.4842G	73.96	74.00	-0.04	41.62	3	Vertical	180	1.34	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2462MHz_TX



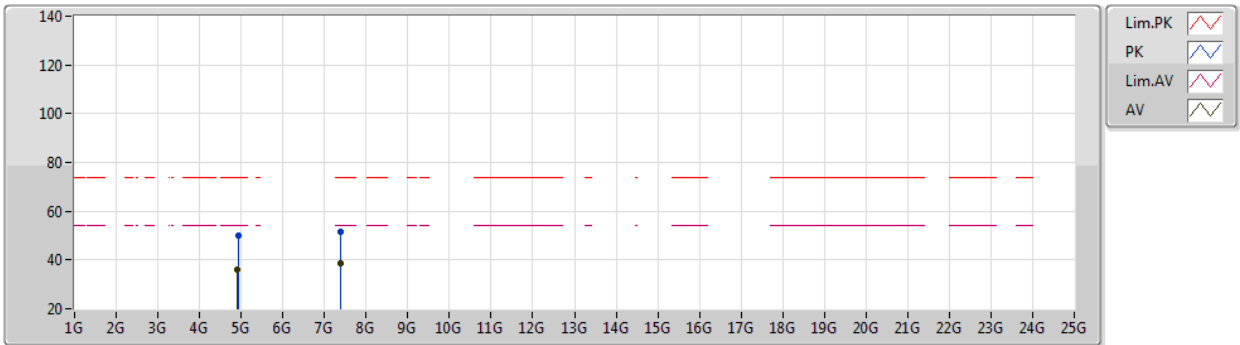
EUT Y_2TX
Setting 55
03-A-J-5

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	2.4692G	111.35	Inf	-Inf	79.06	3	Horizontal	57	2.48	-	28.51	3.78	-
AV	2.4682G	98.05	Inf	-Inf	65.77	3	Horizontal	57	2.48	-	28.50	3.78	-
PK	2.4836G	68.20	74.00	-5.80	35.86	3	Horizontal	57	2.48	-	28.55	3.79	-
AV	2.4835G	49.02	54.00	-4.98	16.68	3	Horizontal	57	2.48	-	28.55	3.79	-

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2462MHz_TX



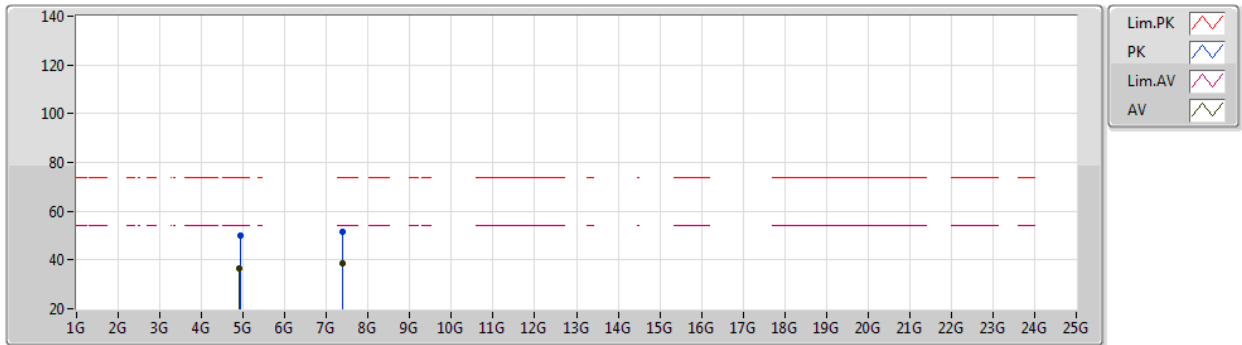
EUT Y_2TX
Setting 55
03-A-J-5

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	4.92154G	49.95	74.00	-24.05	44.35	3	Vertical	0	2.07	-	33.74	6.60	34.74
AV	4.91872G	36.22	54.00	-17.78	30.62	3	Vertical	0	2.07	-	33.74	6.60	34.74
PK	7.39578G	51.45	74.00	-22.55	41.71	3	Vertical	349	1.29	-	36.90	7.89	35.05
AV	7.39326G	38.58	54.00	-15.42	28.85	3	Vertical	349	1.29	-	36.89	7.89	35.05

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

10/02/2020

2462MHz_TX



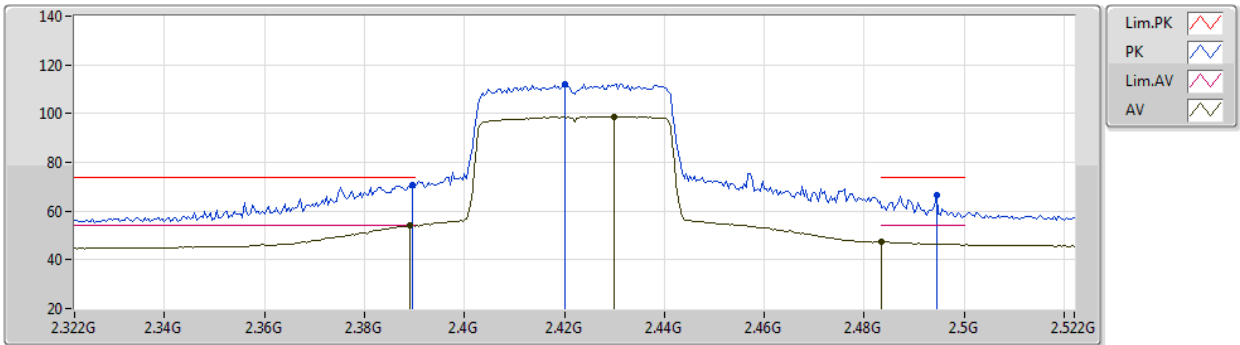
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Setting 55
03-A-J-5

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	4.9288G	50.05	74.00	-23.95	44.42	3	Horizontal	234	1.29	-	33.76	6.60	34.73
AV	4.91692G	36.66	54.00	-17.34	31.07	3	Horizontal	234	1.29	-	33.73	6.60	34.74
PK	7.39338G	51.34	74.00	-22.66	41.61	3	Horizontal	276	2.21	-	36.89	7.89	35.05
AV	7.3959G	38.73	54.00	-15.27	28.99	3	Horizontal	276	2.21	-	36.90	7.89	35.05

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



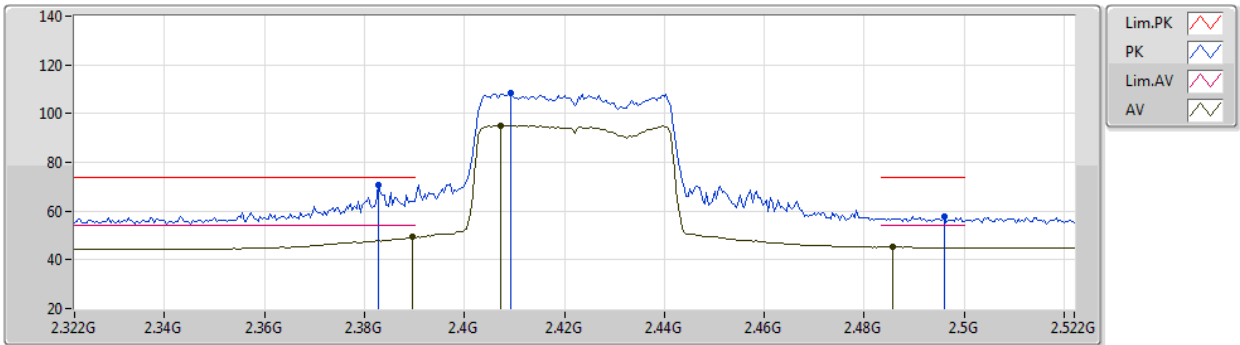
EUT Y_2TX
Setting 53
03-A-J-5

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	70.82	74.00	-3.18	38.81	3	Vertical	182	1.00	-	28.28	3.73	-
AV	2.3892G	53.93	54.00	-0.07	21.92	3	Vertical	182	1.00	-	28.28	3.73	-
PK	2.42G	112.05	Inf	-Inf	79.94	3	Vertical	182	1.00	-	28.36	3.75	-
AV	2.43G	98.75	Inf	-Inf	66.60	3	Vertical	182	1.00	-	28.39	3.76	-
PK	2.4944G	66.52	74.00	-7.48	34.14	3	Vertical	182	1.00	-	28.58	3.80	-
AV	2.4835G	47.44	54.00	-6.56	15.10	3	Vertical	182	1.00	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX

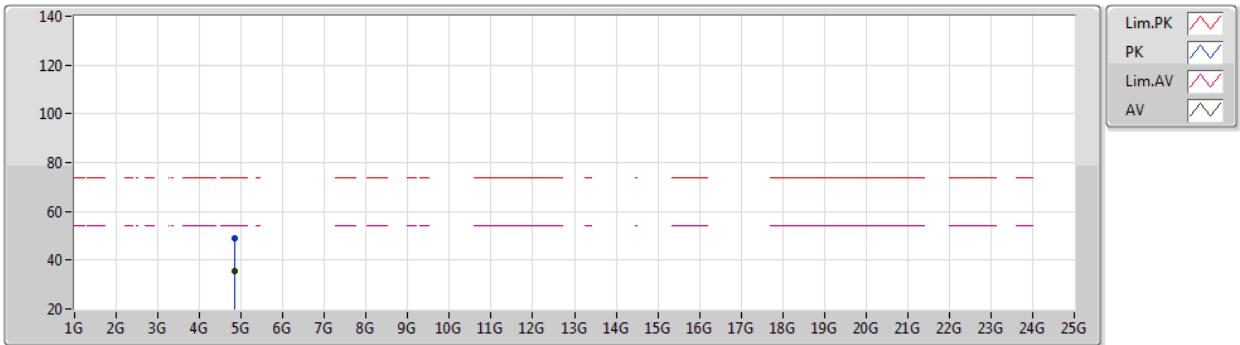

EUT Y_2TX
Setting 53
03-A-J-5

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	70.50	74.00	-3.50	38.50	3	Horizontal	111	1.07	-	28.27	3.73	-
AV	2.3896G	49.26	54.00	-4.74	17.25	3	Horizontal	111	1.07	-	28.28	3.73	-
PK	2.4092G	108.25	Inf	-Inf	76.17	3	Horizontal	111	1.07	-	28.33	3.75	-
AV	2.4072G	95.06	Inf	-Inf	63.00	3	Horizontal	111	1.07	-	28.32	3.74	-
PK	2.496G	57.70	74.00	-16.30	25.31	3	Horizontal	111	1.07	-	28.59	3.80	-
AV	2.4856G	45.24	54.00	-8.76	12.89	3	Horizontal	111	1.07	-	28.56	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



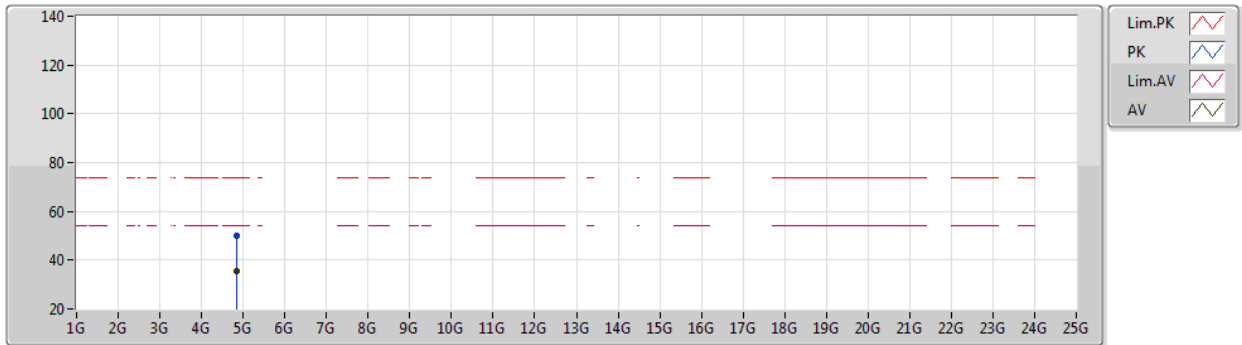
EUT Y_2TX
Setting 53
03-A-J-5

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	4.8469G	48.92	74.00	-25.08	43.56	3	Vertical	331	1.12	-	33.59	6.57	34.80
AV	4.8409G	35.73	54.00	-18.27	30.39	3	Vertical	331	1.12	-	33.58	6.57	34.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2422MHz_TX



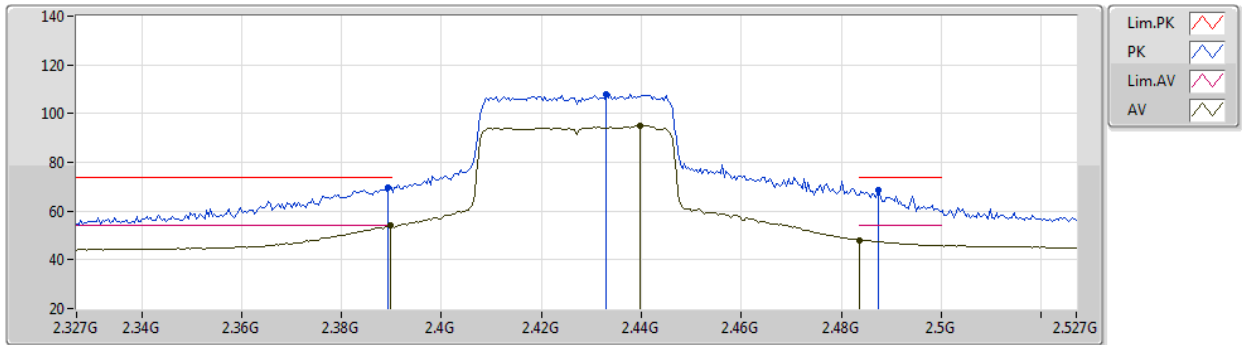
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Setting 53
03-A-J-5

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	4.8444G	49.78	74.00	-24.22	44.42	3	Horizontal	325	1.59	-	33.59	6.57	34.80
AV	4.8398G	35.76	54.00	-18.24	30.42	3	Horizontal	325	1.59	-	33.58	6.57	34.81

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2427MHz_TX



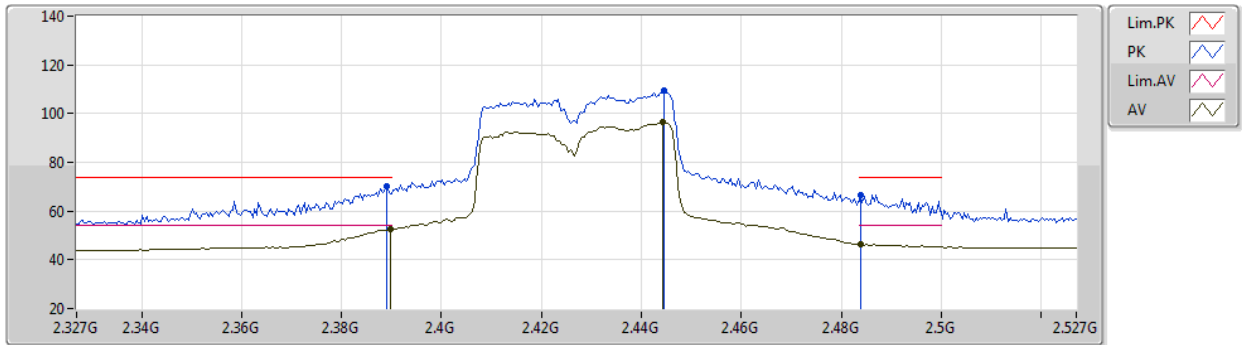
EUT Y_2TX
Setting 57
03-A-B-2

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	69.49	74.00	-4.51	37.48	3	Vertical	173	1.00	-	28.28	3.73	-
AV	2.3898G	53.94	54.00	-0.06	21.93	3	Vertical	173	1.00	-	28.28	3.73	-
PK	2.433G	107.93	Inf	-Inf	75.77	3	Vertical	173	1.00	-	28.40	3.76	-
AV	2.4398G	95.22	Inf	-Inf	63.04	3	Vertical	173	1.00	-	28.42	3.76	-
PK	2.4874G	68.38	74.00	-5.62	36.03	3	Vertical	173	1.00	-	28.56	3.79	-
AV	2.4835G	48.04	54.00	-5.96	15.70	3	Vertical	173	1.00	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2427MHz_TX



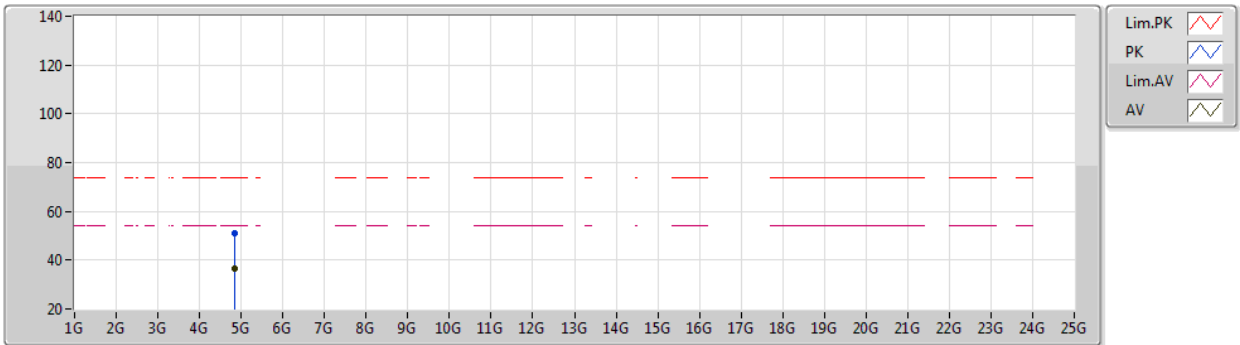
EUT Y_2TX
Setting 57
03-A-B-2

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	70.20	74.00	-3.80	38.19	3	Horizontal	59	2.37	-	28.28	3.73	-
AV	2.3898G	52.53	54.00	-1.47	20.52	3	Horizontal	59	2.37	-	28.28	3.73	-
PK	2.4446G	109.34	Inf	-Inf	77.14	3	Horizontal	59	2.37	-	28.43	3.77	-
AV	2.4442G	96.47	Inf	-Inf	64.27	3	Horizontal	59	2.37	-	28.43	3.77	-
PK	2.4838G	66.79	74.00	-7.21	34.45	3	Horizontal	59	2.37	-	28.55	3.79	-
AV	2.4838G	46.32	54.00	-7.68	13.98	3	Horizontal	59	2.37	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2427MHz_TX



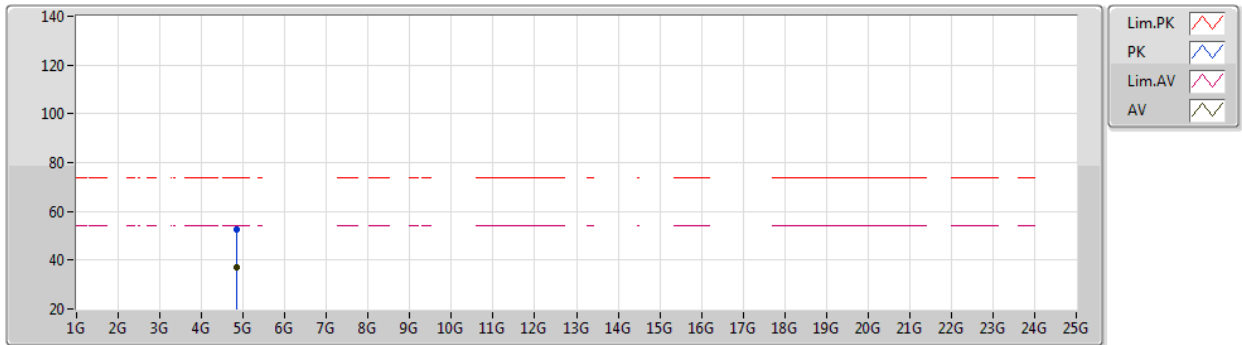
EUT Y_2TX
Setting 57
03-A-B-2

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	4.854G	51.12	74.00	-22.88	45.73	3	Vertical	360	1.97	-	33.61	6.58	34.80
AV	4.85436G	36.33	54.00	-17.67	30.94	3	Vertical	360	1.97	-	33.61	6.58	34.80

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2427MHz_TX



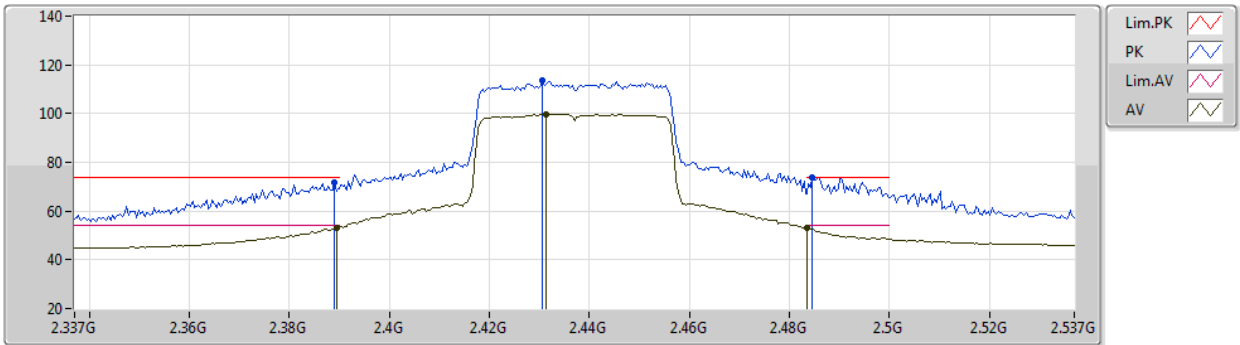
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Setting 57
03-A-B-2

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	4.854G	52.81	74.00	-21.19	47.42	3	Horizontal	286	2.12	-	33.61	6.58	34.80
AV	4.85472G	36.92	54.00	-17.08	31.53	3	Horizontal	286	2.12	-	33.61	6.58	34.80

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



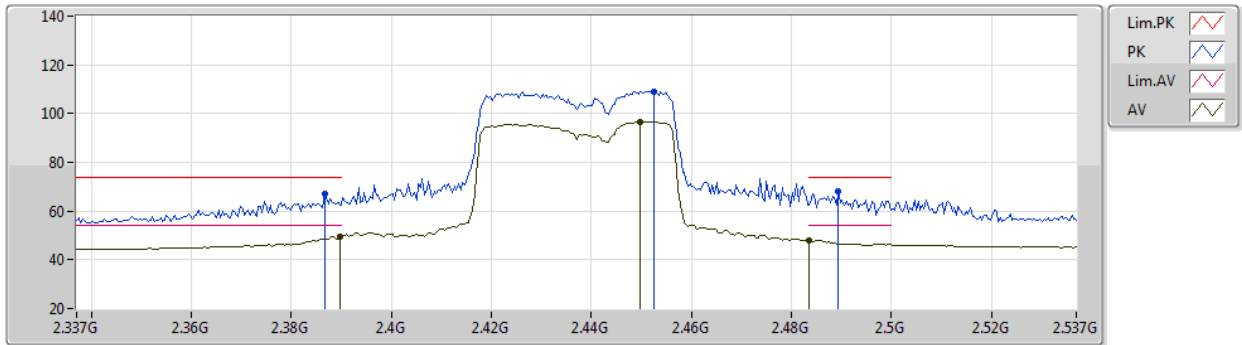
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Setting 58
03-A-J-5

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	71.64	74.00	-2.36	39.63	3	Vertical	177	1.33	-	28.28	3.73	-
AV	2.3894G	53.33	54.00	-0.67	21.32	3	Vertical	177	1.33	-	28.28	3.73	-
PK	2.4306G	113.68	Inf	-Inf	81.53	3	Vertical	177	1.33	-	28.39	3.76	-
AV	2.4314G	99.69	Inf	-Inf	67.54	3	Vertical	177	1.33	-	28.39	3.76	-
PK	2.4846G	73.90	74.00	-0.10	41.56	3	Vertical	177	1.33	-	28.55	3.79	-
AV	2.4835G	52.95	54.00	-1.05	20.61	3	Vertical	177	1.33	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



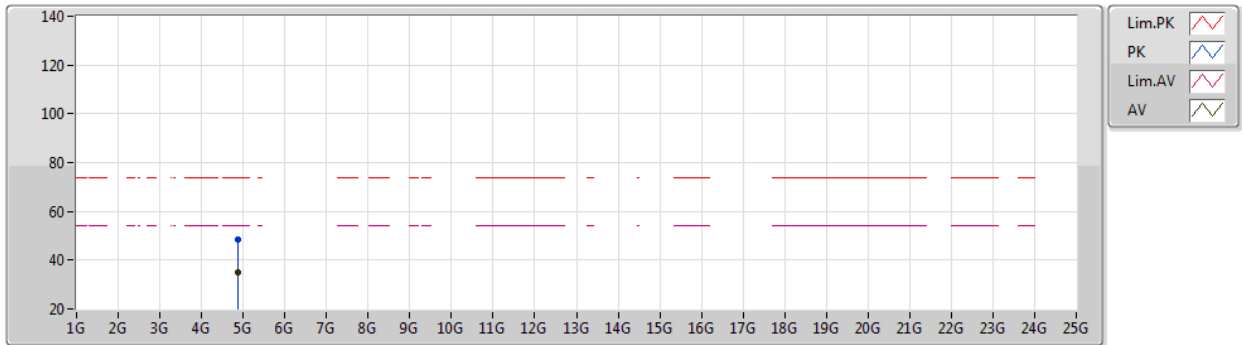
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Setting 58
03-A-J-5

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	2.3866G	67.07	74.00	-6.93	35.07	3	Horizontal	113	1.09	-	28.27	3.73	-
AV	2.3898G	49.53	54.00	-4.47	17.52	3	Horizontal	113	1.09	-	28.28	3.73	-
PK	2.4526G	109.19	Inf	-Inf	76.96	3	Horizontal	113	1.09	-	28.46	3.77	-
AV	2.4498G	96.67	Inf	-Inf	64.45	3	Horizontal	113	1.09	-	28.45	3.77	-
PK	2.4894G	68.29	74.00	-5.71	35.93	3	Horizontal	113	1.09	-	28.57	3.79	-
AV	2.4835G	48.01	54.00	-5.99	15.67	3	Horizontal	113	1.09	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



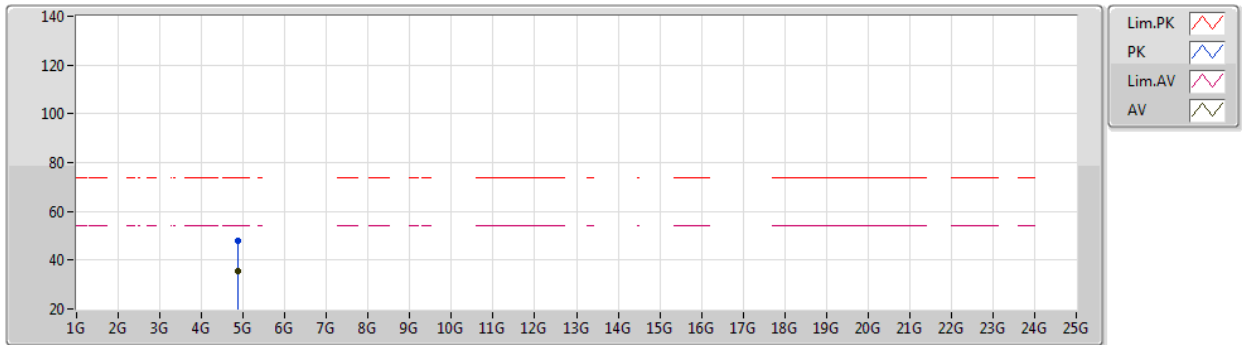
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Setting 58
03-A-J-5

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	4.87334G	48.52	74.00	-25.48	43.07	3	Vertical	224	1.90	-	33.65	6.58	34.78
AV	4.87406G	35.14	54.00	-18.86	29.69	3	Vertical	224	1.90	-	33.65	6.58	34.78

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2437MHz_TX



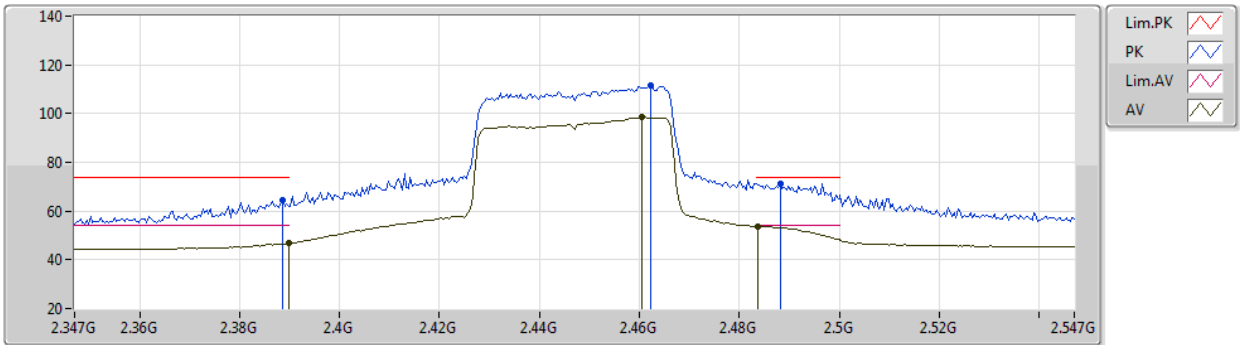
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Setting 58
03-A-J-5

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	4.87922G	48.06	74.00	-25.94	42.60	3	Horizontal	281	2.09	-	33.66	6.58	34.78
AV	4.8806G	35.26	54.00	-18.74	29.80	3	Horizontal	281	2.09	-	33.66	6.58	34.78

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2447MHz_TX



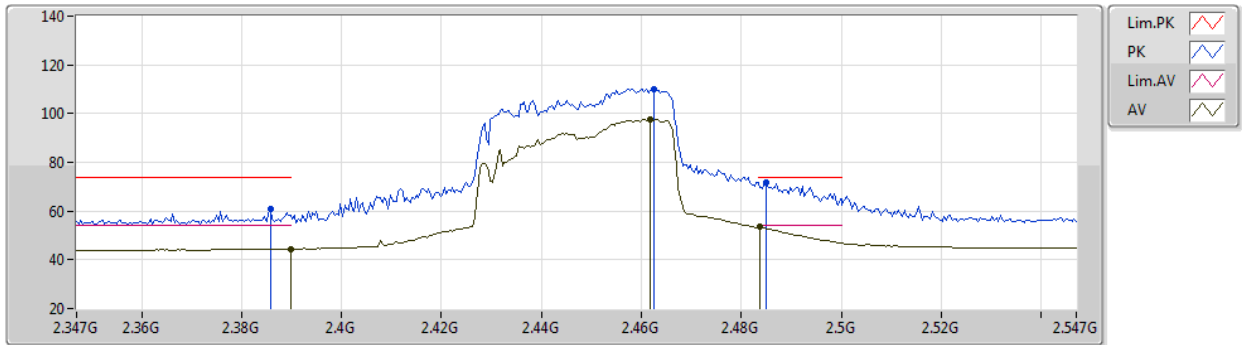
EUT Y_2TX
Setting 57
03-A-B-2

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	64.32	74.00	-9.68	32.31	3	Vertical	175	1.13	-	28.28	3.73	-
AV	2.3898G	46.72	54.00	-7.28	14.71	3	Vertical	175	1.13	-	28.28	3.73	-
PK	2.4622G	111.53	Inf	-Inf	79.26	3	Vertical	175	1.13	-	28.49	3.78	-
AV	2.4606G	98.40	Inf	-Inf	66.14	3	Vertical	175	1.13	-	28.48	3.78	-
PK	2.4882G	71.13	74.00	-2.87	38.78	3	Vertical	175	1.13	-	28.56	3.79	-
AV	2.4838G	53.77	54.00	-0.23	21.43	3	Vertical	175	1.13	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

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2447MHz_TX

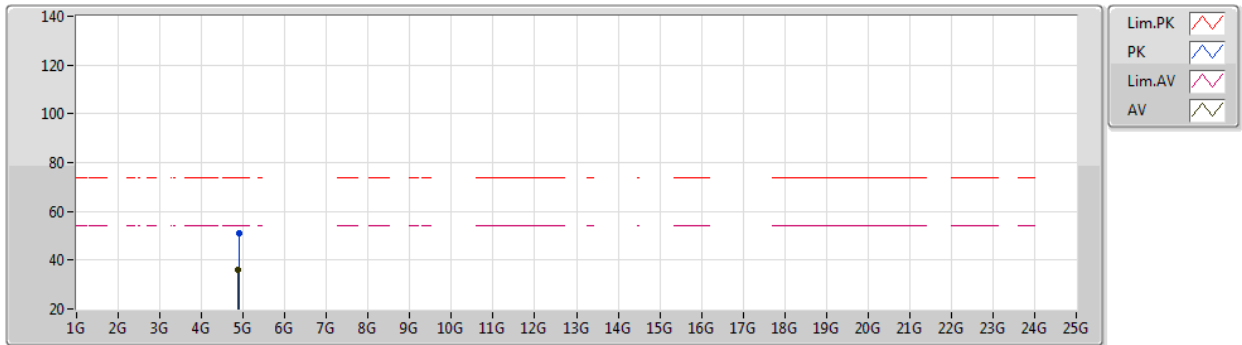

EUT Y_2TX
Setting 57
03-A-B-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3858G	60.83	74.00	-13.17	28.83	3	Horizontal	63	2.86	-	28.27	3.73	-
AV	2.3898G	44.40	54.00	-9.60	12.39	3	Horizontal	63	2.86	-	28.28	3.73	-
PK	2.4626G	110.16	Inf	-Inf	77.89	3	Horizontal	63	2.86	-	28.49	3.78	-
AV	2.4618G	97.41	Inf	-Inf	65.14	3	Horizontal	63	2.86	-	28.49	3.78	-
PK	2.485G	71.74	74.00	-2.26	39.39	3	Horizontal	63	2.86	-	28.56	3.79	-
AV	2.4838G	53.41	54.00	-0.59	21.07	3	Horizontal	63	2.86	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2447MHz_TX



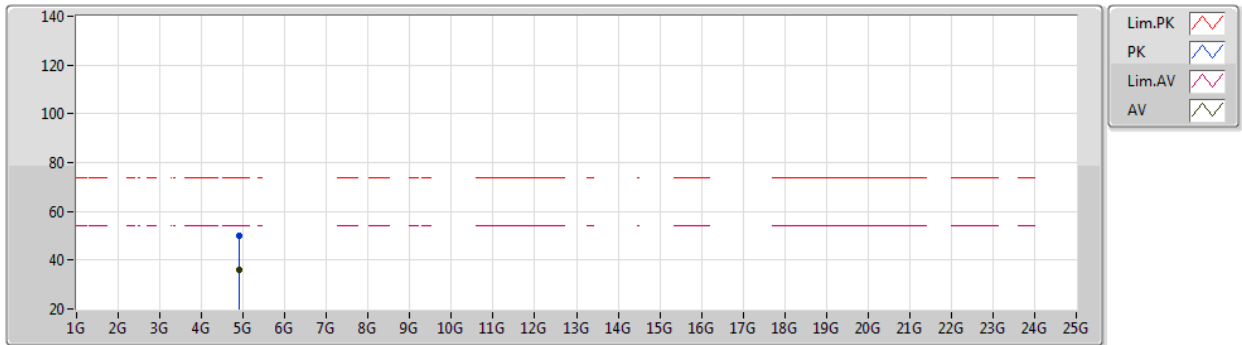
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Setting 57
03-A-B-2

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	4.89394G	51.29	74.00	-22.71	45.77	3	Vertical	360	2.03	-	33.69	6.59	34.76
AV	4.879G	36.02	54.00	-17.98	30.56	3	Vertical	360	2.03	-	33.66	6.58	34.78

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2447MHz_TX



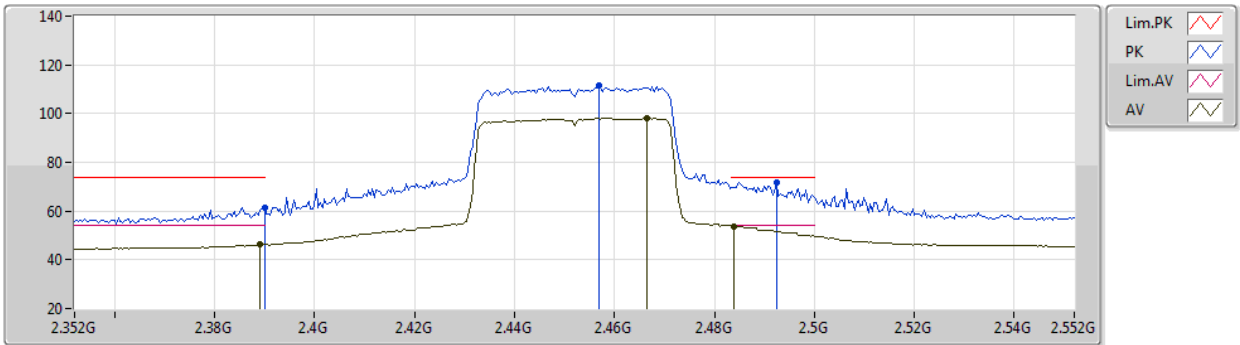
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Setting 57
03-A-B-2

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	4.89412G	50.21	74.00	-23.79	44.69	3	Horizontal	275	2.14	-	33.69	6.59	34.76	
AV	4.89364G	36.19	54.00	-17.81	30.68	3	Horizontal	275	2.14	-	33.69	6.59	34.77	

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



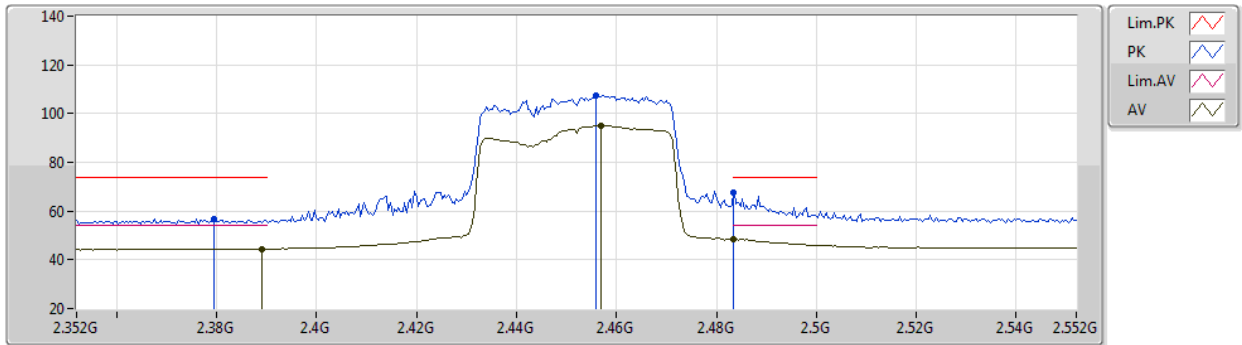
EUT Y_2TX
Setting 51
03-A-J-5

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	61.62	74.00	-12.38	29.61	3	Vertical	177	1.15	-	28.28	3.73	-
AV	2.3892G	46.21	54.00	-7.79	14.20	3	Vertical	177	1.15	-	28.28	3.73	-
PK	2.4568G	111.43	Inf	-Inf	79.19	3	Vertical	177	1.15	-	28.47	3.77	-
AV	2.4664G	98.09	Inf	-Inf	65.81	3	Vertical	177	1.15	-	28.50	3.78	-
PK	2.4924G	71.85	74.00	-2.15	39.47	3	Vertical	177	1.15	-	28.58	3.80	-
AV	2.484G	53.83	54.00	-0.17	21.49	3	Vertical	177	1.15	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



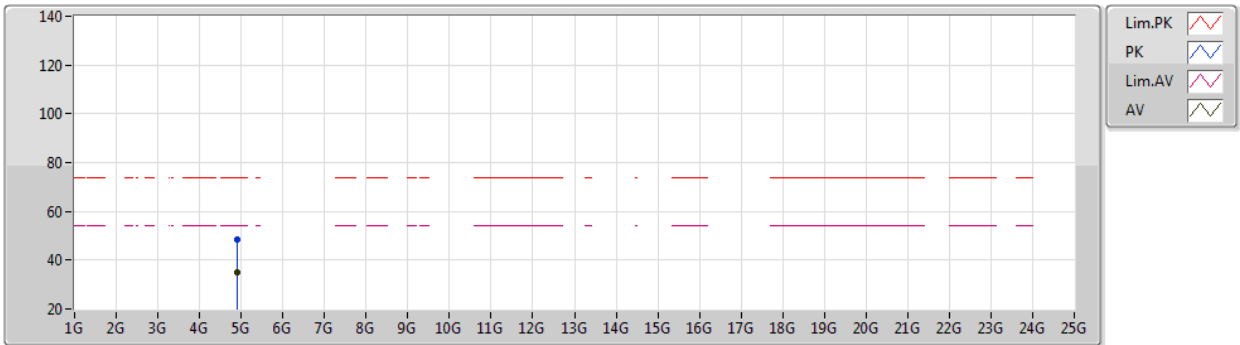
EUT Y_2TX
Setting 51
03-A-J-5

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	2.3796G	56.89	74.00	-17.11	24.90	3	Horizontal	116	1.27	-	28.26	3.73	-
AV	2.3892G	44.48	54.00	-9.52	12.47	3	Horizontal	116	1.27	-	28.28	3.73	-
PK	2.456G	107.43	Inf	-Inf	75.19	3	Horizontal	116	1.27	-	28.47	3.77	-
AV	2.4568G	94.91	Inf	-Inf	62.67	3	Horizontal	116	1.27	-	28.47	3.77	-
PK	2.4835G	67.62	74.00	-6.38	35.28	3	Horizontal	116	1.27	-	28.55	3.79	-
AV	2.4835G	48.56	54.00	-5.44	16.22	3	Horizontal	116	1.27	-	28.55	3.79	-

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

10/02/2020

2452MHz_TX



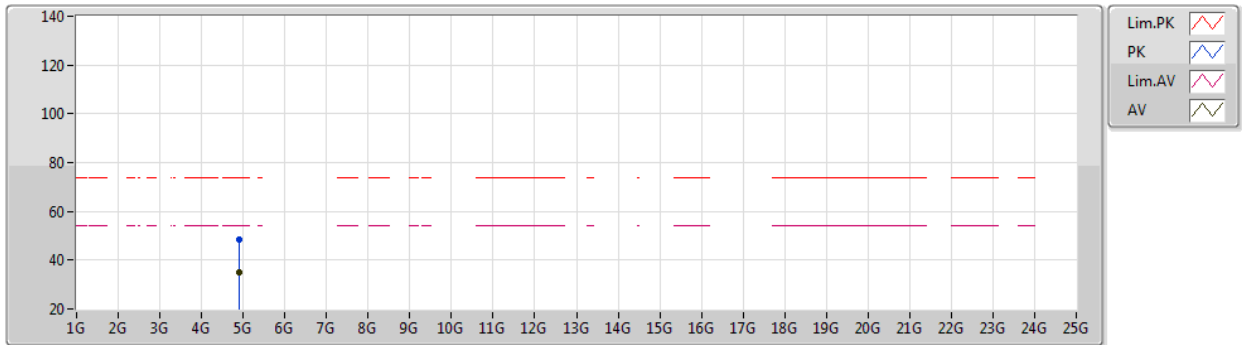
EUT Y_2TX
Setting 51
03-A-J-5

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	4.88972G	48.60	74.00	-25.40	43.10	3	Vertical	290	2.42	-	33.68	6.59	34.77
AV	4.89008G	35.16	54.00	-18.84	29.66	3	Vertical	290	2.42	-	33.68	6.59	34.77

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EUT Y_2TX
Setting 51
03-A-J-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	4.8902G	48.68	74.00	-25.32	43.18	3	Horizontal	157	1.79	-	33.68	6.59	34.77
AV	4.89056G	35.13	54.00	-18.87	29.63	3	Horizontal	157	1.79	-	33.68	6.59	34.77

