



RADIO TEST REPORT

FCC ID : 2AYRA-03734
Equipment : AX5400 Dual-band Mesh Router
Brand Name : LINKSYS
Model Name : MR5500, MR55MS, MR55EC, MR55WH
Applicant : Linksys USA, Inc.
12045 East Waterfront Drive
Playa Vista, CA 90094, United States.
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 14, 2021, and testing was started from Apr. 15, 2021 and completed on May 24, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	10
1.3 Testing Location Information	10
1.4 Measurement Uncertainty	11
2 Test Configuration of EUT	12
2.1 Test Channel Mode	12
2.2 The Worst Case Measurement Configuration.....	14
2.3 EUT Operation during Test	15
2.4 Accessories	16
2.5 Support Equipment.....	16
2.6 Test Setup Diagram	17
3 Transmitter Test Result	20
3.1 AC Power-line Conducted Emissions	20
3.2 Emission Bandwidth	22
3.3 Maximum Conducted Output Power	23
3.4 Peak Power Spectral Density.....	25
3.5 Unwanted Emissions.....	28
4 Test Equipment and Calibration Data	33
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Emission Bandwidth	
Appendix C. Test Results of Maximum Conducted Output Power	
Appendix D. Test Results of Peak Power Spectral Density	
Appendix E. Test Results of Unwanted Emissions	
Appendix F. Test Results of Radiated Emission Co-location	
Appendix G. Test Photos	
Photographs of EUT v01	



TEL : 886-3-656-9065
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Report Template No.: CB-A12_1 Ver1.3



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	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	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: Wendy Pan



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.15-5.35GHz	802.11ac VHT160	160	4TX
5.15-5.35GHz	802.11ac VHT160-BF	160	4TX
5.15-5.35GHz	802.11ax HEW160	160	4TX



Band	Mode	BWch (MHz)	Nant
5.15-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Port			Brand Holder	Model Name	Antenna Type	Connector	Gain (dBi)
	2.4GHz	5GHz	Bluetooth					
1	-	1	-	Signal Plus Technology Co., Ltd.	6239F00007	Dipole	I-PEX	Note
2	-	2	-	Signal Plus Technology Co., Ltd.	6239F00006	Dipole	I-PEX	
3	1	3	-	Signal Plus Technology Co., Ltd.	6239F00007	Dipole	I-PEX	
4	2	4	-	Signal Plus Technology Co., Ltd.	6239F00006	Dipole	I-PEX	
5	-	-	1	Signal Plus Technology Co., Ltd.	6239F00005	PIFA	N/A	

Note:

Ant.	Port			Antenna Gain (dBi)					
	2.4GHz	5GHz	Bluetooth	2.4 GHz	5GHz Band 1	5GHz Band 2	5GHz Band 3	5GHz Band 4	Bluetooth
1	-	1	-	-	2.21	1.40	3.38	3.09	-
2	-	2	-	-	1.80	1.46	2.05	2.76	-
3	1	3	-	2.52	1.5	2.07	3.18	3.45	-
4	2	4	-	2.25	1.04	1.55	1.87	2.37	-
5	-	-	1	-	-	-	-	-	4

Directional Gain (dBi)							
4T1S				4T4S			
5GHz Band 1	5GHz Band 2	5GHz Band 3	5GHz Band 4	5GHz Band 1	5GHz Band 2	5GHz Band 3	5GHz Band 4
6.02	6.38	6.75	7.72	0.62	0.93	0.96	1.8

Note: The above information was declared by manufacturer.

WLAN 2.4GHz: Maximum Directional Gain following KDB662911 D01

WLAN 5GHz: Maximum Directional Gain following KDB662911 D0

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.

For Bluetooth Function:**For Bluetooth mode (1TX/1RX)**

Only Port 1 can be use as transmit and receive antenna.



1.1.3 Mode Test Duty Cycle

For 4T1S Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.97	0.13	1.978m	1k
802.11ax HEW20-BF	0.893	0.49	1.25m	1k
802.11ax HEW40-BF	0.924	0.34	1.838m	1k
802.11ax HEW80-BF	0.929	0.32	1.758m	1k
802.11ax HEW160-BF	0.943	0.25	1.898m	1k

For 4T4S Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20	0.928	0.32	1.815m	1k
802.11ax HEW40	0.917	0.38	1.819m	1k
802.11ax HEW80	0.917	0.38	1.955m	1k
802.11ax HEW160	0.927	0.33	1.99m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	non-beamforming mode: QSPR V5.0-00196 beamforming mode: DOS V6.1.7061			

Note: The above information was declared by manufacturer.



1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
LINKSYS	MR5500	All the models are identical, the difference model served as marketing strategy.
	MR55MS	
	MR55EC	
	MR55WH	

Note 1: From the above models, model: MR5500 was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15.407
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Owen Hsu	23.9-25.4 / 57-61	Apr. 27, 2021 ~ May 24, 2021
Radiated<1GHz and Radiated Co-location	03CH05-CB	Eason Chen	21.2-22.3 / 55-57	Apr. 14, 2021 ~ May 24, 2021
Radiated>1GHz	03CH01-CB	Eason Chen	20.7-21.8 / 57-59	Apr. 15, 2021 ~ May 21, 2021
	03CH02-CB		21.6-22.8 / 55-58	
	03CH03-CB		21-22.2 / 55-57	
	03CH04-CB		20.3-21.5 / 56-58	
	03CH06-CB		20.5-21.6 / 55-58	
AC Conduction	CO02-CB	Zack Kuo	21~22 / 57~59	Apr. 23, 2021

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 Date: Before May 08, 2021**

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%

Test Date: After May 07, 2021

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For 4T1S Mode:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	16.5
5300MHz	16.5
5320MHz	16.5
5500MHz	15.5
5580MHz	16
5700MHz	16
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	22
5580MHz	22
5700MHz	21
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	22
5310MHz	21
5510MHz	21
5550MHz	22
5670MHz	22
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	21
5530MHz	20
5610MHz	22
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	20
5250MHz Straddle 5.25-5.35GHz	20
5570MHz	20

**For 4T4S Mode:**

Mode	Power Setting
802.11ax HEW20_Nss4,(MCS0)_4TX	-
5260MHz	22
5300MHz	22
5320MHz	22
5500MHz	22
5580MHz	22
5700MHz	21
802.11ax HEW40_Nss4,(MCS0)_4TX	-
5270MHz	22
5310MHz	20
5510MHz	21
5550MHz	22
5670MHz	23
802.11ax HEW80_Nss4,(MCS0)_4TX	-
5290MHz	20
5530MHz	19
5610MHz	23
802.11ax HEW160_Nss4,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	19
5250MHz Straddle 5.25-5.35GHz	19
5570MHz	19

Note:

- ♦ There are two modes of EUT for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.
- ♦ Evaluated HEW20/HEW40/HEW80/HEW160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.

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 Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + Adapter 1
2	EUT + Adapter 2
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
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	CTX The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case were found at Y axis for WLAN 2.4GH, Z axis for WLAN 5GHz and Bluetooth. So the measurement will follow this same test configuration.
1	EUT in Y axis + WLAN 2.4GHz + Adapter 1
2	EUT in Y axis + WLAN 2.4GHz + Adapter 2
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT in Z axis + WLAN 5GHz + Adapter 1
4	EUT in Z axis + Bluetooth + Adapter 1
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX The EUT was performed at Y axis and Z axis position and the worst case was found at Z axis for Harmonic and Y axis for Bandedge. So the measurement will follow this same test configuration.
1	EUT in Z axis for Harmonic/ EUT in Y axis for Bandedge

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
	The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case were found at Z axis. So the measurement will follow this same test configuration.
1	EUT in Z axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F 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	Bluetooth+WLAN 2.4GHz+ WLAN 5GHz
Refer to Sporton Test Report No.: FA140727-01 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS V6.1.7601.
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%.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter 1	Ktec	KSA-24W-120200HU	INPUT: 100-240V~50/60Hz, 0.6A OUTPUT: 12V, 2.0A
Adapter 2	MOSO	MSA-C2000IC12.0-24P-US	INPUT: 100-240V~50/60Hz, 0.7A max OUTPUT: 12V, 2.0A
Others			
RJ-45 cable*1, non-shielded, 0.9m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	iPad	Apple	A1430	N/A
F	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz) and RF Conducted:

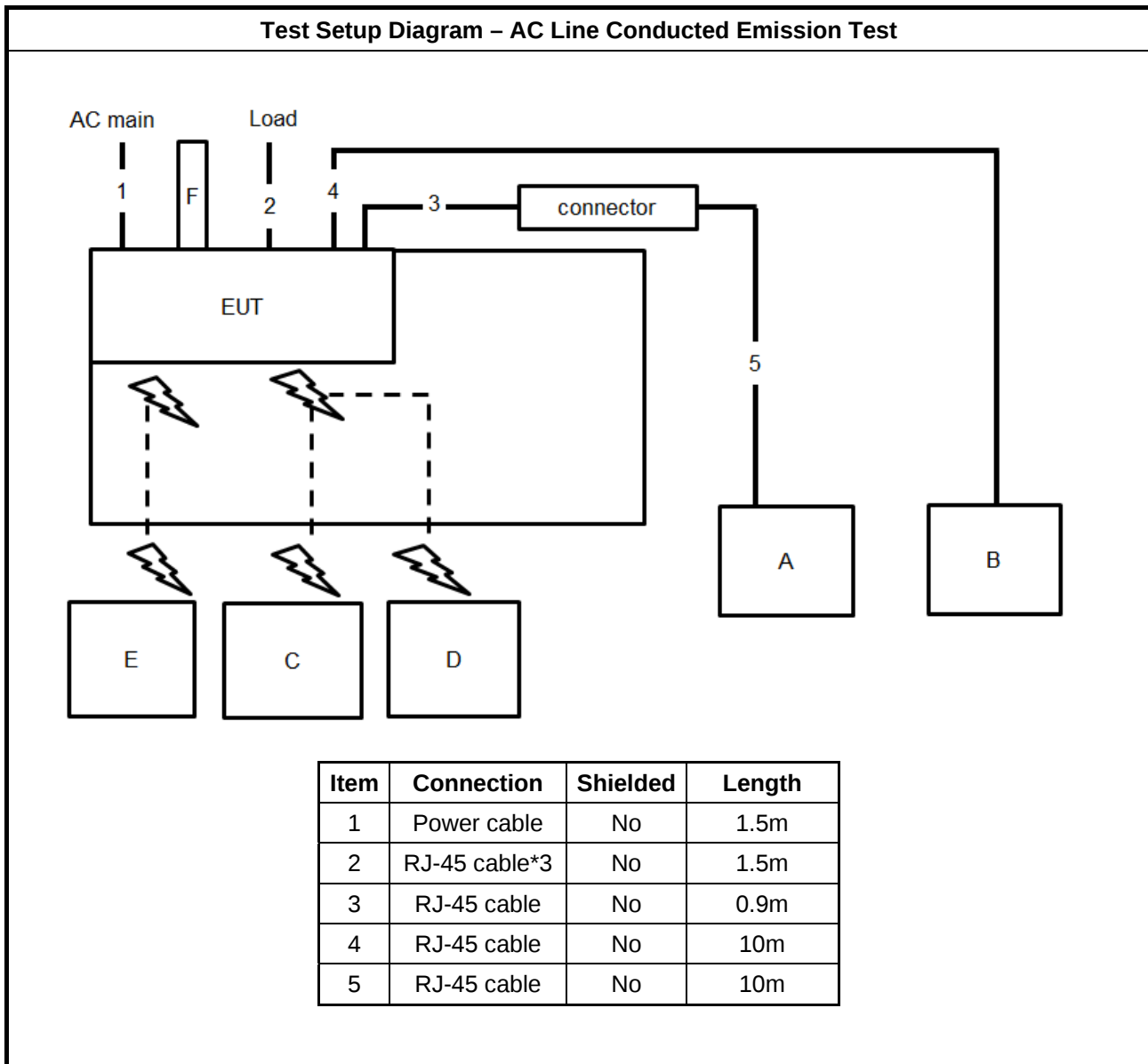
For non-beamforming mode:

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

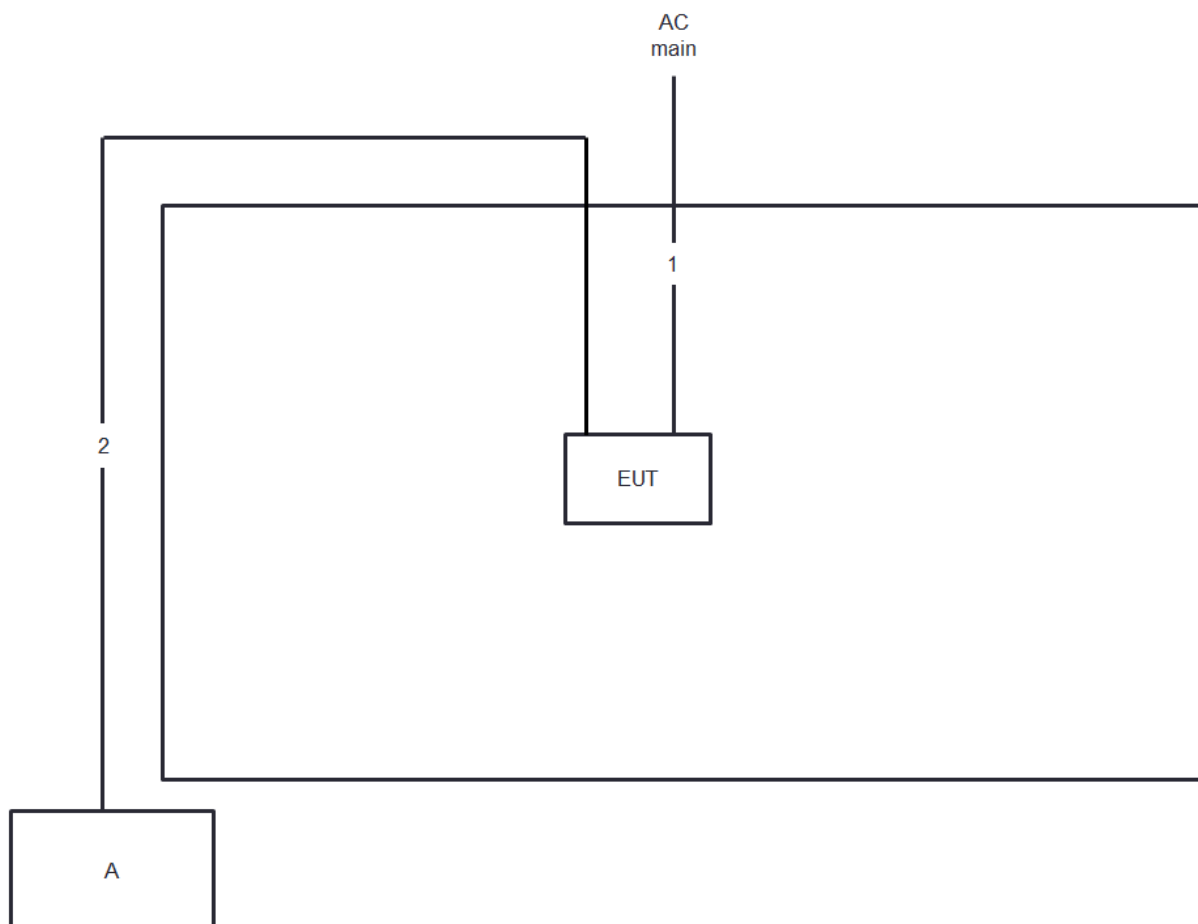
For beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	RX Device	LINKSYS	MR5500	2AYRA-03734

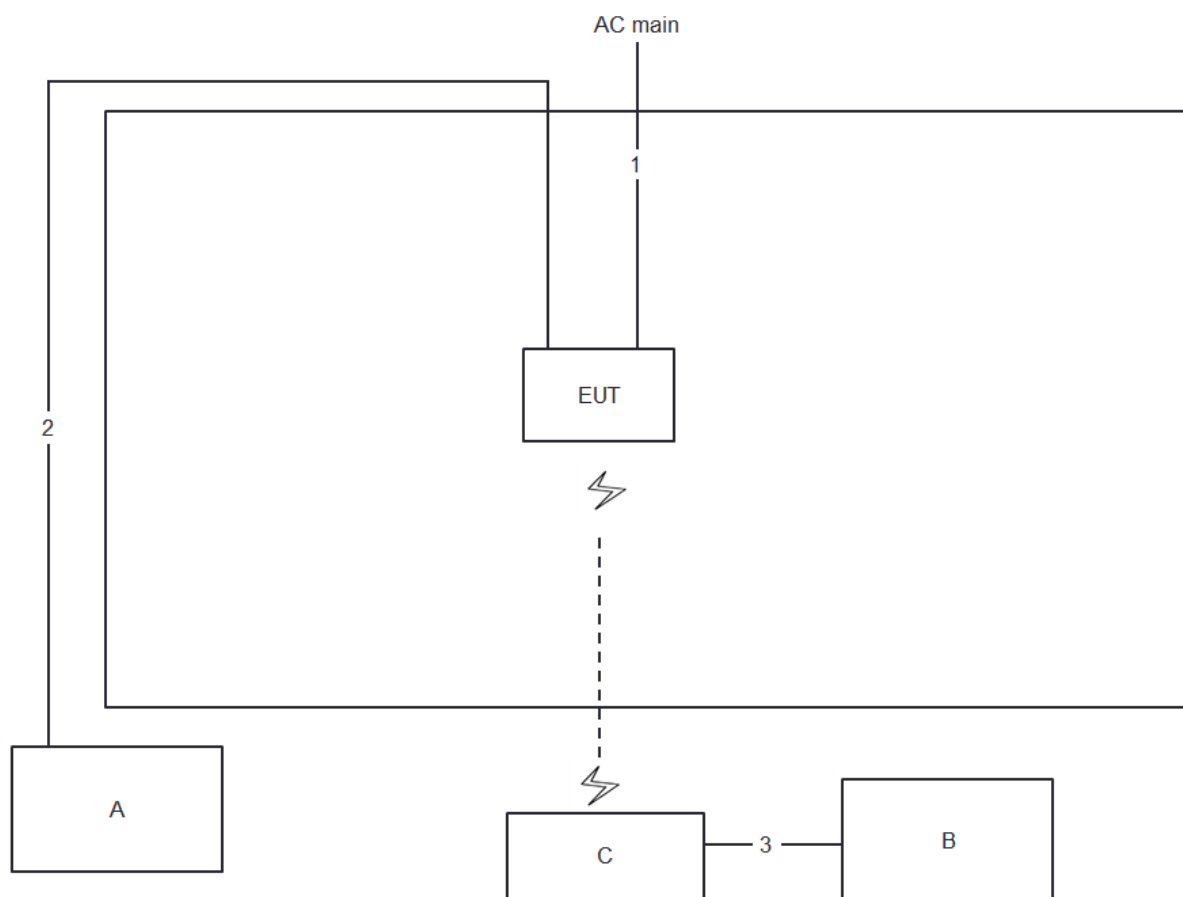
2.6 Test Setup Diagram



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	10m
3	RJ-45 cable	No	1.5m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

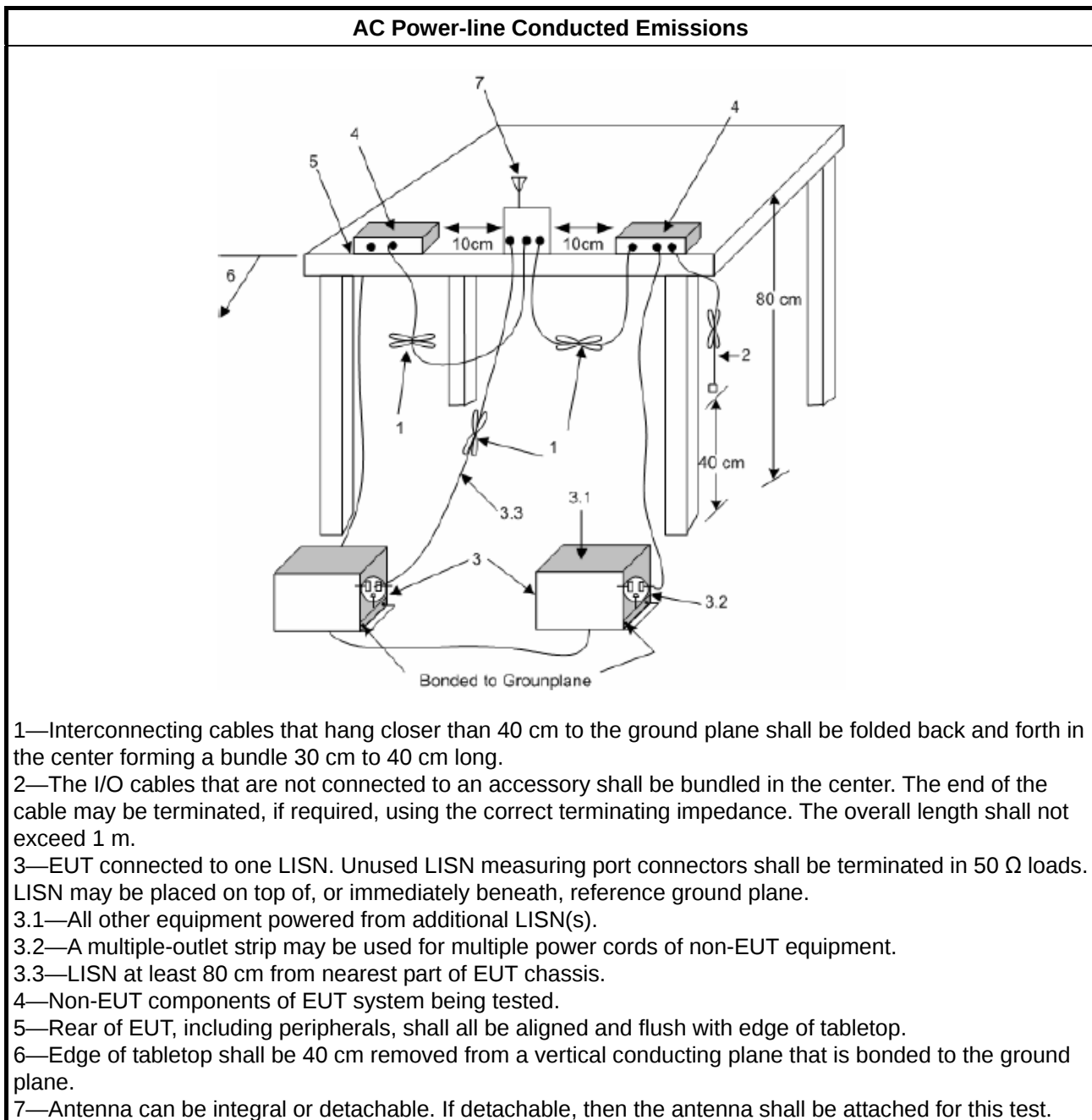
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

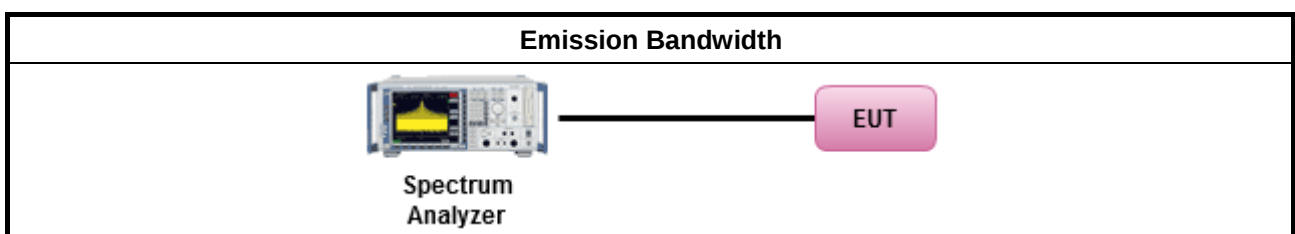
3.2.2 Measuring Instruments

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 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for 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	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
☐ For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
☐ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

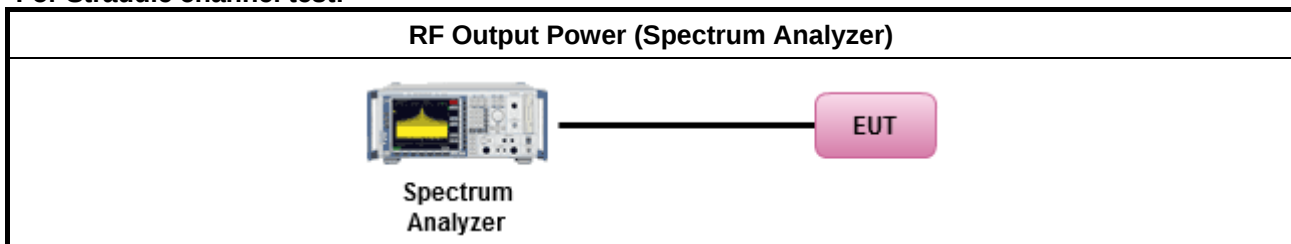
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

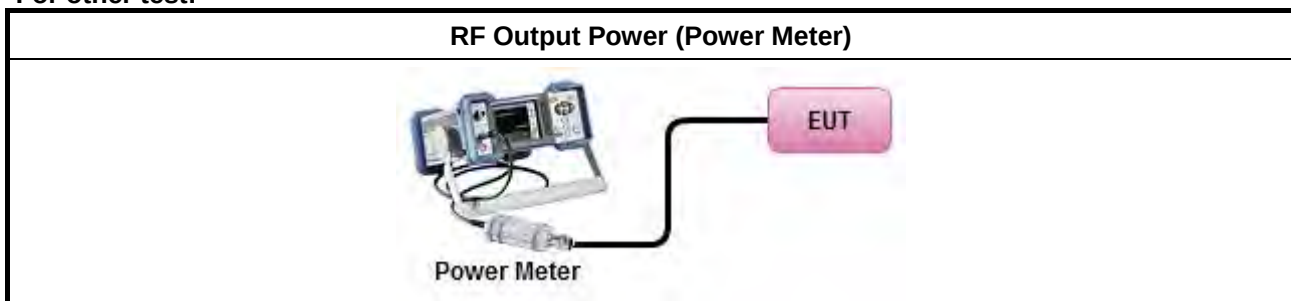
Test Method	
Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method PM-G (using an 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

For Straddle channel test:



For other test:



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	



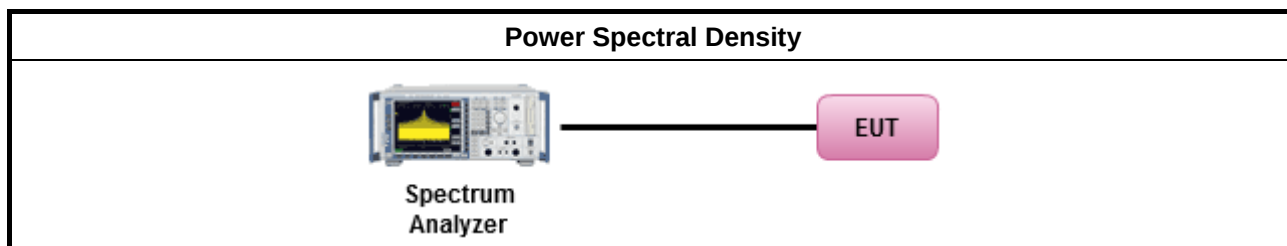
3.4.2 Measuring Instruments

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 shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
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.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.



Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Note 1: 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).	

3.5.2 Measuring Instruments

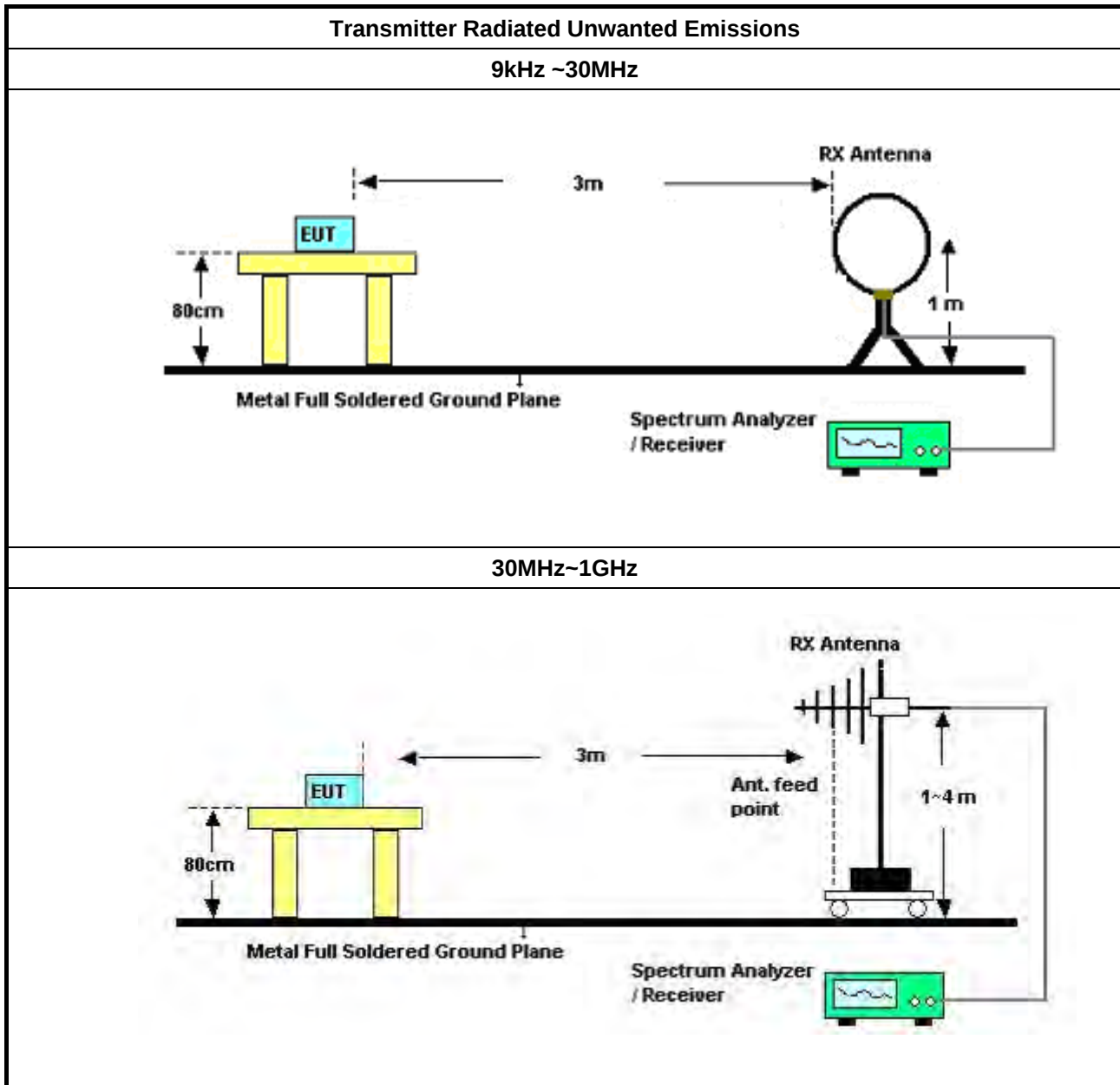
Refer a test equipment and calibration data table in this test report.

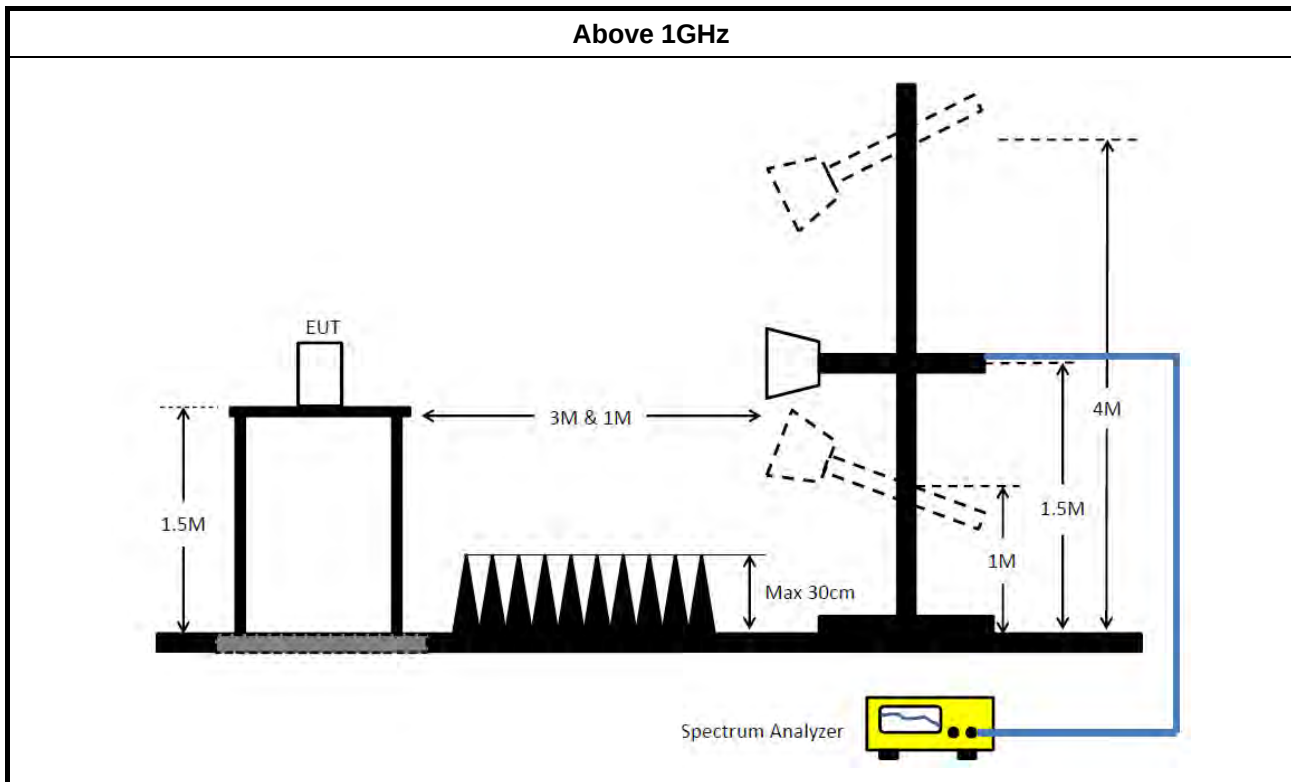


3.5.3 Test Procedures

Test Method	
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. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ 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 789033, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	For radiated measurement.
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	The any unwanted emissions level shall not exceed the fundamental emission level.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 20, 2020	Oct. 19, 2021	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 10, 2020	Aug. 09, 2021	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Nov. 08, 2020	Nov. 07, 2021	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Sep. 05, 2020	Sep. 04, 2021	Radiation (03CH05-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 28, 2020	Apr. 27, 2021	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 26GHz	Jul. 01, 2020	Jun. 30, 2021	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH05-CB)



RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 29, 2020	May 28, 2021	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2020	Nov. 05, 2021	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 07, 2021	Jan. 06, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 21, 2020	Sep. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)



RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 28, 2020	May 27, 2021	Radiation (03CH03-CB)
Horn Antenna	ETS • Lindgren	3115	6821	750MHz~18GHz	Jan. 26, 2021	Jan. 25, 2022	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS • Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)



RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 02, 2020	Oct. 01, 2021	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 22, 2020	Jul. 21, 2021	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 07, 2020	May 06, 2021	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 06, 2021	May 05, 2022	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Dec. 15, 2020	Dec. 14, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+24	1GHz~18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz ~26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
Cable	Woken	RG402	low Cable-30	9 kHz ~1 GHz	Apr. 06, 2021	Apr. 05, 2022	Conducted (TH01-CB)



RADIO TEST REPORT

Report No. : FR140727-01

Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 23, 2021	Feb. 22, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

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



Conducted Emissions at Powerline

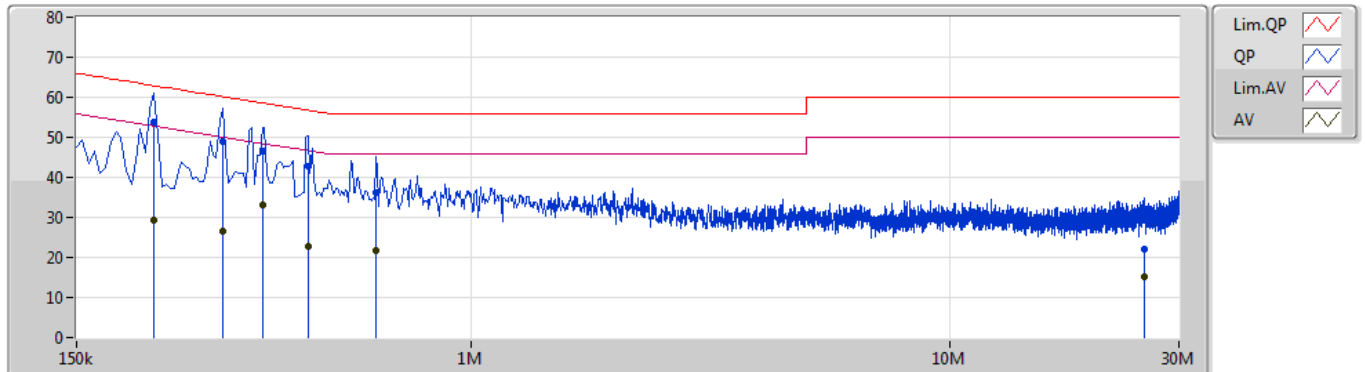
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	QP	150k	58.90	66.00	-7.10	Neutral

Mode 2

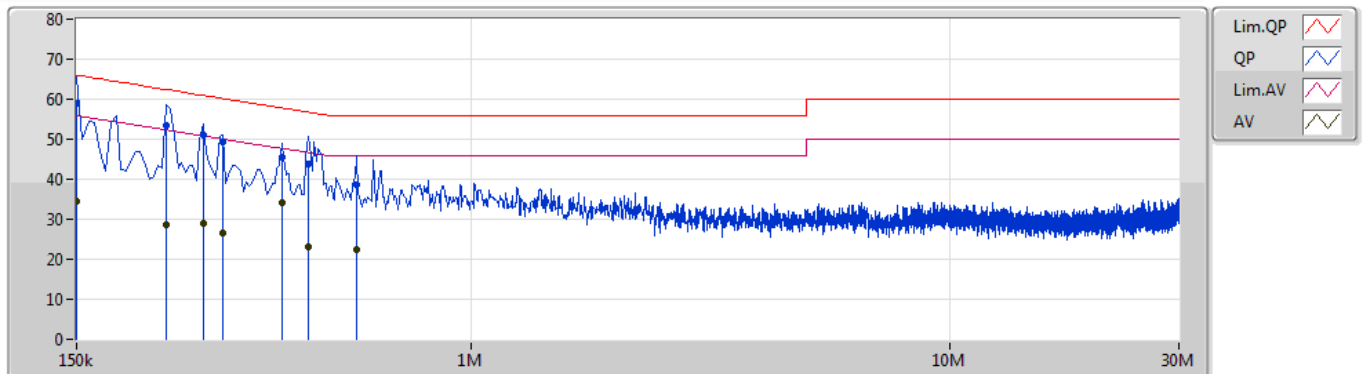
23/04/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	217.5k	53.76	62.92	-9.16	10.29	Line	"Worst"	43.47	0.07	0.07	10.15			
AV	217.5k	29.34	52.92	-23.58	10.29	Line	-	19.05	0.07	0.07	10.15			
QP	303k	49.06	60.17	-11.11	10.27	Line	-	38.79	0.08	0.06	10.13			
AV	303k	26.69	50.17	-23.48	10.27	Line	-	16.42	0.08	0.06	10.13			
QP	366k	46.72	58.60	-11.88	10.26	Line	-	36.46	0.08	0.06	10.12			
AV	366k	33.27	48.60	-15.33	10.26	Line	-	23.01	0.08	0.06	10.12			
QP	456k	42.65	56.76	-14.11	10.25	Line	-	32.40	0.08	0.06	10.11			
AV	456k	22.90	46.76	-23.86	10.25	Line	-	12.65	0.08	0.06	10.11			
QP	631.5k	36.26	56.00	-19.74	10.26	Line	-	26.00	0.08	0.07	10.11			
AV	631.5k	21.65	46.00	-24.35	10.26	Line	-	11.39	0.08	0.07	10.11			
QP	25.373M	22.11	60.00	-37.89	11.02	Line	-	11.09	0.54	0.28	10.20			
AV	25.373M	15.27	50.00	-34.73	11.02	Line	-	4.25	0.54	0.28	10.20			

Mode 2

23/04/2021



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	58.90	66.00	-7.10	10.28	Neutral	"Worst"	48.62	0.06	0.07	10.15			
AV	150k	34.60	56.00	-21.40	10.28	Neutral	-	24.32	0.06	0.07	10.15			
QP	231k	53.62	62.41	-8.79	10.28	Neutral	-	43.34	0.06	0.07	10.15			
AV	231k	28.51	52.41	-23.90	10.28	Neutral	-	18.23	0.06	0.07	10.15			
QP	276k	51.10	60.93	-9.83	10.27	Neutral	-	40.83	0.06	0.07	10.14			
AV	276k	28.90	50.93	-22.03	10.27	Neutral	-	18.63	0.06	0.07	10.14			
QP	303k	49.39	60.17	-10.78	10.25	Neutral	-	39.14	0.06	0.06	10.13			
AV	303k	26.65	50.17	-23.52	10.25	Neutral	-	16.40	0.06	0.06	10.13			
QP	402k	45.61	57.82	-12.21	10.23	Neutral	-	35.38	0.06	0.06	10.11			
AV	402k	34.10	47.82	-13.72	10.23	Neutral	-	23.87	0.06	0.06	10.11			
QP	456k	43.96	56.76	-12.80	10.23	Neutral	-	33.73	0.06	0.06	10.11			
AV	456k	23.03	46.76	-23.73	10.23	Neutral	-	12.80	0.06	0.06	10.11			
QP	577.5k	38.79	56.00	-17.21	10.25	Neutral	-	28.54	0.07	0.07	10.11			
AV	577.5k	22.58	46.00	-23.42	10.25	Neutral	-	12.33	0.07	0.07	10.11			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.72M	78.801M	78M8D1D	81.24M	77.361M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.1M	16.582M	16M6D1D	19.29M	16.492M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.87M	19.07M	19M1D1D	21.06M	19.01M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	41.88M	37.781M	37M8D1D	40.38M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.44M	77.241M	77M2D1D	80.76M	77.001M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	82.8M	78.081M	78M1D1D	82.32M	77.601M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.98M	16.552M	16M6D1D	19.29M	16.492M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.76M	19.07M	19M1D1D	21.42M	19.01M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	42.06M	38.321M	38M3D1D	40.32M	37.601M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.44M	77.241M	77M2D1D	80.88M	76.882M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.12M	156.402M	156MD1D	161.52M	154.723M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

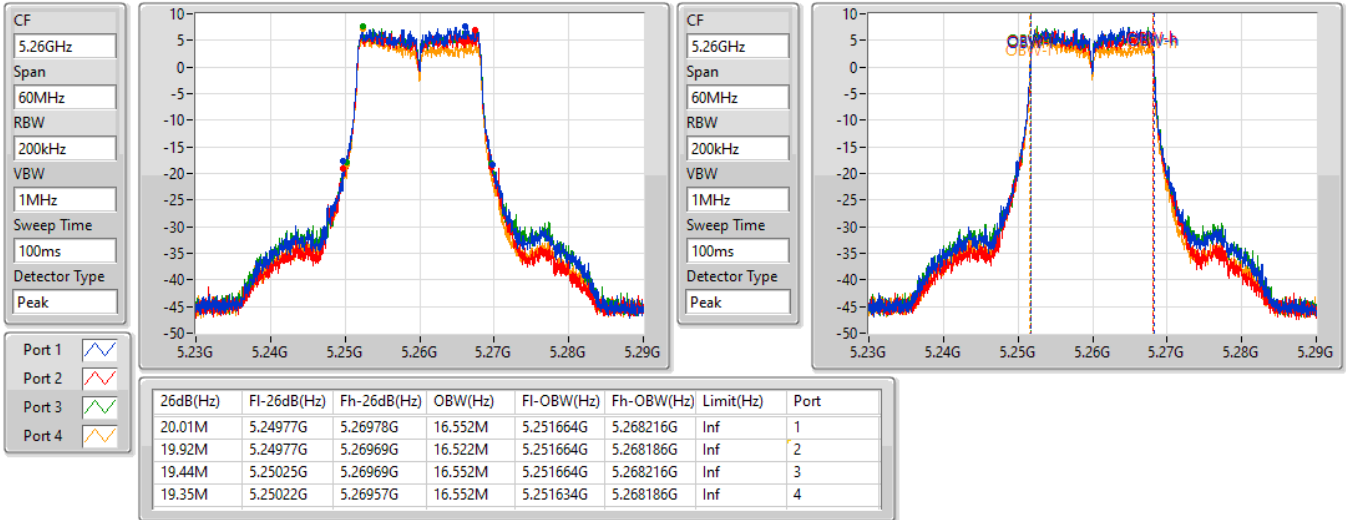
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.01M	16.552M	19.92M	16.522M	19.44M	16.552M	19.35M	16.552M
5300MHz	Pass	Inf	19.92M	16.492M	19.83M	16.522M	19.5M	16.582M	19.38M	16.522M
5320MHz	Pass	Inf	19.86M	16.552M	20.1M	16.522M	19.29M	16.552M	19.32M	16.522M
5500MHz	Pass	Inf	19.98M	16.522M	19.83M	16.522M	19.35M	16.552M	19.47M	16.552M
5580MHz	Pass	Inf	19.86M	16.552M	19.8M	16.492M	19.5M	16.522M	19.29M	16.552M
5700MHz	Pass	Inf	19.77M	16.522M	19.8M	16.522M	19.44M	16.552M	19.59M	16.522M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.06M	19.07M	21.33M	19.04M	21.48M	19.07M	21.39M	19.04M
5300MHz	Pass	Inf	21.87M	19.01M	21.36M	19.04M	21.27M	19.04M	21.6M	19.01M
5320MHz	Pass	Inf	21.33M	19.07M	21.78M	19.01M	21.42M	19.01M	21.57M	19.07M
5500MHz	Pass	Inf	23.76M	19.04M	21.48M	19.01M	21.6M	19.04M	21.66M	19.07M
5580MHz	Pass	Inf	21.9M	19.04M	21.42M	19.04M	21.72M	19.07M	21.54M	19.07M
5700MHz	Pass	Inf	21.69M	19.04M	21.63M	19.01M	21.57M	19.07M	21.48M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.38M	37.721M	41.88M	37.661M	41.22M	37.721M	41.34M	37.781M
5310MHz	Pass	Inf	40.68M	37.661M	41.64M	37.661M	41.16M	37.541M	41.52M	37.661M
5510MHz	Pass	Inf	41.52M	37.661M	42.06M	38.321M	41.22M	37.721M	40.32M	37.721M
5550MHz	Pass	Inf	40.38M	37.601M	40.5M	37.661M	41.04M	37.721M	40.92M	37.721M
5670MHz	Pass	Inf	40.56M	37.661M	41.88M	37.721M	40.56M	37.721M	40.92M	37.721M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.24M	77.001M	82.44M	77.241M	81.12M	77.121M	80.76M	77.121M
5530MHz	Pass	Inf	82.44M	77.241M	81.24M	76.882M	81.36M	77.001M	80.88M	77.121M
5610MHz	Pass	Inf	81.72M	77.001M	81.24M	77.121M	81.24M	76.882M	81.36M	77.121M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.48M	77.361M	81.72M	78.801M	81.24M	77.721M	81.48M	78.201M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.32M	77.601M	82.44M	78.081M	82.8M	77.601M	82.44M	77.721M
5570MHz	Pass	Inf	162.24M	154.723M	164.88M	154.723M	161.52M	156.402M	165.12M	155.202M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

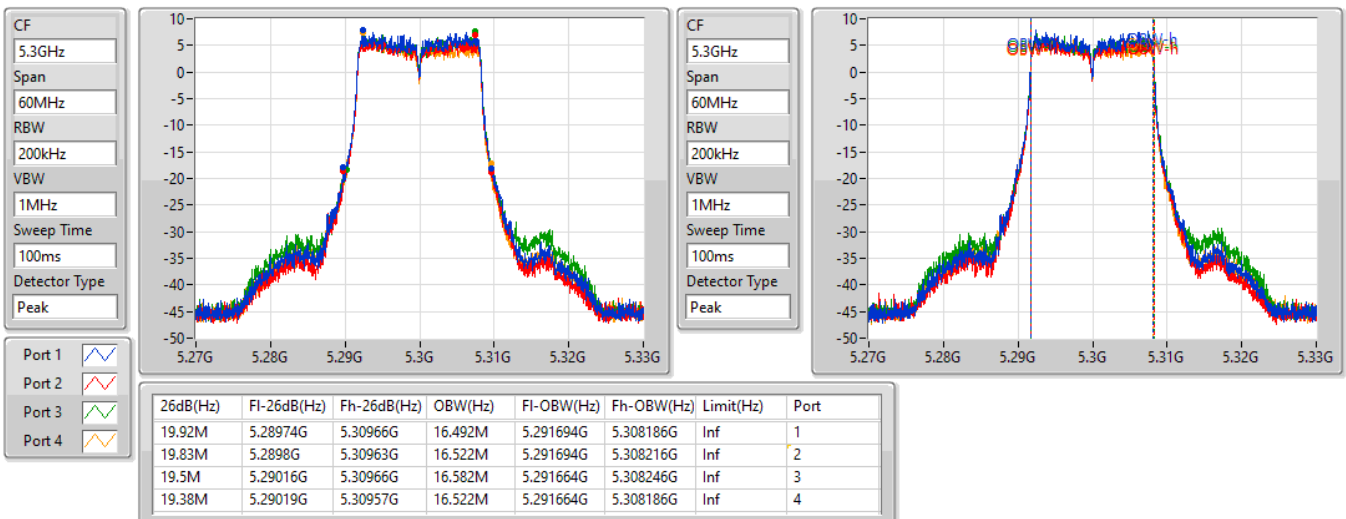
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

27/04/2021

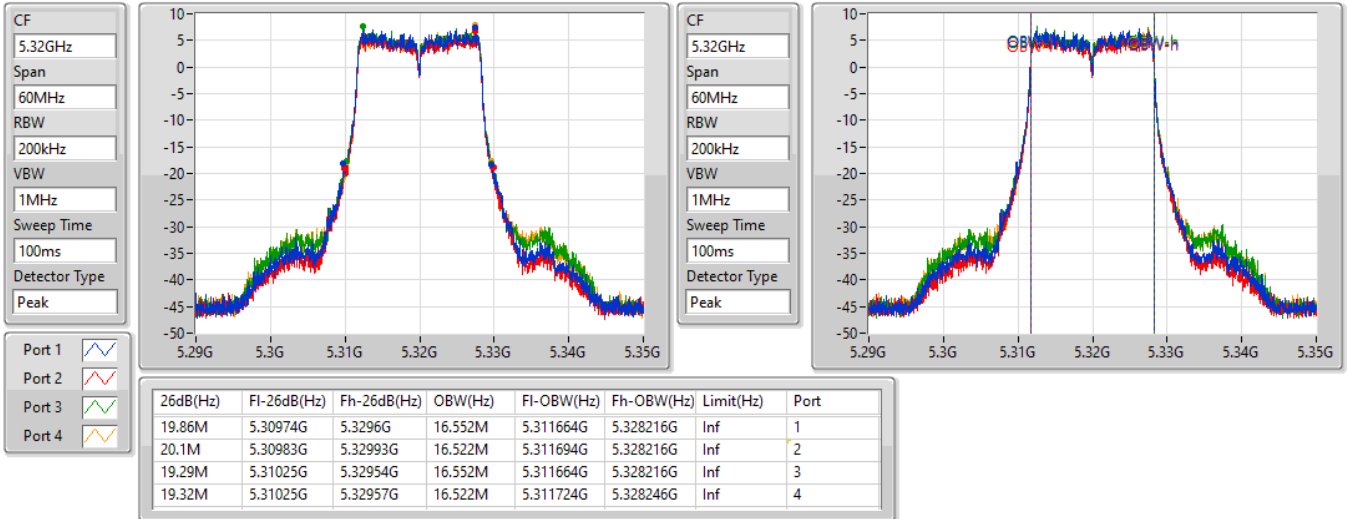

802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

27/04/2021

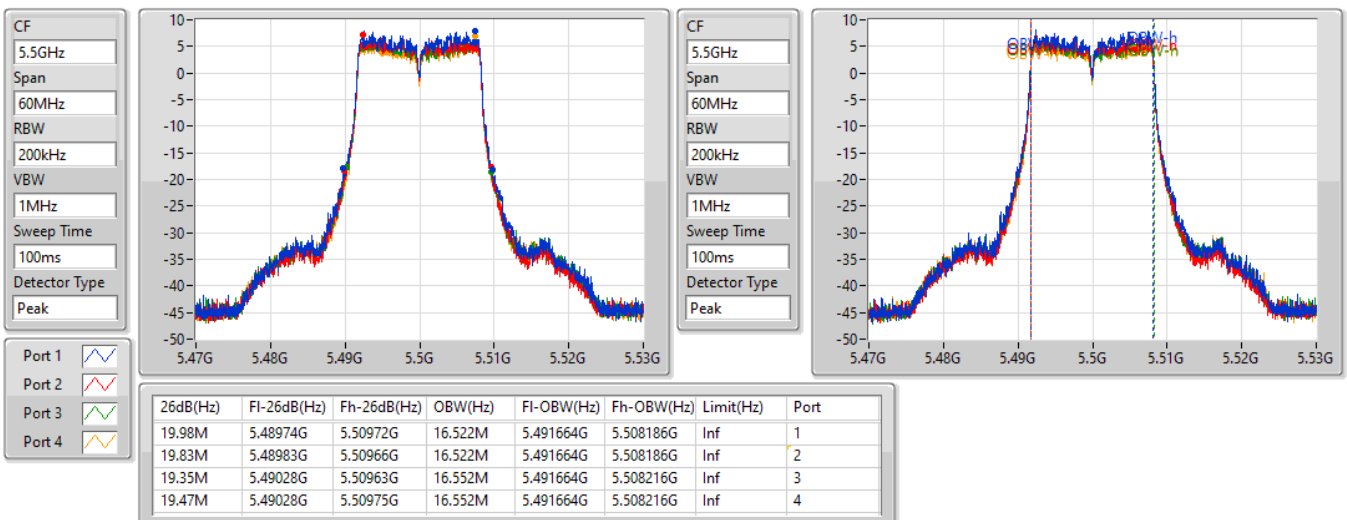


802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

27/04/2021

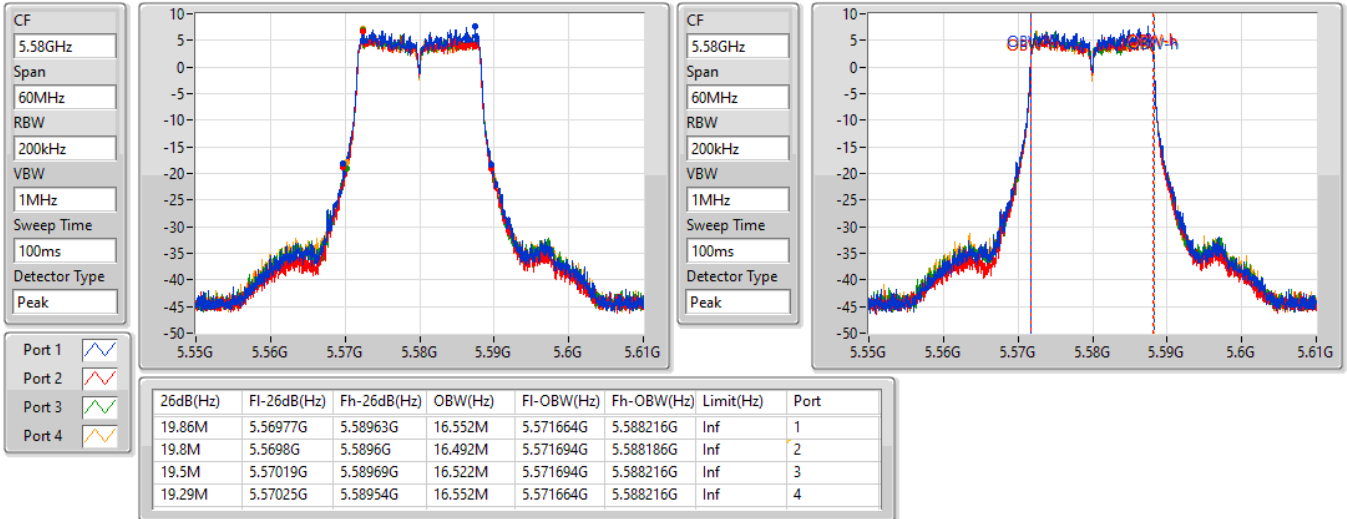

802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

27/04/2021

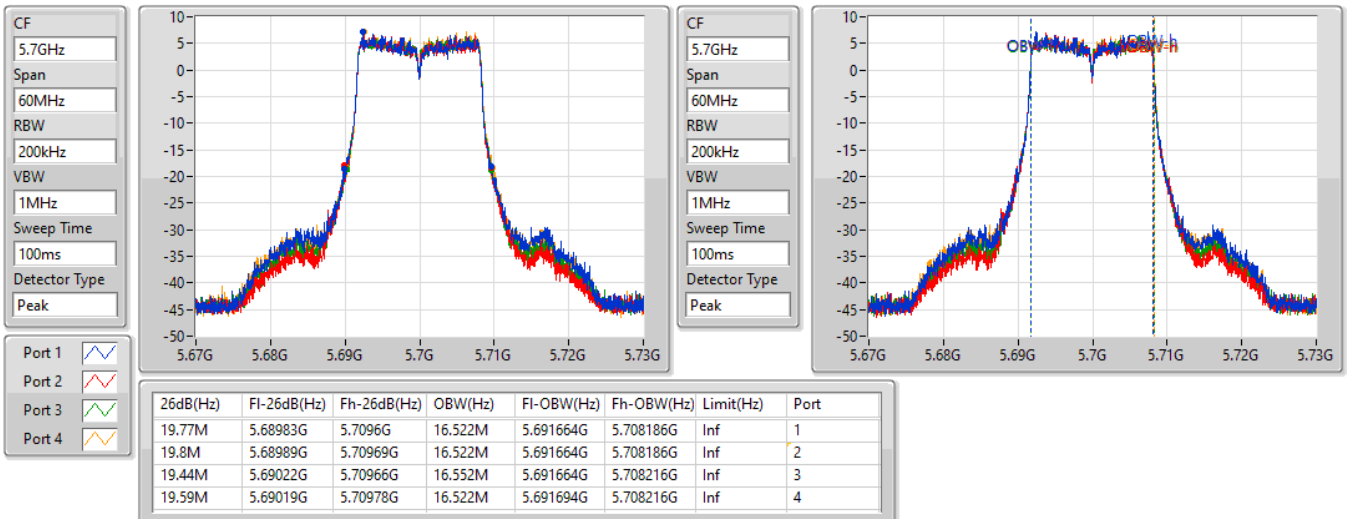


802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

27/04/2021

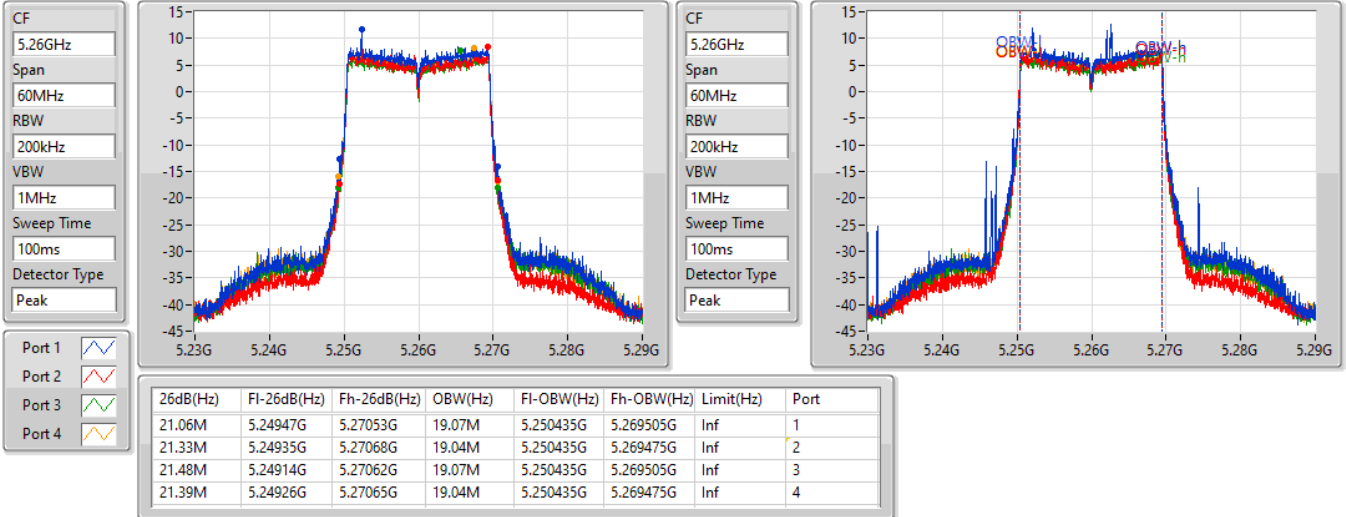

802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

27/04/2021

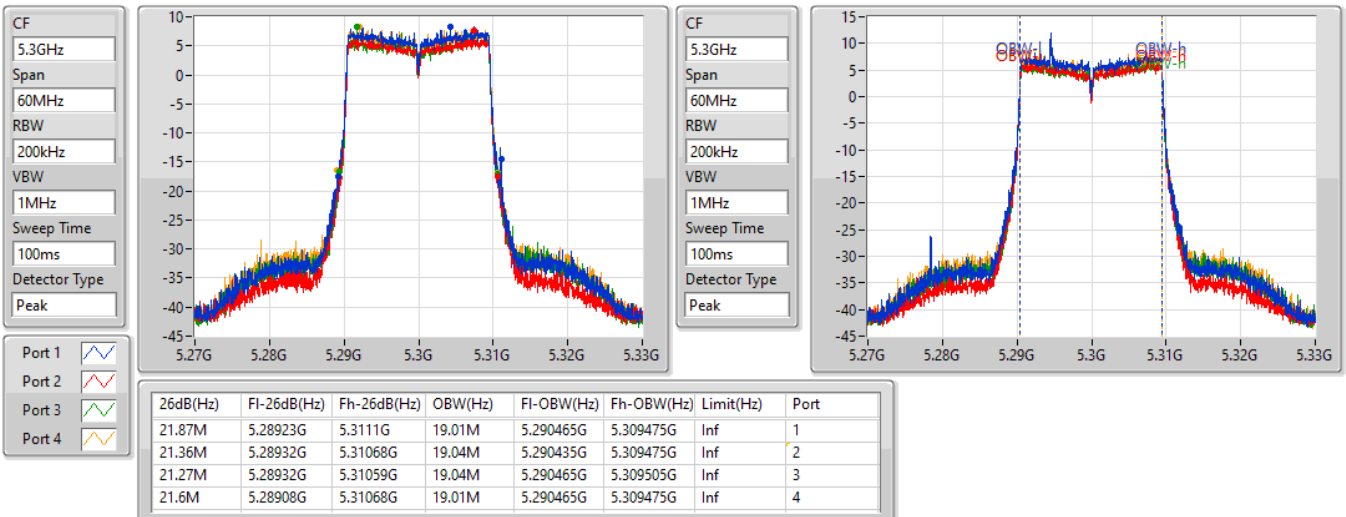


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5260MHz

28/04/2021

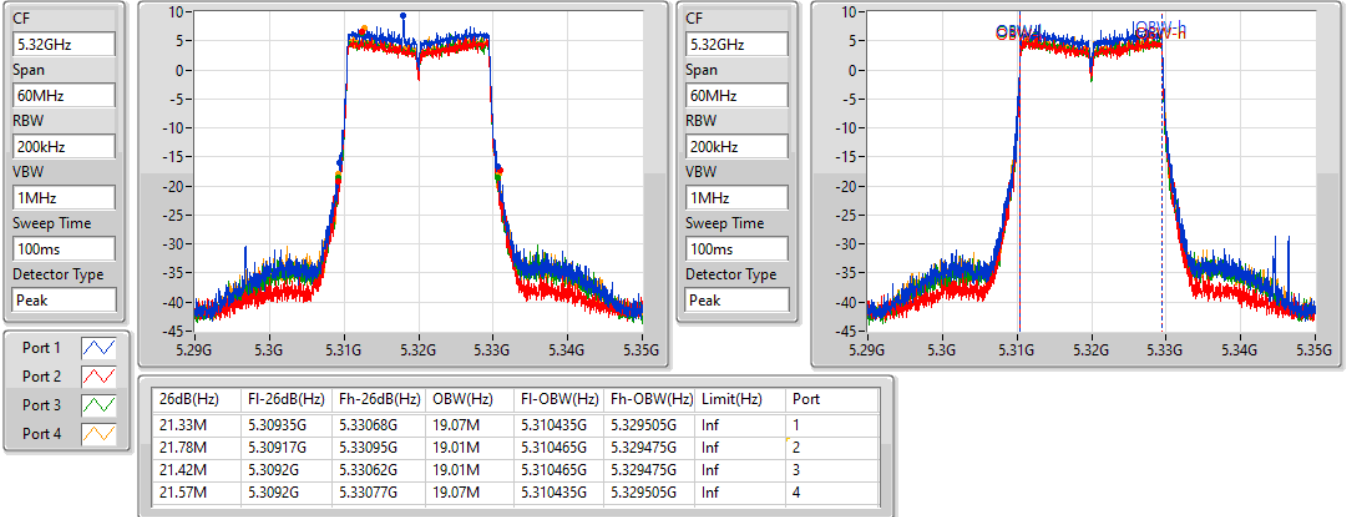

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5300MHz

28/04/2021

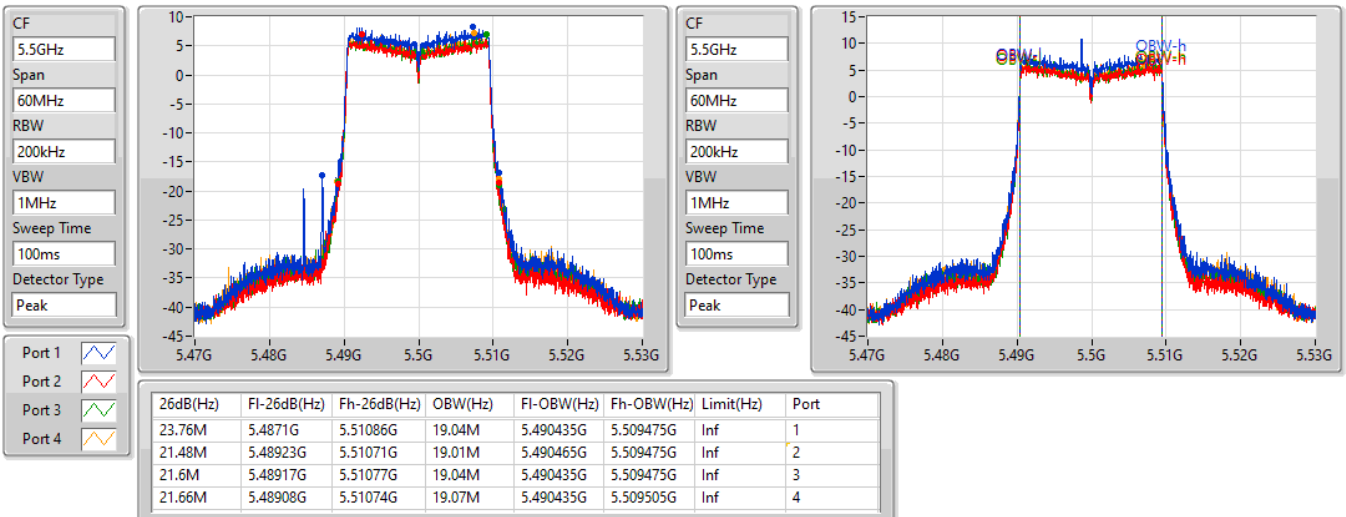


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EBW
5320MHz

28/04/2021

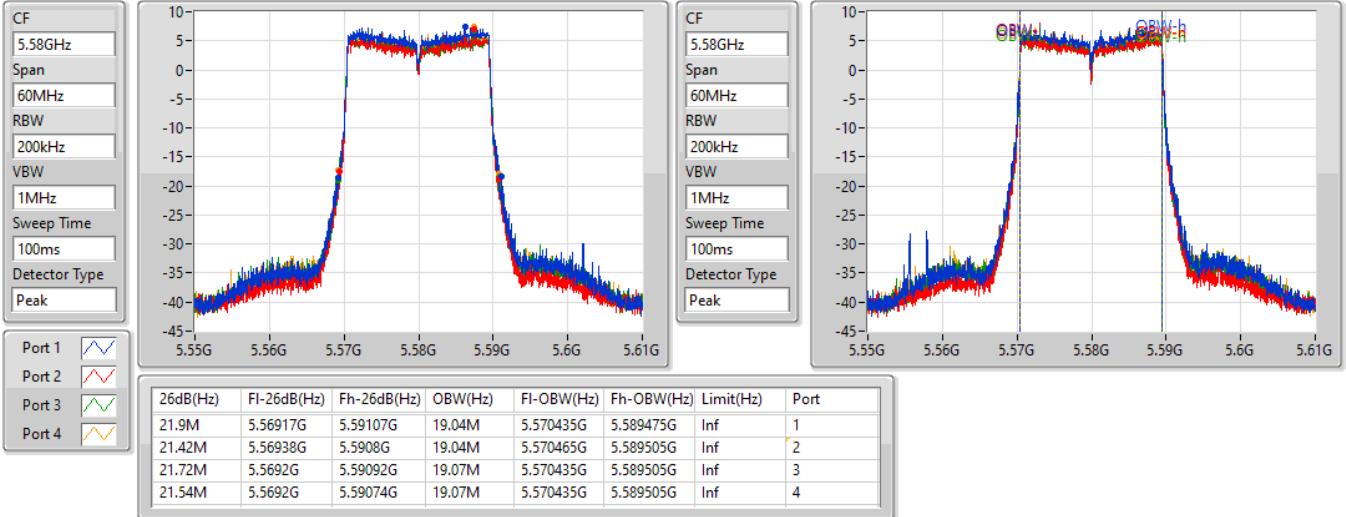

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5500MHz

28/04/2021

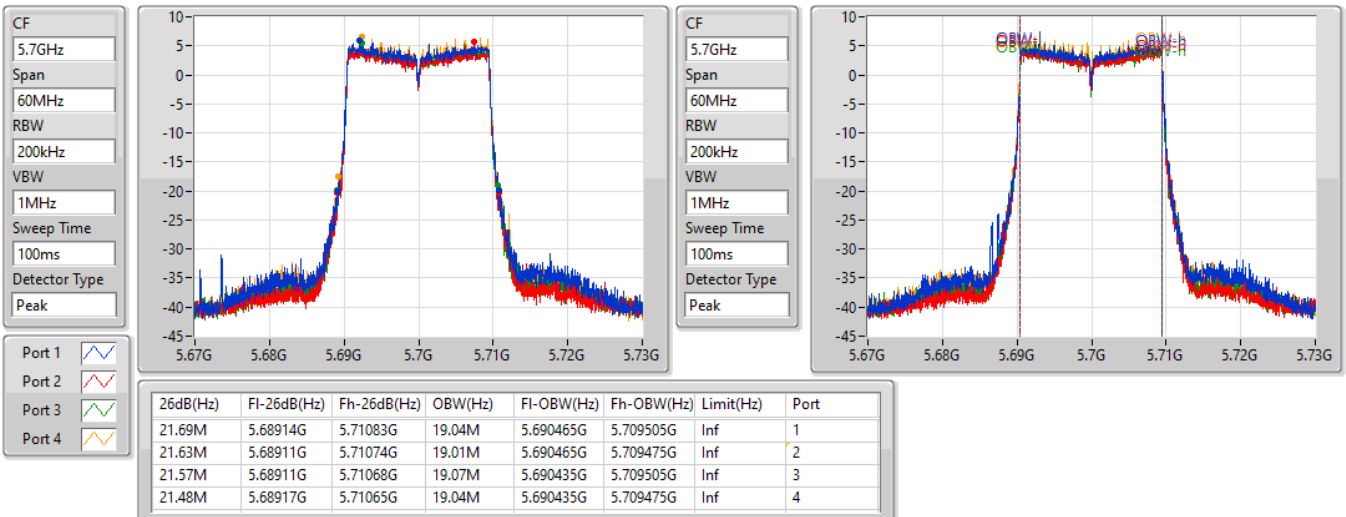


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5580MHz

28/04/2021


802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
5700MHz

28/04/2021

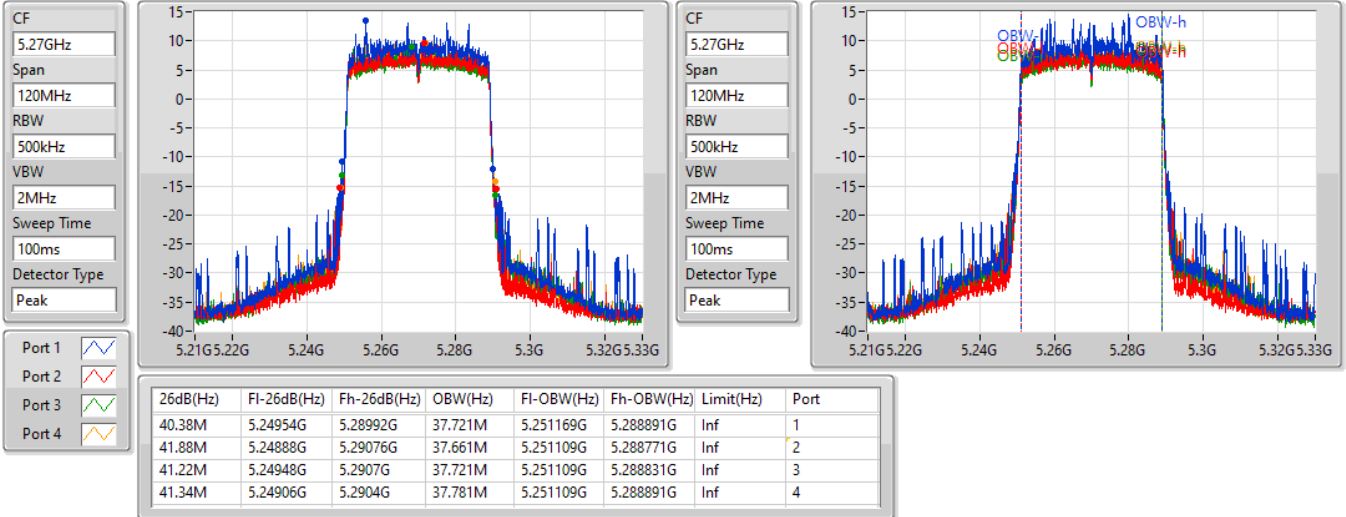


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

28/04/2021

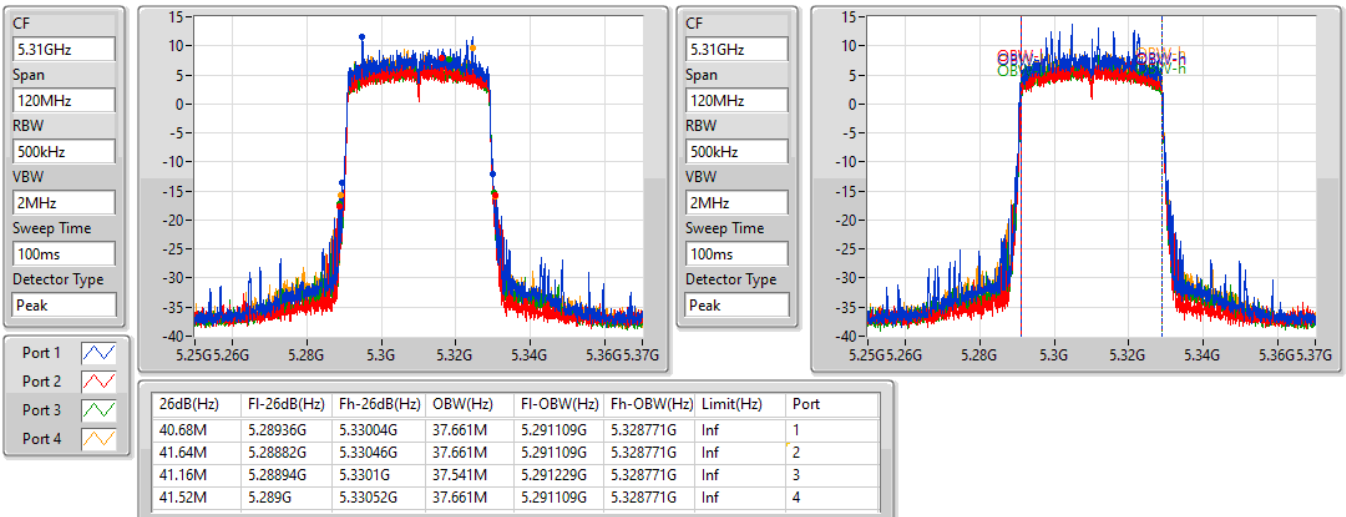


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

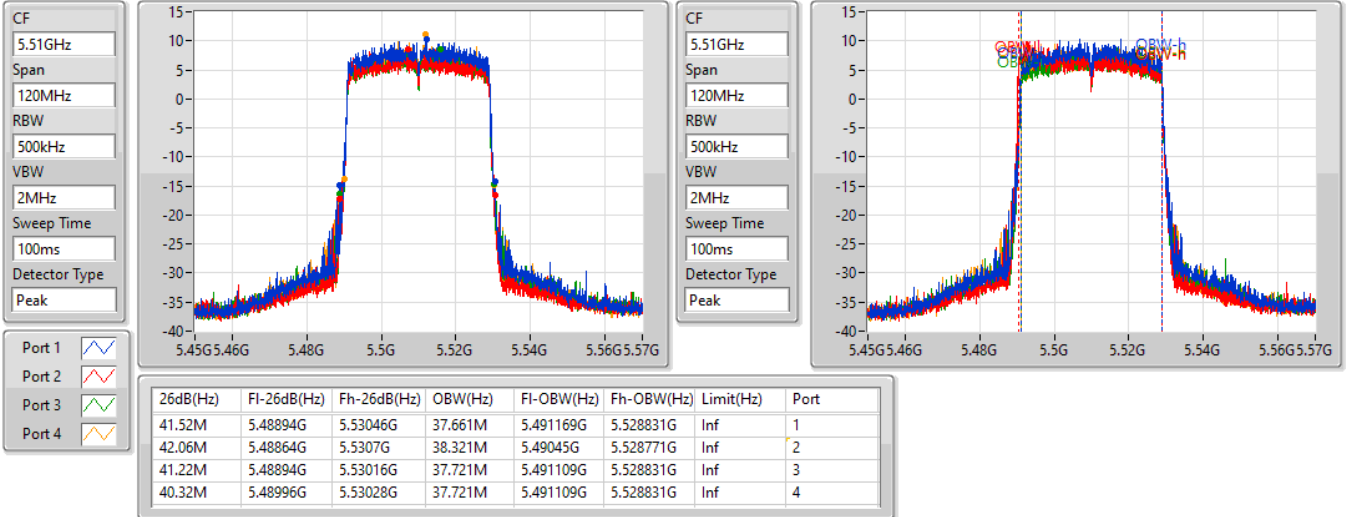
5310MHz

28/04/2021

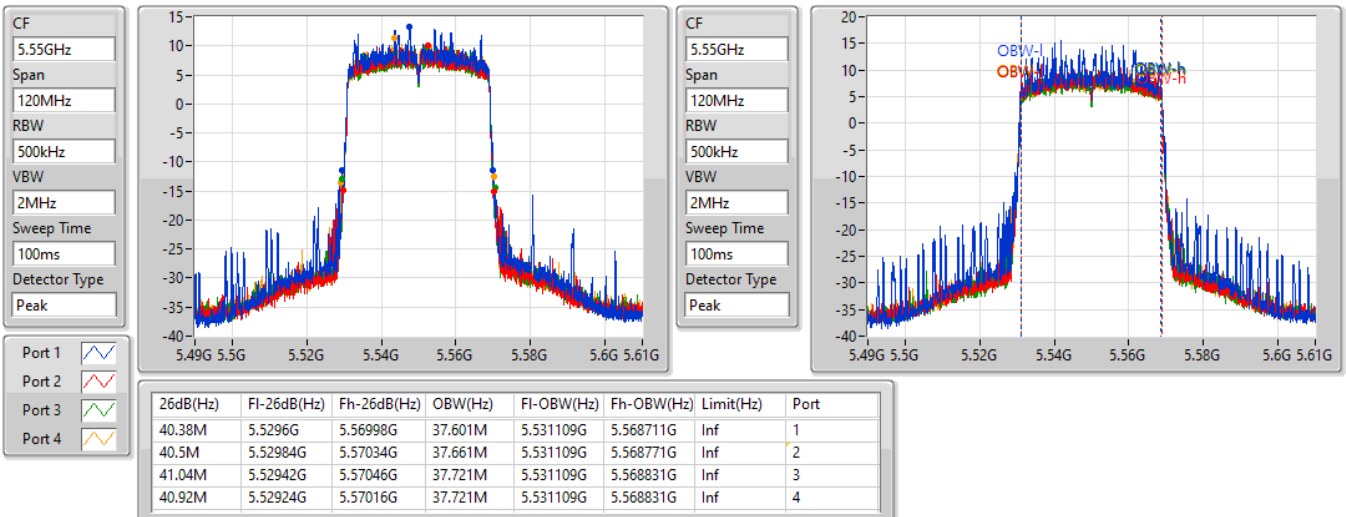


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5510MHz

28/04/2021

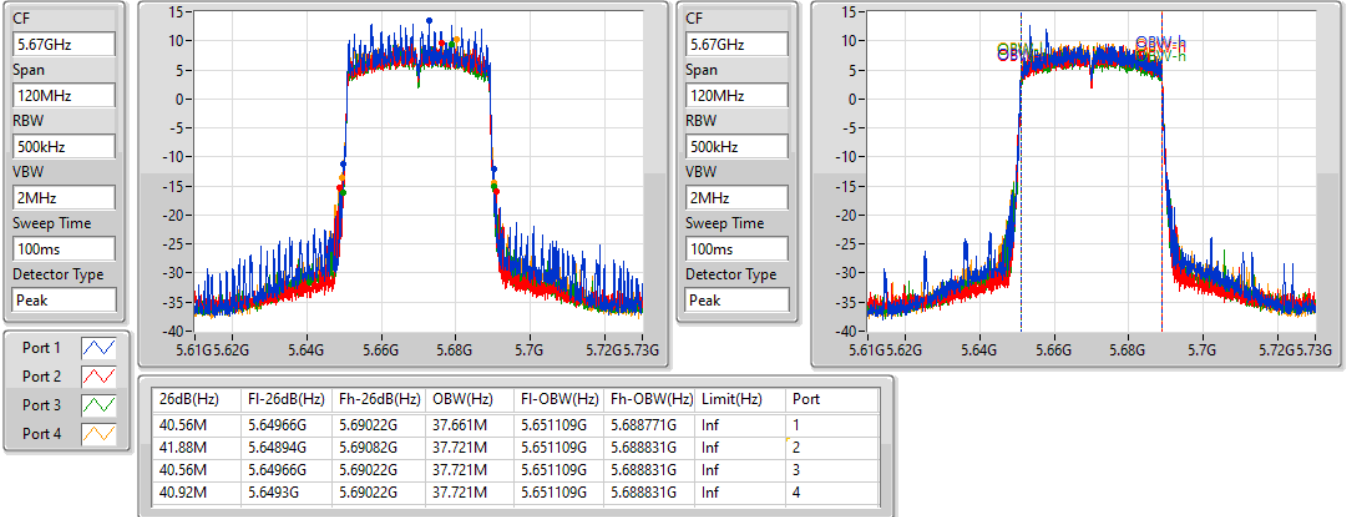

802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5550MHz

28/04/2021

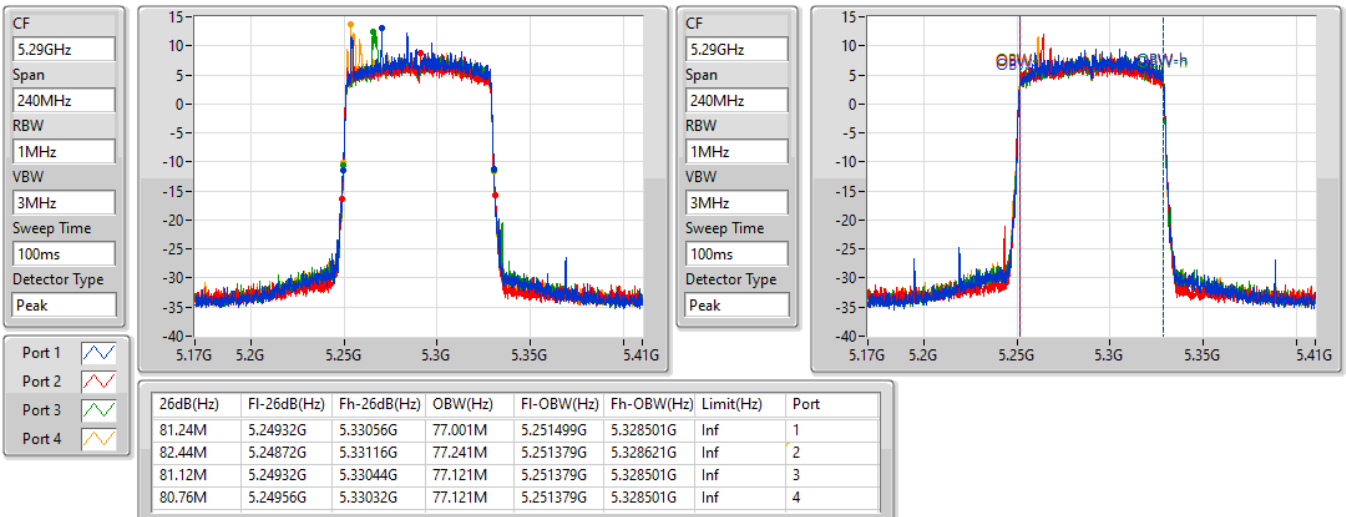


802.11ax HEW40-BF_Nss1,(MCS0)_4TX
EBW
5670MHz

28/04/2021

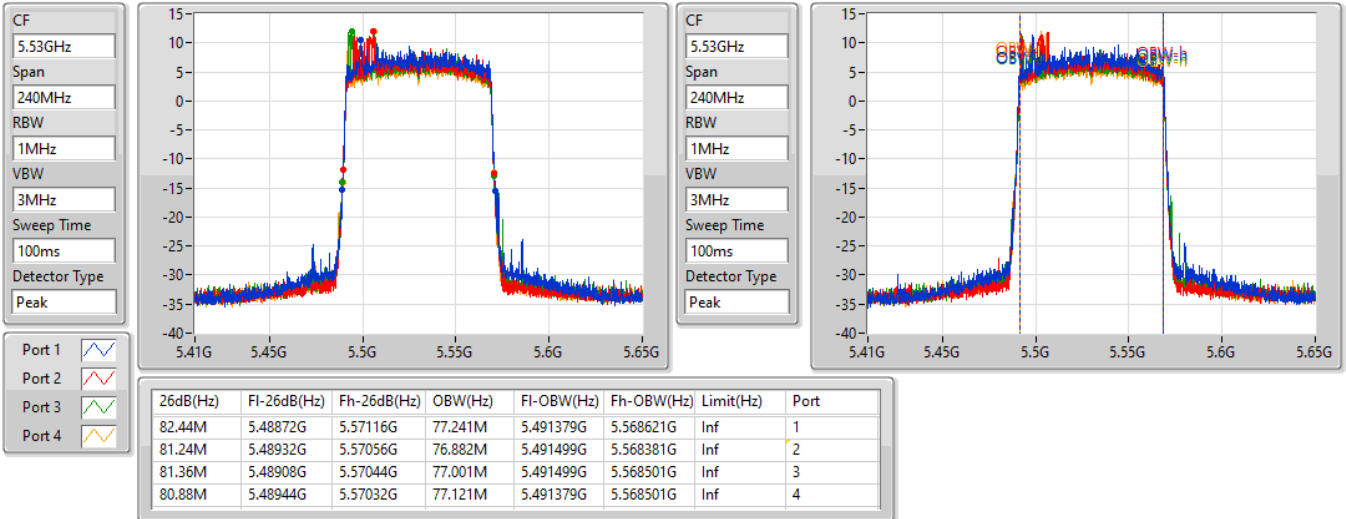

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5290MHz

28/04/2021

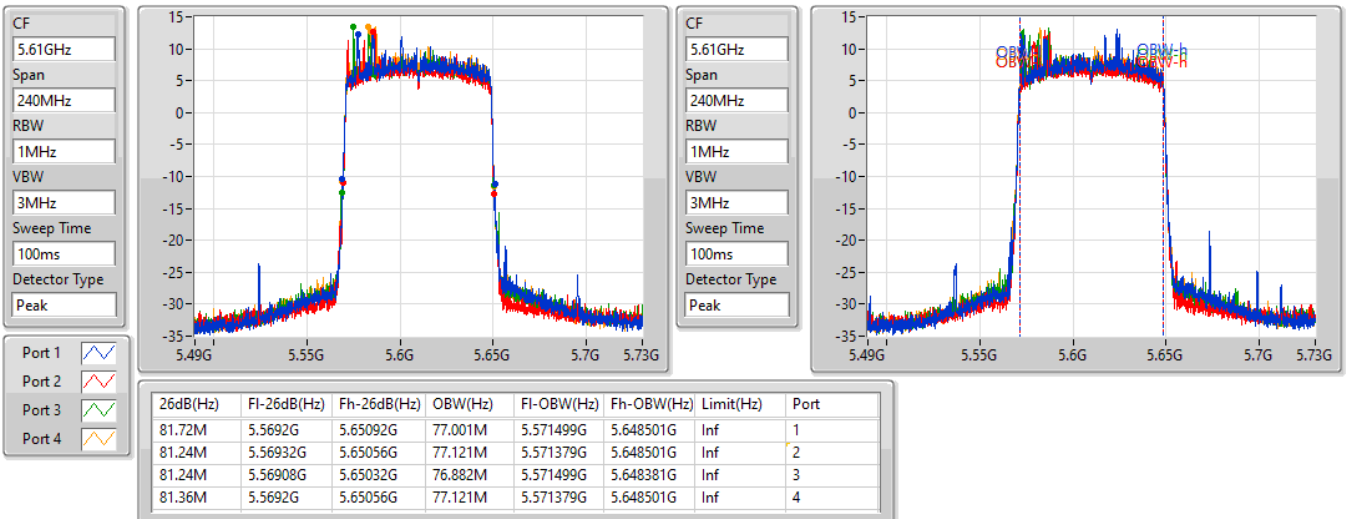


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5530MHz

30/04/2021

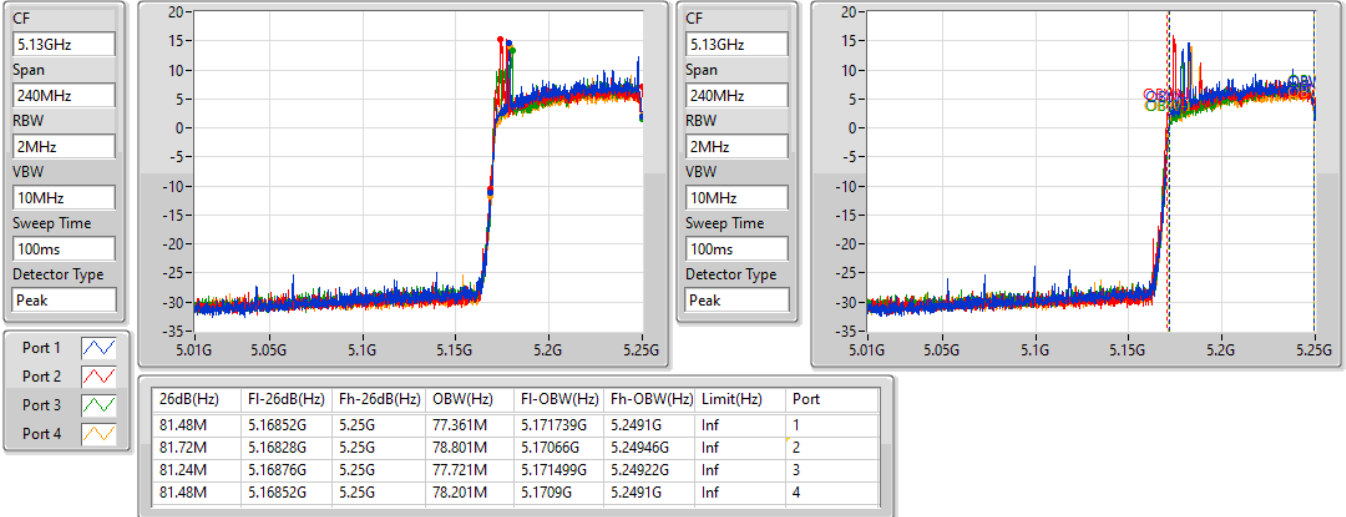

802.11ax HEW80-BF_Nss1,(MCS0)_4TX
EBW
5610MHz

28/04/2021

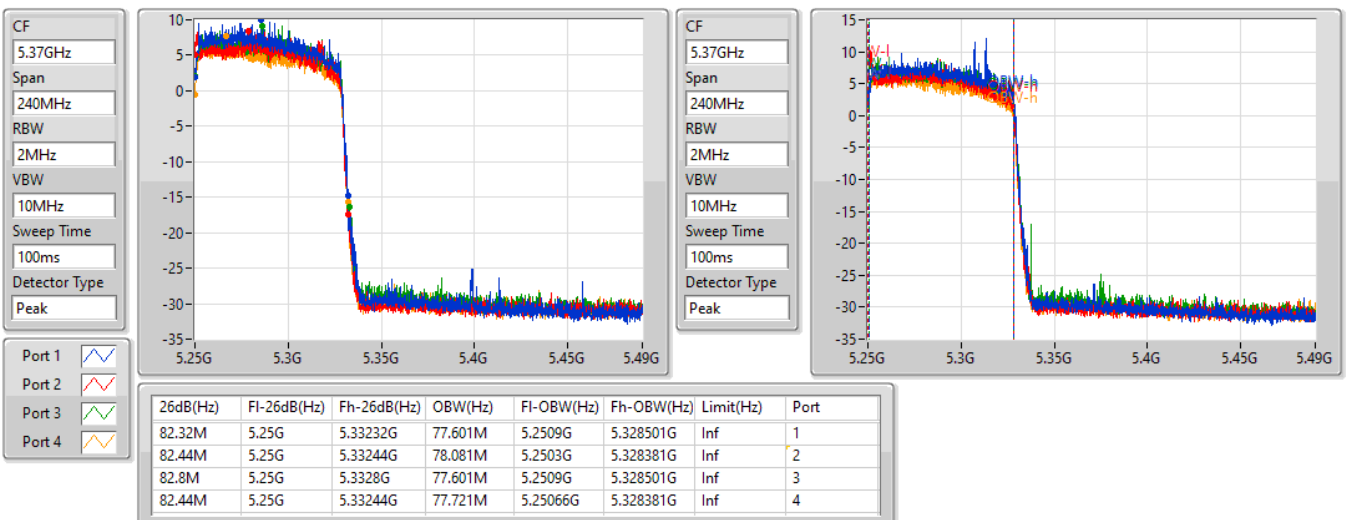


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

30/04/2021


802.11ax HEW160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

30/04/2021

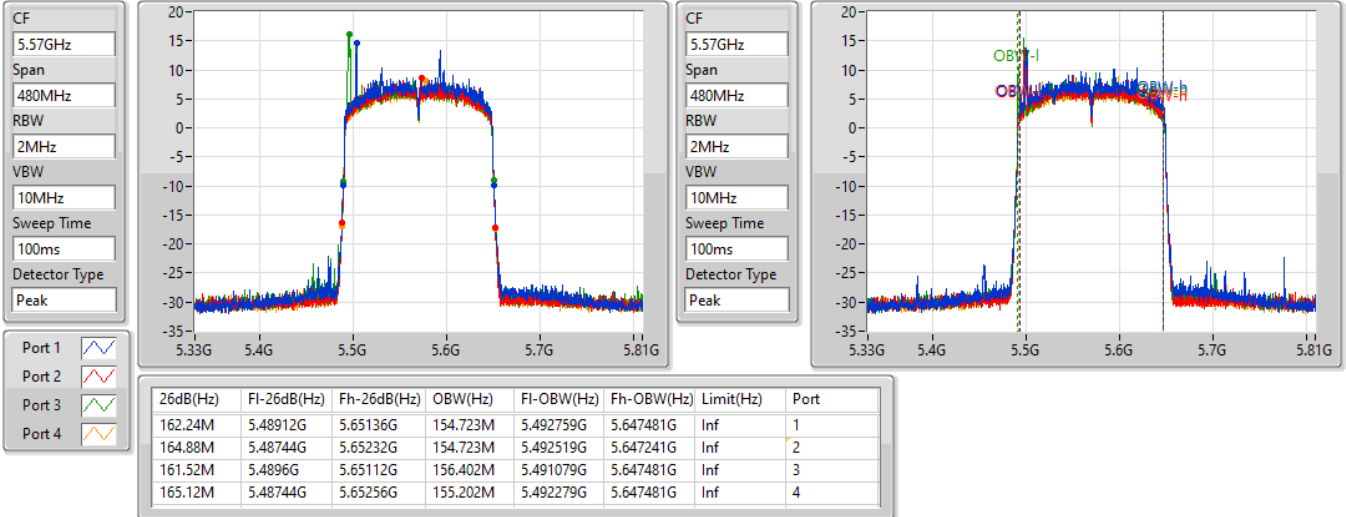


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

30/04/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	82.2M	78.441M	78M4D1D	81.12M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	22.14M	19.07M	19M1D1D	21.33M	19.04M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.68M	37.721M	37M7D1D	40.2M	37.601M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.48M	77.121M	77M1D1D	81.12M	77.001M
802.11ax HEW160_Nss4,(MCS0)_4TX	82.56M	77.721M	77M7D1D	82.08M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	22.23M	19.07M	19M1D1D	21.33M	19.04M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.62M	37.721M	37M7D1D	40.08M	37.601M
802.11ax HEW80_Nss4,(MCS0)_4TX	81.84M	77.241M	77M2D1D	81.12M	76.882M
802.11ax HEW160_Nss4,(MCS0)_4TX	164.4M	154.963M	155MD1D	161.28M	154.483M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

Result

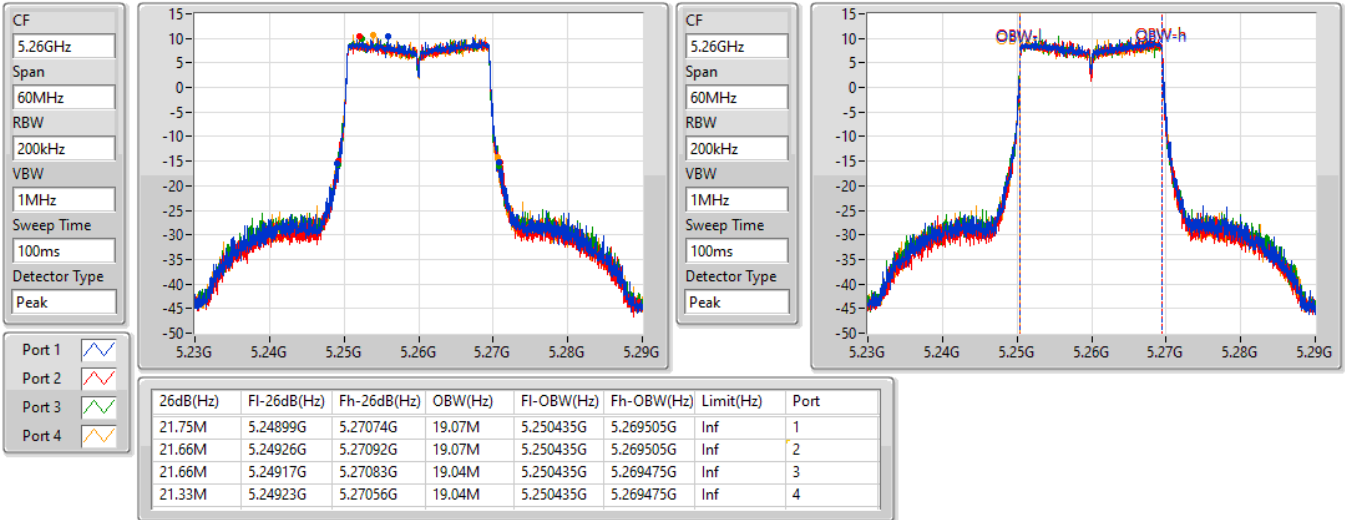
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.75M	19.07M	21.66M	19.07M	21.66M	19.04M	21.33M	19.04M
5300MHz	Pass	Inf	21.9M	19.04M	21.93M	19.04M	21.72M	19.07M	21.33M	19.04M
5320MHz	Pass	Inf	21.51M	19.07M	22.14M	19.04M	21.57M	19.07M	21.75M	19.04M
5500MHz	Pass	Inf	21.39M	19.04M	21.66M	19.07M	21.72M	19.04M	21.51M	19.04M
5580MHz	Pass	Inf	21.63M	19.07M	21.69M	19.07M	21.33M	19.04M	21.33M	19.07M
5700MHz	Pass	Inf	21.42M	19.04M	22.23M	19.04M	21.75M	19.04M	21.63M	19.04M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.56M	37.661M	40.2M	37.661M	40.38M	37.721M	40.2M	37.661M
5310MHz	Pass	Inf	40.68M	37.721M	40.32M	37.601M	40.68M	37.661M	40.2M	37.661M
5510MHz	Pass	Inf	40.62M	37.661M	40.32M	37.601M	40.44M	37.721M	40.5M	37.601M
5550MHz	Pass	Inf	40.26M	37.661M	40.32M	37.601M	40.14M	37.721M	40.08M	37.661M
5670MHz	Pass	Inf	40.32M	37.661M	40.2M	37.601M	40.2M	37.661M	40.56M	37.661M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.48M	77.001M	81.24M	77.121M	81.24M	77.001M	81.12M	77.121M
5530MHz	Pass	Inf	81.72M	77.121M	81.12M	76.882M	81.84M	77.001M	81.36M	77.121M
5610MHz	Pass	Inf	81.6M	77.001M	81.24M	77.241M	81.48M	77.121M	81.36M	77.001M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.24M	77.481M	82.2M	77.241M	81.12M	78.441M	81.24M	77.601M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.2M	77.721M	82.2M	77.481M	82.56M	77.721M	82.08M	77.601M
5570MHz	Pass	Inf	162.24M	154.723M	161.28M	154.963M	164.4M	154.483M	162.96M	154.963M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

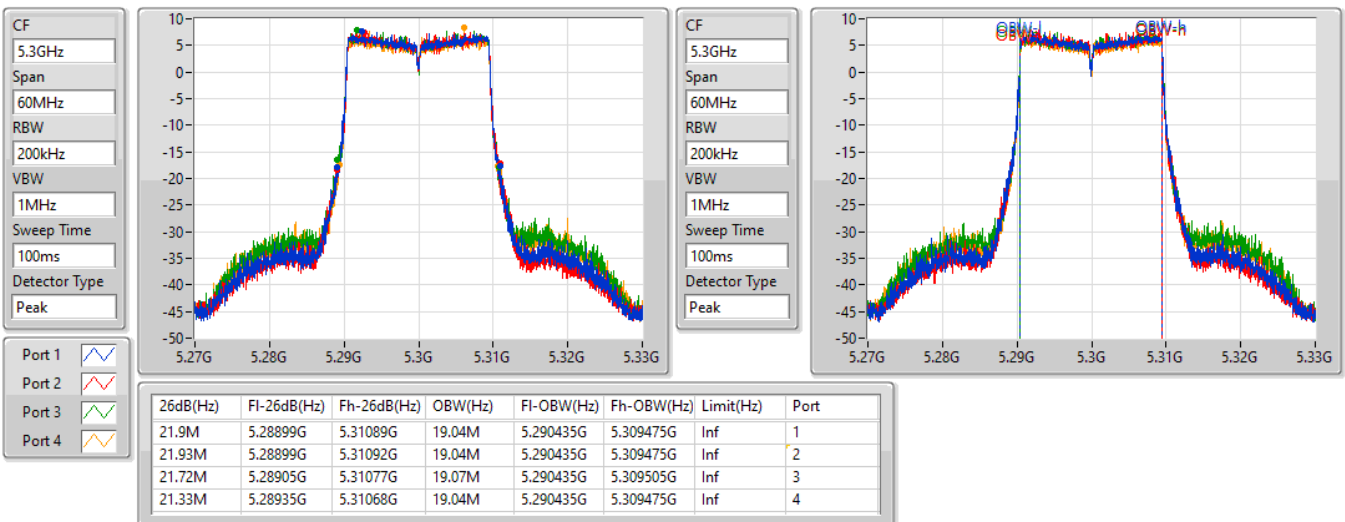
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5260MHz

05/05/2021

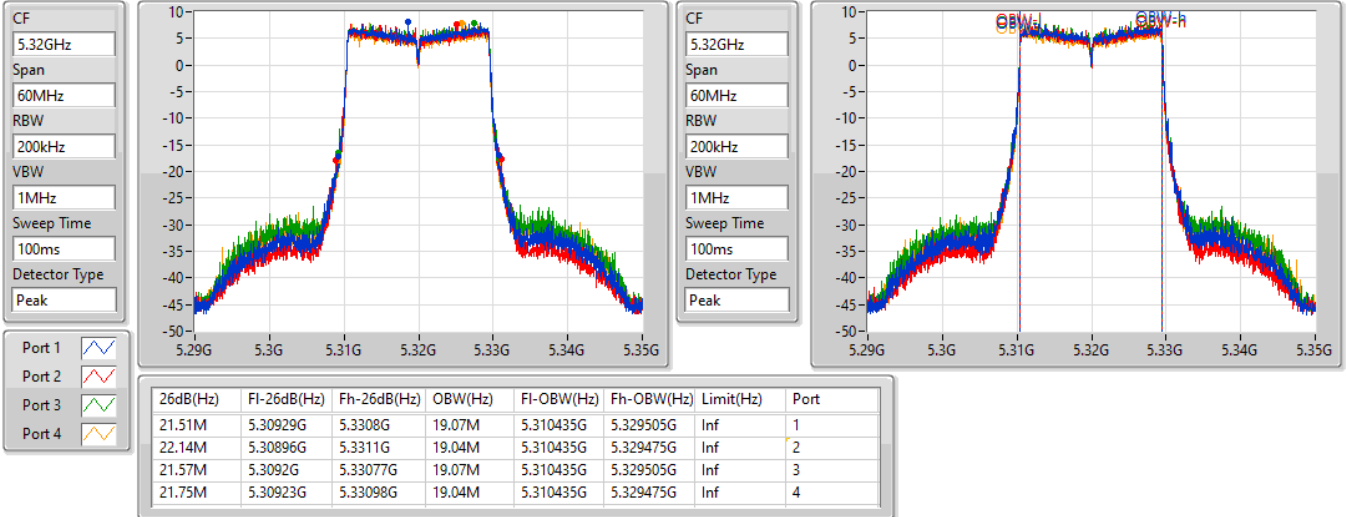

802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5300MHz

05/05/2021

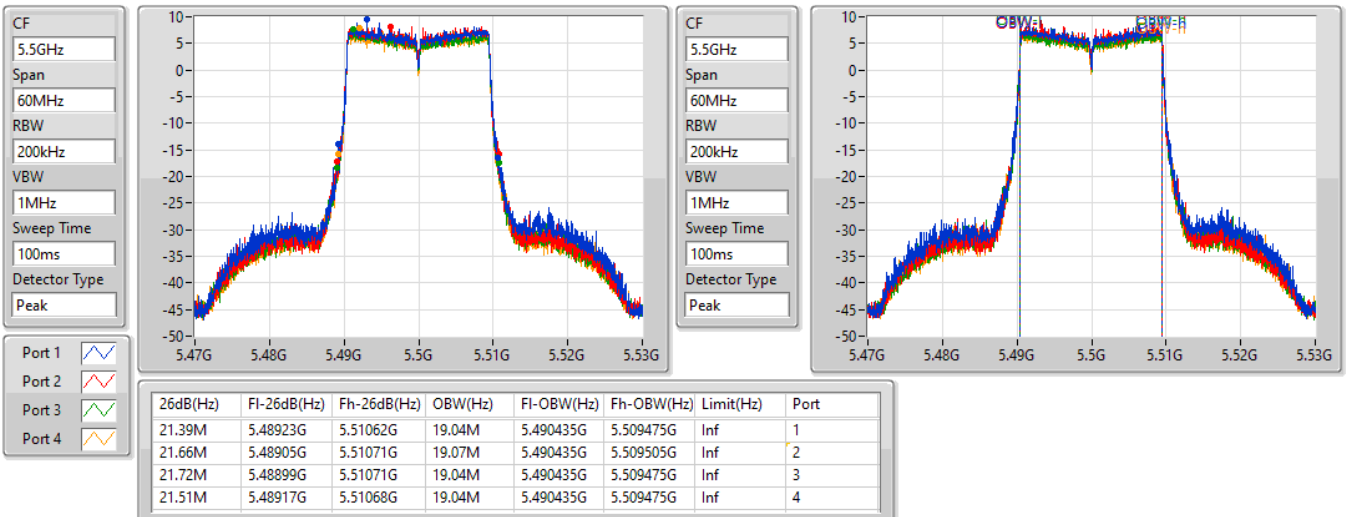


802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5320MHz

05/05/2021

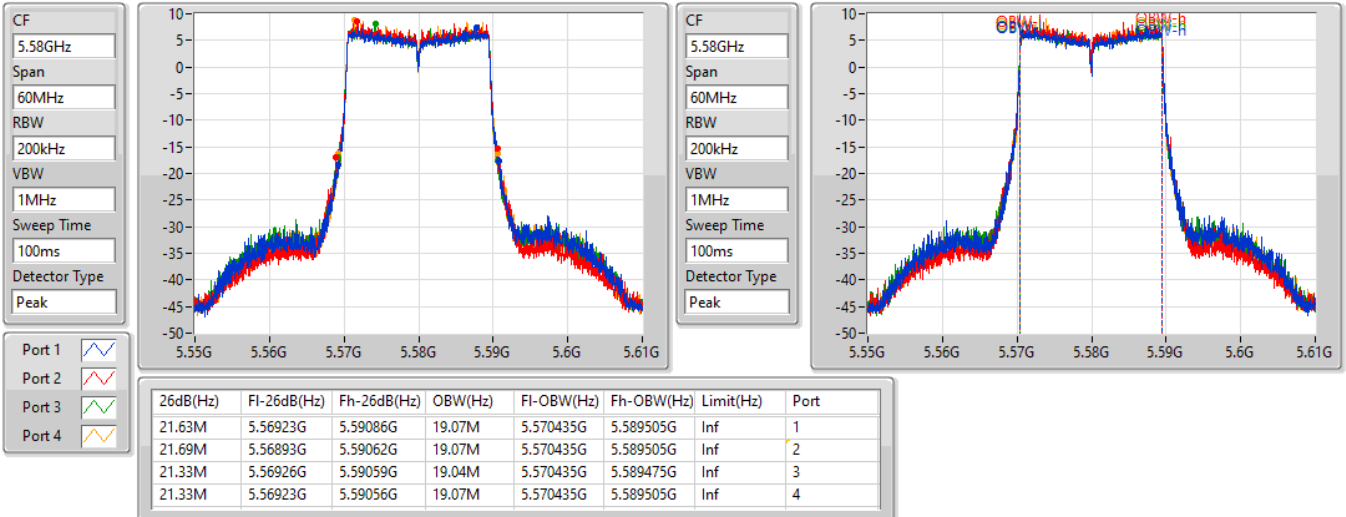

802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5500MHz

05/05/2021

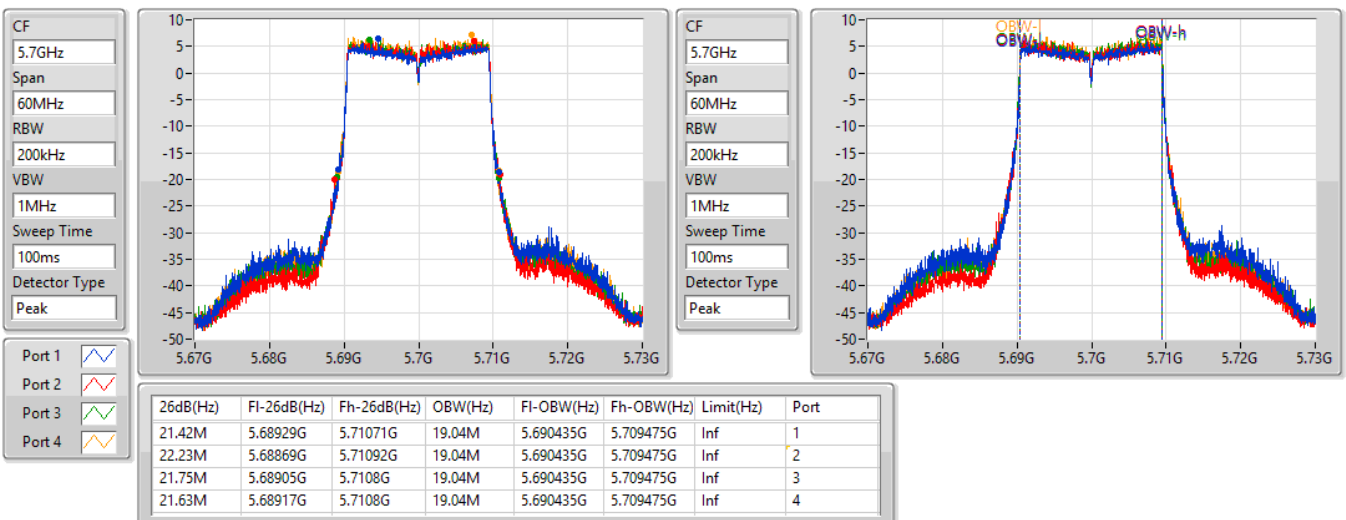


802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5580MHz

05/05/2021

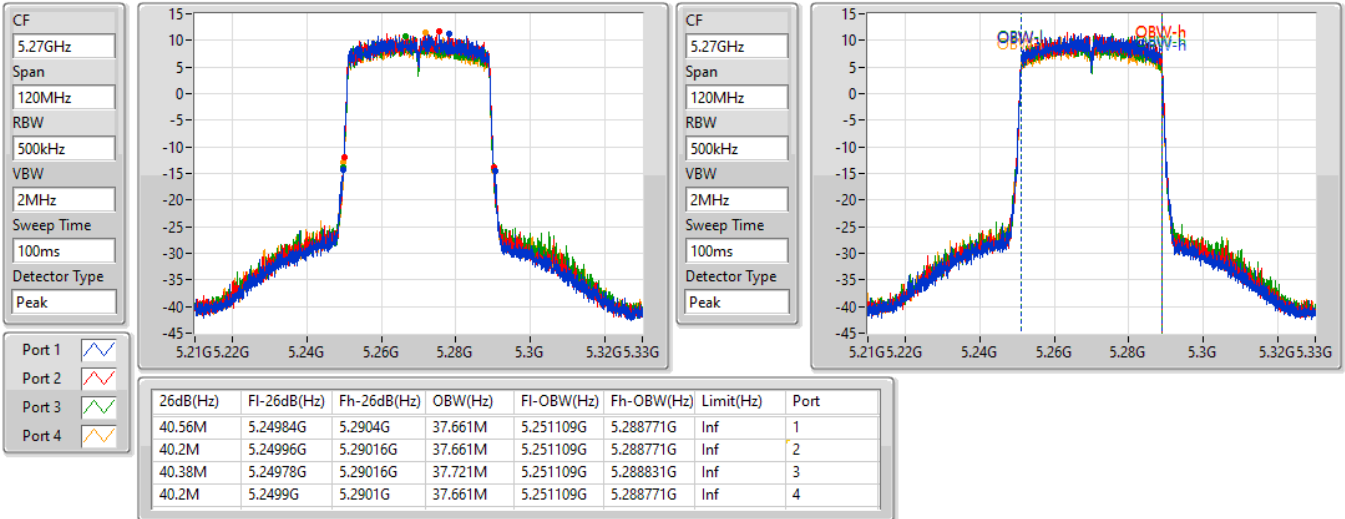

802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5700MHz

06/05/2021

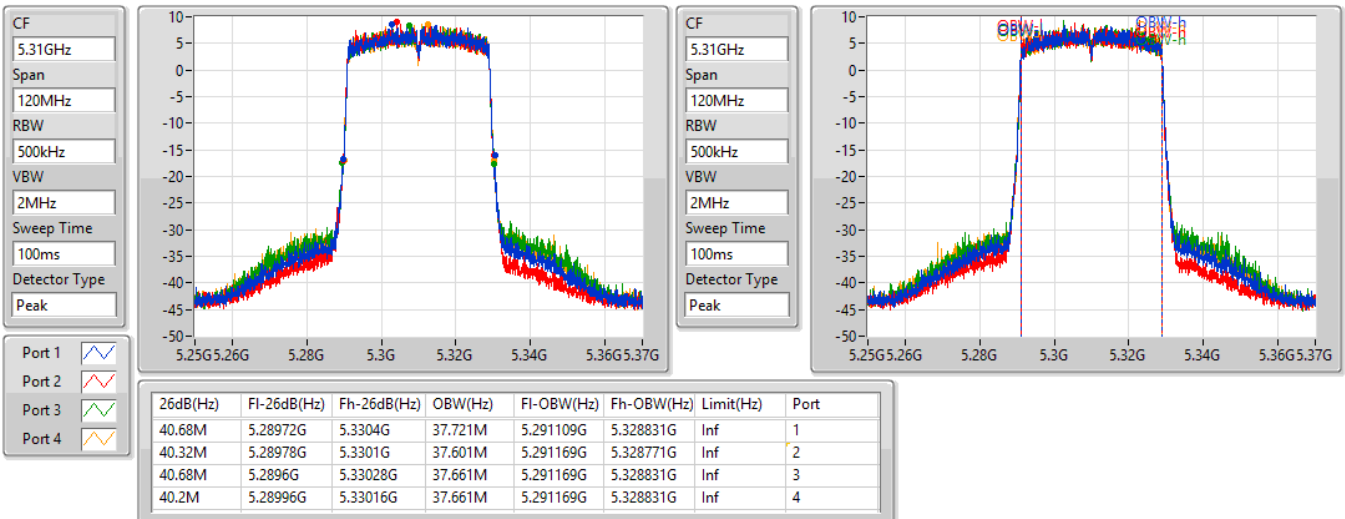


802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5270MHz

05/05/2021


802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5310MHz

06/05/2021

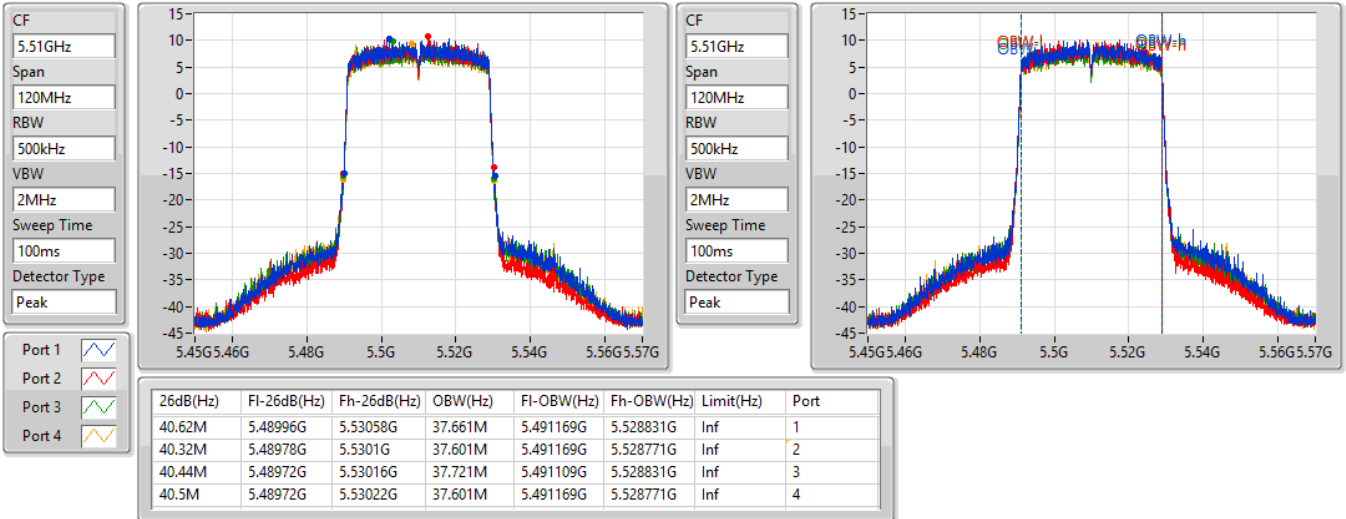


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

5510MHz

06/05/2021

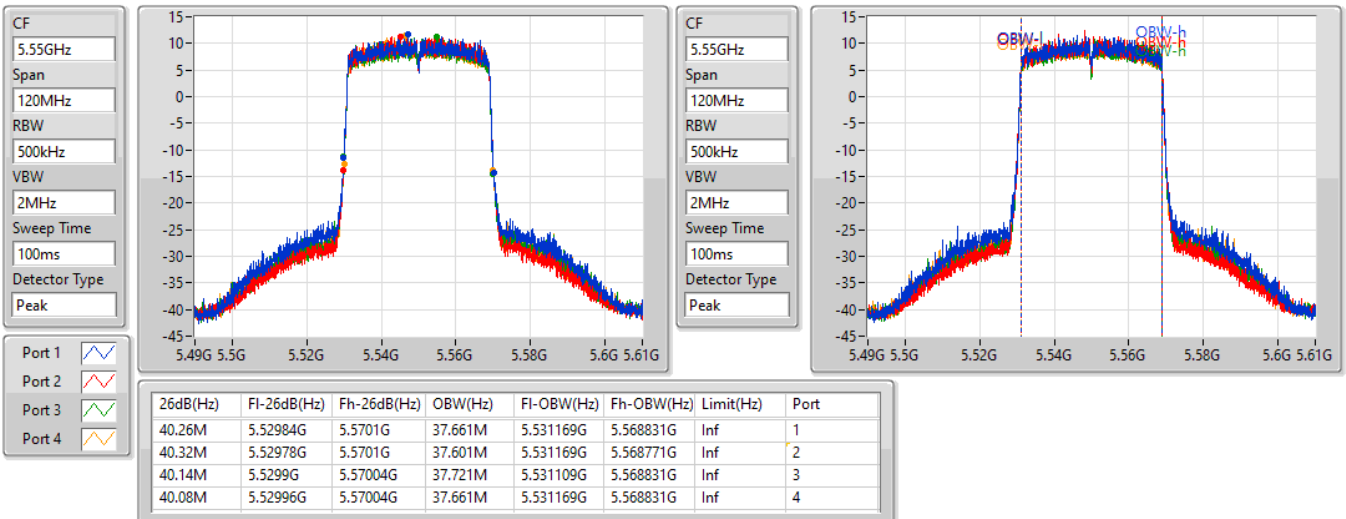


802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

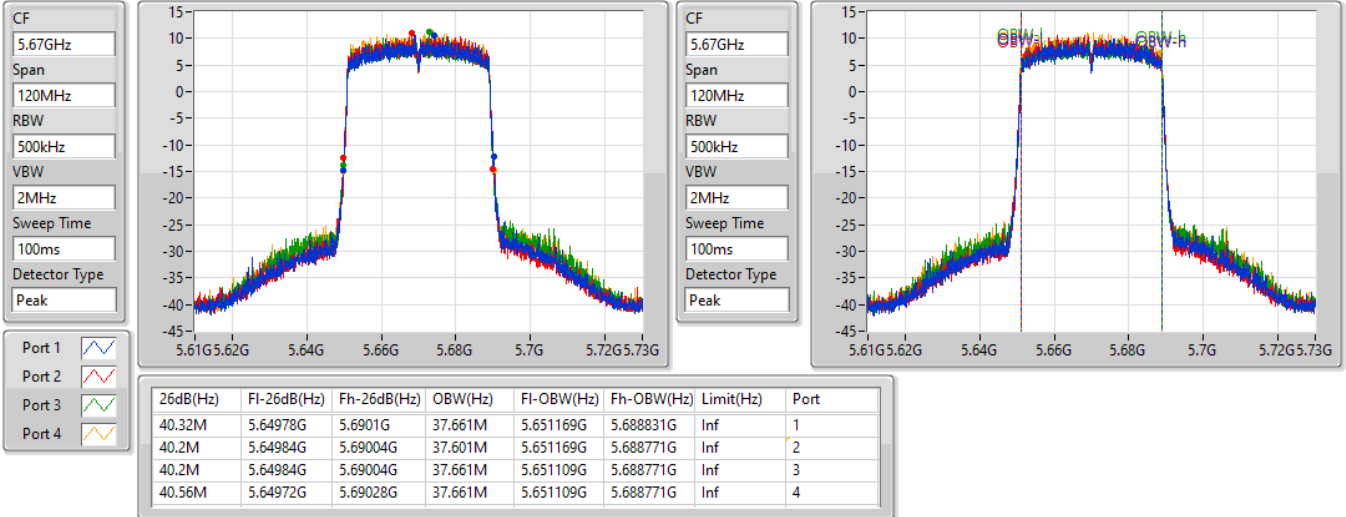
5550MHz

05/05/2021

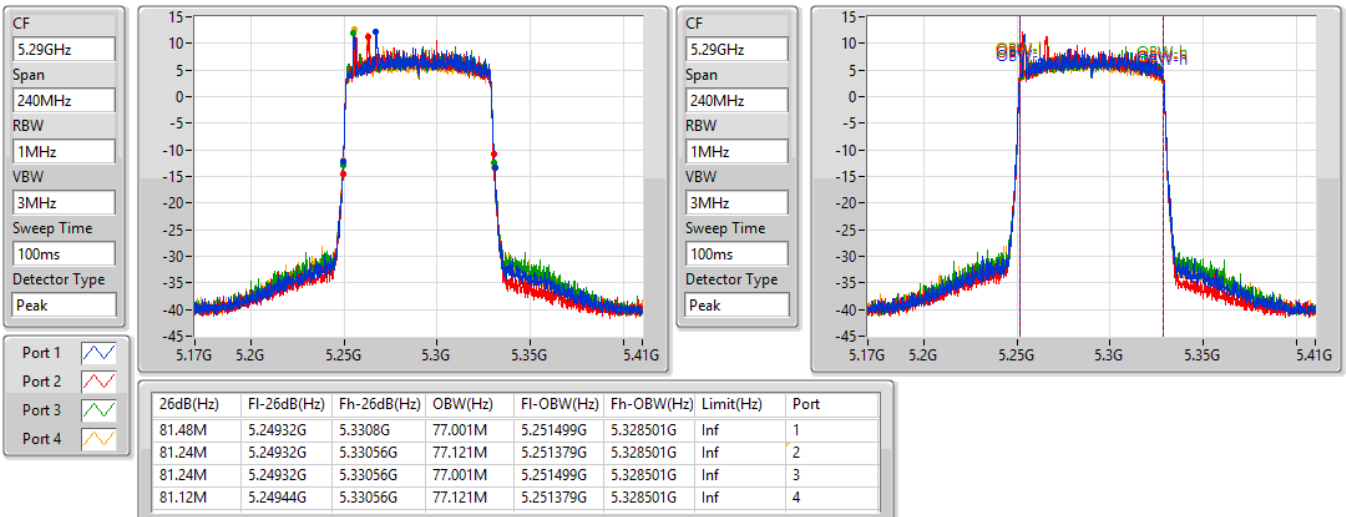


802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5670MHz

05/05/2021

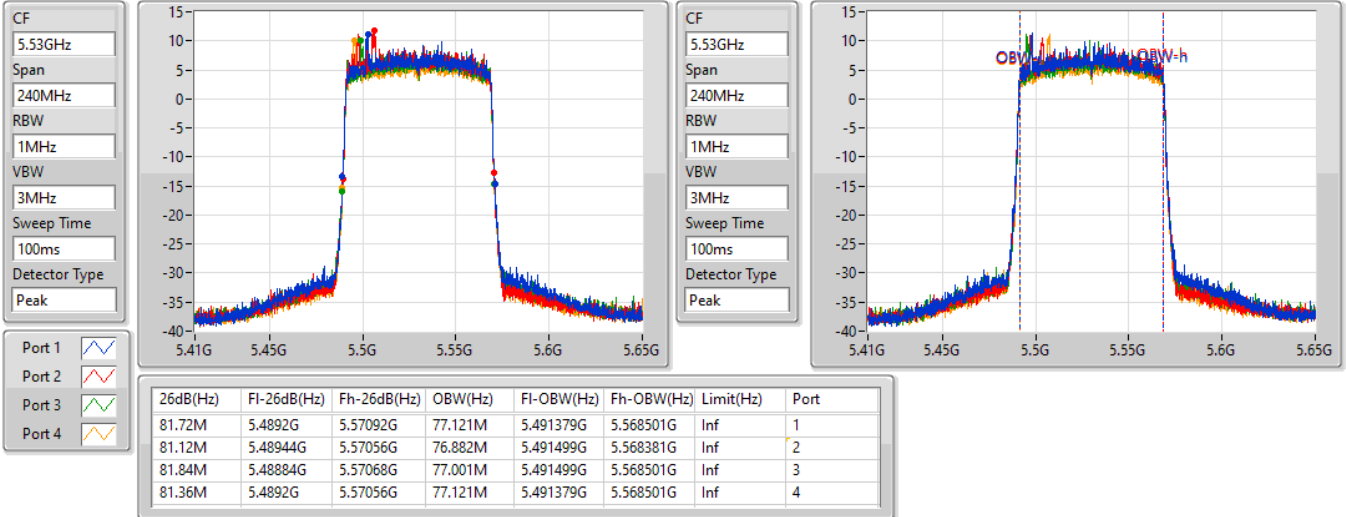

802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
5290MHz

06/05/2021

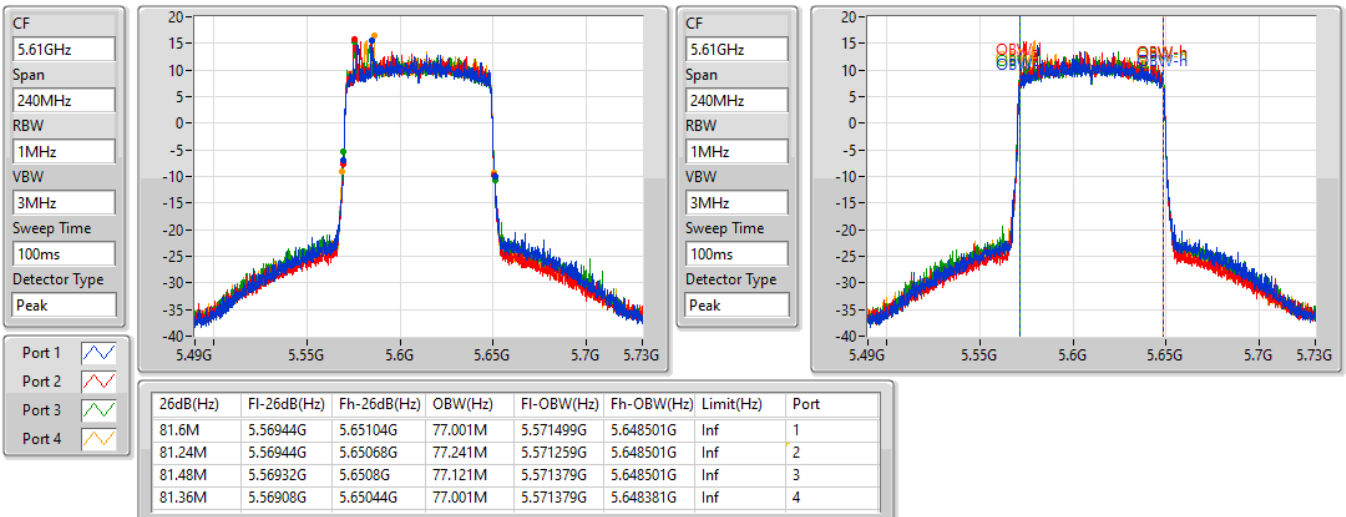


802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
5530MHz

05/05/2021

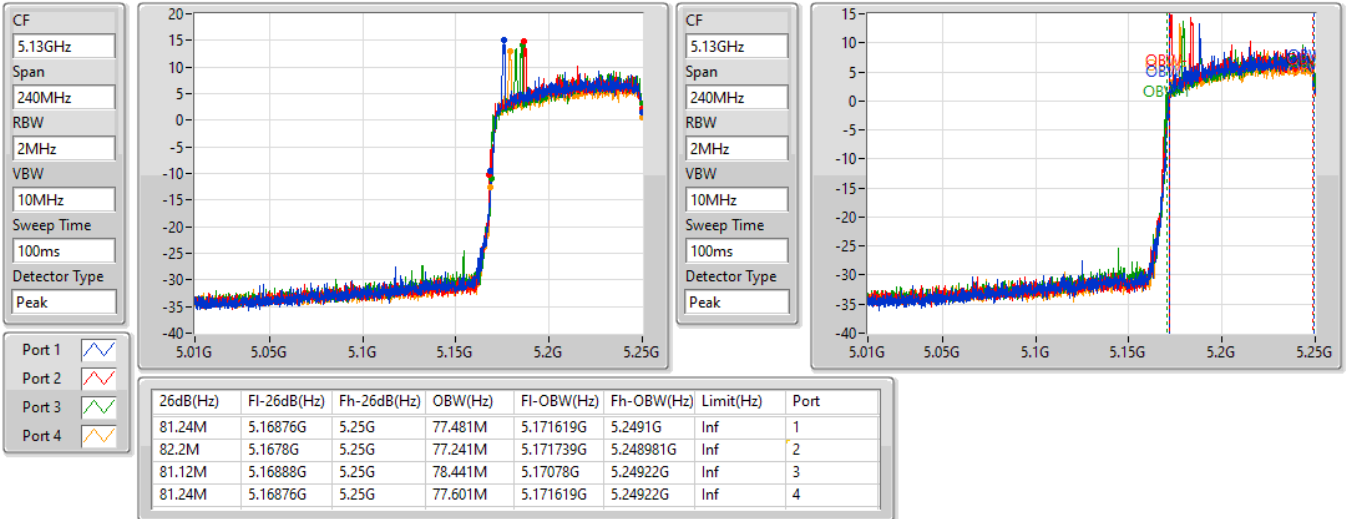

802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
5610MHz

05/05/2021

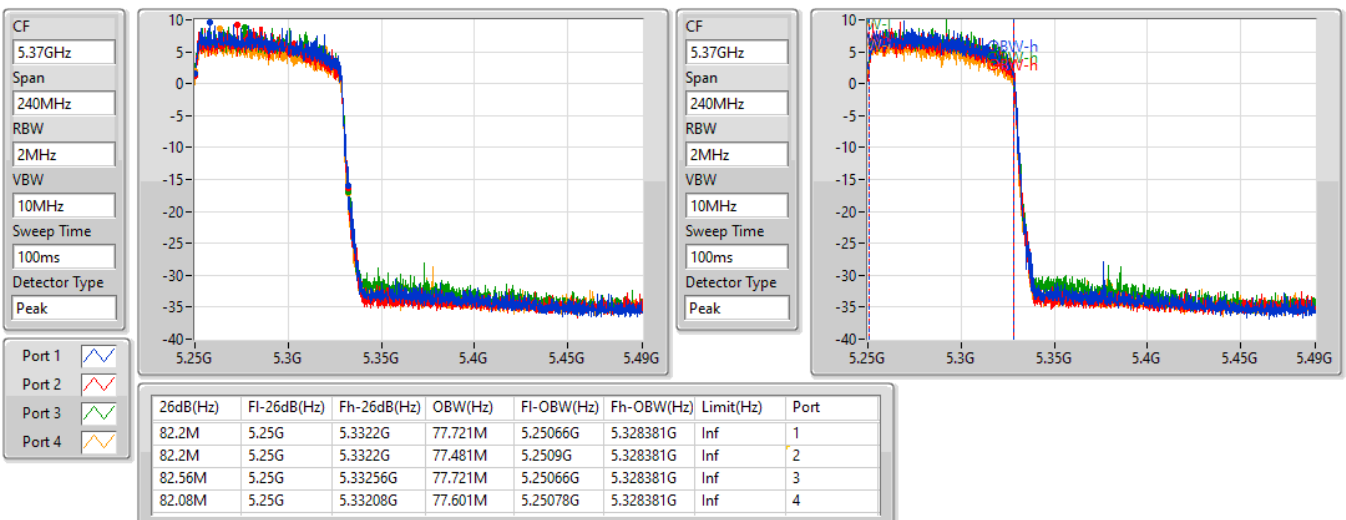


802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

05/05/2021


802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

05/05/2021

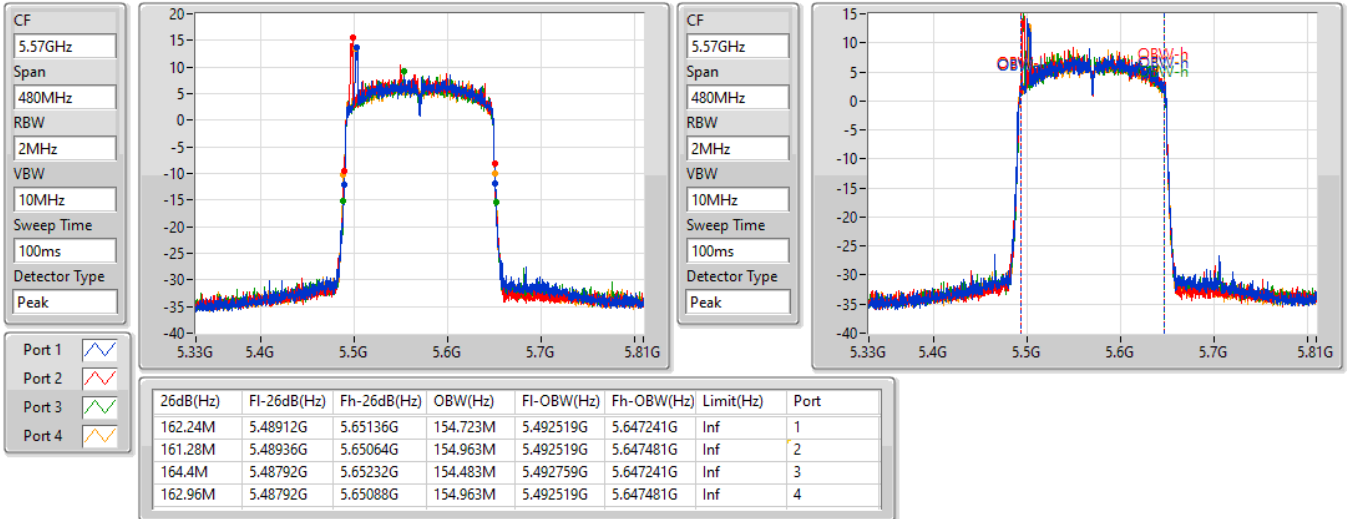


802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

5570MHz

05/05/2021



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.42	0.05521
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.21	0.20941
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.86	0.19320
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.87	0.19364
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.68	0.14723
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.46	0.05572
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	22.75	0.18836
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.21	0.20941
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.11	0.20464
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.71	0.18664
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.89	0.12274

Result

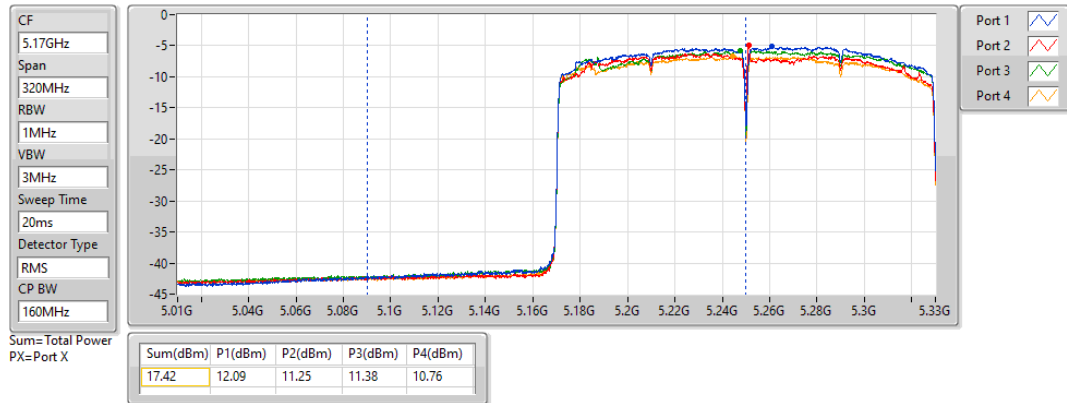
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.07	17.33	17.24	17.49	16.07	23.09	23.87
5300MHz	Pass	2.07	17.65	16.77	17.38	16.78	23.18	23.87
5320MHz	Pass	2.07	17.30	16.73	17.38	17.31	23.21	23.85
5500MHz	Pass	3.38	17.34	16.58	16.36	16.15	22.65	23.87
5580MHz	Pass	3.38	17.15	16.44	16.70	16.61	22.75	23.85
5700MHz	Pass	3.38	16.31	16.32	16.24	16.59	22.39	23.89
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.38	17.09	16.66	16.51	16.96	22.83	23.60
5300MHz	Pass	6.38	17.23	16.53	16.38	17.06	22.84	23.60
5320MHz	Pass	6.38	17.64	16.49	16.45	16.65	22.86	23.60
5500MHz	Pass	6.75	17.93	16.74	16.90	17.08	23.21	23.23
5580MHz	Pass	6.75	17.46	16.55	16.68	17.07	22.98	23.23
5700MHz	Pass	6.75	15.83	15.25	15.34	16.10	21.66	23.23
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.38	17.29	16.64	16.52	16.89	22.87	23.60
5310MHz	Pass	6.38	16.12	15.41	15.55	16.03	21.81	23.60
5510MHz	Pass	6.75	16.51	15.74	15.83	15.96	22.04	23.23
5550MHz	Pass	6.75	17.45	17.04	16.95	16.91	23.11	23.23
5670MHz	Pass	6.75	16.90	16.63	16.34	17.17	22.79	23.23
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.38	16.02	15.39	15.51	15.69	21.68	23.60
5530MHz	Pass	6.75	16.07	15.19	14.62	14.65	21.19	23.23
5610MHz	Pass	6.75	16.80	16.32	16.57	17.02	22.71	23.23
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.02	12.09	11.25	11.38	10.76	17.42	29.98
5250MHz Straddle 5.25-5.35GHz	Pass	6.38	12.41	10.69	11.76	10.62	17.46	23.60
5570MHz	Pass	6.75	15.48	14.77	14.79	14.37	20.89	23.23

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

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

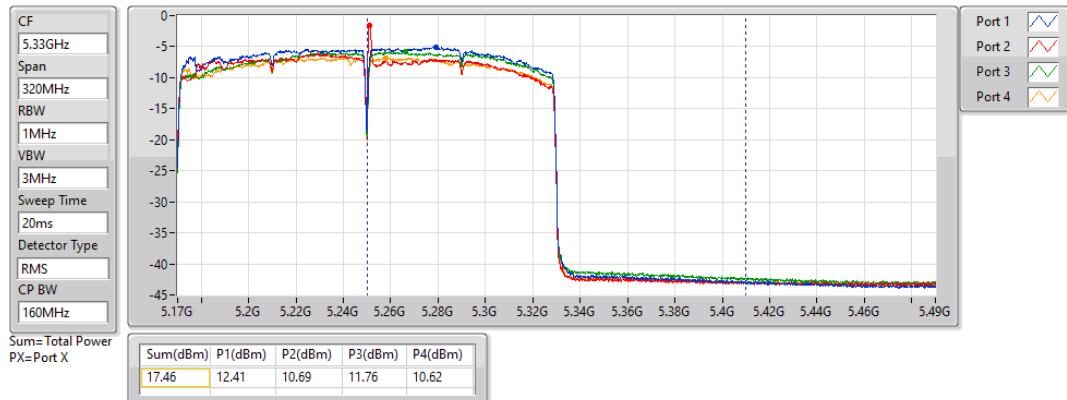
5250MHz Straddle 5.15-5.25GHz



802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss4,(MCS0)_4TX	16.14	0.04111
5.25-5.35GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.28	0.21281
802.11ax HEW40_Nss4,(MCS0)_4TX	23.14	0.20606
802.11ax HEW80_Nss4,(MCS0)_4TX	21.62	0.14521
802.11ax HEW160_Nss4,(MCS0)_4TX	16.80	0.04786
5.47-5.725GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.37	0.21727
802.11ax HEW40_Nss4,(MCS0)_4TX	23.91	0.24604
802.11ax HEW80_Nss4,(MCS0)_4TX	23.91	0.24604
802.11ax HEW160_Nss4,(MCS0)_4TX	20.14	0.10328

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	0.93	17.46	17.42	17.25	16.87	23.28	23.98
5300MHz	Pass	0.93	16.99	16.89	16.97	16.16	22.79	23.98
5320MHz	Pass	0.93	17.24	16.56	17.31	16.40	22.92	23.98
5500MHz	Pass	0.96	17.71	17.83	17.02	16.75	23.37	23.98
5580MHz	Pass	0.96	16.84	17.16	16.89	16.96	22.98	23.98
5700MHz	Pass	0.96	15.84	16.23	16.29	16.72	22.30	23.98
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	0.93	17.52	17.20	17.09	16.62	23.14	23.98
5310MHz	Pass	0.93	15.64	15.54	15.61	15.32	21.55	23.98
5510MHz	Pass	0.96	17.28	17.19	16.68	16.27	22.89	23.98
5550MHz	Pass	0.96	17.73	17.64	17.32	17.24	23.51	23.98
5670MHz	Pass	0.96	17.87	18.19	17.55	17.91	23.91	23.98
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	0.93	15.80	15.71	15.59	15.29	21.62	23.98
5530MHz	Pass	0.96	15.05	15.12	14.54	14.01	20.72	23.98
5610MHz	Pass	0.96	18.25	18.00	17.78	17.50	23.91	23.98
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	0.62	10.35	10.43	9.84	9.84	16.14	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	0.93	11.64	11.04	10.26	9.97	16.80	23.98
5570MHz	Pass	0.96	14.14	14.51	13.88	13.91	20.14	23.98

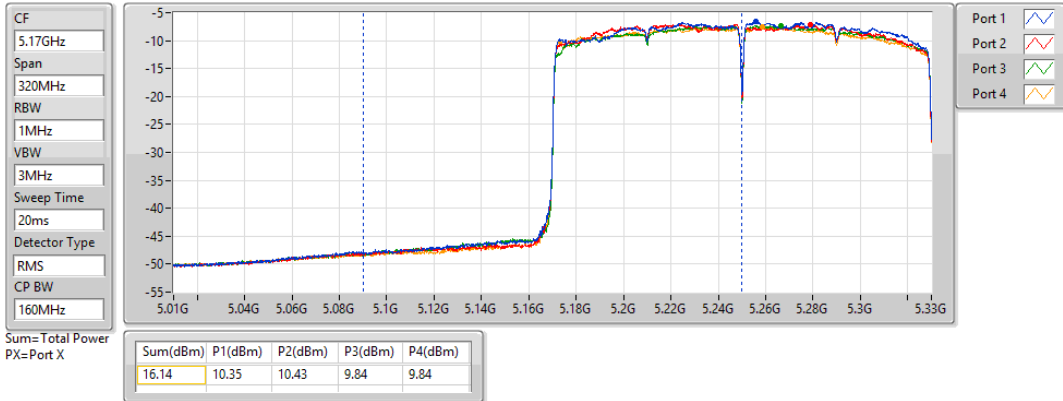
DG = Directional Gain; **Port X** = Port X output power

802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

06/05/2021

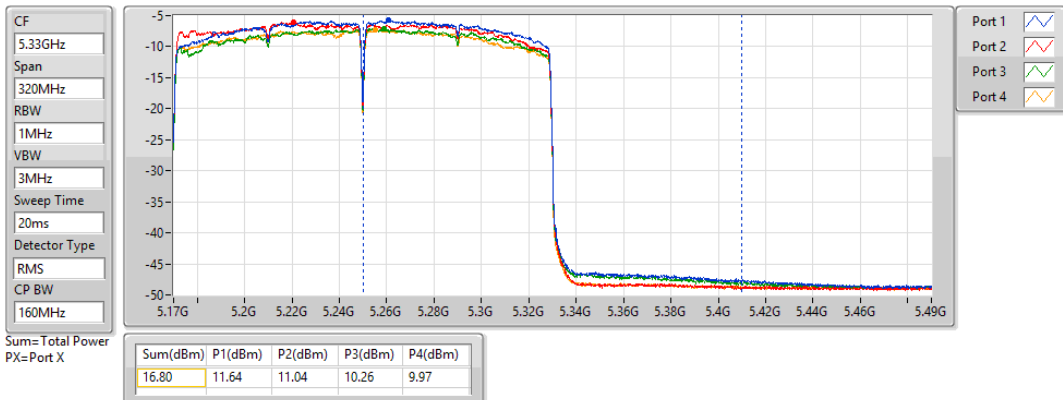


802.11ax HEW160_Nss4,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

06/05/2021



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-1.64
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.60
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.37
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.21
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	2.12
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-1.12
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.15
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.07
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.45
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.08
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-1.50

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.38	5.36	4.65	4.22	4.12	10.50	10.62
5300MHz	Pass	6.38	5.08	4.11	4.84	4.66	10.60	10.62
5320MHz	Pass	6.38	4.70	3.93	4.90	4.89	10.53	10.62
5500MHz	Pass	6.75	4.88	3.78	3.68	3.49	9.89	10.25
5580MHz	Pass	6.75	4.88	3.92	4.02	4.17	10.15	10.25
5700MHz	Pass	6.75	3.80	3.82	3.55	4.29	9.76	10.25
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.38	4.44	3.43	2.98	3.50	9.37	10.62
5300MHz	Pass	6.38	4.07	2.81	2.99	3.84	9.36	10.62
5320MHz	Pass	6.38	4.21	2.66	2.81	3.21	9.13	10.62
5500MHz	Pass	6.75	5.23	3.61	3.64	4.12	10.07	10.25
5580MHz	Pass	6.75	4.40	3.19	3.31	3.99	9.62	10.25
5700MHz	Pass	6.75	2.68	1.95	2.02	2.91	8.27	10.25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.38	1.67	-0.34	-0.32	0.24	6.21	10.62
5310MHz	Pass	6.38	0.49	-1.55	-1.53	-0.57	5.09	10.62
5510MHz	Pass	6.75	0.62	-1.19	-0.90	-0.57	5.41	10.25
5550MHz	Pass	6.75	1.28	0.43	0.46	0.51	6.45	10.25
5670MHz	Pass	6.75	0.50	0.13	-0.37	0.40	6.04	10.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.38	-3.36	-4.08	-3.86	-3.68	2.12	10.62
5530MHz	Pass	6.75	-3.45	-4.27	-4.37	-4.91	1.66	10.25
5610MHz	Pass	6.75	-2.59	-3.40	-2.94	-2.50	3.08	10.25
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.02	-6.86	-7.83	-7.29	-8.19	-1.64	16.98
5250MHz Straddle 5.25-5.35GHz	Pass	6.38	-6.64	-3.43	-7.25	-8.34	-1.12	10.62
5570MHz	Pass	6.75	-6.78	-7.49	-7.43	-7.76	-1.50	10.25

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

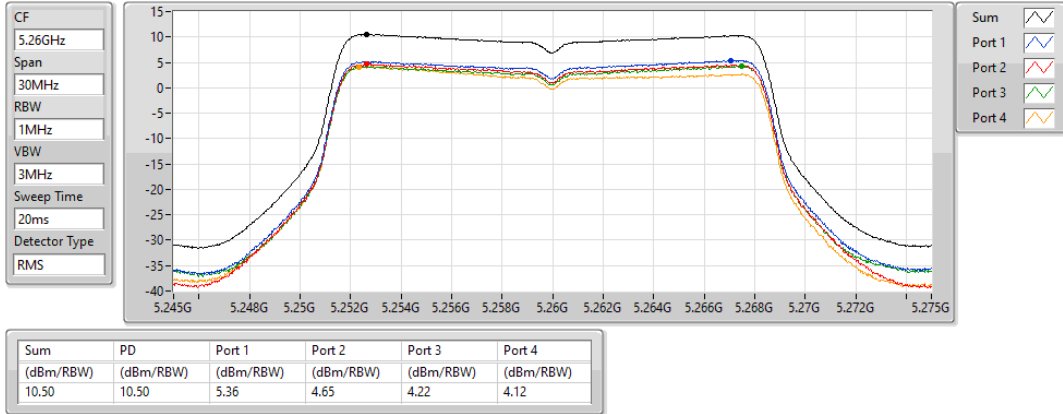
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX

5260MHz

PSD

27/04/2021

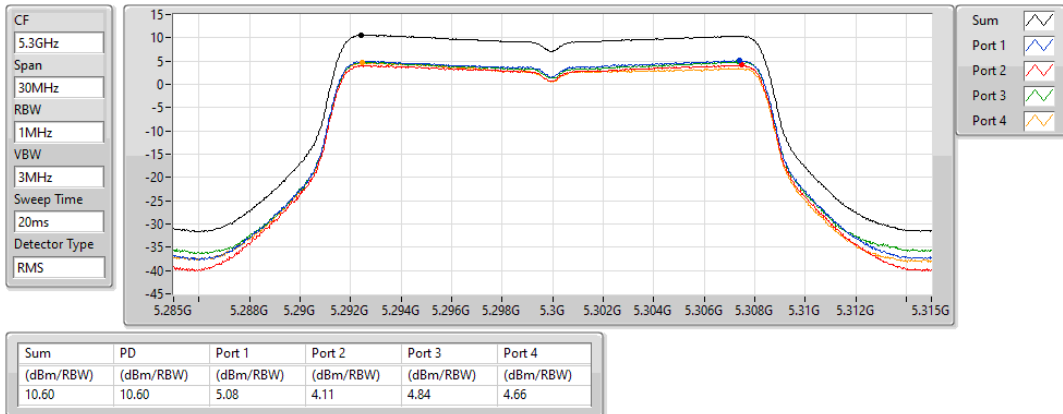


802.11a_Nss1,(6Mbps)_4TX

5300MHz

PSD

27/04/2021

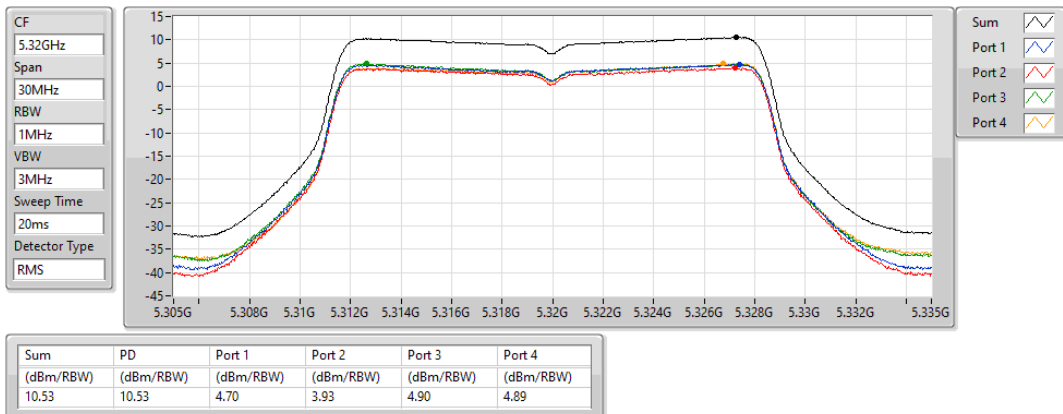


802.11a_Nss1,(6Mbps)_4TX

5320MHz

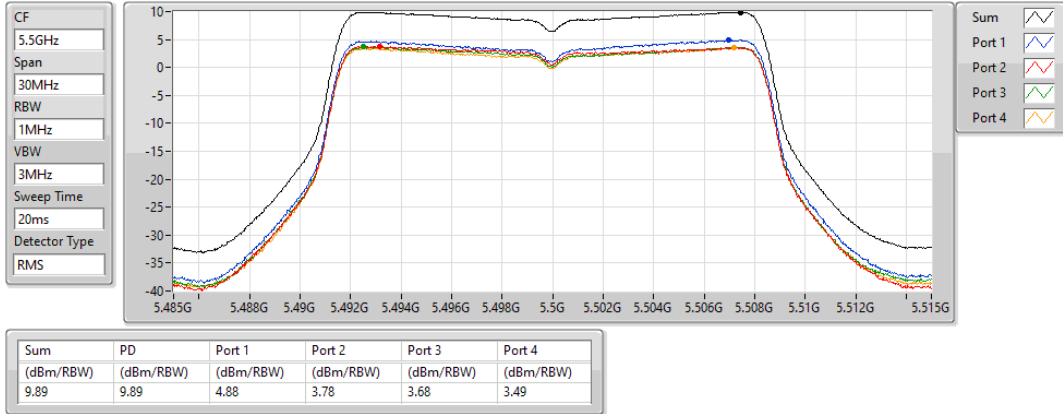
PSD

27/04/2021



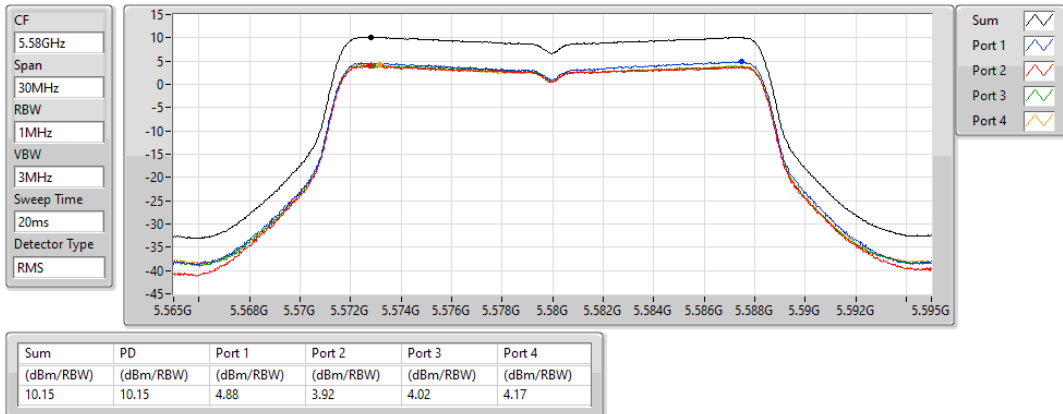
802.11a_Nss1,(6Mbps)_4TX

5500MHz



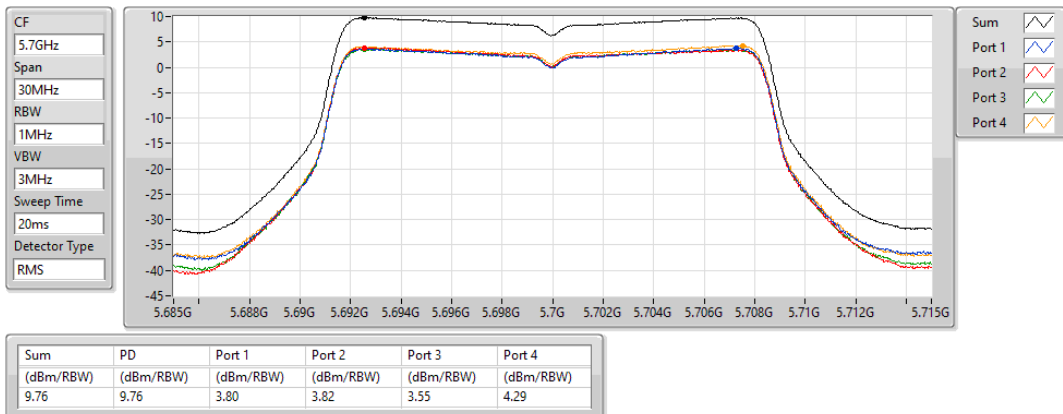
802.11a_Nss1,(6Mbps)_4TX

5580MHz



802.11a_Nss1,(6Mbps)_4TX

5700MHz

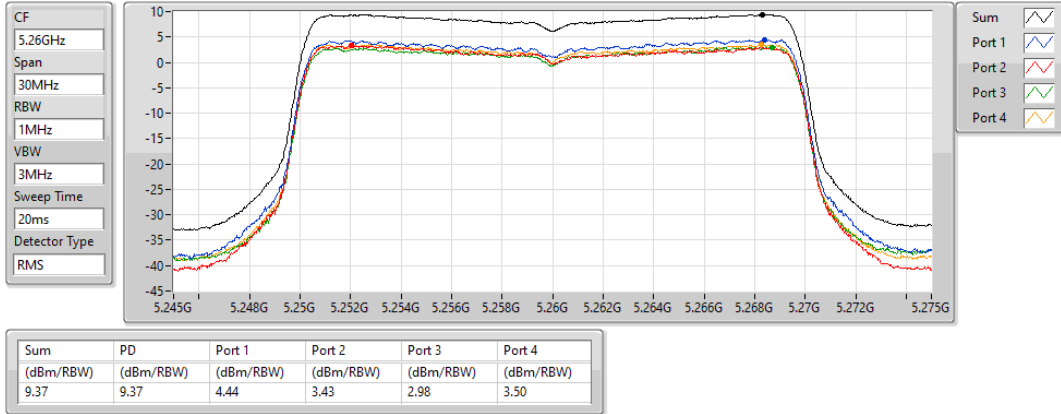


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

28/04/2021

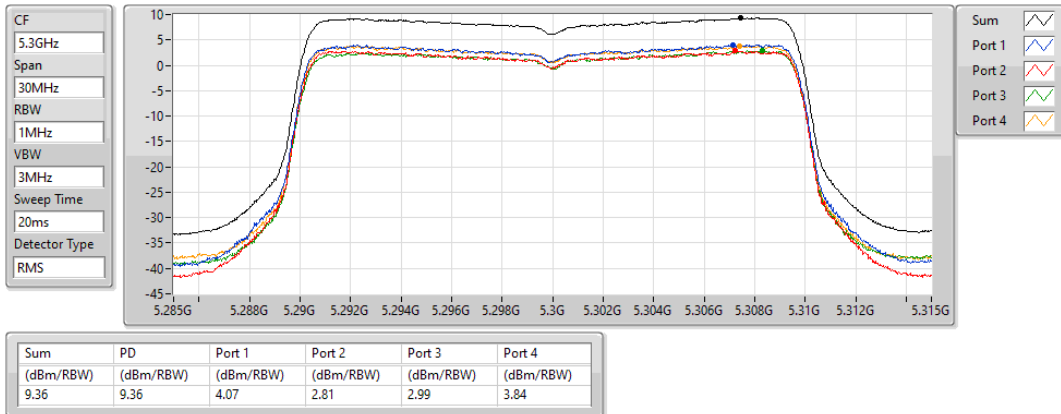


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

28/04/2021

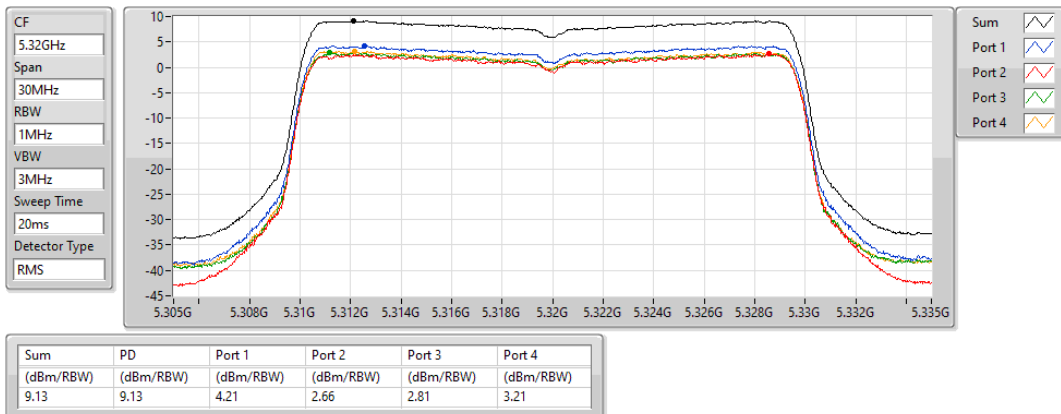


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

28/04/2021

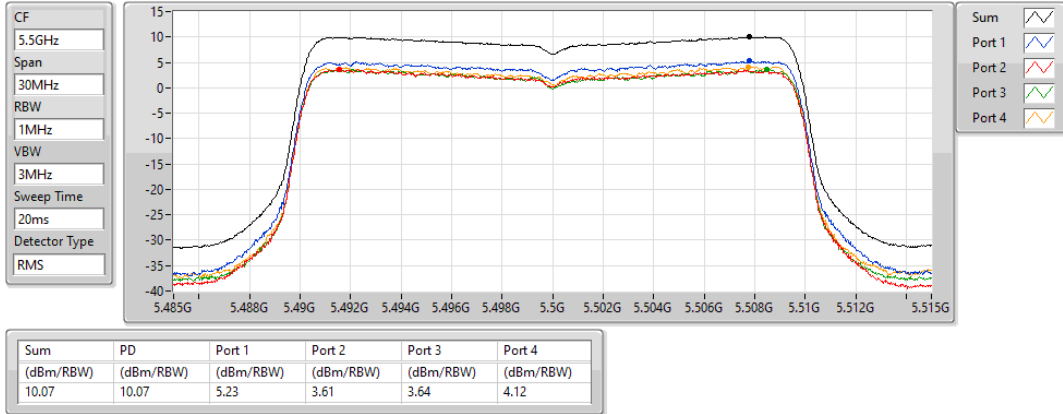


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5500MHz

PSD

28/04/2021

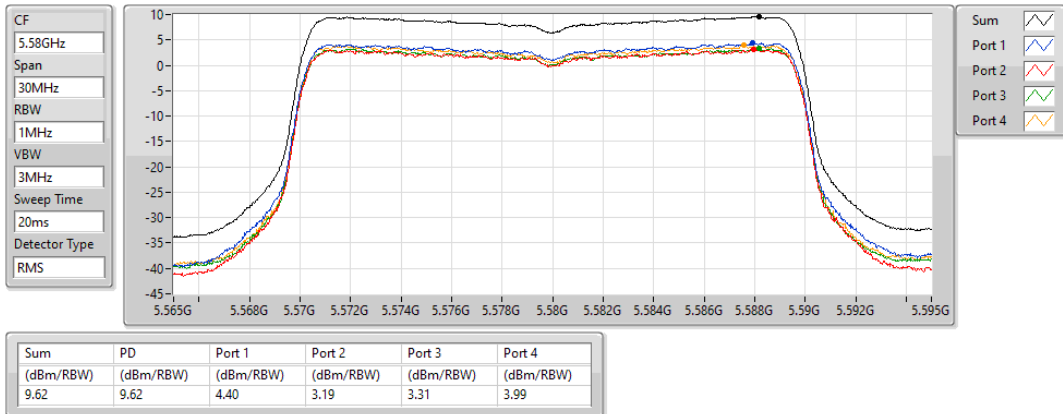


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5580MHz

PSD

28/04/2021

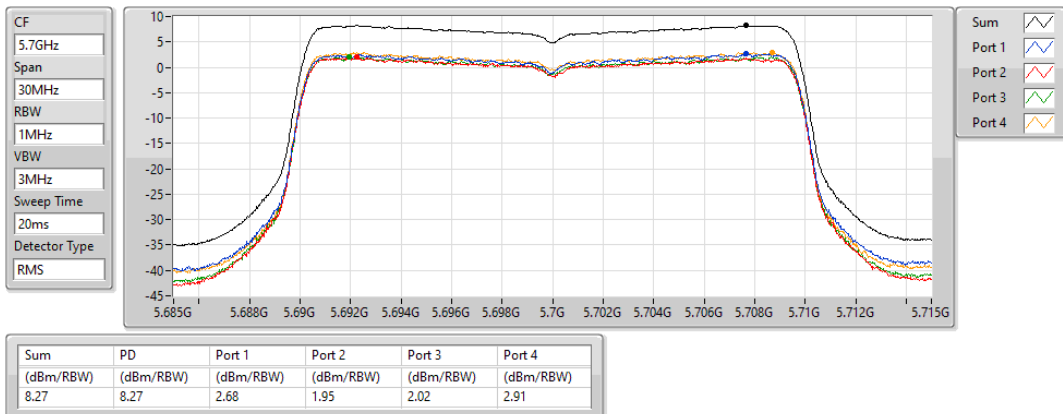


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5700MHz

PSD

28/04/2021

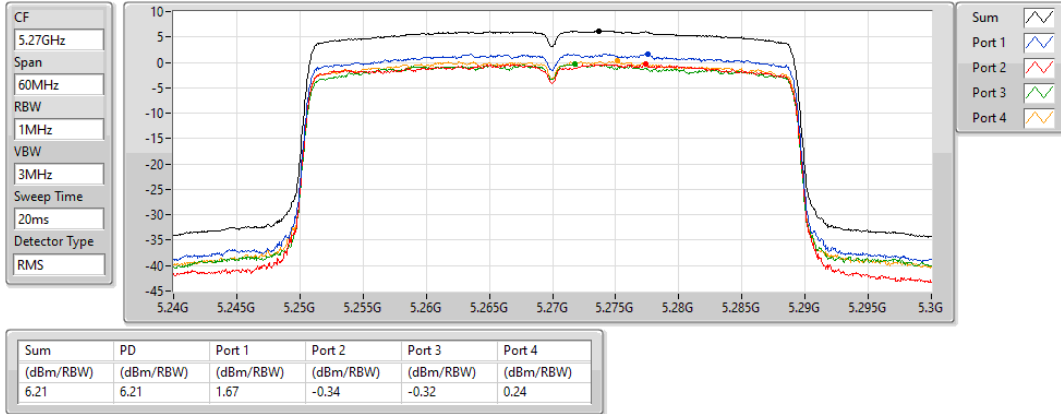


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

28/04/2021

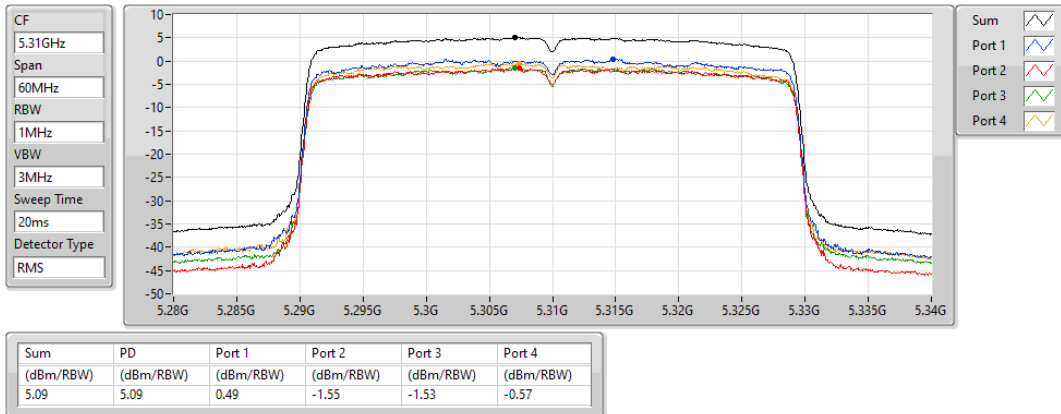


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

28/04/2021

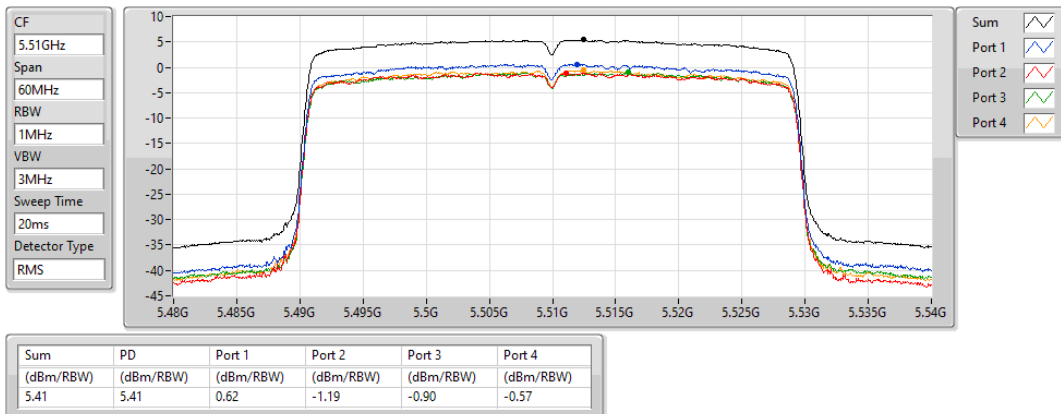


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

28/04/2021

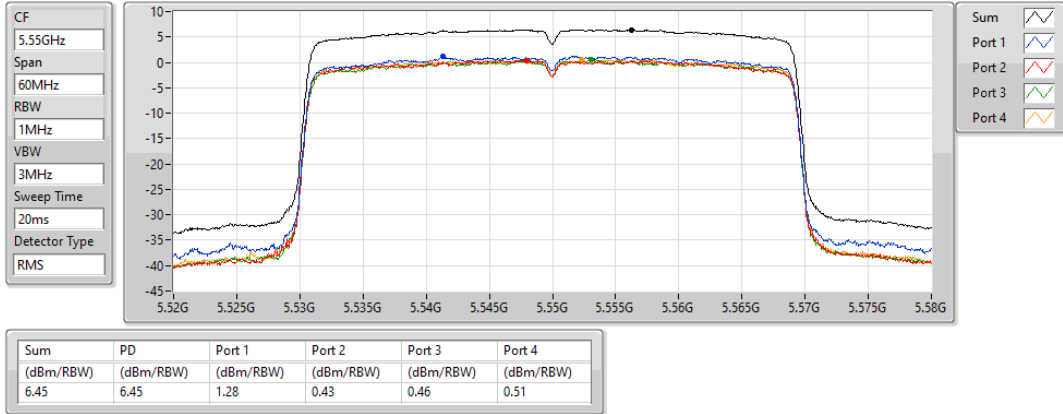


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

28/04/2021

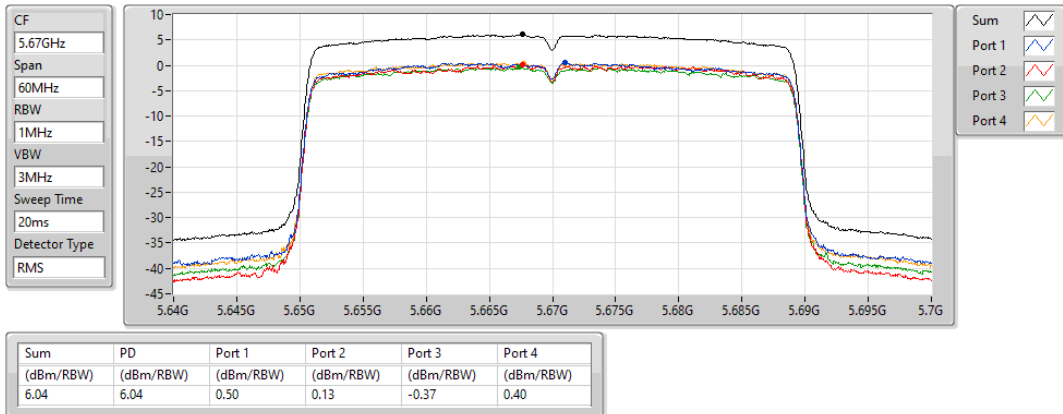


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

28/04/2021

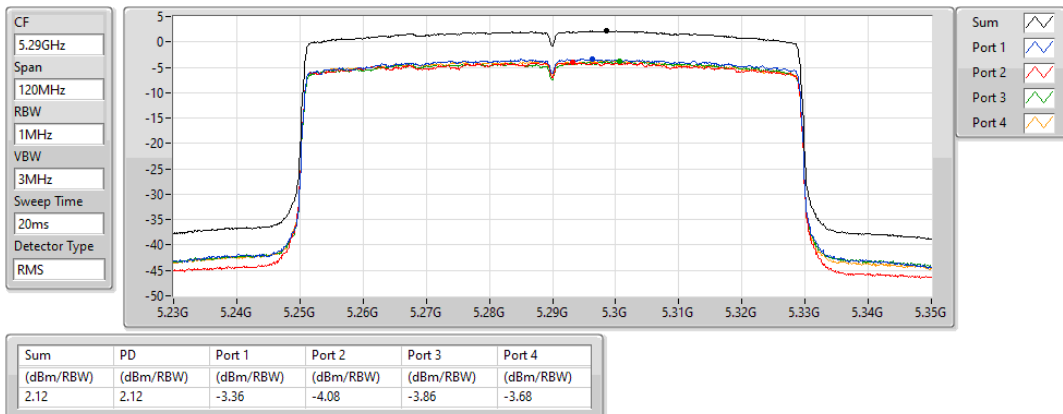


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

28/04/2021

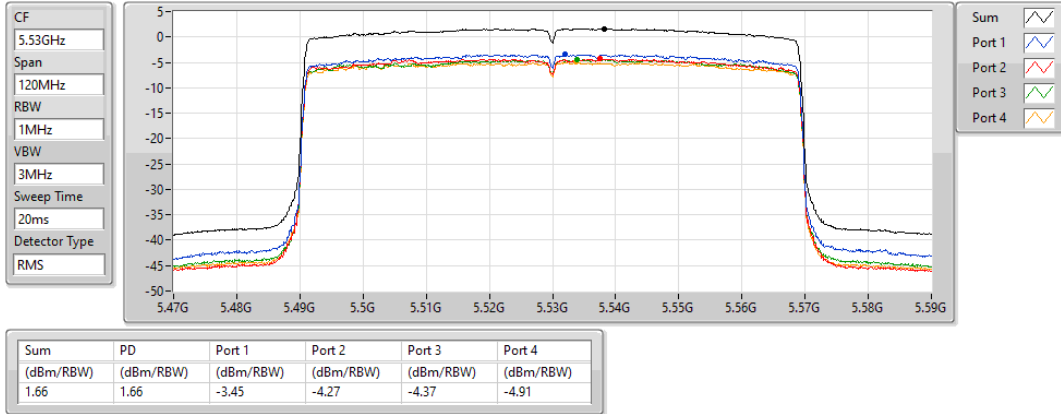


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

30/04/2021

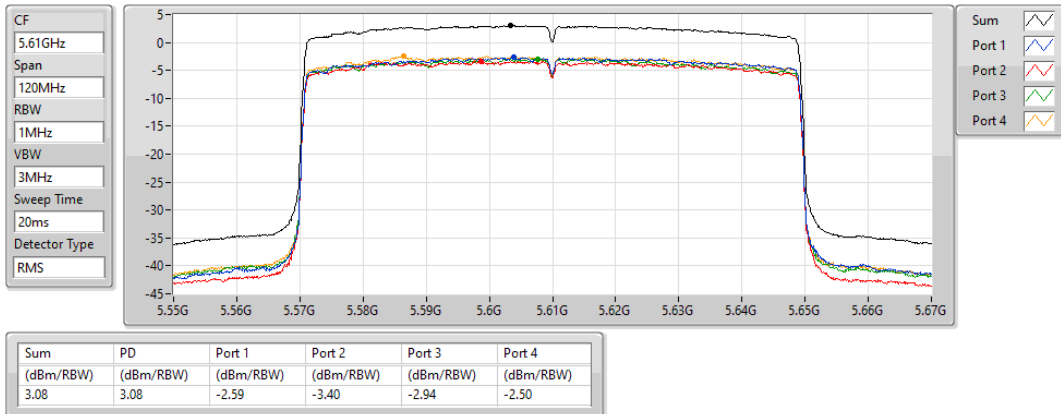


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

28/04/2021

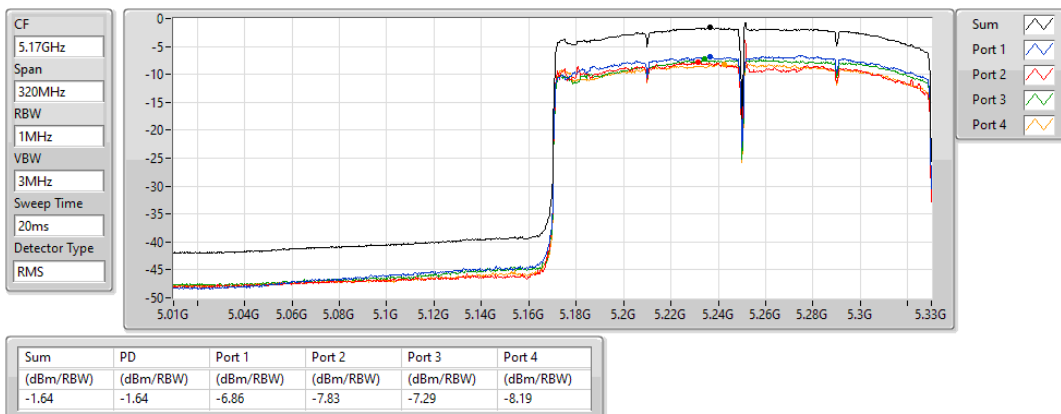


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

30/04/2021

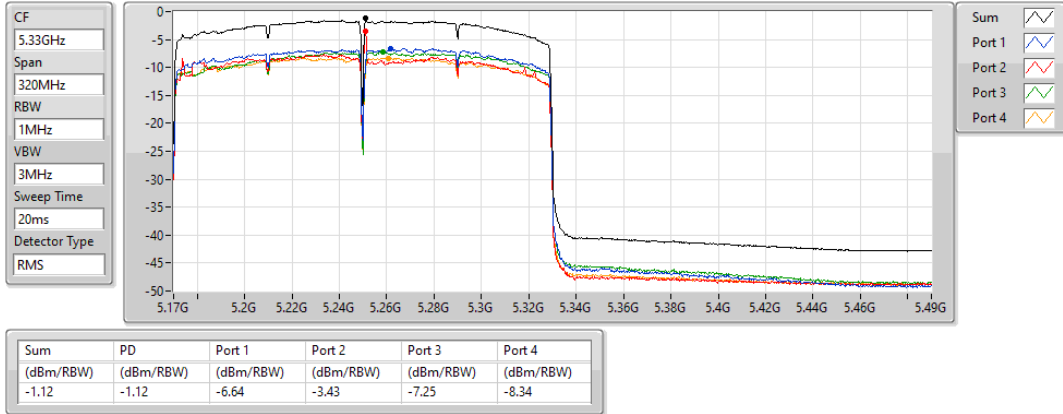


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

30/04/2021

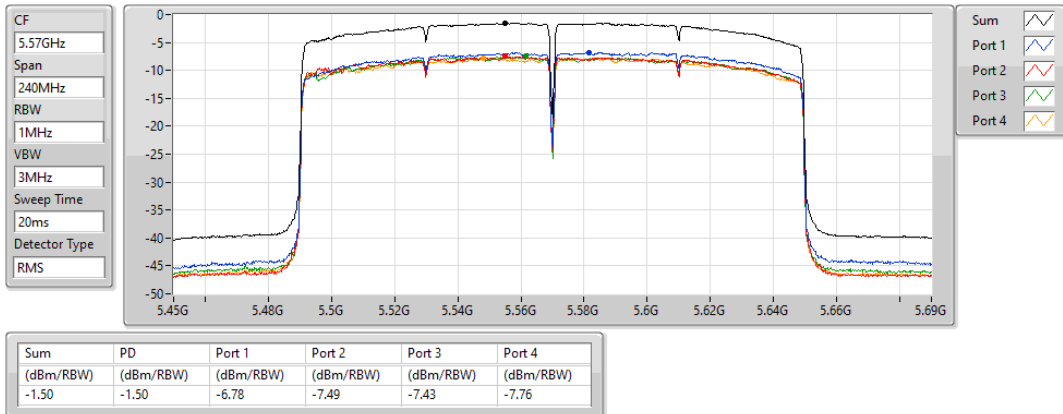


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

30/04/2021



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW160_Nss4,(MCS0)_4TX	-3.01
5.25-5.35GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	10.96
802.11ax HEW40_Nss4,(MCS0)_4TX	7.86
802.11ax HEW80_Nss4,(MCS0)_4TX	2.07
802.11ax HEW160_Nss4,(MCS0)_4TX	-2.52
5.47-5.725GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	10.91
802.11ax HEW40_Nss4,(MCS0)_4TX	8.41
802.11ax HEW80_Nss4,(MCS0)_4TX	5.16
802.11ax HEW160_Nss4,(MCS0)_4TX	-2.95

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	0.93	5.52	5.27	5.04	4.60	10.96	11.00
5300MHz	Pass	0.93	4.68	4.65	4.74	4.24	10.38	11.00
5320MHz	Pass	0.93	4.86	4.46	5.01	4.01	10.53	11.00
5500MHz	Pass	0.96	5.36	5.45	4.77	4.38	10.91	11.00
5580MHz	Pass	0.96	4.40	4.80	4.60	4.49	10.49	11.00
5700MHz	Pass	0.96	2.84	2.91	3.32	3.41	9.06	11.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	0.93	2.40	2.20	1.95	1.49	7.86	11.00
5310MHz	Pass	0.93	-0.54	-0.71	-0.63	-0.92	5.16	11.00
5510MHz	Pass	0.96	0.99	0.93	0.35	0.30	6.60	11.00
5550MHz	Pass	0.96	2.45	2.19	1.95	1.84	8.01	11.00
5670MHz	Pass	0.96	2.55	2.70	2.01	2.69	8.41	11.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	0.93	-3.64	-3.48	-3.87	-4.21	2.07	11.00
5530MHz	Pass	0.96	-3.73	-3.68	-4.14	-4.79	1.82	11.00
5610MHz	Pass	0.96	-0.34	-0.79	-0.98	-0.77	5.16	11.00
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	0.62	-8.60	-8.43	-8.39	-9.28	-3.01	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	0.93	-7.94	-8.46	-7.99	-8.91	-2.52	11.00
5570MHz	Pass	0.96	-8.31	-8.39	-8.69	-8.63	-2.95	11.00

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

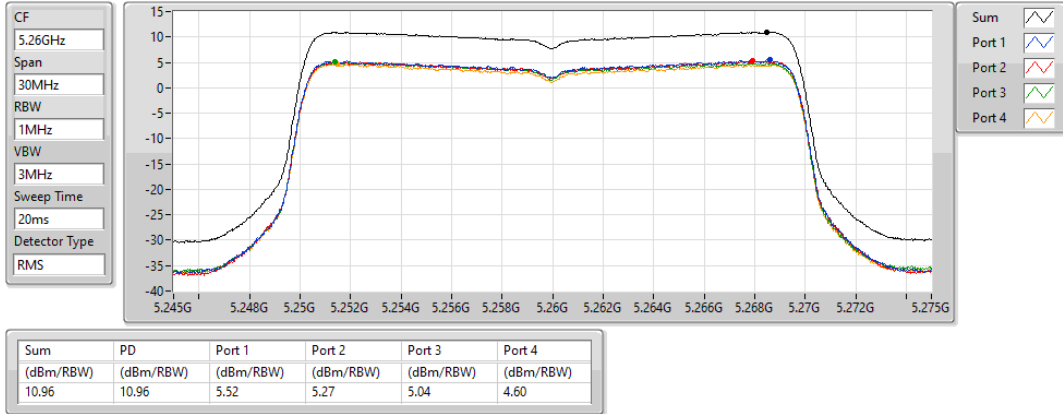
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5260MHz

05/05/2021

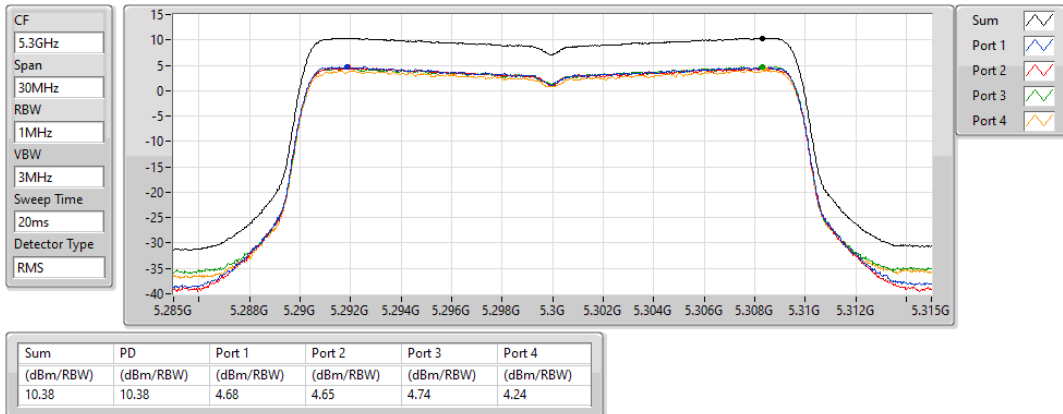


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5300MHz

05/05/2021

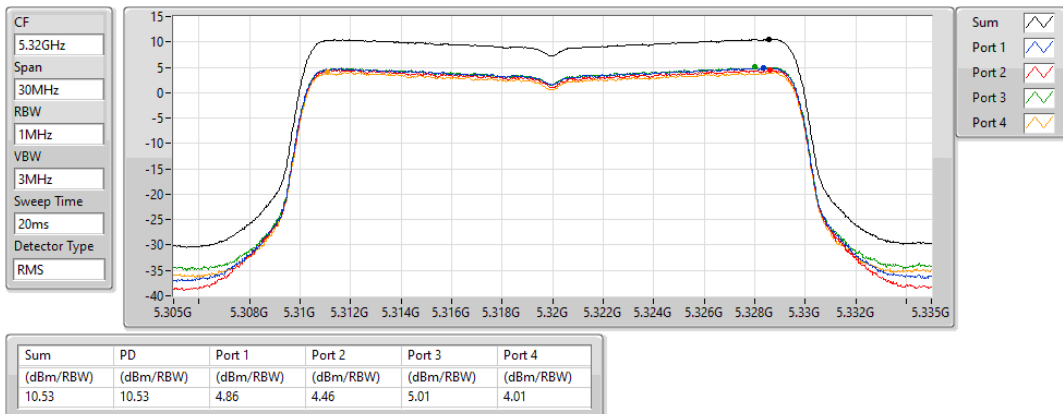


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5320MHz

05/05/2021

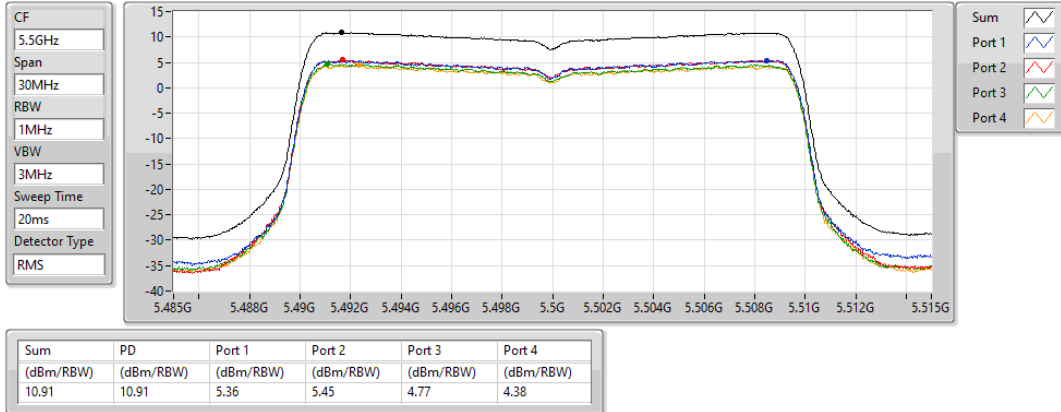


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5500MHz

05/05/2021

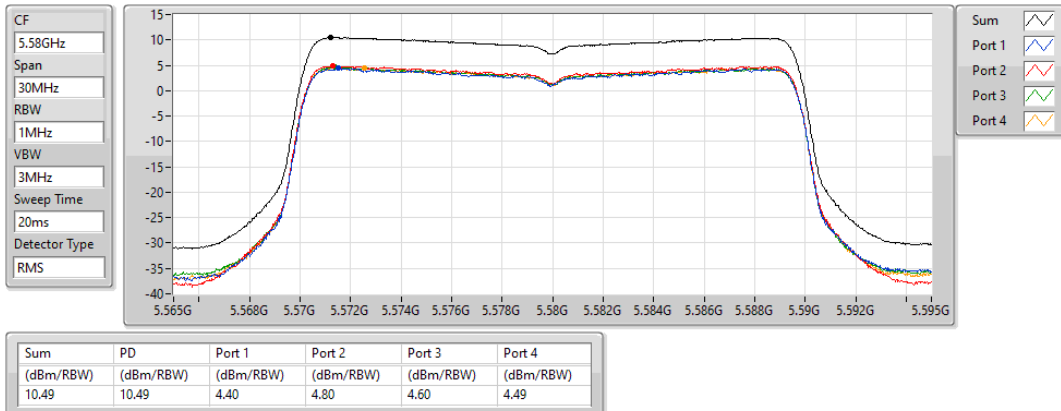


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5580MHz

05/05/2021

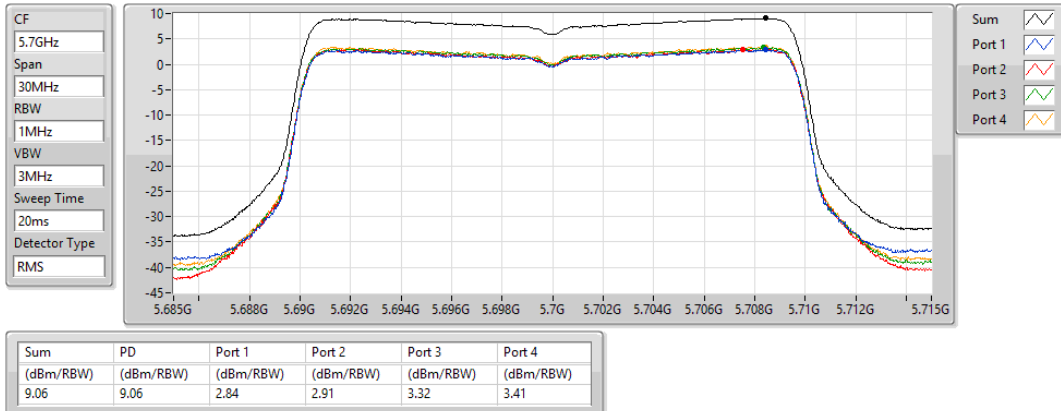


802.11ax HEW20_Nss4,(MCS0)_4TX

PSD

5700MHz

06/05/2021

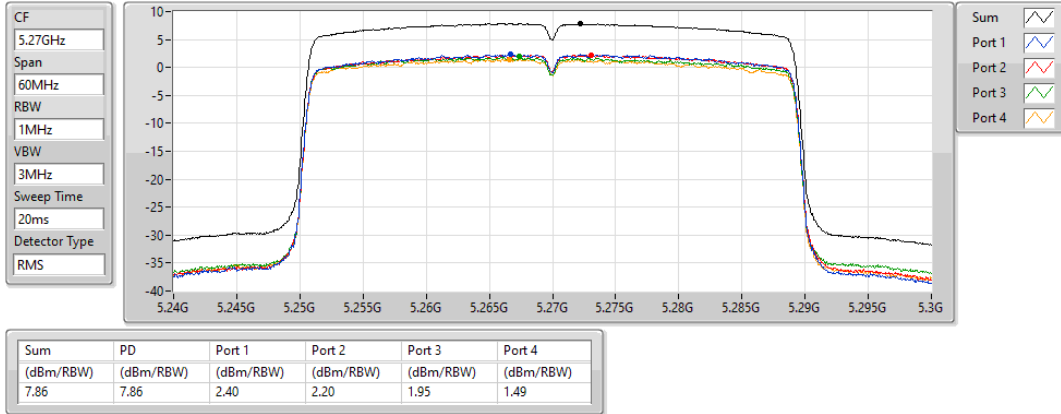


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5270MHz

05/05/2021

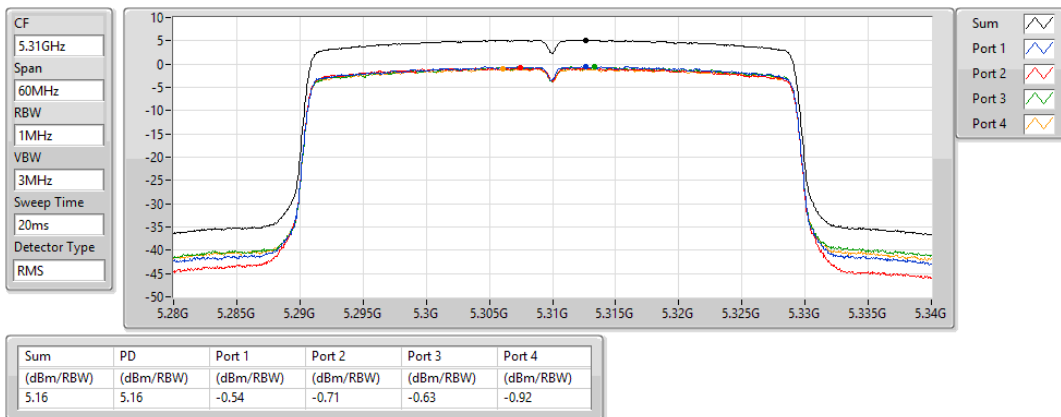


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5310MHz

06/05/2021

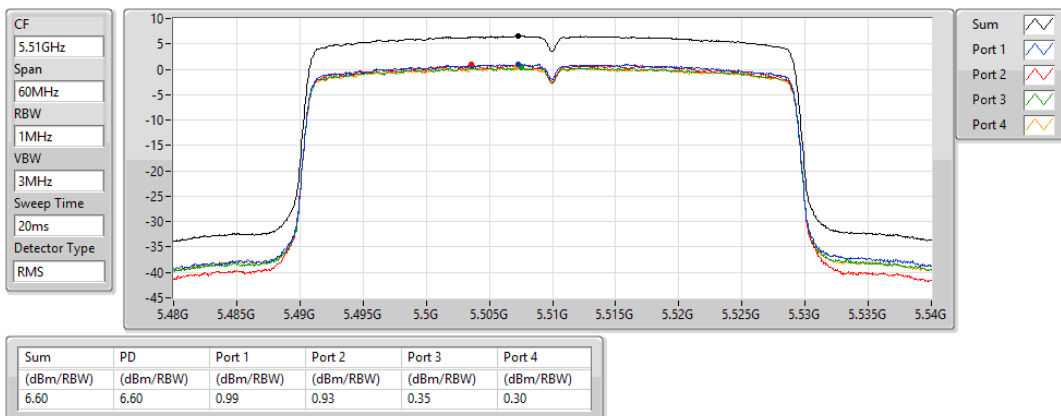


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5510MHz

06/05/2021

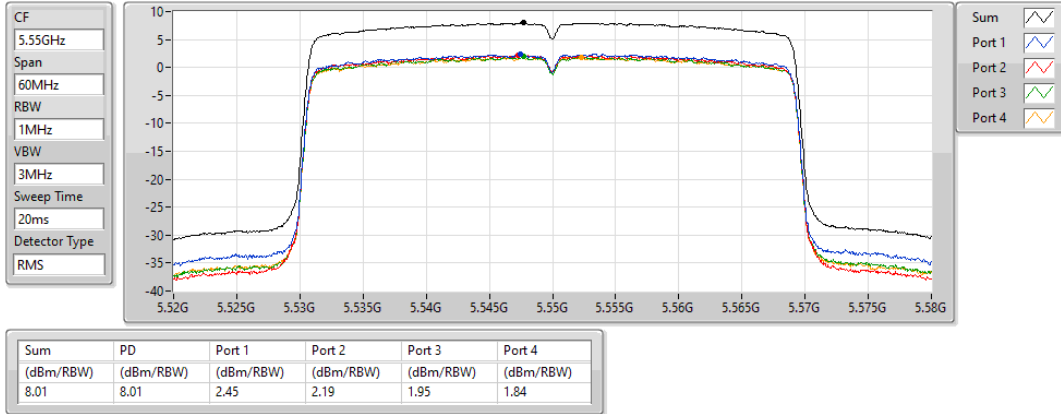


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5550MHz

05/05/2021

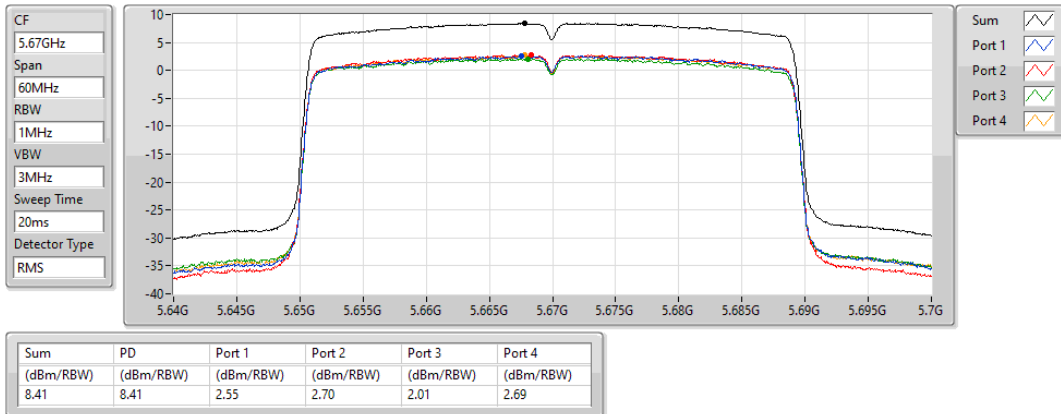


802.11ax HEW40_Nss4,(MCS0)_4TX

PSD

5670MHz

05/05/2021

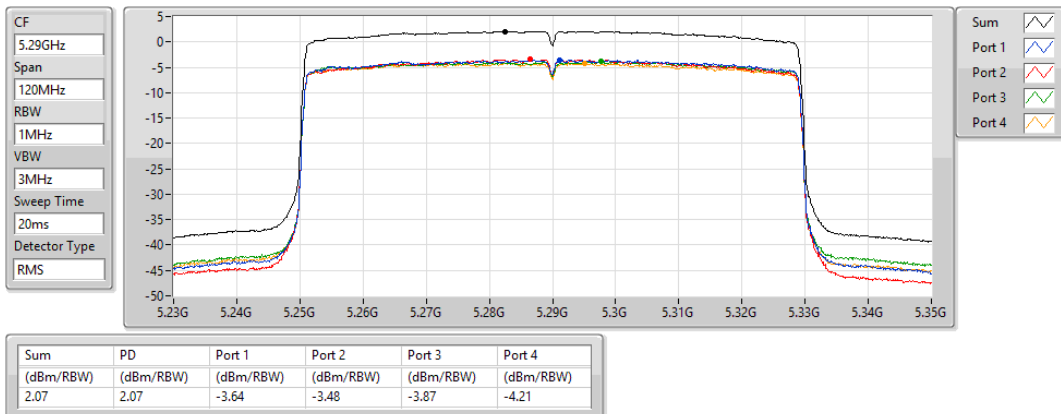


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5290MHz

06/05/2021

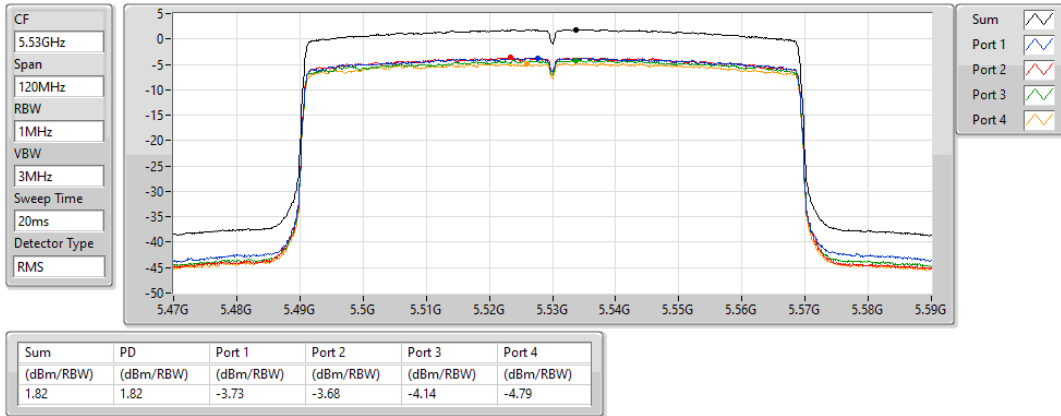


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5530MHz

05/05/2021

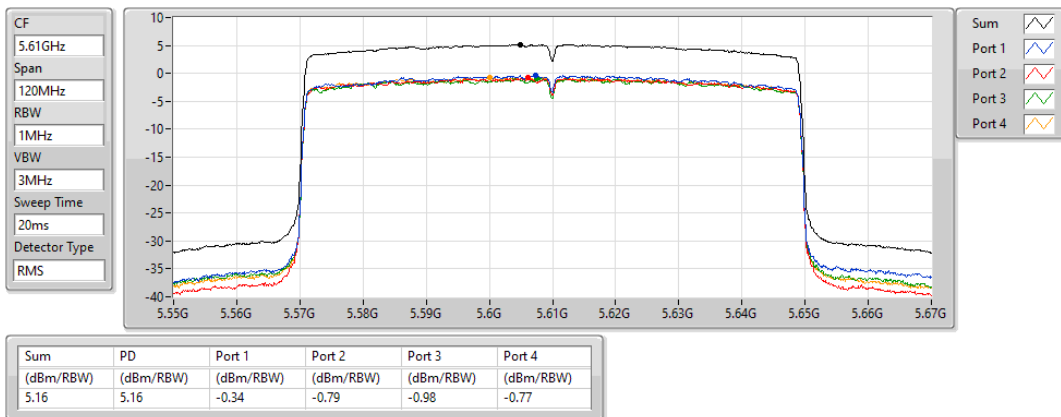


802.11ax HEW80_Nss4,(MCS0)_4TX

PSD

5610MHz

05/05/2021

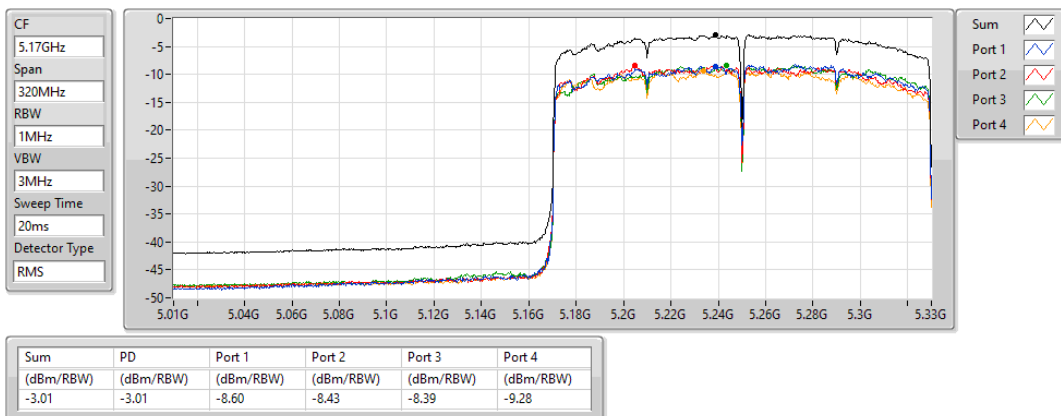


802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

05/05/2021

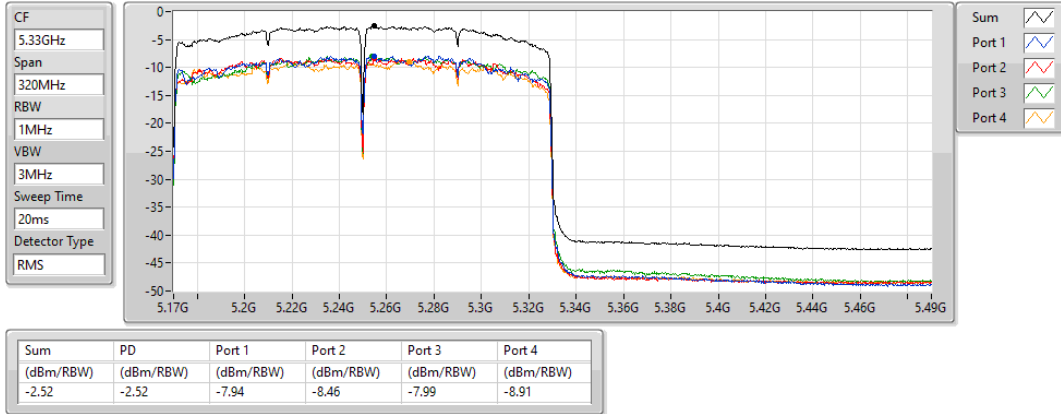


802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

05/05/2021

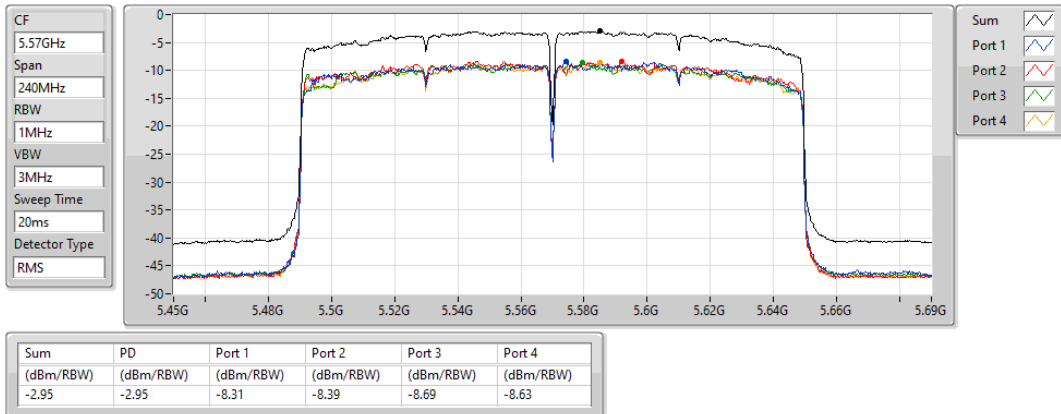


802.11ax HEW160_Nss4,(MCS0)_4TX

PSD

5570MHz

05/05/2021





Radiated Emissions below 1GHz

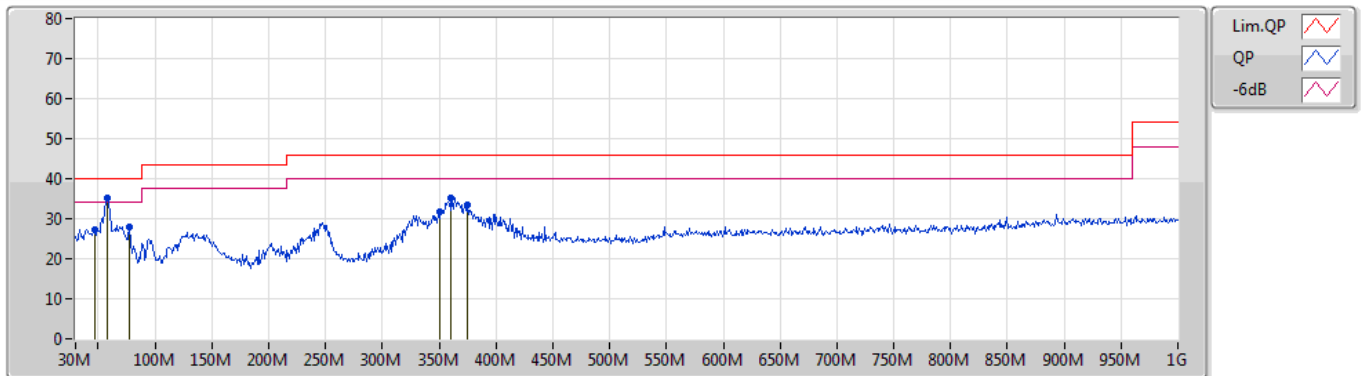
Appendix E.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 3	Pass	PK	58.13M	35.31	40.00	-4.69	Vertical

Mode 3

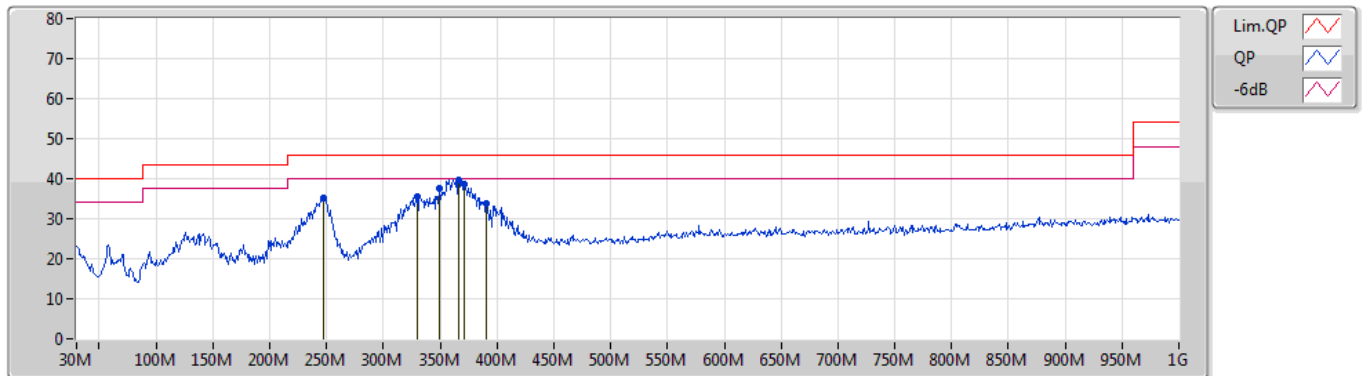
24/05/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	46.49M	27.30	40.00	-12.70	-15.78	3	Vertical	108	1.00	-	43.08	15.35	0.60	31.73
PK	58.13M	35.31	40.00	-4.69	-18.74	3	Vertical	48	1.00	"Worst"	54.05	12.33	0.76	31.83
PK	77.53M	28.10	40.00	-11.90	-18.55	3	Vertical	14	1.00	-	46.65	12.46	0.90	31.91
PK	350.1M	31.76	46.00	-14.24	-9.43	3	Vertical	53	1.50	-	41.19	20.28	2.40	32.11
PK	360.77M	35.19	46.00	-10.81	-9.04	3	Vertical	61	1.50	-	44.23	20.65	2.44	32.13
PK	375.32M	33.50	46.00	-12.50	-8.88	3	Vertical	52	1.25	-	42.38	20.77	2.50	32.15

Mode 3

24/05/2021



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	247.28M	35.25	46.00	-10.75	-12.28	3	Horizontal	88	1.25	-	47.53	17.84	1.89	32.01
PK	329.73M	35.66	46.00	-10.34	-10.19	3	Horizontal	204	1.00	-	45.85	19.59	2.32	32.10
PK	349.13M	37.43	46.00	-8.57	-9.49	3	Horizontal	137	1.00	-	46.92	20.22	2.40	32.11
PK	366.59M	39.71	46.00	-6.29	-8.99	3	Horizontal	179	1.00	"Worst"	48.70	20.68	2.47	32.14
PK	371.44M	38.52	46.00	-7.48	-8.94	3	Horizontal	179	1.00	-	47.46	20.71	2.49	32.14
PK	390.84M	33.68	46.00	-12.32	-8.36	3	Horizontal	188	1.00	-	42.04	21.26	2.56	32.18



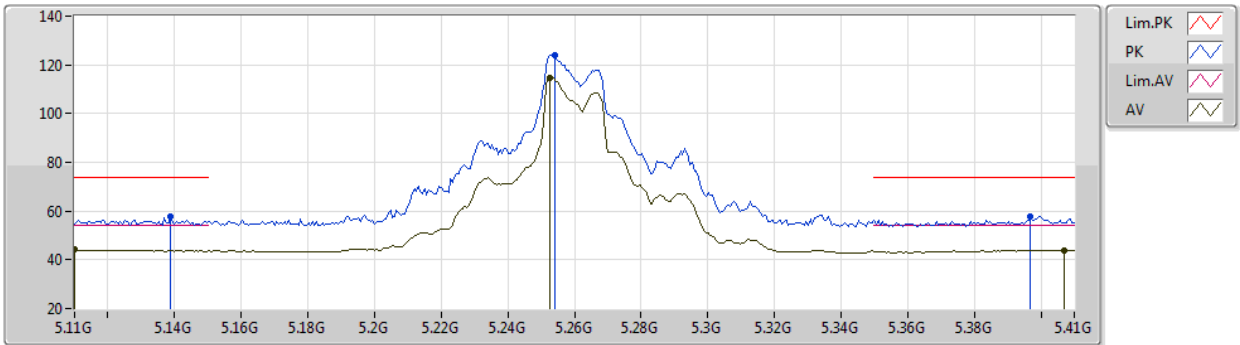
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	Pass	AV	5.35G	52.99	54.00	-1.01	3	Vertical	12	1.90	-

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5260MHz_TX



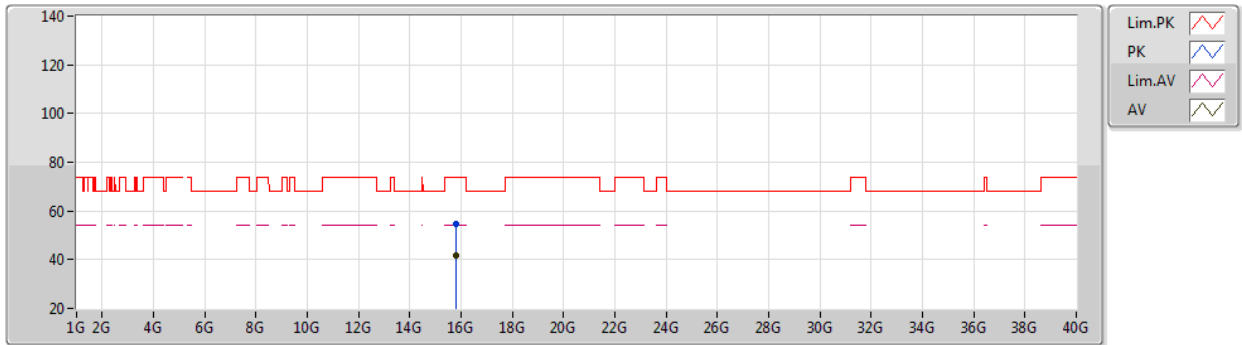
EUT Y_4TX
Setting 24
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1388G	57.72	74.00	-16.28	52.64	3	Vertical	3	1.80	-	31.84	4.98	31.74
AV	5.11G	44.11	54.00	-9.89	38.99	3	Vertical	3	1.80	-	31.96	4.92	31.76
PK	5.254G	124.20	Inf	-Inf	119.39	3	Vertical	3	1.80	-	31.39	5.07	31.65
AV	5.2528G	114.67	Inf	-Inf	109.86	3	Vertical	3	1.80	-	31.39	5.07	31.65
PK	5.3968G	58.01	74.00	-15.99	52.89	3	Vertical	3	1.80	-	31.67	5.00	31.55
AV	5.407G	44.03	54.00	-9.97	38.86	3	Vertical	3	1.80	-	31.70	5.01	31.54

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5260MHz_TX



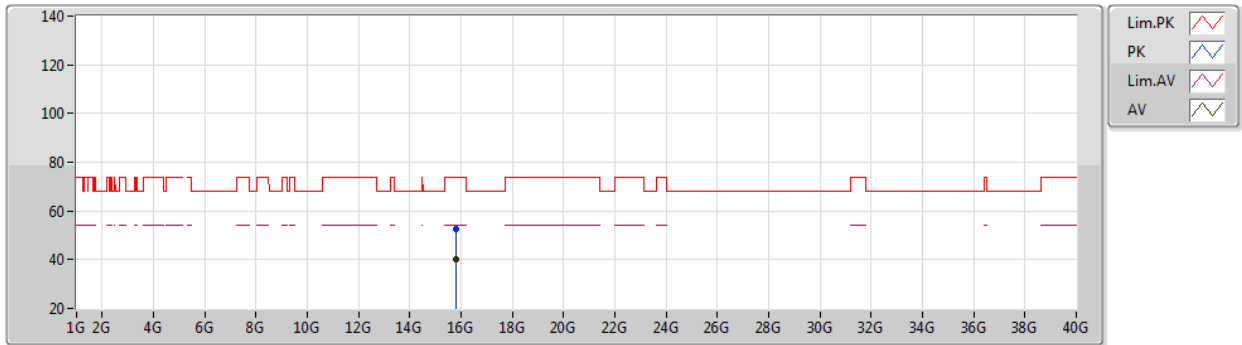
EUT_Z_4TX
Setting 24
02-B-R-5

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	15.77946G	54.48	74.00	-19.52	40.82	3	Vertical	255	2.79	-	37.40	9.12	32.86
AV	15.77976G	41.53	54.00	-12.47	27.87	3	Vertical	255	2.79	-	37.40	9.12	32.86

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5260MHz_TX



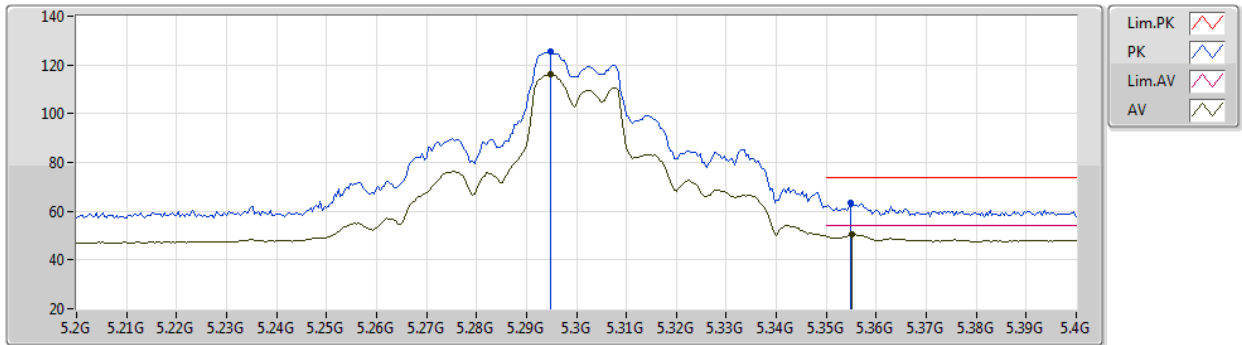
EUT_Z_4TX
Setting 24
02-B-R-5

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	15.79176G	52.67	74.00	-21.33	39.00	3	Horizontal	231	2.34	-	37.40	9.13	32.86
AV	15.77886G	40.11	54.00	-13.89	26.45	3	Horizontal	231	2.34	-	37.40	9.12	32.86

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5300MHz_TX



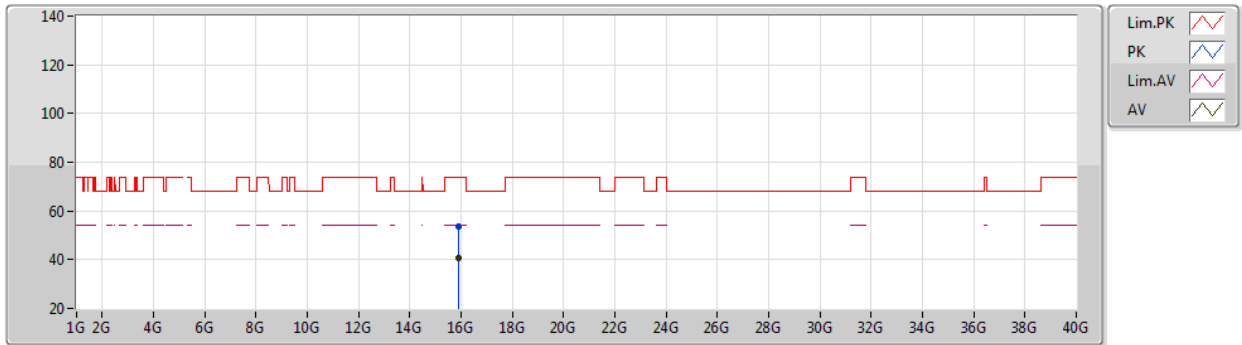
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2948G	125.33	Inf	-Inf	119.67	3	Vertical	0	1.80	-	34.38	6.45	35.17
AV	5.2948G	116.08	Inf	-Inf	110.42	3	Vertical	0	1.80	-	34.38	6.45	35.17
PK	5.3548G	63.49	74.00	-10.51	57.53	3	Vertical	0	1.80	-	34.59	6.48	35.11
AV	5.3552G	50.52	54.00	-3.48	44.56	3	Vertical	0	1.80	-	34.59	6.48	35.11

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5300MHz_TX



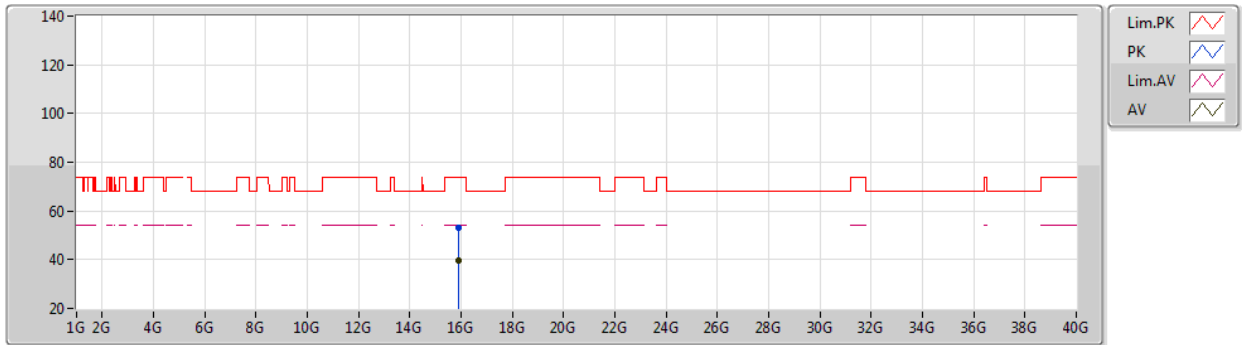
EUT_Z_4TX
Setting 24
02-B-R-5

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	15.89856G	53.60	74.00	-20.40	39.81	3	Vertical	248	2.15	-	37.50	9.16	32.87
AV	15.90114G	40.52	54.00	-13.48	26.72	3	Vertical	248	2.15	-	37.50	9.17	32.87

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5300MHz_TX



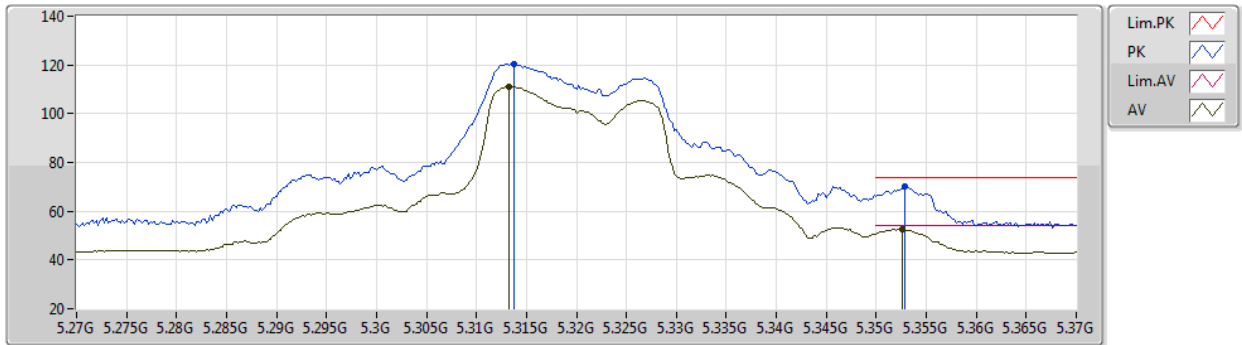
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Setting 24
02-B-R-5

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	15.91446G	52.93	74.00	-21.07	39.14	3	Horizontal	330	2.85	-	37.49	9.17	32.87
AV	15.88968G	39.54	54.00	-14.46	25.76	3	Horizontal	330	2.85	-	37.49	9.16	32.87

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5320MHz_TX



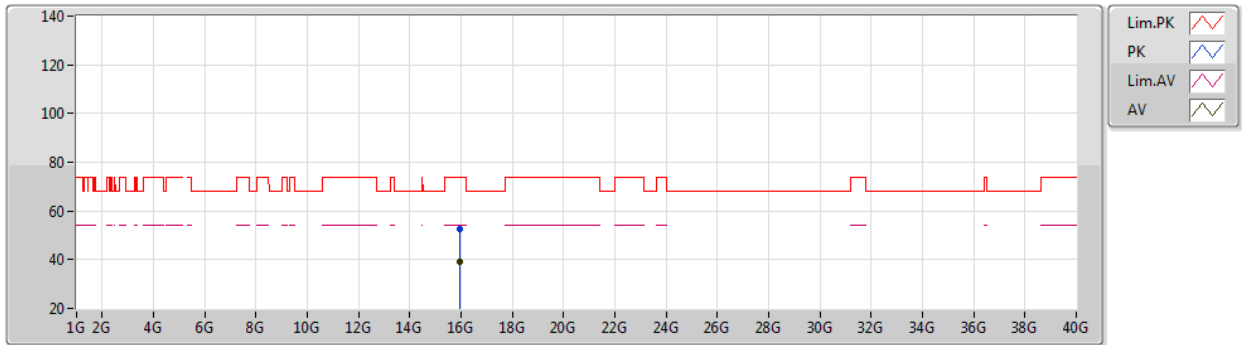
EUT Y_4TX
Setting 20.5
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3138G	120.55	Inf	-Inf	115.82	3	Vertical	4	1.77	-	31.30	5.04	31.61
AV	5.3132G	110.98	Inf	-Inf	106.25	3	Vertical	4	1.77	-	31.30	5.04	31.61
PK	5.3528G	70.28	74.00	-3.72	65.52	3	Vertical	4	1.77	-	31.32	5.02	31.58
AV	5.3526G	52.72	54.00	-1.28	47.96	3	Vertical	4	1.77	-	31.32	5.02	31.58

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5320MHz_TX



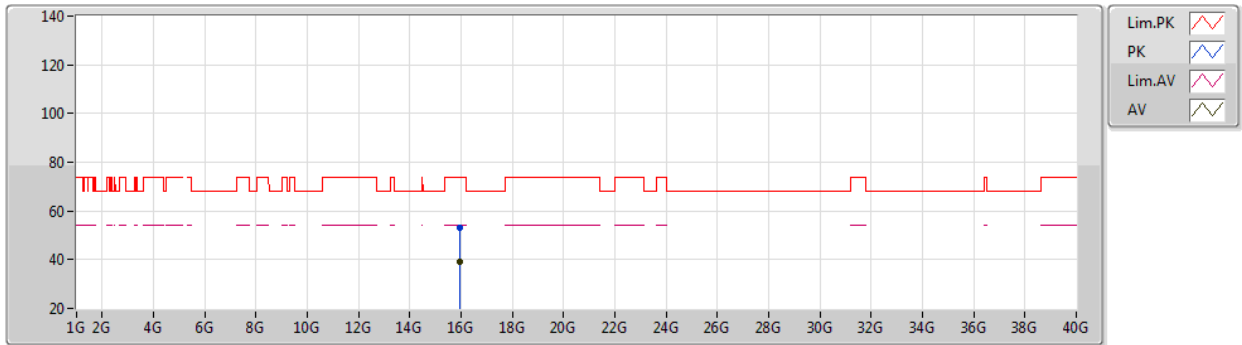
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Setting 20.5
02-B-R-5

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	15.96696G	52.55	74.00	-21.45	38.81	3	Vertical	162	1.33	-	37.43	9.19	32.88
AV	15.9471G	39.35	54.00	-14.65	25.60	3	Vertical	162	1.33	-	37.45	9.18	32.88

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5320MHz_TX



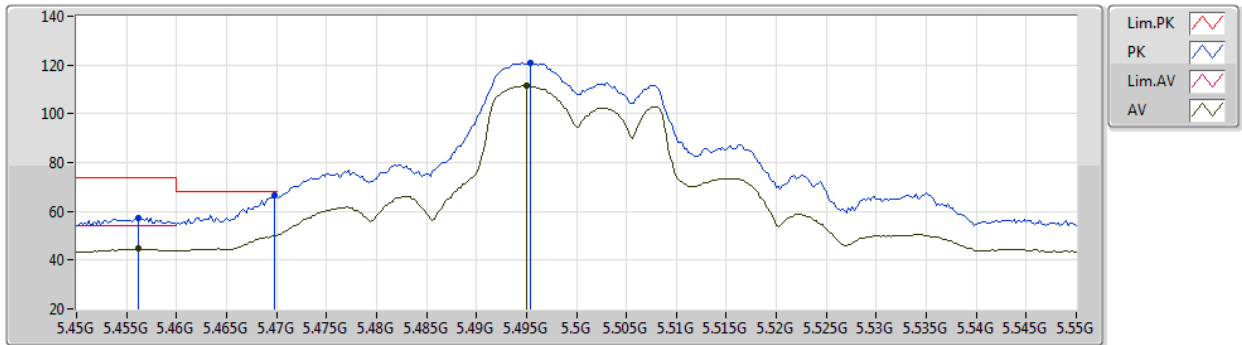
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Setting 20.5
02-B-R-5

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	15.96012G	53.15	74.00	-20.85	39.40	3	Horizontal	292	2.18	-	37.44	9.19	32.88
AV	15.948G	39.37	54.00	-14.63	25.62	3	Horizontal	292	2.18	-	37.45	9.18	32.88

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5500MHz_TX



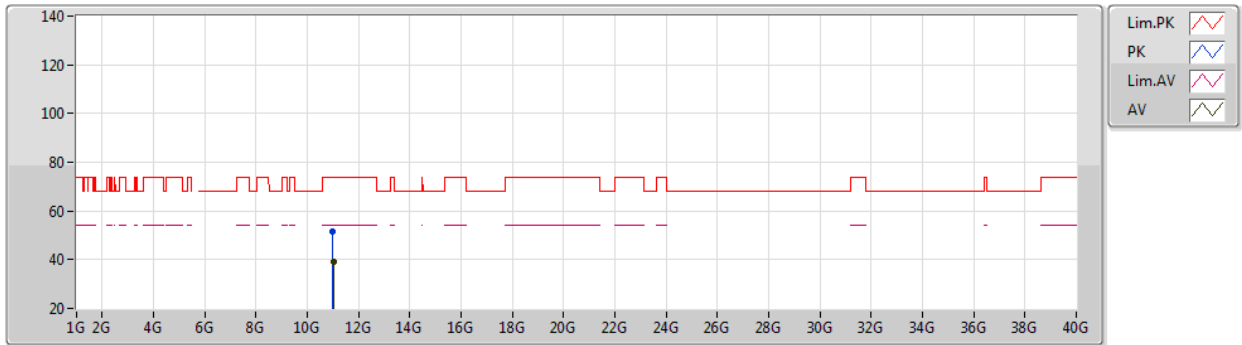
EUT Y_4TX
Setting 19.5
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4562G	57.43	74.00	-16.57	52.17	3	Vertical	330	1.62	-	31.70	5.06	31.50
AV	5.4562G	44.59	54.00	-9.41	39.33	3	Vertical	330	1.62	-	31.70	5.06	31.50
PK	5.4698G	66.38	68.20	-1.82	61.10	3	Vertical	330	1.62	-	31.70	5.07	31.49
PK	5.4954G	120.84	Inf	-Inf	115.51	3	Vertical	330	1.62	-	31.70	5.10	31.47
AV	5.495G	111.42	Inf	-Inf	106.09	3	Vertical	330	1.62	-	31.70	5.10	31.47

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5500MHz_TX



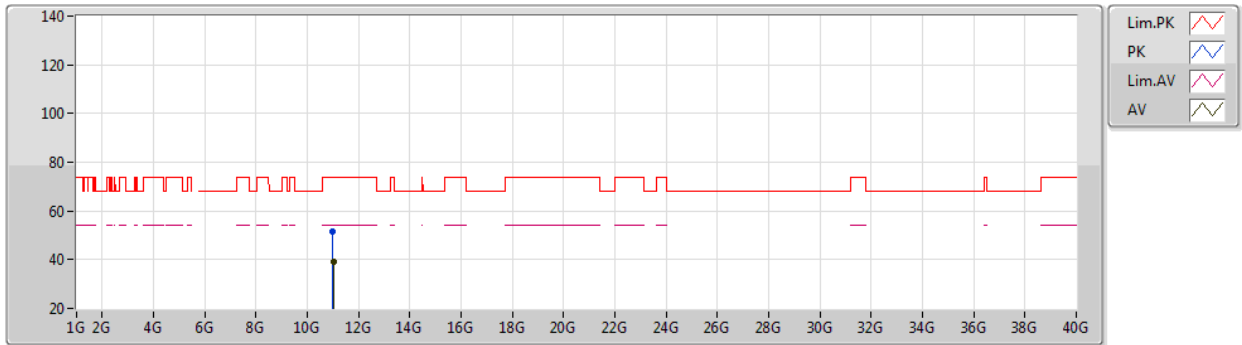
EUT_Z_4TX
Setting 19.5
02-B-C-4

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	11.00594G	51.71	74.00	-22.29	38.51	3	Vertical	211	2.12	-	38.51	7.45	32.76
AV	11.00918G	39.03	54.00	-14.97	25.83	3	Vertical	211	2.12	-	38.51	7.45	32.76

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5500MHz_TX



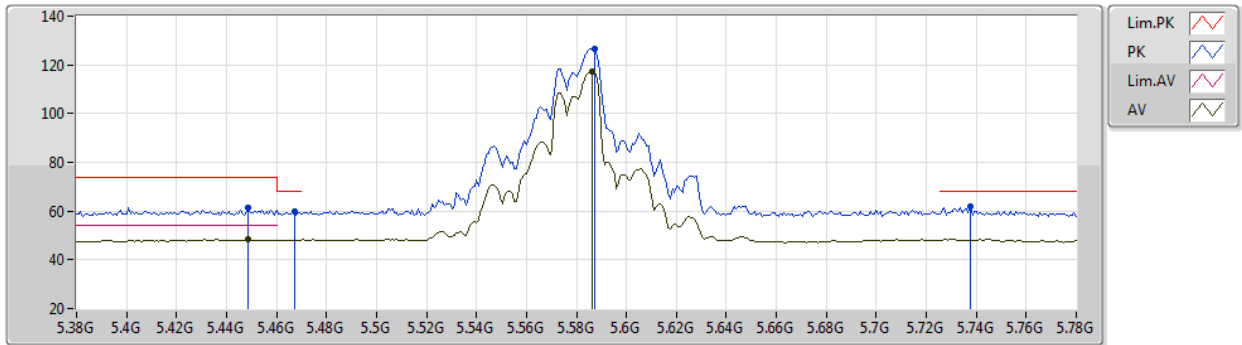
EUT_Z_4TX
Setting 19.5
02-B-C-4

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	11.00036G	51.42	74.00	-22.58	38.23	3	Horizontal	167	1.13	-	38.50	7.45	32.76
AV	11.01434G	39.24	54.00	-14.76	26.03	3	Horizontal	167	1.13	-	38.51	7.46	32.76

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5580MHz_TX



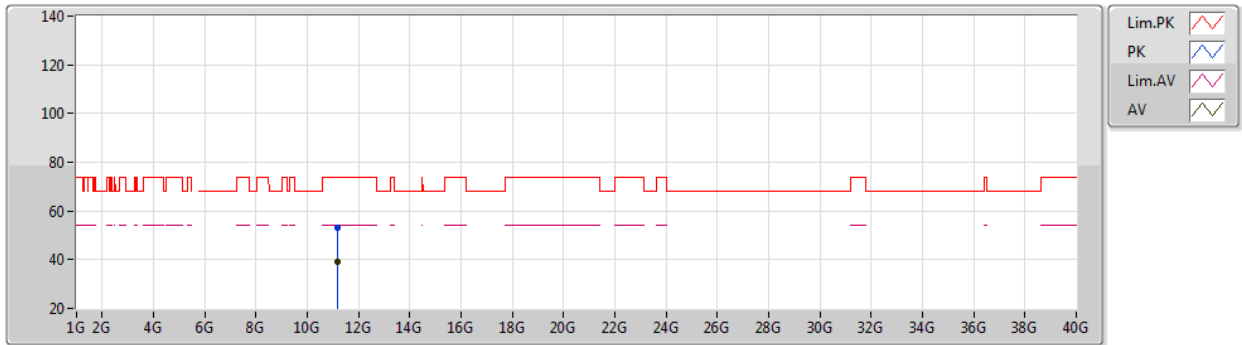
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4488G	61.27	74.00	-12.73	55.01	3	Vertical	357	1.80	-	34.70	6.57	35.01
AV	5.4488G	48.34	54.00	-5.66	42.08	3	Vertical	357	1.80	-	34.70	6.57	35.01
PK	5.4672G	59.59	68.20	-8.61	53.31	3	Vertical	357	1.80	-	34.67	6.60	34.99
PK	5.5872G	126.50	Inf	-Inf	120.21	3	Vertical	357	1.80	-	34.45	6.78	34.94
AV	5.5864G	117.31	Inf	-Inf	111.02	3	Vertical	357	1.80	-	34.45	6.78	34.94
PK	5.7376G	62.06	68.20	-6.14	55.73	3	Vertical	357	1.80	-	34.40	6.87	34.94

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5580MHz_TX



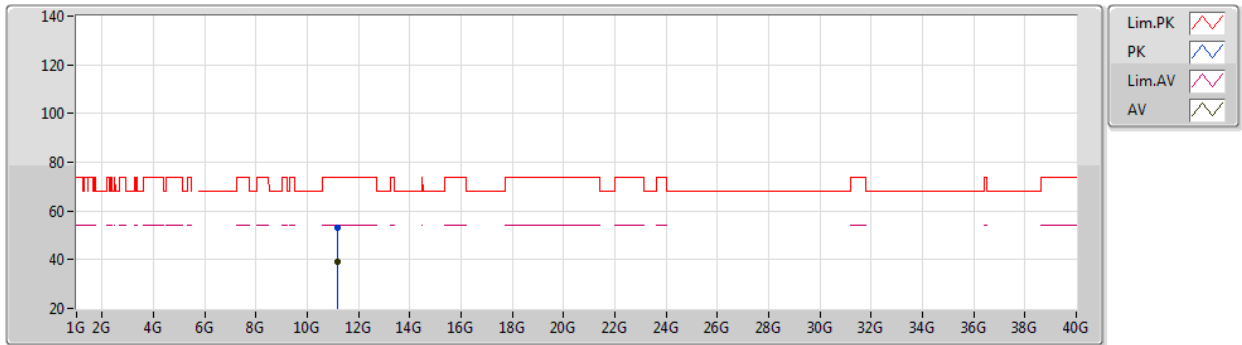
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.17422G	53.16	74.00	-20.84	39.80	3	Vertical	219	2.69	-	38.67	7.51	32.82
AV	11.15982G	39.28	54.00	-14.72	25.92	3	Vertical	219	2.69	-	38.66	7.51	32.81

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5580MHz_TX



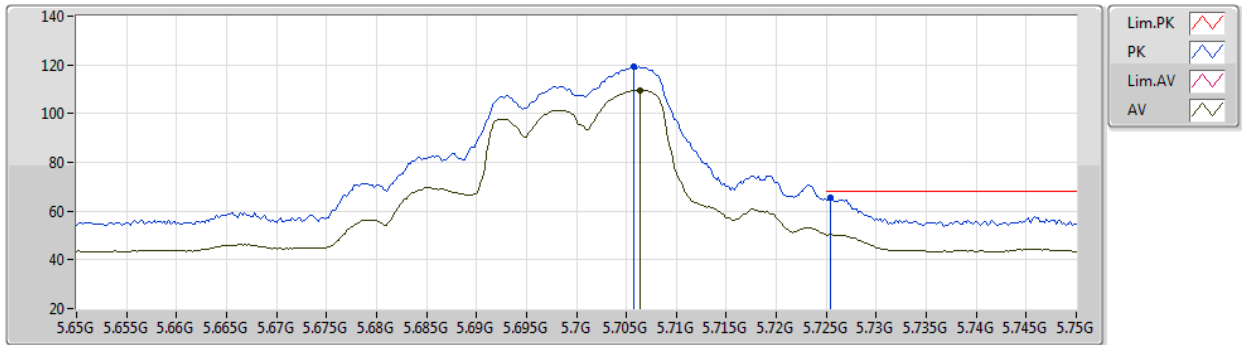
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Setting 24
02-B-C-4

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	11.15802G	53.33	74.00	-20.67	39.97	3	Horizontal	259	2.03	-	38.66	7.51	32.81
AV	11.16186G	39.35	54.00	-14.65	26.00	3	Horizontal	259	2.03	-	38.66	7.51	32.82

802.11a_Nss1,(6Mbps)_4TX

22/04/2021

5700MHz_TX



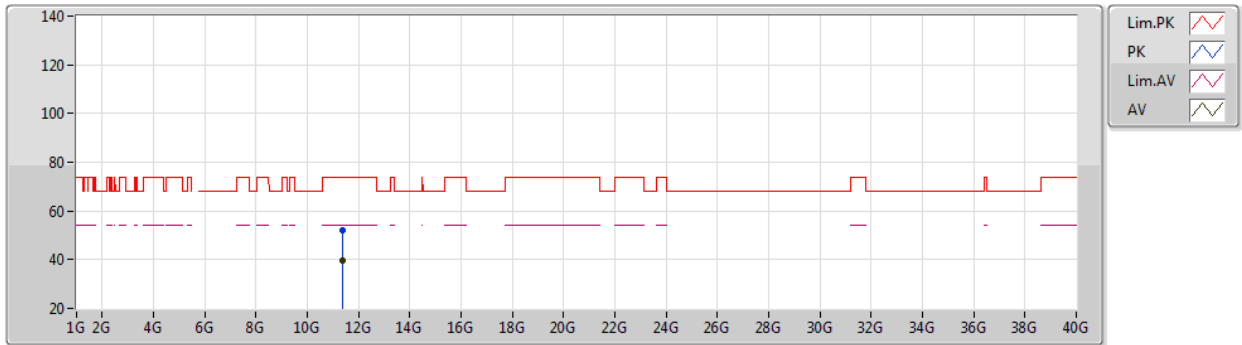
EUT Y_4TX
Setting 17.5
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.7058G	119.19	Inf	-Inf	113.75	3	Vertical	360	1.67	-	31.81	5.09	31.46
AV	5.7064G	109.51	Inf	-Inf	104.07	3	Vertical	360	1.67	-	31.81	5.09	31.46
PK	5.7254G	65.54	68.20	-2.66	60.08	3	Vertical	360	1.67	-	31.85	5.07	31.46

802.11a_Nss1,(6Mbps)_4TX

21/05/2021

5700MHz_TX



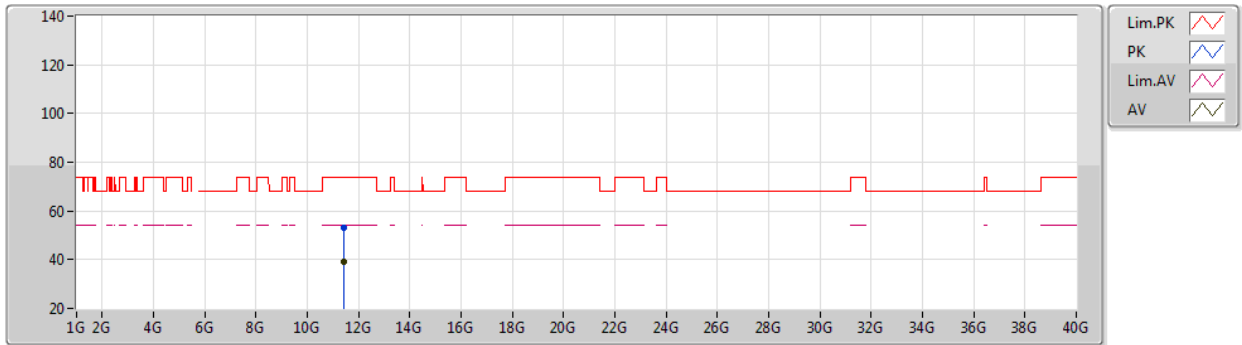
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Setting 17.5
02-B-C-4

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	11.3859G	51.99	74.00	-22.01	38.50	3	Vertical	53	2.02	-	38.79	7.59	32.89
AV	11.38402G	39.40	54.00	-14.60	25.93	3	Vertical	53	2.02	-	38.78	7.58	32.89

802.11a_Nss1,(6Mbps)_4TX

21/05/2021

5700MHz_TX



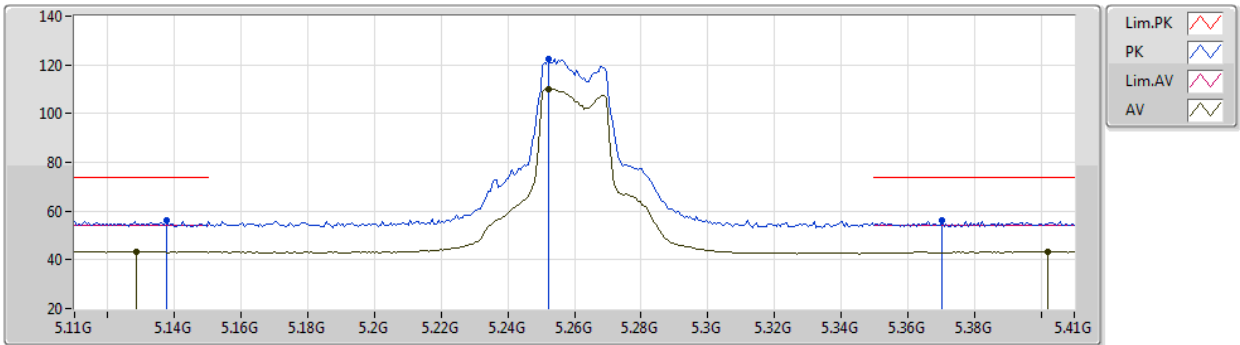
EUT_Z_4TX
Setting 17.5
02-B-C-4

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	11.40594G	53.15	74.00	-20.85	39.65	3	Horizontal	135	2.10	-	38.81	7.59	32.90
AV	11.40402G	39.38	54.00	-14.62	25.88	3	Horizontal	135	2.10	-	38.81	7.59	32.90

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

15/04/2021

5260MHz_TX

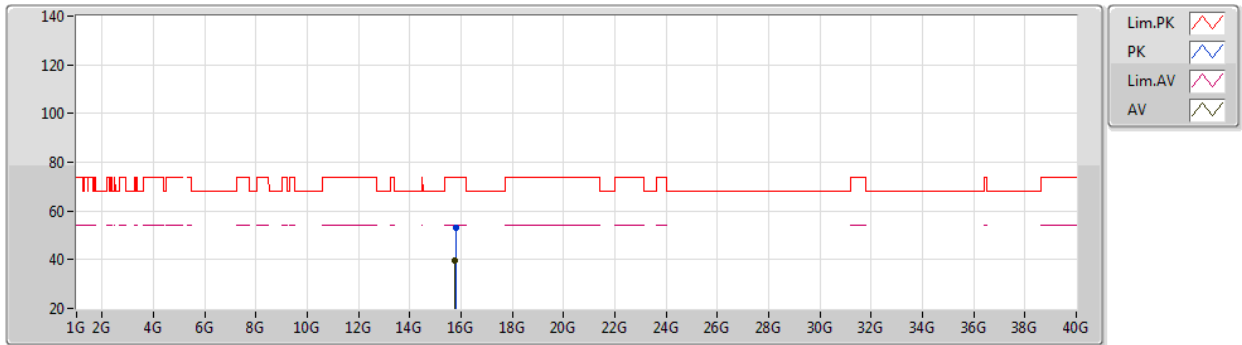

EUT Y_4TX
Setting 24
02-B-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1376G	55.95	74.00	-18.05	50.86	3	Vertical	322	1.80	-	31.85	4.98	31.74
AV	5.1286G	43.48	54.00	-10.52	38.37	3	Vertical	322	1.80	-	31.89	4.96	31.74
PK	5.2522G	122.36	Inf	-Inf	117.54	3	Vertical	322	1.80	-	31.40	5.07	31.65
AV	5.2522G	110.08	Inf	-Inf	105.26	3	Vertical	322	1.80	-	31.40	5.07	31.65
PK	5.3704G	55.99	74.00	-18.01	51.09	3	Vertical	322	1.80	-	31.46	5.01	31.57
AV	5.4022G	43.53	54.00	-10.47	38.37	3	Vertical	322	1.80	-	31.70	5.00	31.54

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5260MHz_TX

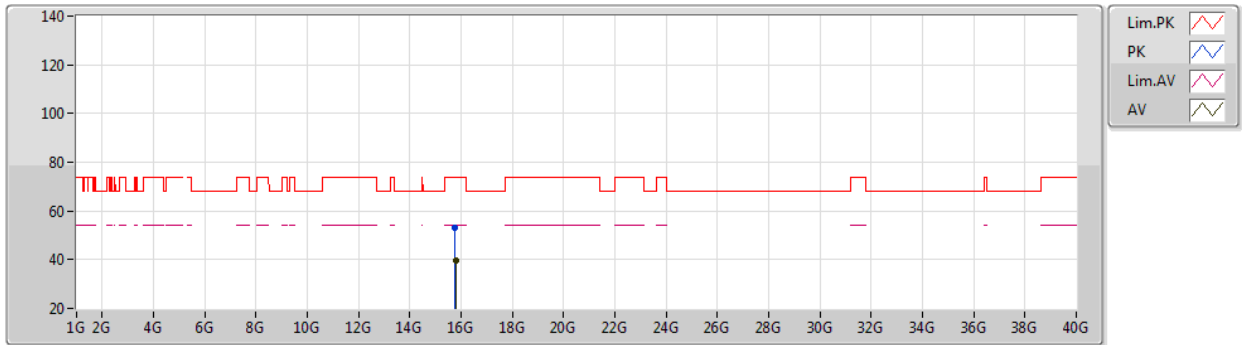

EUT Y_4TX
Setting 24
02-B-C-4

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	15.78714G	52.97	74.00	-21.03	39.30	3	Vertical	190	2.93	-	37.40	9.13	32.86
AV	15.77022G	39.88	54.00	-14.12	26.22	3	Vertical	190	2.93	-	37.40	9.12	32.86

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5260MHz_TX

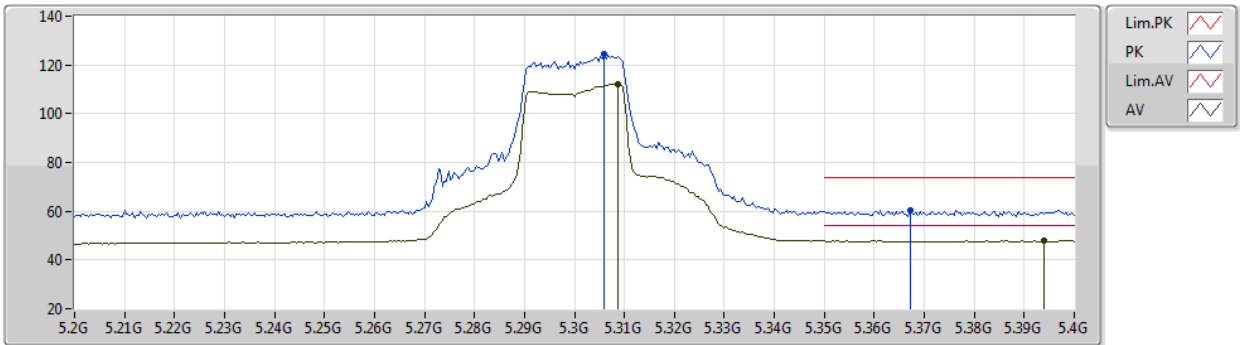

EUT_V_4TX
Setting 24
02-B-C-4

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	15.77226G	52.95	74.00	-21.05	39.29	3	Horizontal	219	2.26	-	37.40	9.12	32.86
AV	15.78108G	39.75	54.00	-14.25	26.09	3	Horizontal	219	2.26	-	37.40	9.12	32.86

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5300MHz_TX



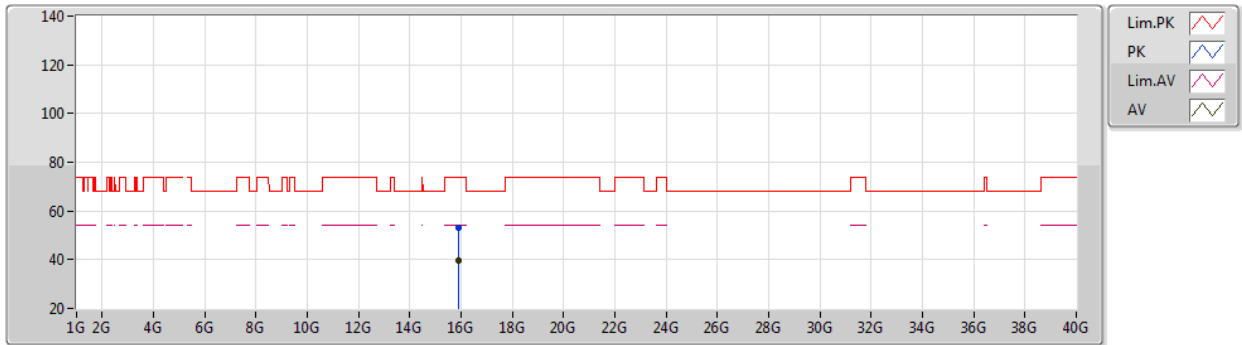
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.306G	124.68	Inf	-Inf	118.97	3	Vertical	333	1.71	-	34.42	6.45	35.16
AV	5.3088G	112.14	Inf	-Inf	106.41	3	Vertical	333	1.71	-	34.44	6.45	35.16
PK	5.3672G	60.46	74.00	-13.54	54.50	3	Vertical	333	1.71	-	34.57	6.48	35.09
AV	5.394G	48.00	54.00	-6.00	42.05	3	Vertical	333	1.71	-	34.51	6.50	35.06

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5300MHz_TX



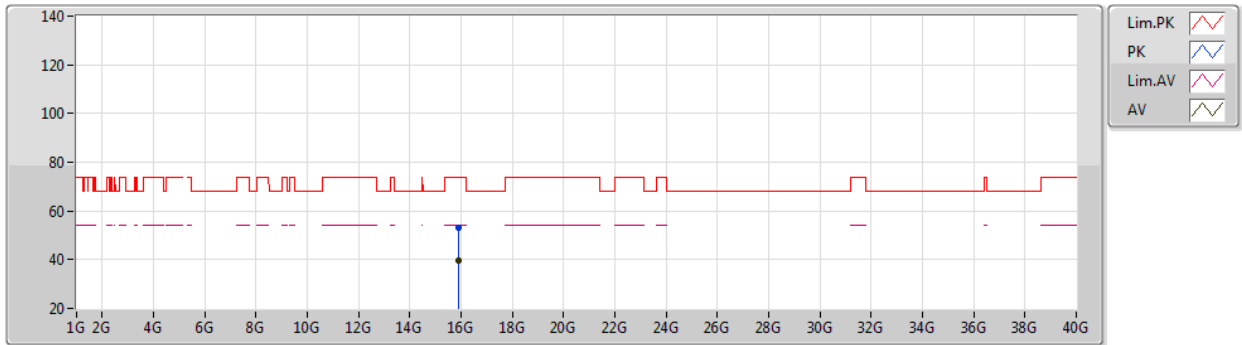
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.89184G	53.02	74.00	-20.98	39.24	3	Vertical	108	1.57	-	37.49	9.16	32.87
AV	15.8919G	39.80	54.00	-14.20	26.02	3	Vertical	108	1.57	-	37.49	9.16	32.87

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5300MHz_TX



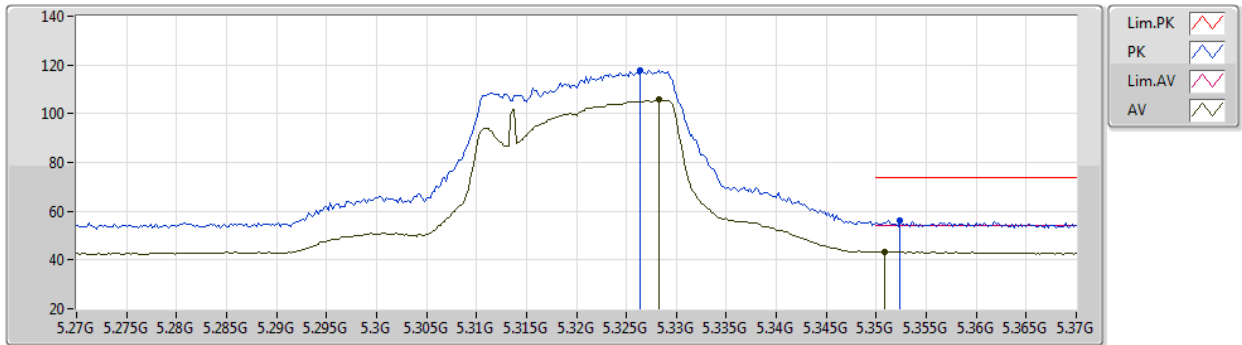
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.90816G	53.09	74.00	-20.91	39.30	3	Horizontal	45	1.45	-	37.49	9.17	32.87
AV	15.89172G	39.68	54.00	-14.32	25.90	3	Horizontal	45	1.45	-	37.49	9.16	32.87

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

15/04/2021

5320MHz_TX

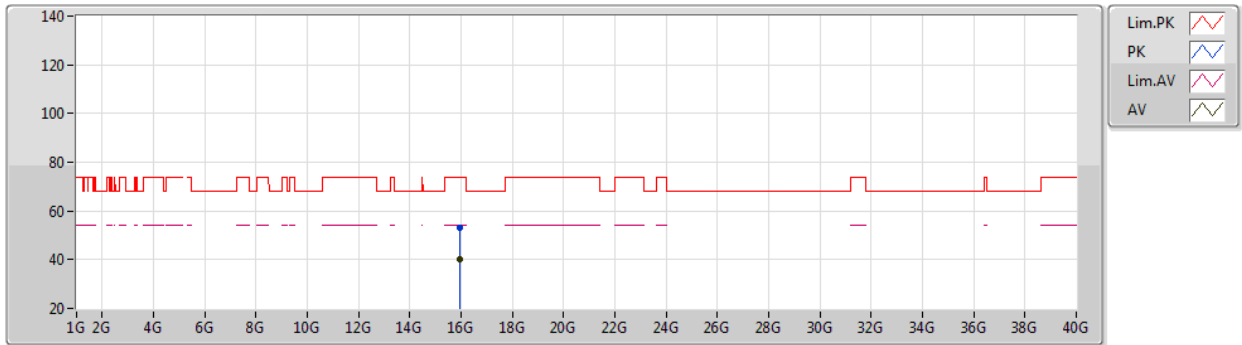

EUT Y_4TX
Setting 24
02-B-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3264G	117.79	Inf	-Inf	113.05	3	Vertical	328	1.72	-	31.30	5.04	31.60
AV	5.3282G	105.62	Inf	-Inf	100.88	3	Vertical	328	1.72	-	31.30	5.04	31.60
PK	5.3524G	56.21	74.00	-17.79	51.45	3	Vertical	328	1.72	-	31.32	5.02	31.58
AV	5.3508G	43.19	54.00	-10.81	38.44	3	Vertical	328	1.72	-	31.31	5.02	31.58

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5320MHz_TX

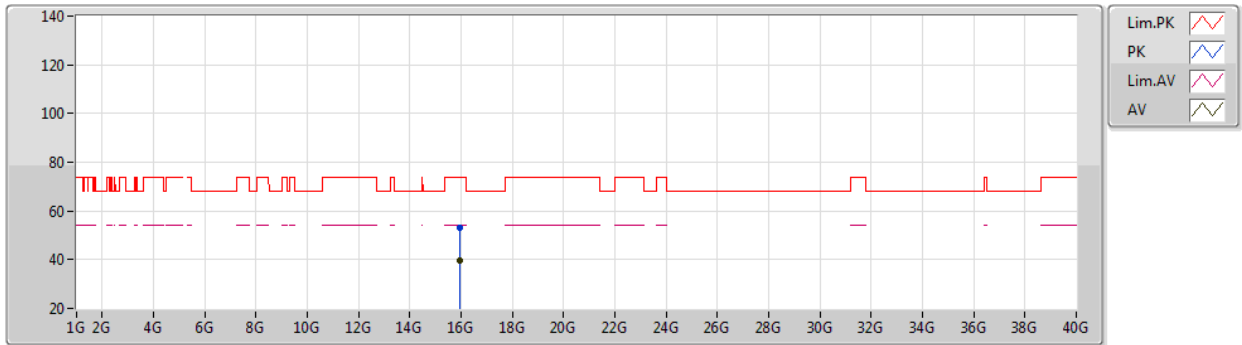

EUT_Z_4TX
Setting 24
02-B-C-4

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	15.94746G	52.90	74.00	-21.10	39.15	3	Vertical	228	1.42	-	37.45	9.18	32.88
AV	15.94524G	39.92	54.00	-14.08	26.17	3	Vertical	228	1.42	-	37.45	9.18	32.88

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5320MHz_TX



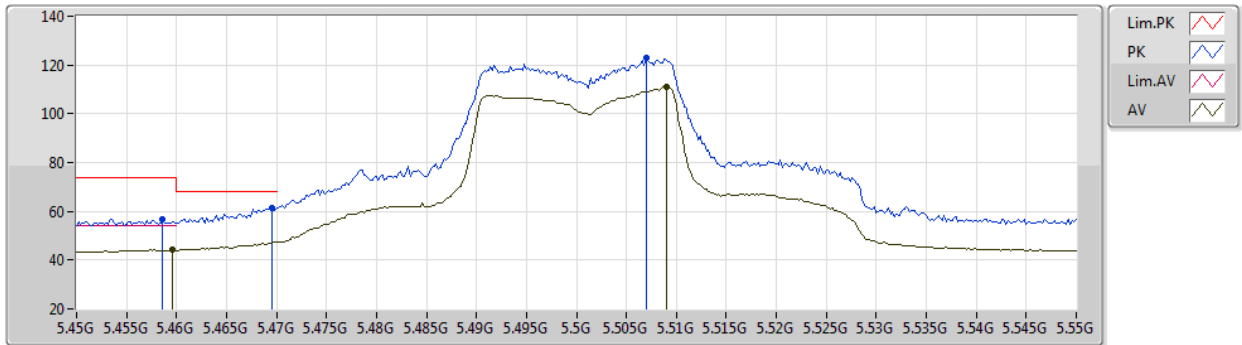
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.9579G	52.89	74.00	-21.11	39.14	3	Horizontal	88	2.54	-	37.44	9.19	32.88
AV	15.94968G	39.79	54.00	-14.21	26.04	3	Horizontal	88	2.54	-	37.45	9.18	32.88

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

15/04/2021

5500MHz_TX

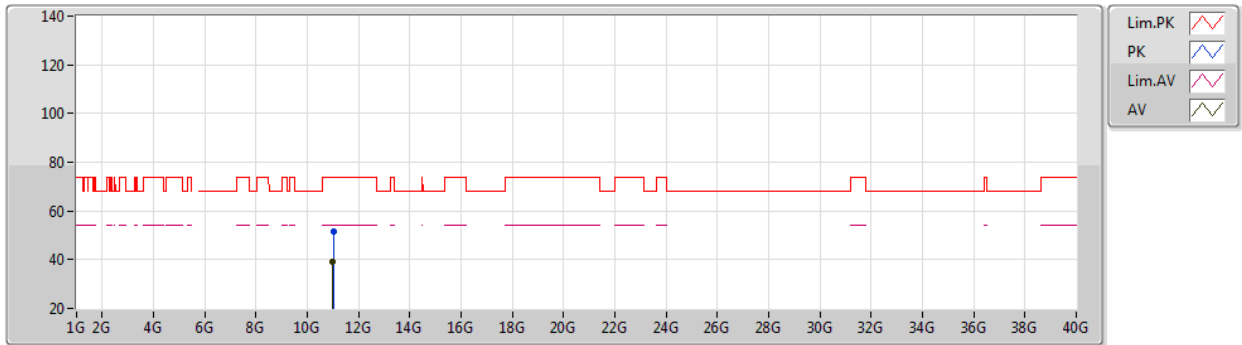

EUT Y_4TX
Setting 24
02-B-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4586G	56.76	74.00	-17.24	51.50	3	Vertical	11	1.56	-	31.70	5.06	31.50
AV	5.4596G	44.26	54.00	-9.74	39.00	3	Vertical	11	1.56	-	31.70	5.06	31.50
PK	5.4696G	61.63	68.20	-6.57	56.35	3	Vertical	11	1.56	-	31.70	5.07	31.49
PK	5.507G	122.84	Inf	-Inf	117.51	3	Vertical	11	1.56	-	31.69	5.11	31.47
AV	5.509G	111.06	Inf	-Inf	105.74	3	Vertical	11	1.56	-	31.68	5.11	31.47

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5500MHz_TX



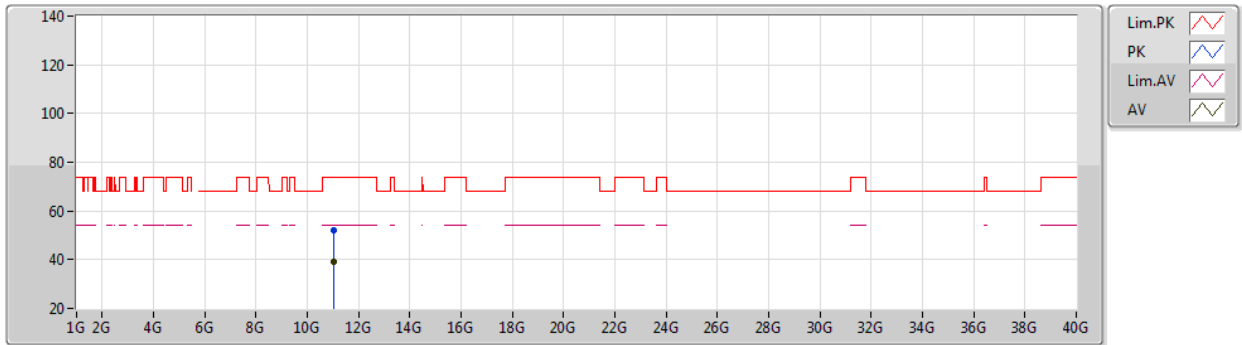
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.009G	51.59	74.00	-22.41	38.39	3	Vertical	223	1.81	-	38.51	7.45	32.76
AV	11.00798G	38.95	54.00	-15.05	25.75	3	Vertical	223	1.81	-	38.51	7.45	32.76

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5500MHz_TX



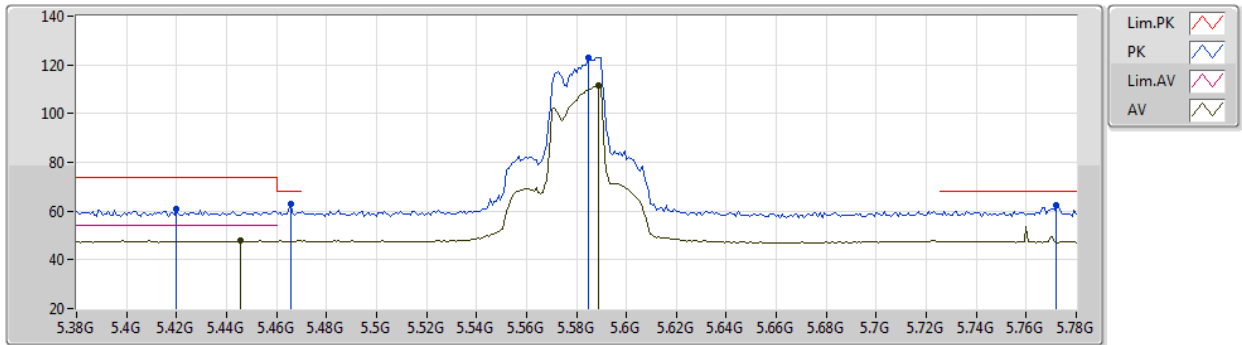
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.01314G	52.30	74.00	-21.70	39.10	3	Horizontal	268	1.01	-	38.51	7.45	32.76
AV	11.01236G	38.93	54.00	-15.07	25.73	3	Horizontal	268	1.01	-	38.51	7.45	32.76

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5580MHz_TX



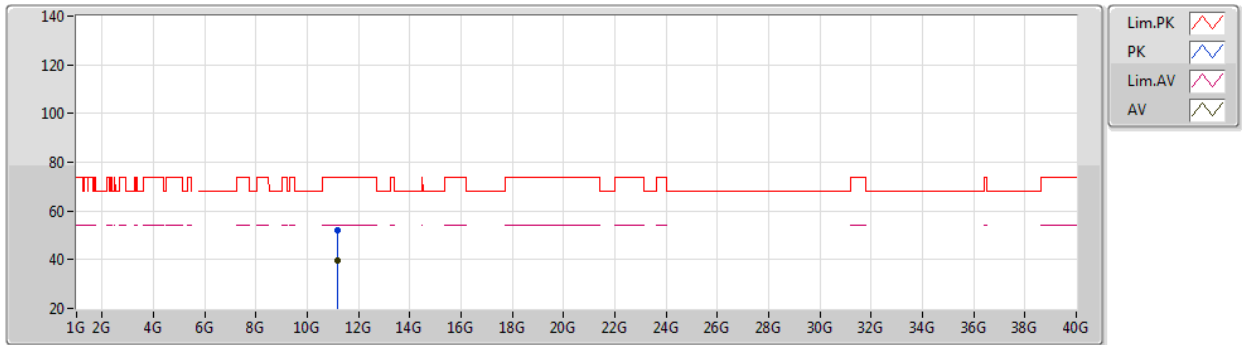
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.42G	60.83	74.00	-13.17	54.76	3	Vertical	325	1.64	-	34.58	6.53	35.04
PK	5.4656G	63.14	68.20	-5.06	56.86	3	Vertical	325	1.64	-	34.67	6.60	34.99
AV	5.4456G	47.86	54.00	-6.14	41.62	3	Vertical	325	1.64	-	34.68	6.57	35.01
PK	5.5848G	123.12	Inf	-Inf	116.82	3	Vertical	325	1.64	-	34.46	6.78	34.94
AV	5.5888G	111.66	Inf	-Inf	105.38	3	Vertical	325	1.64	-	34.44	6.78	34.94
PK	5.772G	62.39	68.20	-5.81	56.03	3	Vertical	325	1.64	-	34.40	6.89	34.93

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5580MHz_TX



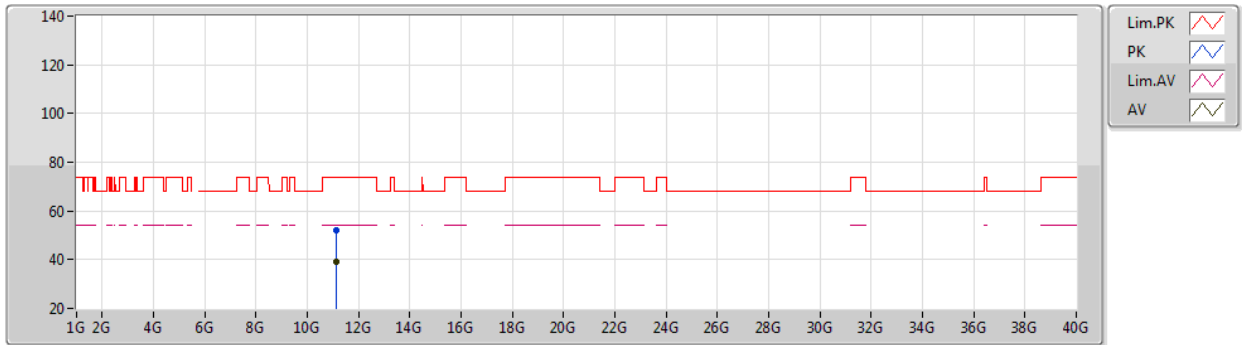
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.1699G	52.23	74.00	-21.77	38.87	3	Vertical	45	2.12	-	38.67	7.51	32.82
AV	11.16156G	39.48	54.00	-14.52	26.12	3	Vertical	45	2.12	-	38.66	7.51	32.81

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5580MHz_TX



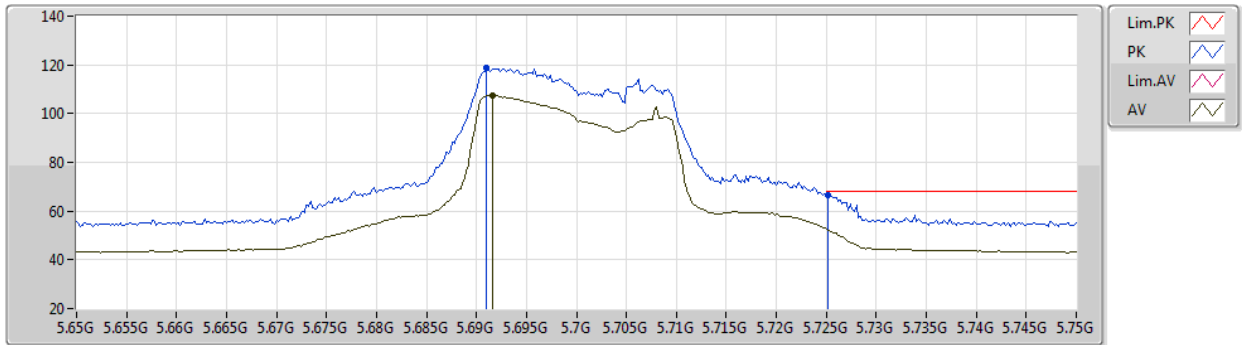
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Setting 24
02-B-C-4

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	11.14584G	52.03	74.00	-21.97	38.69	3	Horizontal	156	2.36	-	38.65	7.50	32.81
AV	11.14474G	39.26	54.00	-14.74	25.93	3	Horizontal	156	2.36	-	38.64	7.50	32.81

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

15/04/2021

5700MHz_TX

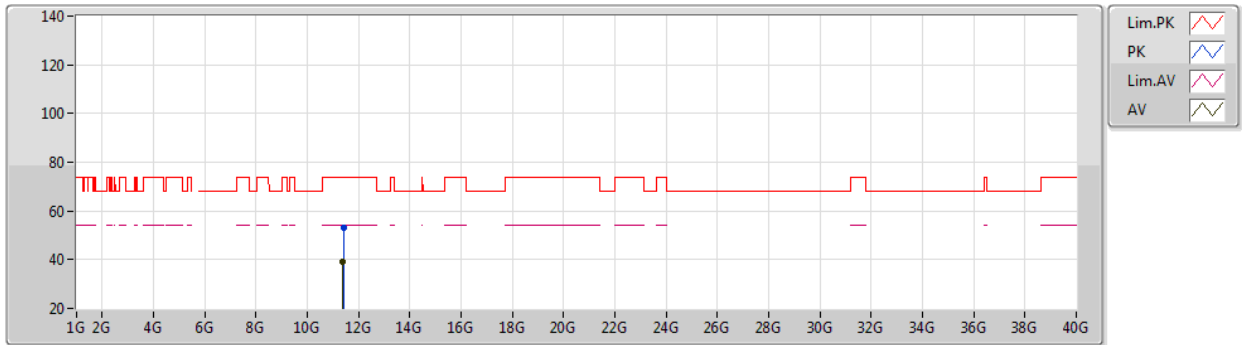

EUT Y_4TX
Setting 21
02-B-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.691G	118.60	Inf	-Inf	113.19	3	Vertical	52	1.36	-	31.76	5.11	31.46
AV	5.6916G	107.45	Inf	-Inf	102.03	3	Vertical	52	1.36	-	31.77	5.11	31.46
PK	5.7252G	66.55	68.20	-1.65	61.09	3	Vertical	52	1.36	-	31.85	5.07	31.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5700MHz_TX



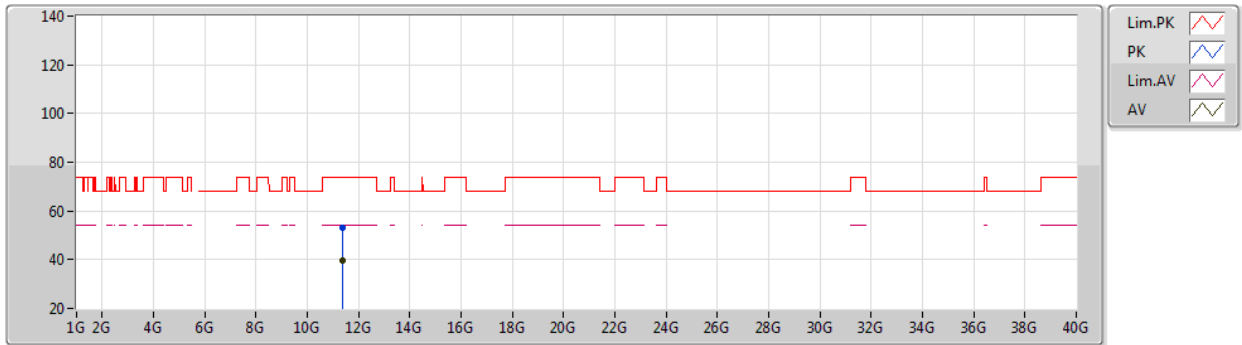
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Setting 21
02-B-C-4

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	11.40168G	53.15	74.00	-20.85	39.66	3	Vertical	243	2.98	-	38.80	7.59	32.90
AV	11.39196G	39.33	54.00	-14.67	25.84	3	Vertical	243	2.98	-	38.79	7.59	32.89

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

22/04/2021

5700MHz_TX



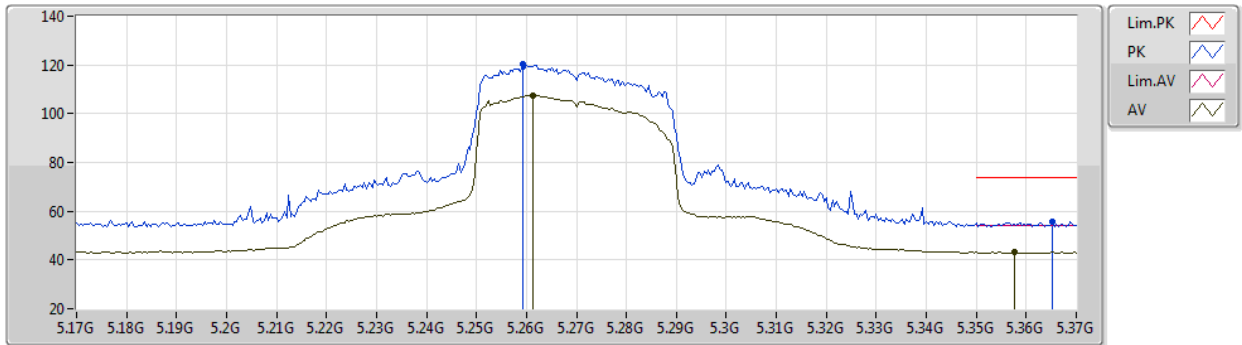
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Setting 21
02-B-C-4

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	11.39952G	52.97	74.00	-21.03	39.48	3	Horizontal	24	2.47	-	38.80	7.59	32.90
AV	11.3948G	39.40	54.00	-14.60	25.91	3	Horizontal	24	2.47	-	38.79	7.59	32.89

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5270MHz_TX



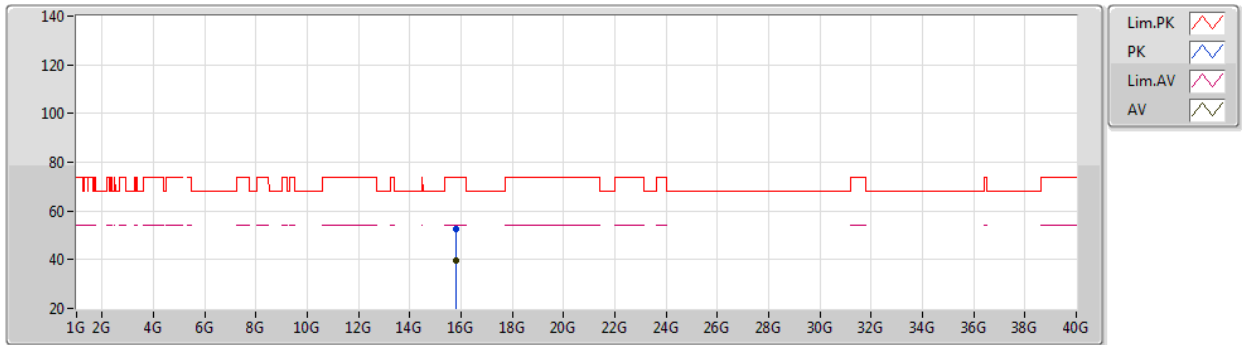
EUT Y_4TX
Setting 24
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2592G	120.19	Inf	-Inf	115.39	3	Vertical	0	1.80	-	31.38	5.07	31.65
AV	5.2612G	107.43	Inf	-Inf	102.63	3	Vertical	0	1.80	-	31.38	5.07	31.65
PK	5.3652G	55.73	74.00	-18.27	50.86	3	Vertical	0	1.80	-	31.42	5.02	31.57
AV	5.3576G	43.20	54.00	-10.80	38.40	3	Vertical	0	1.80	-	31.36	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5270MHz_TX



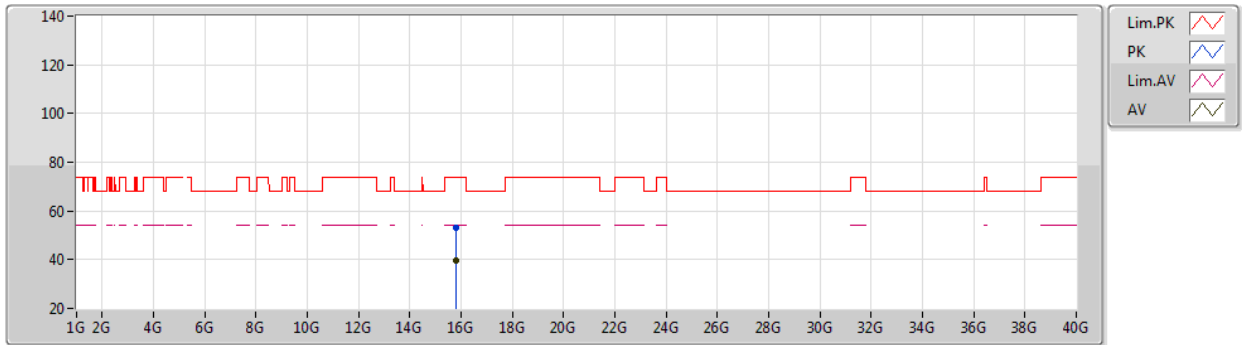
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Setting 24
02-B-C-4

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	15.81702G	52.52	74.00	-21.48	38.83	3	Vertical	198	1.58	-	37.42	9.14	32.87
AV	15.8205G	39.91	54.00	-14.09	26.22	3	Vertical	198	1.58	-	37.42	9.14	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5270MHz_TX



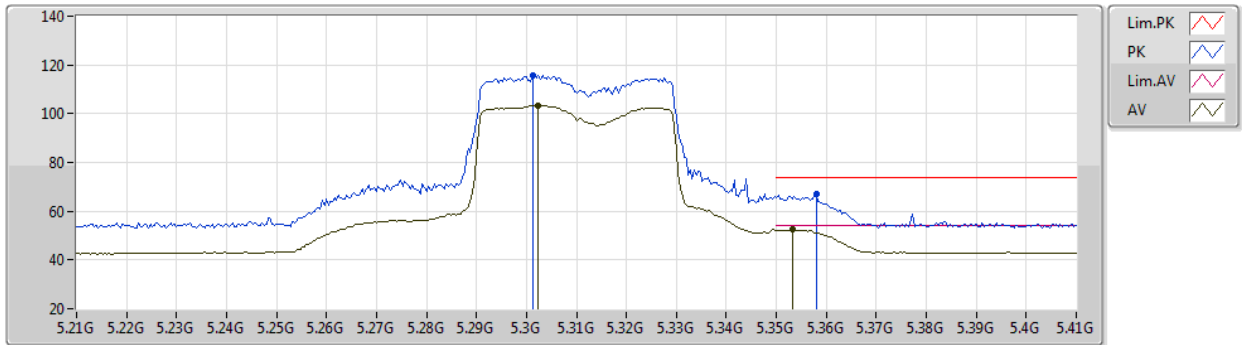
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Setting 24
02-B-C-4

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	15.81762G	52.90	74.00	-21.10	39.21	3	Horizontal	230	2.82	-	37.42	9.14	32.87
AV	15.8175G	39.71	54.00	-14.29	26.02	3	Horizontal	230	2.82	-	37.42	9.14	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5310MHz_TX



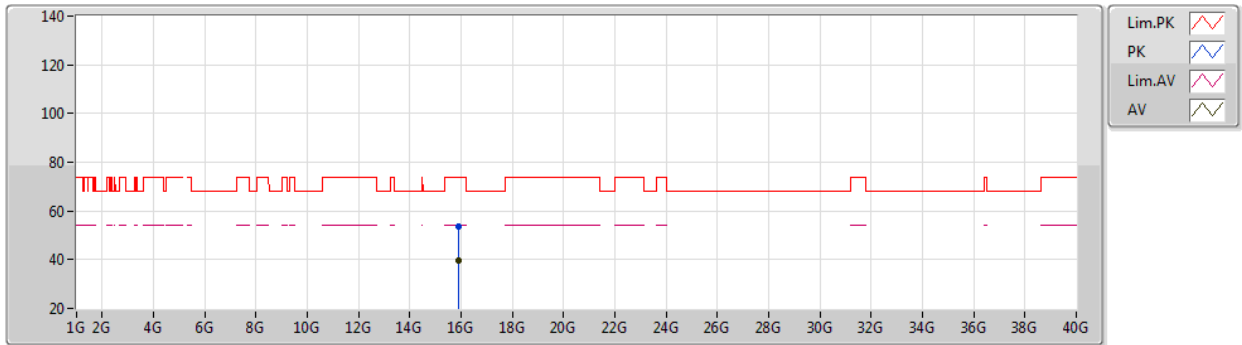
EUT Y_4TX
Setting 21
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3012G	115.87	Inf	-Inf	111.14	3	Vertical	331	1.73	-	31.30	5.05	31.62
AV	5.3024G	103.39	Inf	-Inf	98.66	3	Vertical	331	1.73	-	31.30	5.05	31.62
PK	5.358G	67.18	74.00	-6.82	62.38	3	Vertical	331	1.73	-	31.36	5.02	31.58
AV	5.3532G	52.33	54.00	-1.67	47.56	3	Vertical	331	1.73	-	31.33	5.02	31.58

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5310MHz_TX



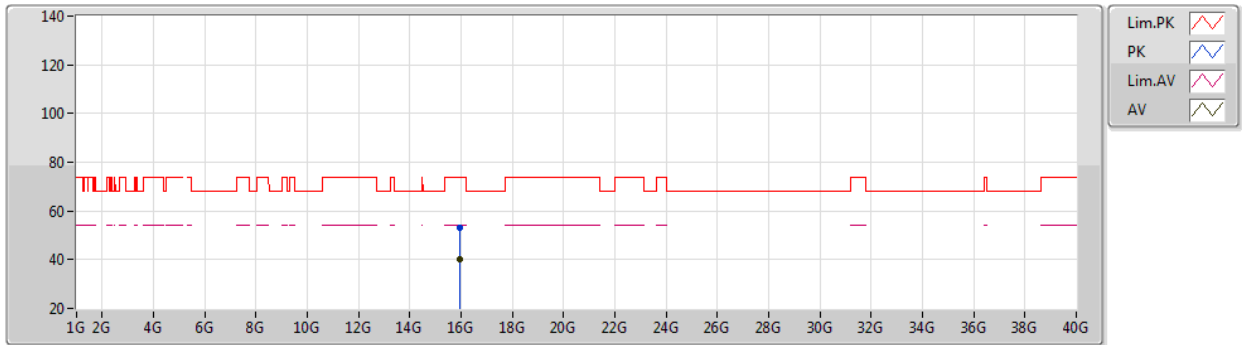
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Setting 21
02-B-C-4

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	15.92532G	53.61	74.00	-20.39	39.84	3	Vertical	288	1.29	-	37.47	9.17	32.87
AV	15.92064G	39.89	54.00	-14.11	26.11	3	Vertical	288	1.29	-	37.48	9.17	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5310MHz_TX



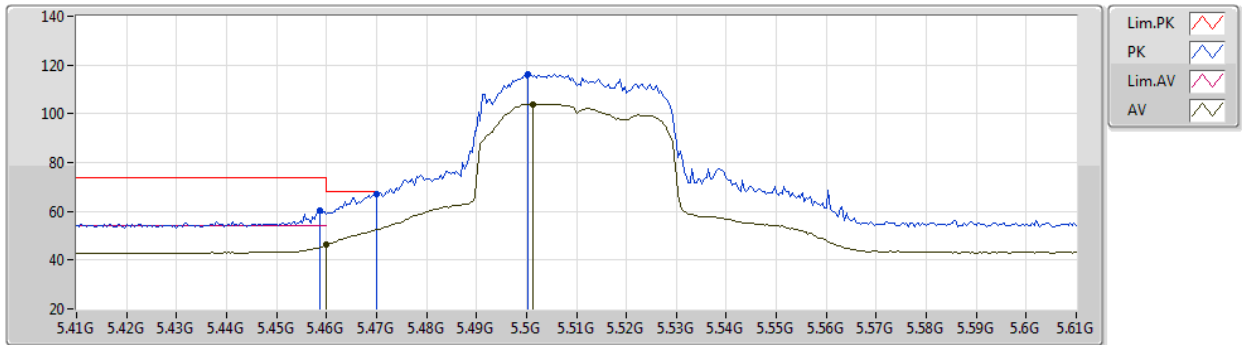
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Setting 21
02-B-C-4

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	15.927G	52.98	74.00	-21.02	39.21	3	Horizontal	137	1.15	-	37.47	9.17	32.87
AV	15.9366G	39.97	54.00	-14.03	26.20	3	Horizontal	137	1.15	-	37.46	9.18	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5510MHz_TX



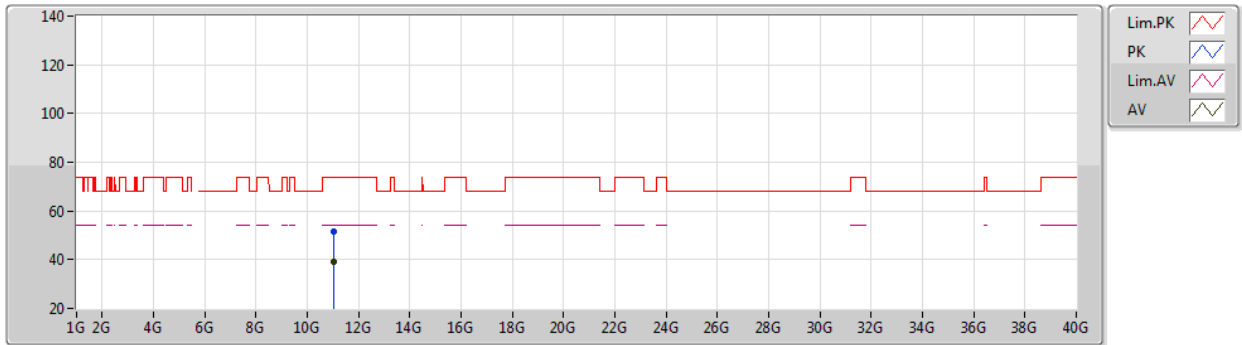
EUT Y_4TX
Setting 21
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4588G	60.36	74.00	-13.64	55.10	3	Vertical	329	1.80	-	31.70	5.06	31.50
AV	5.46G	46.13	54.00	-7.87	40.87	3	Vertical	329	1.80	-	31.70	5.06	31.50
PK	5.47G	66.91	68.20	-1.29	61.63	3	Vertical	329	1.80	-	31.70	5.07	31.49
PK	5.5004G	116.41	Inf	-Inf	111.08	3	Vertical	329	1.80	-	31.70	5.10	31.47
AV	5.5012G	104.04	Inf	-Inf	98.71	3	Vertical	329	1.80	-	31.70	5.10	31.47

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5510MHz_TX



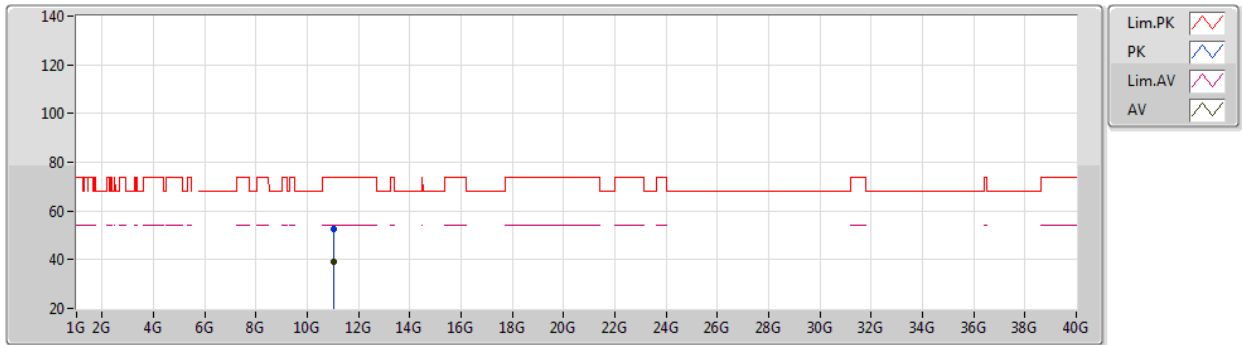
EUT_Z_4TX
Setting 21
02-B-C-4

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	11.02054G	51.76	74.00	-22.24	38.55	3	Vertical	78	2.75	-	38.52	7.46	32.77
AV	11.02606G	39.30	54.00	-14.70	26.08	3	Vertical	78	2.75	-	38.53	7.46	32.77

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5510MHz_TX



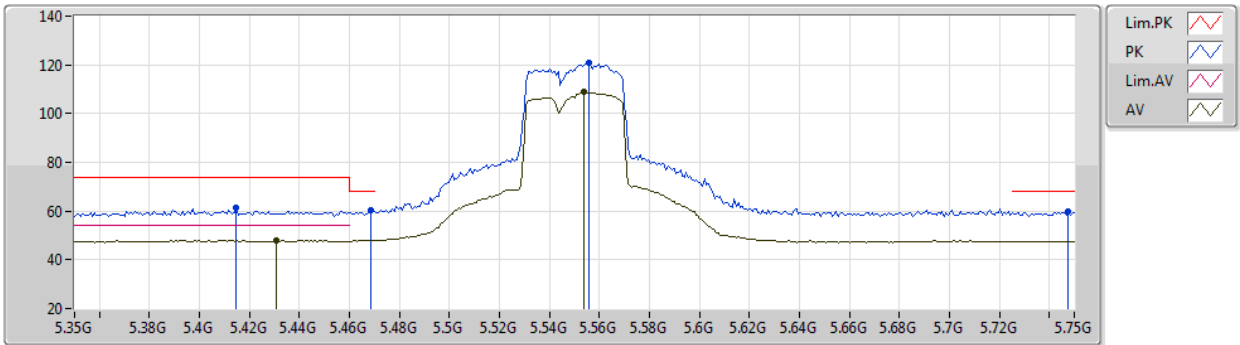
EUT_Z_4TX
Setting 21
02-B-C-4

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	11.01664G	52.56	74.00	-21.44	39.35	3	Horizontal	257	1.28	-	38.52	7.46	32.77
AV	11.01988G	39.18	54.00	-14.82	25.97	3	Horizontal	257	1.28	-	38.52	7.46	32.77

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5550MHz_TX

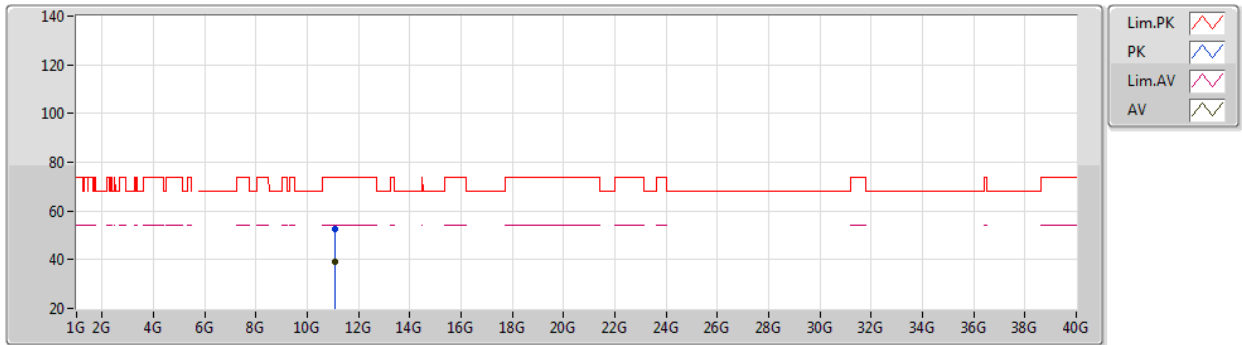

EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4148G	61.19	74.00	-12.81	55.15	3	Vertical	300	1.67	-	34.56	6.52	35.04
AV	5.4308G	47.96	54.00	-6.04	41.81	3	Vertical	300	1.67	-	34.62	6.55	35.02
PK	5.4684G	60.42	68.20	-7.78	54.14	3	Vertical	300	1.67	-	34.66	6.60	34.98
PK	5.5556G	120.76	Inf	-Inf	114.40	3	Vertical	300	1.67	-	34.58	6.73	34.95
AV	5.554G	108.72	Inf	-Inf	102.36	3	Vertical	300	1.67	-	34.58	6.73	34.95
PK	5.7476G	60.07	68.20	-8.13	53.74	3	Vertical	300	1.67	-	34.40	6.87	34.94

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5550MHz_TX



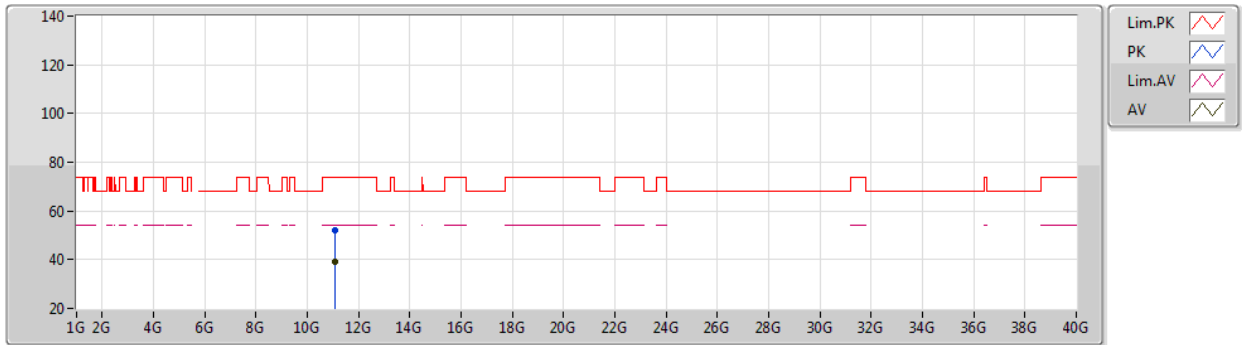
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.09142G	52.37	74.00	-21.63	39.09	3	Vertical	122	2.41	-	38.59	7.48	32.79
AV	11.0853G	39.32	54.00	-14.68	26.04	3	Vertical	122	2.41	-	38.59	7.48	32.79

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5550MHz_TX



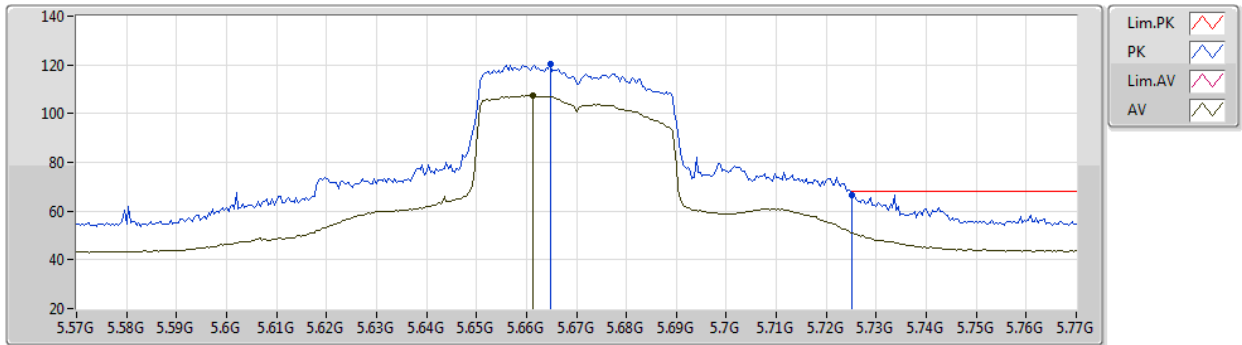
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Setting 24
02-B-C-4

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	11.09886G	52.06	74.00	-21.94	38.77	3	Horizontal	300	2.91	-	38.60	7.48	32.79
AV	11.08722G	39.33	54.00	-14.67	26.05	3	Horizontal	300	2.91	-	38.59	7.48	32.79

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5670MHz_TX



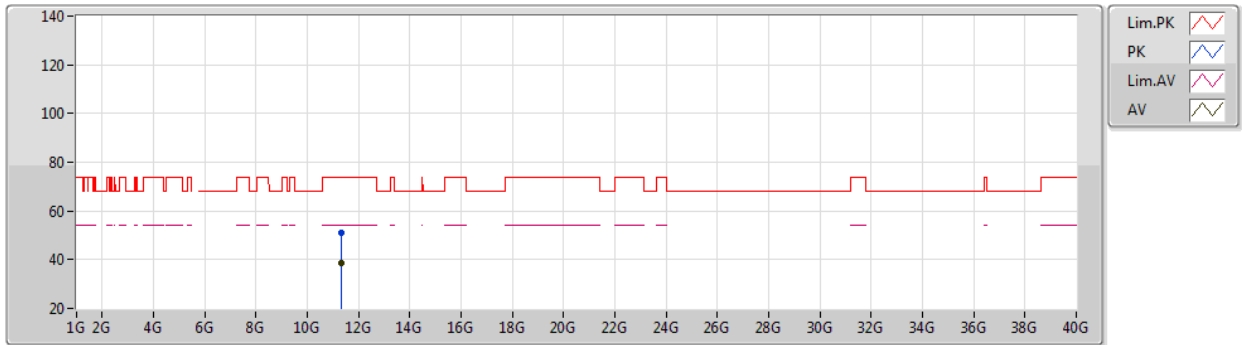
EUT Y_4TX
Setting 24
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6648G	120.13	Inf	-Inf	114.79	3	Vertical	308	1.80	-	31.66	5.14	31.46
AV	5.6612G	107.41	Inf	-Inf	102.09	3	Vertical	308	1.80	-	31.64	5.14	31.46
PK	5.7252G	66.76	68.20	-1.44	61.30	3	Vertical	308	1.80	-	31.85	5.07	31.46

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5670MHz_TX



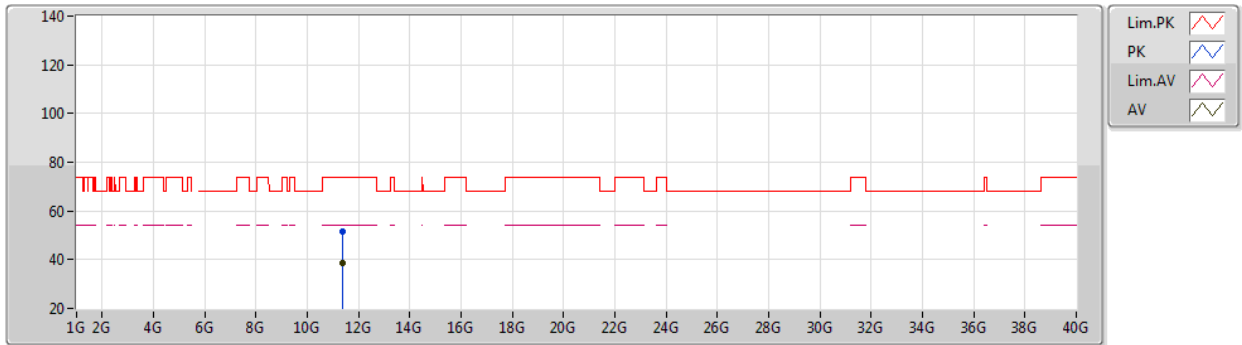
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.32638G	51.27	74.00	-22.73	37.85	3	Vertical	273	2.01	-	38.73	7.56	32.87
AV	11.32436G	38.55	54.00	-15.45	25.14	3	Vertical	273	2.01	-	38.72	7.56	32.87

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5670MHz_TX

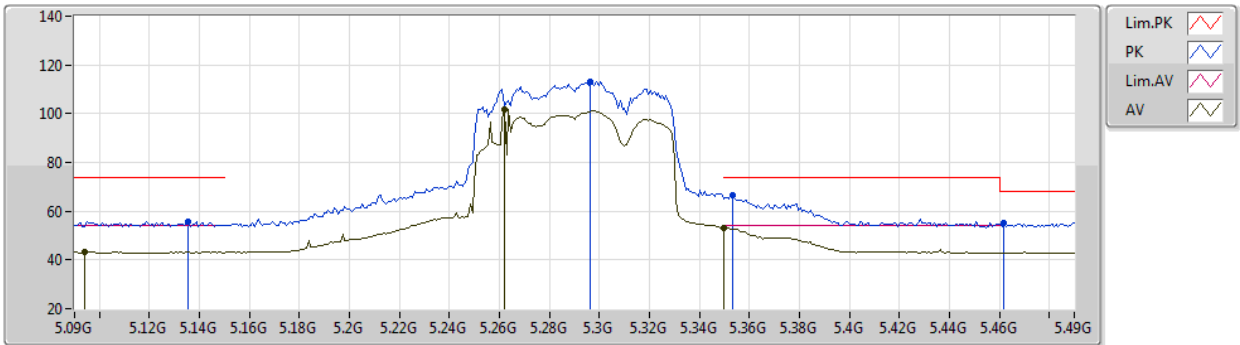

EUT_Z_4TX
Setting 24
02-B-C-4

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	11.3532G	51.62	74.00	-22.38	38.18	3	Horizontal	259	1.04	-	38.75	7.57	32.88
AV	11.35484G	38.64	54.00	-15.36	25.20	3	Horizontal	259	1.04	-	38.75	7.57	32.88

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5290MHz_TX



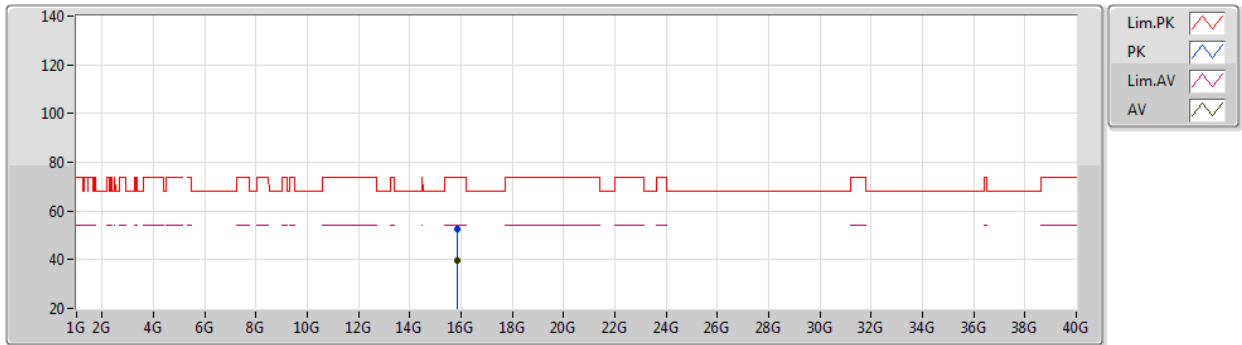
EUT Y_4TX
Setting 21
02-B-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1356G	55.83	74.00	-18.17	50.74	3	Vertical	12	1.90	-	31.86	4.97	31.74
AV	5.094G	43.28	54.00	-10.72	38.17	3	Vertical	12	1.90	-	31.99	4.89	31.77
PK	5.2964G	113.25	Inf	-Inf	108.51	3	Vertical	12	1.90	-	31.31	5.05	31.62
AV	5.262G	101.84	Inf	-Inf	97.04	3	Vertical	12	1.90	-	31.38	5.07	31.65
PK	5.3532G	66.64	74.00	-7.36	61.87	3	Vertical	12	1.90	-	31.33	5.02	31.58
AV	5.35G	52.99	54.00	-1.01	48.24	3	Vertical	12	1.90	-	31.30	5.03	31.58
PK	5.462G	55.40	68.20	-12.80	50.14	3	Vertical	12	1.90	-	31.70	5.06	31.50

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5290MHz_TX



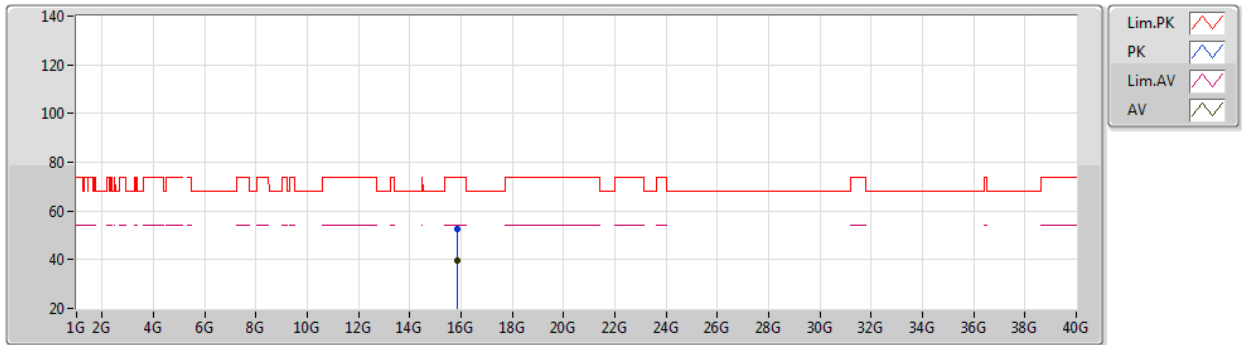
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Setting 21
02-B-C-4

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	15.86496G	52.82	74.00	-21.18	39.08	3	Vertical	252	1.72	-	37.46	9.15	32.87
AV	15.86556G	39.79	54.00	-14.21	26.04	3	Vertical	252	1.72	-	37.47	9.15	32.87

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5290MHz_TX



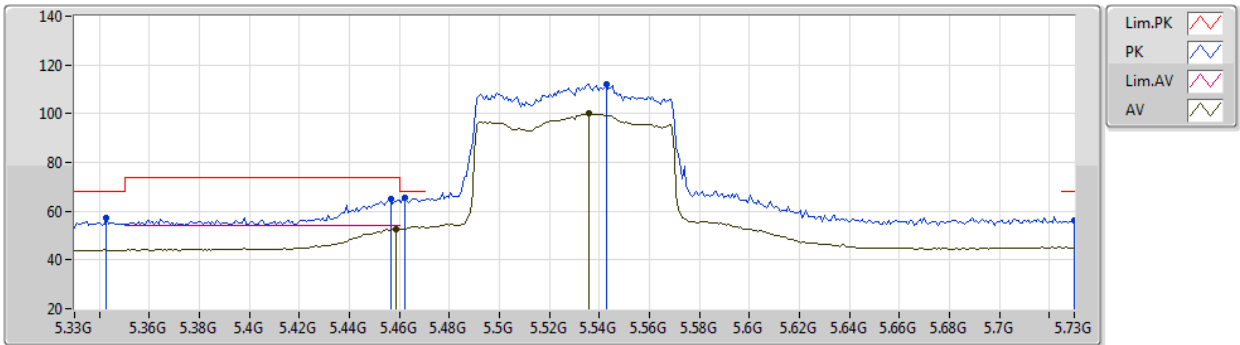
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Setting 21
02-B-C-4

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	15.86784G	52.33	74.00	-21.67	38.58	3	Horizontal	115	2.12	-	37.47	9.15	32.87
AV	15.87306G	39.79	54.00	-14.21	26.03	3	Horizontal	115	2.12	-	37.47	9.16	32.87

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

28/04/2021

5530MHz_TX

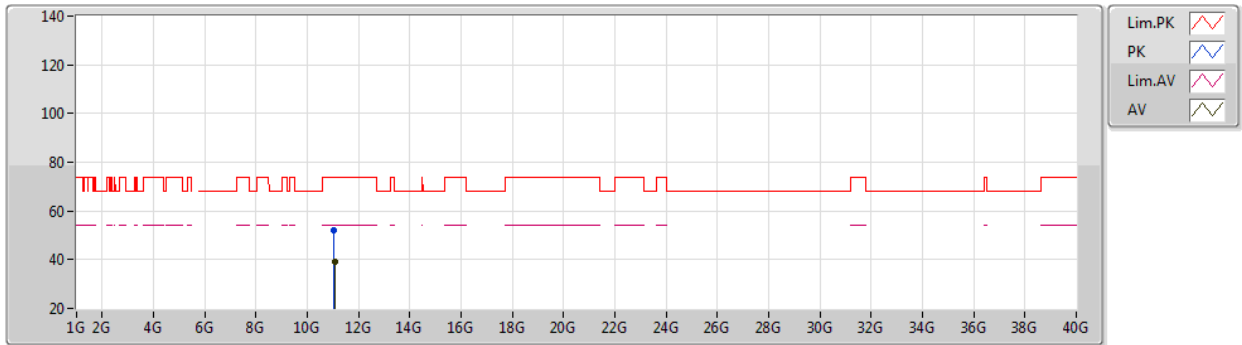

EUT Y_4TX
Setting 20
06-D-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3428G	57.04	68.20	-11.16	52.60	3	Vertical	328	1.79	-	31.20	5.00	31.76
PK	5.4564G	64.99	74.00	-9.01	60.16	3	Vertical	328	1.79	-	31.61	5.06	31.84
AV	5.4588G	52.69	54.00	-1.31	47.85	3	Vertical	328	1.79	-	31.62	5.06	31.84
PK	5.462G	65.69	68.20	-2.51	60.85	3	Vertical	328	1.79	-	31.62	5.06	31.84
PK	5.5428G	112.10	Inf	-Inf	107.28	3	Vertical	328	1.79	-	31.53	5.14	31.85
AV	5.5356G	100.18	Inf	-Inf	95.33	3	Vertical	328	1.79	-	31.56	5.14	31.85
PK	5.73G	56.31	68.20	-11.89	50.99	3	Vertical	328	1.79	-	31.82	5.26	31.76

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

19/05/2021

5530MHz_TX



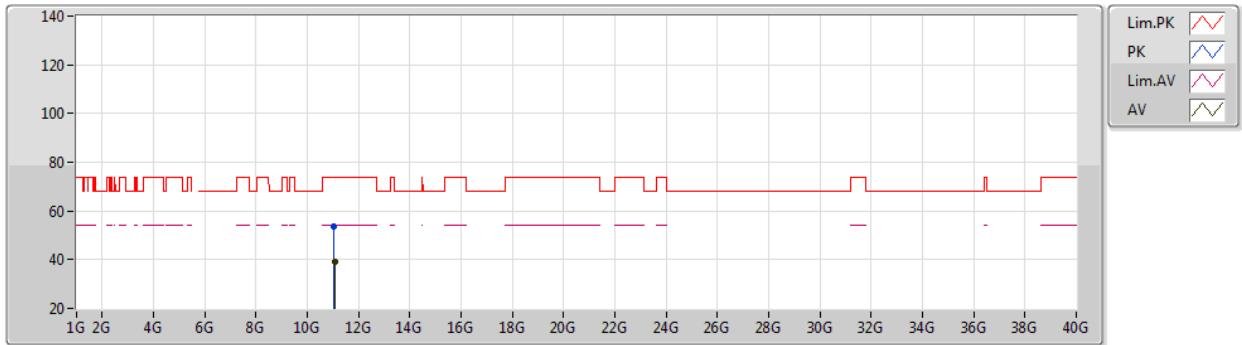
EUT_Z_4TX
Setting 20
02-B-C-4

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	11.0531G	52.26	74.00	-21.74	39.02	3	Vertical	113	1.96	-	38.55	7.47	32.78
AV	11.05766G	39.20	54.00	-14.80	25.95	3	Vertical	113	1.96	-	38.56	7.47	32.78

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

19/05/2021

5530MHz_TX



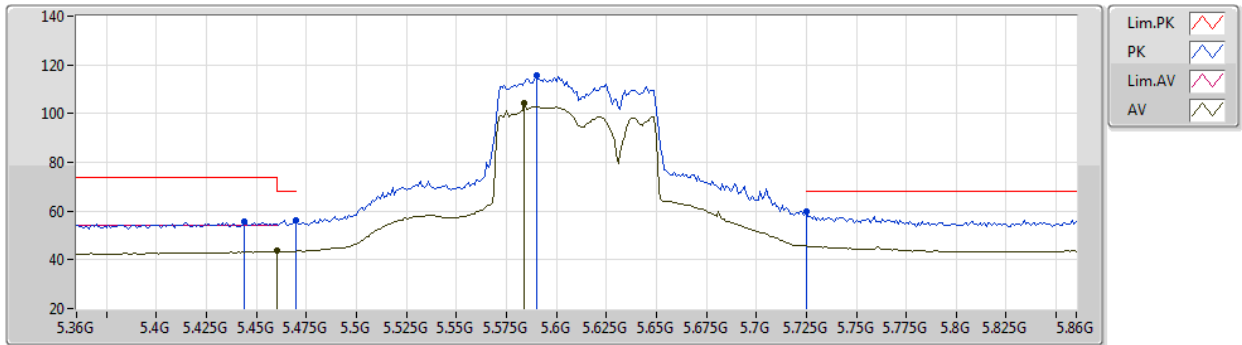
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Setting 20
02-B-C-4

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	11.04992G	53.38	74.00	-20.62	40.14	3	Horizontal	13	1.68	-	38.55	7.47	32.78
AV	11.06192G	39.16	54.00	-14.84	25.91	3	Horizontal	13	1.68	-	38.56	7.47	32.78

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5610MHz_TX

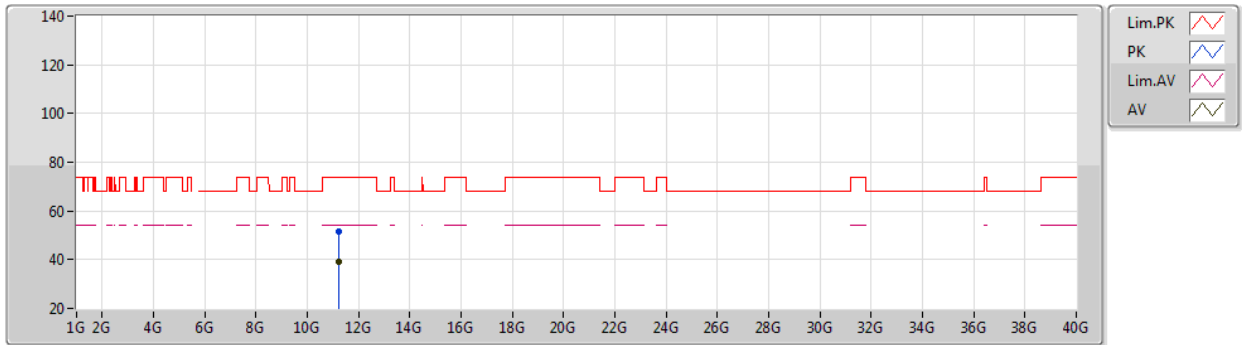

EUT Y_4TX
Setting 24
02-B-E-2-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.444G	55.59	74.00	-18.41	50.36	3	Vertical	11	1.40	-	31.70	5.04	31.51
PK	5.47G	56.19	68.20	-12.01	50.91	3	Vertical	11	1.40	-	31.70	5.07	31.49
AV	5.46G	43.58	54.00	-10.42	38.32	3	Vertical	11	1.40	-	31.70	5.06	31.50
PK	5.59G	115.50	Inf	-Inf	110.18	3	Vertical	11	1.40	-	31.60	5.19	31.47
AV	5.584G	104.18	Inf	-Inf	98.87	3	Vertical	11	1.40	-	31.60	5.18	31.47
PK	5.725G	59.64	68.20	-8.56	54.17	3	Vertical	11	1.40	-	31.85	5.08	31.46

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5610MHz_TX



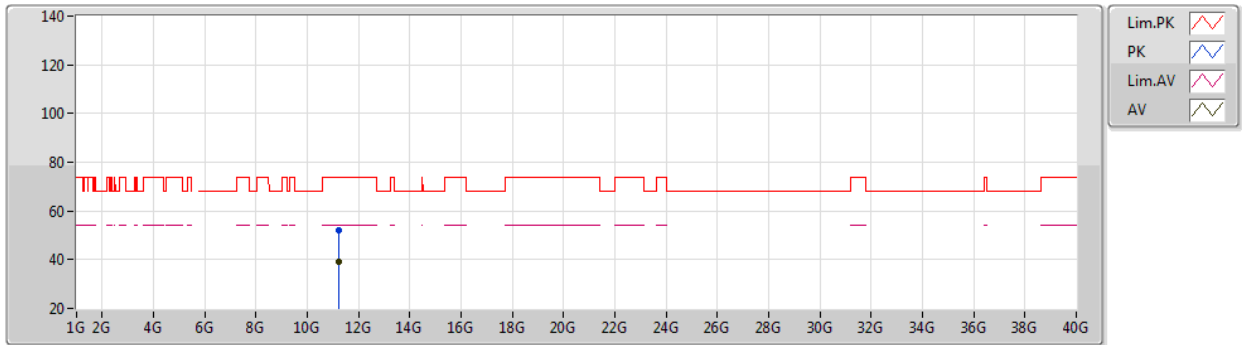
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Setting 24
02-B-C-4

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	11.21508G	51.48	74.00	-22.52	38.08	3	Vertical	314	2.66	-	38.70	7.53	32.83
AV	11.22012G	38.97	54.00	-15.03	25.57	3	Vertical	314	2.66	-	38.70	7.53	32.83

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5610MHz_TX



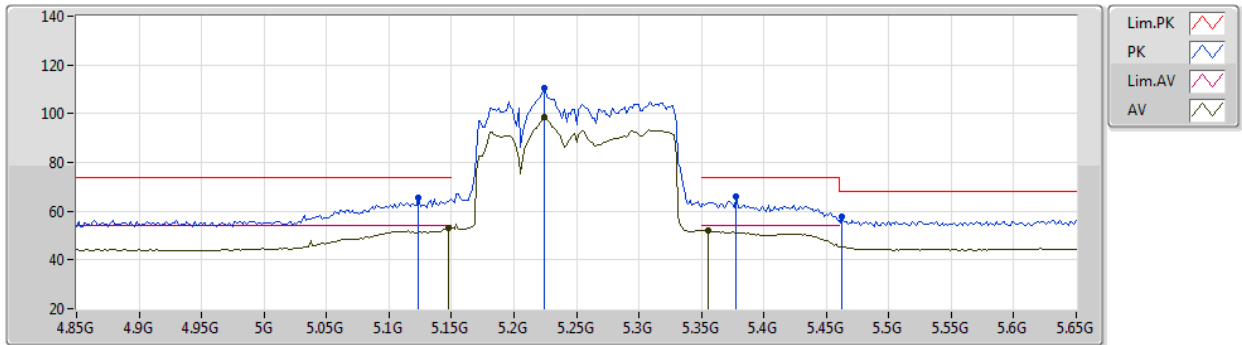
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.22522G	52.10	74.00	-21.90	38.71	3	Horizontal	102	1.38	-	38.70	7.53	32.84
AV	11.21658G	38.90	54.00	-15.10	25.50	3	Horizontal	102	1.38	-	38.70	7.53	32.83

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

28/04/2021

5250MHz_TX

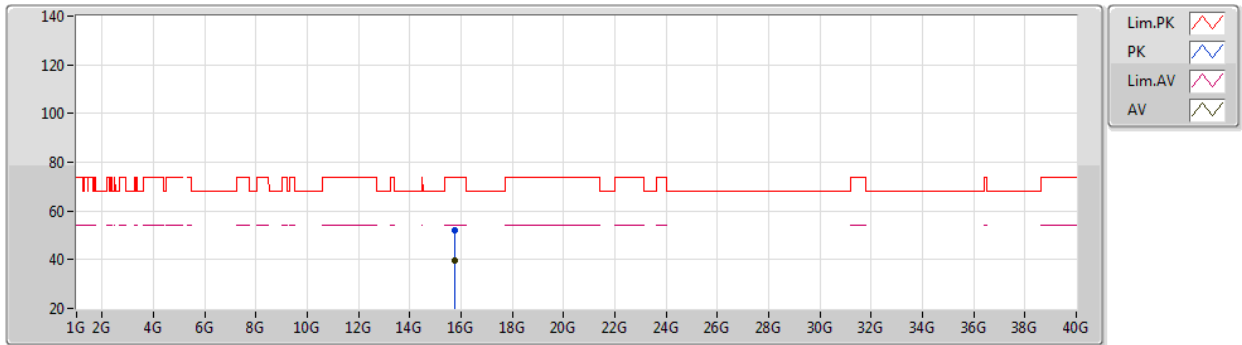

EUT Y_4TX
Setting 20
06-D-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1236G	65.38	74.00	-8.62	60.19	3	Vertical	0	1.87	-	31.80	5.00	31.61
AV	5.1476G	52.85	54.00	-1.15	47.68	3	Vertical	0	1.87	-	31.80	5.00	31.63
PK	5.2244G	110.31	Inf	-Inf	105.54	3	Vertical	0	1.87	-	31.45	5.00	31.68
AV	5.2244G	98.46	Inf	-Inf	93.69	3	Vertical	0	1.87	-	31.45	5.00	31.68
PK	5.378G	66.09	74.00	-7.91	61.51	3	Vertical	0	1.87	-	31.37	5.00	31.79
AV	5.3556G	52.30	54.00	-1.70	47.84	3	Vertical	0	1.87	-	31.23	5.00	31.77
PK	5.4628G	57.82	68.20	-10.38	52.97	3	Vertical	0	1.87	-	31.63	5.06	31.84

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

19/05/2021

5250MHz_TX



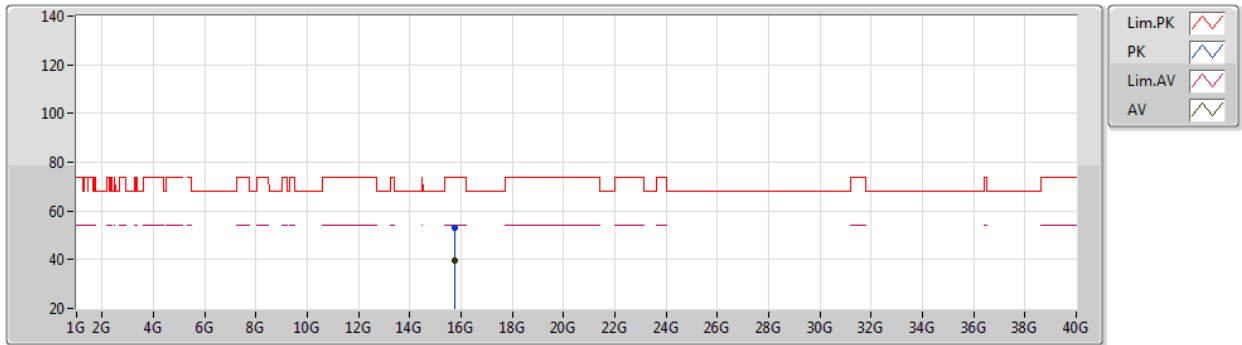
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Setting 20
02-B-C-4

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	15.76032G	52.11	74.00	-21.89	38.45	3	Vertical	269	1.02	-	37.40	9.12	32.86
AV	15.75294G	39.52	54.00	-14.48	25.87	3	Vertical	269	1.02	-	37.40	9.11	32.86

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

19/05/2021

5250MHz_TX



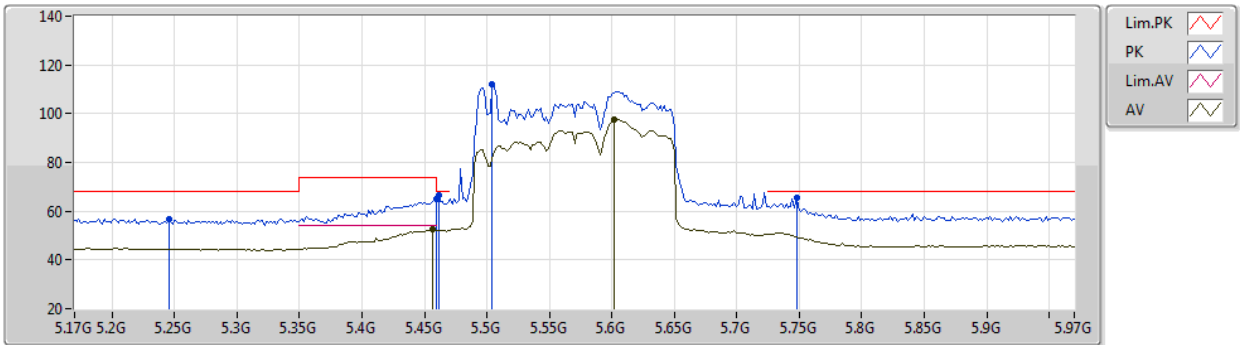
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Setting 20
02-B-C-4

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	15.75528G	53.17	74.00	-20.83	39.52	3	Horizontal	339	1.48	-	37.40	9.11	32.86
AV	15.76368G	39.53	54.00	-14.47	25.87	3	Horizontal	339	1.48	-	37.40	9.12	32.86

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

28/04/2021

5570MHz_TX

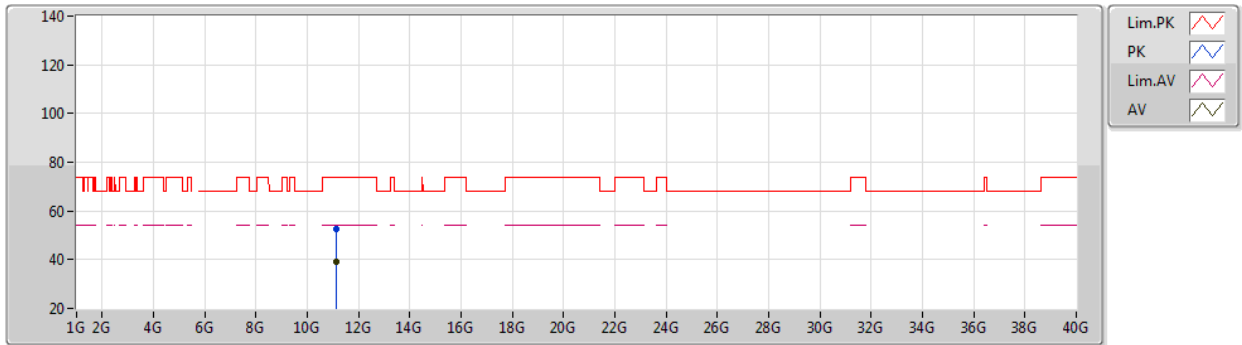

EUT Y_4TX
Setting 20
06-D-C-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2452G	56.97	68.20	-11.23	52.34	3	Vertical	181	1.53	-	31.33	5.00	31.70
PK	5.4596G	65.22	74.00	-8.78	60.38	3	Vertical	181	1.53	-	31.62	5.06	31.84
AV	5.4564G	52.36	54.00	-1.64	47.53	3	Vertical	181	1.53	-	31.61	5.06	31.84
PK	5.4612G	66.31	68.20	-1.89	61.47	3	Vertical	181	1.53	-	31.62	5.06	31.84
PK	5.5044G	111.82	Inf	-Inf	106.91	3	Vertical	181	1.53	-	31.68	5.10	31.87
AV	5.602G	97.54	Inf	-Inf	92.66	3	Vertical	181	1.53	-	31.50	5.20	31.82
PK	5.7476G	65.31	68.20	-2.89	59.90	3	Vertical	181	1.53	-	31.89	5.27	31.75

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

19/05/2021

5570MHz_TX



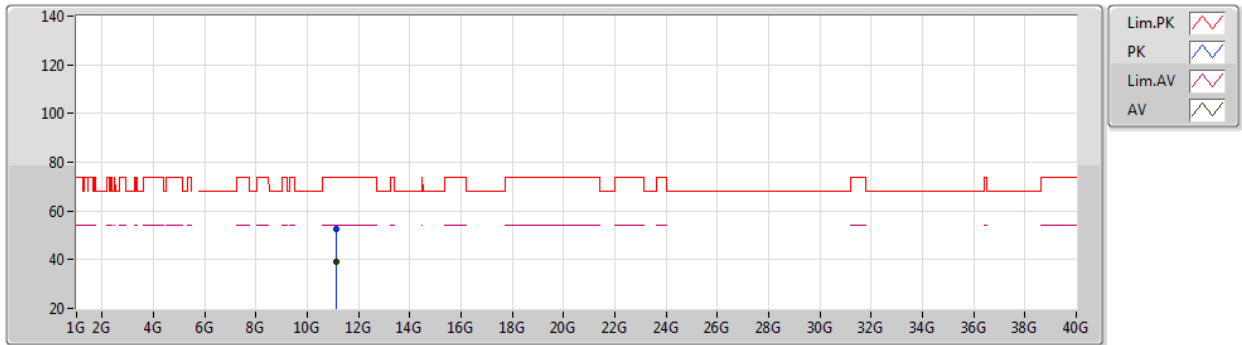
EUT_Z_4TX
Setting 20
02-B-C-4

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	11.14072G	52.41	74.00	-21.59	39.08	3	Vertical	216	1.23	-	38.64	7.50	32.81
AV	11.1415G	39.24	54.00	-14.76	25.91	3	Vertical	216	1.23	-	38.64	7.50	32.81

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

19/05/2021

5570MHz_TX



EUT_Z_4TX
Setting 20
02-B-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	11.13592G	52.82	74.00	-21.18	39.49	3	Horizontal	340	2.31	-	38.64	7.50	32.81
AV	11.13296G	39.22	54.00	-14.78	25.90	3	Horizontal	340	2.31	-	38.63	7.50	32.81



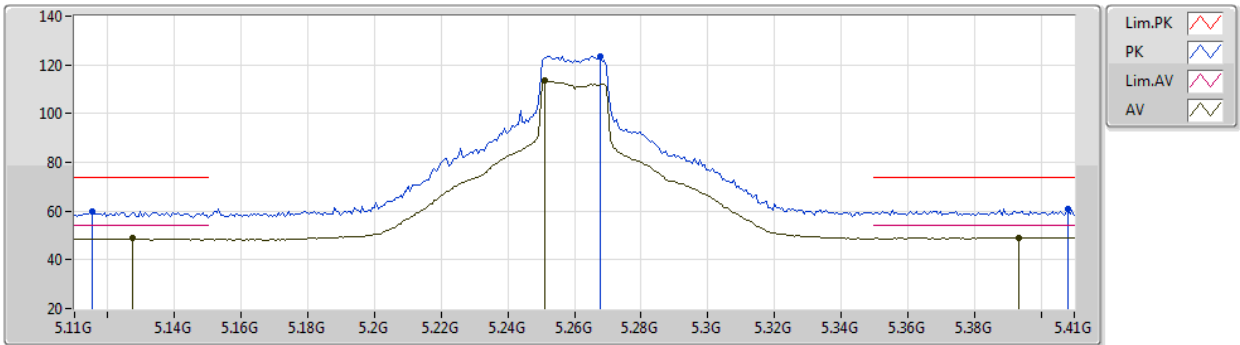
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	Pass	PK	5.47G	67.15	68.20	-1.05	3	Vertical	360	1.77	-

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5260MHz_TX



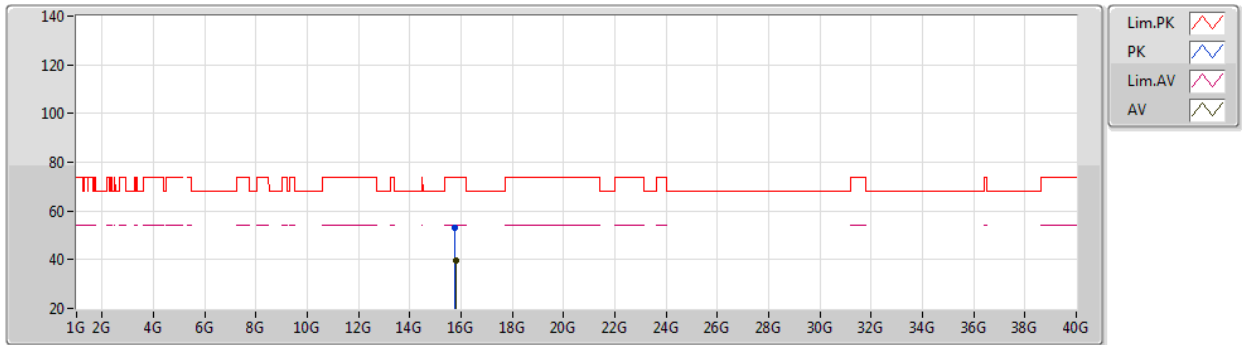
EUT Y_4TX
Setting 24
04-L-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1154G	59.82	74.00	-14.18	54.21	3	Vertical	7	2.01	-	32.80	5.62	32.81
AV	5.1274G	48.71	54.00	-5.29	43.08	3	Vertical	7	2.01	-	32.80	5.63	32.80
PK	5.2678G	123.56	Inf	-Inf	117.64	3	Vertical	7	2.01	-	32.94	5.73	32.75
AV	5.251G	113.59	Inf	-Inf	107.72	3	Vertical	7	2.01	-	32.90	5.73	32.76
PK	5.4082G	60.96	74.00	-13.04	54.43	3	Vertical	7	2.01	-	33.43	5.80	32.70
AV	5.3932G	49.13	54.00	-4.87	42.69	3	Vertical	7	2.01	-	33.35	5.80	32.71

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5260MHz_TX



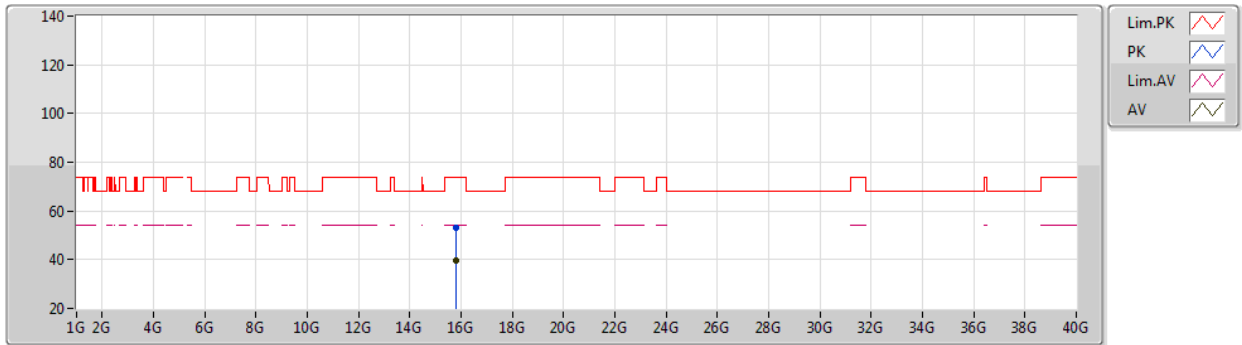
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.77346G	53.11	74.00	-20.89	39.45	3	Vertical	275	1.80	-	37.40	9.12	32.86
AV	15.78582G	39.70	54.00	-14.30	26.03	3	Vertical	275	1.80	-	37.40	9.13	32.86

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5260MHz_TX



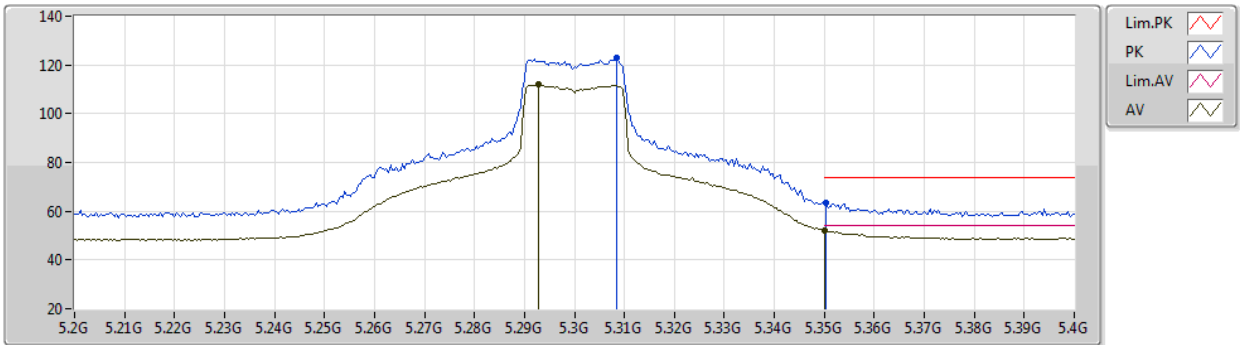
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.79296G	53.09	74.00	-20.91	39.42	3	Horizontal	37	1.59	-	37.40	9.13	32.86
AV	15.79068G	39.75	54.00	-14.25	26.08	3	Horizontal	37	1.59	-	37.40	9.13	32.86

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5300MHz_TX



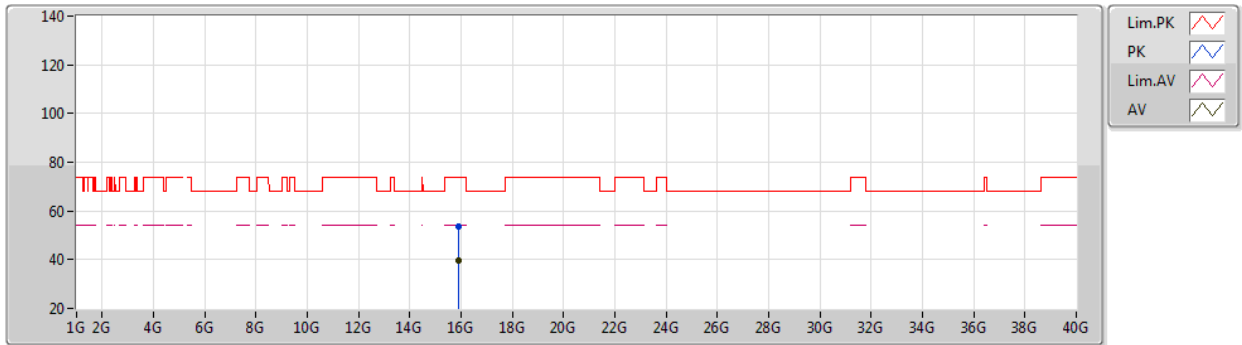
EUT Y_4TX
Setting 24
04-L-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3084G	122.73	Inf	-Inf	116.72	3	Vertical	10	1.92	-	33.00	5.75	32.74
AV	5.2928G	111.88	Inf	-Inf	105.88	3	Vertical	10	1.92	-	32.99	5.75	32.74
PK	5.3504G	63.19	74.00	-10.81	57.13	3	Vertical	10	1.92	-	33.00	5.78	32.72
AV	5.35G	51.93	54.00	-2.07	45.87	3	Vertical	10	1.92	-	33.00	5.78	32.72

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5300MHz_TX

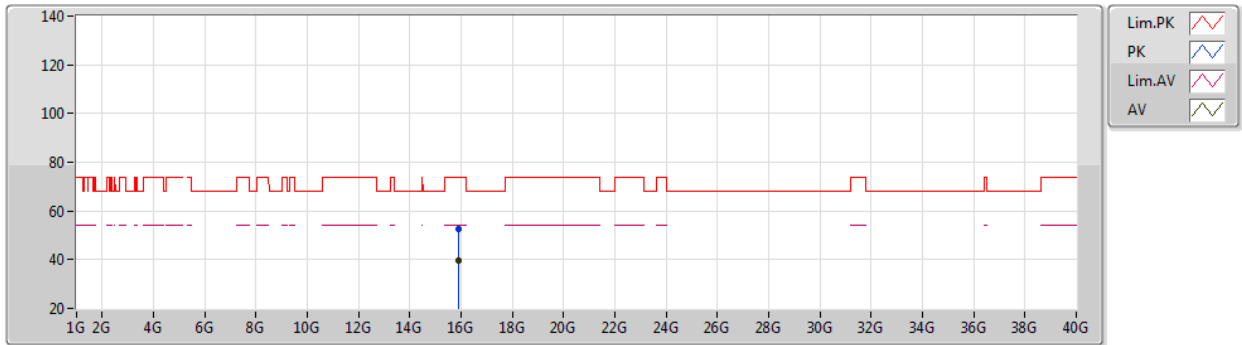

EUT_Z_4TX
Setting 24
02-B-C-4

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	15.88644G	53.71	74.00	-20.29	39.93	3	Vertical	169	1.23	-	37.49	9.16	32.87
AV	15.90834G	39.63	54.00	-14.37	25.84	3	Vertical	169	1.23	-	37.49	9.17	32.87

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5300MHz_TX



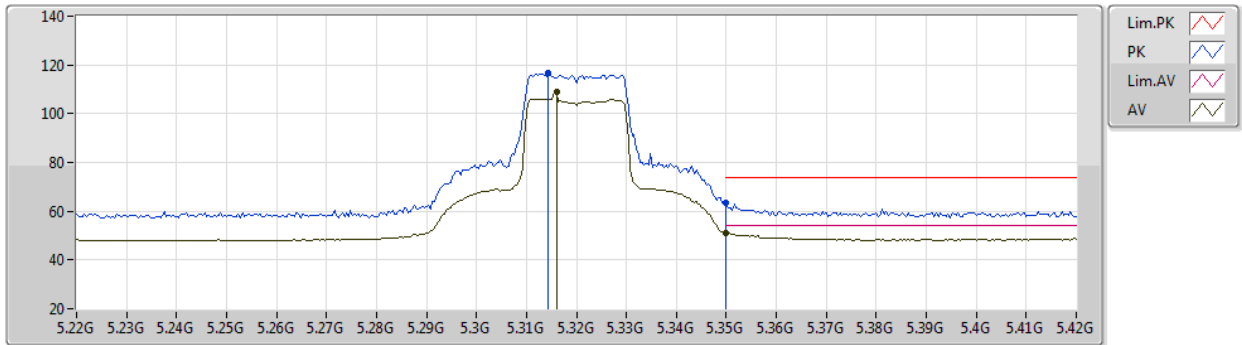
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.91416G	52.40	74.00	-21.60	38.61	3	Horizontal	252	2.92	-	37.49	9.17	32.87
AV	15.88656G	39.88	54.00	-14.12	26.10	3	Horizontal	252	2.92	-	37.49	9.16	32.87

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5320MHz_TX

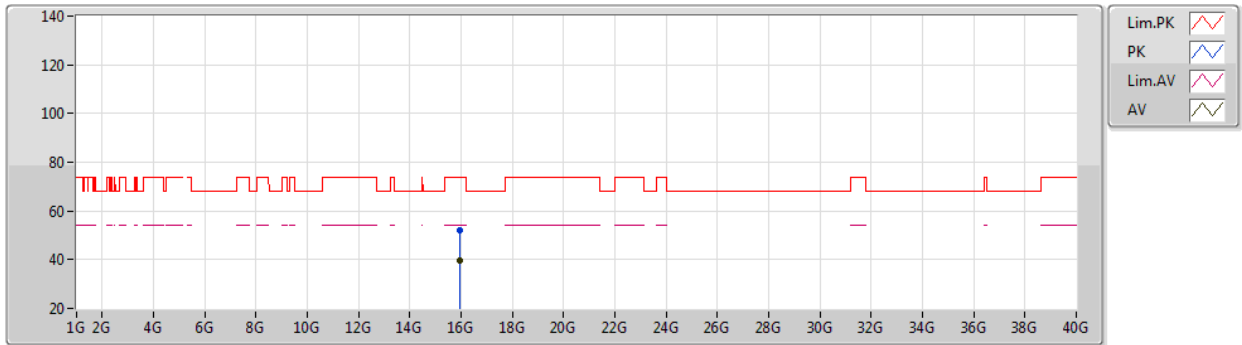

EUT Y_4TX
Setting 24
04-L-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3144G	116.75	Inf	-Inf	110.73	3	Vertical	324	1.80	-	33.00	5.76	32.74
AV	5.316G	108.83	Inf	-Inf	102.81	3	Vertical	324	1.80	-	33.00	5.76	32.74
PK	5.35G	63.33	74.00	-10.67	57.27	3	Vertical	324	1.80	-	33.00	5.78	32.72
AV	5.35G	51.11	54.00	-2.89	45.05	3	Vertical	324	1.80	-	33.00	5.78	32.72

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5320MHz_TX



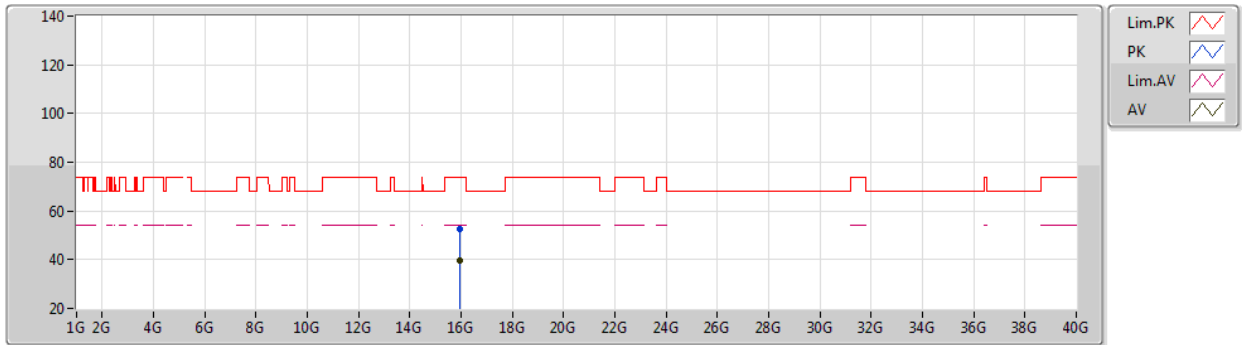
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.96636G	52.24	74.00	-21.76	38.50	3	Vertical	232	1.98	-	37.43	9.19	32.88
AV	15.95844G	39.65	54.00	-14.35	25.90	3	Vertical	232	1.98	-	37.44	9.19	32.88

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5320MHz_TX



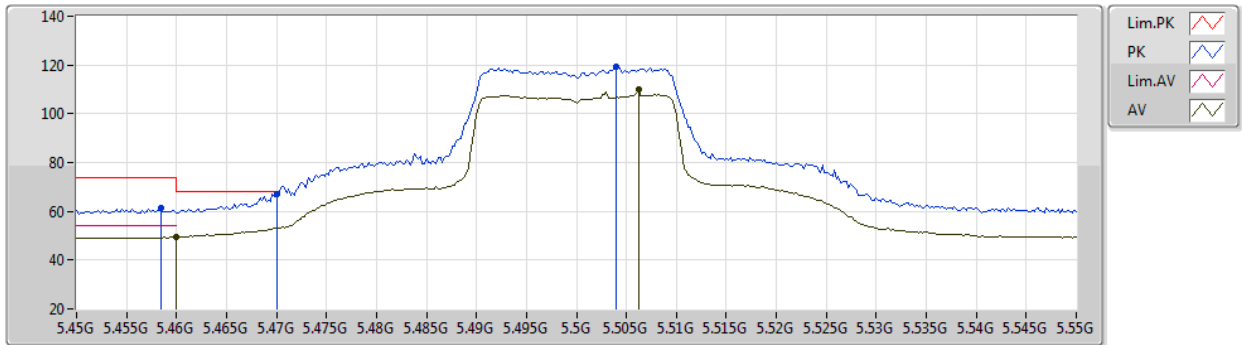
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Setting 24
02-B-C-4

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	15.94896G	52.72	74.00	-21.28	38.97	3	Horizontal	76	1.43	-	37.45	9.18	32.88
AV	15.94806G	39.66	54.00	-14.34	25.91	3	Horizontal	76	1.43	-	37.45	9.18	32.88

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5500MHz_TX



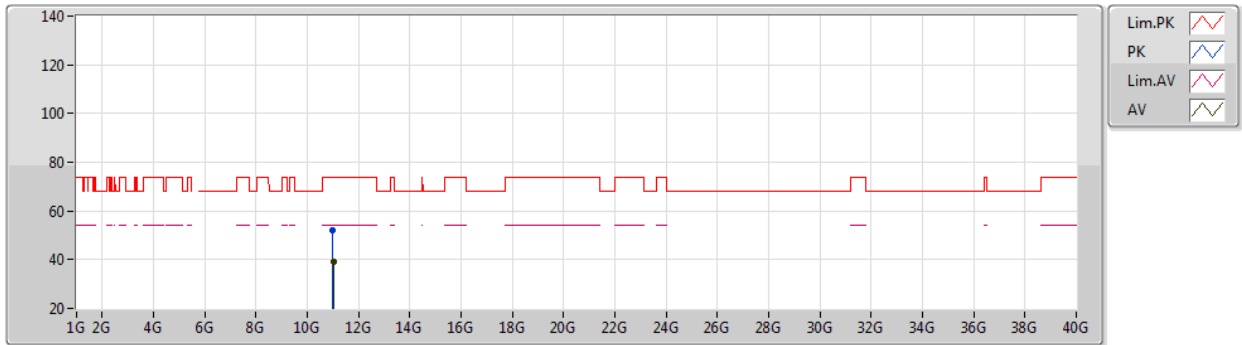
EUT Y_4TX
Setting 24
04-L-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4584G	61.38	74.00	-12.62	54.60	3	Vertical	360	1.77	-	33.63	5.83	32.68
AV	5.46G	49.56	54.00	-4.44	42.77	3	Vertical	360	1.77	-	33.64	5.83	32.68
PK	5.47G	67.15	68.20	-1.05	60.32	3	Vertical	360	1.77	-	33.68	5.83	32.68
PK	5.504G	119.39	Inf	-Inf	112.41	3	Vertical	360	1.77	-	33.80	5.85	32.67
AV	5.5062G	110.20	Inf	-Inf	103.22	3	Vertical	360	1.77	-	33.80	5.85	32.67

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5500MHz_TX

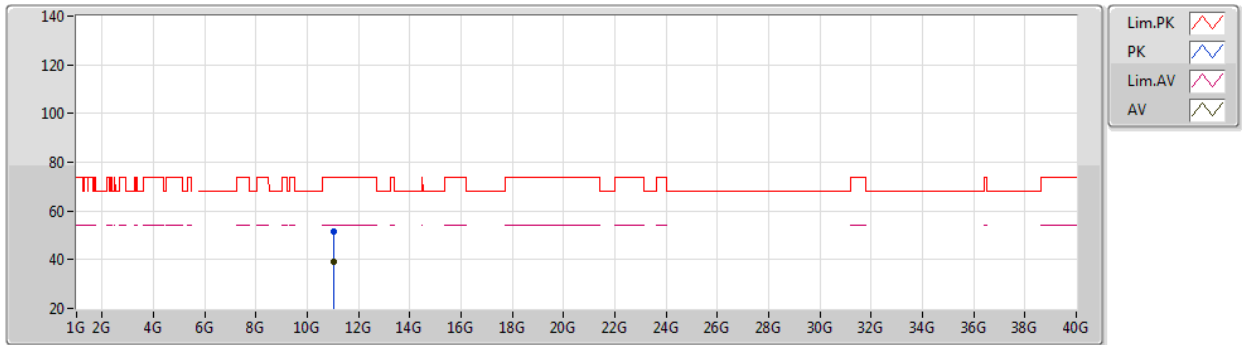

EUT_Z_4TX
Setting 24
02-B-C-4

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	11.00402G	51.96	74.00	-22.04	38.77	3	Vertical	261	2.93	-	38.50	7.45	32.76
AV	11.01476G	38.96	54.00	-15.04	25.76	3	Vertical	261	2.93	-	38.51	7.46	32.77

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5500MHz_TX



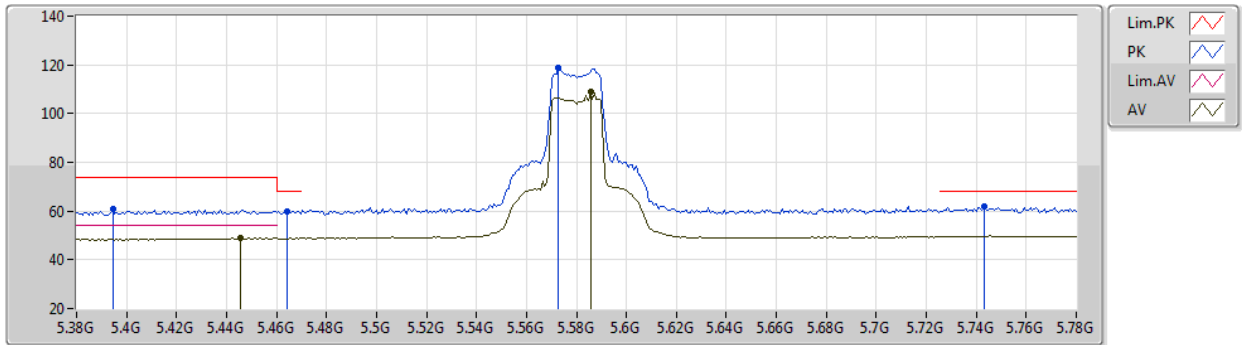
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.01374G	51.53	74.00	-22.47	38.33	3	Horizontal	104	2.51	-	38.51	7.45	32.76
AV	11.0144G	39.11	54.00	-14.89	25.90	3	Horizontal	104	2.51	-	38.51	7.46	32.76

802.11ax HEW20_Nss4,(MCS0)_4TX

04/05/2021

5580MHz_TX

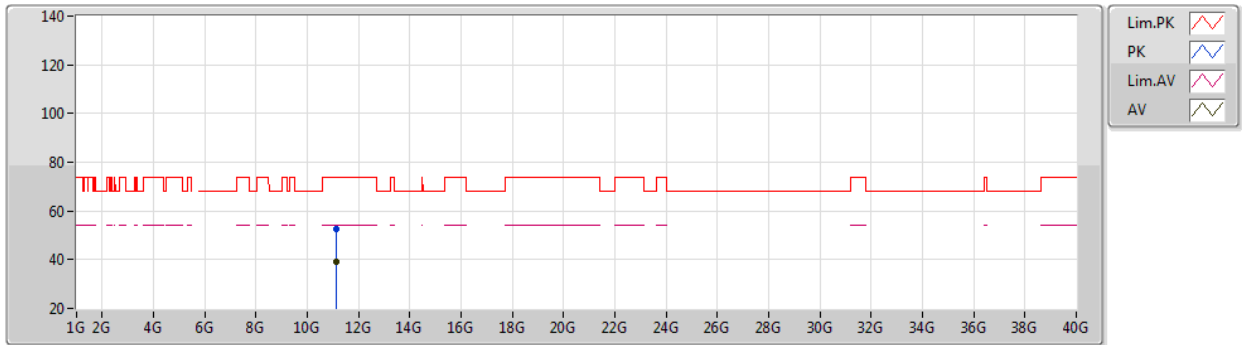

EUT Y_4TX
Setting 24
04-L-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3944G	61.07	74.00	-12.93	54.62	3	Vertical	340	1.80	-	33.36	5.80	32.71
PK	5.464G	60.00	68.20	-8.20	53.19	3	Vertical	340	1.80	-	33.66	5.83	32.68
AV	5.4456G	48.91	54.00	-5.09	42.20	3	Vertical	340	1.80	-	33.58	5.82	32.69
PK	5.5728G	118.61	Inf	-Inf	111.56	3	Vertical	340	1.80	-	33.85	5.89	32.69
AV	5.5856G	109.13	Inf	-Inf	102.07	3	Vertical	340	1.80	-	33.87	5.89	32.70
PK	5.7432G	61.85	68.20	-6.35	54.46	3	Vertical	340	1.80	-	34.17	5.97	32.75

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5580MHz_TX



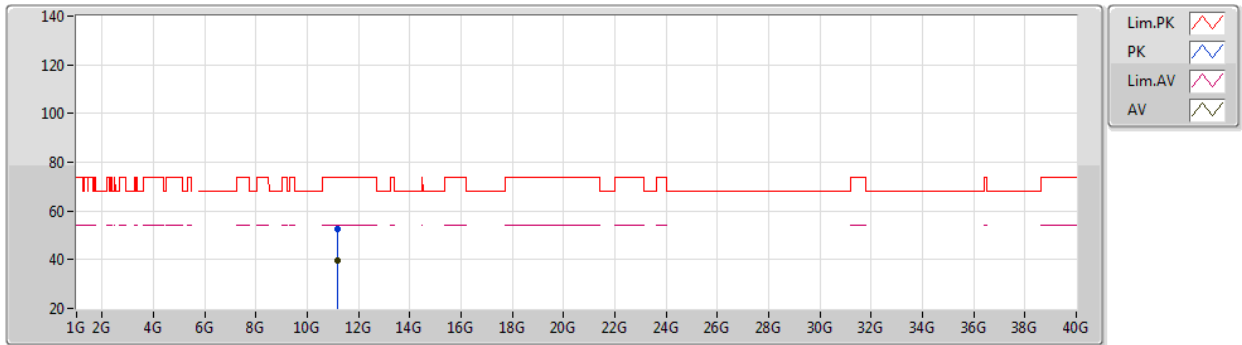
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.15364G	52.64	74.00	-21.36	39.30	3	Vertical	354	2.30	-	38.65	7.50	32.81
AV	11.14842G	39.31	54.00	-14.69	25.97	3	Vertical	354	2.30	-	38.65	7.50	32.81

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5580MHz_TX



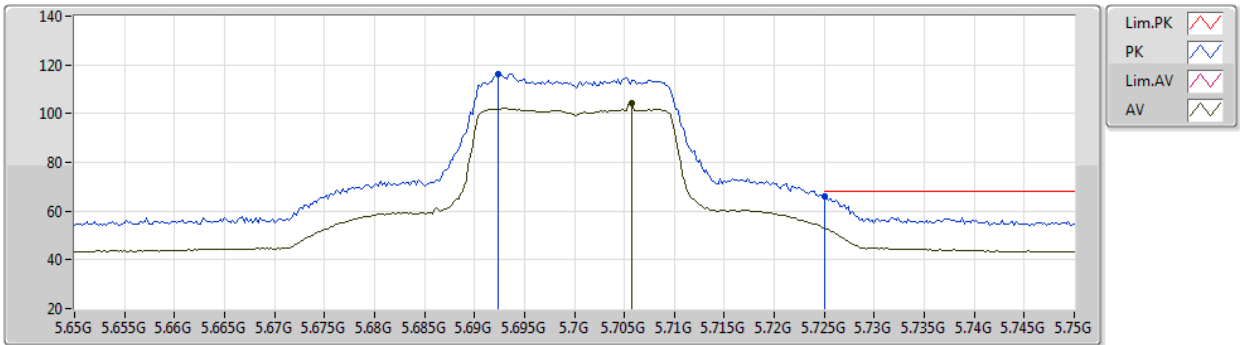
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Setting 24
02-B-C-4

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	11.16G	52.56	74.00	-21.44	39.20	3	Horizontal	207	2.00	-	38.66	7.51	32.81
AV	11.16354G	39.43	54.00	-14.57	26.08	3	Horizontal	207	2.00	-	38.66	7.51	32.82

802.11ax HEW20_Nss4,(MCS0)_4TX

06/05/2021

5700MHz_TX



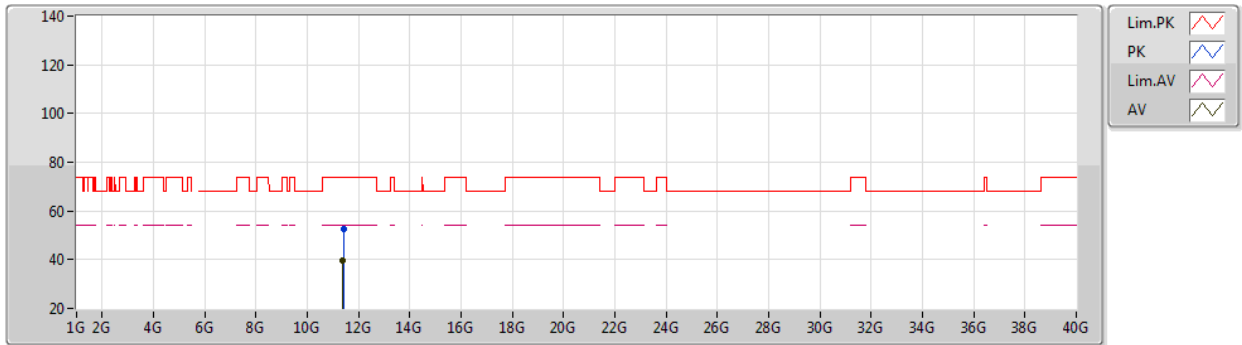
EUT Y_4TX
Setting 21
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6924G	116.00	Inf	-Inf	110.58	3	Vertical	359	1.61	-	31.77	5.11	31.46
AV	5.7058G	104.43	Inf	-Inf	98.99	3	Vertical	359	1.61	-	31.81	5.09	31.46
PK	5.725G	66.17	68.20	-2.03	60.70	3	Vertical	359	1.61	-	31.85	5.08	31.46

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5700MHz_TX



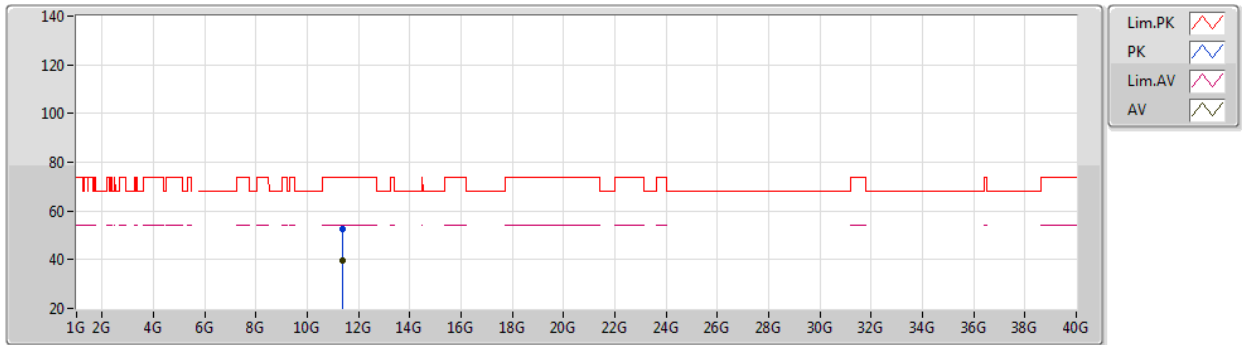
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Setting 21
02-B-C-4

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	11.41266G	52.53	74.00	-21.47	39.01	3	Vertical	29	2.97	-	38.83	7.59	32.90
AV	11.3994G	39.47	54.00	-14.53	25.98	3	Vertical	29	2.97	-	38.80	7.59	32.90

802.11ax HEW20_Nss4,(MCS0)_4TX

21/05/2021

5700MHz_TX



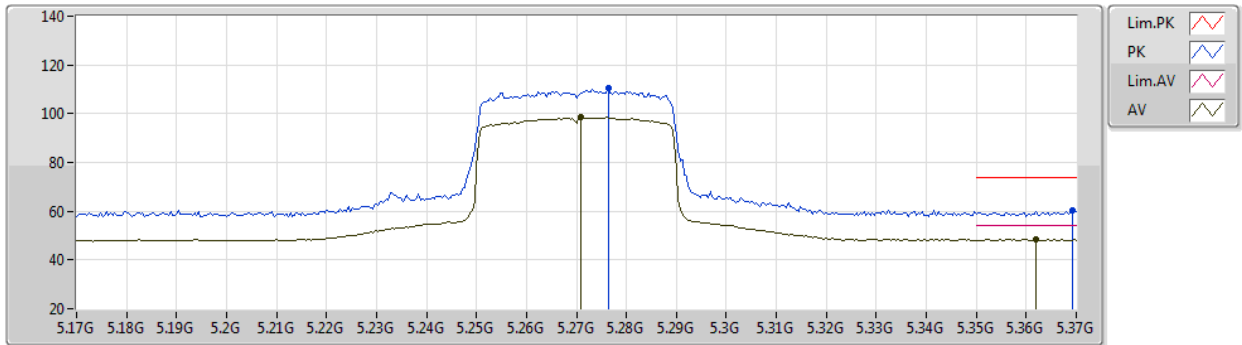
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Setting 21
02-B-C-4

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	11.38536G	52.34	74.00	-21.66	38.86	3	Horizontal	185	2.91	-	38.79	7.58	32.89
AV	11.39646G	39.43	54.00	-14.57	25.93	3	Horizontal	185	2.91	-	38.80	7.59	32.89

802.11ax HEW40_Nss4,(MCS0)_4TX

04/05/2021

5270MHz_TX

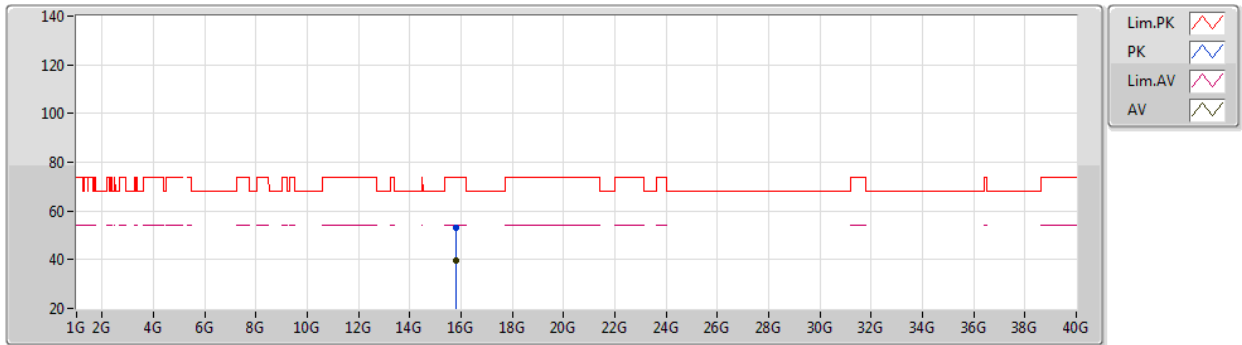

EUT Y_4TX
Setting 24
04-L-K-4-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.2764G	110.64	Inf	-Inf	104.70	3	Vertical	352	2.20	-	32.95	5.74	32.75
AV	5.2708G	98.69	Inf	-Inf	92.76	3	Vertical	352	2.20	-	32.94	5.74	32.75
PK	5.3692G	60.20	74.00	-13.80	53.99	3	Vertical	352	2.20	-	33.15	5.78	32.72
AV	5.362G	48.36	54.00	-5.64	42.20	3	Vertical	352	2.20	-	33.10	5.78	32.72

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5270MHz_TX



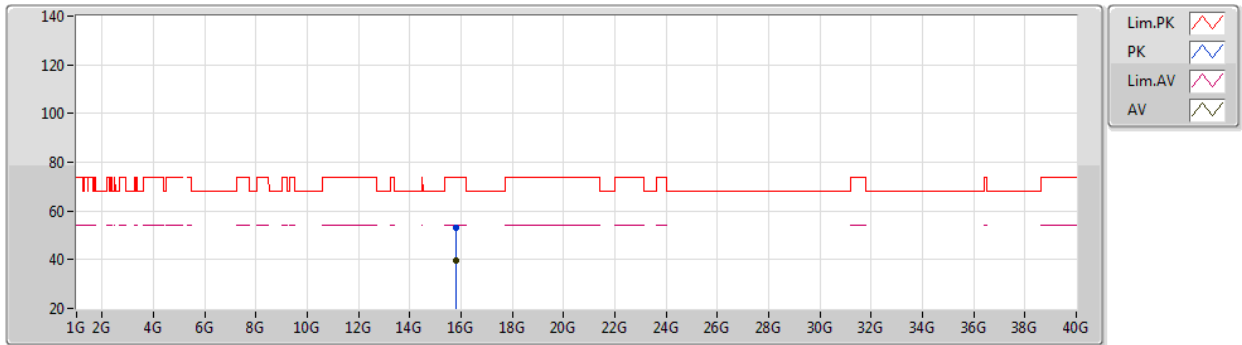
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.8181G	53.28	74.00	-20.72	39.59	3	Vertical	357	1.97	-	37.42	9.14	32.87
AV	15.801G	39.64	54.00	-14.36	25.97	3	Vertical	357	1.97	-	37.40	9.13	32.86

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5270MHz_TX



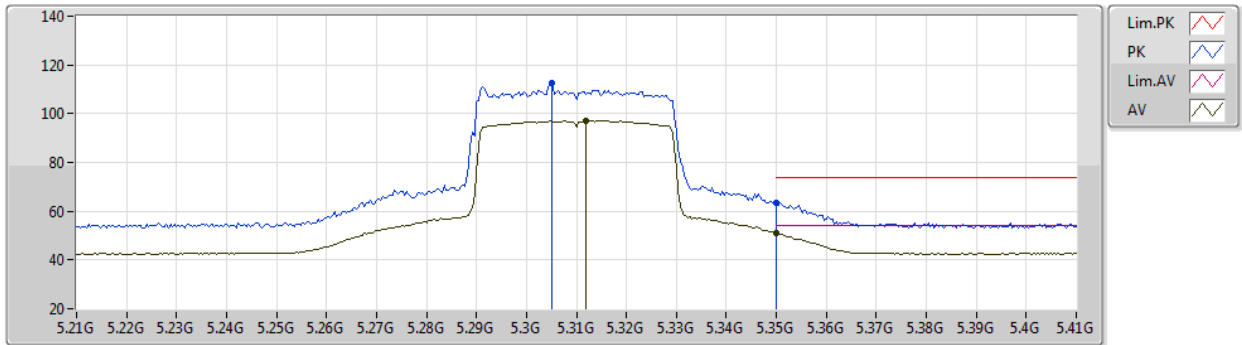
EUT_Z_4TX
Setting 24
02-B-C-4

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	15.80364G	53.13	74.00	-20.87	39.46	3	Horizontal	153	1.72	-	37.40	9.13	32.86
AV	15.82032G	39.79	54.00	-14.21	26.10	3	Horizontal	153	1.72	-	37.42	9.14	32.87

802.11ax HEW40_Nss4,(MCS0)_4TX

06/05/2021

5310MHz_TX



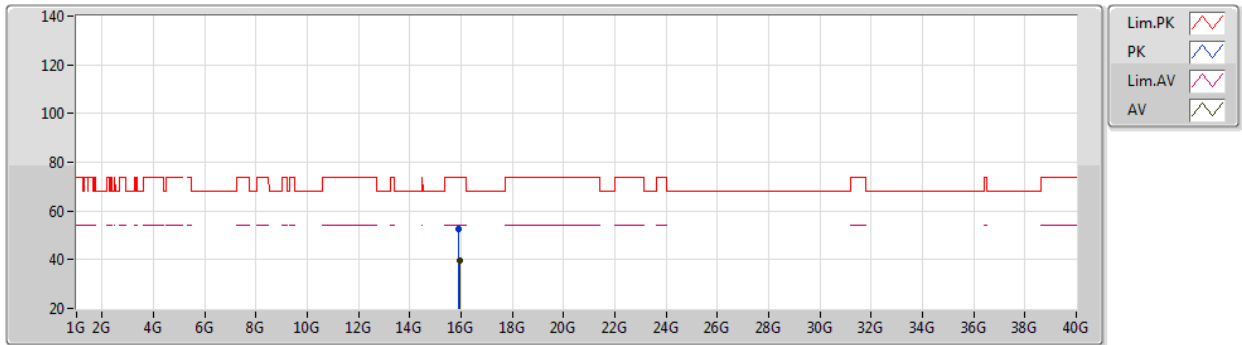
EUT Y_4TX
Setting 20
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3052G	112.43	Inf	-Inf	107.69	3	Vertical	8	1.89	-	31.30	5.05	31.61
AV	5.312G	97.20	Inf	-Inf	92.47	3	Vertical	8	1.89	-	31.30	5.04	31.61
PK	5.35G	63.45	74.00	-10.55	58.70	3	Vertical	8	1.89	-	31.30	5.03	31.58
AV	5.35G	51.15	54.00	-2.85	46.40	3	Vertical	8	1.89	-	31.30	5.03	31.58

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5310MHz_TX



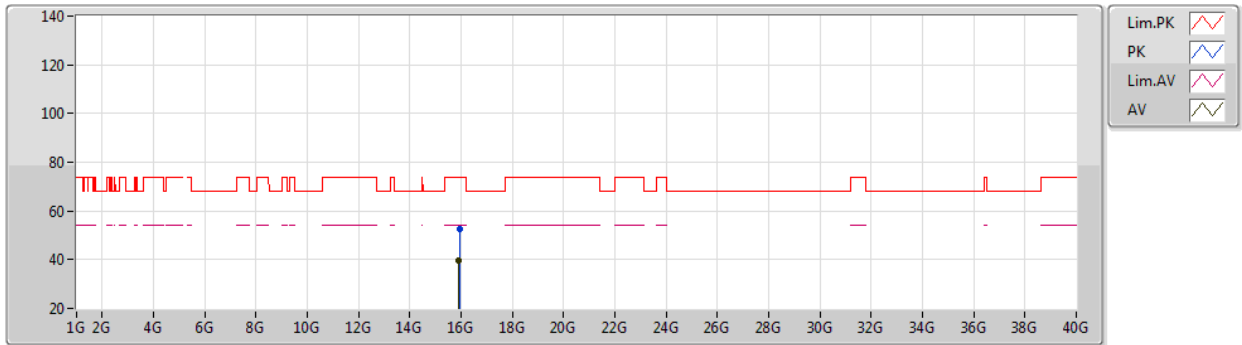
EUT_Z_4TX
Setting 20
02-B-C-4

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	15.9237G	52.69	74.00	-21.31	38.91	3	Vertical	158	1.83	-	37.48	9.17	32.87
AV	15.93036G	39.85	54.00	-14.15	26.07	3	Vertical	158	1.83	-	37.47	9.18	32.87

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5310MHz_TX

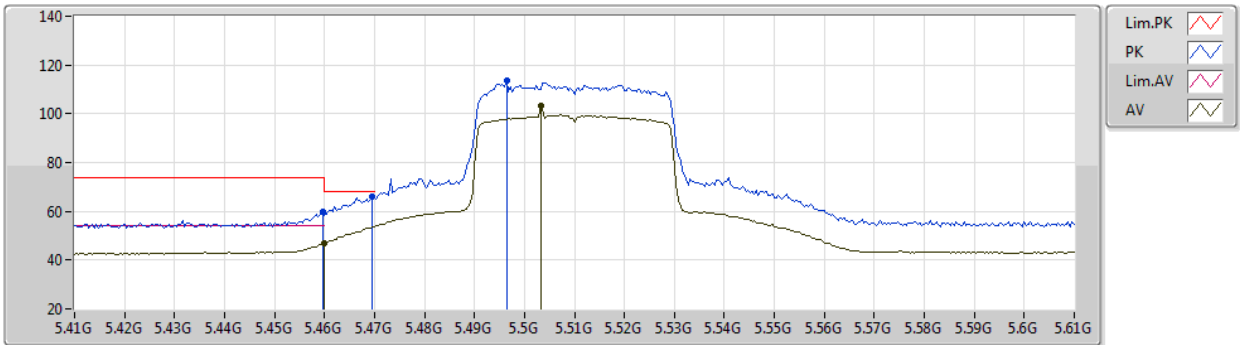

EUT_Z_4TX
Setting 20
02-B-C-4

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	15.92664G	52.80	74.00	-21.20	39.03	3	Horizontal	177	2.56	-	37.47	9.17	32.87
AV	15.92394G	39.88	54.00	-14.12	26.10	3	Horizontal	177	2.56	-	37.48	9.17	32.87

802.11ax HEW40_Nss4,(MCS0)_4TX

06/05/2021

5510MHz_TX



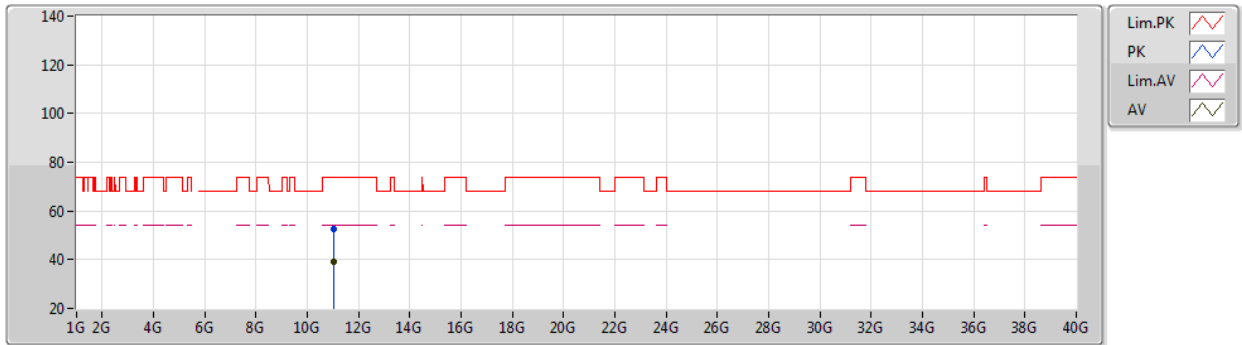
EUT Y_4TX
Setting 21
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4596G	59.70	74.00	-14.30	54.44	3	Vertical	0	2.07	-	31.70	5.06	31.50
AV	5.46G	46.75	54.00	-7.25	41.49	3	Vertical	0	2.07	-	31.70	5.06	31.50
PK	5.4696G	65.95	68.20	-2.25	60.67	3	Vertical	0	2.07	-	31.70	5.07	31.49
PK	5.4964G	113.61	Inf	-Inf	108.28	3	Vertical	0	2.07	-	31.70	5.10	31.47
AV	5.5032G	103.16	Inf	-Inf	97.84	3	Vertical	0	2.07	-	31.69	5.10	31.47

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5510MHz_TX

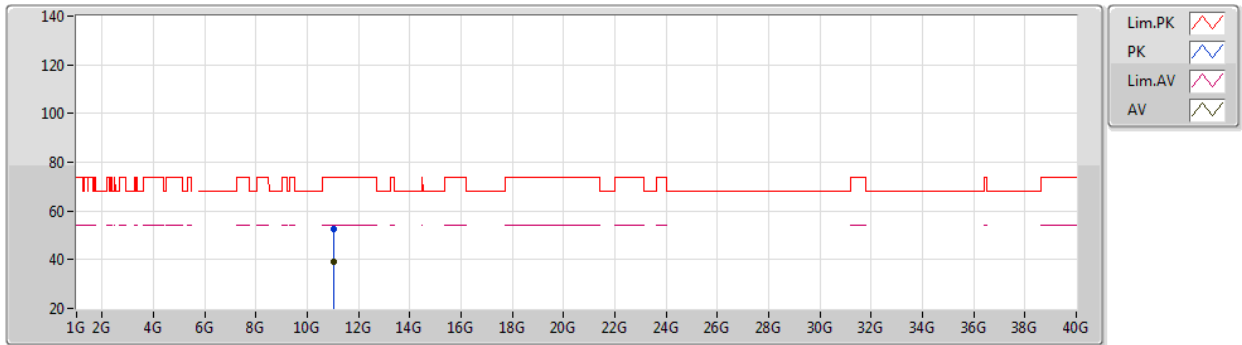

EUT_Z_4TX
Setting 21
02-B-C-4

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	11.0233G	52.53	74.00	-21.47	39.32	3	Vertical	102	1.57	-	38.52	7.46	32.77
AV	11.03092G	39.35	54.00	-14.65	26.13	3	Vertical	102	1.57	-	38.53	7.46	32.77

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5510MHz_TX



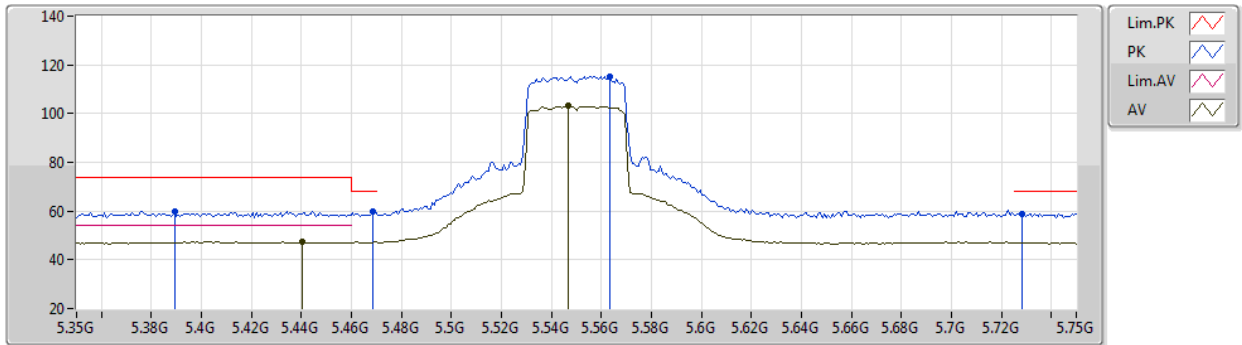
EUT_Z_4TX
Setting 21
02-B-C-4

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	11.03446G	52.43	74.00	-21.57	39.21	3	Horizontal	173	1.42	-	38.53	7.46	32.77
AV	11.01886G	39.15	54.00	-14.85	25.94	3	Horizontal	173	1.42	-	38.52	7.46	32.77

802.11ax HEW40_Nss4,(MCS0)_4TX

04/05/2021

5550MHz_TX



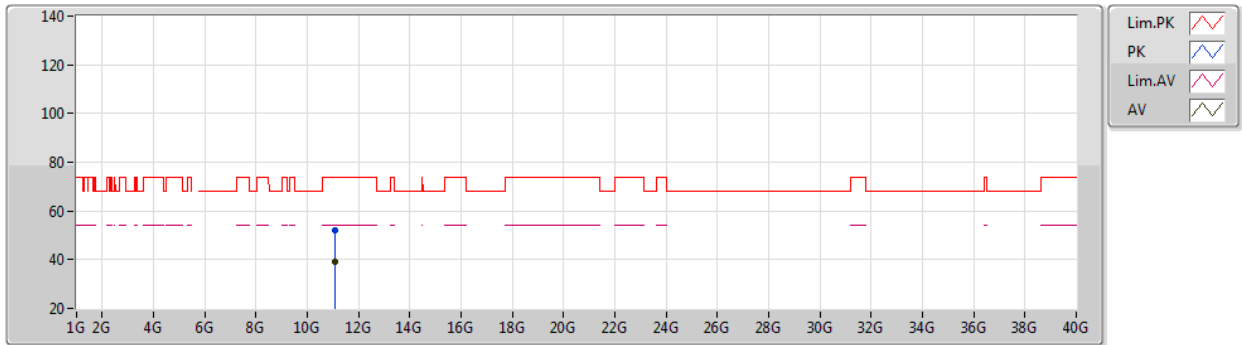
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3892G	59.73	74.00	-14.27	53.79	3	Vertical	334	1.84	-	34.52	6.49	35.07
PK	5.4684G	59.94	68.20	-8.26	53.66	3	Vertical	334	1.84	-	34.66	6.60	34.98
AV	5.4404G	47.33	54.00	-6.67	41.12	3	Vertical	334	1.84	-	34.66	6.56	35.01
PK	5.5636G	115.37	Inf	-Inf	109.02	3	Vertical	334	1.84	-	34.55	6.75	34.95
AV	5.5468G	103.32	Inf	-Inf	96.95	3	Vertical	334	1.84	-	34.60	6.72	34.95
PK	5.7284G	58.98	68.20	-9.22	52.66	3	Vertical	334	1.84	-	34.40	6.86	34.94

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5550MHz_TX



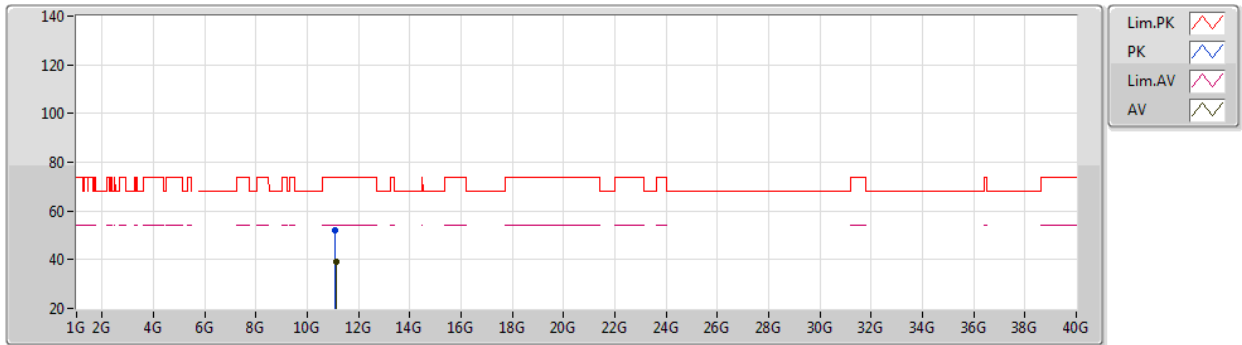
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Setting 24
02-B-C-4

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	11.08998G	51.91	74.00	-22.09	38.63	3	Vertical	163	1.13	-	38.59	7.48	32.79
AV	11.0994G	39.25	54.00	-14.75	25.96	3	Vertical	163	1.13	-	38.60	7.48	32.79

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5550MHz_TX



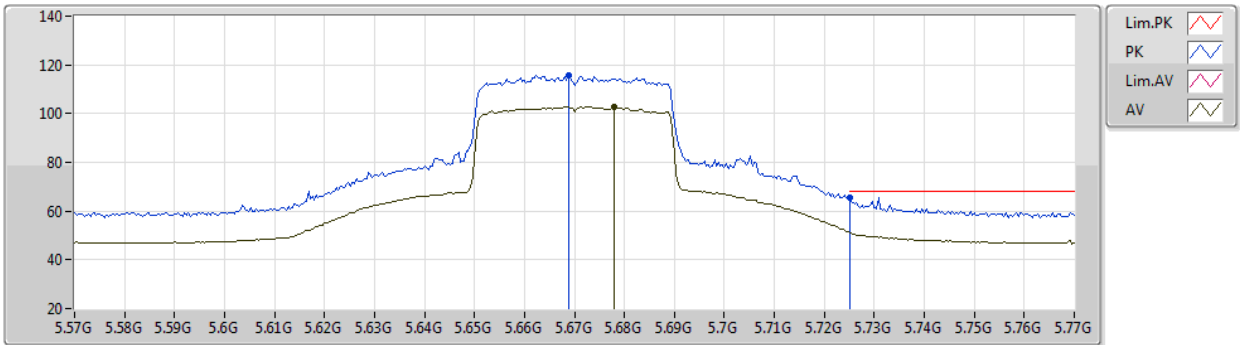
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.09814G	52.21	74.00	-21.79	38.92	3	Horizontal	181	2.44	-	38.60	7.48	32.79
AV	11.11002G	39.20	54.00	-14.80	25.90	3	Horizontal	181	2.44	-	38.61	7.49	32.80

802.11ax HEW40_Nss4,(MCS0)_4TX

04/05/2021

5670MHz_TX



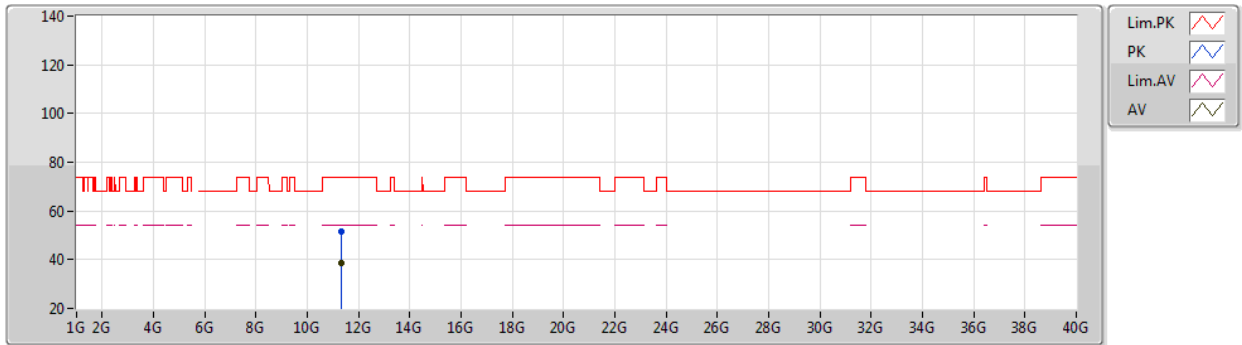
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.6688G	115.88	Inf	-Inf	109.59	3	Vertical	341	1.52	-	34.40	6.83	34.94
AV	5.678G	102.83	Inf	-Inf	96.53	3	Vertical	341	1.52	-	34.40	6.84	34.94
PK	5.7252G	65.72	68.20	-2.48	59.40	3	Vertical	341	1.52	-	34.40	6.86	34.94

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5670MHz_TX



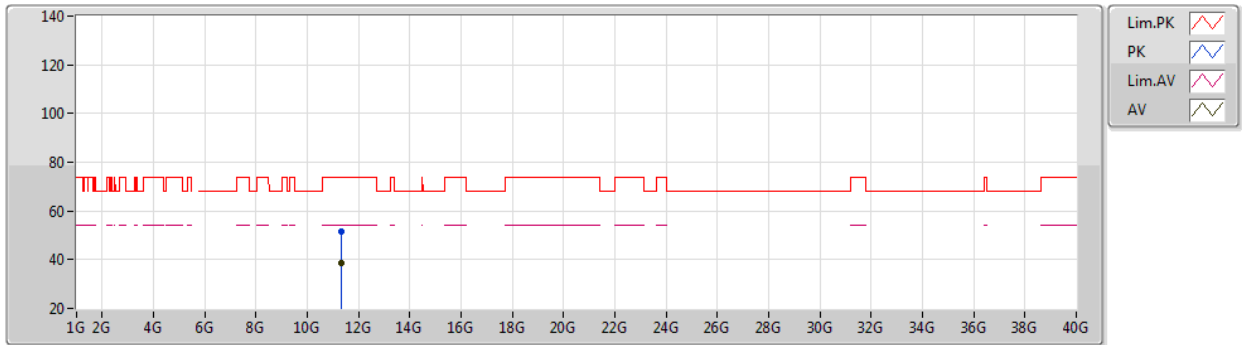
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.34492G	51.36	74.00	-22.64	37.93	3	Vertical	61	1.28	-	38.74	7.57	32.88
AV	11.34234G	38.73	54.00	-15.27	25.30	3	Vertical	61	1.28	-	38.74	7.57	32.88

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5670MHz_TX



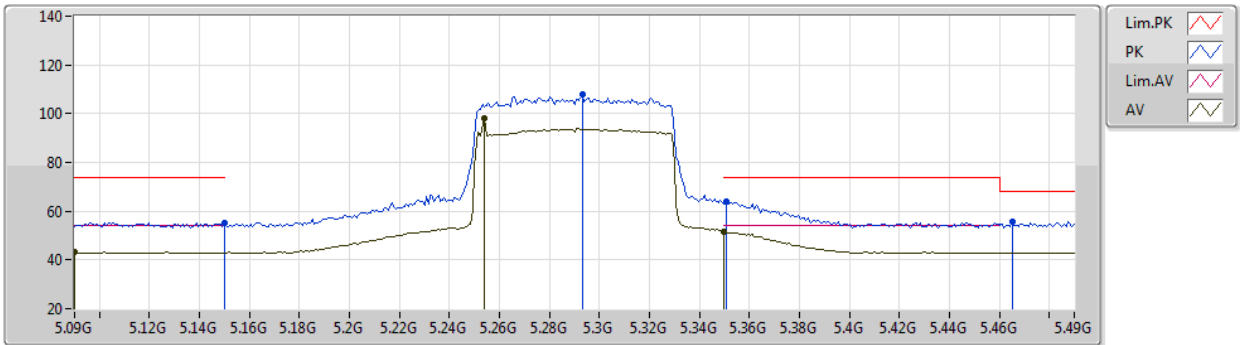
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.32542G	51.68	74.00	-22.32	38.26	3	Horizontal	231	2.36	-	38.73	7.56	32.87
AV	11.33544G	38.86	54.00	-15.14	25.42	3	Horizontal	231	2.36	-	38.74	7.57	32.87

802.11ax HEW80_Nss4,(MCS0)_4TX

06/05/2021

5290MHz_TX

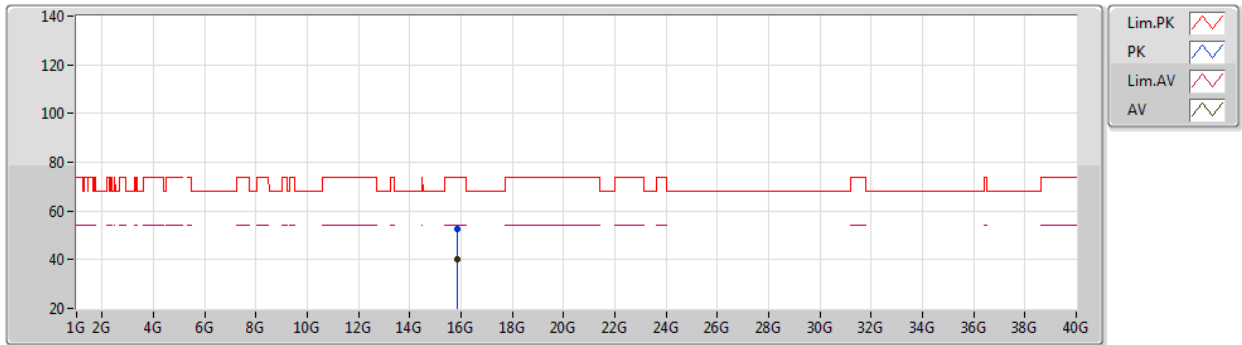

EUT Y_4TX
Setting 20
02-B-R-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.15G	55.27	74.00	-18.73	50.20	3	Vertical	356	2.07	-	31.80	5.00	31.73
AV	5.09G	43.18	54.00	-10.82	38.09	3	Vertical	356	2.07	-	31.98	4.88	31.77
PK	5.2932G	107.86	Inf	-Inf	103.12	3	Vertical	356	2.07	-	31.31	5.05	31.62
AV	5.254G	98.14	Inf	-Inf	93.33	3	Vertical	356	2.07	-	31.39	5.07	31.65
PK	5.3508G	63.80	74.00	-10.20	59.05	3	Vertical	356	2.07	-	31.31	5.02	31.58
AV	5.35G	51.31	54.00	-2.69	46.56	3	Vertical	356	2.07	-	31.30	5.03	31.58
PK	5.4652G	55.81	68.20	-12.39	50.54	3	Vertical	356	2.07	-	31.70	5.07	31.50

802.11ax HEW80_Nss4,(MCS0)_4TX

21/05/2021

5290MHz_TX



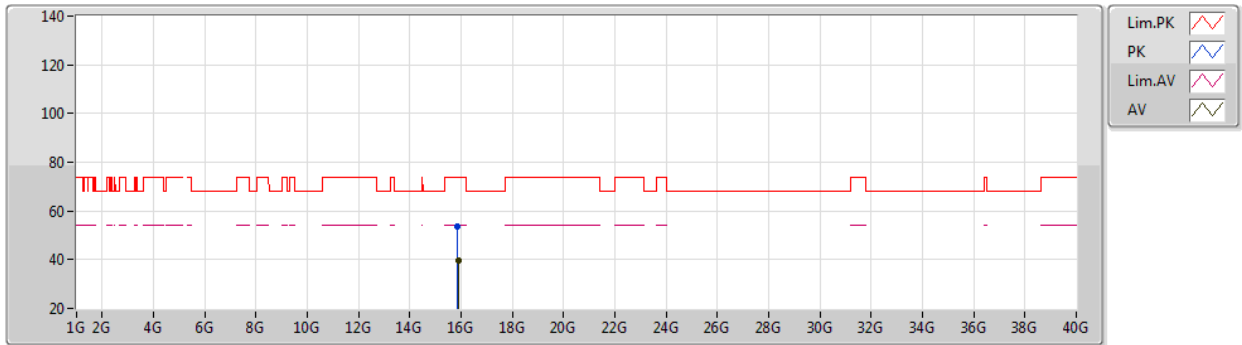
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Setting 20
02-B-C-4

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	15.8649G	52.41	74.00	-21.59	38.67	3	Vertical	88	1.93	-	37.46	9.15	32.87
AV	15.85536G	39.96	54.00	-14.04	26.22	3	Vertical	88	1.93	-	37.46	9.15	32.87

802.11ax HEW80_Nss4,(MCS0)_4TX

21/05/2021

5290MHz_TX



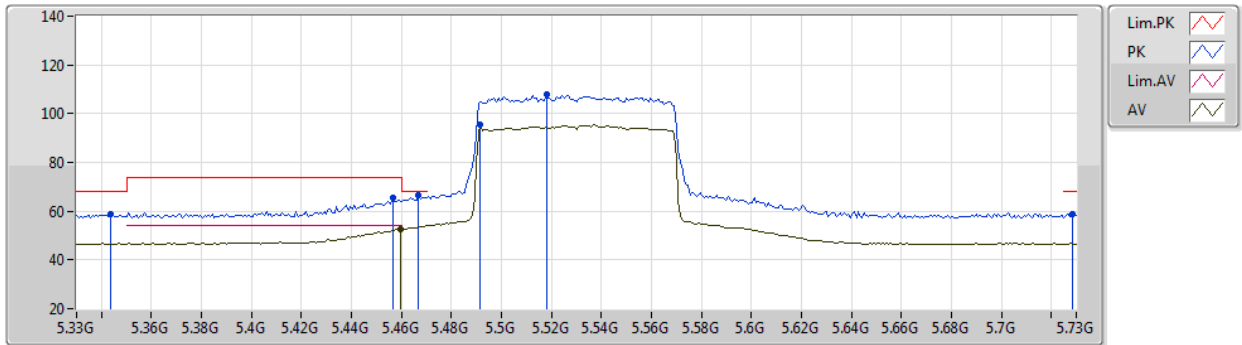
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Setting 20
02-B-C-4

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	15.87216G	53.83	74.00	-20.17	40.07	3	Horizontal	11	2.34	-	37.47	9.16	32.87
AV	15.8778G	39.74	54.00	-14.26	25.97	3	Horizontal	11	2.34	-	37.48	9.16	32.87

802.11ax HEW80_Nss4,(MCS0)_4TX

04/05/2021

5530MHz_TX

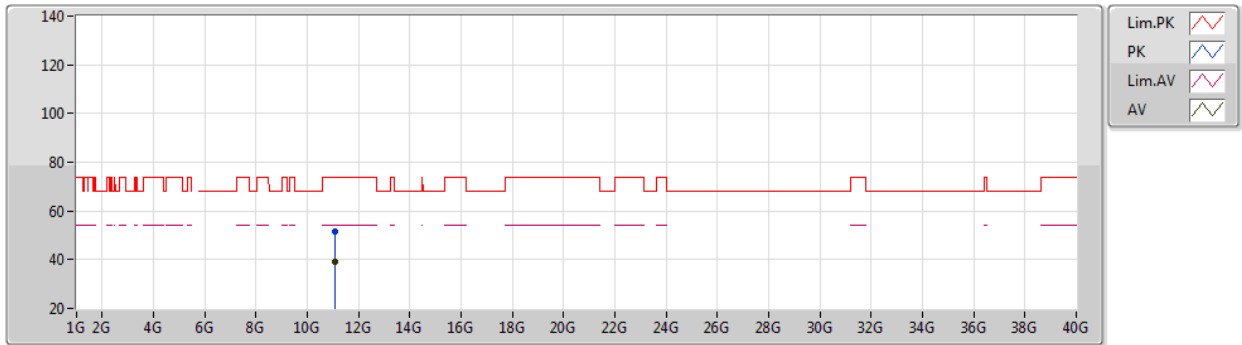

EUT Y_4TX
Setting 19
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3436G	58.85	68.20	-9.35	52.93	3	Vertical	309	1.45	-	34.57	6.47	35.12
PK	5.4564G	65.53	74.00	-8.47	59.26	3	Vertical	309	1.45	-	34.69	6.58	35.00
AV	5.4596G	52.56	54.00	-1.44	46.28	3	Vertical	309	1.45	-	34.68	6.59	34.99
PK	5.4668G	66.76	68.20	-1.44	60.48	3	Vertical	309	1.45	-	34.67	6.60	34.99
PK	5.4916G	95.51	Inf	-Inf	89.21	3	Vertical	309	1.45	-	34.62	6.64	34.96
PK	5.518G	107.97	Inf	-Inf	101.64	3	Vertical	309	1.45	-	34.60	6.68	34.95
PK	5.7284G	58.68	68.20	-9.52	52.36	3	Vertical	309	1.45	-	34.40	6.86	34.94

802.11ax HEW80_Nss4,(MCS0)_4TX

04/05/2021

5530MHz_TX



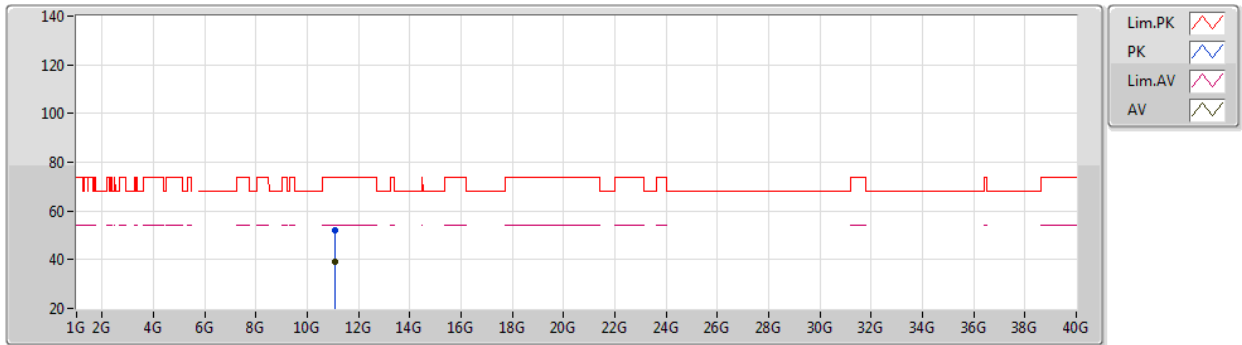
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Setting 19
02-B-C-4

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	11.05988G	51.67	74.00	-22.33	38.42	3	Vertical	169	1.88	-	38.56	7.47	32.78
AV	11.07212G	39.22	54.00	-14.78	25.95	3	Vertical	169	1.88	-	38.57	7.48	32.78

802.11ax HEW80_Nss4,(MCS0)_4TX

04/05/2021

5530MHz_TX



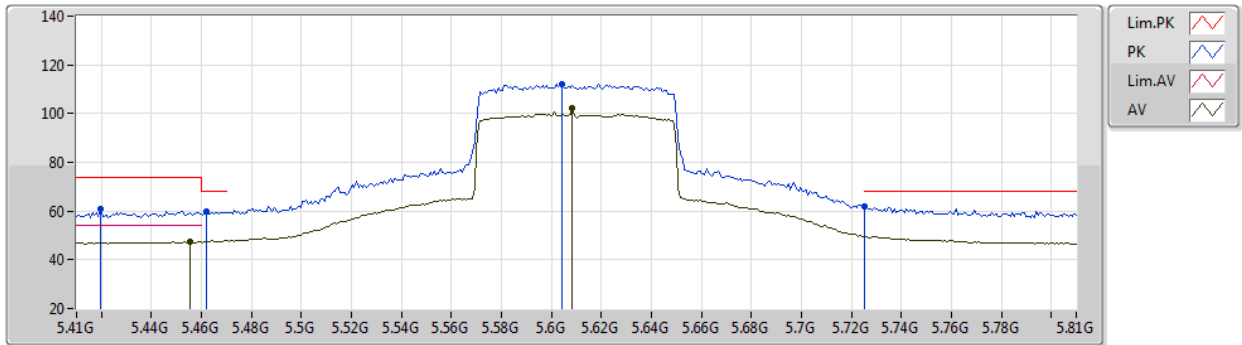
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Setting 19
02-B-C-4

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	11.06882G	51.89	74.00	-22.11	38.63	3	Horizontal	229	1.80	-	38.57	7.47	32.78
AV	11.0696G	39.22	54.00	-14.78	25.96	3	Horizontal	229	1.80	-	38.57	7.47	32.78

802.11ax HEW80_Nss4,(MCS0)_4TX

04/05/2021

5610MHz_TX



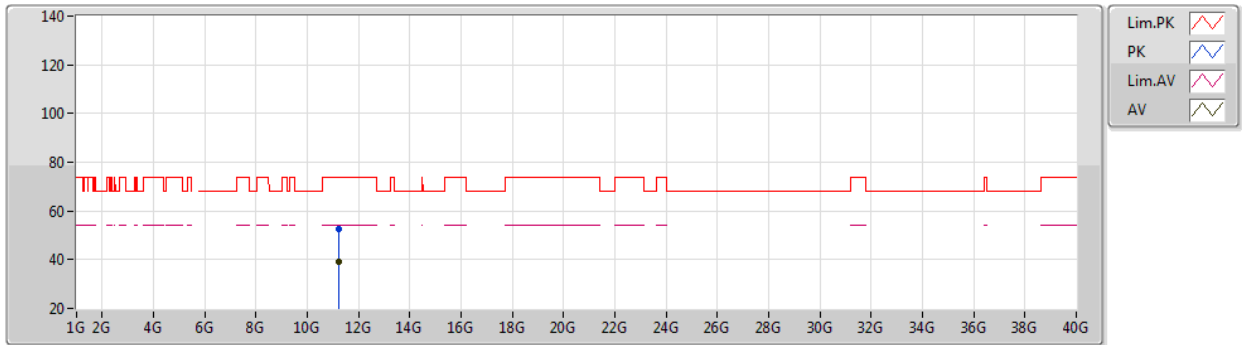
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.4196G	60.72	74.00	-13.28	54.65	3	Vertical	356	1.79	-	34.58	6.53	35.04
PK	5.462G	59.82	68.20	-8.38	53.54	3	Vertical	356	1.79	-	34.68	6.59	34.99
AV	5.4556G	47.26	54.00	-6.74	40.99	3	Vertical	356	1.79	-	34.69	6.58	35.00
PK	5.6044G	112.08	Inf	-Inf	105.82	3	Vertical	356	1.79	-	34.40	6.80	34.94
AV	5.6084G	102.14	Inf	-Inf	95.88	3	Vertical	356	1.79	-	34.40	6.80	34.94
PK	5.7252G	62.04	68.20	-6.16	55.72	3	Vertical	356	1.79	-	34.40	6.86	34.94

802.11ax HEW80_Nss4,(MCS0)_4TX

04/05/2021

5610MHz_TX



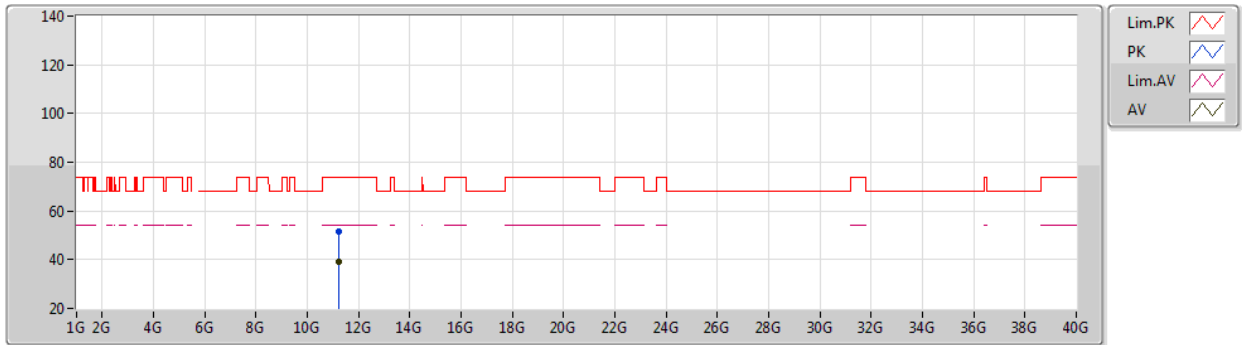
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Setting 24
02-B-C-4

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	11.21676G	52.56	74.00	-21.44	39.16	3	Vertical	343	2.33	-	38.70	7.53	32.83
AV	11.22144G	38.94	54.00	-15.06	25.55	3	Vertical	343	2.33	-	38.70	7.53	32.84

802.11ax HEW80_Nss4,(MCS0)_4TX

04/05/2021

5610MHz_TX



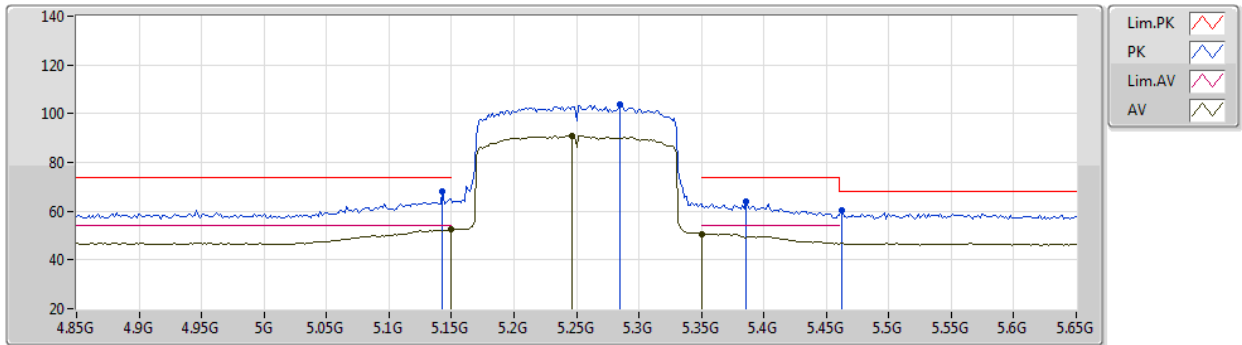
EUT_Z_4TX
Setting 24
02-B-C-4

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	11.21022G	51.72	74.00	-22.28	38.33	3	Horizontal	28	2.77	-	38.70	7.52	32.83
AV	11.22528G	38.99	54.00	-15.01	25.60	3	Horizontal	28	2.77	-	38.70	7.53	32.84

802.11ax HEW160_Nss4,(MCS0)_4TX

04/05/2021

5250MHz_TX

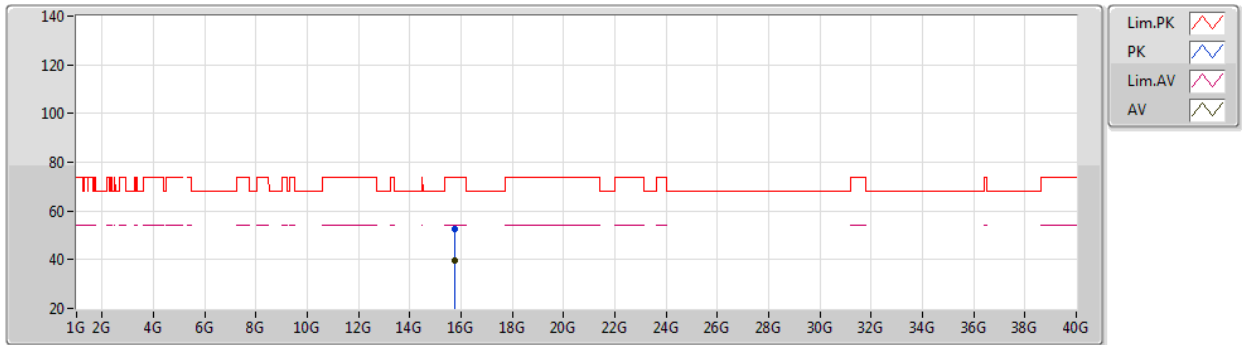

EUT Y_4TX
Setting 19
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.1428G	68.26	74.00	-5.74	63.10	3	Vertical	155	1.46	-	34.07	6.43	35.34
AV	5.1492G	52.38	54.00	-1.62	47.18	3	Vertical	155	1.46	-	34.10	6.43	35.33
AV	5.2468G	90.83	Inf	-Inf	85.41	3	Vertical	155	1.46	-	34.21	6.43	35.22
PK	5.2852G	103.75	Inf	-Inf	98.15	3	Vertical	155	1.46	-	34.34	6.44	35.18
AV	5.35G	50.74	54.00	-3.26	44.77	3	Vertical	155	1.46	-	34.60	6.48	35.11
PK	5.4628G	60.49	68.20	-7.71	54.22	3	Vertical	155	1.46	-	34.67	6.59	34.99
PK	5.386G	64.22	74.00	-9.78	58.27	3	Vertical	155	1.46	-	34.53	6.49	35.07

802.11ax HEW160_Nss4,(MCS0)_4TX

21/05/2021

5250MHz_TX



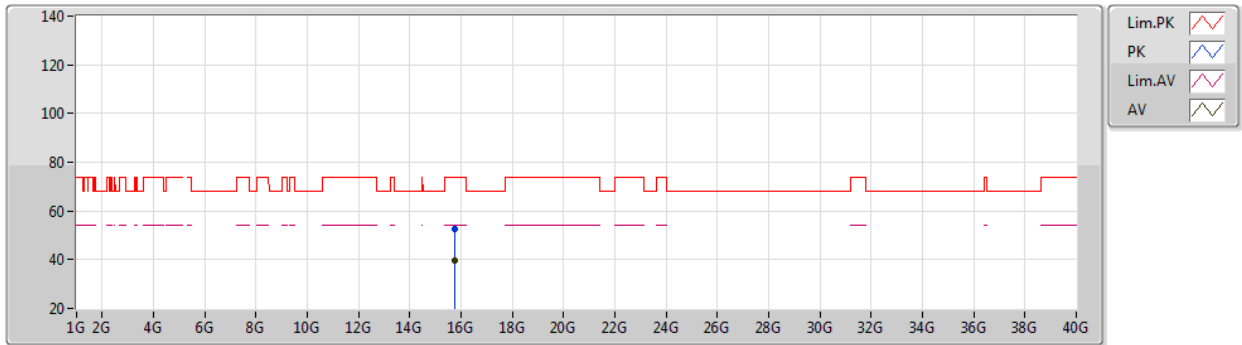
EUT_Z_4TX
Setting 19
02-B-C-4

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	15.76494G	52.66	74.00	-21.34	39.00	3	Vertical	159	2.63	-	37.40	9.12	32.86
AV	15.76392G	39.49	54.00	-14.51	25.83	3	Vertical	159	2.63	-	37.40	9.12	32.86

802.11ax HEW160_Nss4,(MCS0)_4TX

21/05/2021

5250MHz_TX



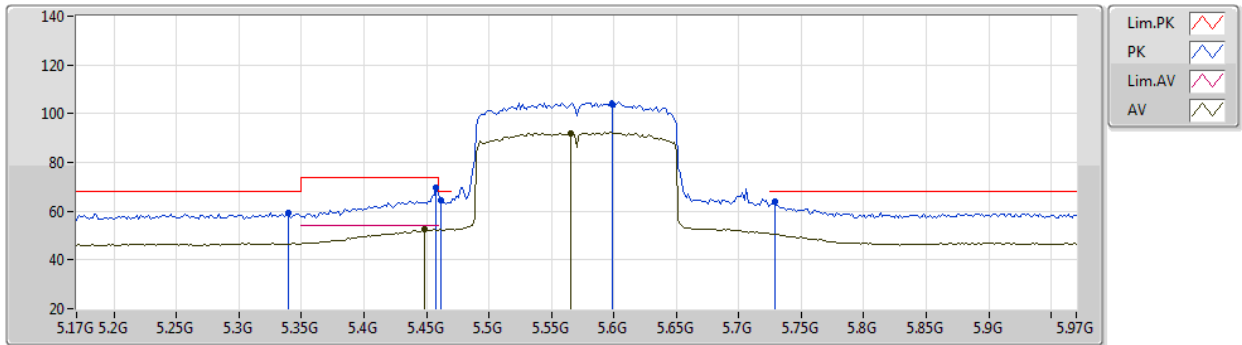
EUT_Z_4TX
Setting 19
02-B-C-4

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	15.74292G	52.58	74.00	-21.42	38.93	3	Horizontal	268	2.47	-	37.40	9.11	32.86
AV	15.75954G	39.69	54.00	-14.31	26.03	3	Horizontal	268	2.47	-	37.40	9.12	32.86

802.11ax HEW160_Nss4,(MCS0)_4TX

04/05/2021

5570MHz_TX

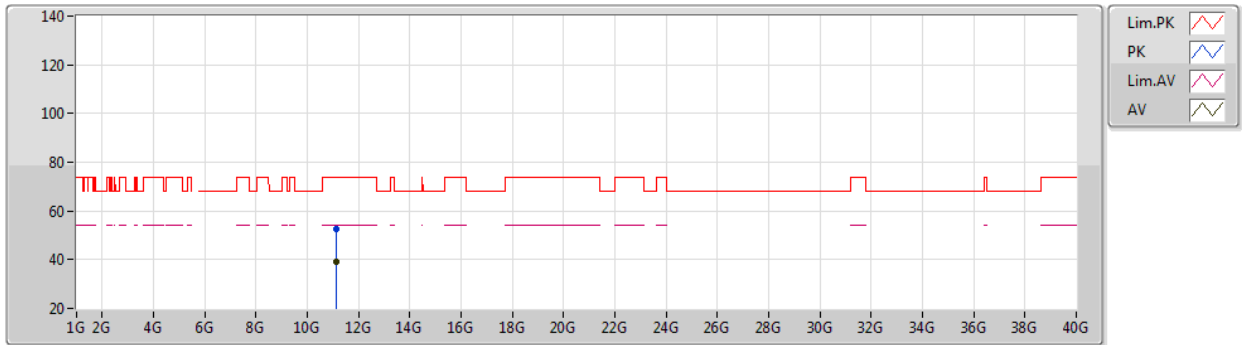

EUT Y_4TX
Setting 19
03-C-K-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.3396G	59.20	68.20	-9.00	53.29	3	Vertical	347	1.78	-	34.56	6.47	35.12
PK	5.458G	69.74	74.00	-4.26	63.47	3	Vertical	347	1.78	-	34.68	6.59	35.00
AV	5.4484G	52.44	54.00	-1.56	46.19	3	Vertical	347	1.78	-	34.69	6.57	35.01
PK	5.4612G	64.23	68.20	-3.97	57.95	3	Vertical	347	1.78	-	34.68	6.59	34.99
PK	5.5988G	103.76	Inf	-Inf	98.85	3	Vertical	347	1.78	-	34.40	6.80	34.94
AV	5.5652G	91.69	Inf	-Inf	85.35	3	Vertical	347	1.78	-	34.54	6.75	34.95
PK	5.7284G	63.72	68.20	-4.48	57.40	3	Vertical	347	1.78	-	34.40	6.86	34.94

802.11ax HEW160_Nss4,(MCS0)_4TX

21/05/2021

5570MHz_TX



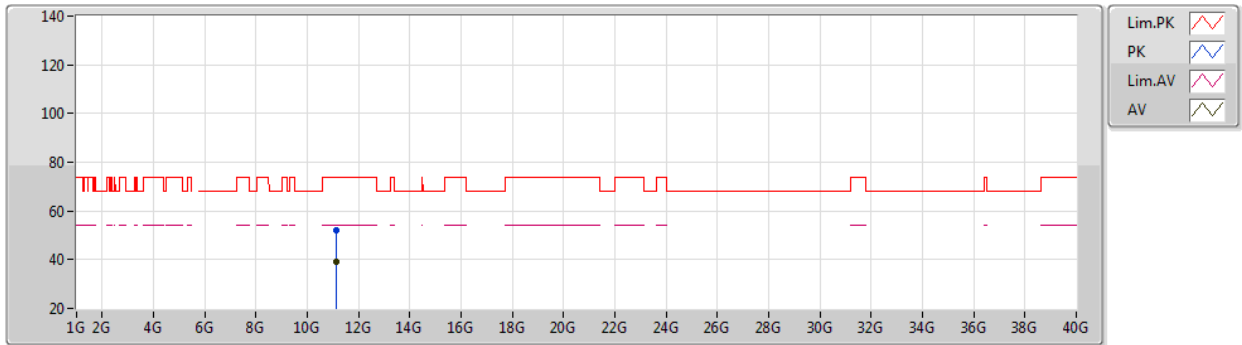
EUT_Z_4TX
Setting 19
02-B-C-4

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	11.1376G	52.47	74.00	-21.53	39.14	3	Vertical	180	1.04	-	38.64	7.50	32.81
AV	11.14264G	39.21	54.00	-14.79	25.88	3	Vertical	180	1.04	-	38.64	7.50	32.81

802.11ax HEW160_Nss4,(MCS0)_4TX

21/05/2021

5570MHz_TX



EUT_Z_4TX
Setting 19
02-B-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	11.13658G	51.95	74.00	-22.05	38.62	3	Horizontal	39	2.56	-	38.64	7.50	32.81
AV	11.14168G	39.15	54.00	-14.85	25.82	3	Horizontal	39	2.56	-	38.64	7.50	32.81

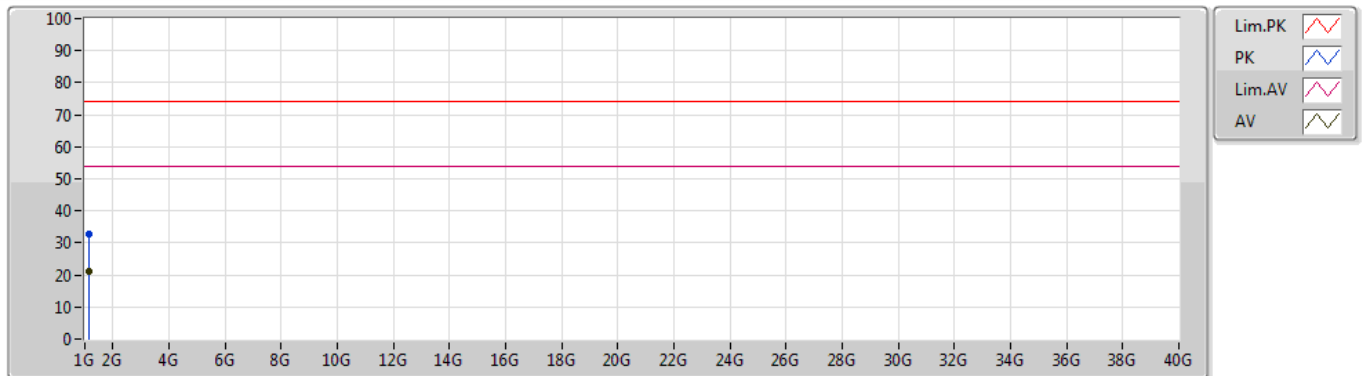


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	1.15087G	21.08	54.00	-32.92	Horizontal

Mode 1

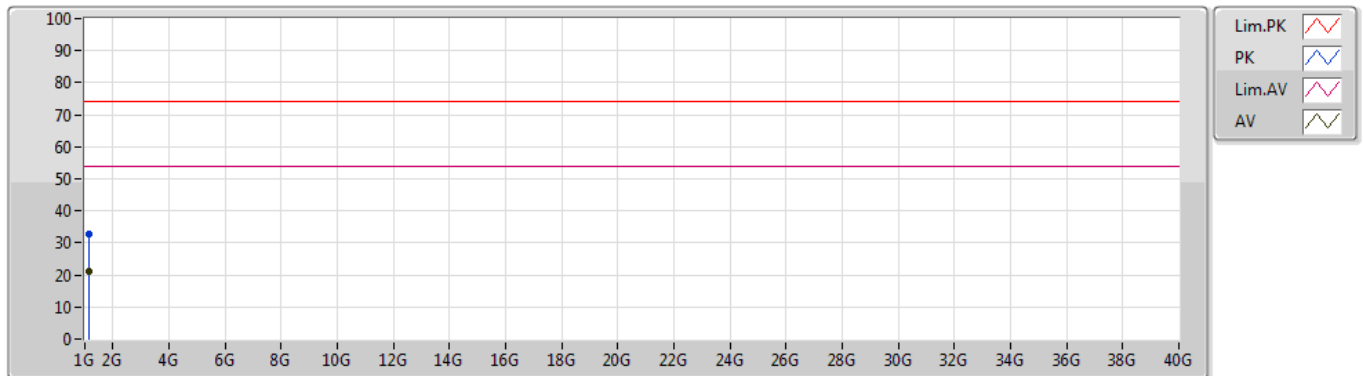
24/05/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.15039G	32.57	74.00	-41.43	-8.62	3	Vertical	259	2.12	-	41.19	25.20	2.73	36.55
AV	1.15088G	20.94	54.00	-33.06	-8.62	3	Vertical	259	2.12	"Worst"	29.56	25.20	2.73	36.55

Mode 1

24/05/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	1.15071G	32.56	74.00	-41.44	-8.62	3	Horizontal	221	1.73	-	41.18	25.20	2.73	36.55
AV	1.15087G	21.08	54.00	-32.92	-8.62	3	Horizontal	221	1.73	"Worst"	29.70	25.20	2.73	36.55