Testing Laboratory 3787

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. 14, 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
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR140727AB	01	Initial issue of report	Jul. 01, 2021
FR140727AB	02	Update the information on section 1.3 testing location information.	Jul. 05, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(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
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n (HT20)	20	4TX
5.15-5.25GHz	802.11n (HT20)-BF	20	4TX
5.15-5.25GHz	802.11ac (VHT20)	20	4TX
5.15-5.25GHz	802.11ac (VHT20)-BF	20	4TX
5.15-5.25GHz	802.11ax (HEW20)	20	4TX
5.15-5.25GHz	802.11ax (HEW20)-BF	20	4TX
5.15-5.25GHz	802.11n (HT40)	40	4TX
5.15-5.25GHz	802.11n (HT40)-BF	40	4TX
5.15-5.25GHz	802.11ac (VHT40)	40	4TX
5.15-5.25GHz	802.11ac (VHT40)-BF	40	4TX
5.15-5.25GHz	802.11ax (HEW40)	40	4TX
5.15-5.25GHz	802.11ax (HEW40)-BF	40	4TX
5.15-5.25GHz	802.11ac (VHT80)	80	4TX
5.15-5.25GHz	802.11ac (VHT80)-BF	80	4TX
5.15-5.25GHz	802.11ax (HEW80)	80	4TX
5.15-5.25GHz	802.11ax (HEW80)-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n (HT20)	20	4TX

5.725-5.85GHz	802.11n (HT20)-BF	20	4TX
5.725-5.85GHz	802.11ac (VHT20)	20	4TX
5.725-5.85GHz	802.11ac (VHT20)-BF	20	4TX
5.725-5.85GHz	802.11ax (HEW20)	20	4TX
5.725-5.85GHz	802.11ax (HEW20)-BF	20	4TX
5.725-5.85GHz	802.11n (HT40)	40	4TX
5.725-5.85GHz	802.11n (HT40)-BF	40	4TX
5.725-5.85GHz	802.11ac (VHT40)	40	4TX
5.725-5.85GHz	802.11ac (VHT40)-BF	40	4TX
5.725-5.85GHz	802.11ax (HEW40)	40	4TX
5.725-5.85GHz	802.11ax (HEW40)-BF	40	4TX
5.725-5.85GHz	802.11ac (VHT80)	80	4TX
5.725-5.85GHz	802.11ac (VHT80)-BF	80	4TX
5.725-5.85GHz	802.11ax (HEW80)	80	4TX
5.725-5.85GHz	802.11ax (HEW80)-BF	80	4TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 and HEW80 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 4	Bluetooth
1	-	1	-	-	2.21	3.09	-
2	-	2	-	-	1.80	2.76	-
3	1	3	-	2.52	1.5	3.45	-
4	2	4	-	2.25	1.04	2.37	-
5	-	-	1	-	-	-	4

Directional Gain (dBi)			
4T1S		4T4S	
5GHz Band 1	5GHz Band 4	5GHz Band 1	5GHz Band 4
6.02	7.72	0.62	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) ≥ 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

For 4T4S Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 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

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

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. 14, 2021 ~ May 24, 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	-
5180MHz	20.5
5200MHz	22.5
5240MHz	22.5
5745MHz	23
5785MHz	23
5825MHz	23
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	26
5200MHz	28
5240MHz	28
5745MHz	27
5785MHz	27
5825MHz	27
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	23
5230MHz	27
5755MHz	27
5795MHz	27
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	22
5775MHz	26

For 4T4S Mode:

Mode	Power Setting
802.11ax HEW20_Nss4,(MCS0)_4TX	-
5180MHz	25
5200MHz	28
5240MHz	28
5745MHz	28
5785MHz	28
5825MHz	28
802.11ax HEW40_Nss4,(MCS0)_4TX	-
5190MHz	21
5230MHz	27
5755MHz	28
5795MHz	28
802.11ax HEW80_Nss4,(MCS0)_4TX	-
5210MHz	21
5775MHz	26

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 mode only, due to similar modulation. The power setting of HT20/ HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.

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 atZ 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 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:
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%.

For Normal Link:
During the test, the EUT operation to normal function.

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:

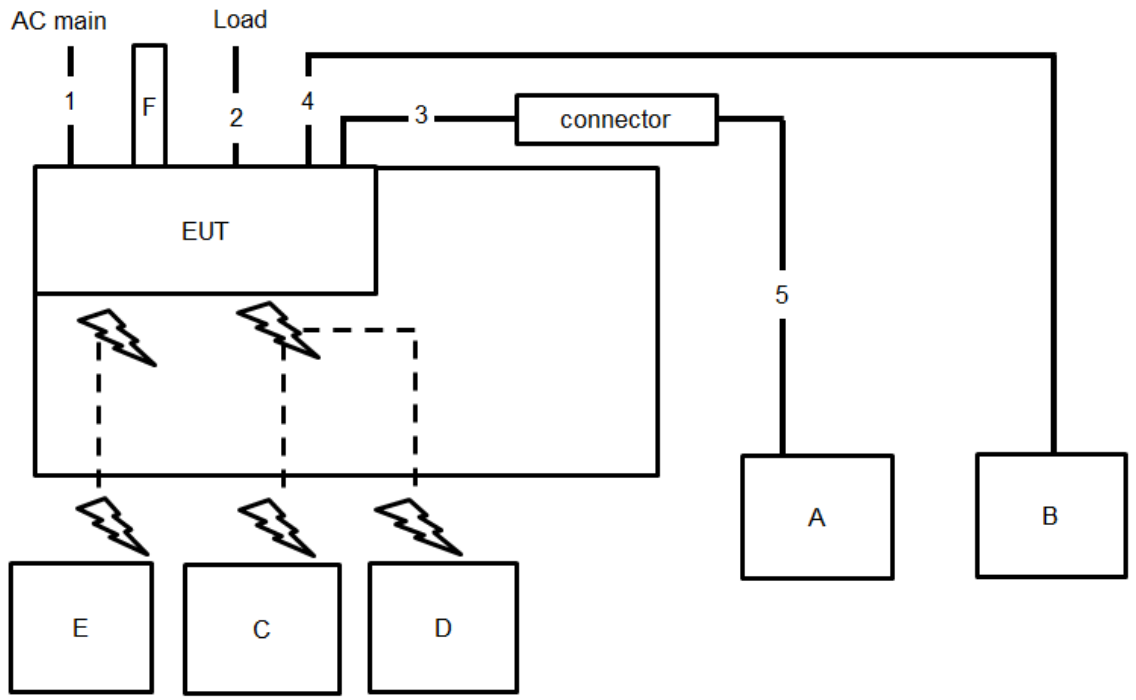
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A

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

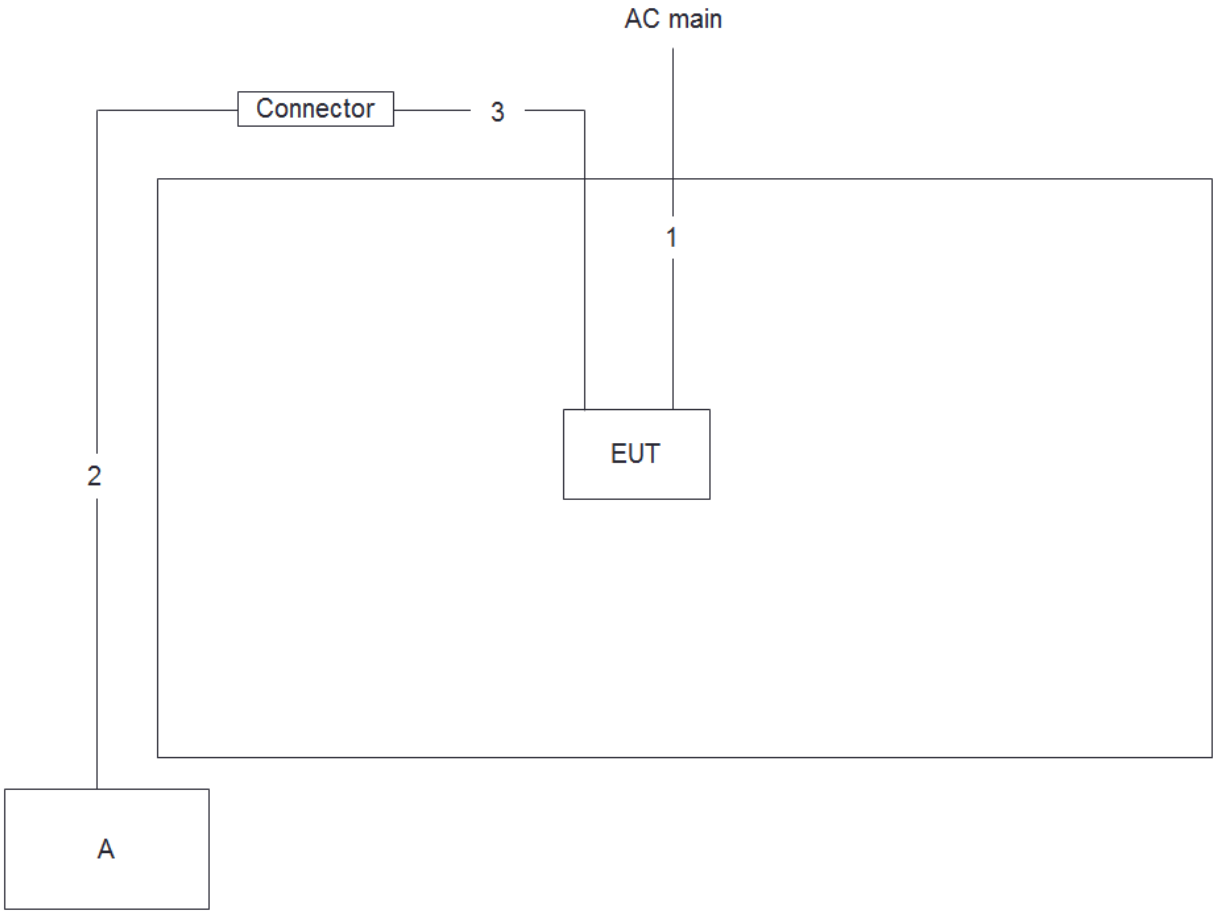
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



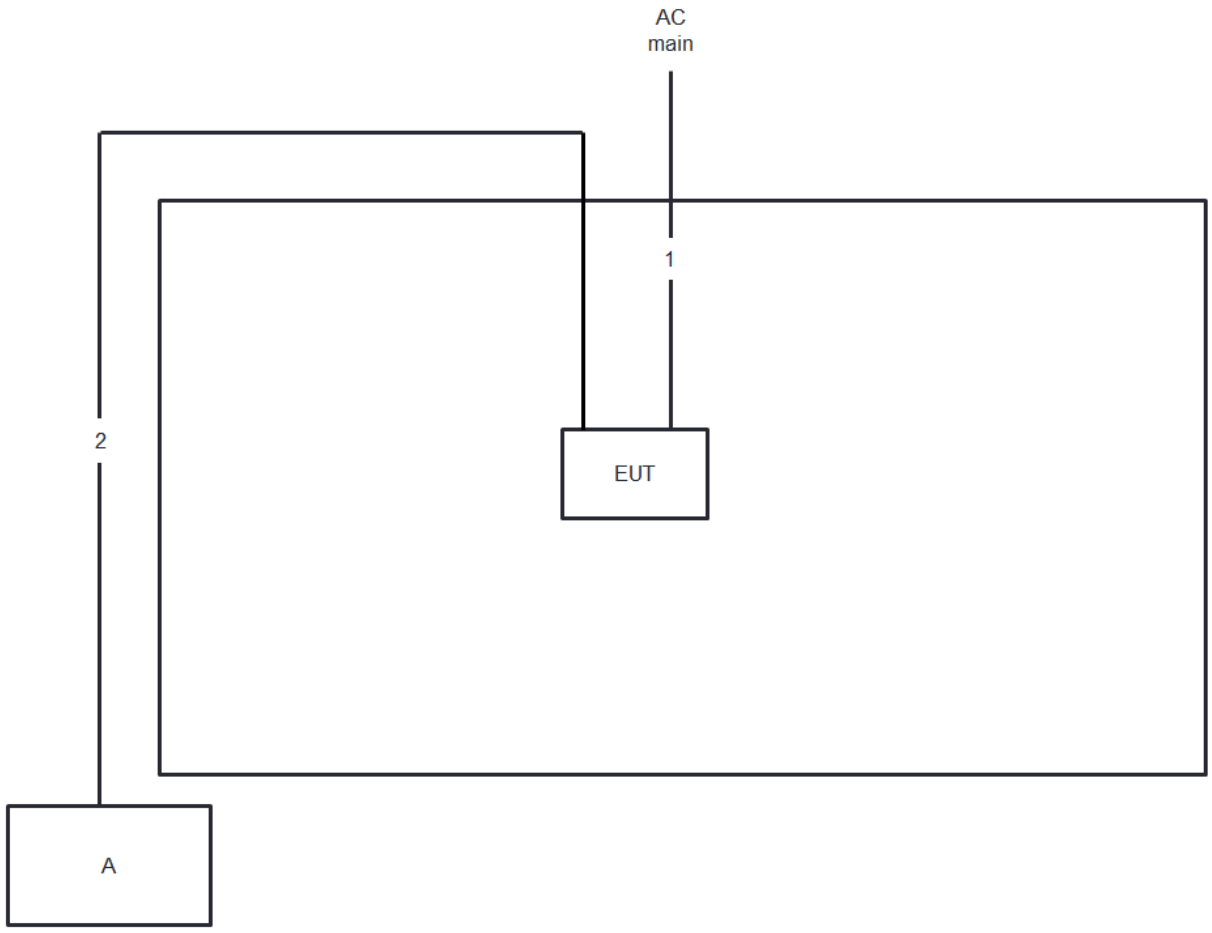
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable*3	No	1.5m
3	RJ-45 cable	No	0.9m
4	RJ-45 cable	No	10m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



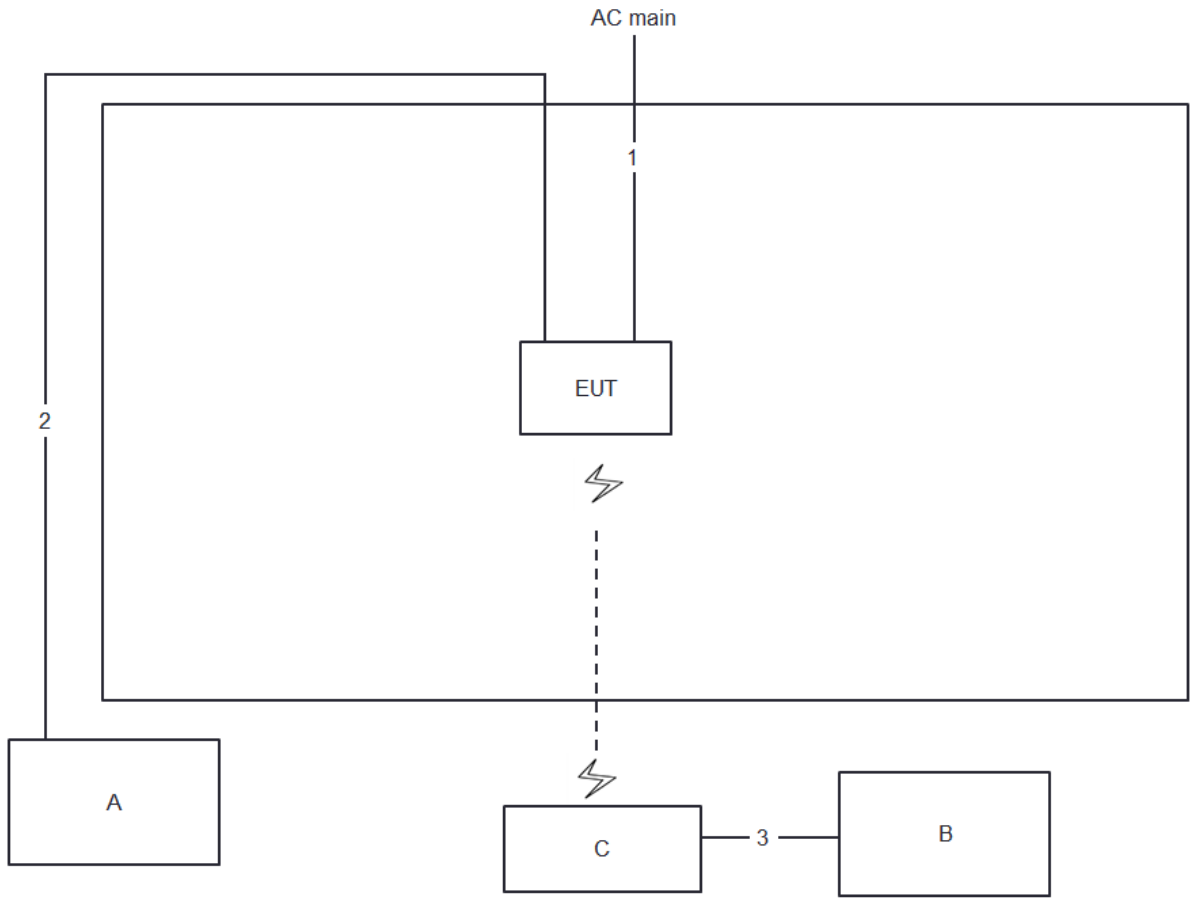
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	0.9m

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

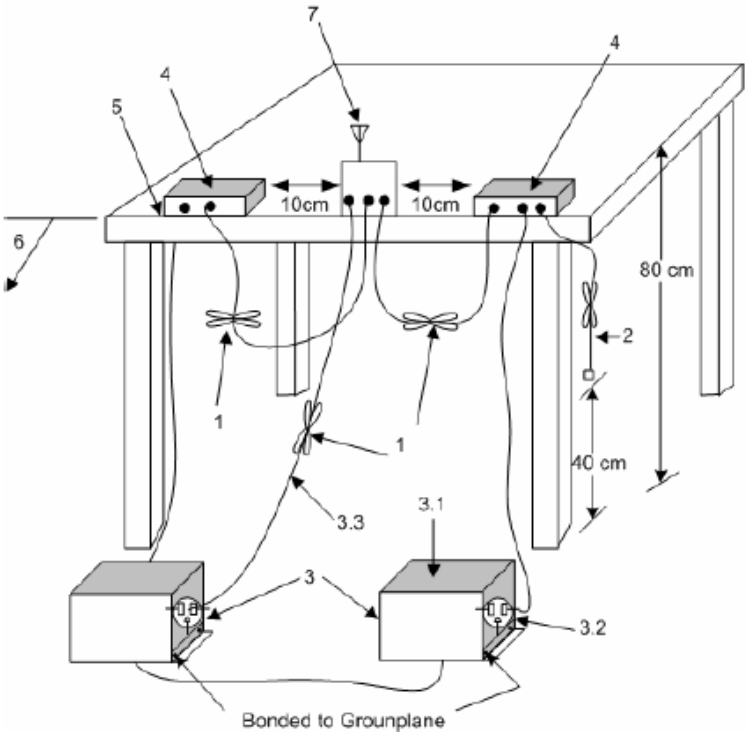
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



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

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

b. Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 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 ≥ 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 ≥ 500kHz.

3.2.2 Measuring Instruments

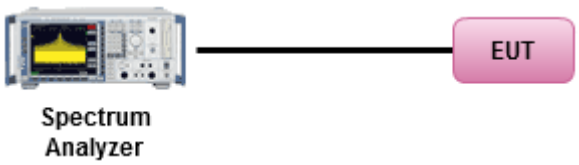
Refer a test equipment and calibration data table in this test report.

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

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.4 Test Setup

RF Output Power (Power Meter)


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° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	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 he 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.	

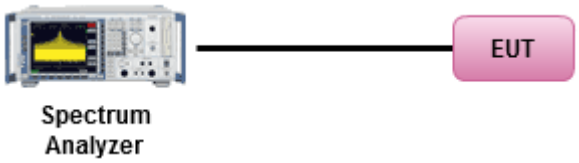
3.4.2 Measuring Instruments

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


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.

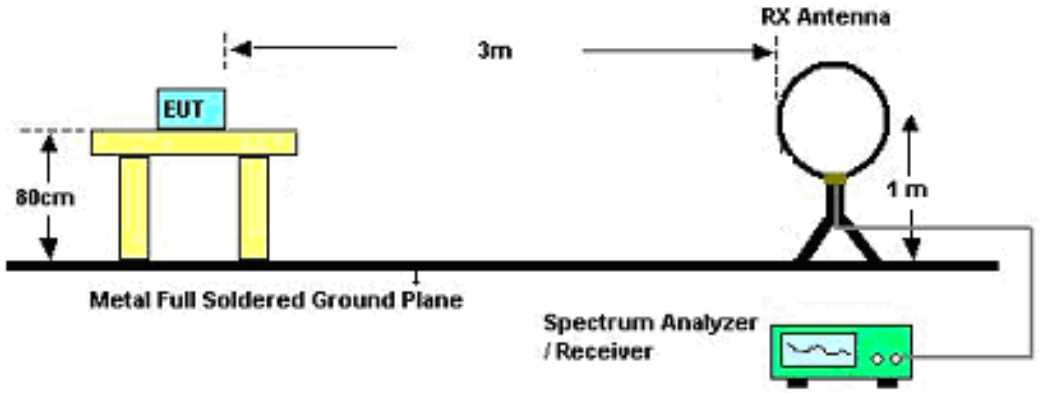
3.5.3 Test Procedures

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 ≥ 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 ≥ 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.		

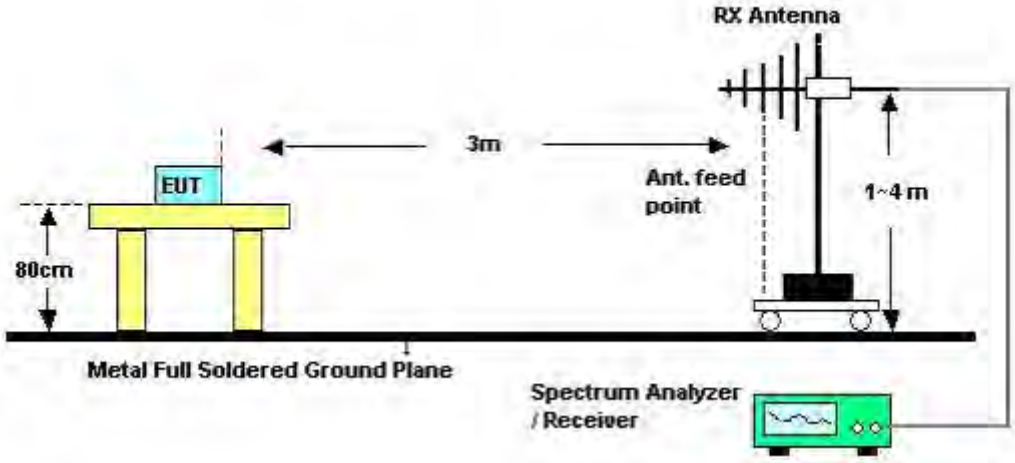
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

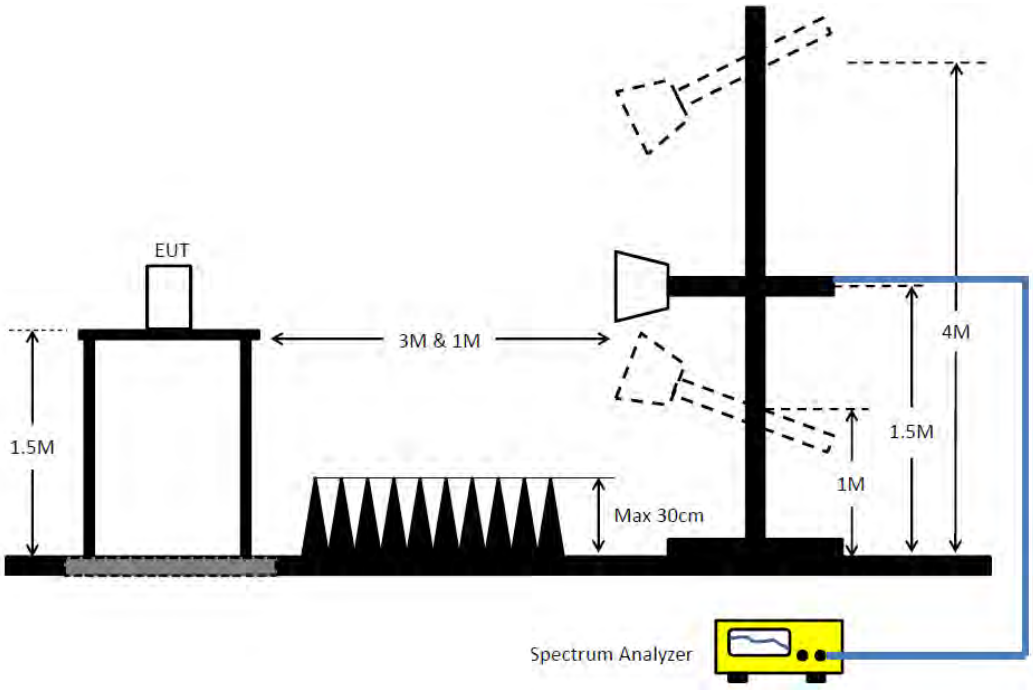
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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-HG	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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
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-HG	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-HG	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

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 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)
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.

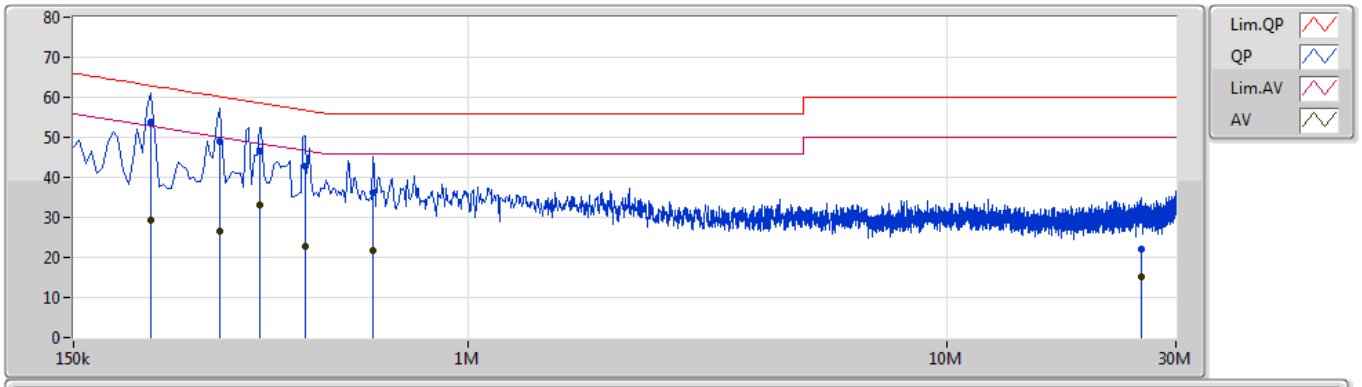
N.C.R. means Non-Calibration required.

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

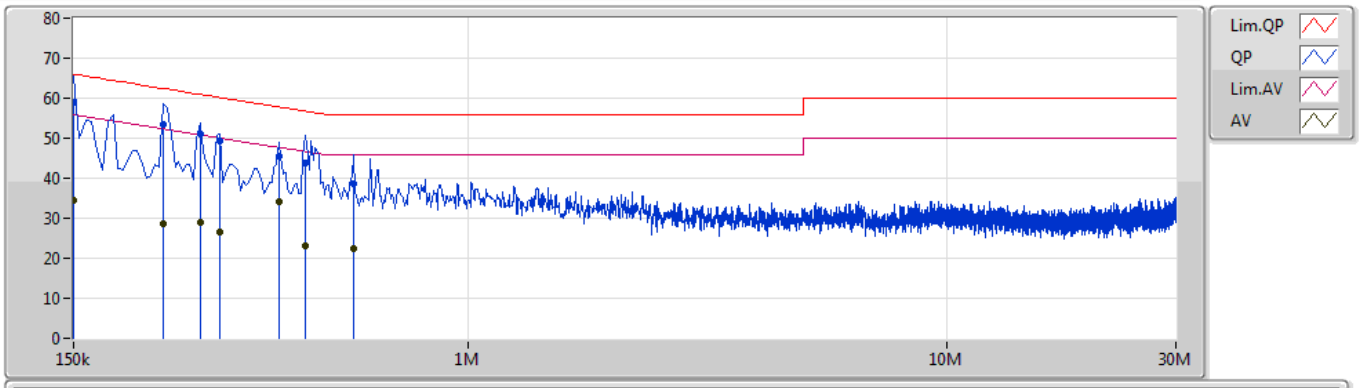
23/04/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(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	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(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	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.82M	16.612M	16M6D1D	19.47M	16.522M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	30.66M	19.1M	19M1D1D	21.45M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	72.18M	38.081M	38M1D1D	40.38M	37.541M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	83.04M	77.121M	77M1D1D	80.76M	77.001M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	17.301M	17M3D1D	16.32M	16.642M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.05M	19.13M	19M1D1D	18.9M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.68M	52.834M	52M8D1D	35.7M	37.601M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	76.32M	77.121M	77M1D1D	73.8M	77.001M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% 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

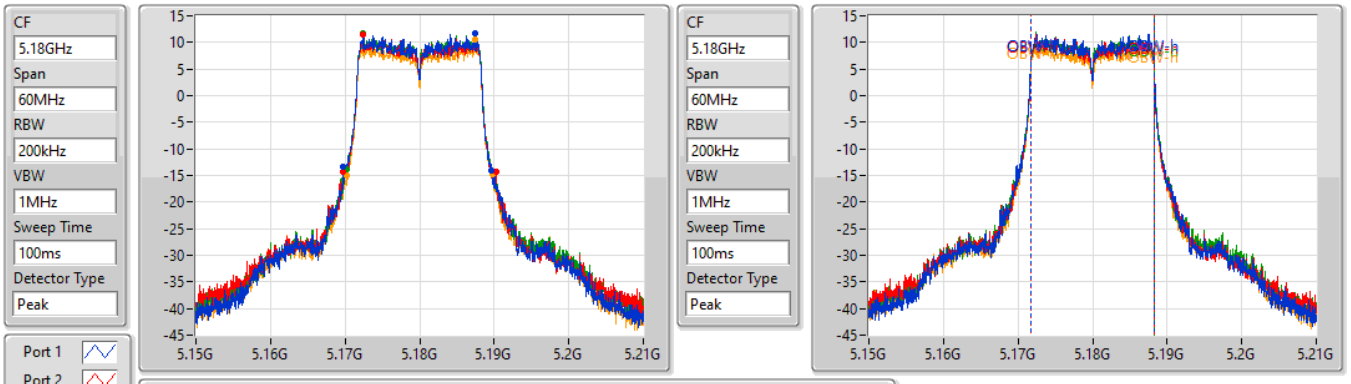
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.92M	16.522M	20.55M	16.522M	19.47M	16.582M	19.59M	16.552M
5200MHz	Pass	Inf	20.76M	16.612M	20.73M	16.612M	20.82M	16.582M	20.4M	16.522M
5240MHz	Pass	Inf	20.4M	16.612M	20.7M	16.582M	20.58M	16.582M	20.01M	16.522M
5745MHz	Pass	500k	16.32M	16.792M	16.32M	16.792M	16.35M	16.882M	16.32M	17.301M
5785MHz	Pass	500k	16.35M	16.732M	16.32M	16.642M	16.35M	16.702M	16.35M	16.792M
5825MHz	Pass	500k	16.35M	16.762M	16.35M	16.672M	16.32M	16.732M	16.32M	16.852M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	30.66M	19.07M	21.66M	19.04M	21.93M	19.07M	21.57M	19.04M
5200MHz	Pass	Inf	21.69M	19.1M	21.93M	19.04M	21.96M	19.07M	21.96M	19.1M
5240MHz	Pass	Inf	21.45M	19.07M	22.14M	19.04M	21.96M	19.04M	22.29M	19.07M
5745MHz	Pass	500k	19.05M	19.1M	18.9M	19.04M	18.93M	19.04M	18.96M	19.07M
5785MHz	Pass	500k	19.02M	19.1M	18.99M	19.04M	19.02M	19.07M	19.02M	19.04M
5825MHz	Pass	500k	18.96M	19.13M	18.93M	19.07M	19.02M	19.04M	18.93M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.1M	37.541M	40.44M	37.661M	40.38M	37.661M	40.44M	37.721M
5230MHz	Pass	Inf	72.18M	38.081M	45.84M	37.721M	41.64M	37.661M	41.64M	37.721M
5755MHz	Pass	500k	36.3M	52.834M	37.56M	37.601M	37.68M	37.661M	36.6M	37.661M
5795MHz	Pass	500k	36.42M	37.721M	35.7M	37.721M	36.42M	37.721M	36.48M	37.721M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.76M	77.121M	80.88M	77.121M	82.08M	77.121M	83.04M	77.001M
5775MHz	Pass	500k	76.32M	77.121M	73.8M	77.001M	73.92M	77.121M	75M	77.121M

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

5180MHz

27/04/2021

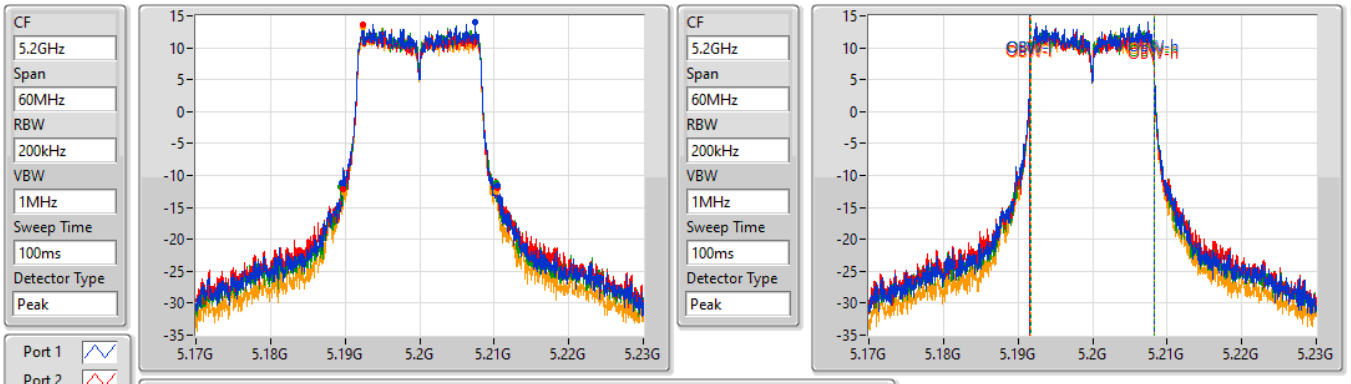


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.92M	5.16977G	5.18969G	16.522M	5.171694G	5.188216G	Inf	1
20.55M	5.16977G	5.19032G	16.522M	5.171694G	5.188216G	Inf	2
19.47M	5.17019G	5.18966G	16.582M	5.171664G	5.188246G	Inf	3
19.59M	5.17022G	5.18981G	16.552M	5.171694G	5.188246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

27/04/2021

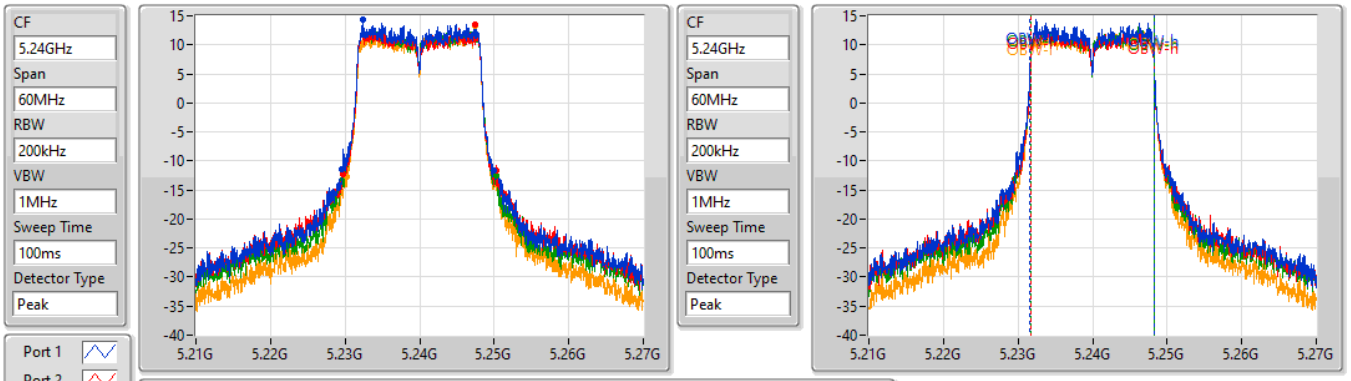


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.76M	5.18962G	5.21038G	16.612M	5.191634G	5.208246G	Inf	1
20.73M	5.18968G	5.21041G	16.612M	5.191634G	5.208246G	Inf	2
20.82M	5.18947G	5.21029G	16.582M	5.191664G	5.208246G	Inf	3
20.4M	5.18986G	5.21026G	16.522M	5.191694G	5.208216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

27/04/2021

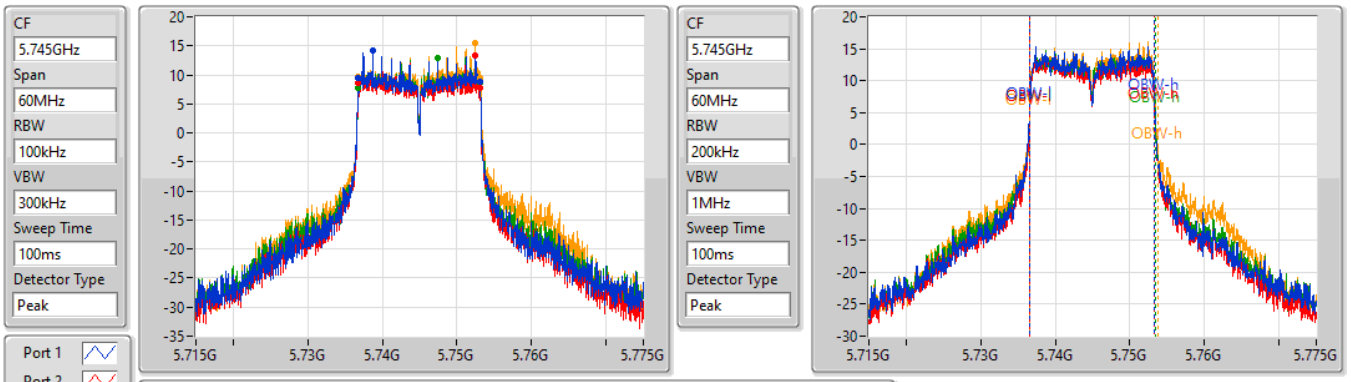


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.22962G	5.25002G	16.612M	5.231634G	5.248246G	Inf	1
20.7M	5.22965G	5.25035G	16.582M	5.231664G	5.248246G	Inf	2
20.58M	5.229777G	5.25035G	16.582M	5.231664G	5.248246G	Inf	3
20.01M	5.23022G	5.25023G	16.522M	5.231694G	5.248216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

27/04/2021

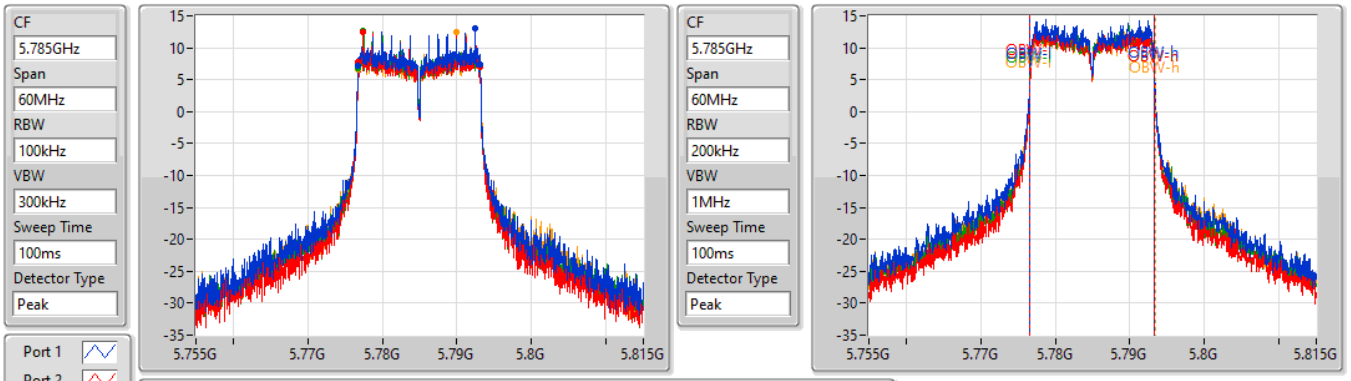


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73681G	5.75313G	16.792M	5.736544G	5.753336G	500k	1
16.32M	5.73681G	5.75313G	16.792M	5.736544G	5.753336G	500k	2
16.35M	5.73678G	5.75313G	16.882M	5.736514G	5.753396G	500k	3
16.32M	5.73681G	5.75313G	17.301M	5.736484G	5.753786G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

27/04/2021

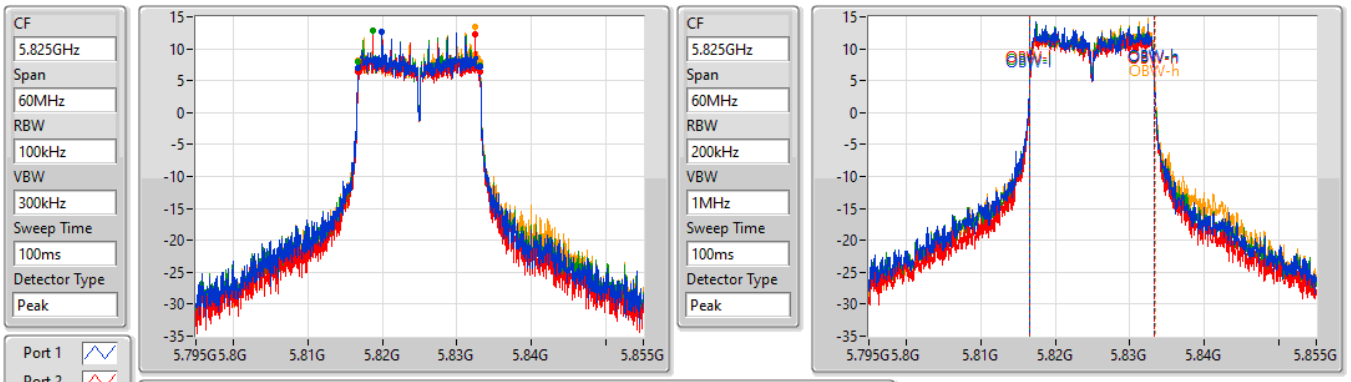


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77678G	5.79313G	16.732M	5.776574G	5.793306G	500k	1
16.32M	5.77681G	5.79313G	16.642M	5.776634G	5.793276G	500k	2
16.35M	5.77678G	5.79313G	16.702M	5.776604G	5.793306G	500k	3
16.35M	5.77678G	5.79313G	16.792M	5.776574G	5.793366G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

27/04/2021

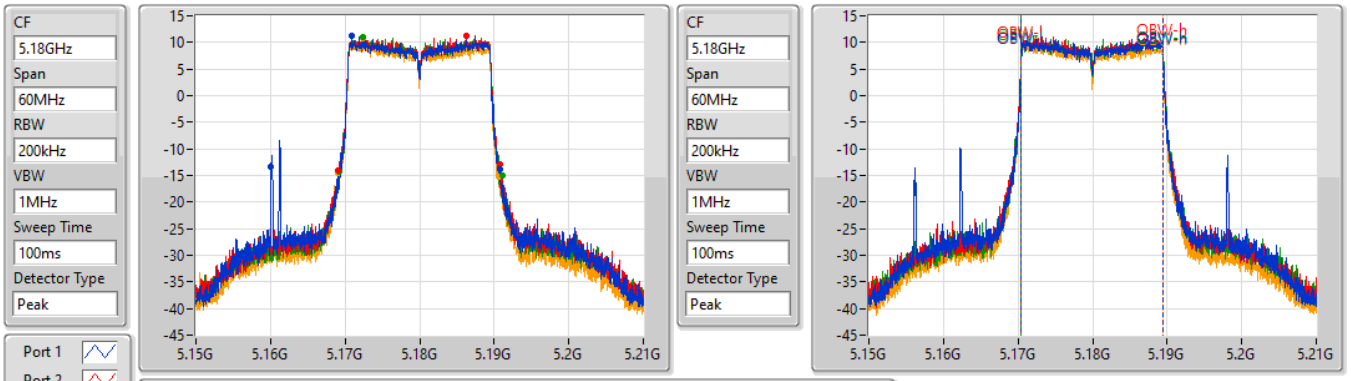


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.81678G	5.83313G	16.762M	5.816544G	5.833306G	500k	1
16.35M	5.81678G	5.83313G	16.672M	5.816604G	5.833276G	500k	2
16.32M	5.81681G	5.83313G	16.732M	5.816574G	5.833306G	500k	3
16.32M	5.81681G	5.83313G	16.852M	5.816574G	5.833426G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

30/04/2021

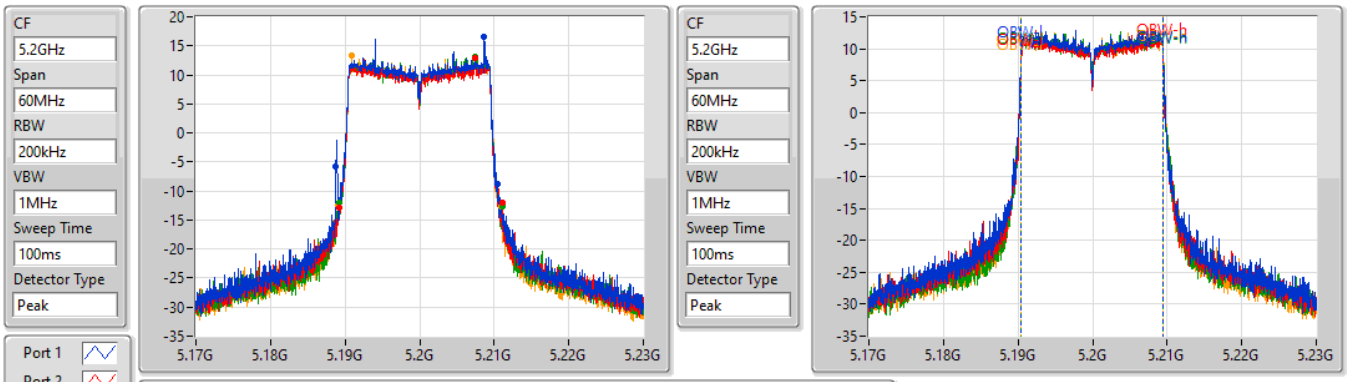


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.66M	5.16011G	5.19077G	19.07M	5.170435G	5.189505G	Inf	1
21.66M	5.16905G	5.19071G	19.04M	5.170435G	5.189475G	Inf	2
21.93M	5.16917G	5.1911G	19.07M	5.170435G	5.189505G	Inf	3
21.57M	5.16911G	5.19068G	19.04M	5.170435G	5.189475G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

28/04/2021

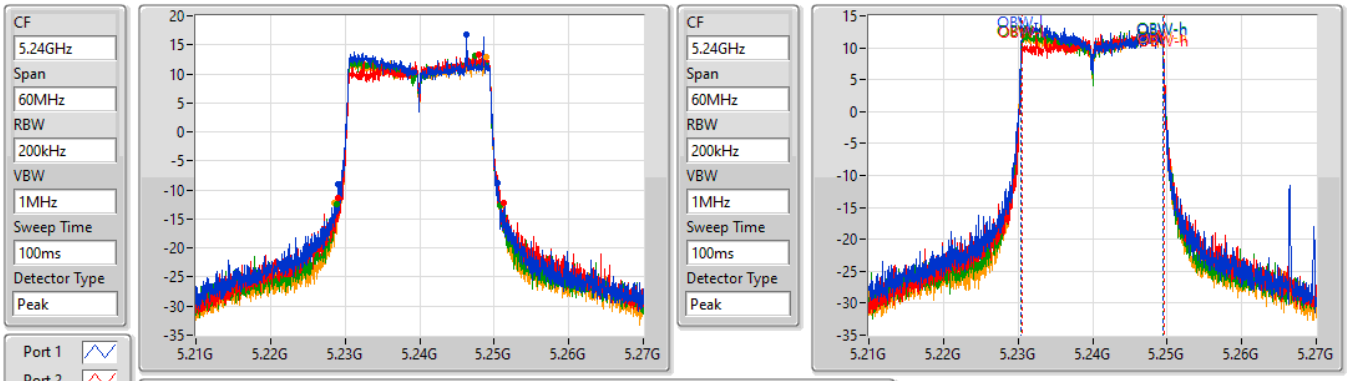


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.18878G	5.21047G	19.1M	5.190405G	5.209505G	Inf	1
21.93M	5.1892G	5.21113G	19.04M	5.190435G	5.209475G	Inf	2
21.96M	5.18914G	5.2111G	19.07M	5.190435G	5.209505G	Inf	3
21.96M	5.18899G	5.21095G	19.1M	5.190405G	5.209505G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

28/04/2021

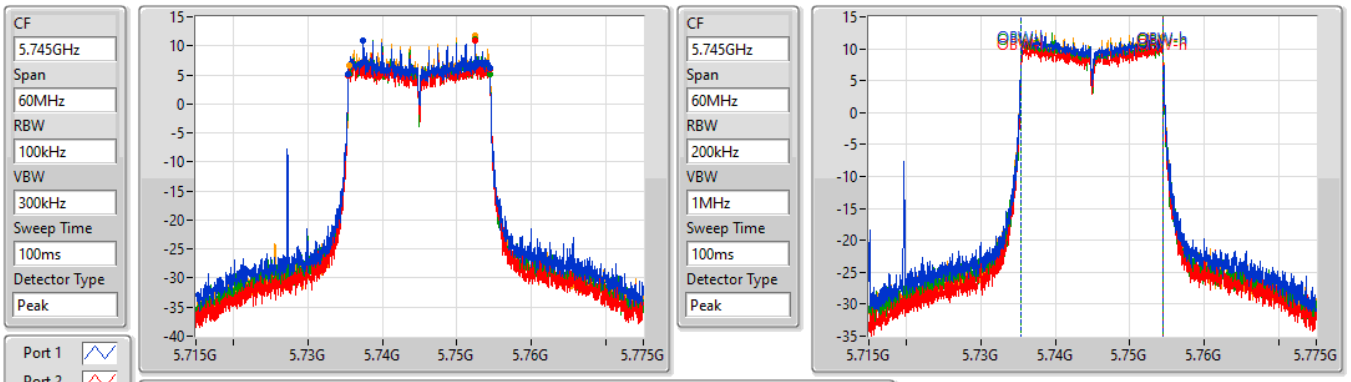


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.22902G	5.25047G	19.07M	5.230405G	5.249475G	Inf	1
22.14M	5.22908G	5.25122G	19.04M	5.230495G	5.249535G	Inf	2
21.96M	5.2289G	5.25086G	19.04M	5.230435G	5.249475G	Inf	3
22.29M	5.22863G	5.25092G	19.07M	5.230435G	5.249505G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

28/04/2021

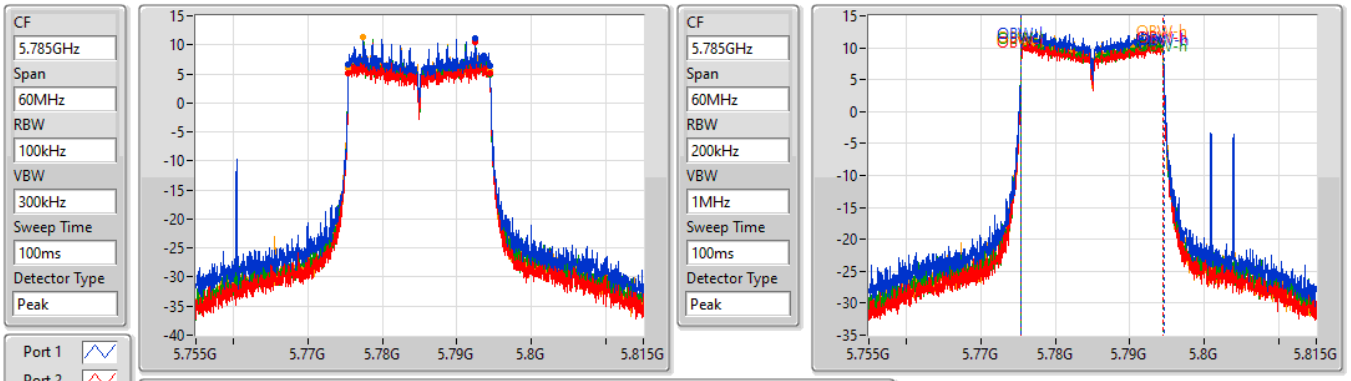


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.73543G	5.75448G	19.1M	5.735405G	5.754505G	500k	1
18.9M	5.73546G	5.75436G	19.04M	5.735435G	5.754475G	500k	2
18.93M	5.73549G	5.75442G	19.04M	5.735435G	5.754475G	500k	3
18.96M	5.73549G	5.75445G	19.07M	5.735435G	5.754505G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

28/04/2021

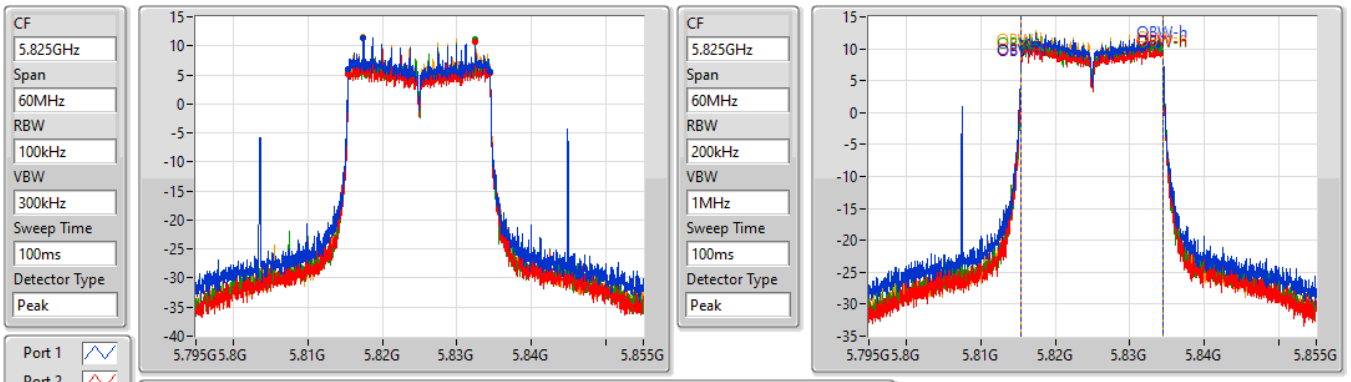


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.02M	5.77546G	5.79448G	19.1M	5.775435G	5.794535G	500k	1
18.99M	5.77546G	5.79445G	19.04M	5.775435G	5.794475G	500k	2
19.02M	5.77546G	5.79448G	19.07M	5.775435G	5.794505G	500k	3
19.02M	5.77546G	5.79448G	19.04M	5.775435G	5.794475G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

28/04/2021

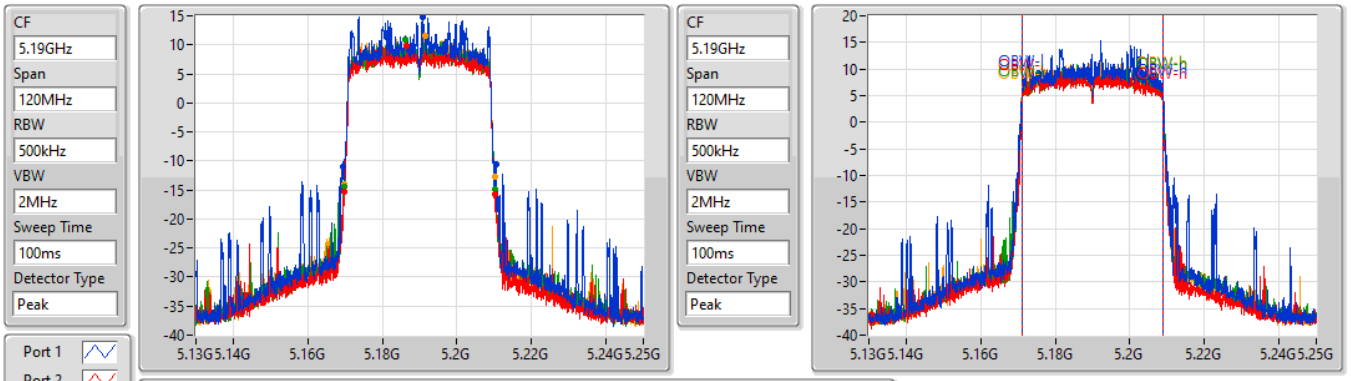


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.81543G	5.83439G	19.13M	5.815375G	5.834505G	500k	1
18.93M	5.81546G	5.83439G	19.07M	5.815405G	5.834475G	500k	2
19.02M	5.81543G	5.83445G	19.04M	5.815435G	5.834475G	500k	3
18.93M	5.81549G	5.83442G	19.04M	5.815435G	5.834475G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

28/04/2021

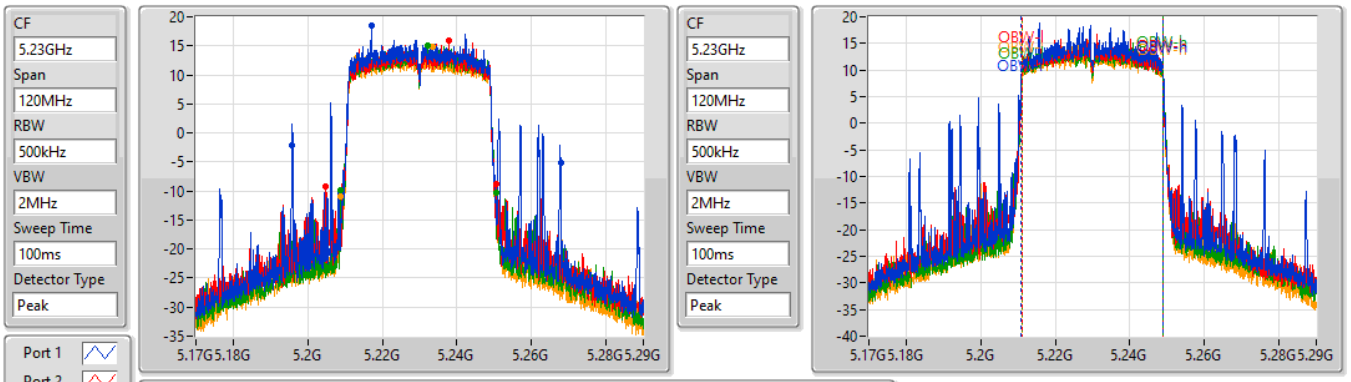


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.16942G	5.21052G	37.541M	5.171229G	5.208771G	Inf	1
40.44M	5.16972G	5.21016G	37.661M	5.171109G	5.208771G	Inf	2
40.38M	5.16984G	5.21022G	37.661M	5.171109G	5.208771G	Inf	3
40.44M	5.16972G	5.21016G	37.721M	5.171109G	5.208831G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

28/04/2021

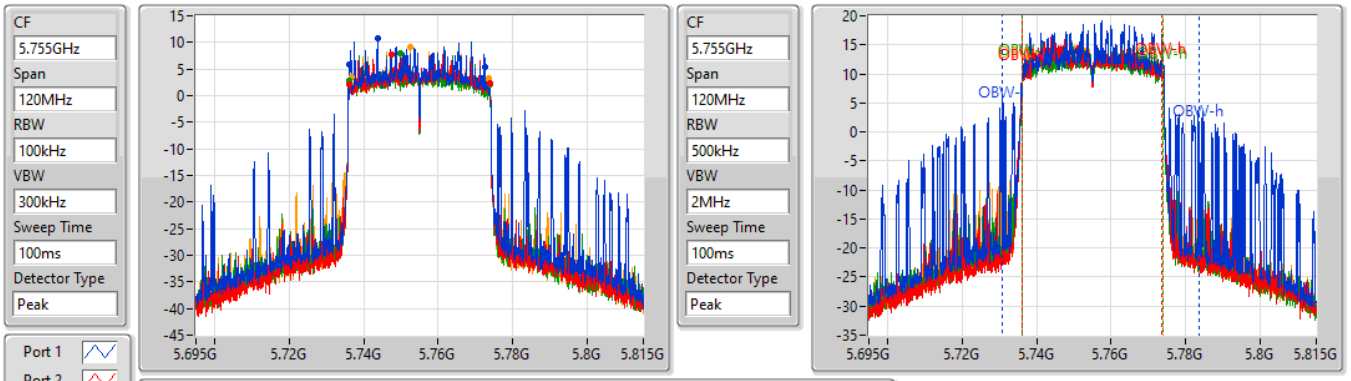


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.18M	5.19562G	5.2678G	38.081M	5.21081G	5.248891G	Inf	1
45.84M	5.20474G	5.25058G	37.721M	5.211049G	5.248771G	Inf	2
41.64M	5.20888G	5.25052G	37.661M	5.211169G	5.248831G	Inf	3
41.64M	5.20882G	5.25046G	37.721M	5.211109G	5.248831G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

28/04/2021

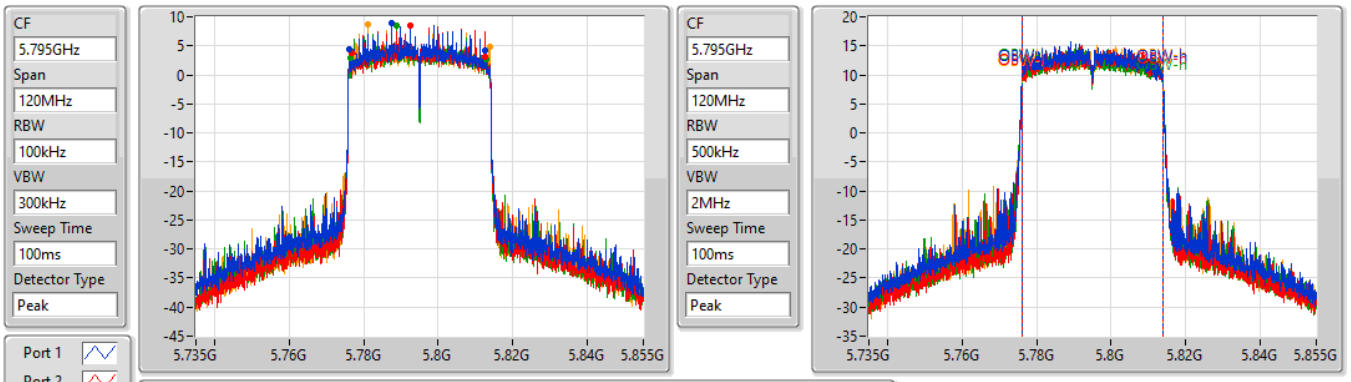


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73628G	5.77258G	52.834M	5.730832G	5.783666G	500k	1
37.56M	5.73616G	5.77372G	37.601M	5.736109G	5.773711G	500k	2
37.68M	5.73622G	5.7739G	37.661M	5.736109G	5.773771G	500k	3
36.6M	5.73688G	5.77348G	37.661M	5.736109G	5.773771G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

28/04/2021

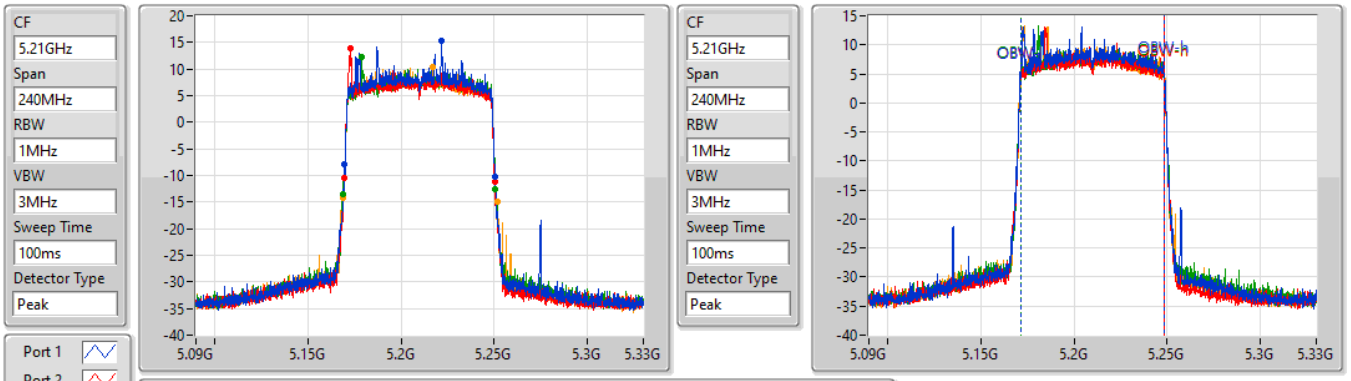


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.42M	5.7761G	5.81252G	37.721M	5.776109G	5.813831G	500k	1
35.7M	5.77682G	5.81252G	37.721M	5.776109G	5.813831G	500k	2
36.42M	5.77658G	5.813G	37.721M	5.776109G	5.813831G	500k	3
36.48M	5.77724G	5.81372G	37.721M	5.776109G	5.813831G	500k	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

28/04/2021

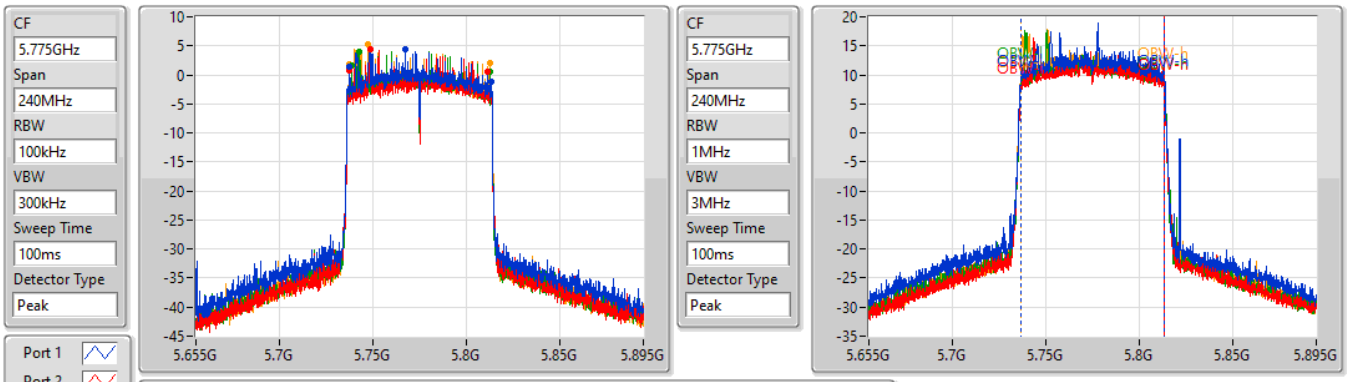


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.76M	5.16956G	5.25032G	77.121M	5.171379G	5.248501G	Inf	1
80.88M	5.16956G	5.25044G	77.121M	5.171379G	5.248501G	Inf	2
82.08M	5.1686G	5.25068G	77.121M	5.171379G	5.248501G	Inf	3
83.04M	5.16896G	5.252G	77.001M	5.171499G	5.248501G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

28/04/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.32M	5.73744G	5.81376G	77.121M	5.736379G	5.813501G	500k	1
73.8M	5.73744G	5.81124G	77.001M	5.736499G	5.813501G	500k	2
73.92M	5.73864G	5.81256G	77.121M	5.736379G	5.813501G	500k	3
75M	5.73744G	5.81244G	77.121M	5.736379G	5.813501G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	23.04M	19.1M	19M1D1D	21.42M	19.04M
802.11ax HEW40_Nss4,(MCS0)_4TX	40.92M	37.721M	37M7D1D	40.08M	37.601M
802.11ax HEW80_Nss4,(MCS0)_4TX	82.44M	77.121M	77M1D1D	81.6M	76.882M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	19.08M	19.34M	19M3D1D	18.9M	19.1M
802.11ax HEW40_Nss4,(MCS0)_4TX	37.86M	37.961M	38M0D1D	35.04M	37.781M
802.11ax HEW80_Nss4,(MCS0)_4TX	75.12M	77.121M	77M1D1D	70.32M	77.001M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% 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

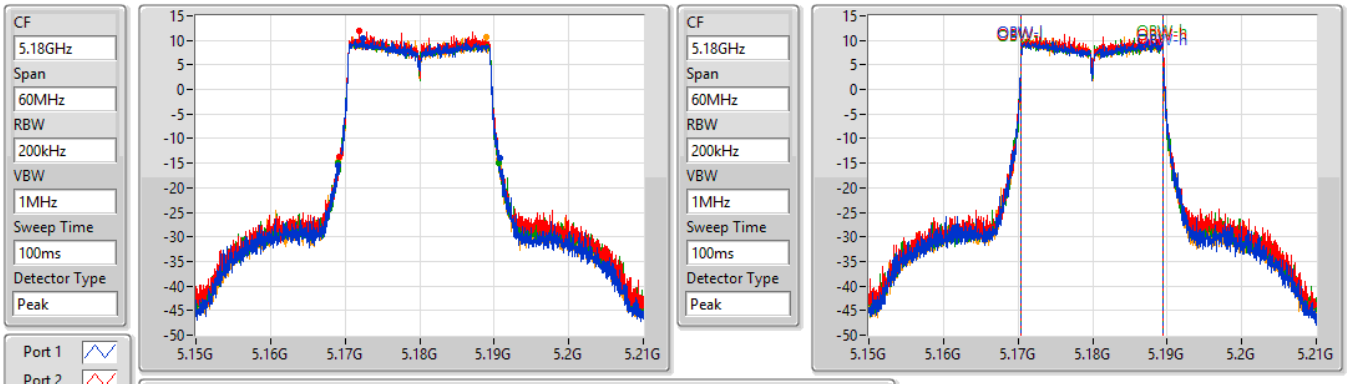
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.75M	19.07M	21.51M	19.07M	21.54M	19.04M	21.57M	19.04M
5200MHz	Pass	Inf	22.77M	19.07M	21.96M	19.07M	22.26M	19.07M	21.42M	19.07M
5240MHz	Pass	Inf	22.2M	19.07M	23.04M	19.07M	21.81M	19.1M	21.45M	19.04M
5745MHz	Pass	500k	18.9M	19.34M	19.05M	19.22M	19.02M	19.19M	19.05M	19.22M
5785MHz	Pass	500k	19.05M	19.1M	19.08M	19.13M	19.05M	19.13M	19.08M	19.1M
5825MHz	Pass	500k	19.05M	19.1M	19.02M	19.1M	18.96M	19.1M	19.05M	19.1M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.92M	37.601M	40.32M	37.601M	40.44M	37.661M	40.26M	37.661M
5230MHz	Pass	Inf	40.44M	37.721M	40.32M	37.661M	40.08M	37.661M	40.2M	37.721M
5755MHz	Pass	500k	35.82M	37.961M	35.04M	37.841M	37.86M	37.901M	37.68M	37.901M
5795MHz	Pass	500k	36.3M	37.841M	37.14M	37.781M	37.62M	37.841M	37.74M	37.841M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.72M	77.001M	82.44M	76.882M	81.6M	77.001M	81.6M	77.121M
5775MHz	Pass	500k	73.8M	77.121M	75M	77.001M	75.12M	77.121M	70.32M	77.001M

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

5180MHz

06/05/2021

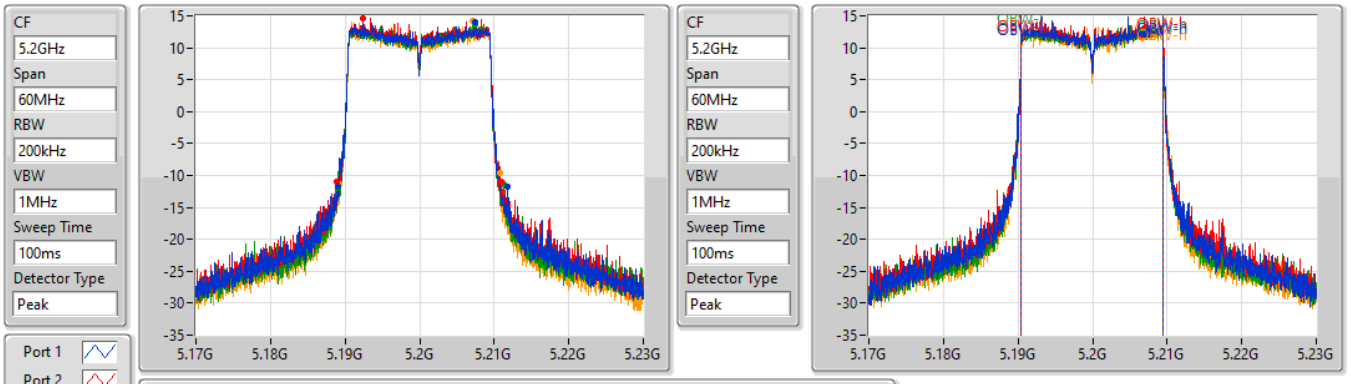


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.16899G	5.19074G	19.07M	5.170435G	5.189505G	Inf	1
21.51M	5.16926G	5.19077G	19.07M	5.170435G	5.189505G	Inf	2
21.54M	5.16911G	5.19065G	19.04M	5.170435G	5.189475G	Inf	3
21.57M	5.16911G	5.19068G	19.04M	5.170435G	5.189475G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX EBW

5200MHz

05/05/2021

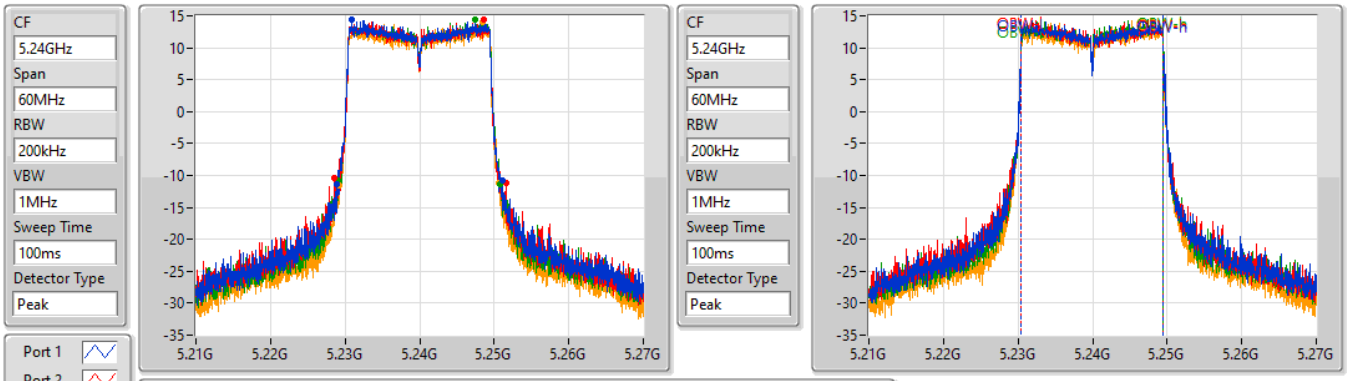


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.77M	5.18902G	5.21179G	19.07M	5.190435G	5.209505G	Inf	1
21.96M	5.18896G	5.21092G	19.07M	5.190435G	5.209505G	Inf	2
22.26M	5.18899G	5.21125G	19.07M	5.190435G	5.209505G	Inf	3
21.42M	5.18929G	5.21071G	19.07M	5.190435G	5.209505G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX EBW

5240MHz

05/05/2021

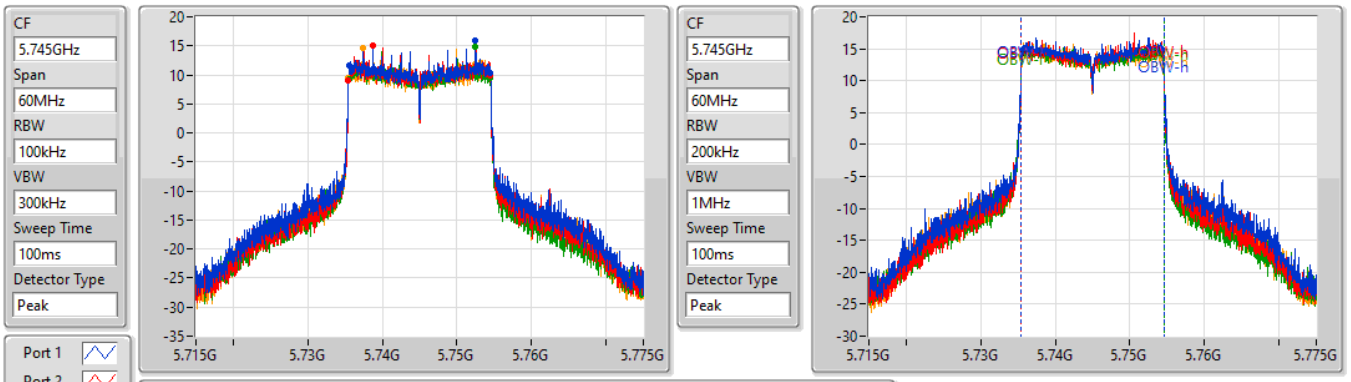


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.2M	5.22887G	5.25107G	19.07M	5.230435G	5.249505G	Inf	1
23.04M	5.22857G	5.25161G	19.07M	5.230435G	5.249505G	Inf	2
21.81M	5.22899G	5.2508G	19.1M	5.230405G	5.249505G	Inf	3
21.45M	5.22917G	5.25062G	19.04M	5.230435G	5.249475G	Inf	4

802.11ax HEW20_Nss4,(MCS0)_4TX EBW

5745MHz

05/05/2021

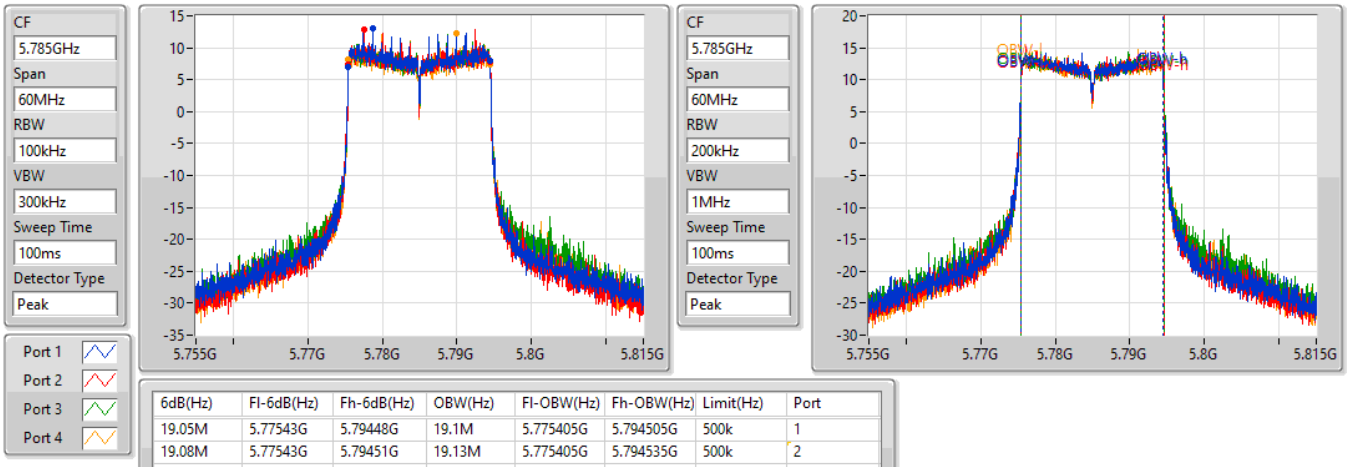


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	5.73561G	5.75451G	19.34M	5.7353345G	5.754685G	500k	1
19.05M	5.73546G	5.75451G	19.22M	5.7354405G	5.754625G	500k	2
19.02M	5.73549G	5.75451G	19.19M	5.7353375G	5.754565G	500k	3
19.05M	5.73546G	5.75451G	19.22M	5.7353375G	5.754595G	500k	4

802.11ax HEW20_Nss4,(MCS0)_4TX EBW

5785MHz

05/05/2021

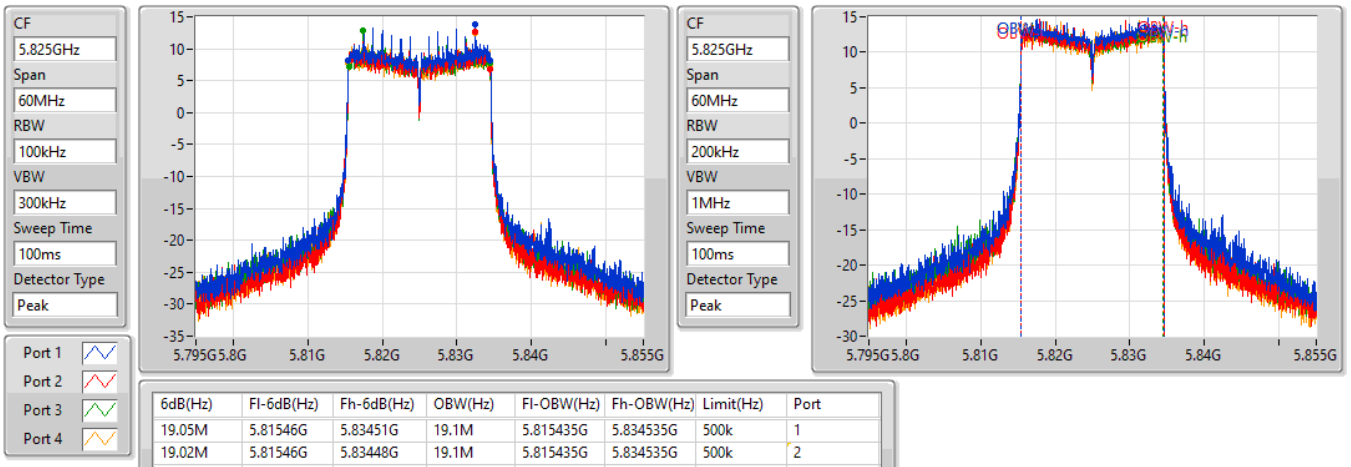


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.77543G	5.79448G	19.1M	5.775405G	5.794505G	500k	1
19.08M	5.77543G	5.79451G	19.13M	5.775405G	5.794535G	500k	2
19.05M	5.77543G	5.79448G	19.13M	5.775405G	5.794535G	500k	3
19.08M	5.77543G	5.79451G	19.1M	5.775435G	5.794535G	500k	4

802.11ax HEW20_Nss4,(MCS0)_4TX EBW

5825MHz

05/05/2021

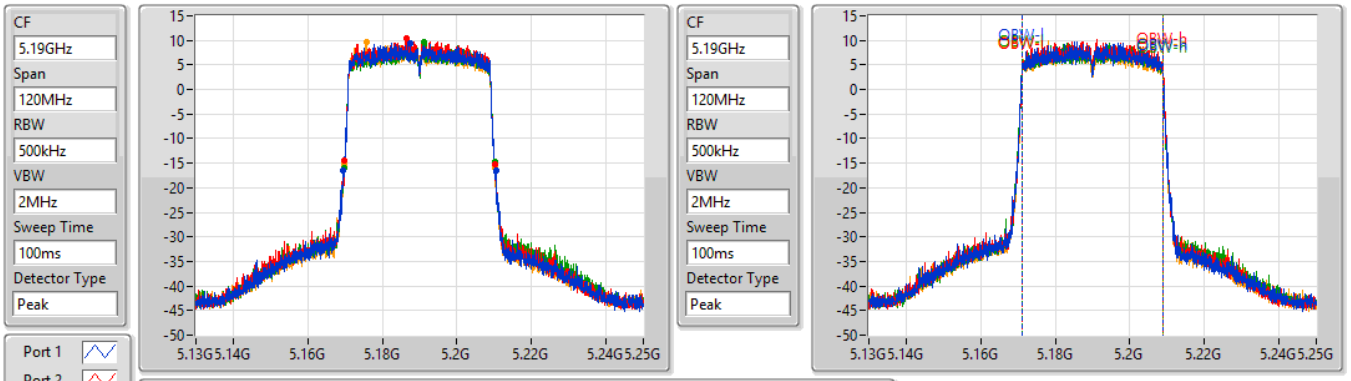


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.81546G	5.83451G	19.1M	5.815435G	5.834535G	500k	1
19.02M	5.81546G	5.83448G	19.1M	5.815435G	5.834535G	500k	2
18.96M	5.81549G	5.83445G	19.1M	5.815405G	5.834505G	500k	3
19.05M	5.81543G	5.83448G	19.1M	5.815405G	5.834505G	500k	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

5190MHz

06/05/2021

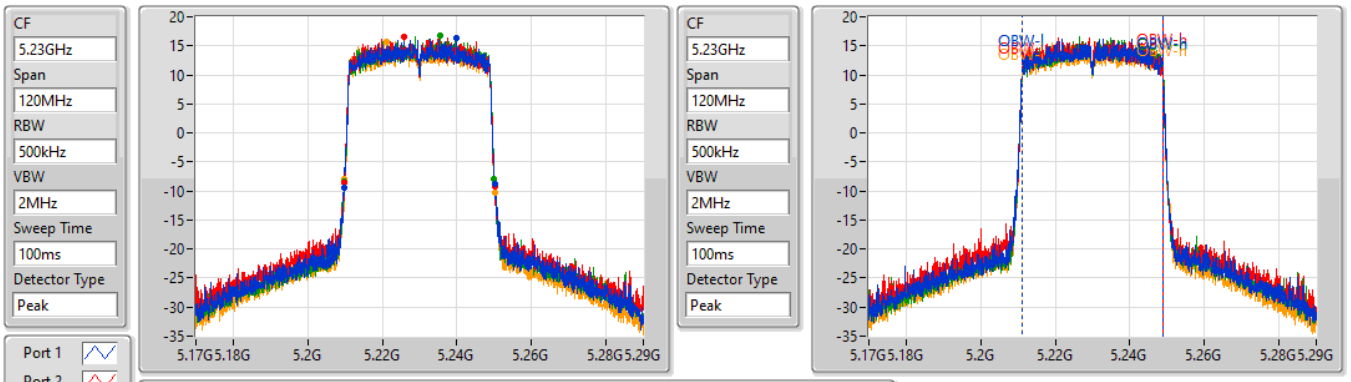


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.92M	5.16948G	5.2104G	37.601M	5.171169G	5.208771G	Inf	1
40.32M	5.16978G	5.2101G	37.601M	5.171169G	5.208771G	Inf	2
40.44M	5.16966G	5.2101G	37.661M	5.171109G	5.208771G	Inf	3
40.26M	5.1699G	5.21016G	37.661M	5.171109G	5.208771G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

5230MHz

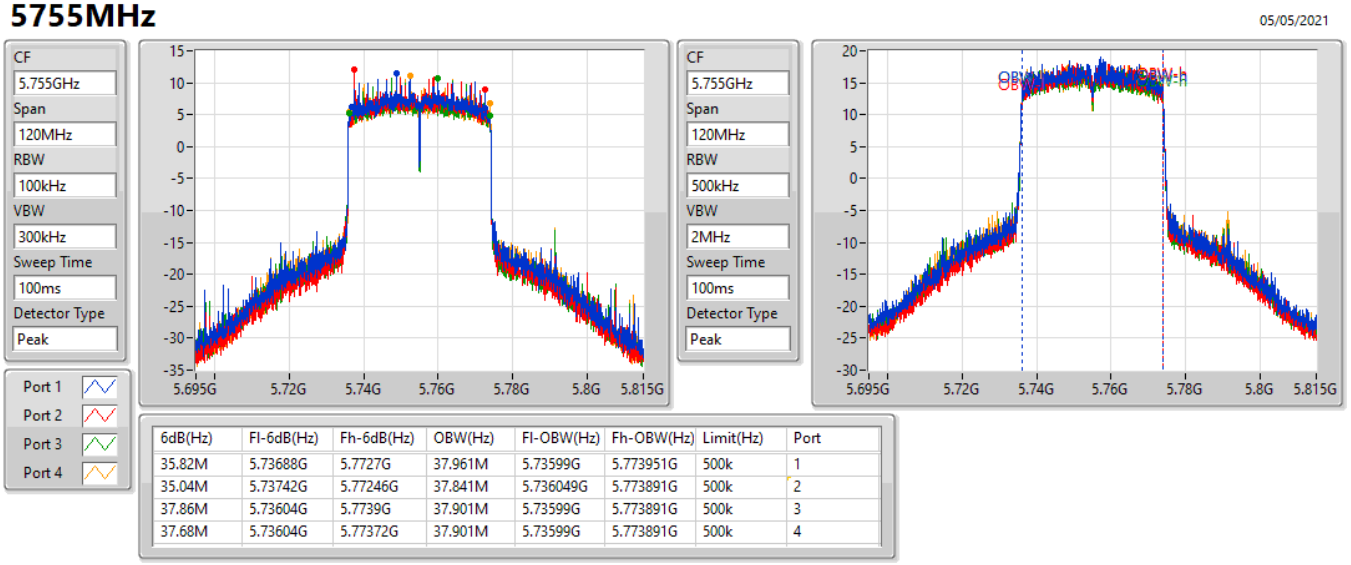
05/05/2021



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	5.20984G	5.25028G	37.721M	5.211109G	5.248831G	Inf	1
40.32M	5.2099G	5.25022G	37.661M	5.211109G	5.248771G	Inf	2
40.08M	5.2099G	5.24998G	37.661M	5.211169G	5.248831G	Inf	3
40.2M	5.2099G	5.2501G	37.721M	5.211109G	5.248831G	Inf	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

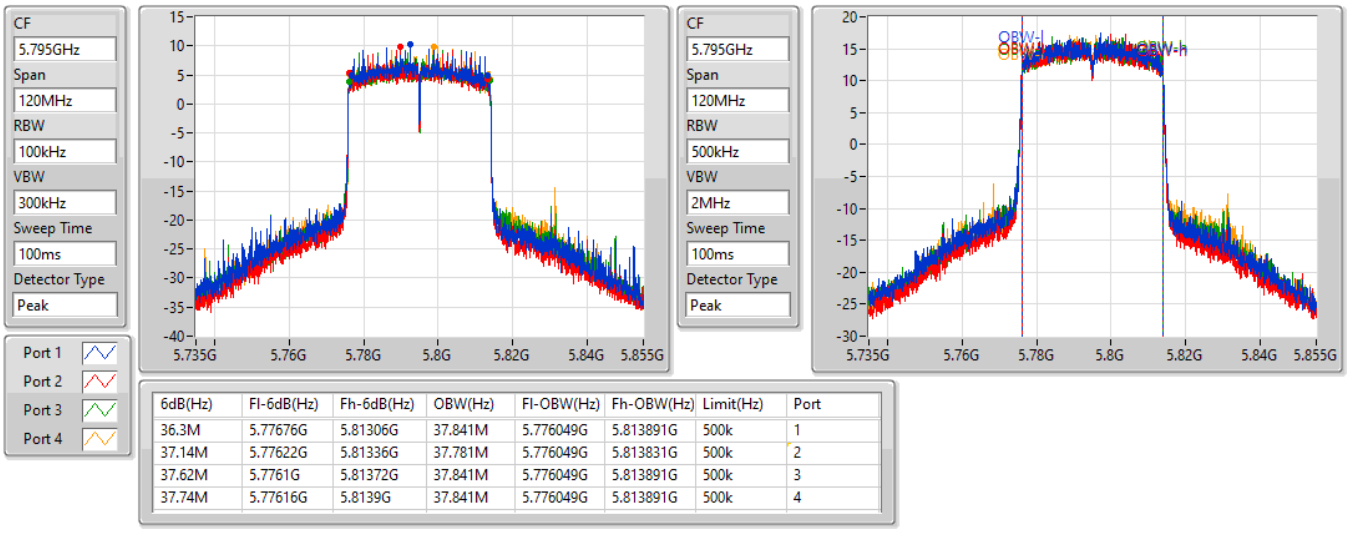
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.82M	5.73688G	5.7727G	37.961M	5.73599G	5.773951G	500k	1
35.04M	5.73742G	5.77246G	37.841M	5.736049G	5.773891G	500k	2
37.86M	5.73604G	5.7739G	37.901M	5.73599G	5.773891G	500k	3
37.68M	5.73604G	5.77372G	37.901M	5.73599G	5.773891G	500k	4

802.11ax HEW40_Nss4,(MCS0)_4TX EBW

5795MHz

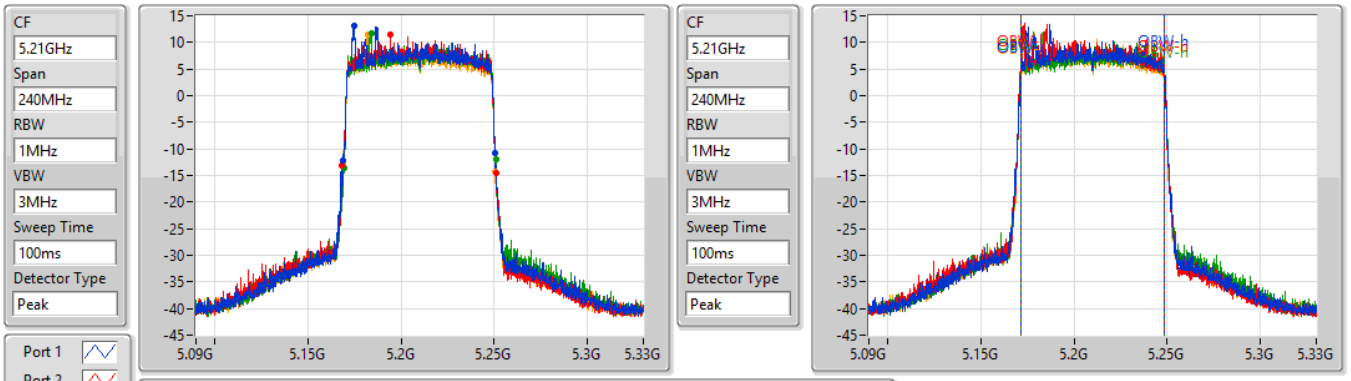


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77676G	5.81306G	37.841M	5.776049G	5.813891G	500k	1
37.14M	5.77622G	5.81336G	37.781M	5.776049G	5.813831G	500k	2
37.62M	5.7761G	5.81372G	37.841M	5.776049G	5.813891G	500k	3
37.74M	5.77616G	5.8139G	37.841M	5.776049G	5.813891G	500k	4

802.11ax HEW80_Nss4,(MCS0)_4TX EBW

5210MHz

06/05/2021

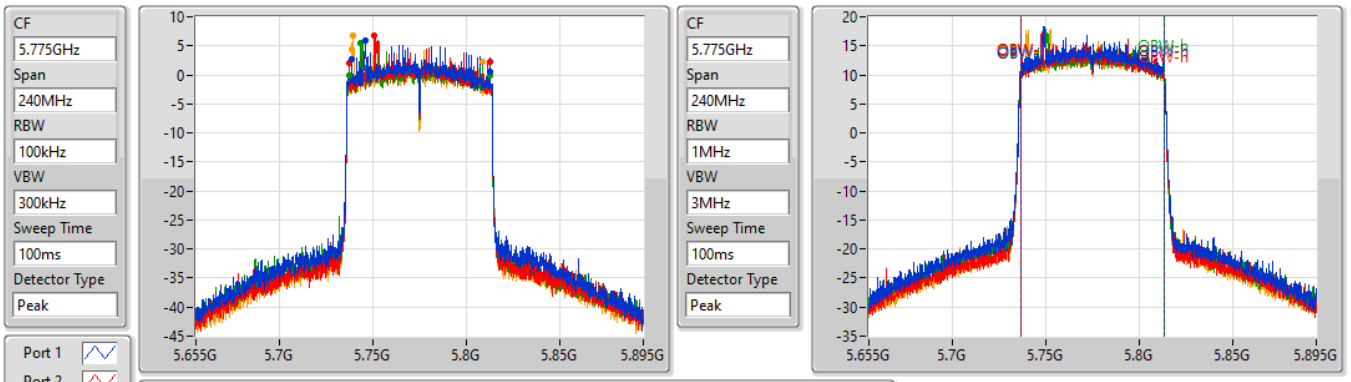


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.72M	5.16884G	5.25056G	77.001M	5.171499G	5.248501G	Inf	1
82.44M	5.16848G	5.25092G	76.882M	5.171499G	5.248381G	Inf	2
81.6M	5.16932G	5.25092G	77.001M	5.171499G	5.248501G	Inf	3
81.6M	5.16908G	5.25068G	77.121M	5.171379G	5.248501G	Inf	4

802.11ax HEW80_Nss4,(MCS0)_4TX EBW

5775MHz

05/05/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.73876G	5.81256G	77.121M	5.736379G	5.813501G	500k	1
75M	5.73744G	5.81244G	77.001M	5.736379G	5.813381G	500k	2
75.12M	5.73732G	5.81244G	77.121M	5.736379G	5.813501G	500k	3
70.32M	5.7384G	5.80872G	77.001M	5.736379G	5.813381G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.35	0.86099
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.28	0.84723
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.93	0.62087
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.77	0.18923
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.76	0.94624
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.17	0.65615
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	28.01	0.63241
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	26.87	0.48641

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	-	-	-	-	-	-	-	-
5180MHz	Pass	2.21	21.51	21.16	21.58	20.43	27.21	30.00
5200MHz	Pass	2.21	23.67	23.10	23.47	23.05	29.35	30.00
5240MHz	Pass	2.21	23.77	23.17	23.34	22.85	29.32	30.00
5745MHz	Pass	3.45	23.87	23.12	23.50	24.38	29.76	30.00
5785MHz	Pass	3.45	24.20	23.22	23.57	23.36	29.62	30.00
5825MHz	Pass	3.45	23.60	23.02	23.55	23.92	29.55	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.02	20.89	21.23	21.21	20.19	26.92	29.98
5200MHz	Pass	6.02	23.38	22.89	23.19	23.01	29.14	29.98
5240MHz	Pass	6.02	23.46	23.24	23.35	22.97	29.28	29.98
5745MHz	Pass	7.72	22.06	21.67	21.85	22.33	28.01	28.28
5785MHz	Pass	7.72	22.51	21.65	21.89	22.47	28.17	28.28
5825MHz	Pass	7.72	22.25	21.52	21.67	22.28	27.96	28.28
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.02	18.23	17.65	17.74	18.19	23.98	29.98
5230MHz	Pass	6.02	22.15	21.78	22.09	21.61	27.93	29.98
5755MHz	Pass	7.72	22.17	21.47	21.74	22.20	27.93	28.28
5795MHz	Pass	7.72	22.31	21.65	21.79	22.16	28.01	28.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.02	17.26	16.43	16.69	16.58	22.77	29.98
5775MHz	Pass	7.72	21.37	20.51	20.65	20.80	26.87	28.28

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	29.15	0.82224
802.11ax HEW40_Nss4,(MCS0)_4TX	28.15	0.65313
802.11ax HEW80_Nss4,(MCS0)_4TX	22.66	0.18450
5.725-5.85GHz	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	29.45	0.88105
802.11ax HEW40_Nss4,(MCS0)_4TX	29.37	0.86497
802.11ax HEW80_Nss4,(MCS0)_4TX	27.35	0.54325

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	-	-	-	-	-	-	-	-
5180MHz	Pass	0.62	20.07	20.89	20.40	20.21	26.42	30.00
5200MHz	Pass	0.62	23.25	23.44	23.14	22.67	29.15	30.00
5240MHz	Pass	0.62	23.38	23.24	23.21	22.60	29.14	30.00
5745MHz	Pass	1.80	23.83	23.49	23.22	23.15	29.45	30.00
5785MHz	Pass	1.80	23.71	22.60	23.50	23.20	29.29	30.00
5825MHz	Pass	1.80	23.79	23.11	23.08	22.77	29.22	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	0.62	16.69	17.11	16.43	16.15	22.63	30.00
5230MHz	Pass	0.62	21.80	22.45	22.52	21.69	28.15	30.00
5755MHz	Pass	1.80	23.78	23.40	23.03	23.13	29.37	30.00
5795MHz	Pass	1.80	23.62	22.64	23.31	23.12	29.21	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	0.62	16.86	17.14	16.35	16.13	22.66	30.00
5775MHz	Pass	1.80	21.77	21.29	21.16	21.06	27.35	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.75
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.04
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.56
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.34
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.74
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.24
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	9.86
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	5.84

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

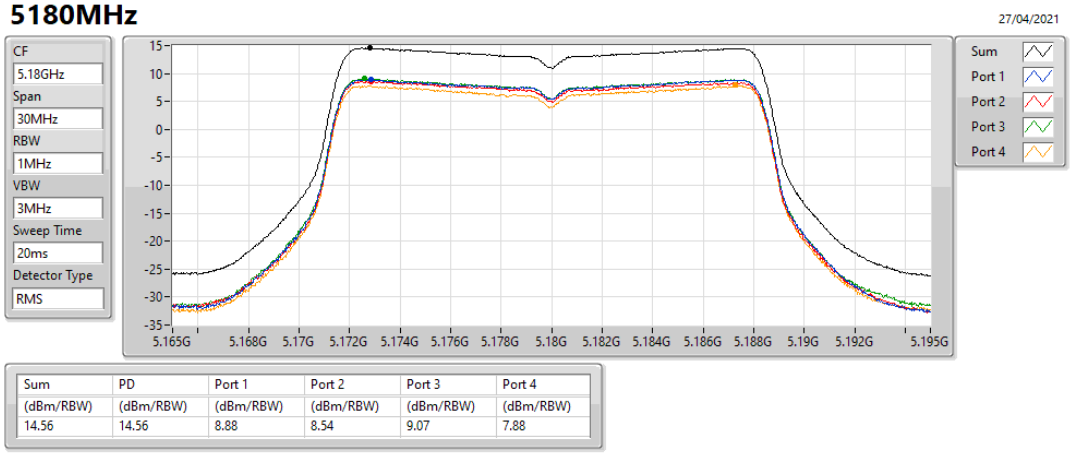
Result

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	-	-	-	-	-	-	-	-
5180MHz	Pass	6.02	8.88	8.54	9.07	7.88	14.56	16.98
5200MHz	Pass	6.02	11.17	10.63	11.10	10.32	16.69	16.98
5240MHz	Pass	6.02	11.39	10.67	10.94	10.50	16.75	16.98
5745MHz	Pass	7.72	10.02	9.17	9.63	10.73	15.74	28.28
5785MHz	Pass	7.72	10.19	9.10	9.31	9.44	15.45	28.28
5825MHz	Pass	7.72	9.73	8.93	9.41	10.13	15.33	28.28
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.02	8.04	8.40	8.31	7.41	13.82	16.98
5200MHz	Pass	6.02	10.03	9.23	9.92	9.69	15.50	16.98
5240MHz	Pass	6.02	11.11	10.87	10.26	9.79	16.04	16.98
5745MHz	Pass	7.72	7.79	6.66	7.01	8.01	13.21	28.28
5785MHz	Pass	7.72	8.09	6.58	7.24	7.46	13.24	28.28
5825MHz	Pass	7.72	7.82	6.15	6.60	7.51	12.82	28.28
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.02	2.43	0.57	1.22	1.73	7.36	16.98
5230MHz	Pass	6.02	6.48	5.50	5.66	5.04	11.56	16.98
5755MHz	Pass	7.72	4.60	3.86	3.84	3.94	9.86	28.28
5795MHz	Pass	7.72	4.51	4.05	3.55	3.76	9.71	28.28
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.02	-2.00	-2.91	-2.53	-2.75	3.34	16.98
5775MHz	Pass	7.72	0.78	-0.71	-0.26	0.20	5.84	28.28

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 PSD

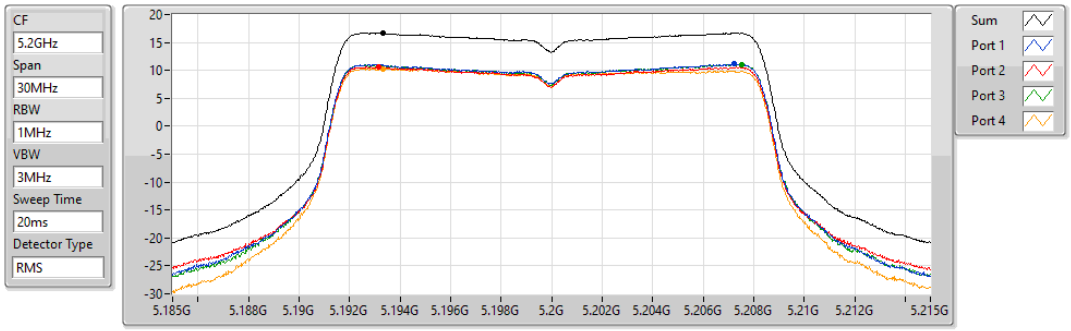
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.56	14.56	8.88	8.54	9.07	7.88

802.11a_Nss1,(6Mbps)_4TX PSD

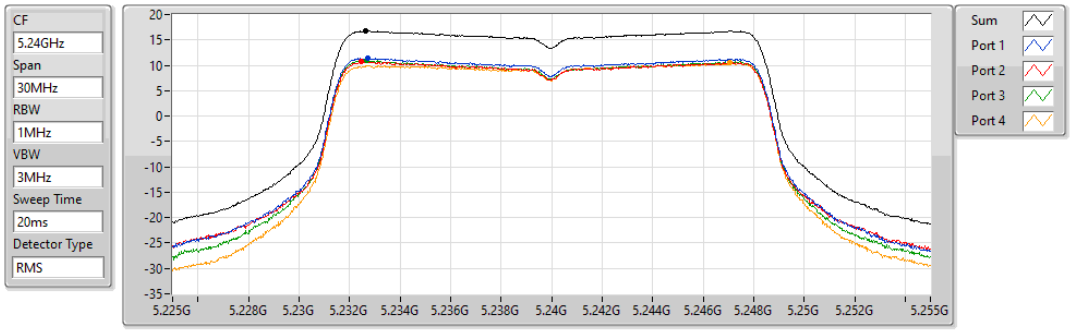
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.69	16.69	11.17	10.63	11.10	10.32

802.11a_Nss1,(6Mbps)_4TX PSD

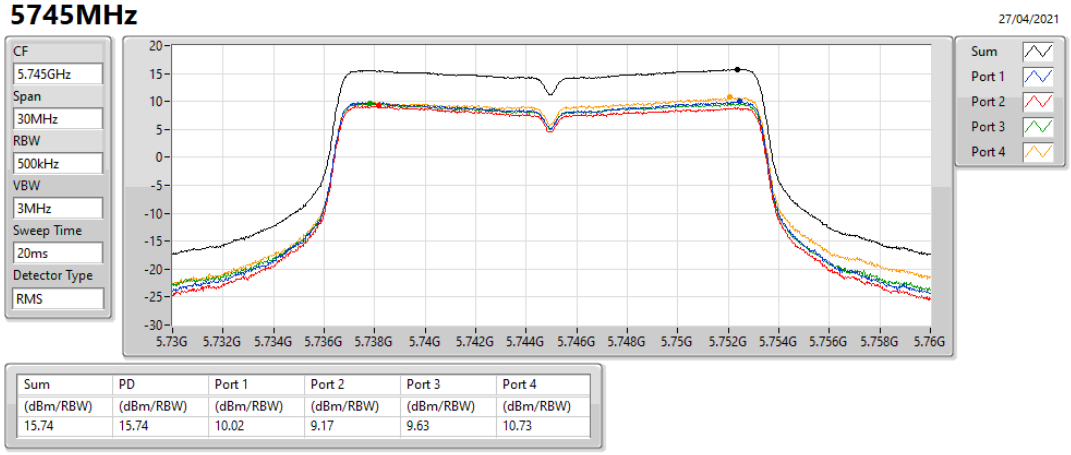
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.75	16.75	11.39	10.67	10.94	10.50

802.11a_Nss1,(6Mbps)_4TX PSD

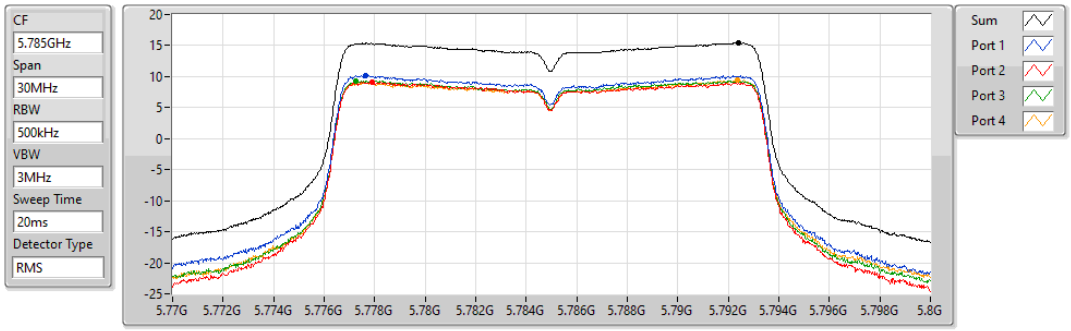
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.74	15.74	10.02	9.17	9.63	10.73

802.11a_Nss1,(6Mbps)_4TX PSD

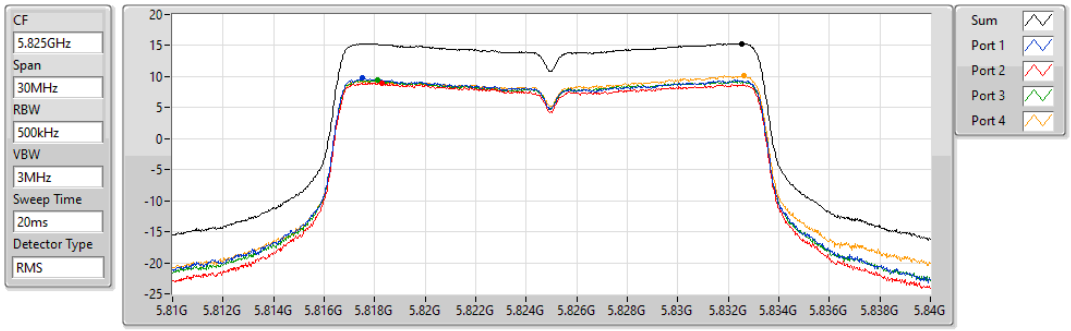
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.45	15.45	10.19	9.10	9.31	9.44

802.11a_Nss1,(6Mbps)_4TX PSD

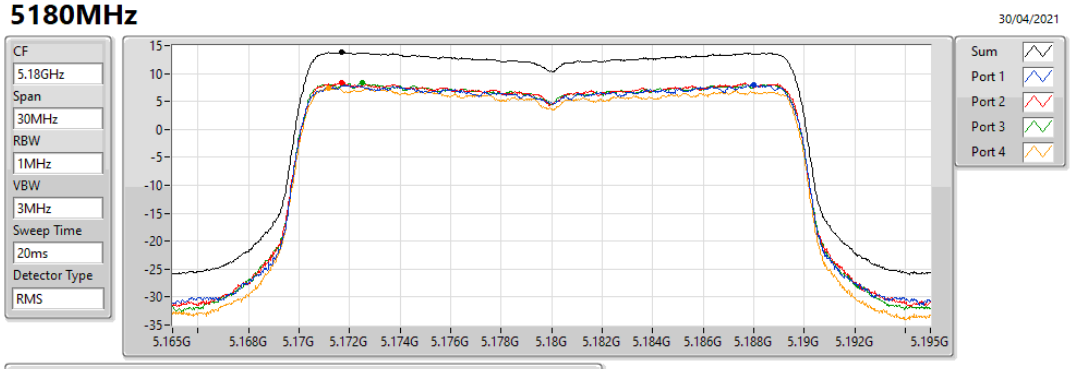
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.33	15.33	9.73	8.93	9.41	10.13

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

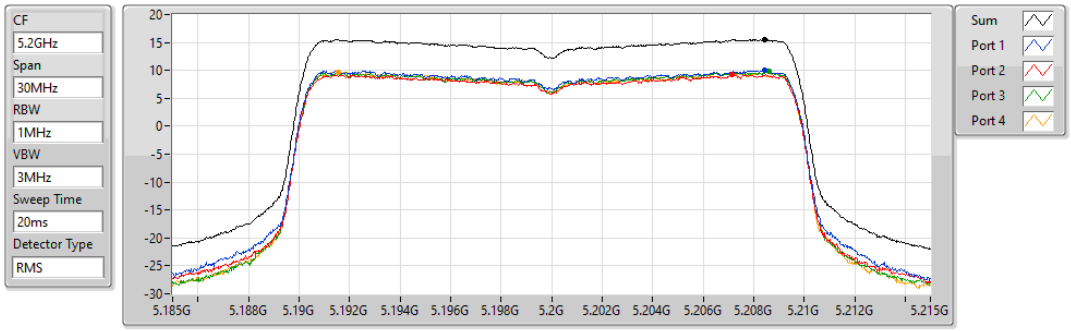
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.82	13.82	8.04	8.40	8.31	7.41

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

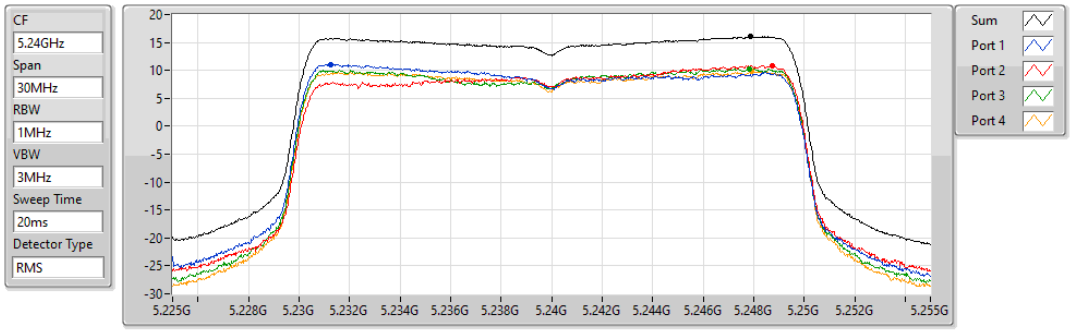
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.50	15.50	10.03	9.23	9.92	9.69

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

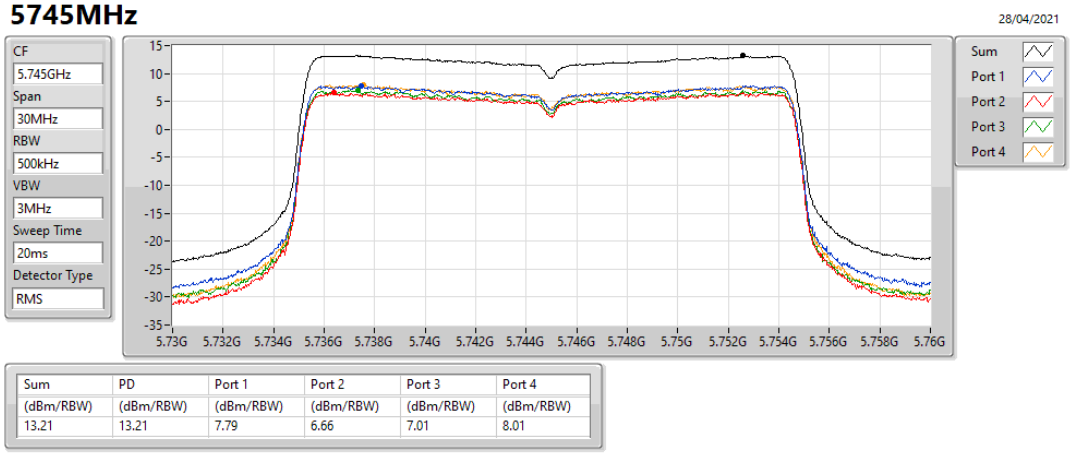
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.04	16.04	11.11	10.87	10.26	9.79

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

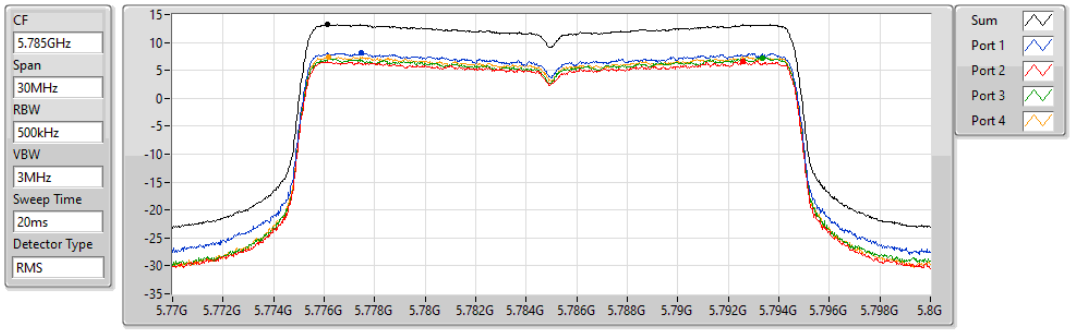
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.21	13.21	7.79	6.66	7.01	8.01

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

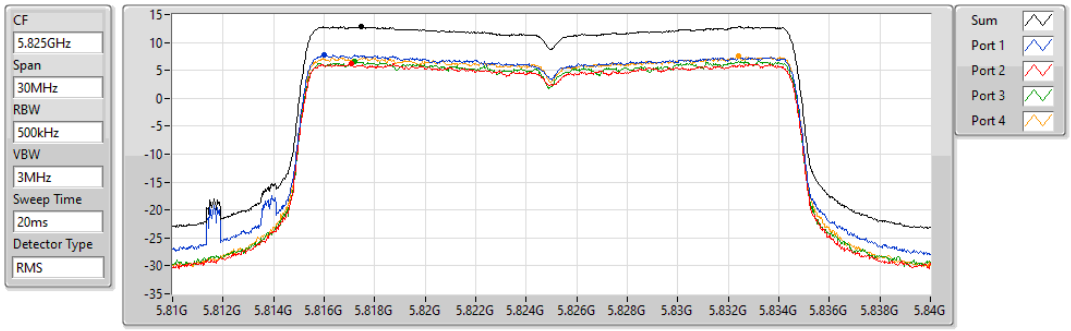
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.24	13.24	8.09	6.58	7.24	7.46

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

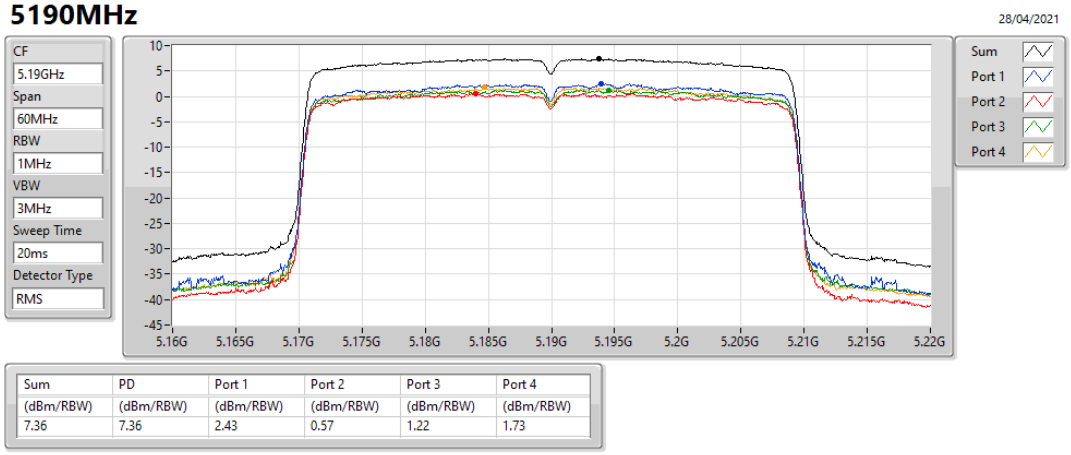
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.82	12.82	7.82	6.15	6.60	7.51

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

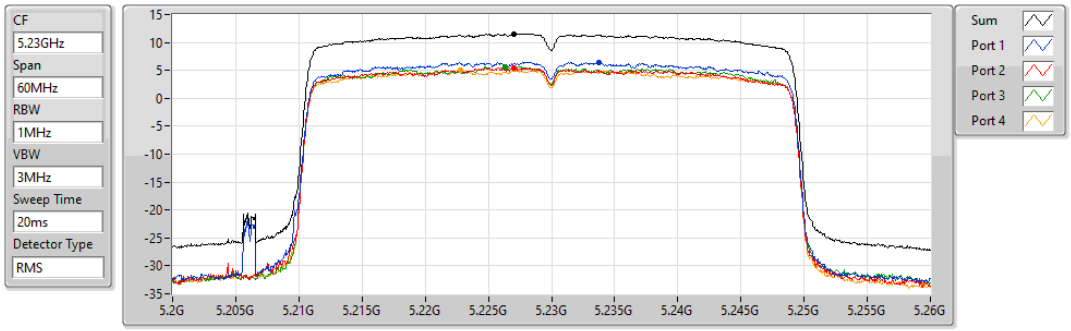
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.36	7.36	2.43	0.57	1.22	1.73

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

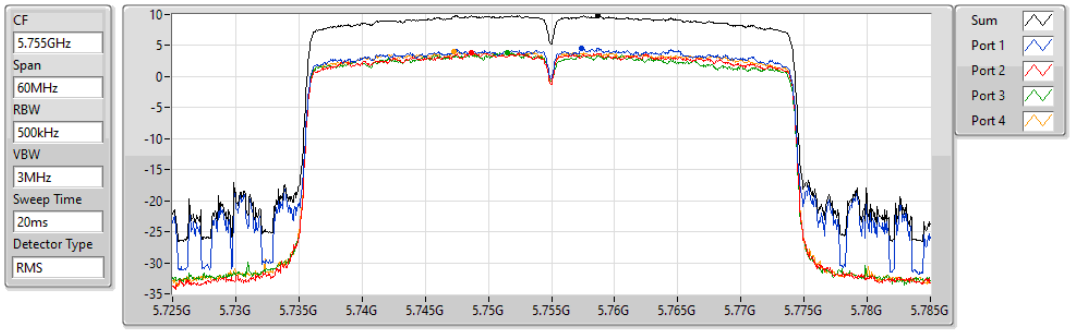
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.56	11.56	6.48	5.50	5.66	5.04

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

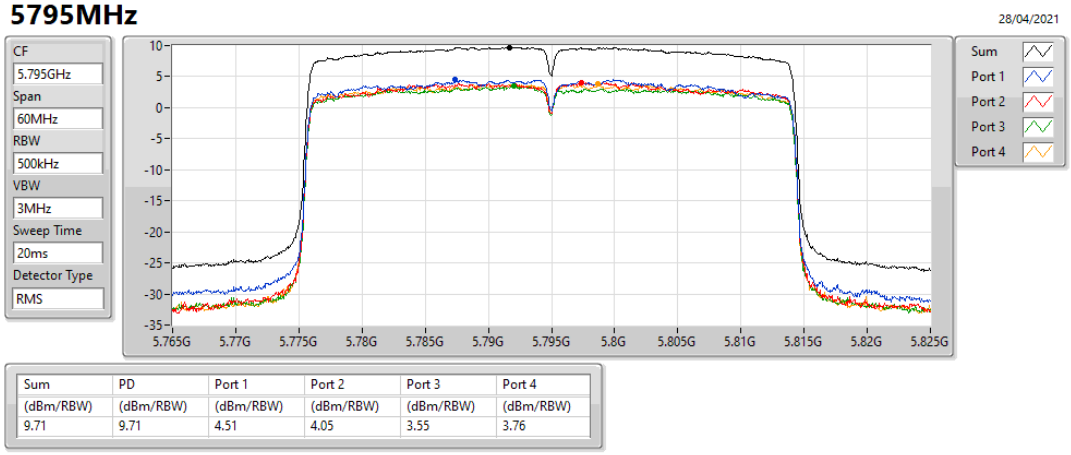
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.86	9.86	4.60	3.86	3.84	3.94

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

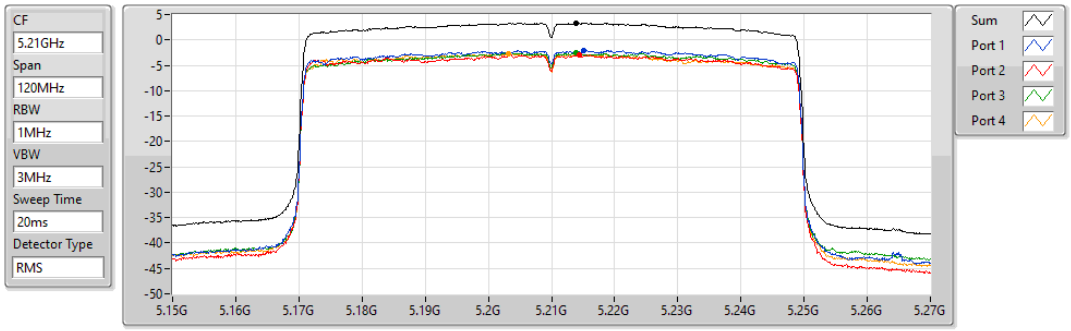
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.71	9.71	4.51	4.05	3.55	3.76

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

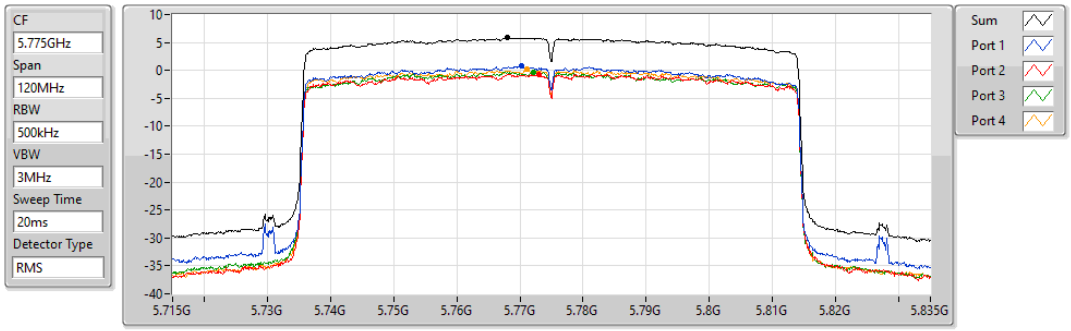
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.34	3.34	-2.00	-2.91	-2.53	-2.75

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.84	5.84	0.78	-0.71	-0.26	0.20

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	16.99
802.11ax HEW40_Nss4,(MCS0)_4TX	12.95
802.11ax HEW80_Nss4,(MCS0)_4TX	3.14
5.725-5.85GHz	-
802.11ax HEW20_Nss4,(MCS0)_4TX	15.61
802.11ax HEW40_Nss4,(MCS0)_4TX	12.38
802.11ax HEW80_Nss4,(MCS0)_4TX	7.21

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

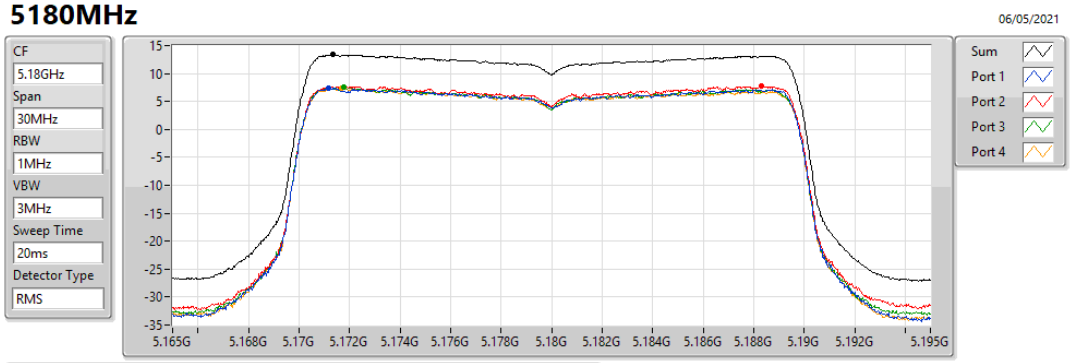
Result

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	-	-	-	-	-	-	-	-
5180MHz	Pass	0.62	7.40	7.68	7.52	7.35	13.36	17.00
5200MHz	Pass	0.62	11.04	11.08	10.93	10.38	16.81	17.00
5240MHz	Pass	0.62	11.35	11.10	11.44	10.60	16.99	17.00
5745MHz	Pass	1.80	10.20	9.78	9.42	9.31	15.61	30.00
5785MHz	Pass	1.80	9.86	9.62	9.66	9.13	15.40	30.00
5825MHz	Pass	1.80	10.15	9.25	9.27	8.99	15.33	30.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	0.62	0.46	0.97	0.07	0.18	6.21	17.00
5230MHz	Pass	0.62	7.23	7.20	7.34	6.39	12.95	17.00
5755MHz	Pass	1.80	6.94	6.46	6.35	6.40	12.37	30.00
5795MHz	Pass	1.80	6.76	6.12	6.47	6.47	12.38	30.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	0.62	-2.65	-2.16	-2.89	-3.34	3.14	17.00
5775MHz	Pass	1.80	1.89	1.43	1.16	1.00	7.21	30.00

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

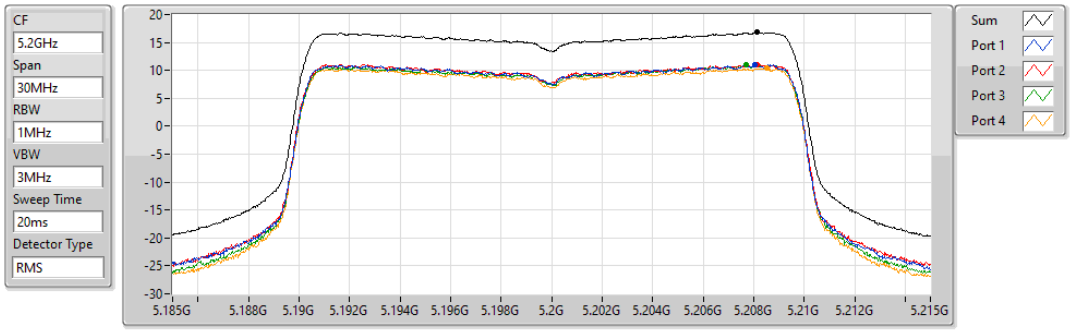
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.36	13.36	7.40	7.68	7.52	7.35

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

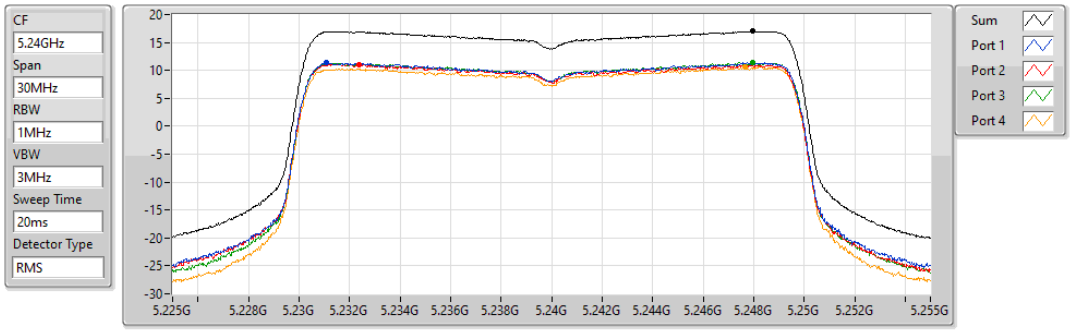
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.81	16.81	11.04	11.08	10.93	10.38

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

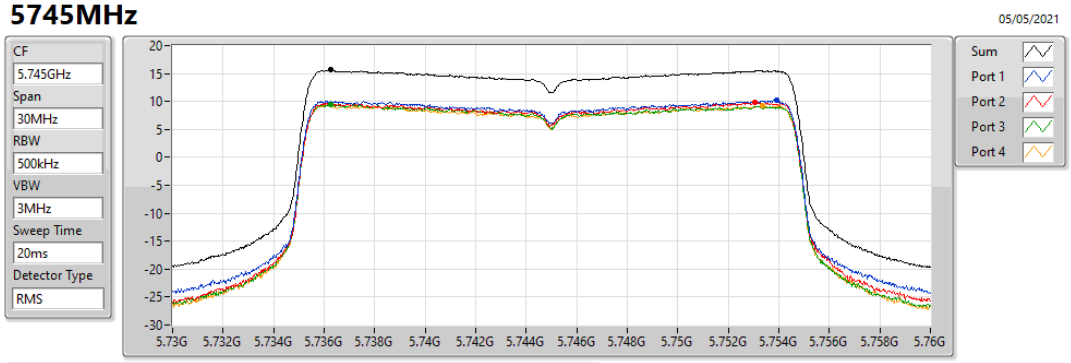
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.99	16.99	11.35	11.10	11.44	10.60

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

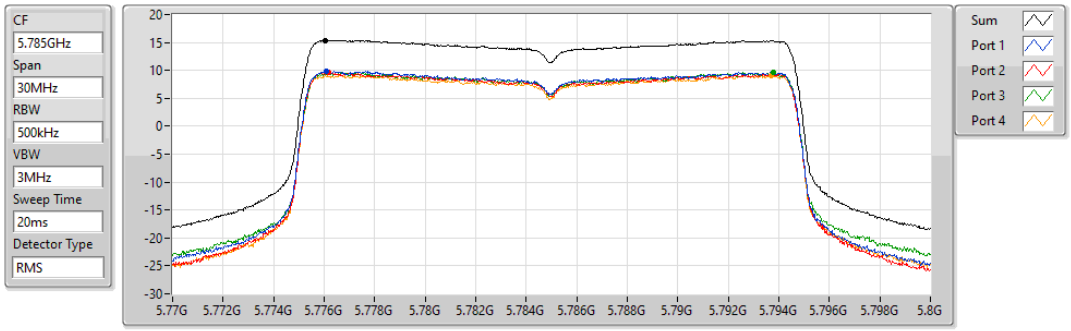
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.61	15.61	10.20	9.78	9.42	9.31

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

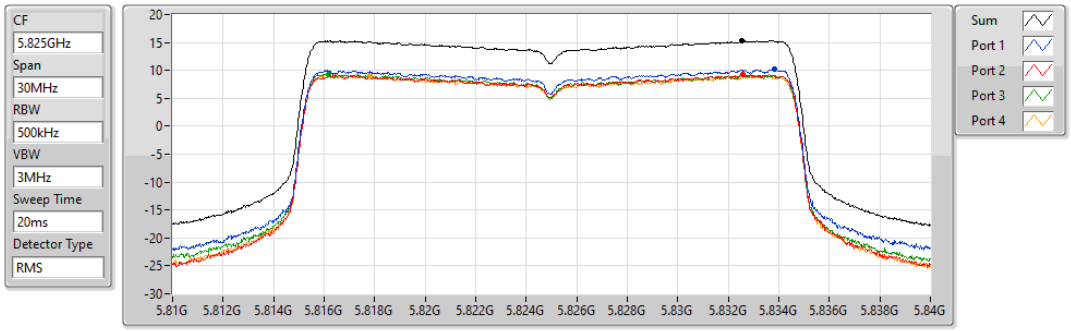
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.40	15.40	9.86	9.62	9.66	9.13

802.11ax HEW20_Nss4,(MCS0)_4TX PSD

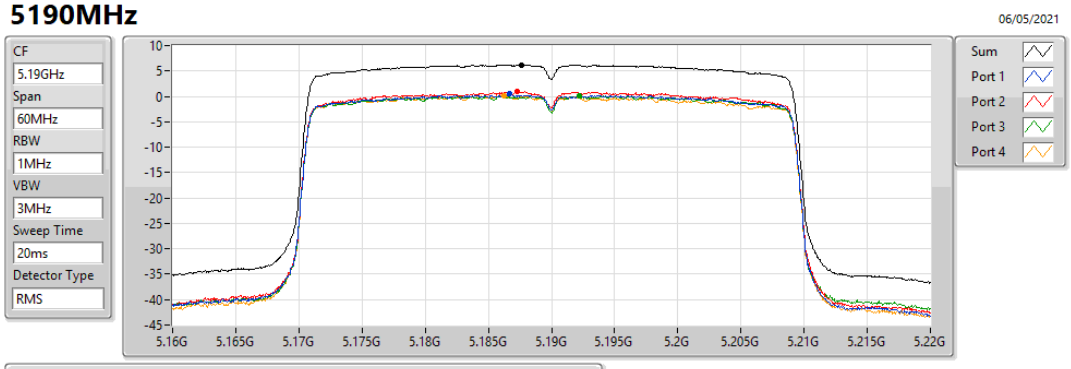
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.33	15.33	10.15	9.25	9.27	8.99

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

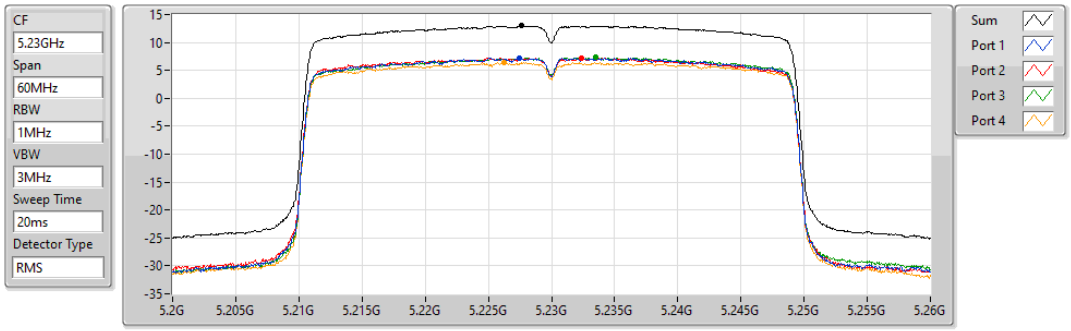
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	0.46	0.97	0.07	0.18

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

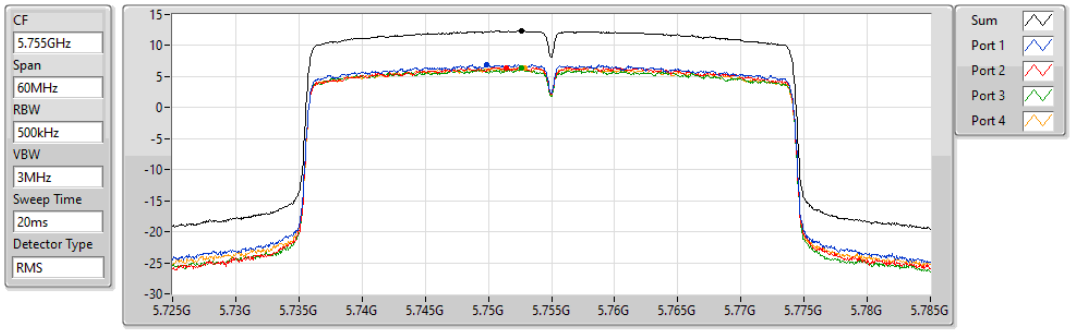
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.95	12.95	7.23	7.20	7.34	6.39

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

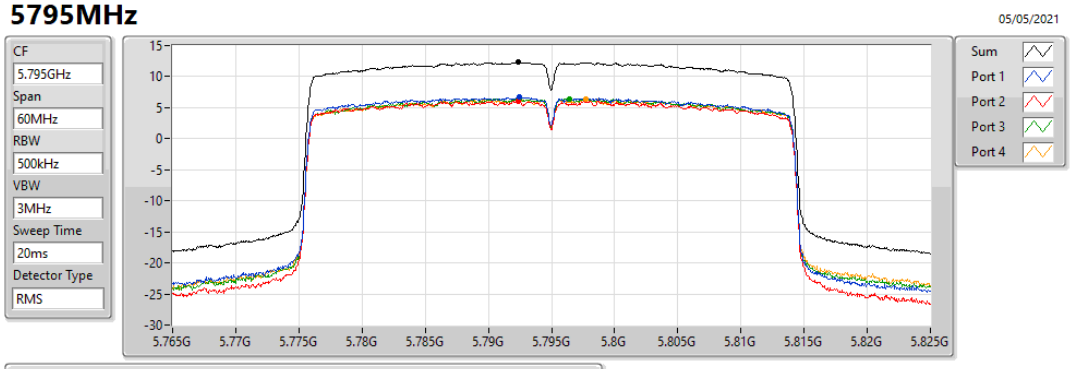
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.37	12.37	6.94	6.46	6.35	6.40

802.11ax HEW40_Nss4,(MCS0)_4TX PSD

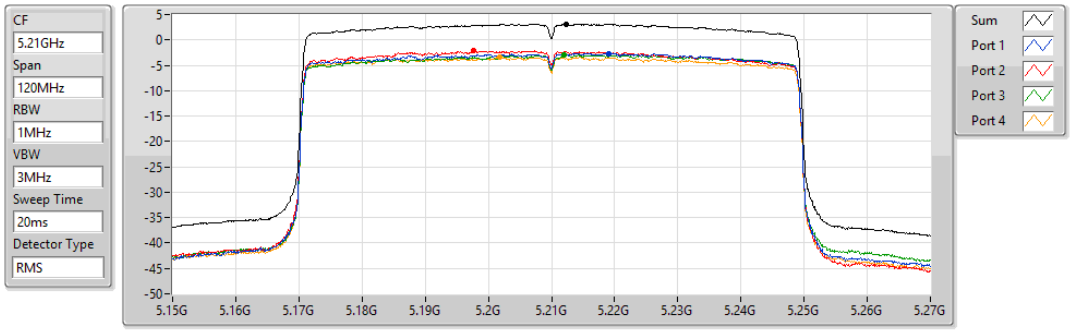
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.38	12.38	6.76	6.12	6.47	6.47

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

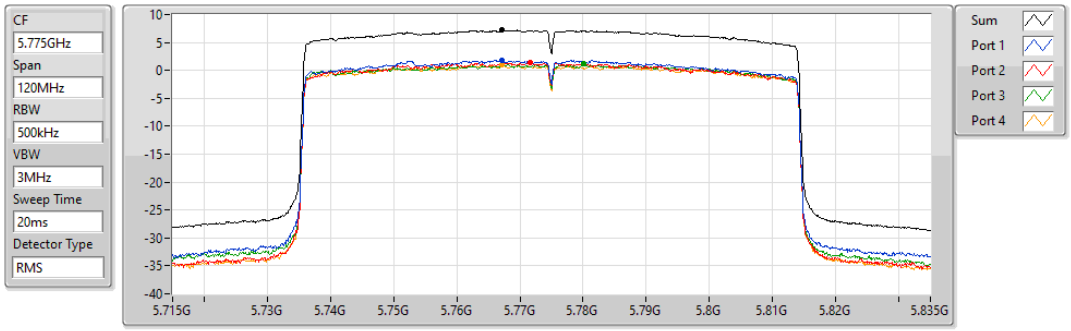
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.14	3.14	-2.65	-2.16	-2.89	-3.34

802.11ax HEW80_Nss4,(MCS0)_4TX PSD

5775MHz



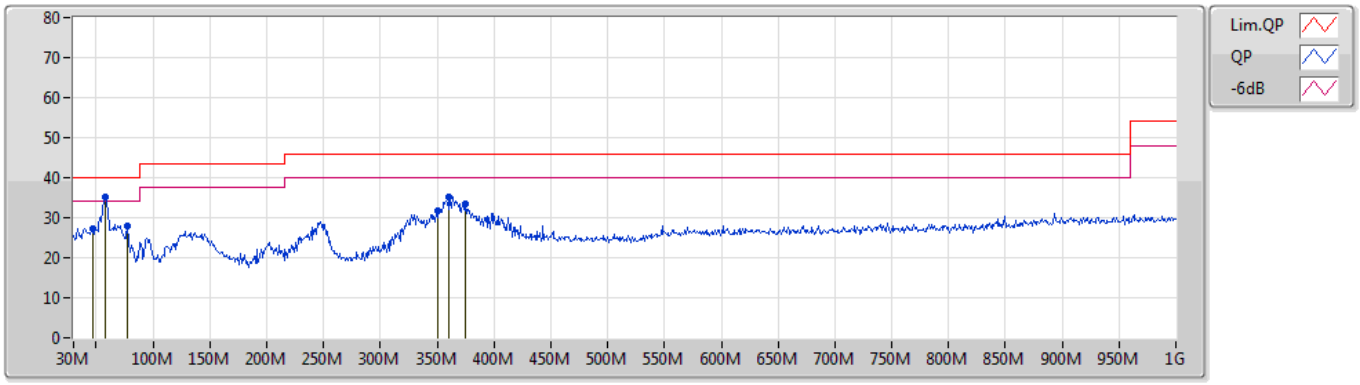
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.21	7.21	1.89	1.43	1.16	1.00

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

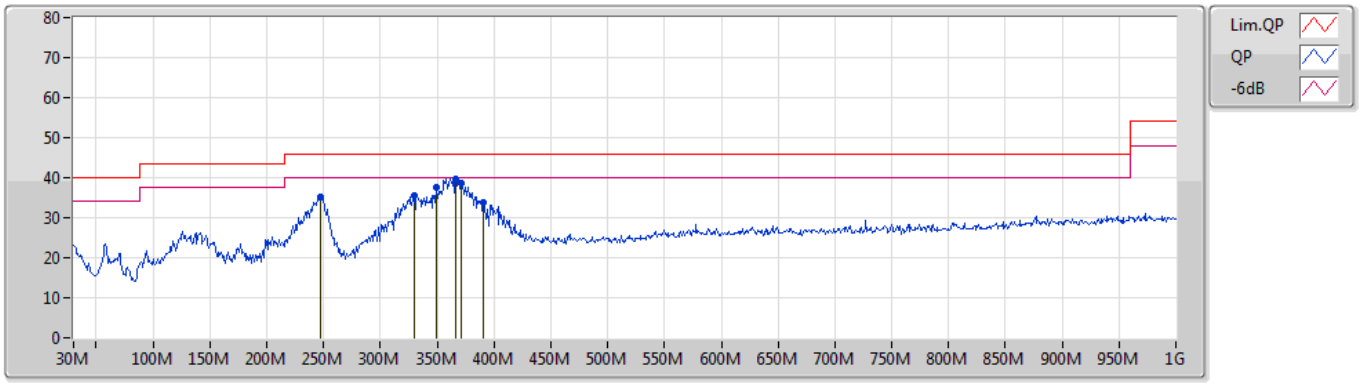
24/05/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	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	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	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

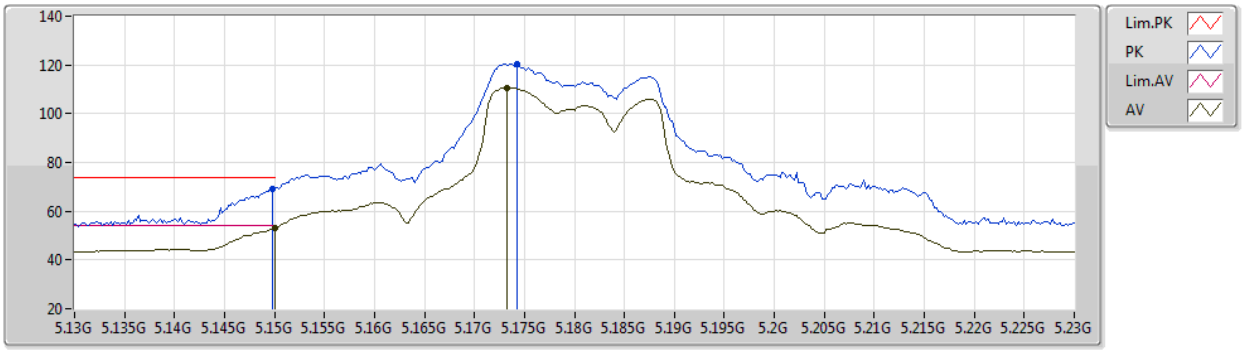
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	5.15G	52.98	54.00	-1.02	3	Vertical	291	1.80	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

22/04/2021



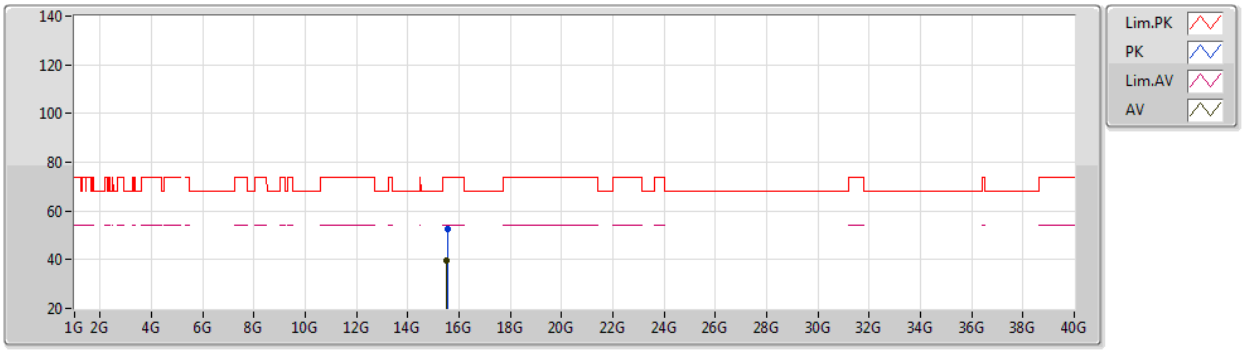
EUT Y_4TX
Setting 20.5
02-B-E-2-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1498G	69.34	74.00	-4.66	64.27	3	Vertical	291	1.80	-	31.80	5.00	31.73
AV	5.15G	52.98	54.00	-1.02	47.91	3	Vertical	291	1.80	-	31.80	5.00	31.73
PK	5.1742G	120.45	Inf	-Inf	115.41	3	Vertical	291	1.80	-	31.70	5.05	31.71
AV	5.1732G	110.77	Inf	-Inf	105.72	3	Vertical	291	1.80	-	31.71	5.05	31.71

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

22/04/2021



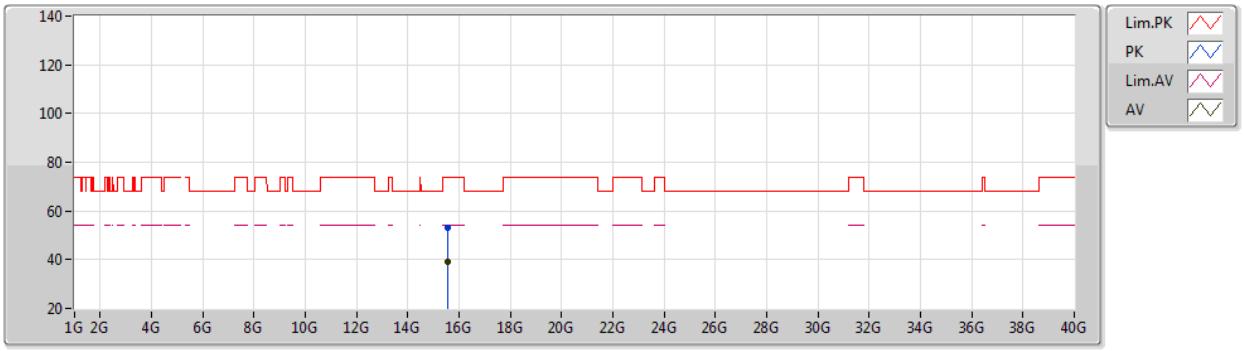
EUT Z_4TX
Setting 20.5
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.55044G	52.43	74.00	-21.57	38.48	3	Vertical	4	1.80	-	37.75	9.04	32.84
AV	15.525G	39.50	54.00	-14.50	25.48	3	Vertical	4	1.80	-	37.83	9.03	32.84

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

22/04/2021



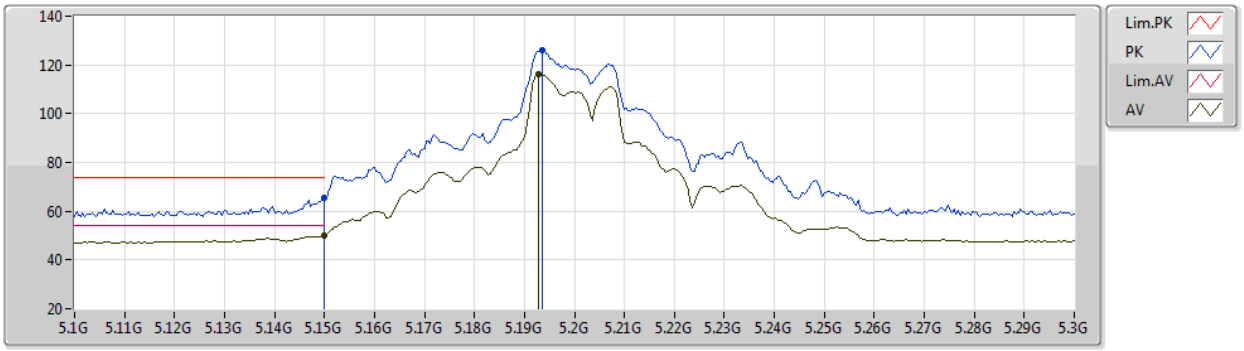
EUT Z_4TX
Setting 20.5
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5475G	53.20	74.00	-20.80	39.24	3	Horizontal	360	1.80	-	37.76	9.04	32.84
AV	15.53448G	39.35	54.00	-14.65	25.35	3	Horizontal	360	1.80	-	37.80	9.04	32.84

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

27/04/2021



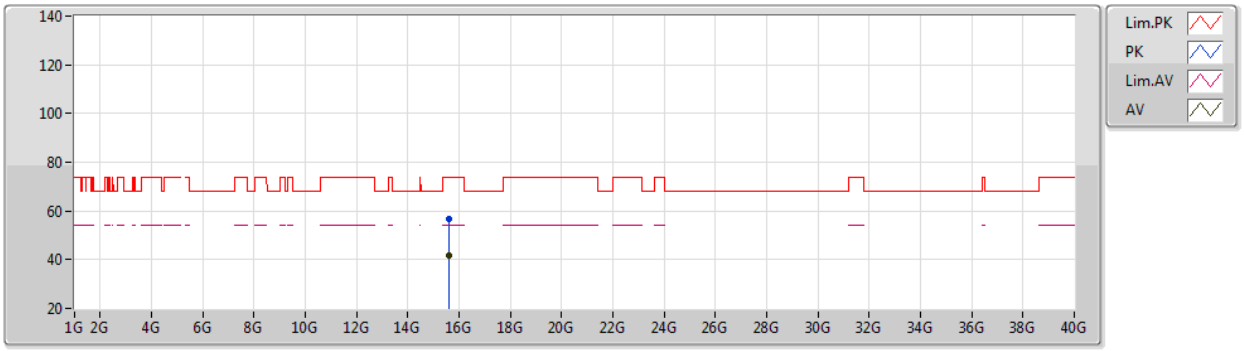
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	65.39	74.00	-8.61	60.19	3	Vertical	344	1.74	-	34.10	6.43	35.33
AV	5.15G	50.17	54.00	-3.83	44.97	3	Vertical	344	1.74	-	34.10	6.43	35.33
PK	5.1936G	125.89	Inf	-Inf	120.76	3	Vertical	344	1.74	-	34.01	6.40	35.28
AV	5.1928G	116.23	Inf	-Inf	111.10	3	Vertical	344	1.74	-	34.01	6.40	35.28

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

27/04/2021



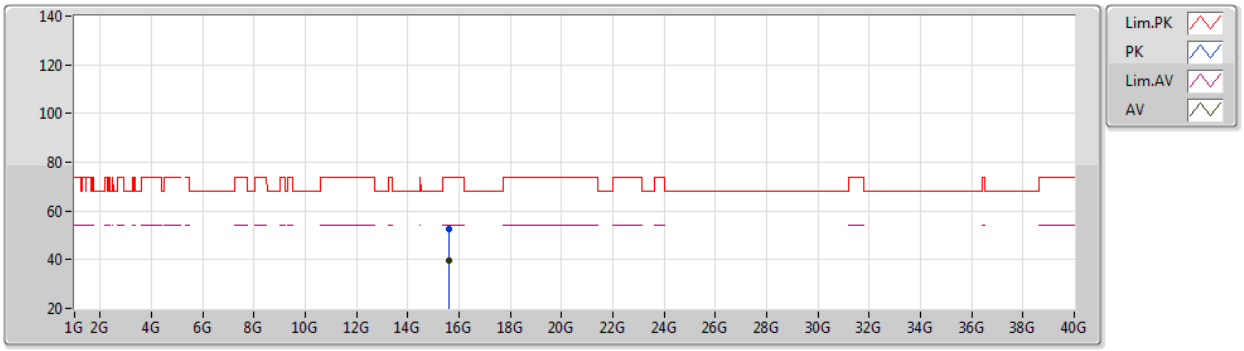
EUT Z_4TX
Setting 24
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59688G	56.53	74.00	-17.47	42.71	3	Vertical	253	2.09	-	37.61	9.06	32.85
AV	15.59718G	41.64	54.00	-12.36	27.82	3	Vertical	253	2.09	-	37.61	9.06	32.85

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

27/04/2021



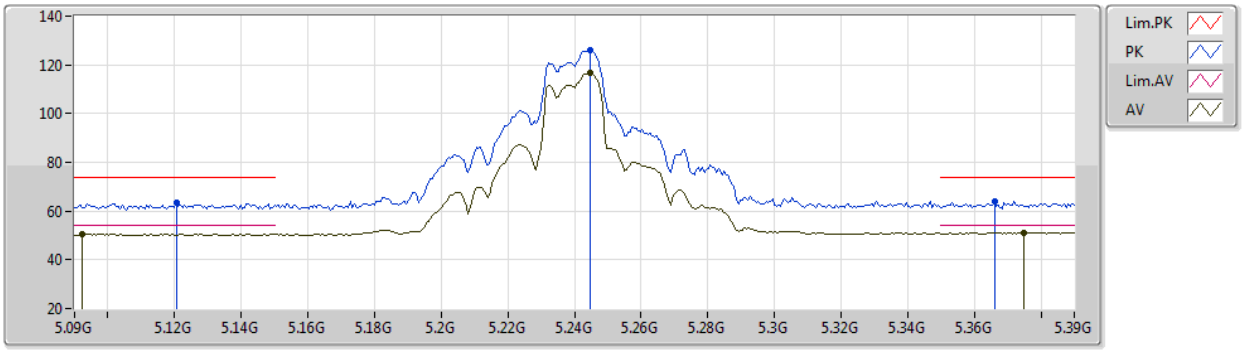
EUT Z_4TX
Setting 24
02-B-R-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59616G	52.71	74.00	-21.29	38.89	3	Horizontal	290	1.80	-	37.61	9.06	32.85
AV	15.5973G	39.55	54.00	-14.45	25.73	3	Horizontal	290	1.80	-	37.61	9.06	32.85

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

22/04/2021



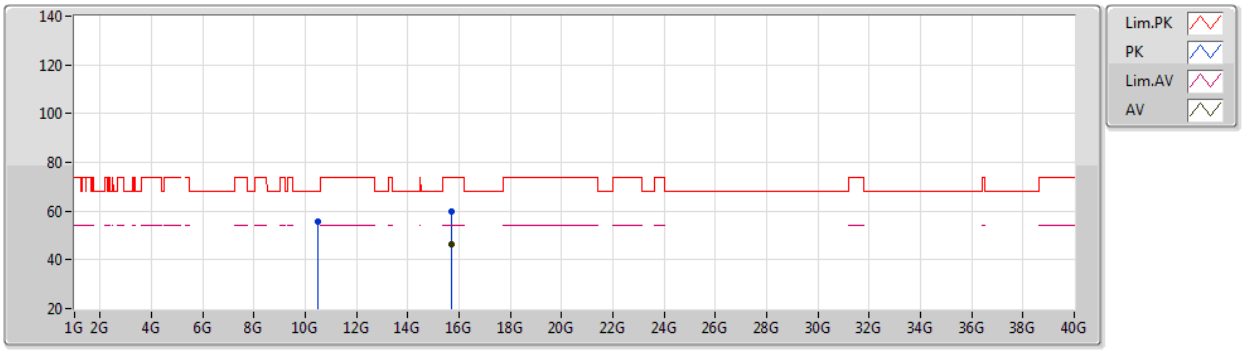
EUT Y_4TX
Setting 24
03-C-K-5-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1206G	63.35	74.00	-10.65	58.29	3	Vertical	331	1.80	-	33.98	6.44	35.36
AV	5.0924G	50.60	54.00	-3.40	45.64	3	Vertical	331	1.80	-	33.90	6.45	35.39
PK	5.2448G	125.94	Inf	-Inf	120.57	3	Vertical	331	1.80	-	34.18	6.42	35.23
AV	5.2448G	116.73	Inf	-Inf	111.36	3	Vertical	331	1.80	-	34.18	6.42	35.23
PK	5.366G	64.12	74.00	-9.88	58.16	3	Vertical	331	1.80	-	34.57	6.48	35.09
AV	5.375G	51.21	54.00	-2.79	45.26	3	Vertical	331	1.80	-	34.55	6.49	35.09

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

27/04/2021



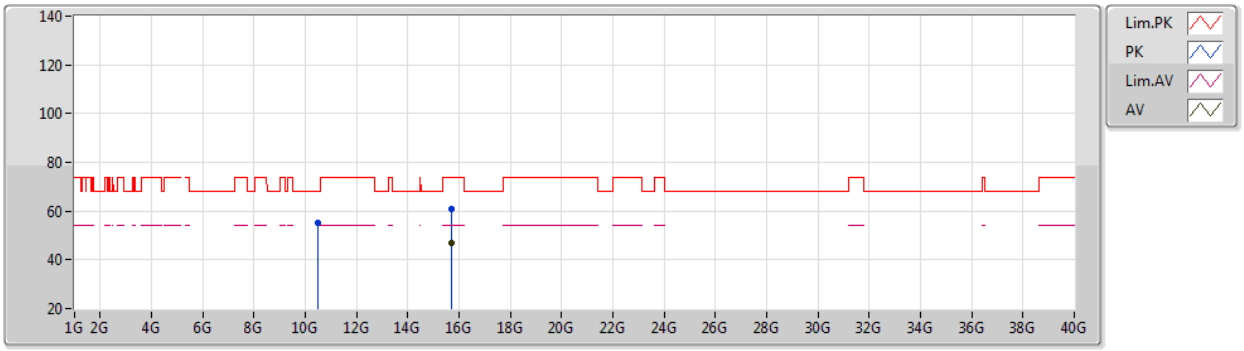
EUT Z_4TX
Setting 24
03-C-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.47984G	55.89	68.20	-12.31	42.67	3	Vertical	83	1.01	-	38.38	9.70	34.86
PK	15.71924G	59.69	74.00	-14.31	44.99	3	Vertical	61	1.79	-	37.98	11.86	35.14
AV	15.71128G	46.63	54.00	-7.37	31.92	3	Vertical	61	1.79	-	37.99	11.86	35.14

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

27/04/2021



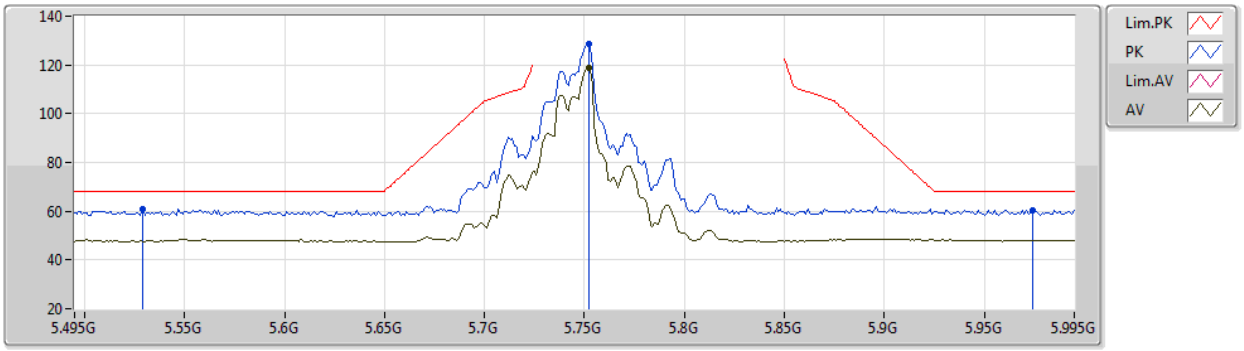
EUT Z_4TX
Setting 24
03-C-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.47508G	55.23	68.20	-12.97	42.02	3	Horizontal	7	2.85	-	38.38	9.70	34.87
PK	15.724G	60.73	74.00	-13.27	46.03	3	Horizontal	279	1.80	-	37.98	11.86	35.14
AV	15.72668G	46.77	54.00	-7.23	32.09	3	Horizontal	279	1.80	-	37.97	11.86	35.15

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

27/04/2021



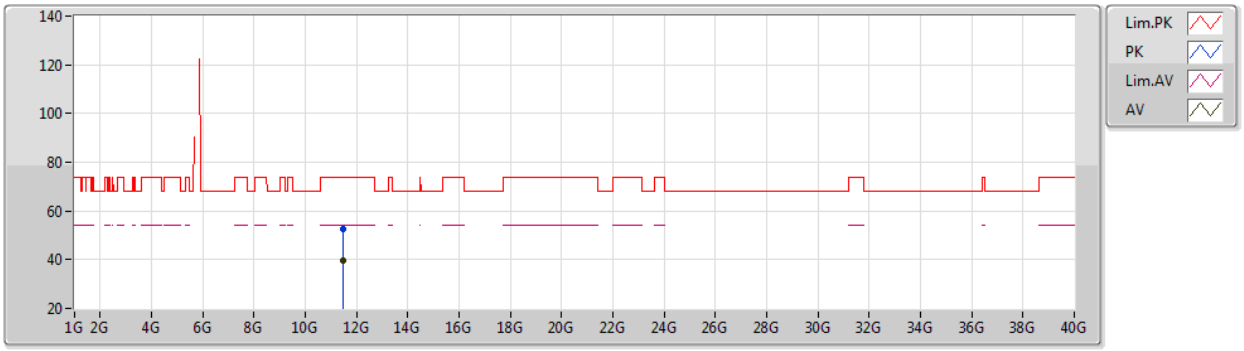
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.529G	60.85	68.20	-7.35	54.51	3	Vertical	325	1.56	-	34.60	6.69	34.95
PK	5.752G	128.42	Inf	-Inf	122.07	3	Vertical	325	1.56	-	34.40	6.88	34.93
AV	5.752G	118.90	Inf	-Inf	112.55	3	Vertical	325	1.56	-	34.40	6.88	34.93
PK	5.974G	60.53	68.20	-7.67	53.81	3	Vertical	325	1.56	-	34.65	6.99	34.92

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

27/04/2021



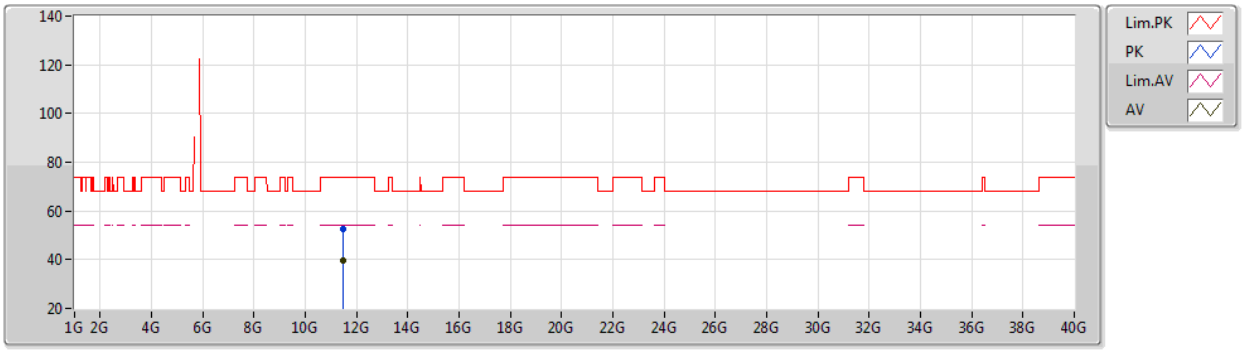
EUT Z_4TX
Setting 24
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4969G	52.61	74.00	-21.39	38.93	3	Vertical	183	1.13	-	38.99	7.62	32.93
AV	11.48418G	39.51	54.00	-14.49	25.84	3	Vertical	183	1.13	-	38.97	7.62	32.92

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

27/04/2021



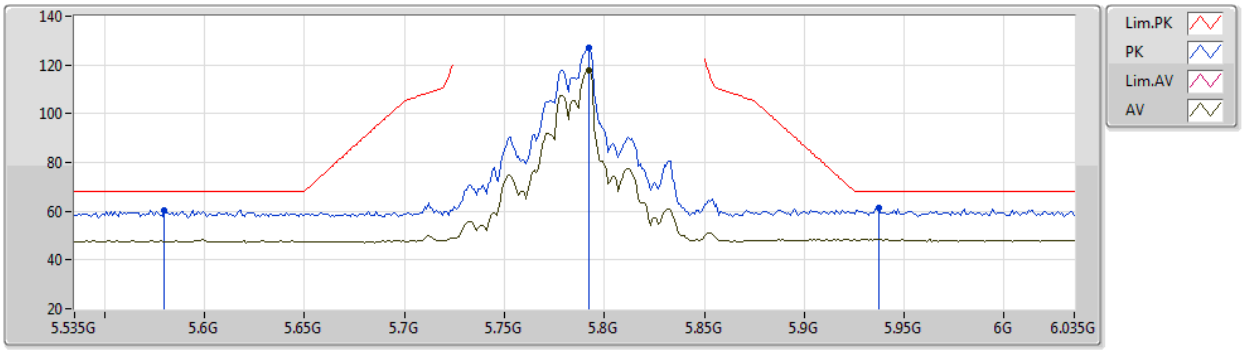
EUT Z_4TX
Setting 24
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48712G	52.33	74.00	-21.67	38.67	3	Horizontal	190	1.16	-	38.97	7.62	32.93
AV	11.48304G	39.49	54.00	-14.51	25.82	3	Horizontal	190	1.16	-	38.97	7.62	32.92

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

22/04/2021



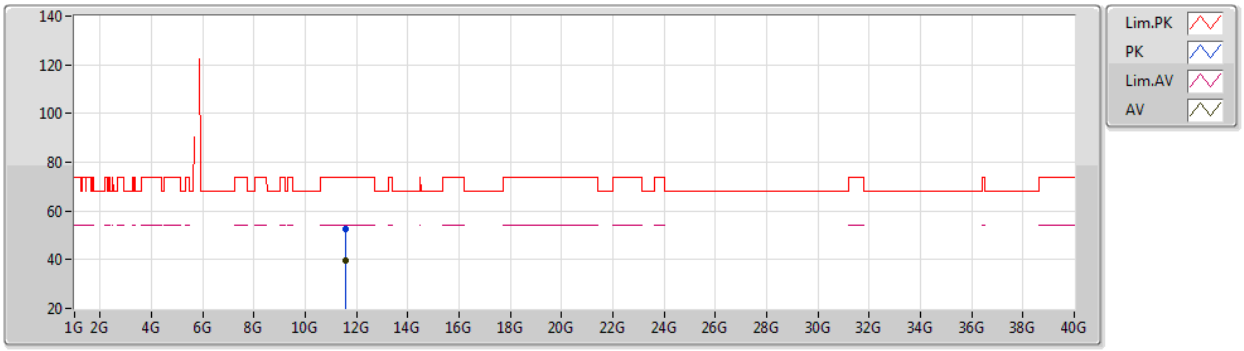
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.58G	60.50	68.20	-7.70	54.20	3	Vertical	360	1.80	-	34.48	6.77	34.95
PK	5.792G	127.26	Inf	-Inf	120.89	3	Vertical	360	1.80	-	34.40	6.90	34.93
AV	5.792G	117.95	Inf	-Inf	111.58	3	Vertical	360	1.80	-	34.40	6.90	34.93
PK	5.937G	61.62	68.20	-6.58	54.94	3	Vertical	360	1.80	-	34.63	6.97	34.92

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5785MHz_TX



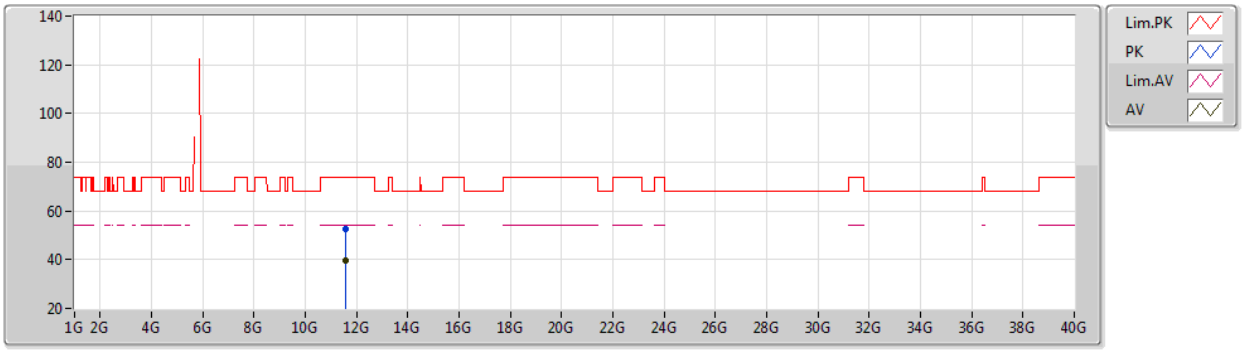
EUT Z_4TX
Setting 24
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.56154G	52.33	74.00	-21.67	38.43	3	Vertical	145	1.28	-	39.18	7.65	32.93
AV	11.5751G	39.66	54.00	-14.34	25.71	3	Vertical	145	1.28	-	39.23	7.65	32.93

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

27/04/2021



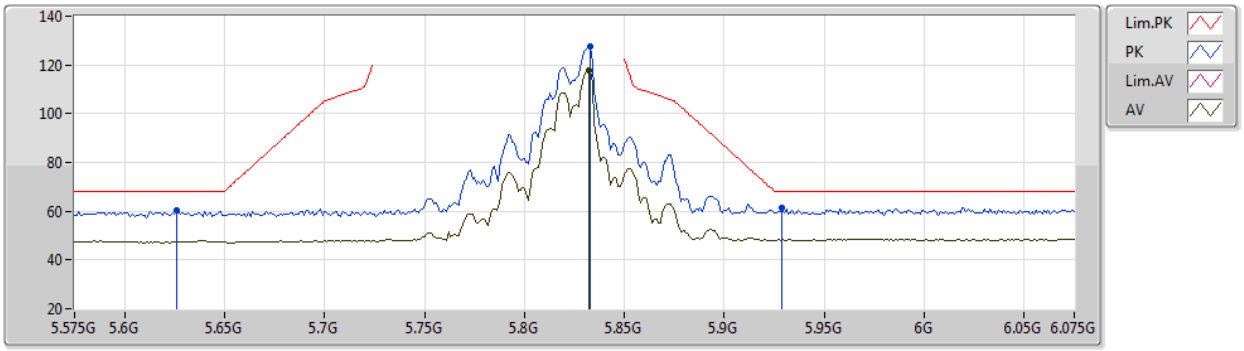
EUT Z_4TX
Setting 24
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.56586G	52.73	74.00	-21.27	38.81	3	Horizontal	239	2.66	-	39.20	7.65	32.93
AV	11.57066G	39.64	54.00	-14.36	25.71	3	Horizontal	239	2.66	-	39.21	7.65	32.93

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5825MHz_TX



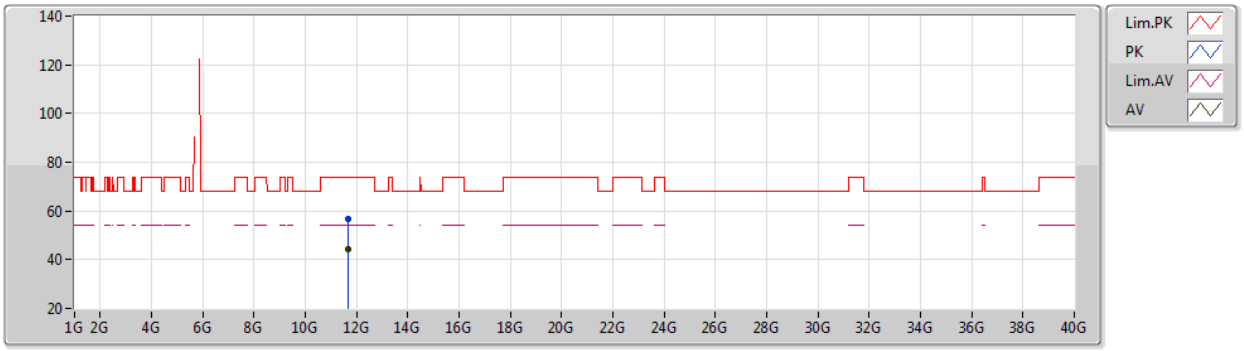
EUT Y_4TX
Setting 24
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.626G	60.12	68.20	-8.08	53.85	3	Vertical	326	1.61	-	34.40	6.81	34.94
PK	5.833G	127.41	Inf	-Inf	121.02	3	Vertical	326	1.61	-	34.40	6.92	34.93
AV	5.832G	117.84	Inf	-Inf	111.45	3	Vertical	326	1.61	-	34.40	6.92	34.93
PK	5.929G	61.51	68.20	-6.69	54.83	3	Vertical	326	1.61	-	34.64	6.96	34.92

802.11a_Nss1,(6Mbps)_4TX

27/04/2021

5825MHz_TX



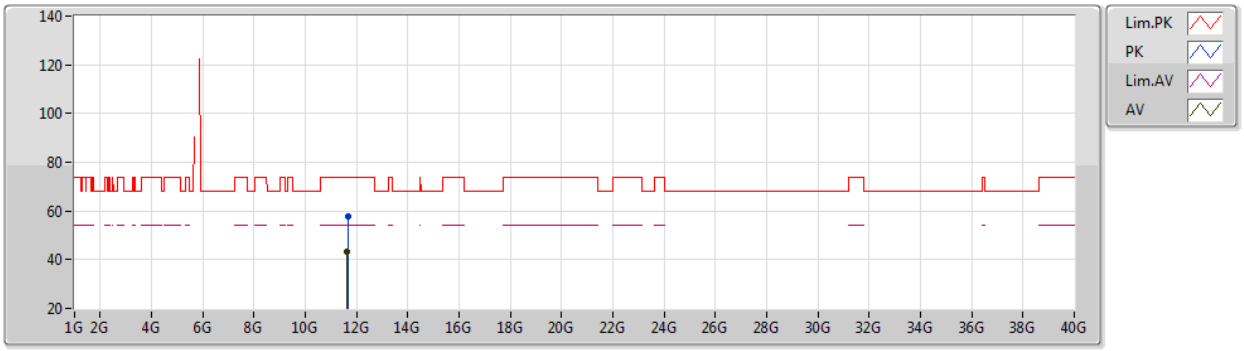
EUT Z_4TX
Setting 24
03-C-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6486G	56.91	74.00	-17.09	42.07	3	Vertical	36	2.04	-	39.60	9.93	34.69
AV	11.65012G	44.21	54.00	-9.79	29.37	3	Vertical	36	2.04	-	39.60	9.93	34.69

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

27/04/2021



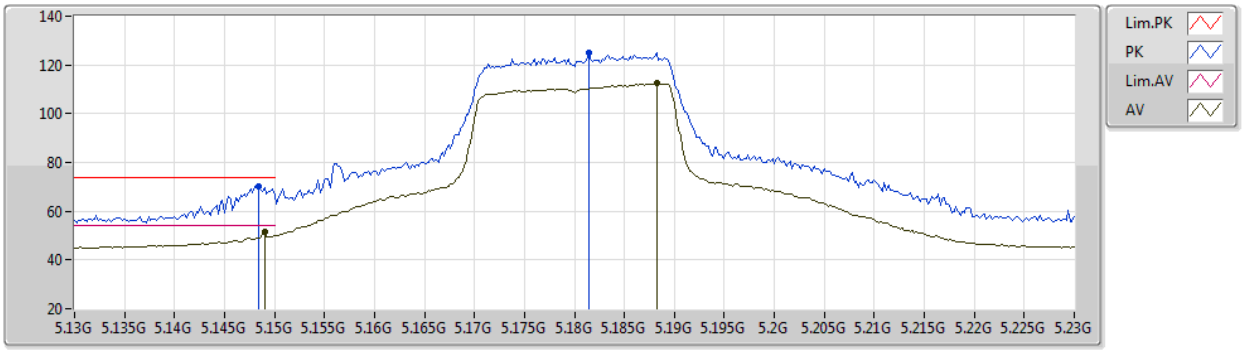
EUT Z_4TX
Setting 24
03-C-K-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.653G	57.51	74.00	-16.49	42.67	3	Horizontal	167	1.80	-	39.60	9.93	34.69
AV	11.64132G	43.29	54.00	-10.71	28.44	3	Horizontal	167	1.80	-	39.60	9.93	34.68

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

28/04/2021



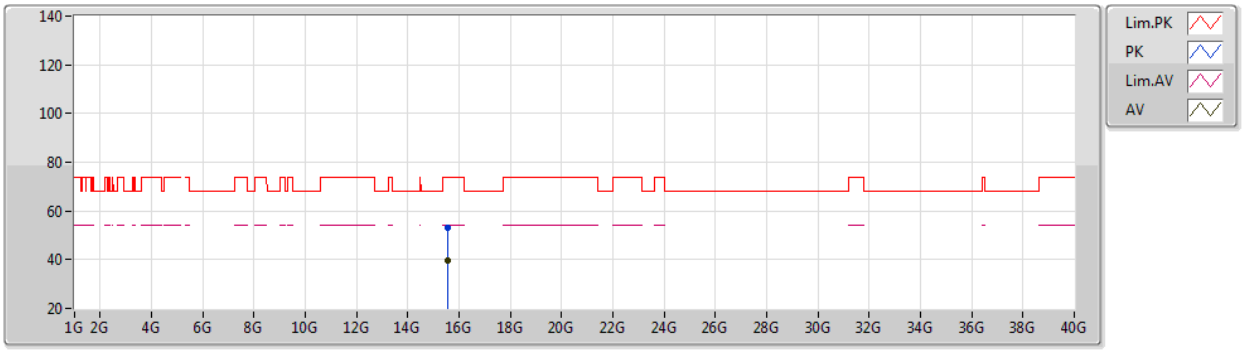
EUT Y_4TX
Setting 26
06-D-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	70.13	74.00	-3.87	64.96	3	Vertical	319	1.72	-	31.80	5.00	31.63
AV	5.149G	51.34	54.00	-2.66	46.17	3	Vertical	319	1.72	-	31.80	5.00	31.63
PK	5.1814G	125.12	Inf	-Inf	120.10	3	Vertical	319	1.72	-	31.67	5.00	31.65
AV	5.1882G	112.34	Inf	-Inf	107.35	3	Vertical	319	1.72	-	31.65	5.00	31.66

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

19/05/2021



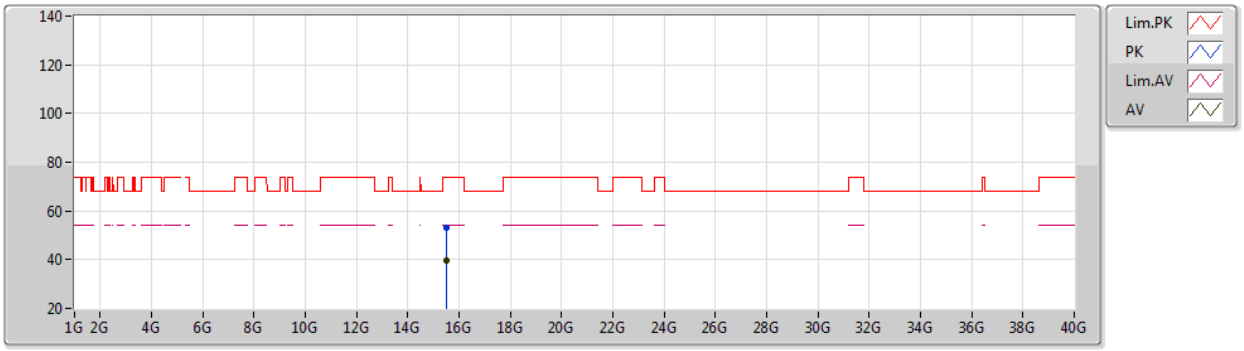
EUT Z_4TX
Setting 26
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.55374G	52.90	74.00	-21.10	38.96	3	Vertical	225	1.53	-	37.74	9.04	32.84
AV	15.5547G	39.63	54.00	-14.37	25.69	3	Vertical	225	1.53	-	37.74	9.04	32.84

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

19/05/2021

5180MHz_TX



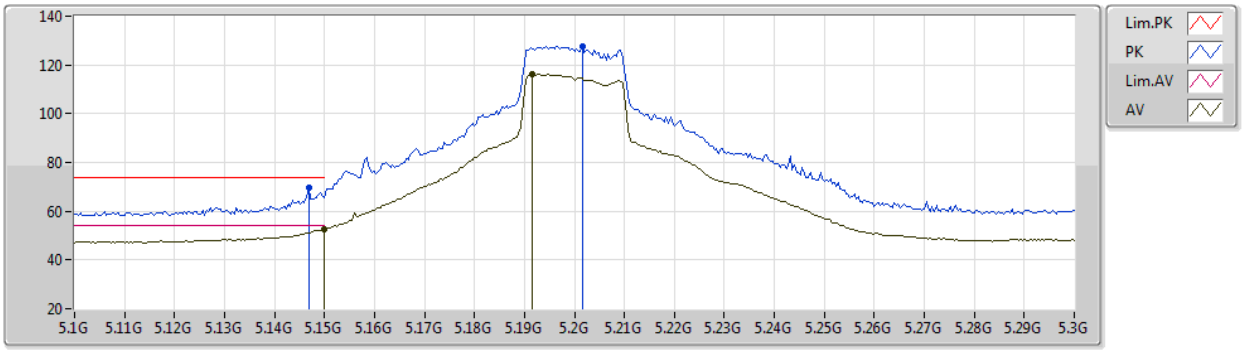
EUT Z_4TX
Setting 26
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.53082G	52.96	74.00	-21.04	38.95	3	Horizontal	49	2.44	-	37.81	9.04	32.84
AV	15.53014G	39.54	54.00	-14.46	25.53	3	Horizontal	49	2.44	-	37.81	9.04	32.84

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5200MHz_TX



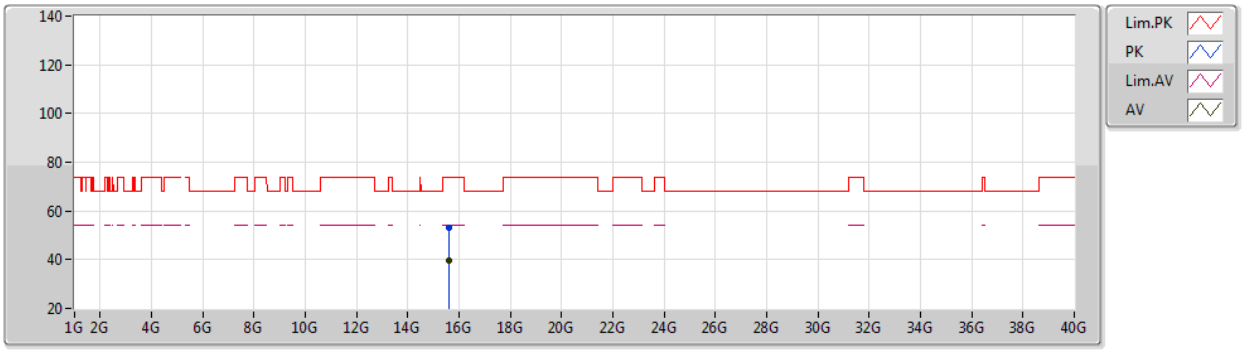
EUT Y_4TX
Setting 30
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1468G	69.45	74.00	-4.55	64.26	3	Vertical	12	1.80	-	34.09	6.43	35.33
AV	5.15G	52.61	54.00	-1.39	47.41	3	Vertical	12	1.80	-	34.10	6.43	35.33
PK	5.2016G	127.63	Inf	-Inf	122.49	3	Vertical	12	1.80	-	34.01	6.40	35.27
AV	5.1916G	116.25	Inf	-Inf	111.11	3	Vertical	12	1.80	-	34.02	6.40	35.28

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

21/05/2021



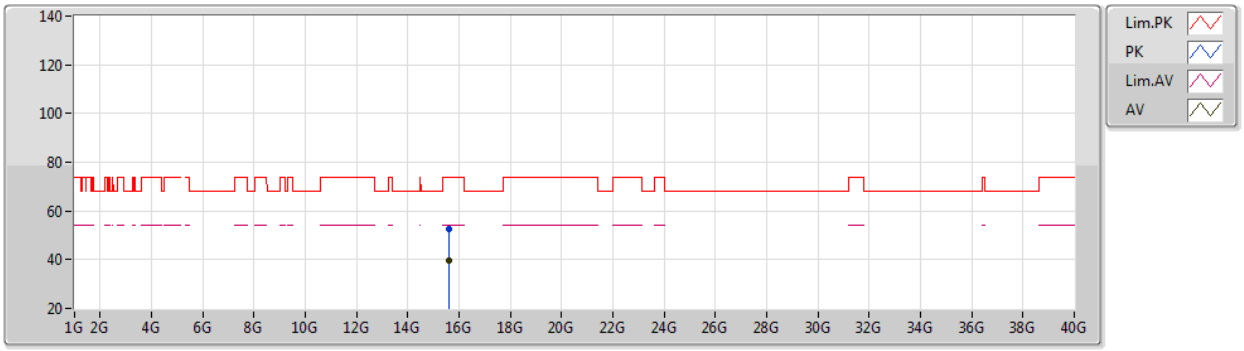
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59304G	53.08	74.00	-20.92	39.25	3	Vertical	53	1.58	-	37.62	9.06	32.85
AV	15.59026G	39.79	54.00	-14.21	25.95	3	Vertical	53	1.58	-	37.63	9.06	32.85

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

21/05/2021



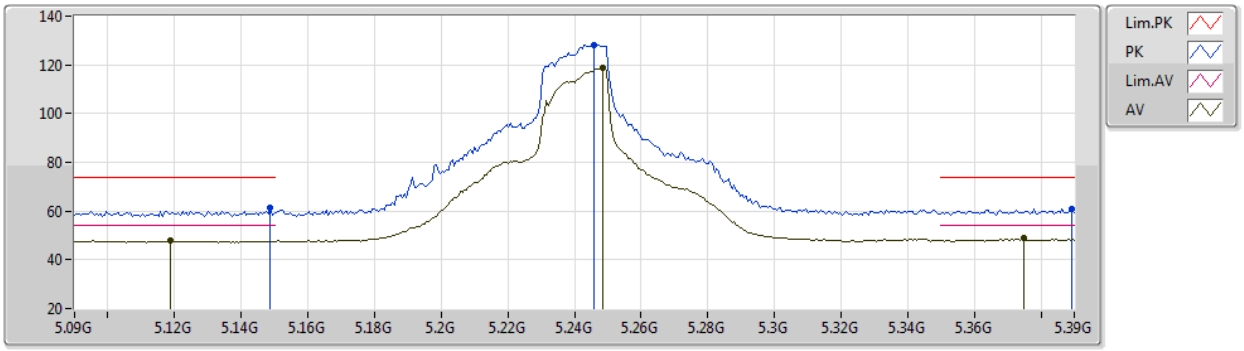
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59166G	52.77	74.00	-21.23	38.93	3	Horizontal	116	2.43	-	37.63	9.06	32.85
AV	15.58998G	39.78	54.00	-14.22	25.94	3	Horizontal	116	2.43	-	37.63	9.06	32.85

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5240MHz_TX



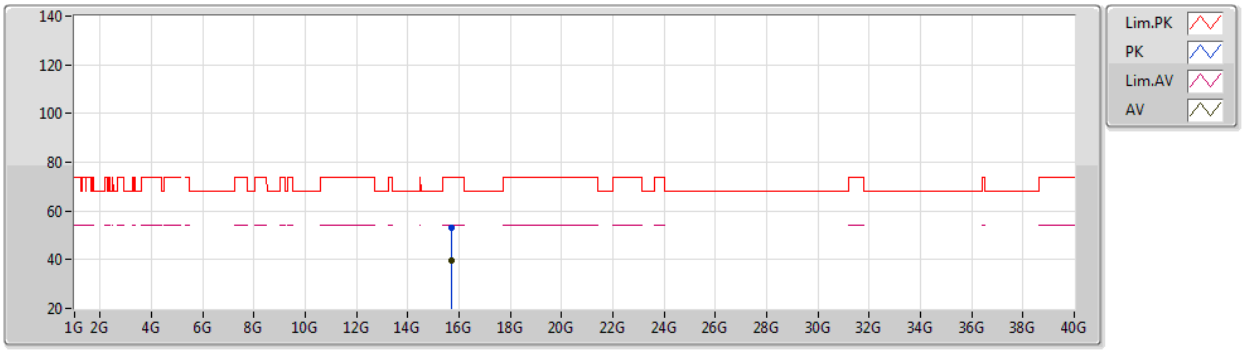
EUT Y_4TX
Setting 30
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	61.21	74.00	-12.79	56.01	3	Vertical	152	1.78	-	34.10	6.43	35.33
AV	5.1188G	47.81	54.00	-6.19	42.75	3	Vertical	152	1.78	-	33.98	6.44	35.36
PK	5.246G	127.90	Inf	-Inf	122.52	3	Vertical	152	1.78	-	34.18	6.42	35.22
AV	5.2484G	118.68	Inf	-Inf	113.29	3	Vertical	152	1.78	-	34.19	6.42	35.22
PK	5.3894G	60.97	74.00	-13.03	55.03	3	Vertical	152	1.78	-	34.52	6.49	35.07
AV	5.375G	48.76	54.00	-5.24	42.81	3	Vertical	152	1.78	-	34.55	6.49	35.09

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

27/04/2021



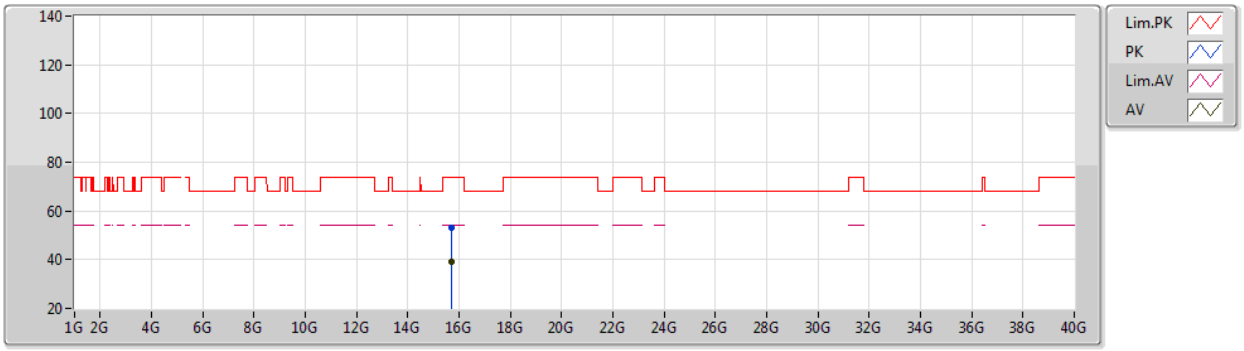
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.71166G	52.93	74.00	-21.07	39.29	3	Vertical	207	1.68	-	37.40	9.10	32.86
AV	15.71304G	39.46	54.00	-14.54	25.82	3	Vertical	207	1.68	-	37.40	9.10	32.86

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5240MHz_TX



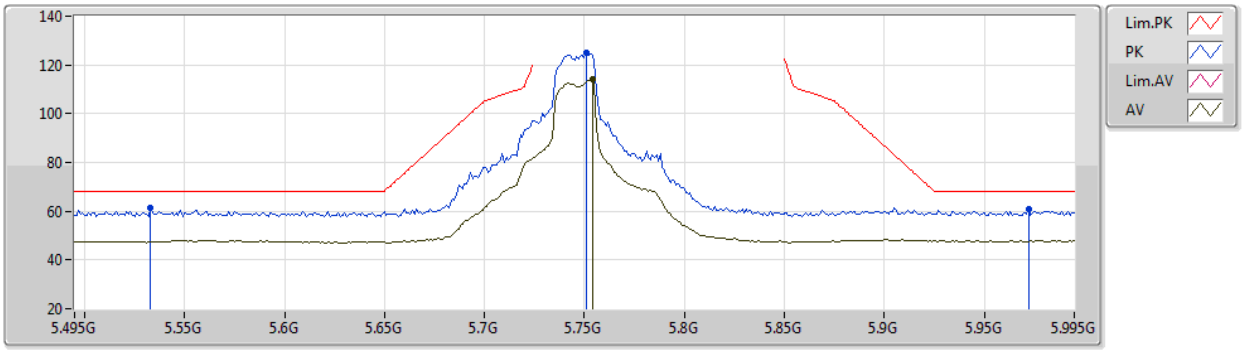
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.7161G	53.15	74.00	-20.85	39.51	3	Horizontal	229	2.22	-	37.40	9.10	32.86
AV	15.72156G	39.34	54.00	-14.66	25.70	3	Horizontal	229	2.22	-	37.40	9.10	32.86

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5745MHz_TX



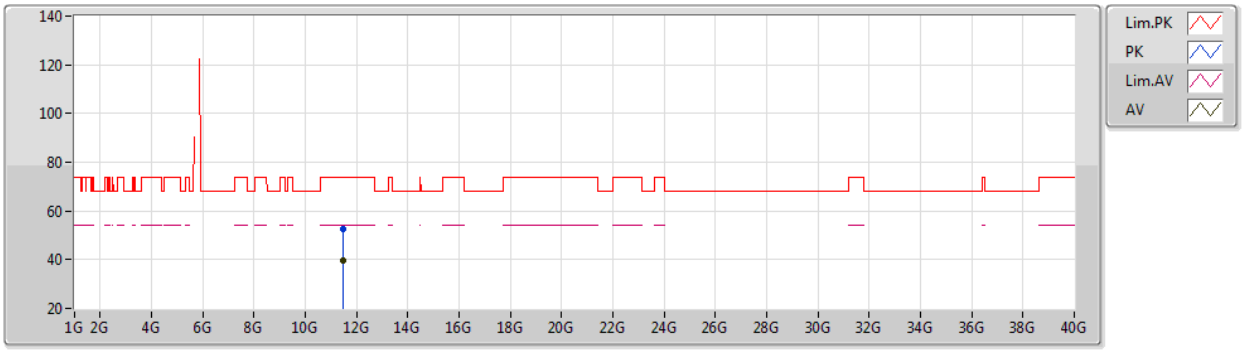
EUT Y_4TX
Setting 30
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.533G	61.24	68.20	-6.96	54.89	3	Vertical	94	1.49	-	34.60	6.70	34.95
PK	5.751G	124.90	Inf	-Inf	118.55	3	Vertical	94	1.49	-	34.40	6.88	34.93
AV	5.754G	114.09	Inf	-Inf	107.74	3	Vertical	94	1.49	-	34.40	6.88	34.93
PK	5.972G	60.65	68.20	-7.55	53.94	3	Vertical	94	1.49	-	34.64	6.99	34.92

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5745MHz_TX



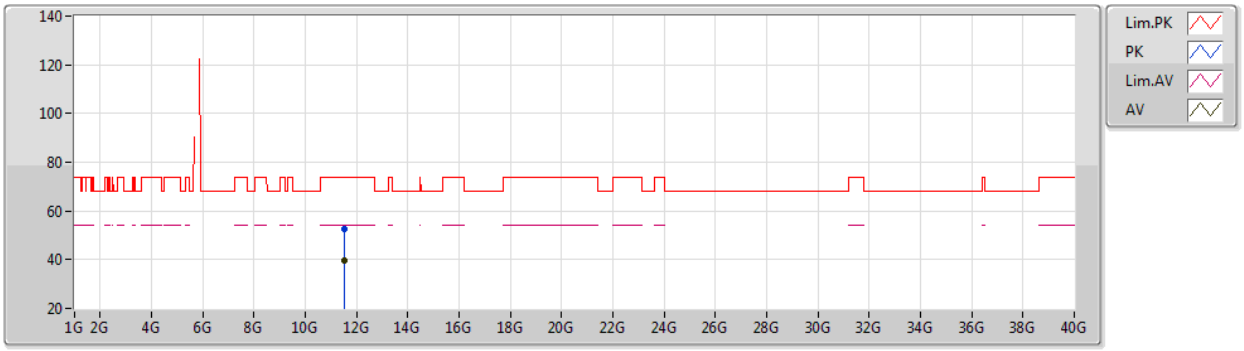
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.47998G	52.50	74.00	-21.50	38.84	3	Vertical	236	1.31	-	38.96	7.62	32.92
AV	11.48226G	39.52	54.00	-14.48	25.86	3	Vertical	236	1.31	-	38.96	7.62	32.92

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

27/04/2021



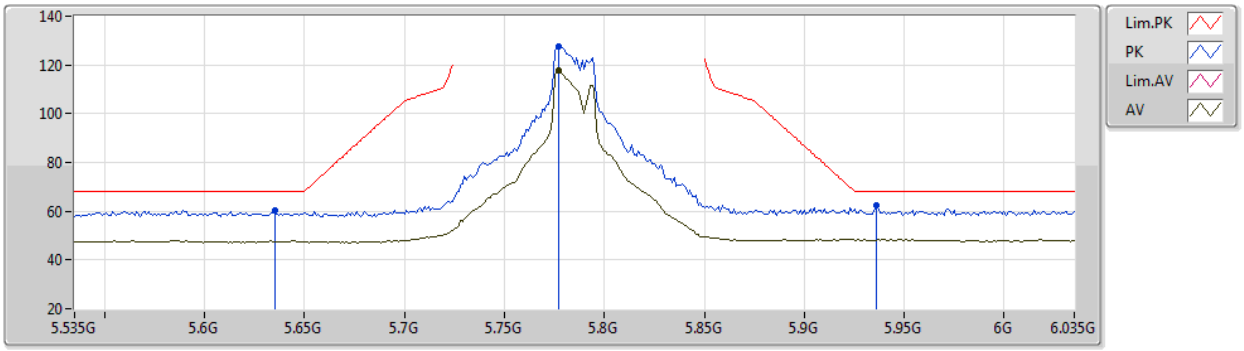
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50416G	52.51	74.00	-21.49	38.80	3	Horizontal	355	2.55	-	39.01	7.63	32.93
AV	11.50404G	39.47	54.00	-14.53	25.76	3	Horizontal	355	2.55	-	39.01	7.63	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5785MHz_TX



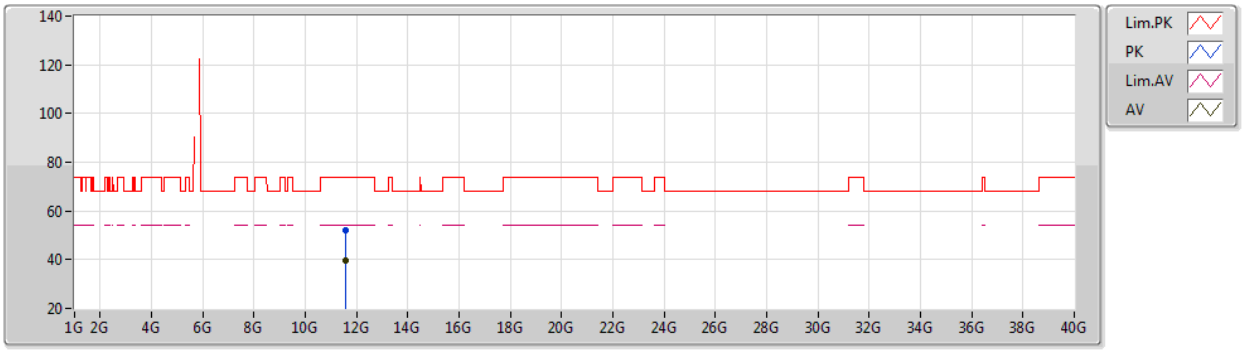
EUT Y_4TX
Setting 30
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.635G	60.32	68.20	-7.88	54.04	3	Vertical	30	1.75	-	34.40	6.82	34.94
PK	5.777G	127.78	Inf	-Inf	121.42	3	Vertical	30	1.75	-	34.40	6.89	34.93
AV	5.777G	117.65	Inf	-Inf	111.29	3	Vertical	30	1.75	-	34.40	6.89	34.93
PK	5.936G	62.18	68.20	-6.02	55.50	3	Vertical	30	1.75	-	34.63	6.97	34.92

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5785MHz_TX



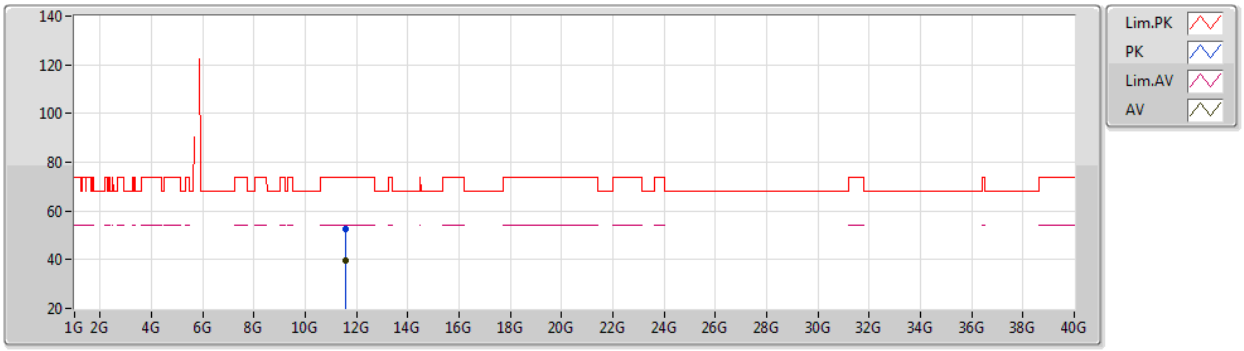
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.58122G	52.27	74.00	-21.73	38.31	3	Vertical	43	2.37	-	39.24	7.65	32.93
AV	11.57702G	39.53	54.00	-14.47	25.58	3	Vertical	43	2.37	-	39.23	7.65	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5785MHz_TX



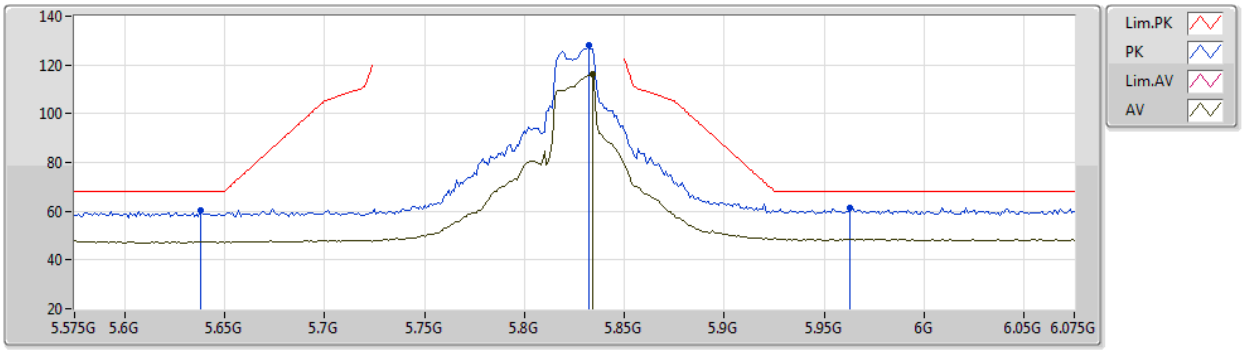
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57708G	52.38	74.00	-21.62	38.43	3	Horizontal	128	1.50	-	39.23	7.65	32.93
AV	11.56844G	39.48	54.00	-14.52	25.55	3	Horizontal	128	1.50	-	39.21	7.65	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5825MHz_TX



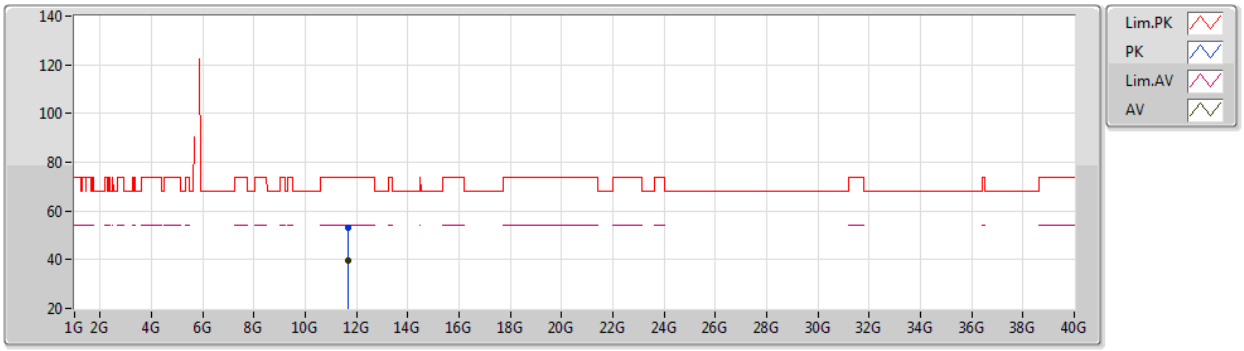
EUT Y_4TX
Setting 30
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.638G	60.11	68.20	-8.09	53.83	3	Vertical	0	1.65	-	34.40	6.82	34.94
PK	5.832G	128.08	Inf	-Inf	121.69	3	Vertical	0	1.65	-	34.40	6.92	34.93
AV	5.834G	116.31	Inf	-Inf	109.92	3	Vertical	0	1.65	-	34.40	6.92	34.93
PK	5.963G	61.20	68.20	-7.00	54.51	3	Vertical	0	1.65	-	34.63	6.98	34.92

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5825MHz_TX



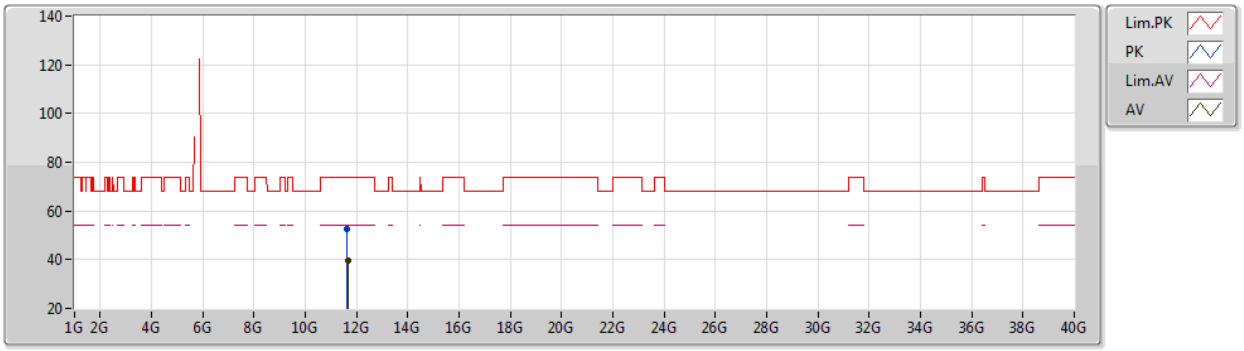
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65042G	53.05	74.00	-20.95	38.95	3	Vertical	326	1.70	-	39.35	7.68	32.93
AV	11.6545G	39.82	54.00	-14.18	25.72	3	Vertical	326	1.70	-	39.35	7.68	32.93

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

27/04/2021

5825MHz_TX



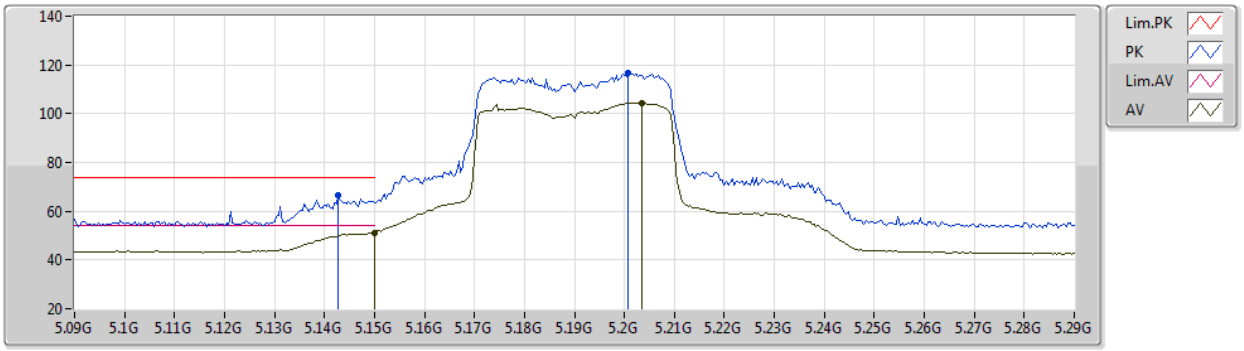
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6389G	52.42	74.00	-21.58	38.34	3	Horizontal	169	1.20	-	39.34	7.67	32.93
AV	11.65372G	39.70	54.00	-14.30	25.60	3	Horizontal	169	1.20	-	39.35	7.68	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

15/04/2021



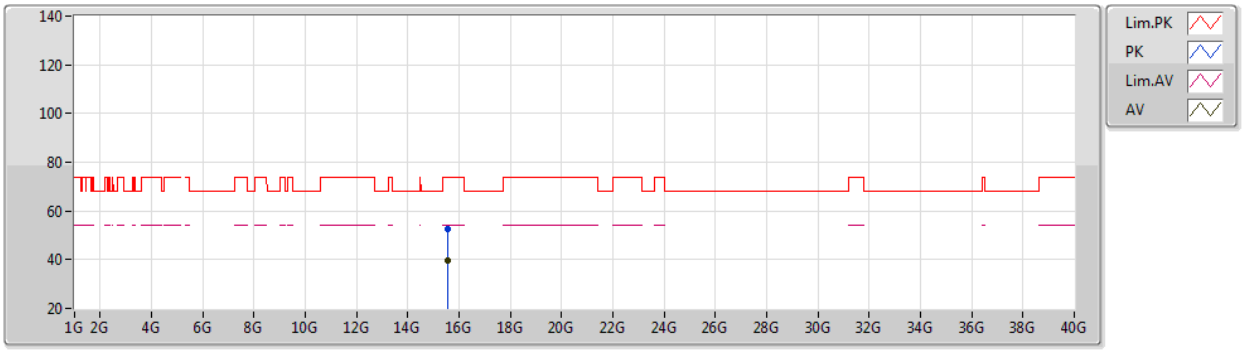
EUT Y_4TX
Setting 23
02-B-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1428G	66.54	74.00	-7.46	61.45	3	Vertical	0	1.80	-	31.83	4.99	31.73
AV	5.15G	51.14	54.00	-2.86	46.07	3	Vertical	0	1.80	-	31.80	5.00	31.73
PK	5.2008G	116.89	Inf	-Inf	111.88	3	Vertical	0	1.80	-	31.60	5.10	31.69
AV	5.2036G	104.52	Inf	-Inf	99.52	3	Vertical	0	1.80	-	31.59	5.10	31.69

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5190MHz_TX



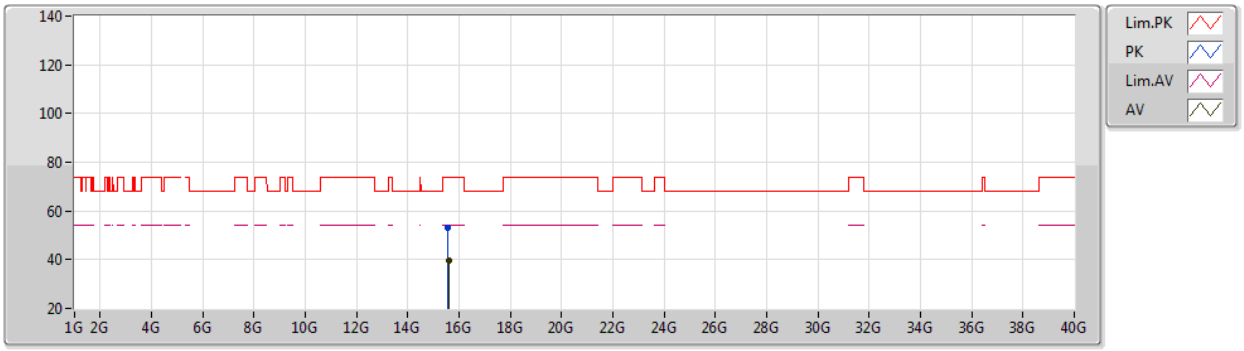
EUT Z_4TX
Setting 23
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.57576G	52.67	74.00	-21.33	38.80	3	Vertical	63	2.65	-	37.67	9.05	32.85
AV	15.56952G	39.56	54.00	-14.44	25.67	3	Vertical	63	2.65	-	37.69	9.05	32.85

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

22/04/2021

5190MHz_TX



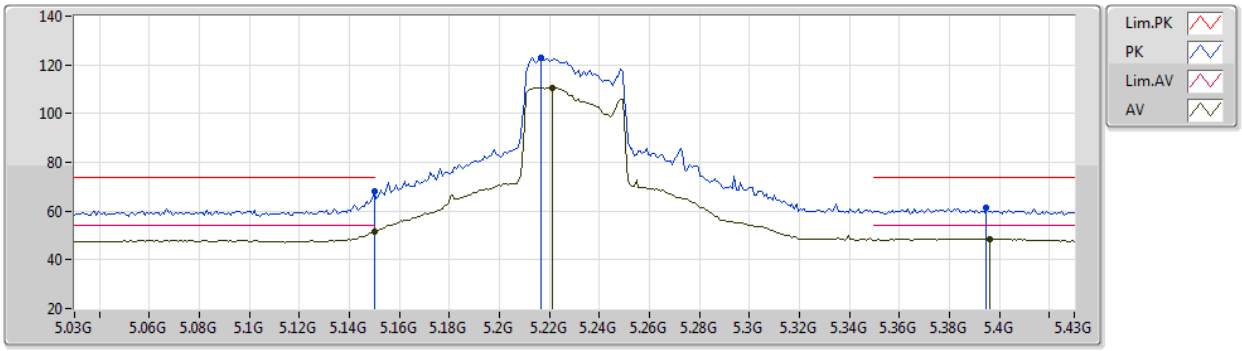
EUT Z_4TX
Setting 23
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.57228G	53.10	74.00	-20.90	39.22	3	Horizontal	293	2.00	-	37.68	9.05	32.85
AV	15.58254G	39.60	54.00	-14.40	25.75	3	Horizontal	293	2.00	-	37.65	9.05	32.85

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

27/04/2021



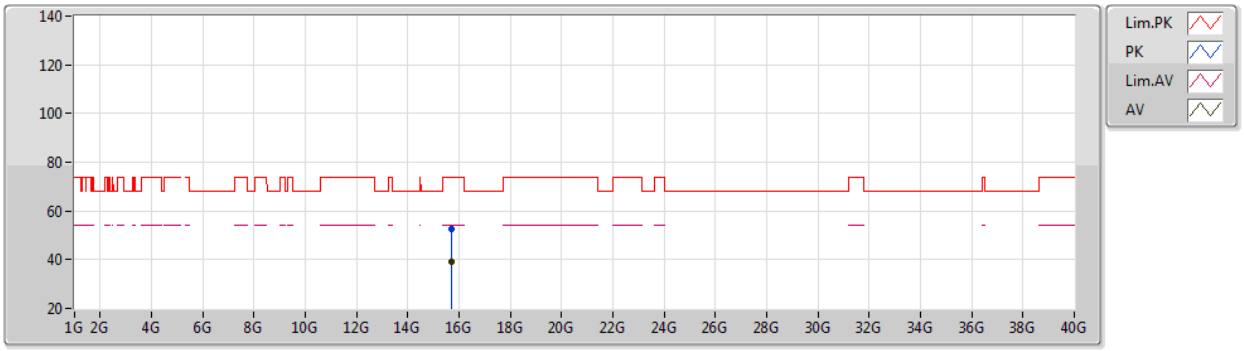
EUT Y_4TX
Setting 27
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	68.12	74.00	-5.88	62.92	3	Vertical	344	1.45	-	34.10	6.43	35.33
AV	5.15G	51.63	54.00	-2.37	46.43	3	Vertical	344	1.45	-	34.10	6.43	35.33
PK	5.2164G	123.15	Inf	-Inf	117.93	3	Vertical	344	1.45	-	34.07	6.41	35.26
AV	5.2212G	110.73	Inf	-Inf	105.49	3	Vertical	344	1.45	-	34.08	6.41	35.25
PK	5.3948G	61.17	74.00	-12.83	55.22	3	Vertical	344	1.45	-	34.51	6.50	35.06
AV	5.3964G	48.70	54.00	-5.30	42.75	3	Vertical	344	1.45	-	34.51	6.50	35.06

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5230MHz_TX



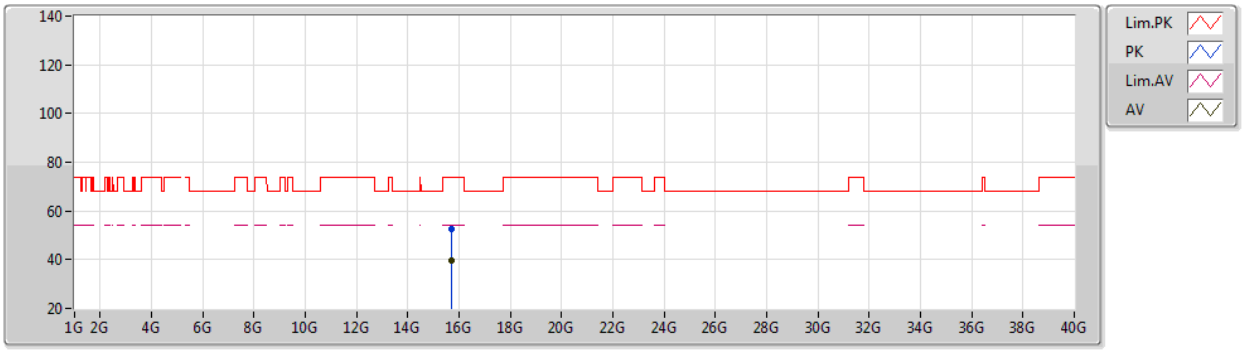
EUT Z_4TX
Setting 27
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.69558G	52.41	74.00	-21.59	38.77	3	Vertical	305	1.30	-	37.41	9.09	32.86
AV	15.69438G	39.31	54.00	-14.69	25.67	3	Vertical	305	1.30	-	37.41	9.09	32.86

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5230MHz_TX



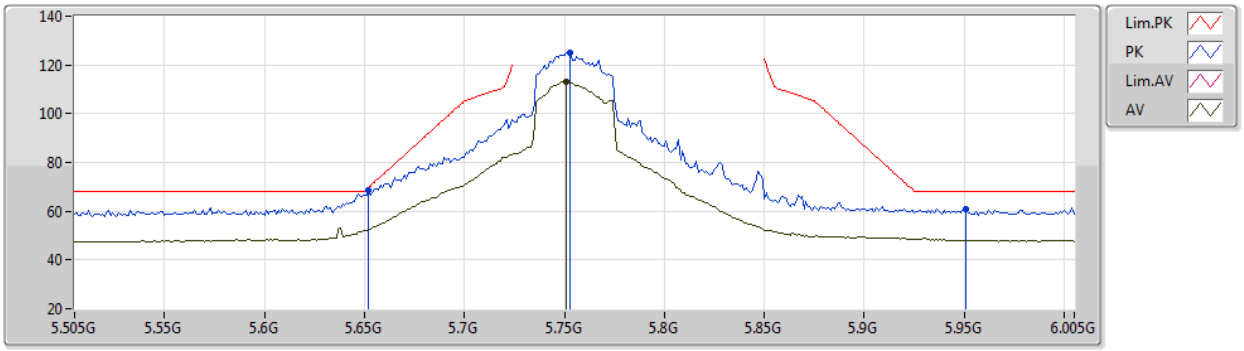
EUT Z_4TX
Setting 27
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.69384G	52.76	74.00	-21.24	39.12	3	Horizontal	116	2.18	-	37.41	9.09	32.86
AV	15.68154G	39.42	54.00	-14.58	25.74	3	Horizontal	116	2.18	-	37.44	9.09	32.85

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5755MHz_TX



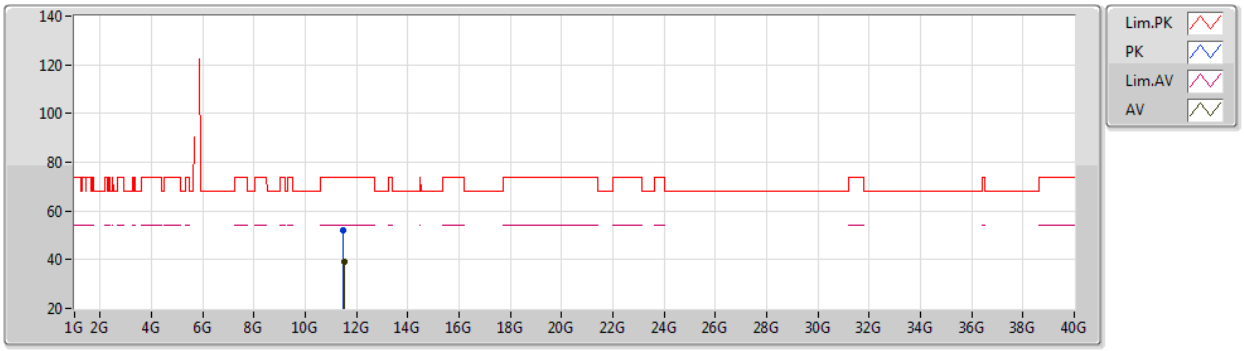
EUT Y_4TX
Setting 29
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.652G	68.61	69.68	-1.07	62.32	3	Vertical	310	1.76	-	34.40	6.83	34.94
PK	5.753G	124.84	Inf	-Inf	118.49	3	Vertical	310	1.76	-	34.40	6.88	34.93
AV	5.751G	113.31	Inf	-Inf	106.96	3	Vertical	310	1.76	-	34.40	6.88	34.93
PK	5.951G	60.87	68.20	-7.33	54.21	3	Vertical	310	1.76	-	34.60	6.98	34.92

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5755MHz_TX



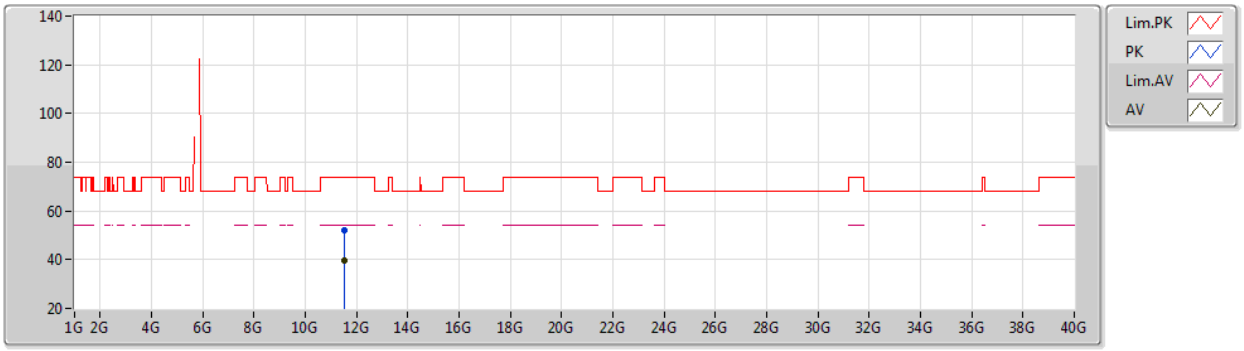
EUT Z_4TX
Setting 29
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49914G	51.93	74.00	-22.07	38.24	3	Vertical	340	1.16	-	39.00	7.62	32.93
AV	11.51126G	39.32	54.00	-14.68	25.59	3	Vertical	340	1.16	-	39.03	7.63	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

27/04/2021



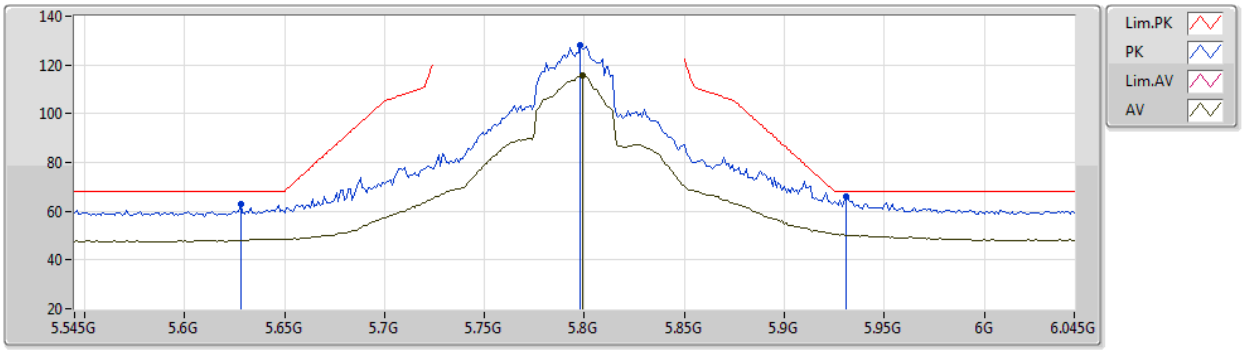
EUT Z_4TX
Setting 29
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50442G	51.90	74.00	-22.10	38.19	3	Horizontal	219	1.30	-	39.01	7.63	32.93
AV	11.50514G	39.54	54.00	-14.46	25.82	3	Horizontal	219	1.30	-	39.02	7.63	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

27/04/2021



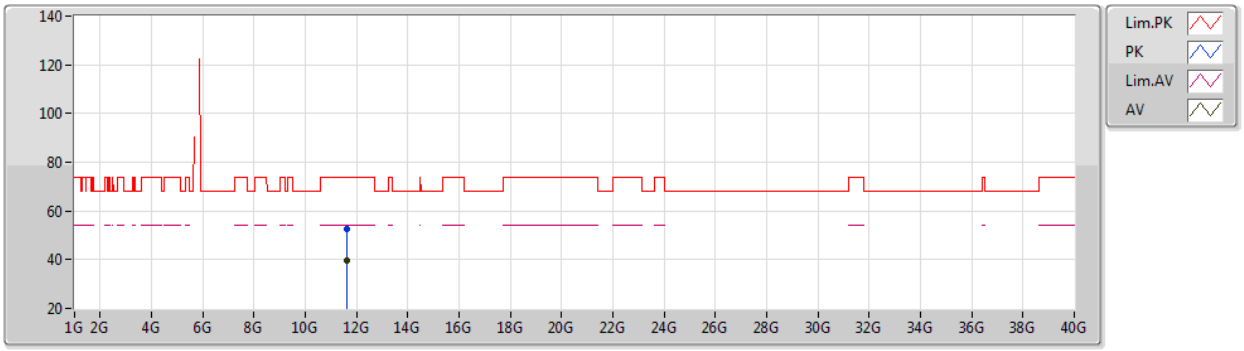
EUT Y_4TX
Setting 30
03-C-K-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.628G	62.88	68.20	-5.32	56.61	3	Vertical	14	1.63	-	34.40	6.81	34.94
PK	5.798G	127.97	Inf	-Inf	121.60	3	Vertical	14	1.63	-	34.40	6.90	34.93
AV	5.799G	115.72	Inf	-Inf	109.35	3	Vertical	14	1.63	-	34.40	6.90	34.93
PK	5.931G	65.97	68.20	-2.23	59.28	3	Vertical	14	1.63	-	34.64	6.97	34.92

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5795MHz_TX



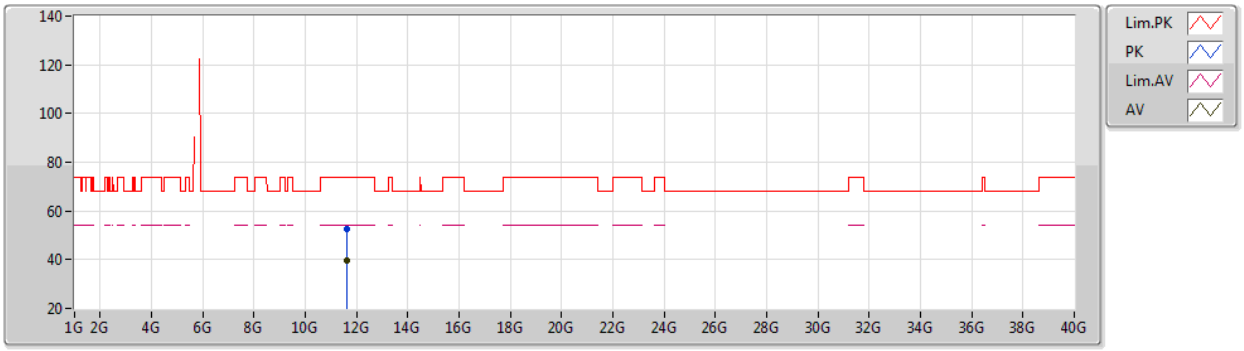
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.60416G	52.73	74.00	-21.27	38.70	3	Vertical	30	1.46	-	39.30	7.66	32.93
AV	11.605G	39.64	54.00	-14.36	25.61	3	Vertical	30	1.46	-	39.30	7.66	32.93

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

27/04/2021

5795MHz_TX



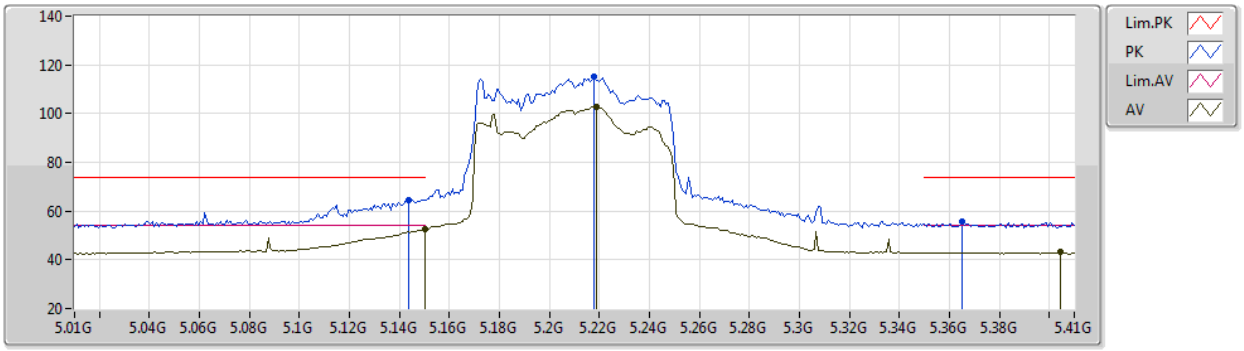
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5999G	52.64	74.00	-21.36	38.61	3	Horizontal	191	2.95	-	39.30	7.66	32.93
AV	11.5993G	39.63	54.00	-14.37	25.60	3	Horizontal	191	2.95	-	39.30	7.66	32.93

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

15/04/2021



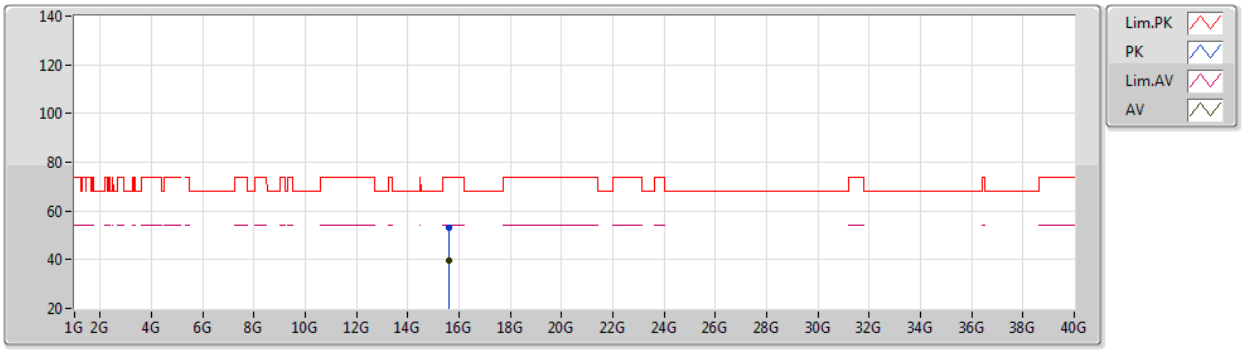
EUT Y_4TX
Setting 22
02-B-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1436G	64.74	74.00	-9.26	59.65	3	Vertical	298	1.78	-	31.83	4.99	31.73
AV	5.15G	52.72	54.00	-1.28	47.65	3	Vertical	298	1.78	-	31.80	5.00	31.73
PK	5.218G	115.10	Inf	-Inf	110.16	3	Vertical	298	1.78	-	31.53	5.09	31.68
AV	5.2188G	102.78	Inf	-Inf	97.85	3	Vertical	298	1.78	-	31.52	5.09	31.68
PK	5.3652G	55.60	74.00	-18.40	50.73	3	Vertical	298	1.78	-	31.42	5.02	31.57
AV	5.4044G	43.07	54.00	-10.93	37.91	3	Vertical	298	1.78	-	31.70	5.00	31.54

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5210MHz_TX



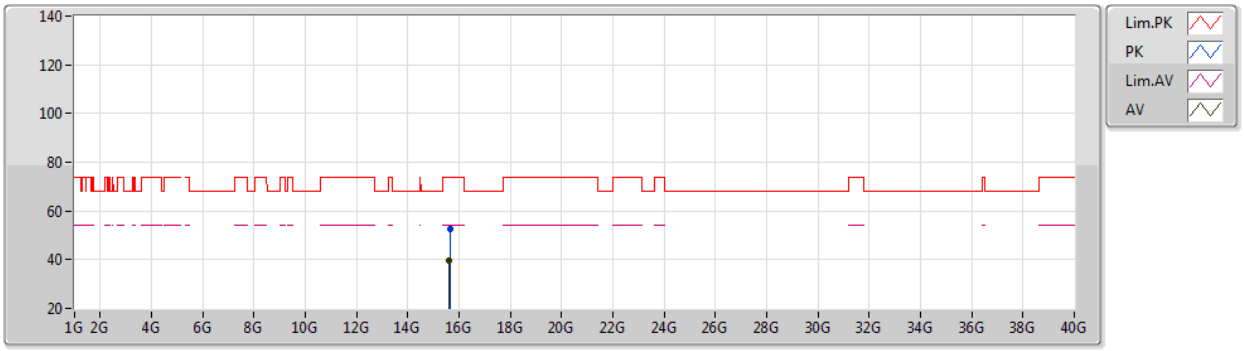
EUT Z_4TX
Setting 22
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.61902G	52.91	74.00	-21.09	39.13	3	Vertical	260	2.03	-	37.56	9.07	32.85
AV	15.6174G	39.44	54.00	-14.56	25.65	3	Vertical	260	2.03	-	37.57	9.07	32.85

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

22/04/2021

5210MHz_TX



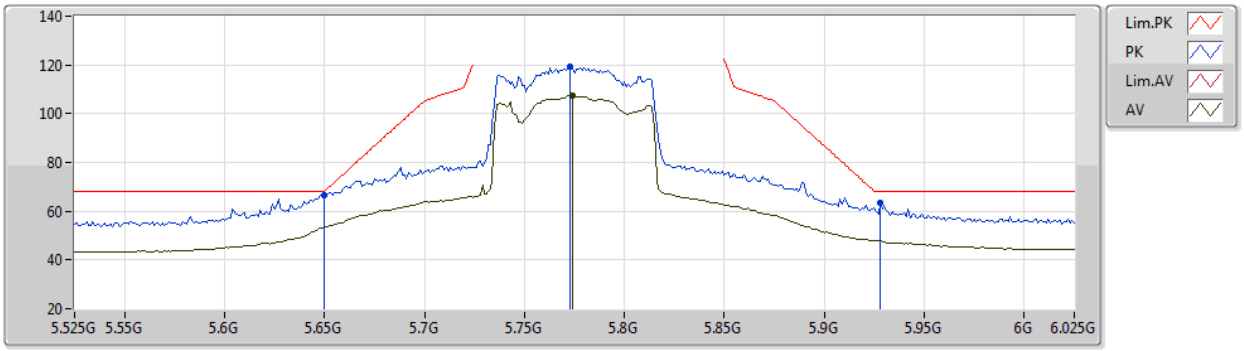
EUT Z_4TX
Setting 22
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.63558G	52.39	74.00	-21.61	38.64	3	Horizontal	282	1.18	-	37.53	9.07	32.85
AV	15.63G	39.56	54.00	-14.44	25.80	3	Horizontal	282	1.18	-	37.54	9.07	32.85

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

15/04/2021



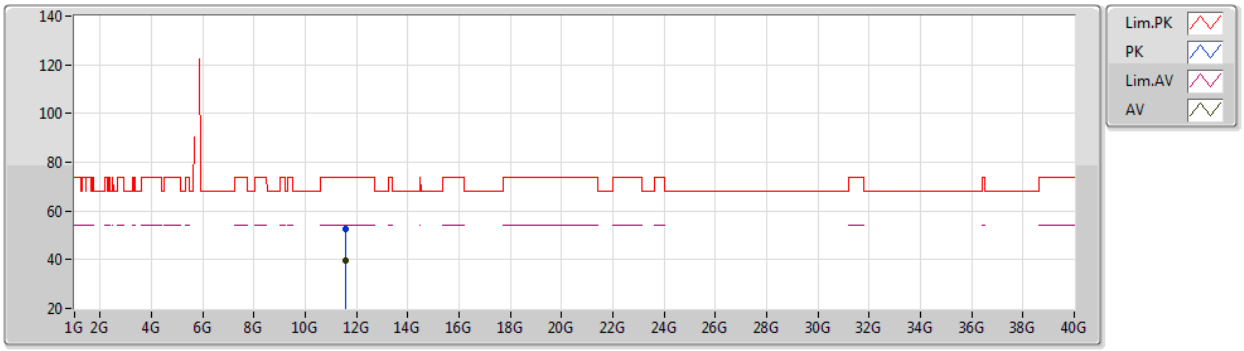
EUT Y_4TX
Setting 26
02-B-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.65G	66.72	68.20	-1.48	61.43	3	Vertical	1	1.62	-	31.60	5.15	31.46
PK	5.773G	119.30	Inf	-Inf	113.83	3	Vertical	1	1.62	-	31.90	5.03	31.46
AV	5.774G	107.39	Inf	-Inf	101.92	3	Vertical	1	1.62	-	31.90	5.03	31.46
PK	5.928G	63.22	68.20	-4.98	57.08	3	Vertical	1	1.62	-	32.21	5.38	31.45

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

22/04/2021



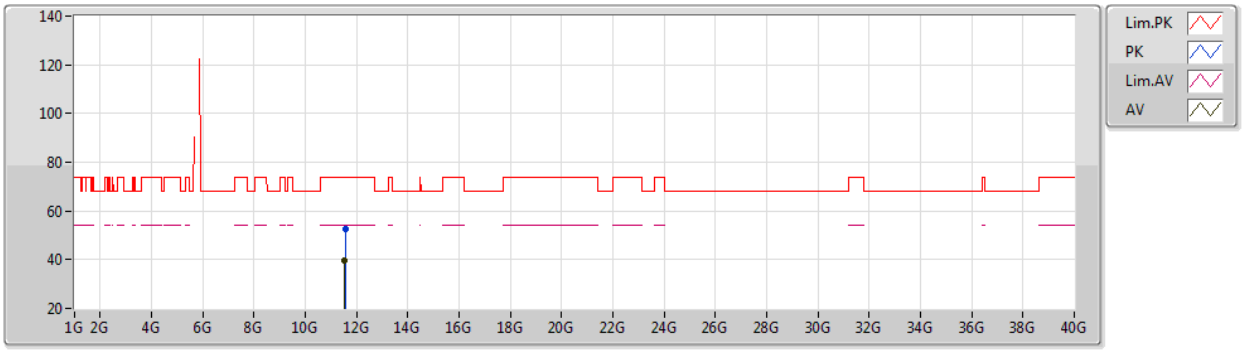
EUT Z_4TX
Setting 26
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55246G	52.68	74.00	-21.32	38.81	3	Vertical	184	2.11	-	39.16	7.64	32.93
AV	11.55492G	39.47	54.00	-14.53	25.60	3	Vertical	184	2.11	-	39.16	7.64	32.93

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

22/04/2021



EUT Z_4TX
Setting 26
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55372G	52.76	74.00	-21.24	38.89	3	Horizontal	209	1.27	-	39.16	7.64	32.93
AV	11.54256G	39.71	54.00	-14.29	25.87	3	Horizontal	209	1.27	-	39.13	7.64	32.93

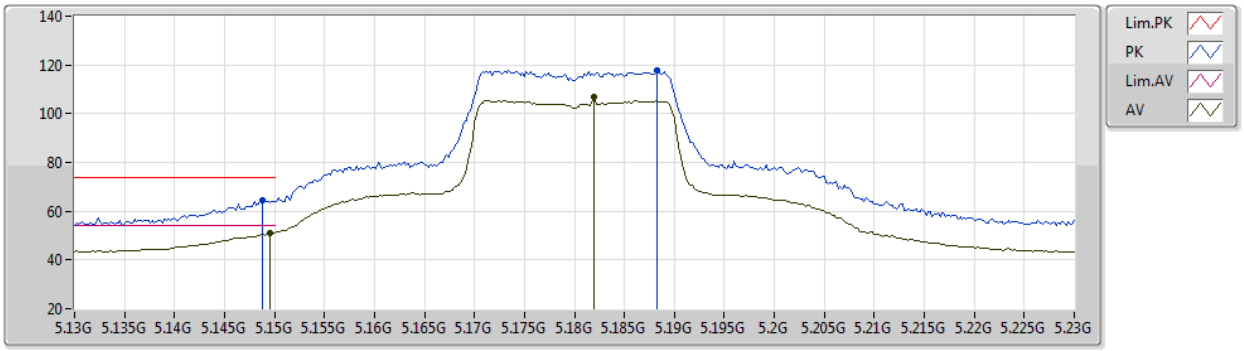
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss4,(MCS0)_4TX	Pass	AV	5.15G	52.56	54.00	-1.44	3	Vertical	345	1.80	-

802.11ax HEW20_Nss4,(MCS0)_4TX

5180MHz_TX

06/05/2021



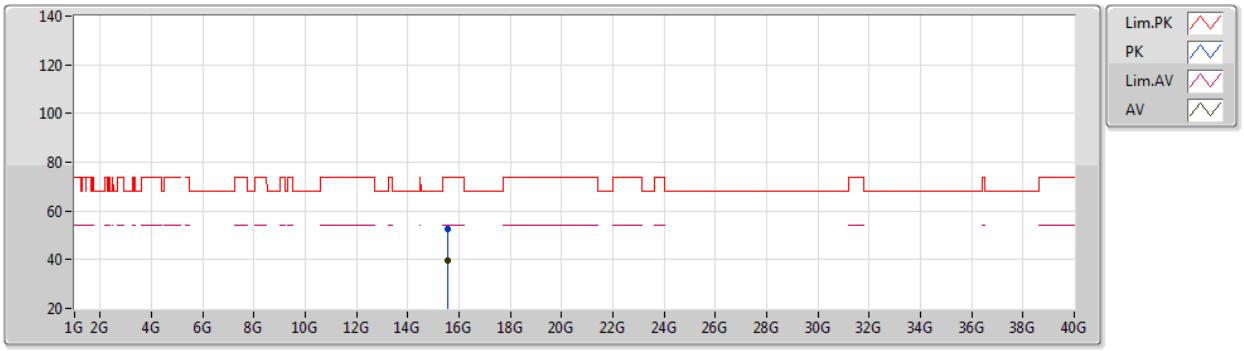
EUT Y_4TX
Setting 25
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	64.28	74.00	-9.72	59.21	3	Vertical	312	1.81	-	31.80	5.00	31.73
AV	5.1496G	50.95	54.00	-3.05	45.88	3	Vertical	312	1.81	-	31.80	5.00	31.73
PK	5.1882G	117.95	Inf	-Inf	112.92	3	Vertical	312	1.81	-	31.65	5.08	31.70
AV	5.182G	106.77	Inf	-Inf	101.75	3	Vertical	312	1.81	-	31.67	5.06	31.71

802.11ax HEW20_Nss4,(MCS0)_4TX

5180MHz_TX

21/05/2021



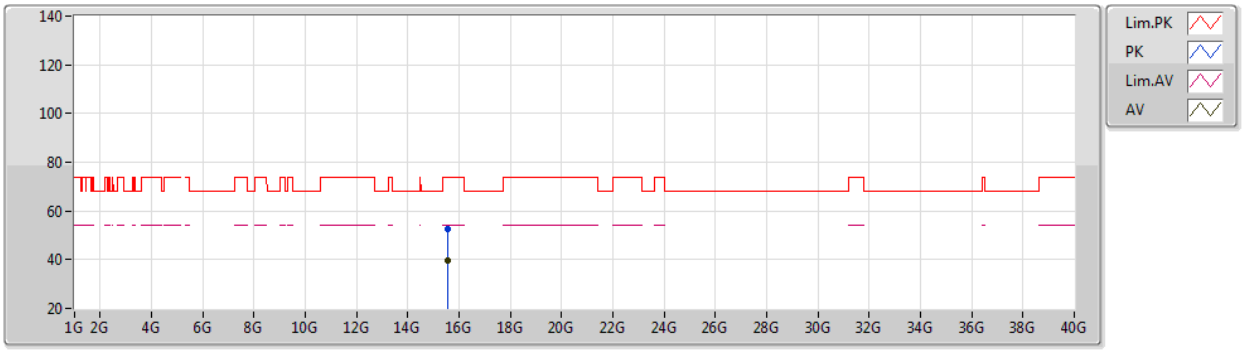
EUT Z_4TX
Setting 25
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.55206G	52.69	74.00	-21.31	38.75	3	Vertical	268	1.89	-	37.74	9.04	32.84
AV	15.53814G	39.64	54.00	-14.36	25.65	3	Vertical	268	1.89	-	37.79	9.04	32.84

802.11ax HEW20_Nss4,(MCS0)_4TX

5180MHz_TX

21/05/2021



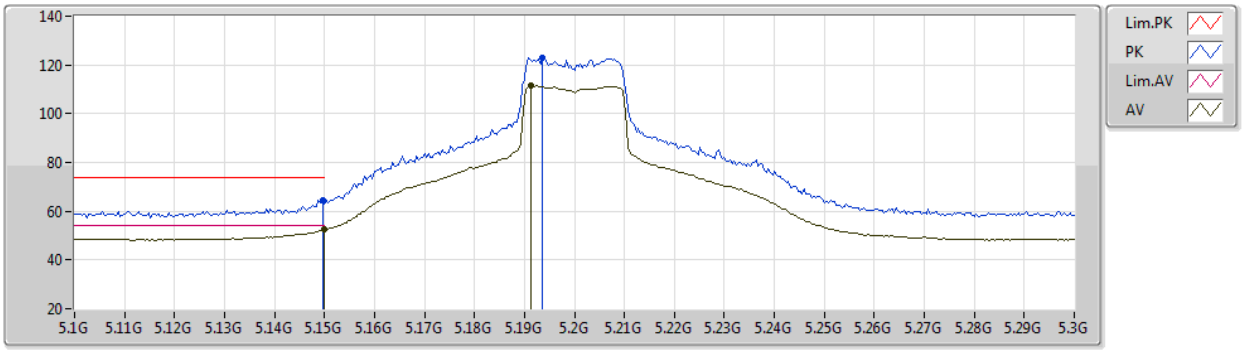
EUT Z_4TX
Setting 25
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.53334G	52.47	74.00	-21.53	38.47	3	Horizontal	30	2.65	-	37.80	9.04	32.84
AV	15.53322G	39.70	54.00	-14.30	25.70	3	Horizontal	30	2.65	-	37.80	9.04	32.84

802.11ax HEW20_Nss4,(MCS0)_4TX

5200MHz_TX

04/05/2021



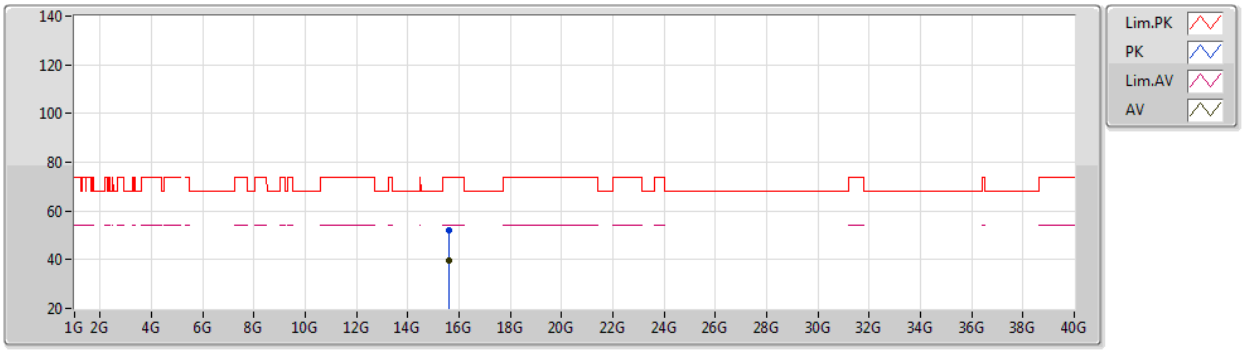
EUT Y_4TX
Setting 29
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	64.73	74.00	-9.27	59.08	3	Vertical	345	1.80	-	32.80	5.65	32.80
AV	5.15G	52.56	54.00	-1.44	46.91	3	Vertical	345	1.80	-	32.80	5.65	32.80
PK	5.1936G	122.83	Inf	-Inf	117.03	3	Vertical	345	1.80	-	32.89	5.69	32.78
AV	5.1912G	111.51	Inf	-Inf	105.72	3	Vertical	345	1.80	-	32.88	5.69	32.78

802.11ax HEW20_Nss4,(MCS0)_4TX

5200MHz_TX

21/05/2021



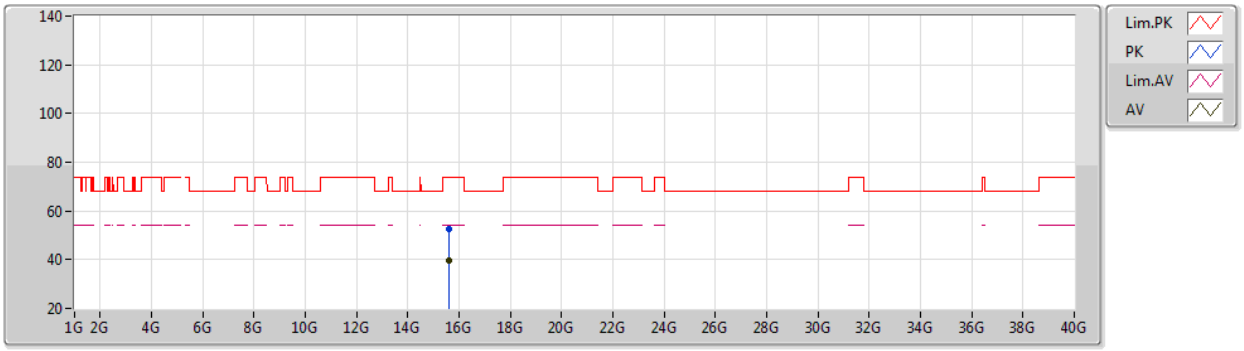
EUT Z_4TX
Setting 29
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.59496G	52.23	74.00	-21.77	38.40	3	Vertical	111	1.06	-	37.62	9.06	32.85
AV	15.58662G	39.58	54.00	-14.42	25.73	3	Vertical	111	1.06	-	37.64	9.06	32.85

802.11ax HEW20_Nss4,(MCS0)_4TX

5200MHz_TX

21/05/2021



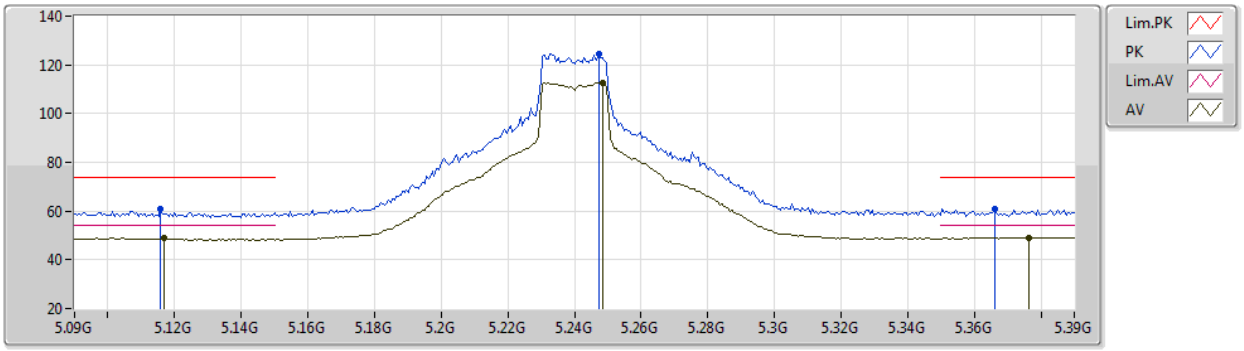
EUT Z_4TX
Setting 29
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.60354G	52.43	74.00	-21.57	38.63	3	Horizontal	331	1.20	-	37.59	9.06	32.85
AV	15.61254G	39.64	54.00	-14.36	25.86	3	Horizontal	331	1.20	-	37.57	9.06	32.85

802.11ax HEW20_Nss4,(MCS0)_4TX

5240MHz_TX

04/05/2021



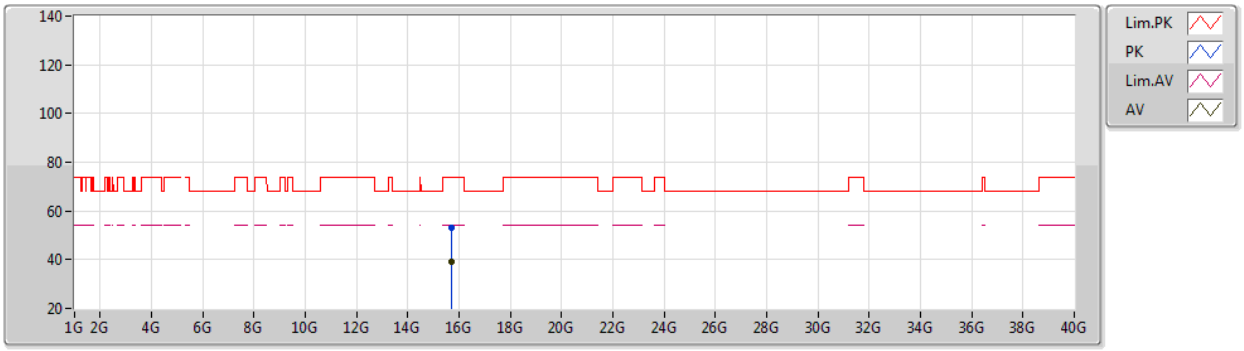
EUT Y_4TX
Setting 30
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1158G	60.65	74.00	-13.35	55.04	3	Vertical	345	1.96	-	32.80	5.62	32.81
AV	5.117G	48.85	54.00	-5.15	43.24	3	Vertical	345	1.96	-	32.80	5.62	32.81
PK	5.2472G	124.42	Inf	-Inf	118.56	3	Vertical	345	1.96	-	32.90	5.72	32.76
AV	5.2484G	112.60	Inf	-Inf	106.74	3	Vertical	345	1.96	-	32.90	5.72	32.76
PK	5.366G	60.74	74.00	-13.26	54.55	3	Vertical	345	1.96	-	33.13	5.78	32.72
AV	5.3762G	49.12	54.00	-4.88	42.83	3	Vertical	345	1.96	-	33.21	5.79	32.71

802.11ax HEW20_Nss4,(MCS0)_4TX

5240MHz_TX

21/05/2021



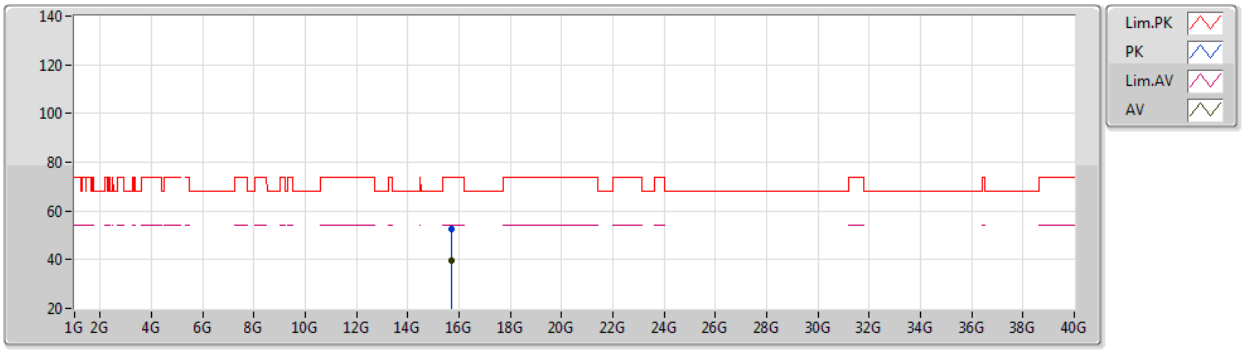
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.711G	53.05	74.00	-20.95	39.41	3	Vertical	360	1.02	-	37.40	9.10	32.86
AV	15.7188G	39.25	54.00	-14.75	25.61	3	Vertical	360	1.02	-	37.40	9.10	32.86

802.11ax HEW20_Nss4,(MCS0)_4TX

5240MHz_TX

21/05/2021



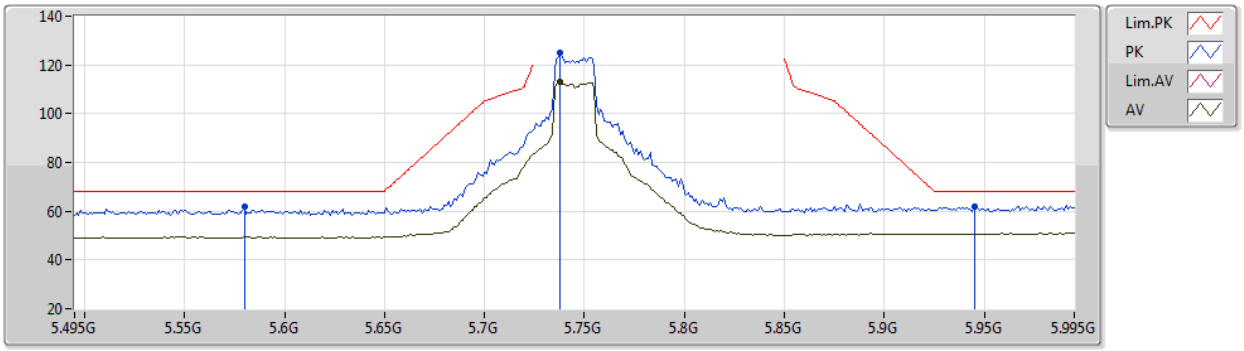
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.72348G	52.42	74.00	-21.58	38.78	3	Horizontal	169	2.96	-	37.40	9.10	32.86
AV	15.7065G	39.46	54.00	-14.54	25.82	3	Horizontal	169	2.96	-	37.40	9.10	32.86

802.11ax HEW20_Nss4,(MCS0)_4TX

5745MHz_TX

04/05/2021



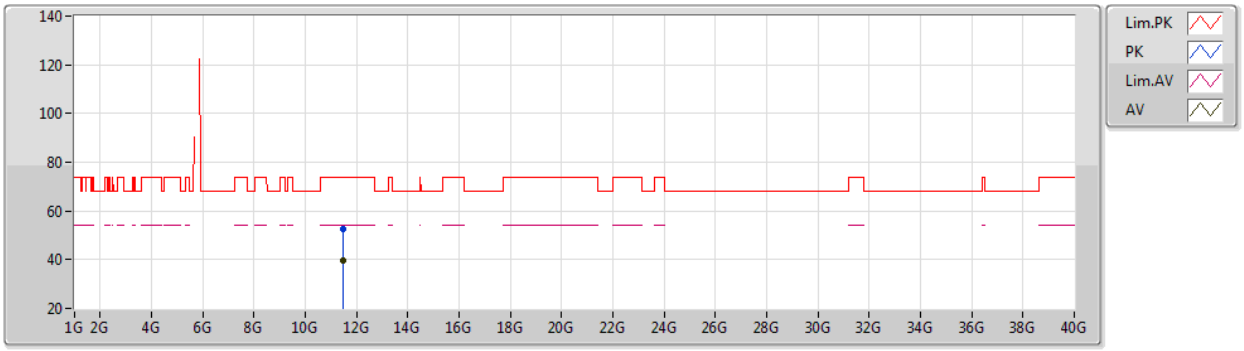
EUT Y_4TX
Setting 30
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.58G	61.83	68.20	-6.37	54.78	3	Vertical	17	1.80	-	33.86	5.89	32.70
PK	5.738G	125.23	Inf	-Inf	117.86	3	Vertical	17	1.80	-	34.15	5.97	32.75
AV	5.738G	113.16	Inf	-Inf	105.79	3	Vertical	17	1.80	-	34.15	5.97	32.75
PK	5.945G	62.14	68.20	-6.06	53.82	3	Vertical	17	1.80	-	34.98	6.15	32.81

802.11ax HEW20_Nss4,(MCS0)_4TX

5745MHz_TX

04/05/2021



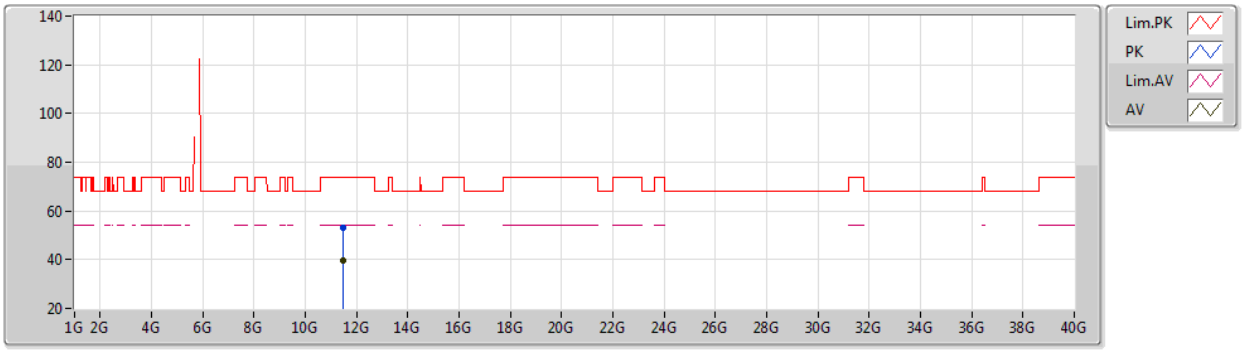
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49252G	52.45	74.00	-21.55	38.77	3	Vertical	257	2.37	-	38.99	7.62	32.93
AV	11.48358G	39.55	54.00	-14.45	25.88	3	Vertical	257	2.37	-	38.97	7.62	32.92

802.11ax HEW20_Nss4,(MCS0)_4TX

5745MHz_TX

04/05/2021



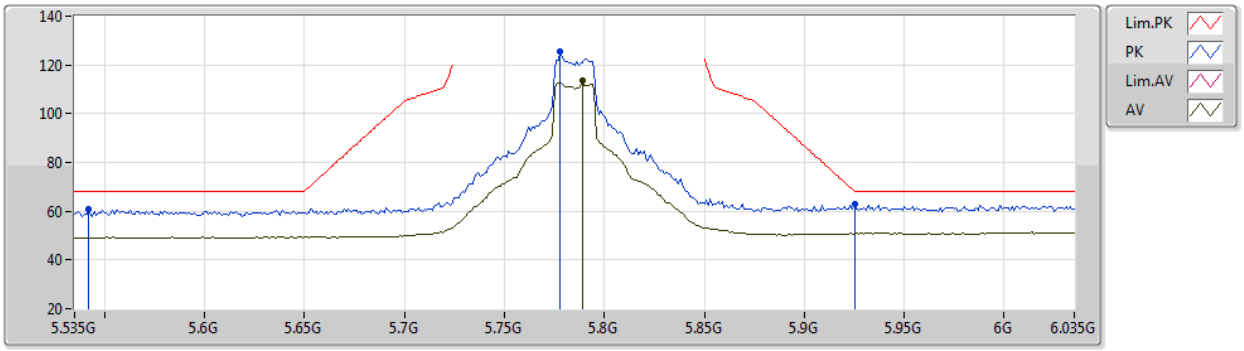
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.48988G	53.18	74.00	-20.82	39.51	3	Horizontal	40	1.90	-	38.98	7.62	32.93
AV	11.47698G	39.53	54.00	-14.47	25.88	3	Horizontal	40	1.90	-	38.95	7.62	32.92

802.11ax HEW20_Nss4,(MCS0)_4TX

5785MHz_TX

04/05/2021



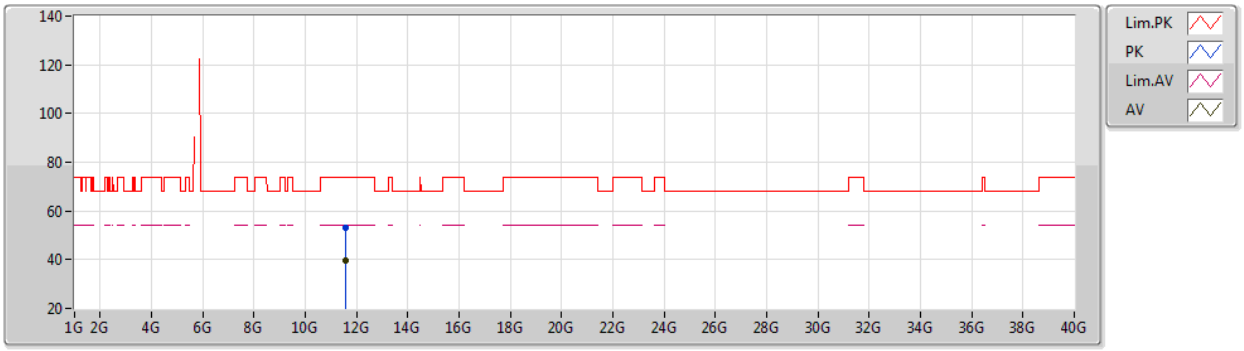
EUT Y_4TX
Setting 30
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.542G	60.75	68.20	-7.45	53.76	3	Vertical	330	1.80	-	33.80	5.87	32.68
PK	5.778G	125.37	Inf	-Inf	117.94	3	Vertical	330	1.80	-	34.20	5.99	32.76
AV	5.789G	113.47	Inf	-Inf	106.04	3	Vertical	330	1.80	-	34.20	5.99	32.76
PK	5.925G	62.93	68.20	-5.27	54.71	3	Vertical	330	1.80	-	34.90	6.13	32.81

802.11ax HEW20_Nss4,(MCS0)_4TX

5785MHz_TX

21/05/2021



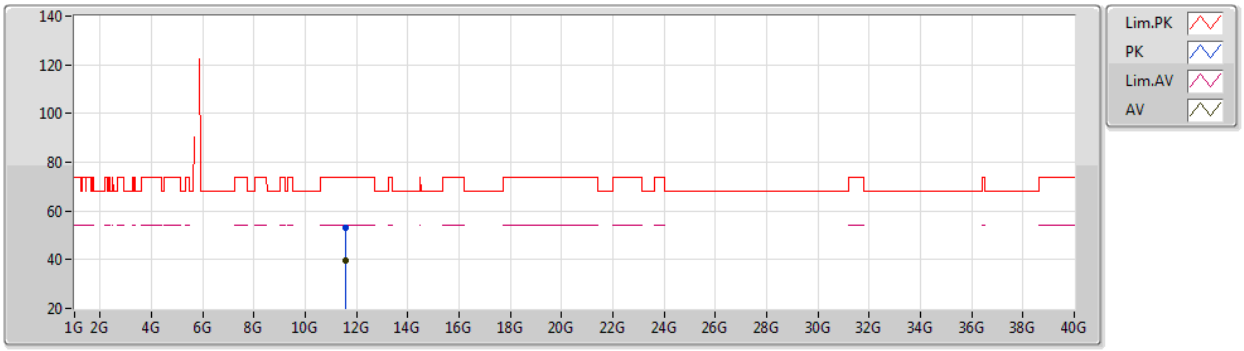
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57504G	52.99	74.00	-21.01	39.04	3	Vertical	254	1.36	-	39.23	7.65	32.93
AV	11.57666G	39.46	54.00	-14.54	25.51	3	Vertical	254	1.36	-	39.23	7.65	32.93

802.11ax HEW20_Nss4,(MCS0)_4TX

5785MHz_TX

21/05/2021



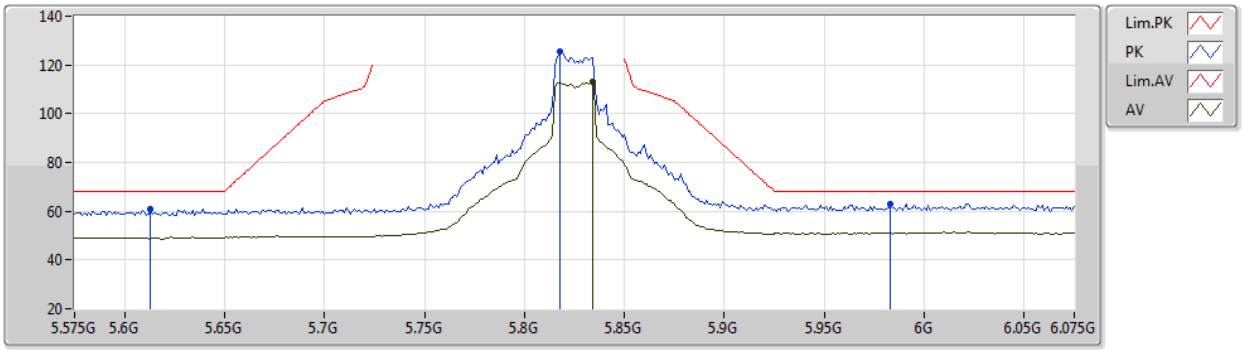
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5649G	52.85	74.00	-21.15	38.94	3	Horizontal	192	2.62	-	39.19	7.65	32.93
AV	11.56424G	39.46	54.00	-14.54	25.55	3	Horizontal	192	2.62	-	39.19	7.65	32.93

802.11ax HEW20_Nss4,(MCS0)_4TX

5825MHz_TX

04/05/2021



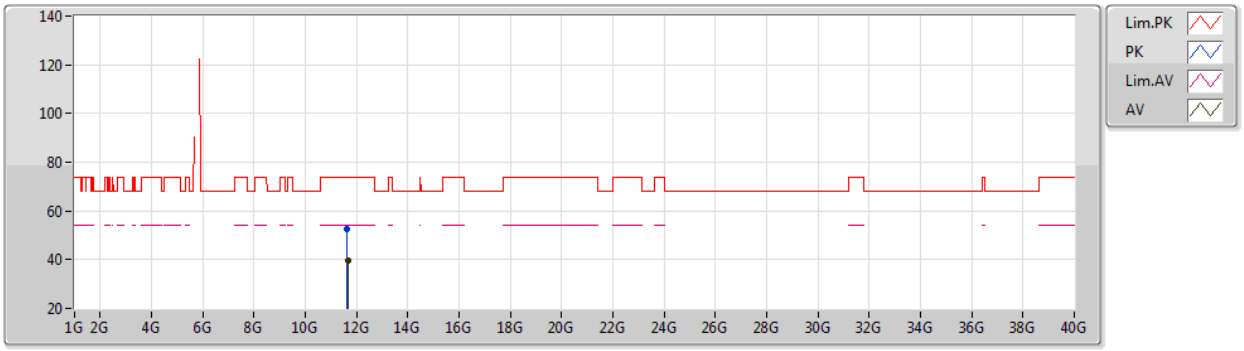
EUT Y_4TX
Setting 30
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.613G	60.77	68.20	-7.43	53.67	3	Vertical	0	1.80	-	33.90	5.91	32.71
PK	5.818G	125.67	Inf	-Inf	118.11	3	Vertical	0	1.80	-	34.31	6.02	32.77
AV	5.834G	112.96	Inf	-Inf	105.31	3	Vertical	0	1.80	-	34.40	6.03	32.78
PK	5.983G	62.86	68.20	-5.34	54.37	3	Vertical	0	1.80	-	35.13	6.18	32.82

802.11ax HEW20_Nss4,(MCS0)_4TX

5825MHz_TX

04/05/2021



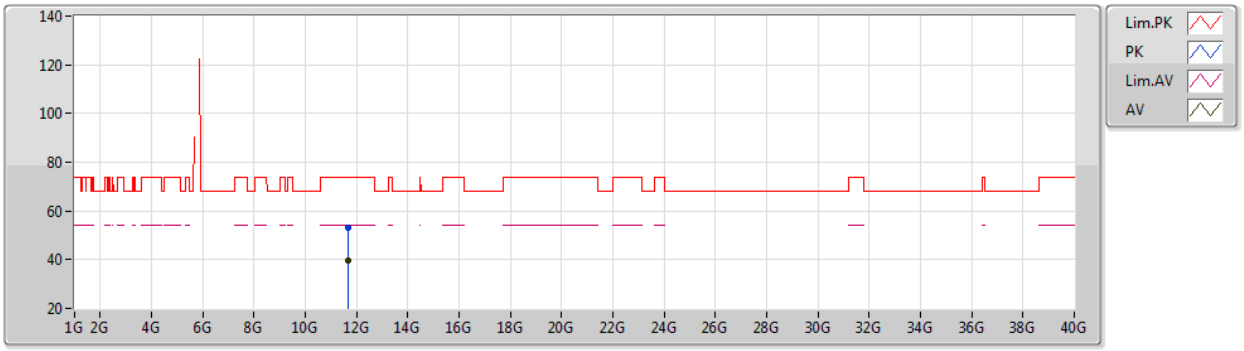
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6431G	52.75	74.00	-21.25	38.66	3	Vertical	0	1.59	-	39.34	7.68	32.93
AV	11.65558G	39.66	54.00	-14.34	25.55	3	Vertical	0	1.59	-	39.36	7.68	32.93

802.11ax HEW20_Nss4,(MCS0)_4TX

5825MHz_TX

04/05/2021



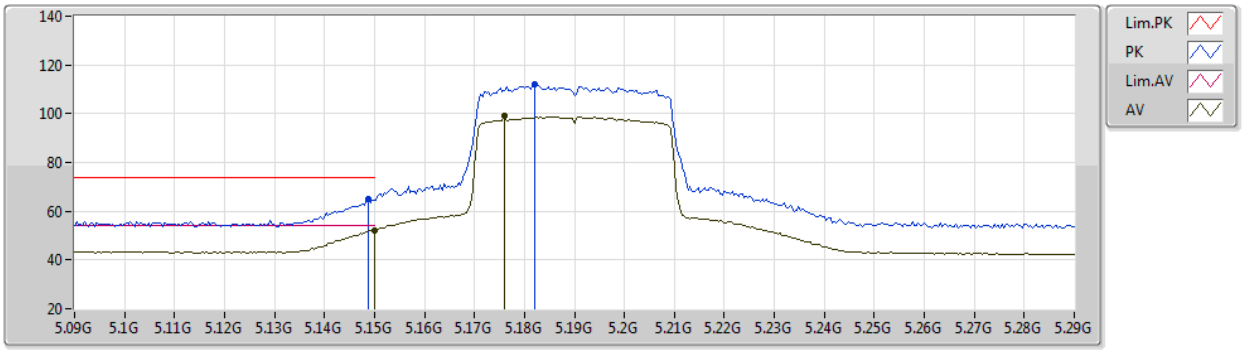
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.66122G	52.85	74.00	-21.15	38.74	3	Horizontal	126	1.58	-	39.36	7.68	32.93
AV	11.66248G	39.58	54.00	-14.42	25.47	3	Horizontal	126	1.58	-	39.36	7.68	32.93

802.11ax HEW40_Nss4,(MCS0)_4TX

5190MHz_TX

06/05/2021



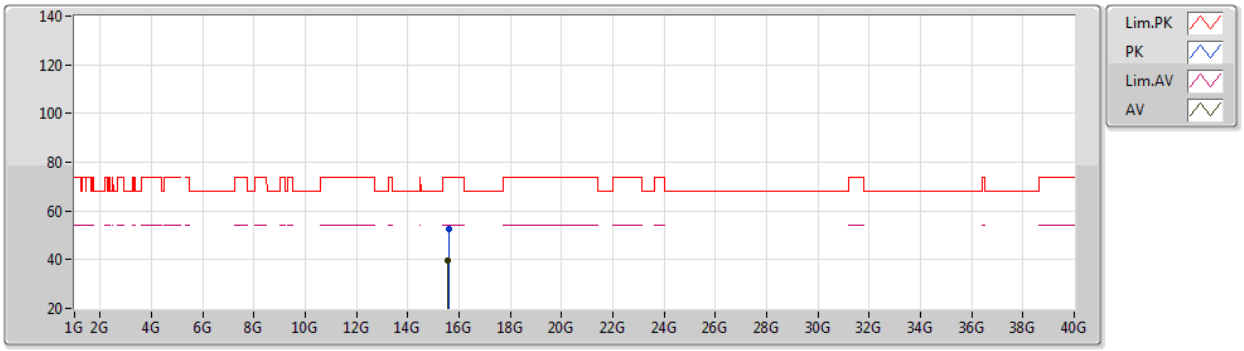
EUT Y_4TX
Setting 21
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	64.80	74.00	-9.20	59.73	3	Vertical	350	2.64	-	31.80	5.00	31.73
AV	5.15G	52.05	54.00	-1.95	46.98	3	Vertical	350	2.64	-	31.80	5.00	31.73
PK	5.182G	112.26	Inf	-Inf	107.24	3	Vertical	350	2.64	-	31.67	5.06	31.71
AV	5.176G	99.14	Inf	-Inf	94.10	3	Vertical	350	2.64	-	31.70	5.05	31.71

802.11ax HEW40_Nss4,(MCS0)_4TX

5190MHz_TX

06/05/2021



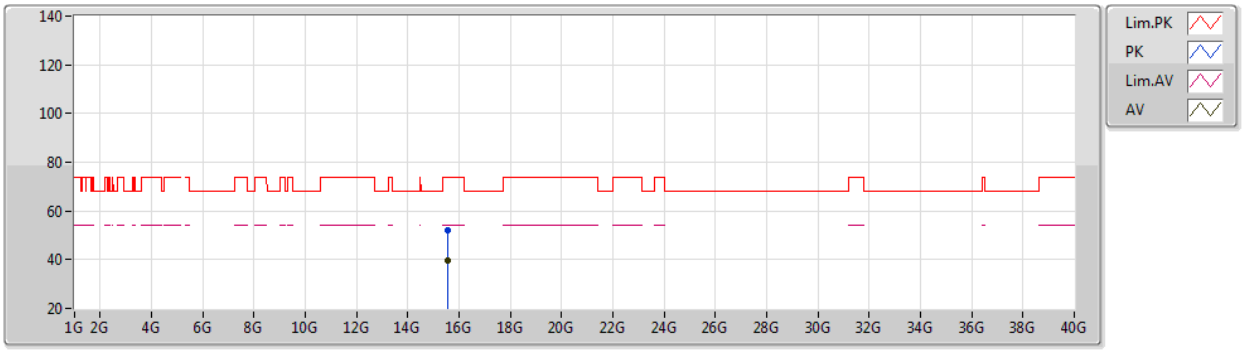
EUT Z_4TX
Setting 21
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5832G	52.51	74.00	-21.49	38.66	3	Vertical	89	2.48	-	37.65	9.05	32.85
AV	15.56274G	39.70	54.00	-14.30	25.79	3	Vertical	89	2.48	-	37.71	9.05	32.85

802.11ax HEW40_Nss4,(MCS0)_4TX

5190MHz_TX

06/05/2021



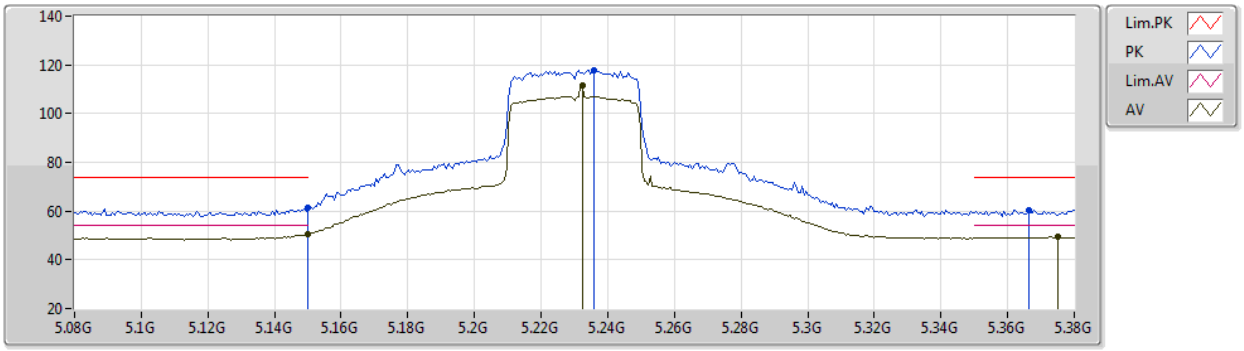
EUT Z_4TX
Setting 21
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.57396G	52.25	74.00	-21.75	38.37	3	Horizontal	347	2.24	-	37.68	9.05	32.85
AV	15.57342G	39.66	54.00	-14.34	25.78	3	Horizontal	347	2.24	-	37.68	9.05	32.85

802.11ax HEW40_Nss4,(MCS0)_4TX

5230MHz_TX

04/05/2021



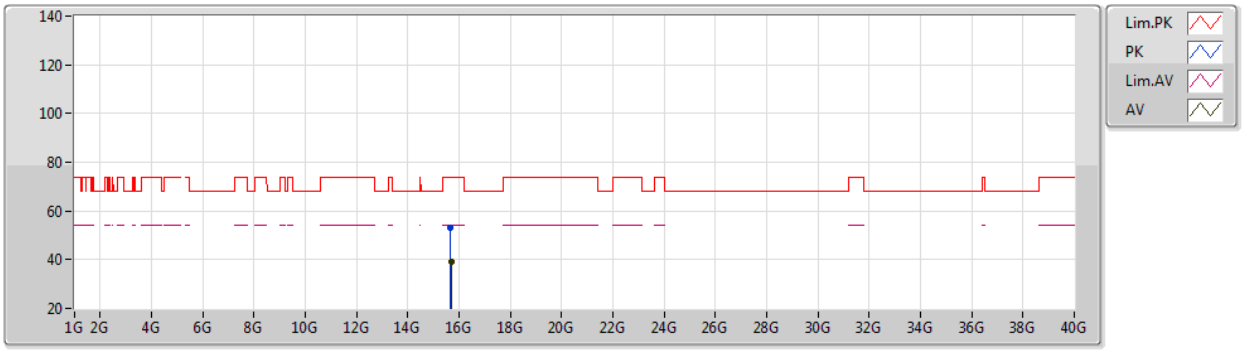
EUT Y_4TX
Setting 27
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	61.55	74.00	-12.45	55.90	3	Vertical	344	1.80	-	32.80	5.65	32.80
AV	5.15G	50.50	54.00	-3.50	44.85	3	Vertical	344	1.80	-	32.80	5.65	32.80
PK	5.236G	117.91	Inf	-Inf	112.06	3	Vertical	344	1.80	-	32.90	5.72	32.77
AV	5.2324G	111.48	Inf	-Inf	105.63	3	Vertical	344	1.80	-	32.90	5.72	32.77
PK	5.3662G	60.60	74.00	-13.40	54.41	3	Vertical	344	1.80	-	33.13	5.78	32.72
AV	5.3752G	49.48	54.00	-4.52	43.20	3	Vertical	344	1.80	-	33.20	5.79	32.71

802.11ax HEW40_Nss4,(MCS0)_4TX

5230MHz_TX

21/05/2021



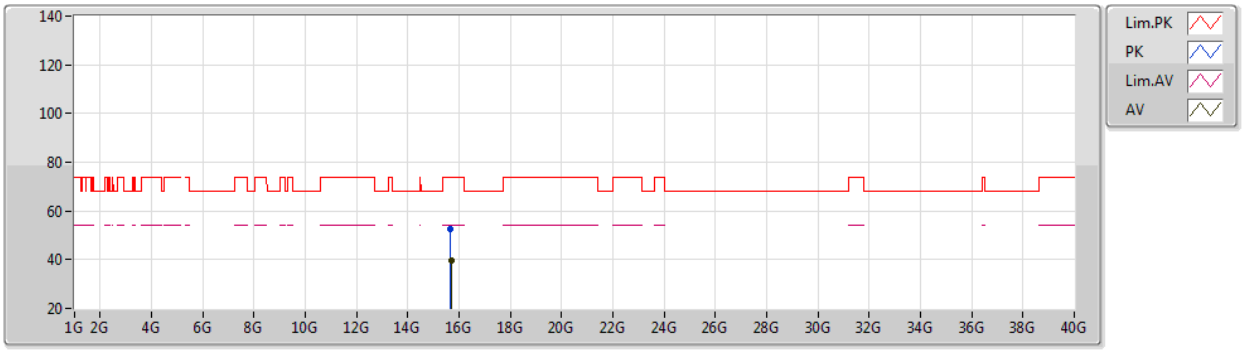
EUT Z_4TX
Setting 27
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.67704G	52.88	74.00	-21.12	39.19	3	Vertical	340	2.54	-	37.45	9.09	32.85
AV	15.7029G	39.33	54.00	-14.67	25.69	3	Vertical	340	2.54	-	37.40	9.10	32.86

802.11ax HEW40_Nss4,(MCS0)_4TX

5230MHz_TX

21/05/2021



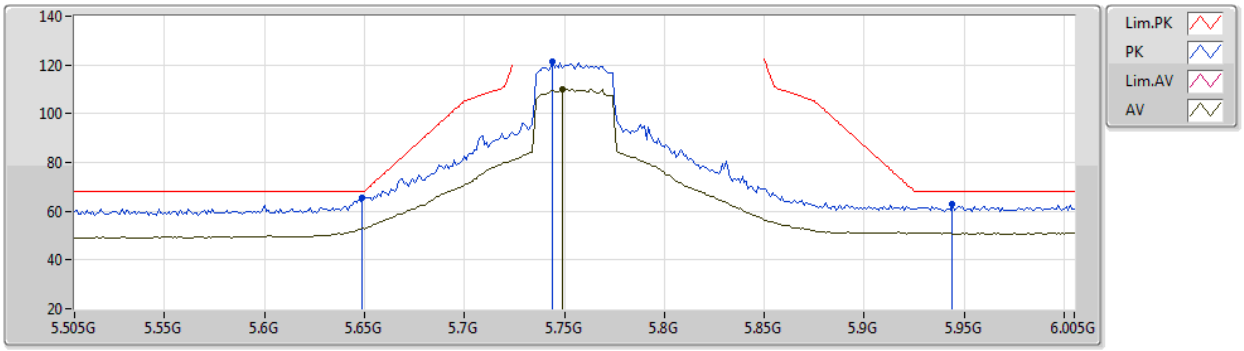
EUT Z_4TX
Setting 27
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.67662G	52.61	74.00	-21.39	38.92	3	Horizontal	190	2.18	-	37.45	9.09	32.85
AV	15.68718G	39.44	54.00	-14.56	25.77	3	Horizontal	190	2.18	-	37.43	9.09	32.85

802.11ax HEW40_Nss4,(MCS0)_4TX

5755MHz_TX

04/05/2021



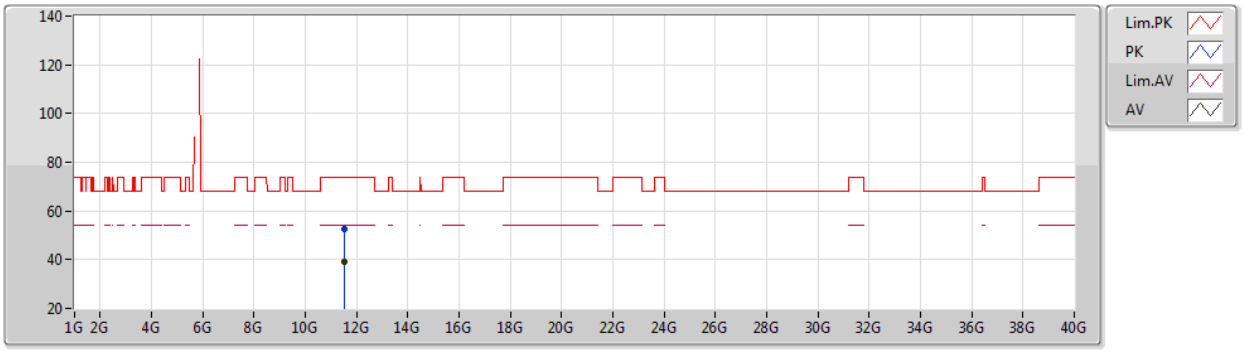
EUT Y_4TX
Setting 29
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	65.49	68.20	-2.71	58.39	3	Vertical	15	1.72	-	33.90	5.92	32.72
PK	5.744G	121.48	Inf	-Inf	114.08	3	Vertical	15	1.72	-	34.18	5.97	32.75
AV	5.749G	110.08	Inf	-Inf	102.66	3	Vertical	15	1.72	-	34.20	5.97	32.75
PK	5.944G	63.17	68.20	-5.03	54.86	3	Vertical	15	1.72	-	34.98	6.14	32.81

802.11ax HEW40_Nss4,(MCS0)_4TX

5755MHz_TX

21/05/2021



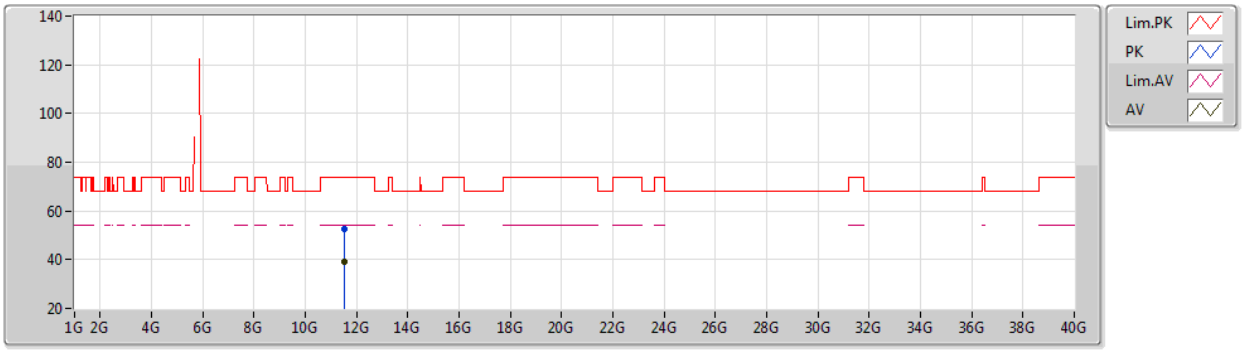
EUT Z_4TX
Setting 29
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50934G	52.34	74.00	-21.66	38.61	3	Vertical	186	2.29	-	39.03	7.63	32.93
AV	11.50964G	39.33	54.00	-14.67	25.60	3	Vertical	186	2.29	-	39.03	7.63	32.93

802.11ax HEW40_Nss4,(MCS0)_4TX

21/05/2021

5755MHz_TX



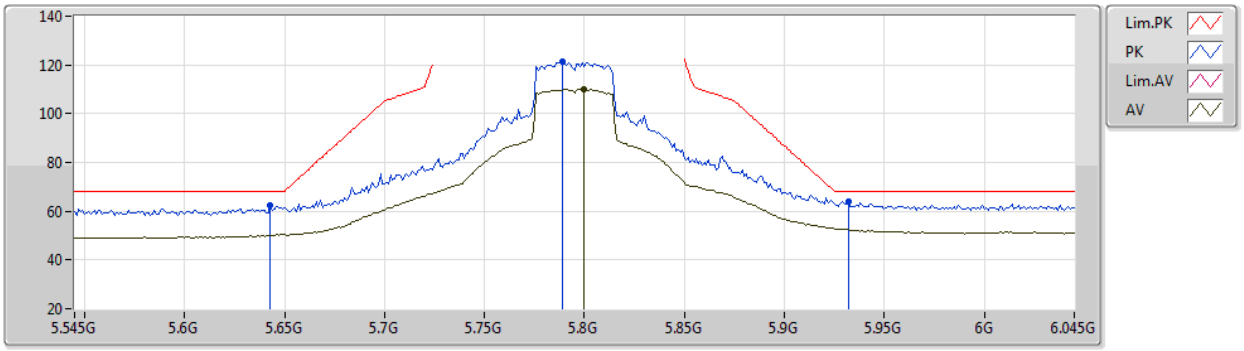
EUT Z_4TX
Setting 29
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50652G	52.46	74.00	-21.54	38.74	3	Horizontal	158	1.48	-	39.02	7.63	32.93
AV	11.52086G	39.36	54.00	-14.64	25.60	3	Horizontal	158	1.48	-	39.06	7.63	32.93

802.11ax HEW40_Nss4,(MCS0)_4TX

5795MHz_TX

04/05/2021



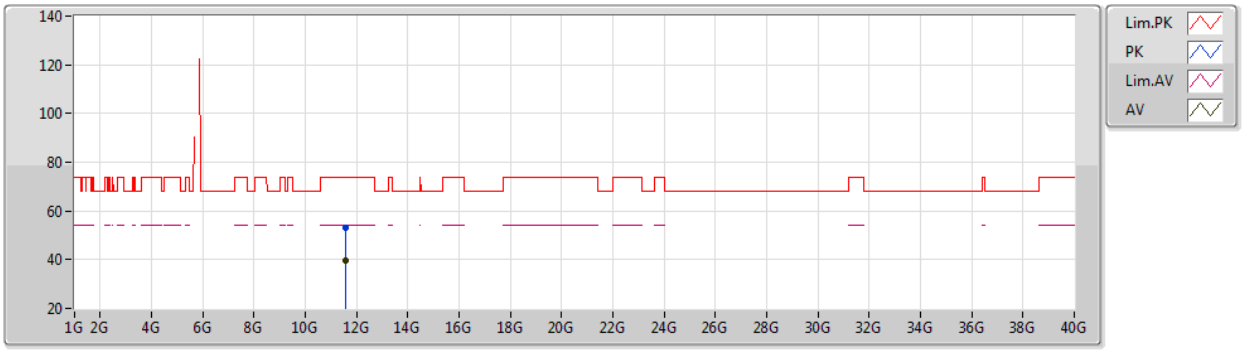
EUT Y_4TX
Setting 30
04-L-K-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.643G	62.39	68.20	-5.81	55.29	3	Vertical	360	2.27	-	33.90	5.92	32.72
PK	5.789G	121.22	Inf	-Inf	113.79	3	Vertical	360	2.27	-	34.20	5.99	32.76
AV	5.8G	109.98	Inf	-Inf	102.55	3	Vertical	360	2.27	-	34.20	6.00	32.77
PK	5.932G	64.10	68.20	-4.10	55.85	3	Vertical	360	2.27	-	34.93	6.13	32.81

802.11ax HEW40_Nss4,(MCS0)_4TX

5795MHz_TX

21/05/2021



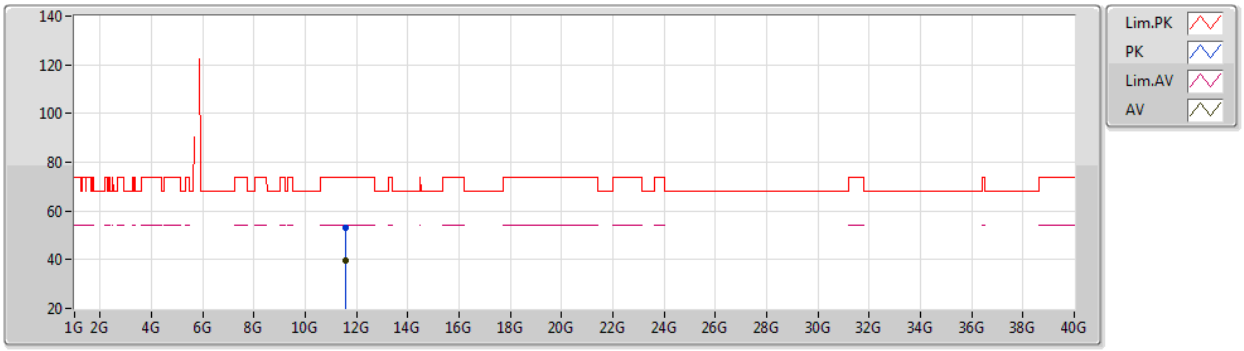
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.59372G	53.25	74.00	-20.75	39.24	3	Vertical	291	1.81	-	39.28	7.66	32.93
AV	11.5774G	39.56	54.00	-14.44	25.61	3	Vertical	291	1.81	-	39.23	7.65	32.93

802.11ax HEW40_Nss4,(MCS0)_4TX

5795MHz_TX

21/05/2021



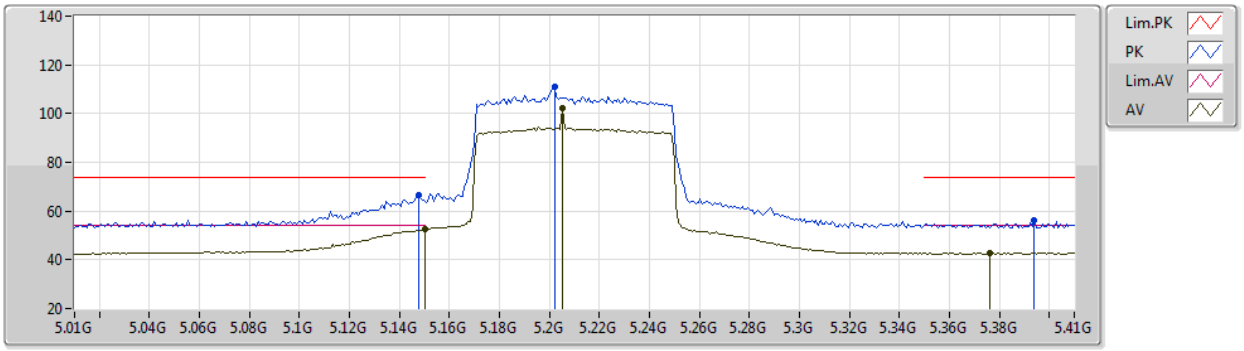
EUT Z_4TX
Setting 30
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.59162G	53.00	74.00	-21.00	39.00	3	Horizontal	265	1.21	-	39.27	7.66	32.93
AV	11.58718G	39.68	54.00	-14.32	25.69	3	Horizontal	265	1.21	-	39.26	7.66	32.93

802.11ax HEW80_Nss4,(MCS0)_4TX

5210MHz_TX

06/05/2021



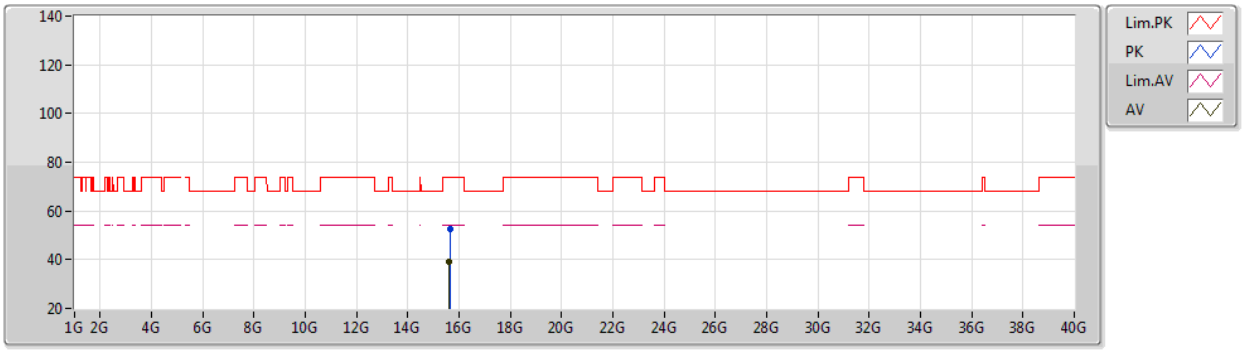
EUT Y_4TX
Setting 21
02-B-R-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1476G	66.78	74.00	-7.22	61.70	3	Vertical	45	1.71	-	31.81	5.00	31.73
AV	5.15G	52.51	54.00	-1.49	47.44	3	Vertical	45	1.71	-	31.80	5.00	31.73
PK	5.202G	110.84	Inf	-Inf	105.84	3	Vertical	45	1.71	-	31.59	5.10	31.69
AV	5.2052G	102.21	Inf	-Inf	97.22	3	Vertical	45	1.71	-	31.58	5.10	31.69
PK	5.394G	56.17	74.00	-17.83	51.07	3	Vertical	45	1.71	-	31.65	5.00	31.55
AV	5.3764G	42.69	54.00	-11.31	37.73	3	Vertical	45	1.71	-	31.51	5.01	31.56

802.11ax HEW80_Nss4,(MCS0)_4TX

5210MHz_TX

21/05/2021



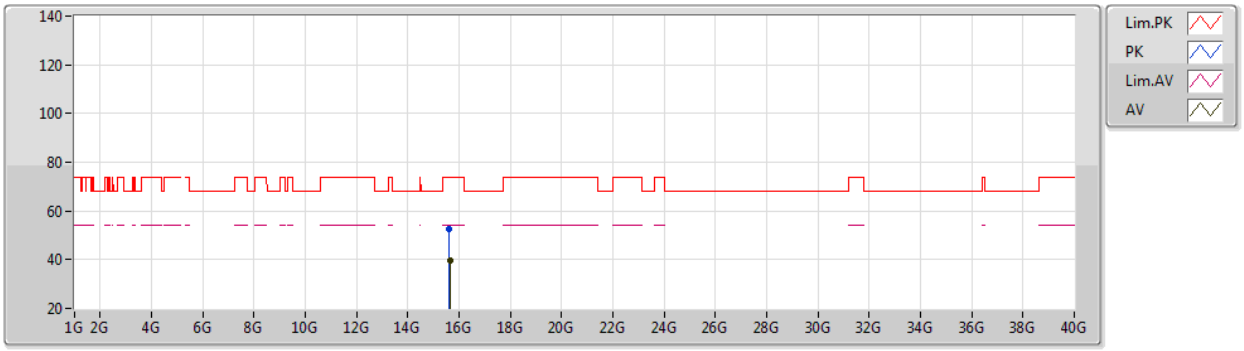
EUT Z_4TX
Setting 21
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.63798G	52.40	74.00	-21.60	38.66	3	Vertical	37	2.77	-	37.52	9.07	32.85
AV	15.62046G	39.37	54.00	-14.63	25.59	3	Vertical	37	2.77	-	37.56	9.07	32.85

802.11ax HEW80_Nss4,(MCS0)_4TX

5210MHz_TX

21/05/2021



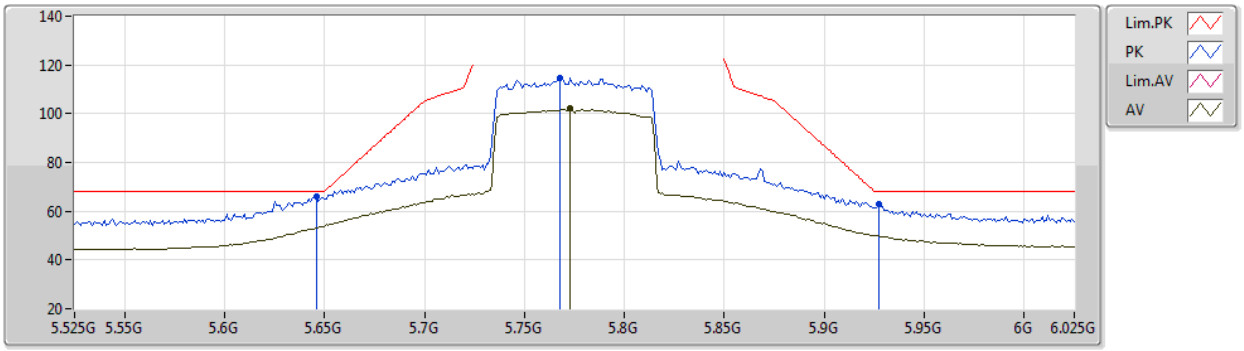
EUT Z_4TX
Setting 21
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.62442G	52.67	74.00	-21.33	38.90	3	Horizontal	126	1.08	-	37.55	9.07	32.85
AV	15.64326G	39.64	54.00	-14.36	25.90	3	Horizontal	126	1.08	-	37.51	9.08	32.85

802.11ax HEW80_Nss4,(MCS0)_4TX

5775MHz_TX

04/05/2021



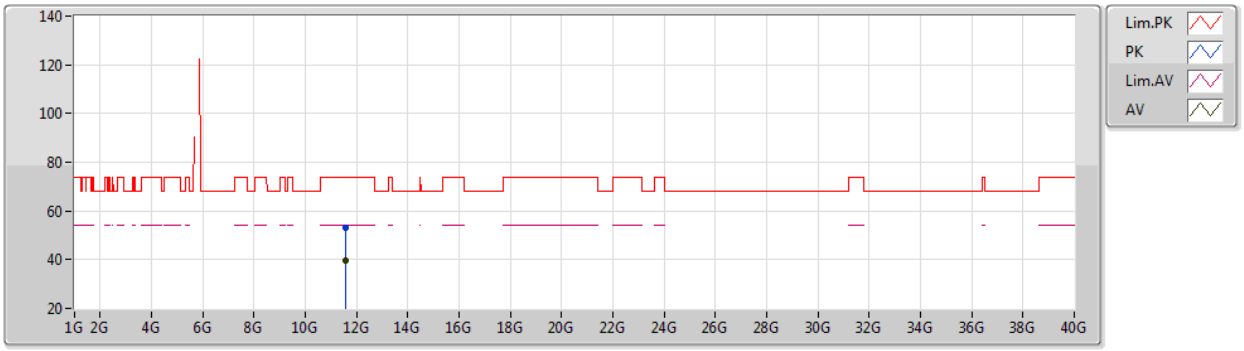
EUT Y_4TX
Setting 26
06-D-C-4-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.646G	66.13	68.20	-2.07	61.21	3	Vertical	360	2.14	-	31.50	5.22	31.80
PK	5.768G	114.49	Inf	-Inf	109.01	3	Vertical	360	2.14	-	31.94	5.28	31.74
AV	5.773G	102.29	Inf	-Inf	96.79	3	Vertical	360	2.14	-	31.95	5.29	31.74
PK	5.927G	62.80	68.20	-5.40	56.74	3	Vertical	360	2.14	-	32.30	5.43	31.67

802.11ax HEW80_Nss4,(MCS0)_4TX

5775MHz_TX

21/05/2021



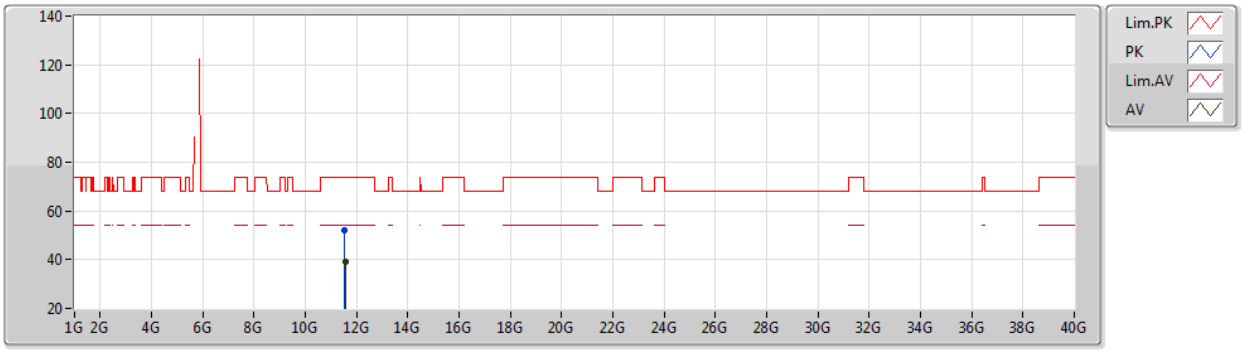
EUT Z_4TX
Setting 26
02-B-C-4

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55462G	53.00	74.00	-21.00	39.13	3	Vertical	41	2.70	-	39.16	7.64	32.93
AV	11.5617G	39.40	54.00	-14.60	25.49	3	Vertical	41	2.70	-	39.19	7.65	32.93

802.11ax HEW80_Nss4,(MCS0)_4TX

5775MHz_TX

21/05/2021



EUT Z_4TX
Setting 26
02-B-C-4

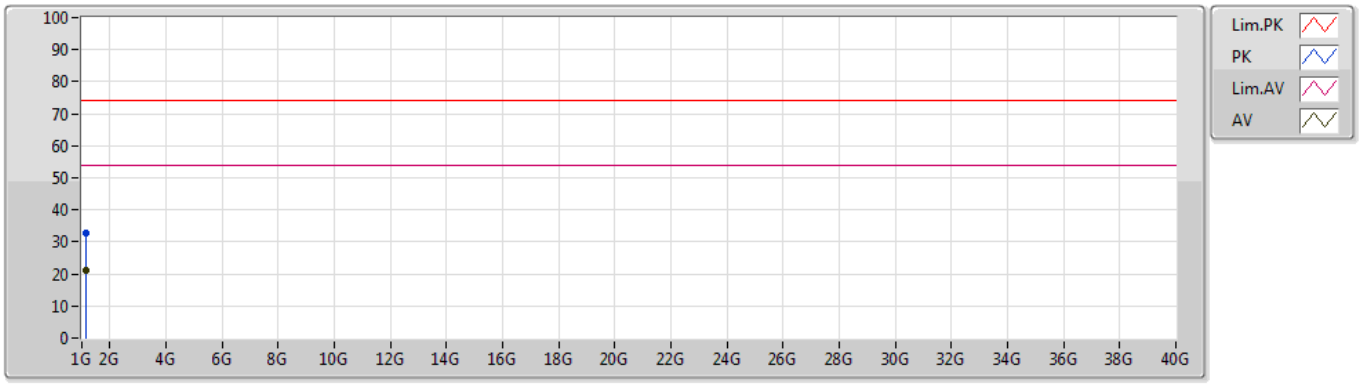
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.54718G	52.27	74.00	-21.73	38.42	3	Horizontal	330	1.28	-	39.14	7.64	32.93
AV	11.55084G	39.39	54.00	-14.61	25.53	3	Horizontal	330	1.28	-	39.15	7.64	32.93

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

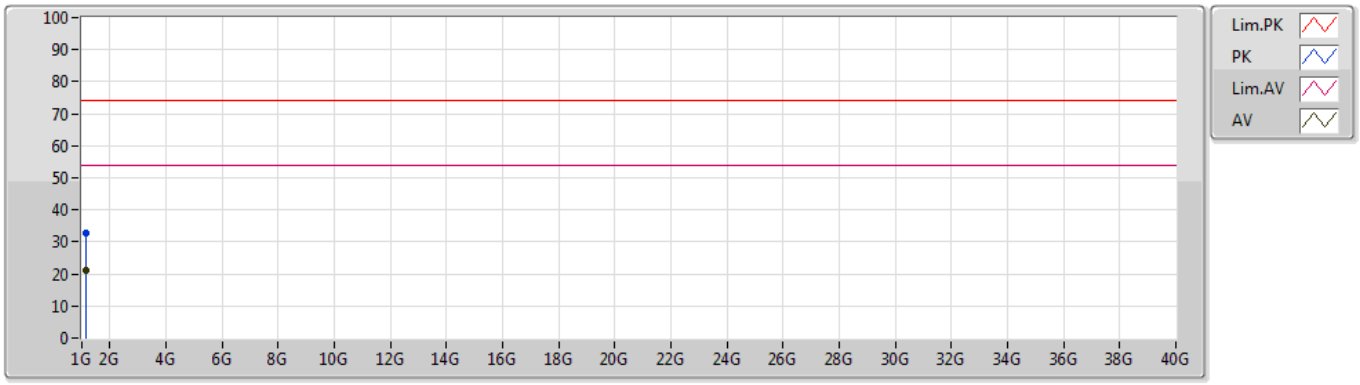
24/05/2021



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