Testing Laboratory 1190

FCC RADIO TEST REPORT

FCC ID	:	UIDW11
Equipment	:	Wi-Fi Extender
Brand Name	:	ARRIS
Model Name	:	W11
Applicant	:	ARRIS 3871 Lakefield Drive Suite 300,Suwanee, Georgia, 30024 United States
Manufacturer	:	ARRIS 3871 Lakefield Drive Suite 300,Suwanee, Georgia, 30024 United States
Standard	:	47 CFR FCC Part 15.407

The product was received on Jun. 11, 2020, and testing was started from Jun. 11, 2020 and completed on Jul. 29, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR071418AB	01	Initial issue of report	Sep. 10, 2020

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:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
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]

For Radio 1

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2
5.15-5.25GHz	802.11n HT20	20	2
5.15-5.25GHz	802.11ac VHT20	20	2
5.15-5.25GHz	802.11ax HEW20	20	2
5.15-5.25GHz	802.11n HT40	40	2
5.15-5.25GHz	802.11ac VHT40	40	2
5.15-5.25GHz	802.11ax HEW40	40	2
5.15-5.25GHz	802.11ac VHT80	80	2
5.15-5.25GHz	802.11ax HEW80	80	2

For Radio 2

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

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, modulation.
- HEW20, HEW40, 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	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	WANSHIH	UC6WFI0168A	PCB Antenna	I-PEX	Note 1
2	2	WANSHIH	UC6WFI0169A	PCB Antenna	I-PEX	
3	1	WANSHIH	UC6WFI0163A	PCB Antenna	I-PEX	
4	2	WANSHIH	UC6WFI0164A	PCB Antenna	I-PEX	
5	3	WANSHIH	UC6WFI0165A	PCB Antenna	I-PEX	
6	4	WANSHIH	UC6WFI0166A	PCB Antenna	I-PEX	
7	1	WANSHIH	UC6WFI0167A	PCB Antenna	I-PEX	
8	2	WANSHIH	UC6WFI0169A	PCB Antenna	I-PEX	

Note 1:

Ant.	Uncorrelated Antenna (dBi)		
	2.4GHz	5GHz Band 1	5GHz Band 4
1	4.06	-	-
2	4.04	-	-
3	-	-	3.76
4	-	-	4.45
5	-	-	5.26
6	-	-	5.20
7	-	4.94	-
8	-	4.65	-
Correlated Antenna (dBi)	4.58	6	7.88

Note 2: The above information was declared by manufacturer.

For 2.4GHz function:

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

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

Ant.1 and Ant. 2 could transmit/receive simultaneously.

For 5GHz Band 1 function:

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

Ant. 7 and Ant. 8 can be used as transmitting/receiving antenna.

Ant. 7 and Ant. 8 could transmit/receive simultaneously.

For 5GHz Band 4 function:

For IEEE 802.11a/n/ac/ax mode (4TX/4RX)

Ant. 3, Ant. 4, Ant. 5 and Ant. 6 can be used as transmitting/receiving antenna.

Ant. 3, Ant. 4, Ant. 5 and Ant. 6 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.947	0.24	2.065m	1k
802.11ax HEW20	0.979	0.09	1.489m	1k
802.11ax HEW40	0.964	0.16	781.25u	3k
802.11ax HEW80	0.929	0.32	415u	3k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	Mtool_3.2.0.0			

Note: The above information was declared by manufacturer.

1.1.5 Table for Radio function

Radio	2.4GHz	5GHz Band 1	5GHz Band 4
1	V	V	-
2	-	-	V

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01

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

- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Benson Su	28.8-31.2°C / 35-37%	Jun. 22, 2020 ~ Jul. 20, 2020
Radiated Below 1GHz	03CH03-CB	Mason Chen	26-26.3°C / 57-61%	Jul. 24, 2020
Radiated Above 1GHz	03CH03-CB	Mason Chen	25.5-26.4°C / 55-58%	Jun. 11, 2020
AC Conduction	CO01-CB	GN Hou	22-24°C / 62-65%	Jul. 29, 2020

Test site Designation No. TW0006 with FCC
Test site registered number IC 4086D with Industry Canada.

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.39%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	81
5200MHz	100
5240MHz	100
802.11a_Nss1,(6Mbps)_4TX	-
5745MHz	92
5785MHz	92
5825MHz	92
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	82
5200MHz	100
5240MHz	100
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5745MHz	92
5785MHz	92
5825MHz	92
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	69
5230MHz	92
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5755MHz	92
5795MHz	92
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	70
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5775MHz	92

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	EUT_2.4GHz
2	EUT_5GHz Band 1
3	EUT_5GHz Band 4
For operating mode 1 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 X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands below 1GHz test for 2.4GHz, and the worst case was found at X axis. So the measurement will follow this same test configuration. The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions below 1GHz test for 5GHz, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in X axis_2.4GHz
2	EUT in Y axis_5GHz Band 1
3	EUT in Y axis_5GHz Band 4
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in Y axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1 + WLAN 5GHz Band 4
Refer to Sporton Test Report No.: FA071418 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

N/A

2.5 Support Equipment

For AC Conduction:

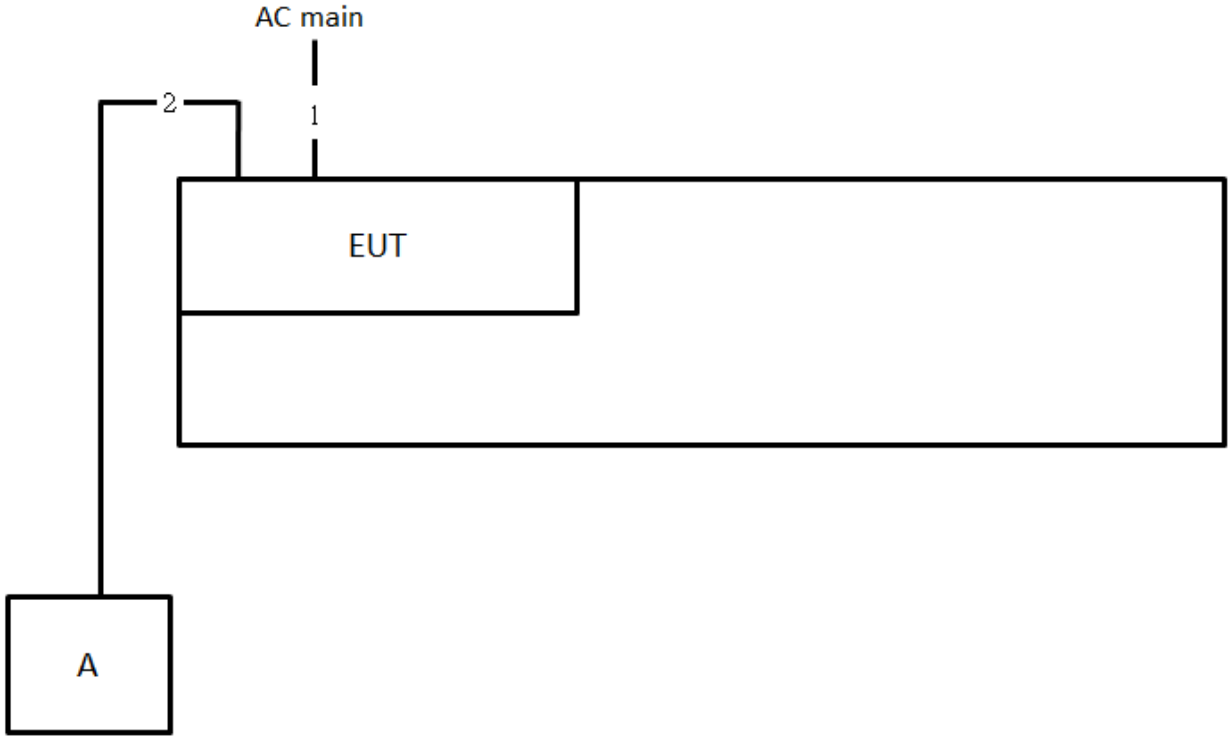
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A

For Radiated and RF Conducted:

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

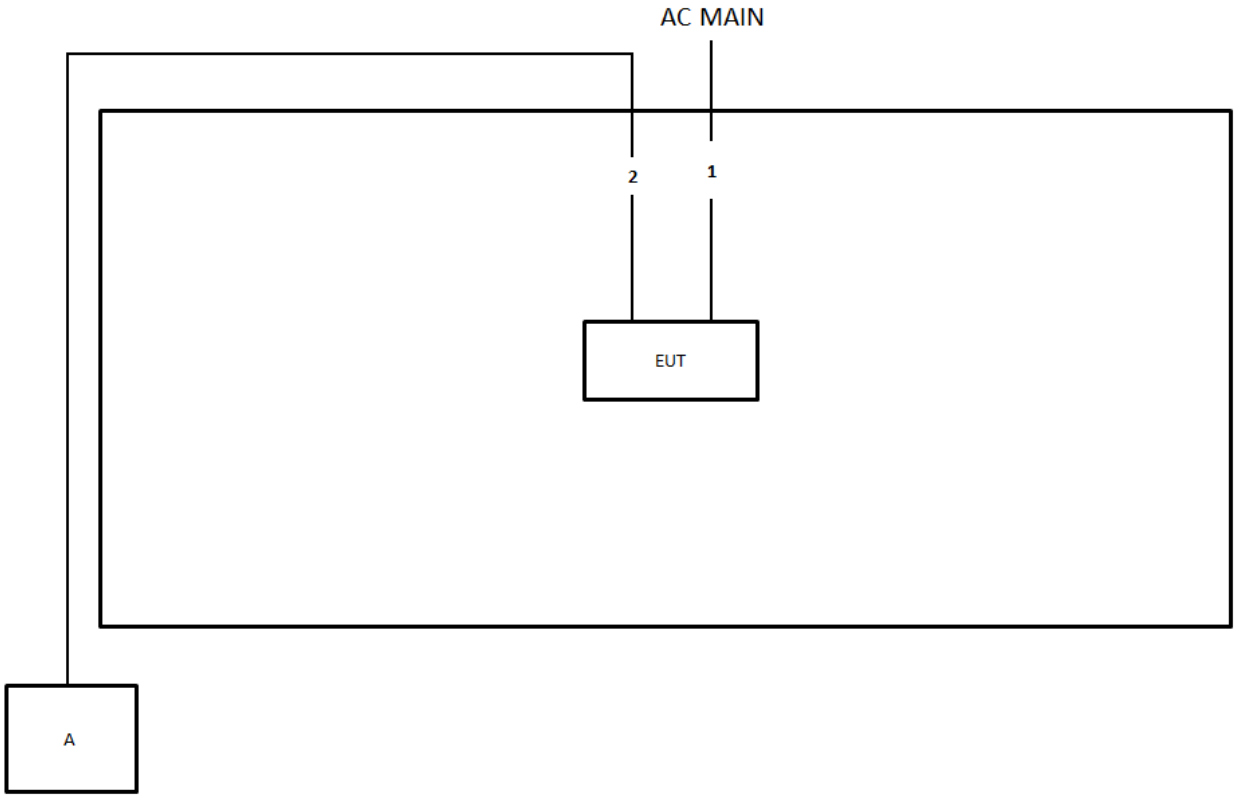
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	10m

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

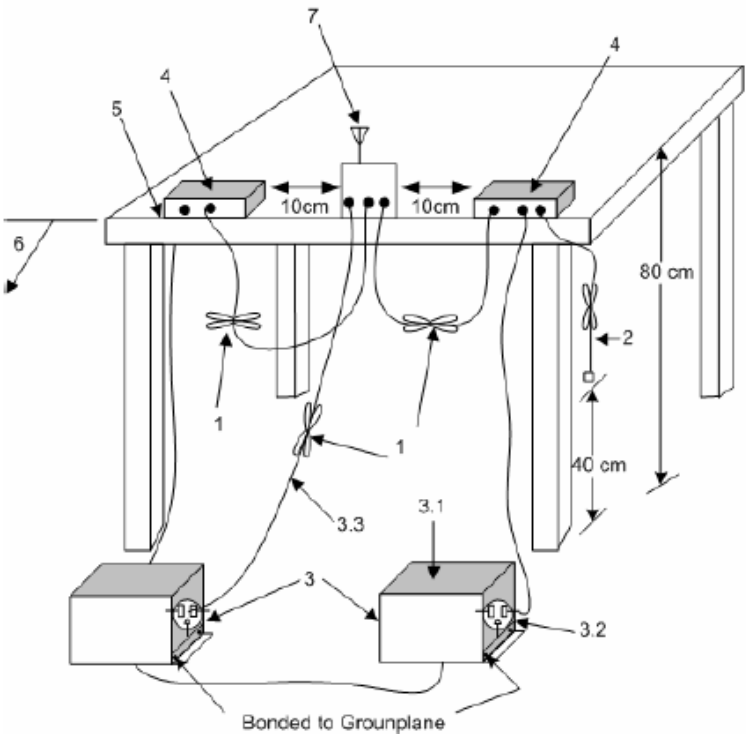
Refer a test equipment and calibration data table in this test report.

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

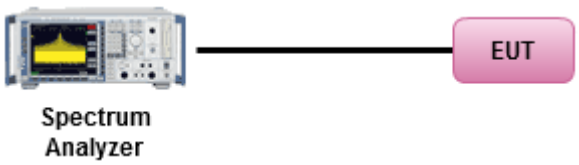
Refer a test equipment and calibration data table in this test report.

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.	

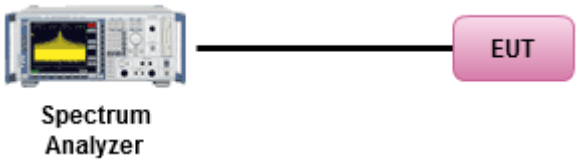
3.4.2 Measuring Instruments

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).

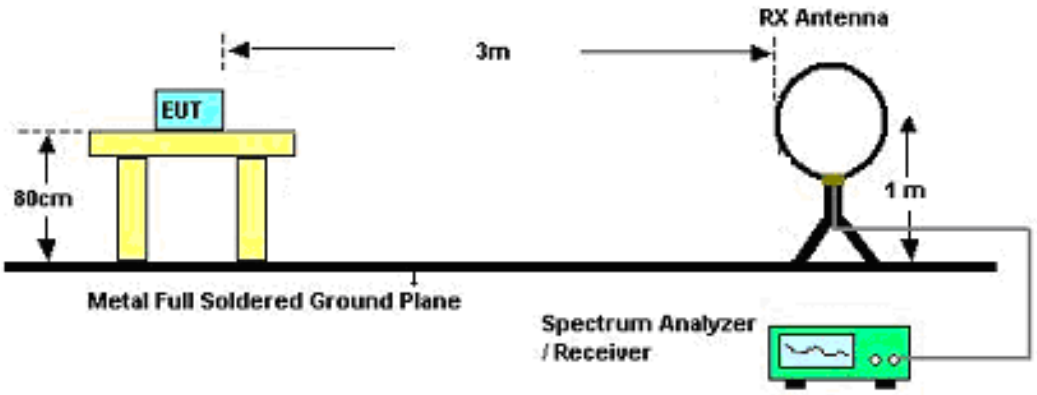
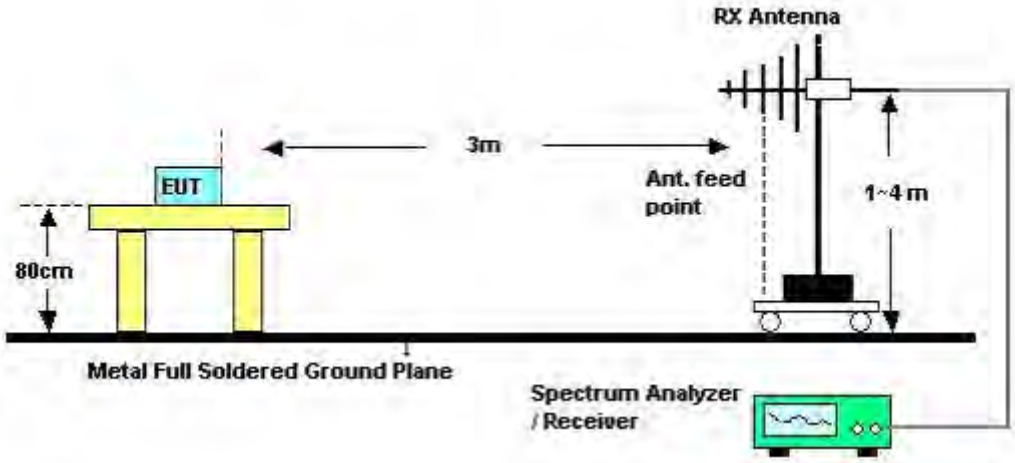
3.5.2 Measuring Instruments

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

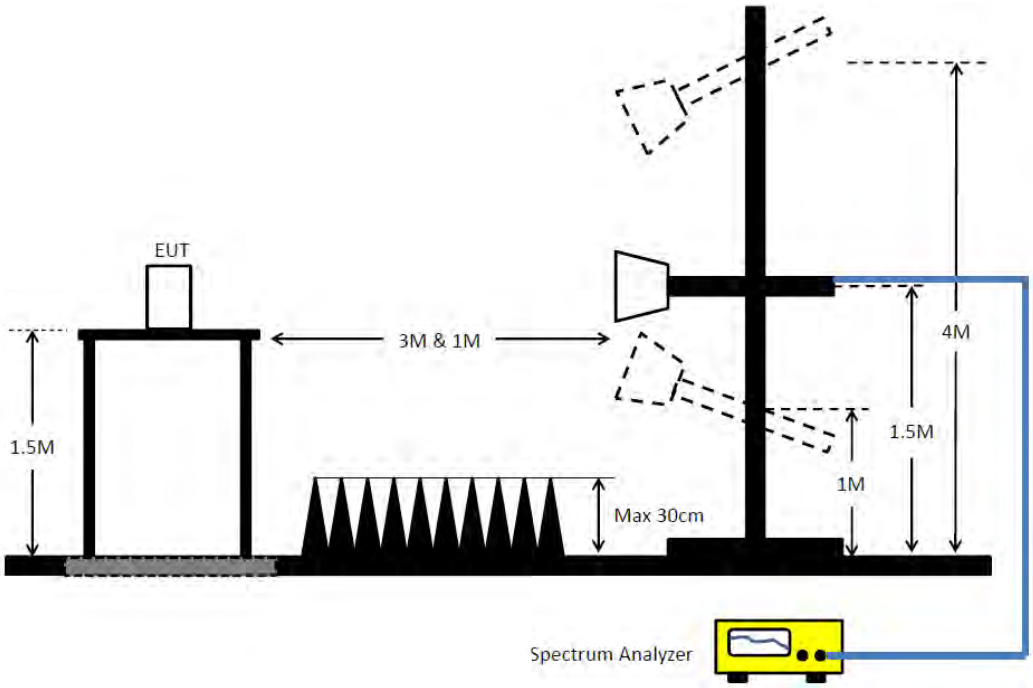
3.5.3 Test Procedures

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	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH03-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 15, 2020	Jan. 14, 2021	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Dec. 19, 2019	Dec.18, 2020	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 09, 2020	Jun. 08, 2021	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+27 (spare)	25MHz ~ 1GHz	Jul. 03, 2020	Jul. 02, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Feb. 01, 2020	Jan. 31, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Feb. 01, 2020	Jan. 31, 2021	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

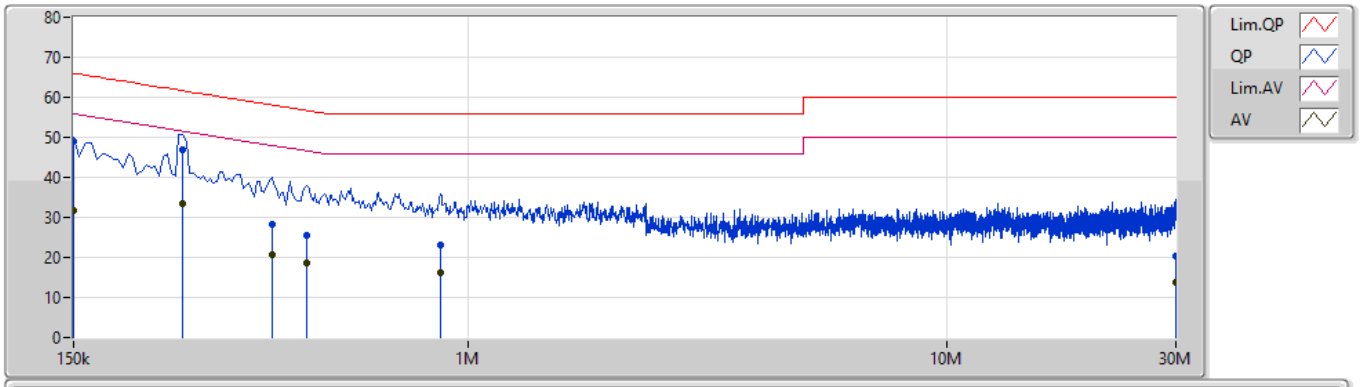
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	253.5k	46.77	61.64	-14.87	Line

Mode 1

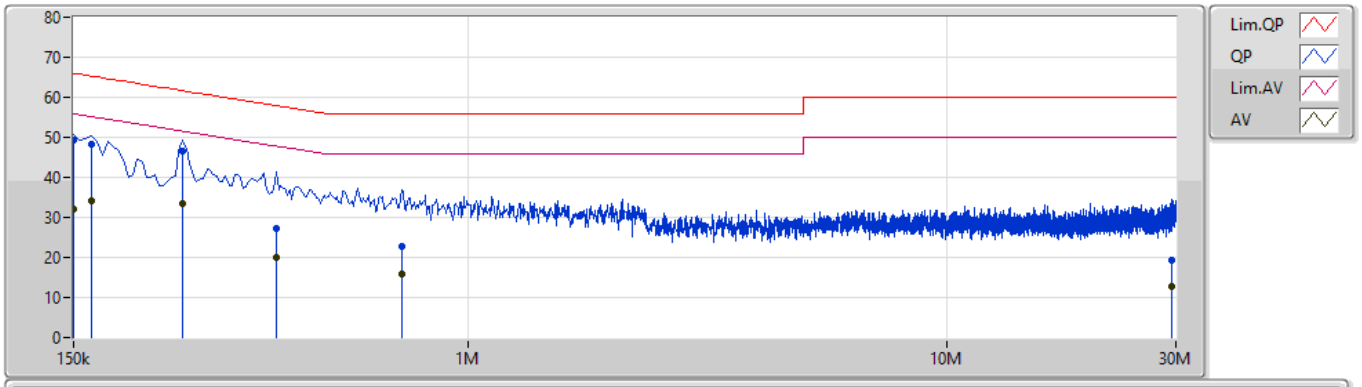
29/07/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	48.97	66.00	-17.03	9.87	Line	-	39.10	0.05	0.03	9.79
AV	150k	31.61	56.00	-24.39	9.87	Line	-	21.74	0.05	0.03	9.79
QP	253.5k	46.77	61.64	-14.87	9.87	Line	"Worst"	36.90	0.04	0.03	9.80
AV	253.5k	33.29	51.64	-18.35	9.87	Line	-	23.42	0.04	0.03	9.80
QP	388.5k	28.18	58.10	-29.92	9.88	Line	-	18.30	0.04	0.03	9.81
AV	388.5k	20.60	48.10	-27.50	9.88	Line	-	10.72	0.04	0.03	9.81
QP	460.5k	25.59	56.69	-31.10	9.88	Line	-	15.71	0.04	0.03	9.81
AV	460.5k	18.77	46.69	-27.92	9.88	Line	-	8.89	0.04	0.03	9.81
QP	874.5k	23.26	56.00	-32.74	9.91	Line	-	13.35	0.05	0.04	9.82
AV	874.5k	16.28	46.00	-29.72	9.91	Line	-	6.37	0.05	0.04	9.82
QP	29.963M	20.41	60.00	-39.59	10.65	Line	-	9.76	0.30	0.30	10.05
AV	29.963M	13.68	50.00	-36.32	10.65	Line	-	3.03	0.30	0.30	10.05

Mode 1

29/07/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	49.14	66.00	-16.86	9.86	Neutral	-	39.28	0.04	0.03	9.79
AV	150k	31.99	56.00	-24.01	9.86	Neutral	-	22.13	0.04	0.03	9.79
QP	163.5k	48.32	65.27	-16.95	9.86	Neutral	-	38.46	0.04	0.03	9.79
AV	163.5k	34.17	55.27	-21.10	9.86	Neutral	-	24.31	0.04	0.03	9.79
QP	253.5k	46.72	61.64	-14.92	9.87	Neutral	"Worst"	36.85	0.04	0.03	9.80
AV	253.5k	33.29	51.64	-18.35	9.87	Neutral	-	23.42	0.04	0.03	9.80
QP	397.5k	27.29	57.91	-30.62	9.88	Neutral	-	17.41	0.04	0.03	9.81
AV	397.5k	20.07	47.91	-27.84	9.88	Neutral	-	10.19	0.04	0.03	9.81
QP	726k	22.78	56.00	-33.22	9.91	Neutral	-	12.87	0.05	0.04	9.82
AV	726k	15.98	46.00	-30.02	9.91	Neutral	-	6.07	0.05	0.04	9.82
QP	29.369M	19.48	60.00	-40.52	10.67	Neutral	-	8.81	0.32	0.30	10.05
AV	29.369M	12.73	50.00	-37.27	10.67	Neutral	-	2.06	0.32	0.30	10.05

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)_2TX	33.51M	17.151M	17M2D1D	21.18M	16.672M
802.11ax HEW20_Nss1,(MCS0)_2TX	36.66M	19.25M	19M2D1D	21.27M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.2M	37.661M	37M7D1D	39.9M	37.481M
802.11ax HEW80_Nss1,(MCS0)_2TX	81.48M	77.001M	77M0D1D	81M	76.882M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.5M	17.391M	17M4D1D	7.29M	16.462M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.93M	19.22M	19M2D1D	16.47M	18.711M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.56M	37.901M	37M9D1D	35.58M	37.361M
802.11ax HEW80_Nss1,(MCS0)_4TX	76.44M	77.241M	77M2D1D	75.48M	76.642M

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)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.18M	16.792M	21.57M	16.672M				
5200MHz	Pass	Inf	25.71M	17.001M	33.51M	17.151M				
5240MHz	Pass	Inf	22.74M	16.912M	29.52M	17.031M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	500k	16.32M	17.331M	13.83M	16.462M	16.29M	16.762M	10.38M	16.582M
5785MHz	Pass	500k	16.5M	17.391M	15.12M	16.732M	16.32M	16.732M	7.29M	16.882M
5825MHz	Pass	500k	16.38M	17.271M	15.06M	17.031M	16.32M	16.822M	15.69M	17.211M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.27M	19.04M	21.42M	19.04M				
5200MHz	Pass	Inf	28.14M	19.16M	36.66M	19.25M				
5240MHz	Pass	Inf	27.51M	19.13M	29.07M	19.19M				
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	500k	17.49M	18.741M	17.43M	18.771M	18.9M	19.16M	17.91M	18.951M
5785MHz	Pass	500k	18M	18.891M	17.34M	18.711M	18.93M	19.19M	18.18M	18.921M
5825MHz	Pass	500k	18.18M	19.04M	16.47M	18.711M	18.93M	19.22M	18.24M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.14M	37.601M	39.9M	37.481M				
5230MHz	Pass	Inf	40.2M	37.661M	40.08M	37.661M				
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	500k	36.3M	37.361M	36.72M	37.781M	37.38M	37.661M	35.58M	37.541M
5795MHz	Pass	500k	36.54M	37.601M	36.36M	37.901M	37.56M	37.661M	35.7M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.48M	77.001M	81M	76.882M				
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	500k	75.48M	76.642M	76.08M	77.241M	76.44M	77.241M	75.6M	77.121M

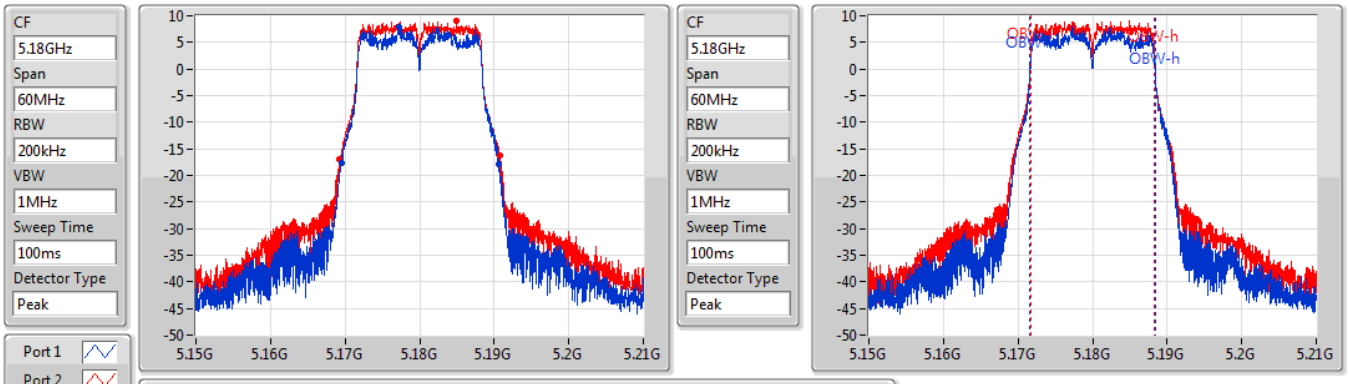
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

22/06/2020



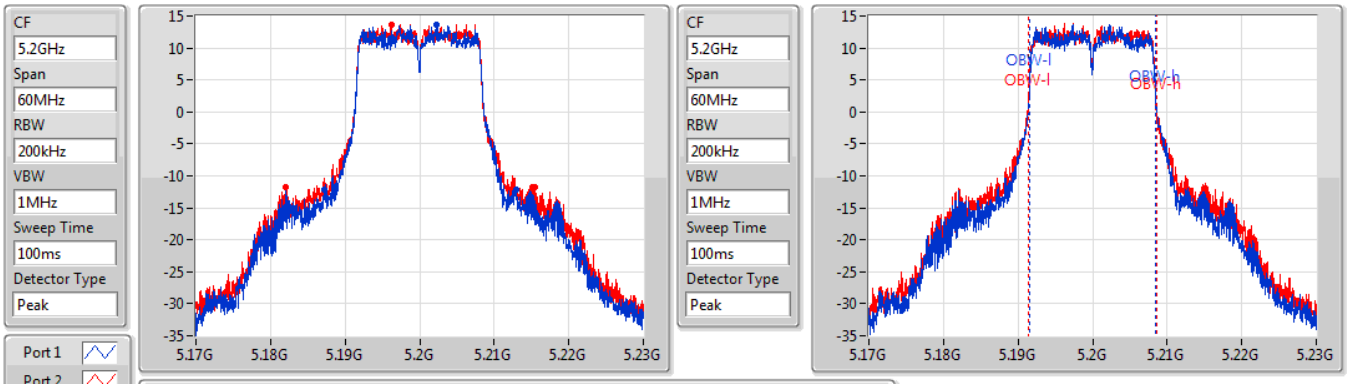
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.18M	5.1695G	5.19068G	16.792M	5.171634G	5.188426G	Inf	1
21.57M	5.16926G	5.19083G	16.672M	5.171664G	5.188336G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

20/07/2020



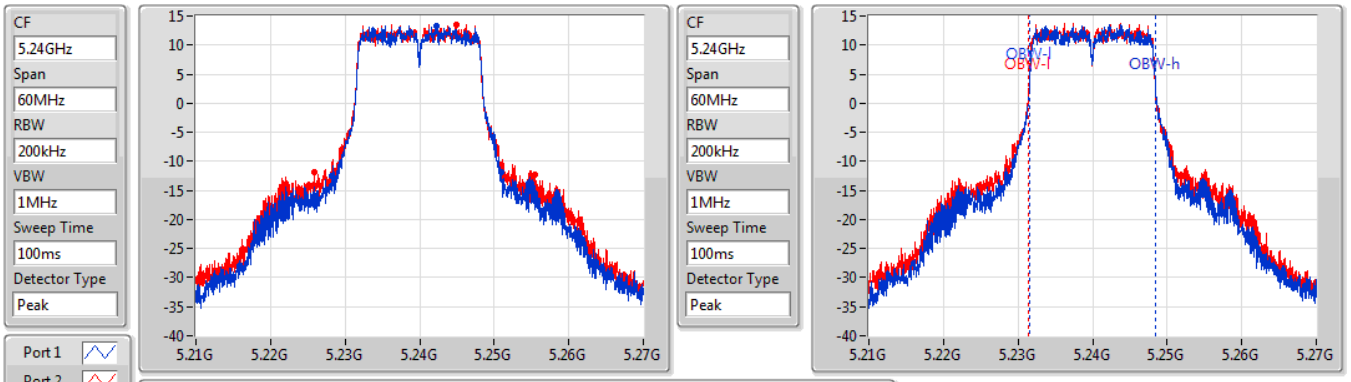
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.71M	5.18716G	5.21287G	17.001M	5.191514G	5.208516G	Inf	1
33.51M	5.182G	5.21551G	17.151M	5.191394G	5.208546G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

20/07/2020



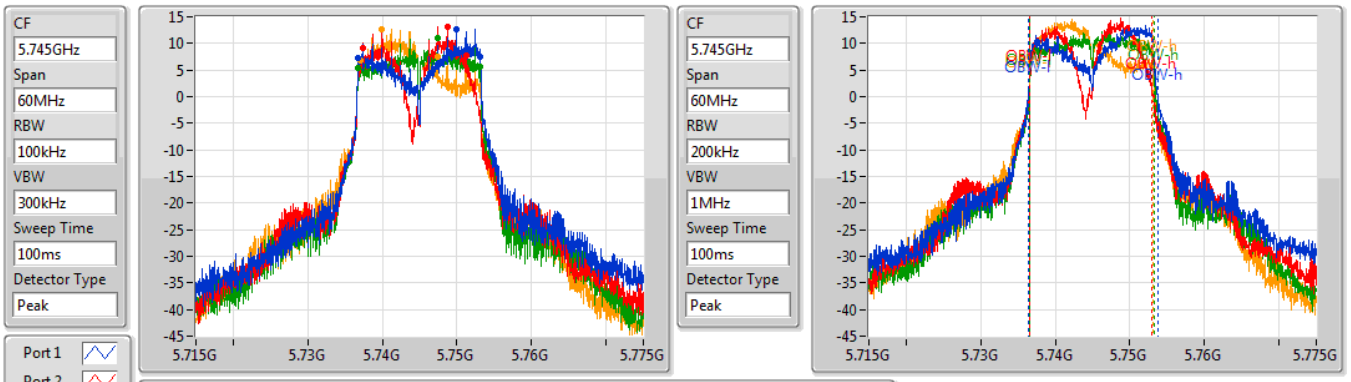
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.74M	5.22824G	5.25098G	16.912M	5.231544G	5.248456G	Inf	1
29.52M	5.2259G	5.25542G	17.031M	5.231454G	5.248486G	Inf	2

802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

22/06/2020



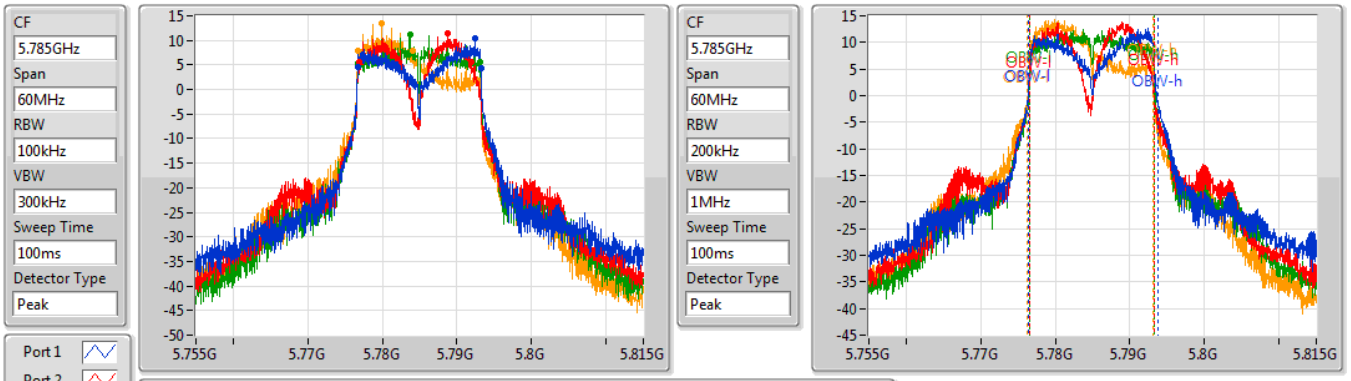
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73681G	5.75313G	17.331M	5.736454G	5.753786G	500k	1
13.83M	5.73741G	5.75124G	16.462M	5.736544G	5.753006G	500k	2
16.29M	5.73681G	5.7531G	16.762M	5.736574G	5.753336G	500k	3
10.38M	5.73705G	5.74743G	16.582M	5.736514G	5.753096G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

22/06/2020



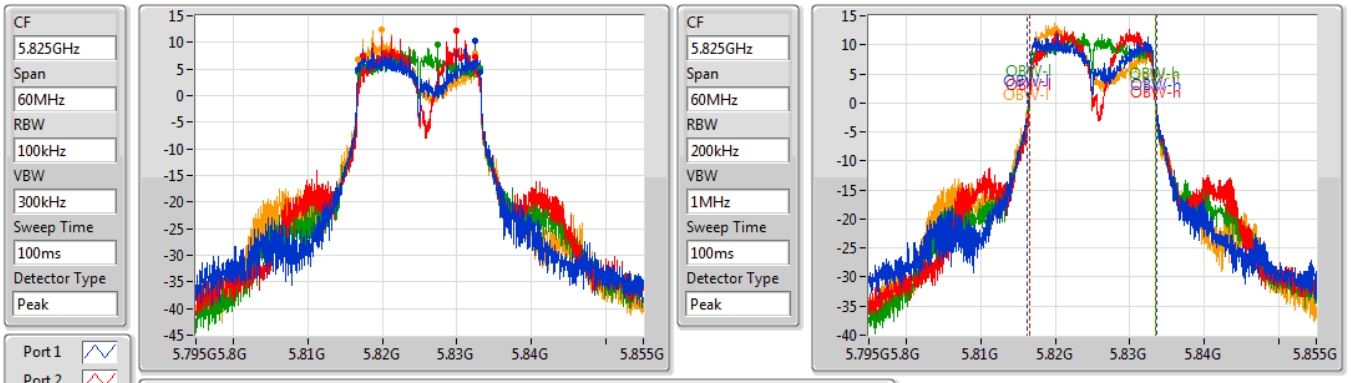
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.5M	5.77672G	5.79322G	17.391M	5.776364G	5.793756G	500k	1
15.12M	5.77684G	5.79196G	16.732M	5.776484G	5.793216G	500k	2
16.32M	5.77678G	5.7931G	16.732M	5.776574G	5.793306G	500k	3
7.29M	5.77678G	5.78407G	16.882M	5.776214G	5.793096G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

22/06/2020



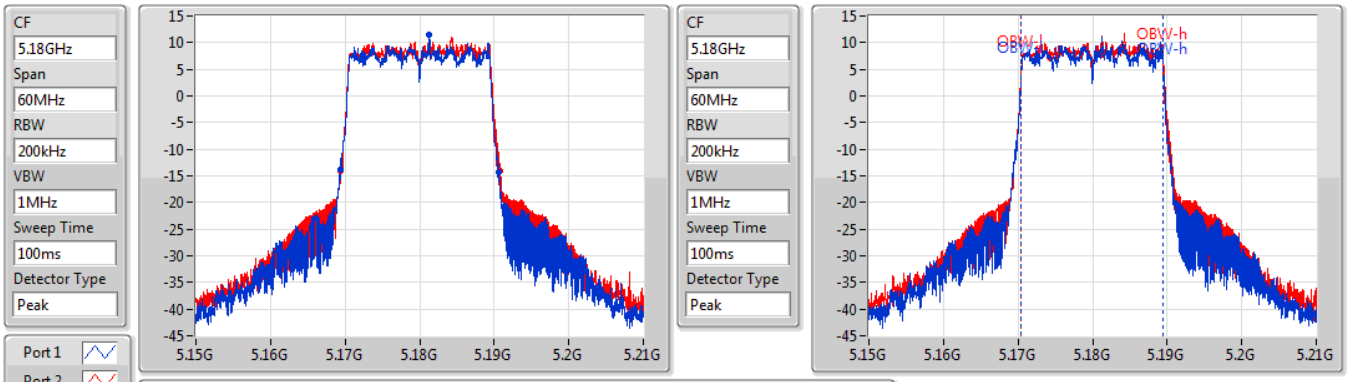
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.38M	5.81675G	5.83313G	17.271M	5.816304G	5.833576G	500k	1
15.06M	5.81744G	5.8325G	17.031M	5.816514G	5.833546G	500k	2
16.32M	5.81678G	5.8331G	16.822M	5.816544G	5.833366G	500k	3
15.69M	5.81678G	5.83247G	17.211M	5.816154G	5.833366G	500k	4

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

22/06/2020



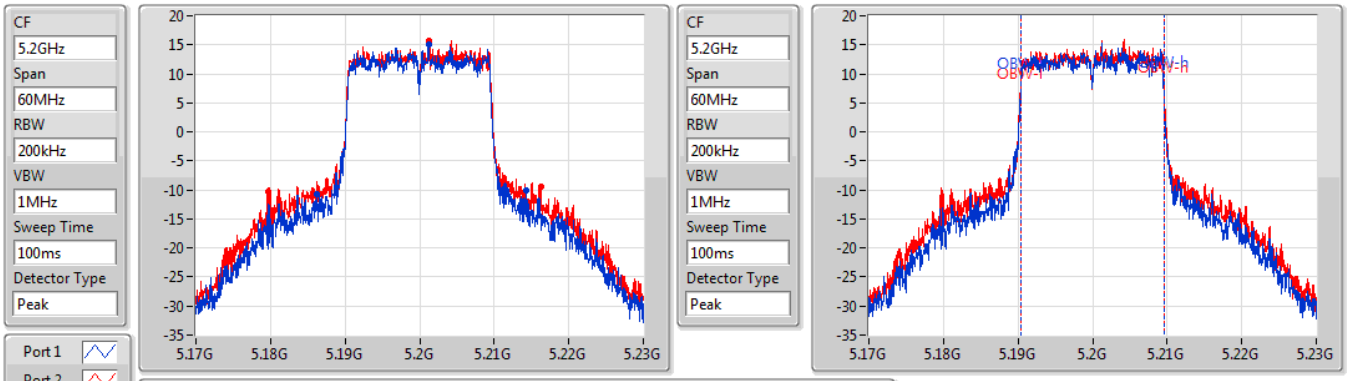
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.16935G	5.19062G	19.04M	5.170465G	5.189505G	Inf	1
21.42M	5.16938G	5.1908G	19.04M	5.170465G	5.189505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

20/07/2020



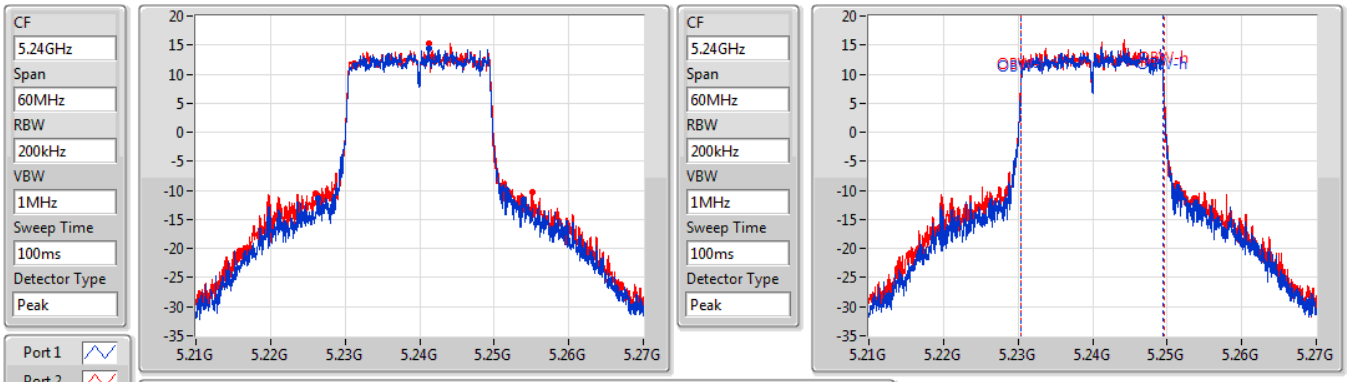
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.14M	5.18617G	5.21431G	19.16M	5.190375G	5.209535G	Inf	1
36.66M	5.17963G	5.21629G	19.25M	5.190315G	5.209565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

20/07/2020



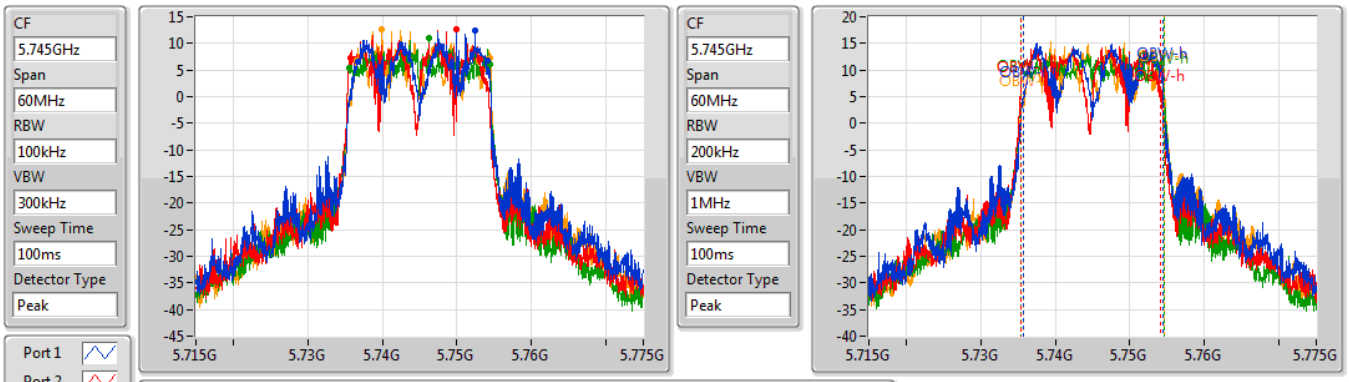
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.51M	5.22641G	5.25392G	19.13M	5.230375G	5.249505G	Inf	1
29.07M	5.22602G	5.25509G	19.19M	5.230345G	5.249535G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

22/06/2020



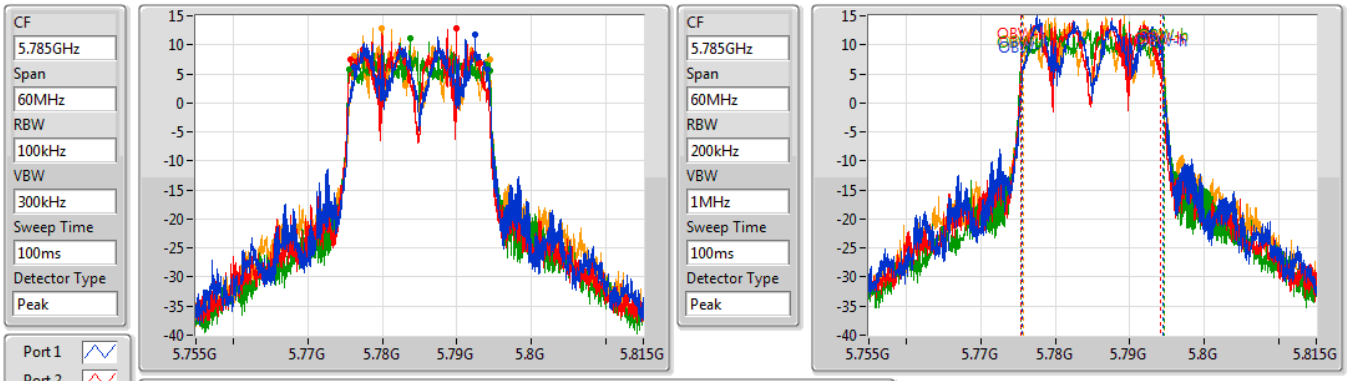
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.49M	5.73666G	5.75415G	18.741M	5.735675G	5.754415G	500k	1
17.43M	5.73567G	5.7531G	18.771M	5.735375G	5.754145G	500k	2
18.9M	5.73552G	5.75442G	19.16M	5.735375G	5.754535G	500k	3
17.91M	5.73651G	5.75442G	18.951M	5.735675G	5.754625G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

22/06/2020



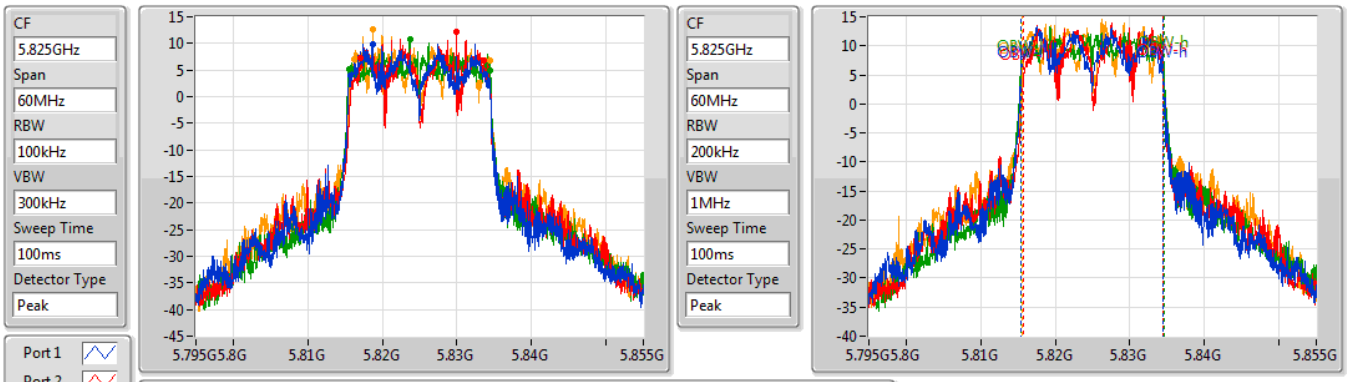
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18M	5.77618G	5.79418G	18.891M	5.775585G	5.794475G	500k	1
17.34M	5.77579G	5.79313G	18.711M	5.775465G	5.794175G	500k	2
18.93M	5.77549G	5.79442G	19.19M	5.775375G	5.794565G	500k	3
18.18M	5.77621G	5.79439G	18.921M	5.775675G	5.794595G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

22/06/2020



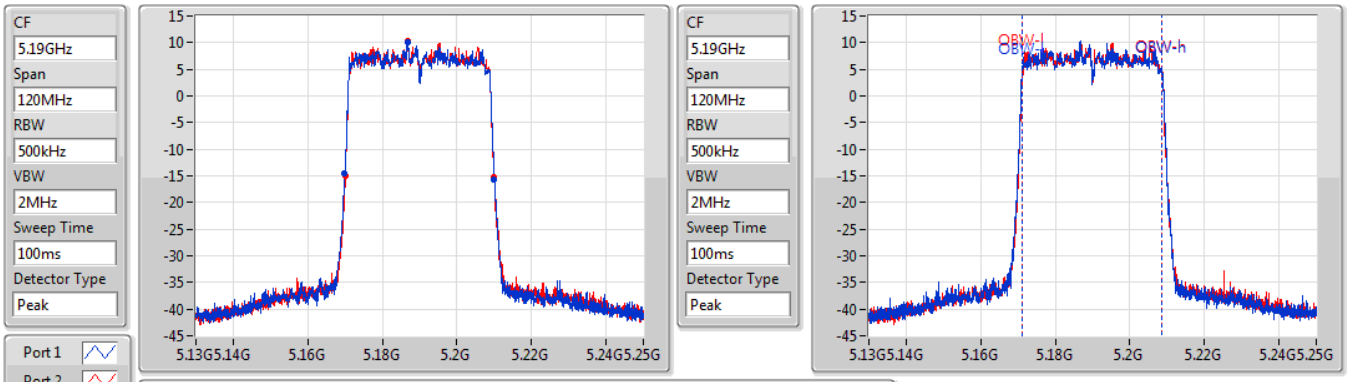
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.18M	5.81567G	5.83385G	19.04M	5.814435G	5.834475G	500k	1
16.47M	5.81708G	5.83355G	18.711M	5.815735G	5.834445G	500k	2
18.93M	5.81549G	5.83442G	19.22M	5.815375G	5.834595G	500k	3
18.24M	5.81615G	5.83439G	19.04M	5.815585G	5.834625G	500k	4

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

22/06/2020



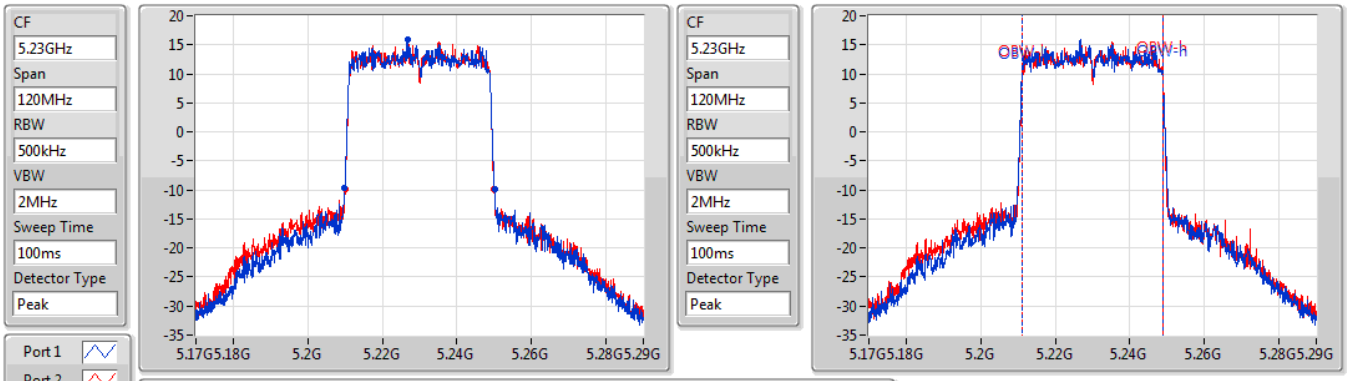
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.1699G	5.21004G	37.601M	5.171109G	5.208711G	Inf	1
39.9M	5.17008G	5.20998G	37.481M	5.171229G	5.208711G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

22/06/2020



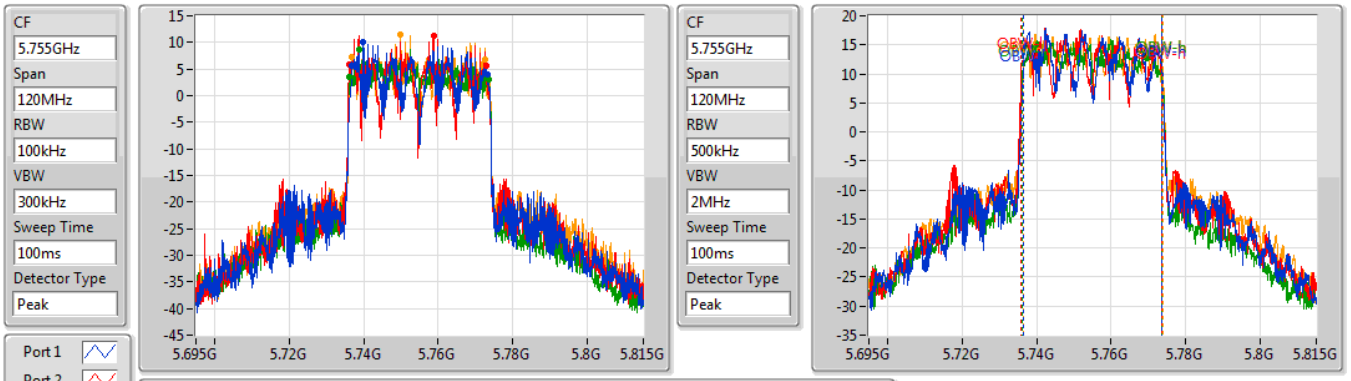
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2099G	5.2501G	37.661M	5.211109G	5.248771G	Inf	1
40.08M	5.20996G	5.25004G	37.661M	5.211109G	5.248771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

22/06/2020



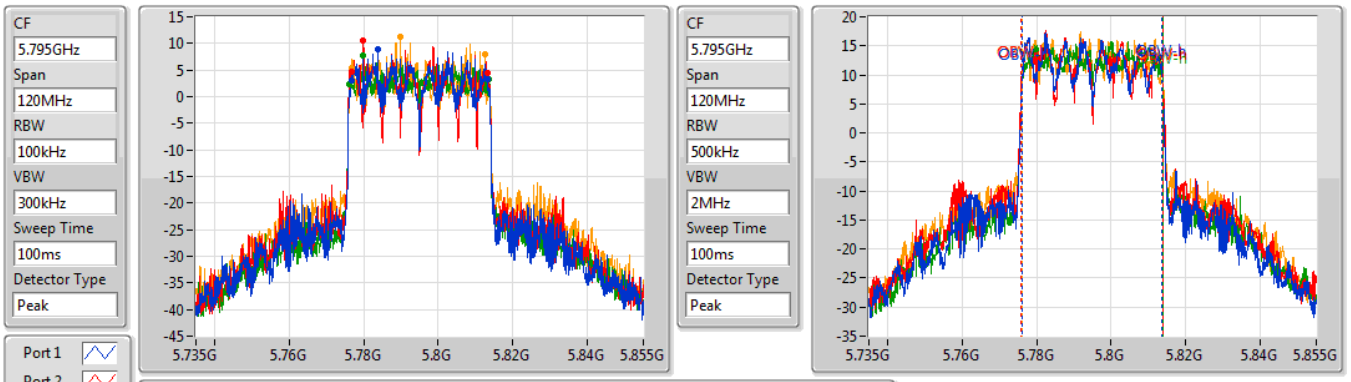
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73688G	5.77318G	37.361M	5.736349G	5.773711G	500k	1
36.72M	5.73616G	5.77288G	37.781M	5.73587G	5.773651G	500k	2
37.38M	5.73622G	5.7736G	37.661M	5.736049G	5.773711G	500k	3
35.58M	5.73694G	5.77252G	37.541M	5.736289G	5.773831G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

22/06/2020



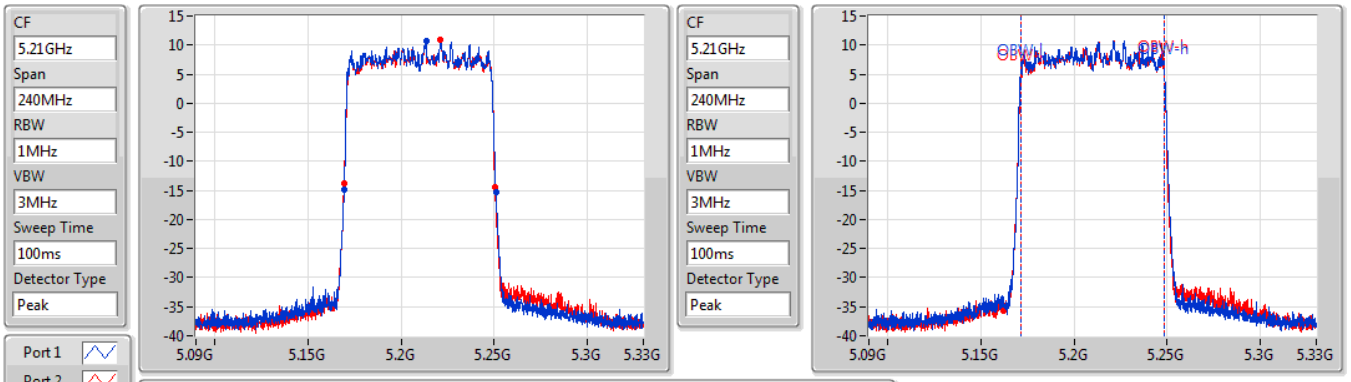
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.54M	5.77664G	5.81318G	37.601M	5.776109G	5.813711G	500k	1
36.36M	5.77682G	5.81318G	37.901M	5.77593G	5.813831G	500k	2
37.56M	5.7761G	5.81366G	37.661M	5.776109G	5.813771G	500k	3
35.7M	5.77676G	5.81246G	37.781M	5.776109G	5.813891G	500k	4

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5210MHz

22/06/2020



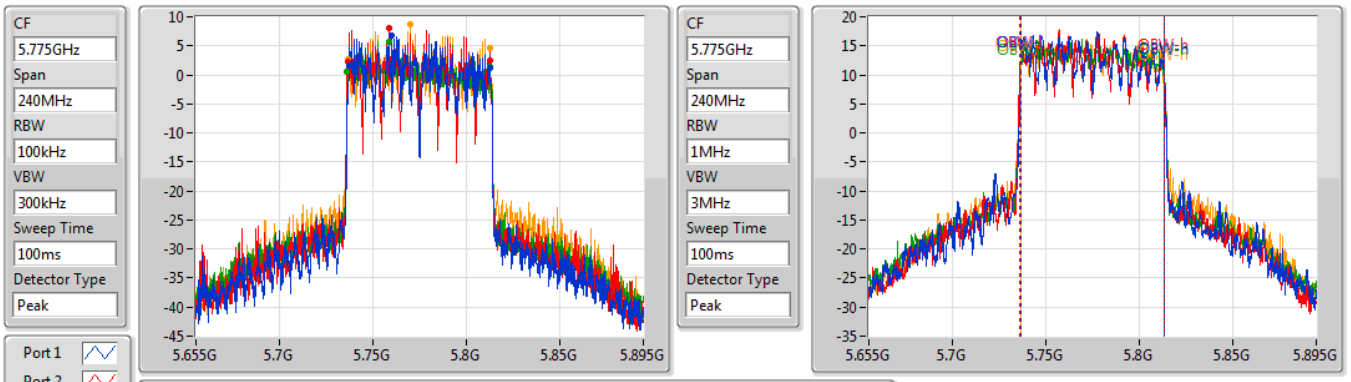
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.48M	5.16944G	5.25092G	77.001M	5.171499G	5.248501G	Inf	1
81M	5.16944G	5.25044G	76.882M	5.171619G	5.248501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

22/06/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.48M	5.73708G	5.81256G	76.642M	5.736739G	5.813381G	500k	1
76.08M	5.7366G	5.81268G	77.241M	5.736139G	5.813381G	500k	2
76.44M	5.73612G	5.81256G	77.241M	5.736259G	5.813501G	500k	3
75.6M	5.73684G	5.81244G	77.121M	5.736379G	5.813501G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	27.45	0.55590
802.11ax HEW20_Nss1,(MCS0)_2TX	27.67	0.58479
802.11ax HEW40_Nss1,(MCS0)_2TX	25.89	0.38815
802.11ax HEW80_Nss1,(MCS0)_2TX	20.89	0.12274
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	28.91	0.77804
802.11ax HEW20_Nss1,(MCS0)_4TX	29.05	0.80353
802.11ax HEW40_Nss1,(MCS0)_4TX	29.50	0.89125
802.11ax HEW80_Nss1,(MCS0)_4TX	28.96	0.78705

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)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	19.61	20.46			23.07	30.00
5200MHz	Pass	4.94	24.15	24.72			27.45	30.00
5240MHz	Pass	4.94	24.10	24.40			27.26	30.00
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5745MHz	Pass	5.26	22.57	23.11	22.65	23.18	28.91	30.00
5785MHz	Pass	5.26	21.71	22.75	22.49	22.59	28.42	30.00
5825MHz	Pass	5.26	21.62	22.11	22.33	21.95	28.03	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.94	20.24	20.99			23.64	30.00
5200MHz	Pass	4.94	24.38	24.92			27.67	30.00
5240MHz	Pass	4.94	24.16	24.79			27.50	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5745MHz	Pass	5.26	23.40	22.92	22.80	22.96	29.05	30.00
5785MHz	Pass	5.26	22.45	22.58	22.61	22.79	28.63	30.00
5825MHz	Pass	5.26	22.15	21.98	22.38	22.58	28.30	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.94	17.43	17.61			20.53	30.00
5230MHz	Pass	4.94	23.01	22.75			25.89	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5755MHz	Pass	5.26	23.33	23.36	23.33	23.86	29.50	30.00
5795MHz	Pass	5.26	22.72	22.70	22.94	23.26	28.93	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.94	18.00	17.75			20.89	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5775MHz	Pass	5.26	22.69	22.74	23.01	23.29	28.96	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	14.30
802.11ax HEW20_Nss1,(MCS0)_2TX	13.98
802.11ax HEW40_Nss1,(MCS0)_2TX	9.32
802.11ax HEW80_Nss1,(MCS0)_2TX	1.42
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.02
802.11ax HEW20_Nss1,(MCS0)_4TX	15.06
802.11ax HEW40_Nss1,(MCS0)_4TX	12.82
802.11ax HEW80_Nss1,(MCS0)_4TX	9.68

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

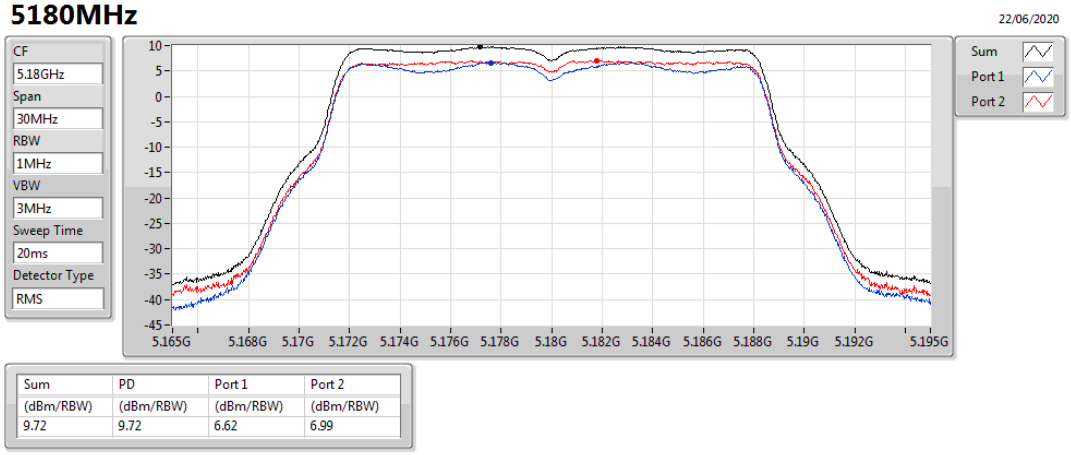
Result

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)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.00	6.62	6.99			9.72	17.00
5200MHz	Pass	6.00	11.29	11.57			14.30	17.00
5240MHz	Pass	6.00	11.24	11.56			14.19	17.00
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5745MHz	Pass	7.88	10.03	11.11	8.50	11.12	14.76	28.12
5785MHz	Pass	7.88	9.08	10.57	8.65	10.89	15.02	28.12
5825MHz	Pass	7.88	7.93	9.32	8.39	9.98	14.51	28.12
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.00	6.55	6.87			9.69	17.00
5200MHz	Pass	6.00	10.87	11.16			13.98	17.00
5240MHz	Pass	6.00	10.76	11.04			13.78	17.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5745MHz	Pass	7.88	10.45	9.90	8.30	9.62	15.06	28.12
5785MHz	Pass	7.88	9.87	9.84	8.15	9.83	14.73	28.12
5825MHz	Pass	7.88	8.73	9.16	7.65	9.14	13.49	28.12
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.00	0.96	0.76			3.75	17.00
5230MHz	Pass	6.00	6.43	6.37			9.32	17.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5755MHz	Pass	7.88	7.70	7.74	6.11	7.67	12.82	28.12
5795MHz	Pass	7.88	6.90	7.22	5.72	7.26	12.01	28.12
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.00	-1.32	-1.71			1.42	17.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5775MHz	Pass	7.88	4.85	4.39	3.31	4.58	9.68	28.12

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)_2TX PSD

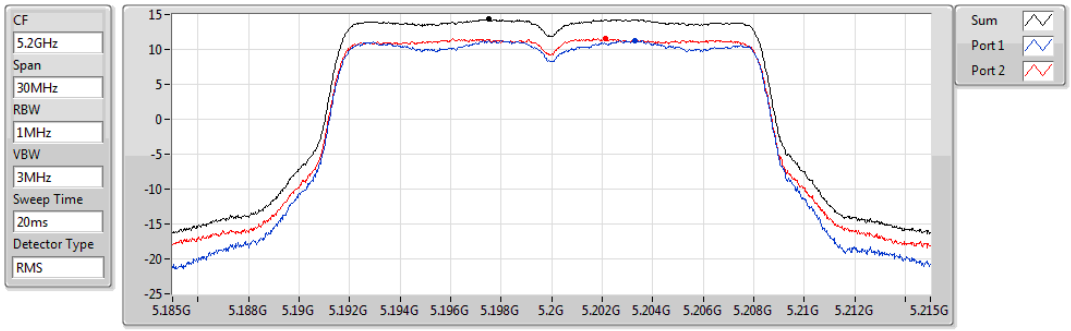
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.72	9.72	6.62	6.99

802.11a_Nss1,(6Mbps)_2TX PSD

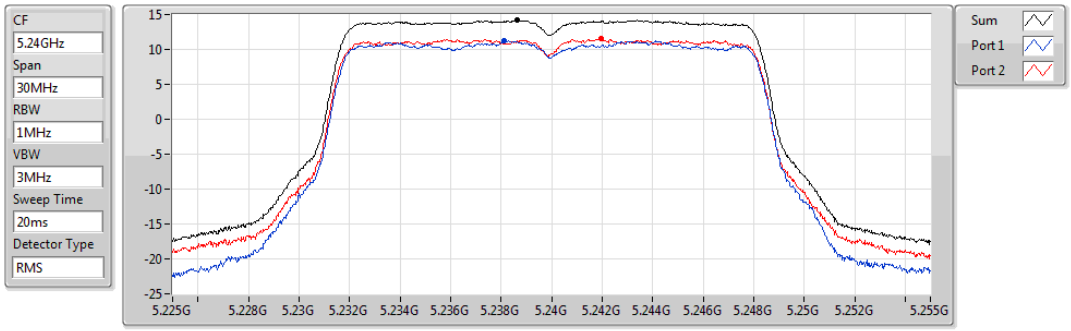
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.30	14.30	11.29	11.57

802.11a_Nss1,(6Mbps)_2TX PSD

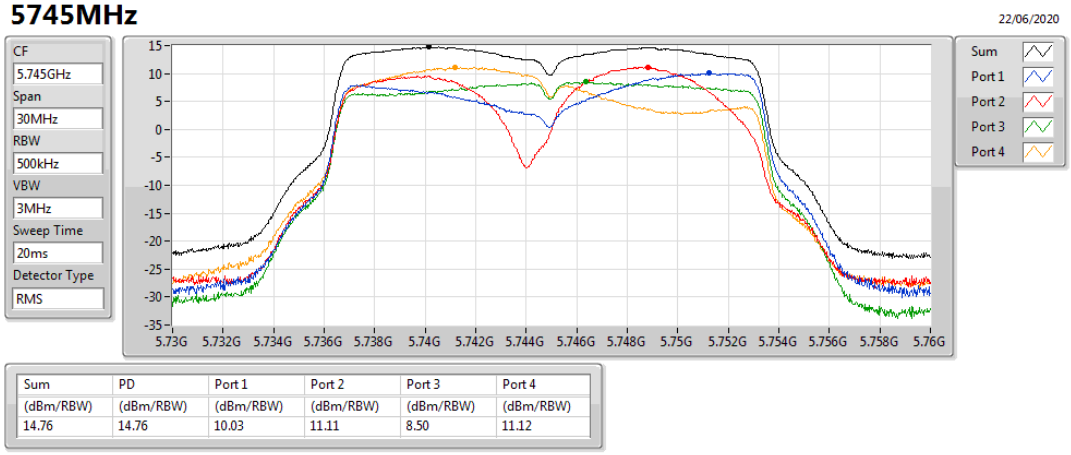
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.19	14.19	11.24	11.56

802.11a_Nss1,(6Mbps)_4TX PSD

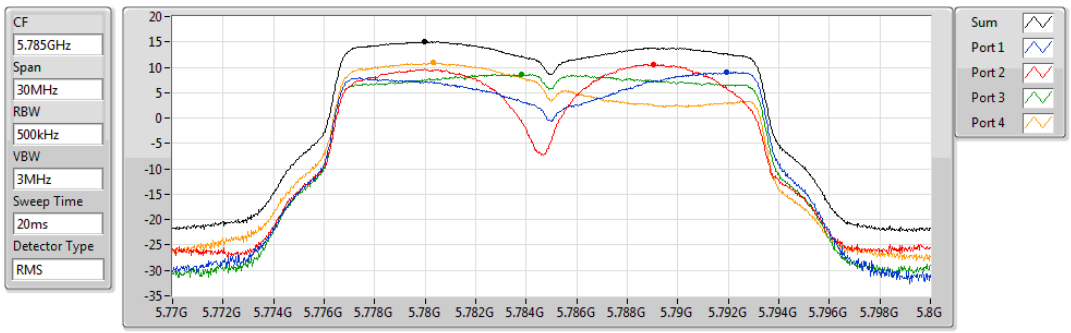
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.76	14.76	10.03	11.11	8.50	11.12

802.11a_Nss1,(6Mbps)_4TX PSD

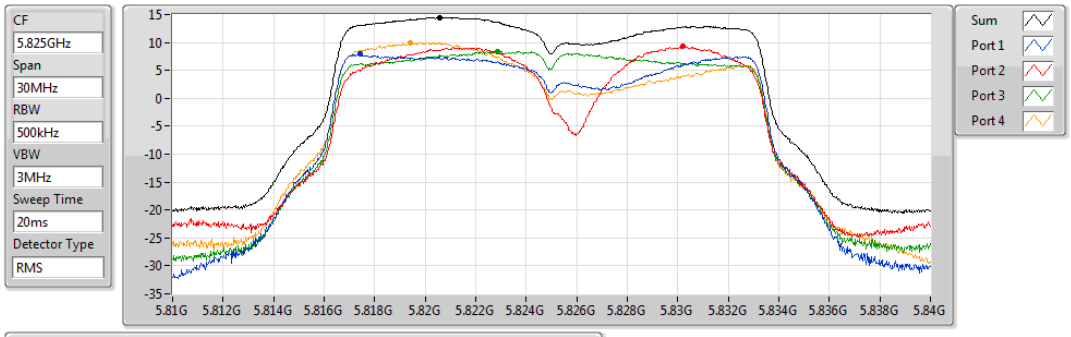
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.02	15.02	9.08	10.57	8.65	10.89

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

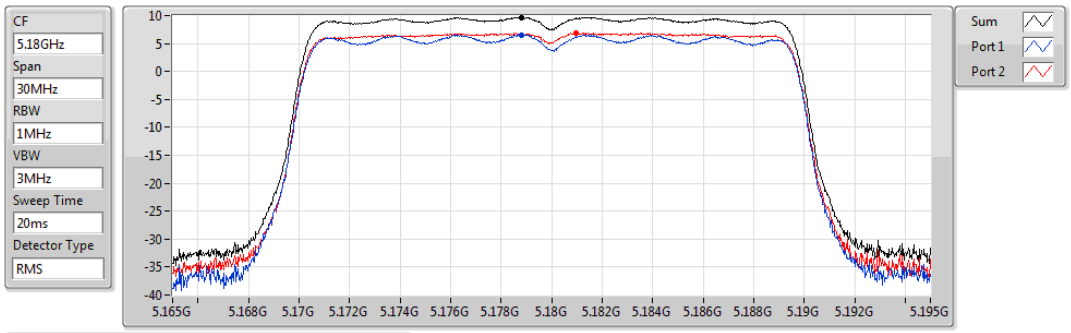


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.51	14.51	7.93	9.32	8.39	9.98

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5180MHz

22/06/2020

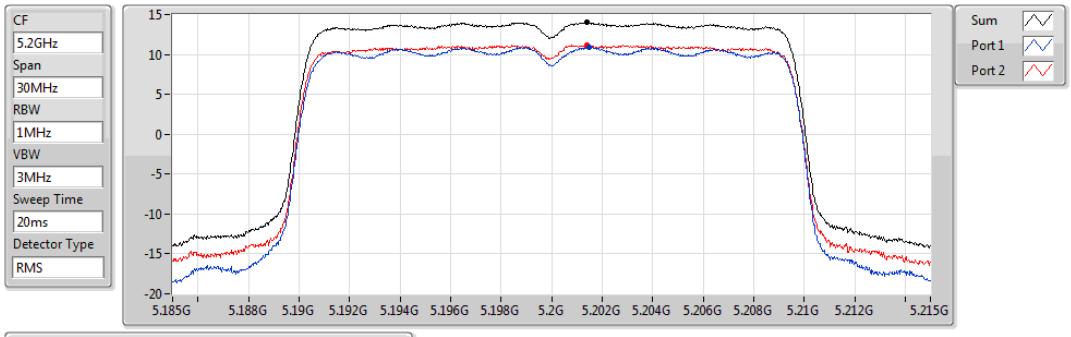


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.69	9.69	6.55	6.87

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5200MHz

20/07/2020

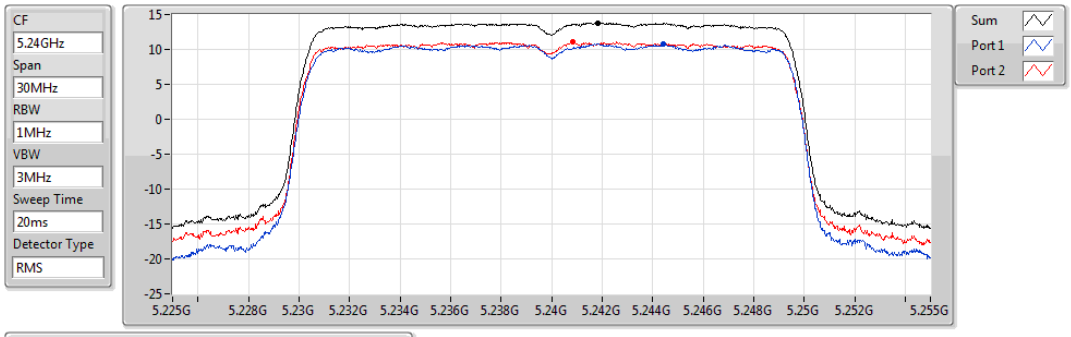


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.98	13.98	10.87	11.16

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5240MHz

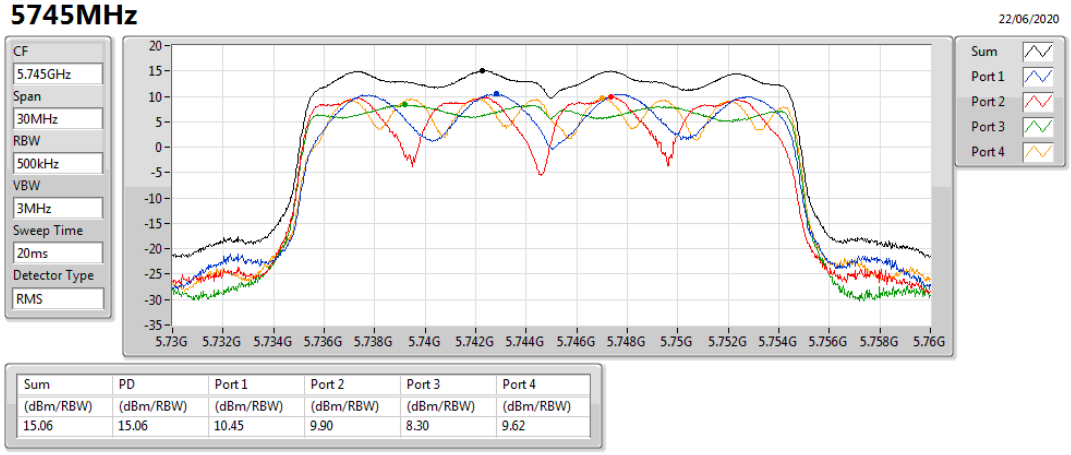
20/07/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.78	13.78	10.76	11.04

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

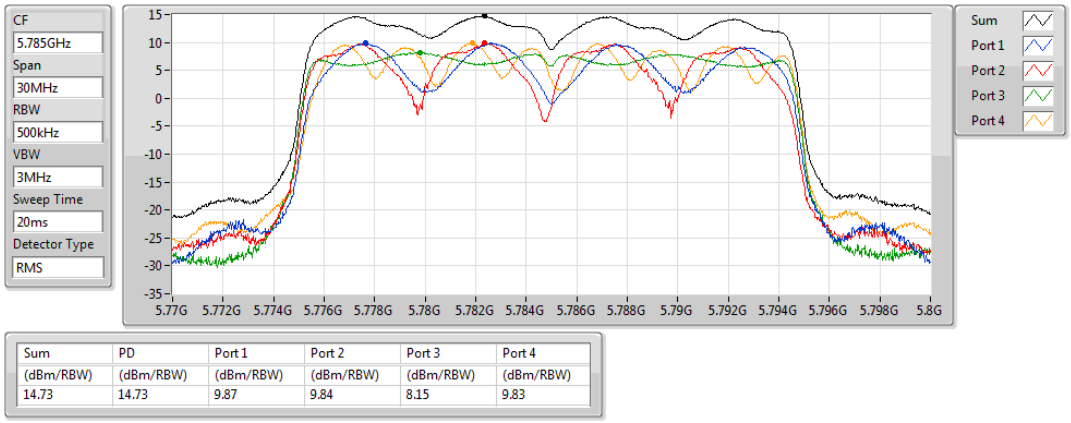
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.06	15.06	10.45	9.90	8.30	9.62

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

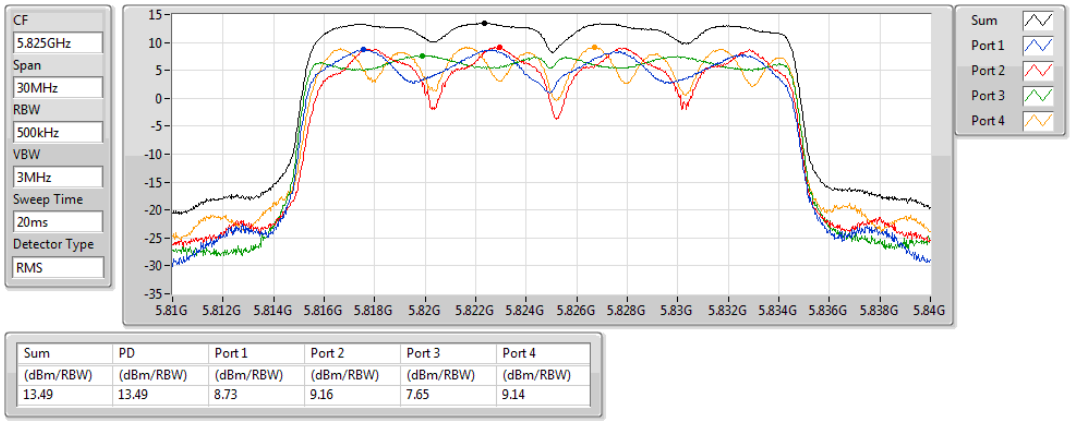
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.73	14.73	9.87	9.84	8.15	9.83

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

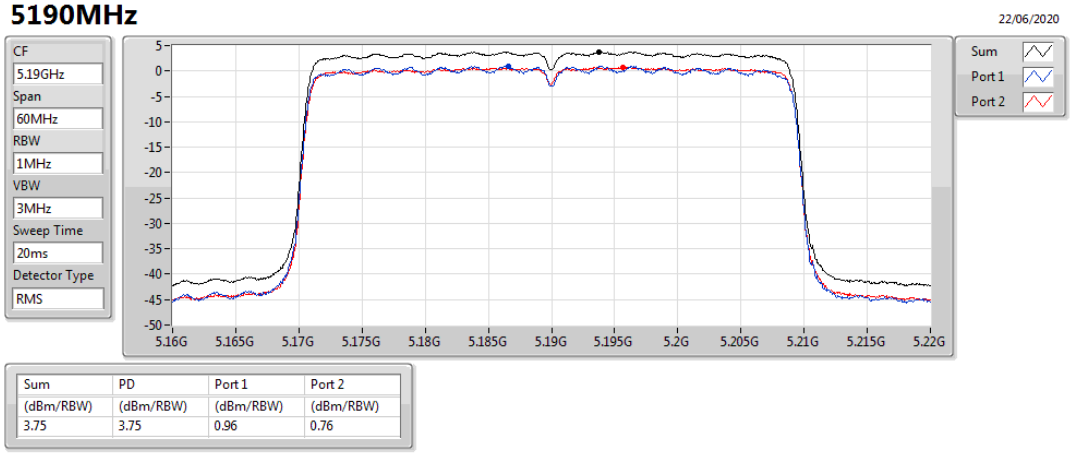
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.49	13.49	8.73	9.16	7.65	9.14

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

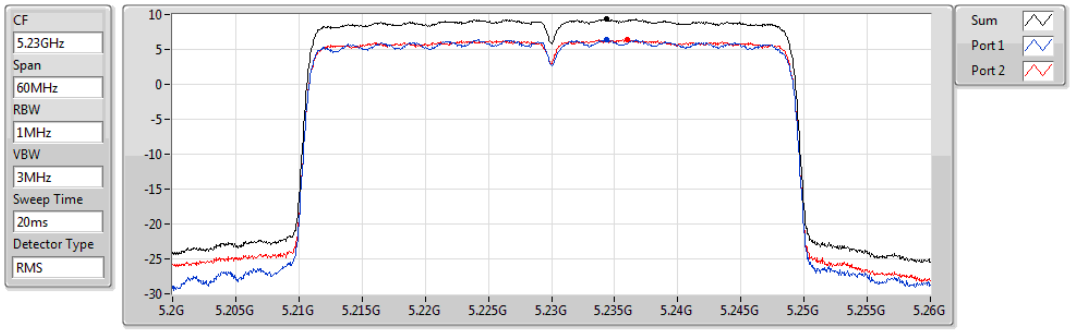
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.75	3.75	0.96	0.76

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

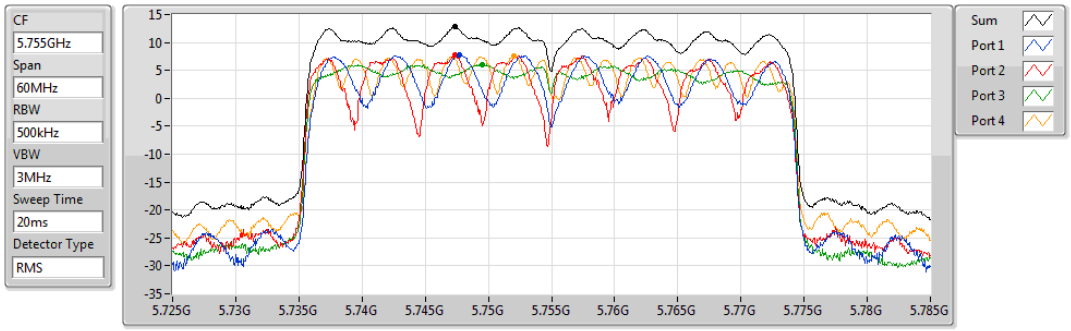
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.32	9.32	6.43	6.37

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

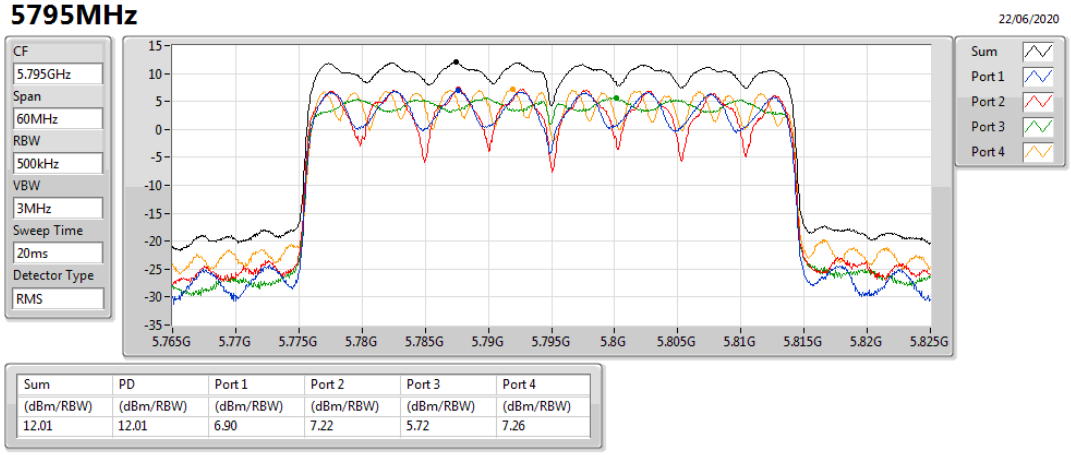
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.82	12.82	7.70	7.74	6.11	7.67

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

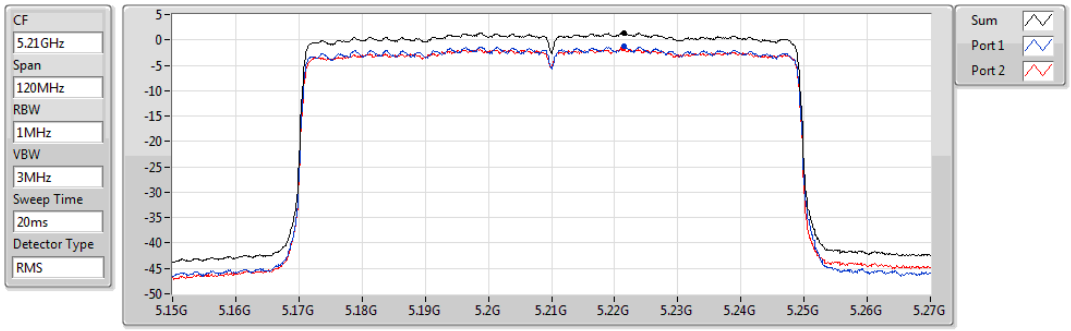
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.01	12.01	6.90	7.22	5.72	7.26

802.11ax HEW80_Nss1,(MCS0)_2TX PSD

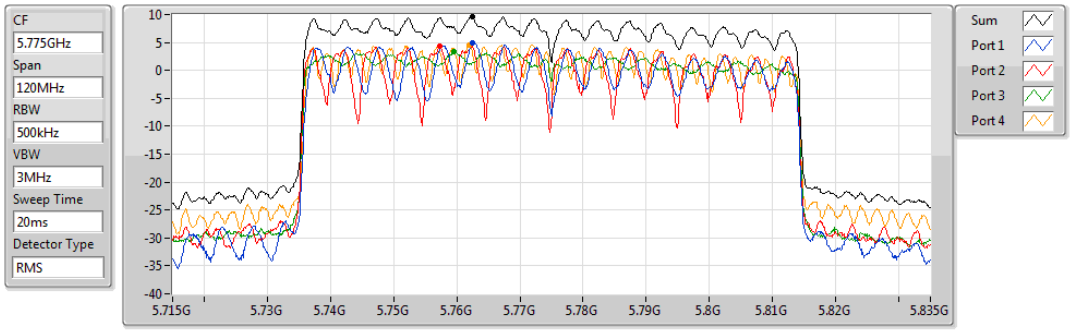
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.42	1.42	-1.32	-1.71

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5775MHz



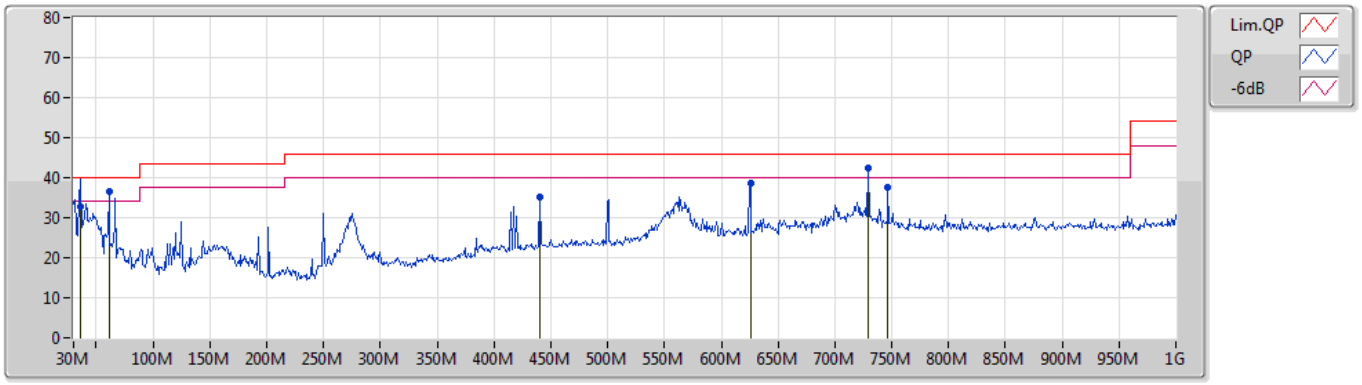
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.68	9.68	4.85	4.39	3.31	4.58

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	61.04M	36.50	40.00	-3.50	Vertical

Mode 1

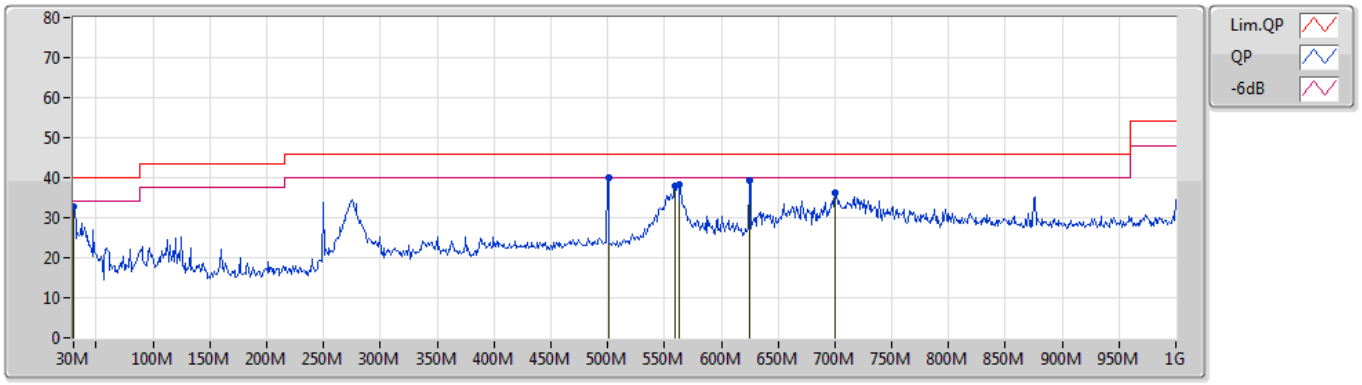
24/07/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
QP	35.82M	32.89	40.00	-7.11	-6.63	3	Vertical	225	3.00	"Worst"	39.52	21.34	0.60	28.57
PK	61.04M	36.50	40.00	-3.50	-15.56	3	Vertical	188	1.50	-	52.06	12.45	0.52	28.53
PK	440.31M	35.28	46.00	-10.72	-4.36	3	Vertical	224	1.50	-	39.64	22.58	2.08	29.02
PK	625.58M	38.49	46.00	-7.51	-1.41	3	Vertical	253	1.00	-	39.90	25.38	2.71	29.50
PK	729.37M	42.40	46.00	-3.60	-0.85	3	Vertical	75	1.25	-	43.25	25.62	2.96	29.43
PK	746.83M	37.49	46.00	-8.51	-0.50	3	Vertical	0	1.50	-	37.99	25.92	2.99	29.41

Mode 1

24/07/2020



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	30M	32.78	40.00	-7.22	-3.40	3	Horizontal	58	1.50	-	36.18	24.57	0.60	28.57
PK	500.45M	40.06	46.00	-5.94	-3.55	3	Horizontal	235	2.00	"Worst"	43.61	23.53	2.30	29.38
PK	559.62M	38.03	46.00	-7.97	-1.90	3	Horizontal	16	1.50	-	39.93	25.04	2.52	29.46
PK	562.53M	38.12	46.00	-7.88	-1.90	3	Horizontal	33	1.50	-	40.02	25.03	2.53	29.46
PK	624.61M	39.26	46.00	-6.74	-1.43	3	Horizontal	176	1.50	-	40.69	25.37	2.70	29.50
PK	700.27M	36.32	46.00	-9.68	-1.38	3	Horizontal	53	1.25	-	37.70	25.19	2.90	29.47

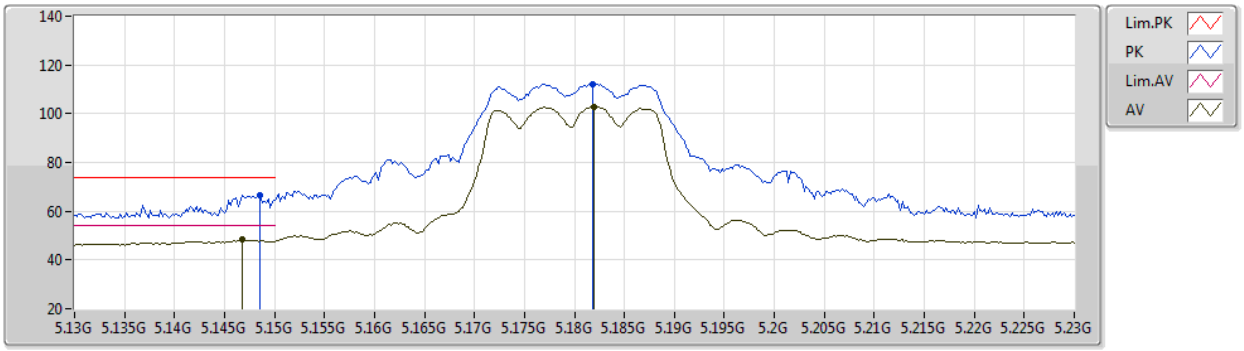
Summary

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)_2TX	Pass	PK	5.1496G	73.77	74.00	-0.23	3	Horizontal	346	2.17	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	5.1492G	53.77	54.00	-0.23	3	Horizontal	171	1.75	-
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	AV	5.1468G	53.81	54.00	-0.19	3	Horizontal	347	1.36	-
802.11ax HEW80_Nss1,(MCS0)_2TX	Pass	AV	5.149G	53.81	54.00	-0.19	3	Horizontal	349	1.56	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	17.47682G	63.77	68.20	-4.43	3	Horizontal	0	1.80	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	17.47398G	64.95	68.20	-3.25	3	Horizontal	138	1.34	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	5.65G	63.70	68.20	-4.50	3	Vertical	52	2.12	-
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	PK	5.652G	69.61	69.68	-0.07	3	Horizontal	122	1.99	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

11/06/2020



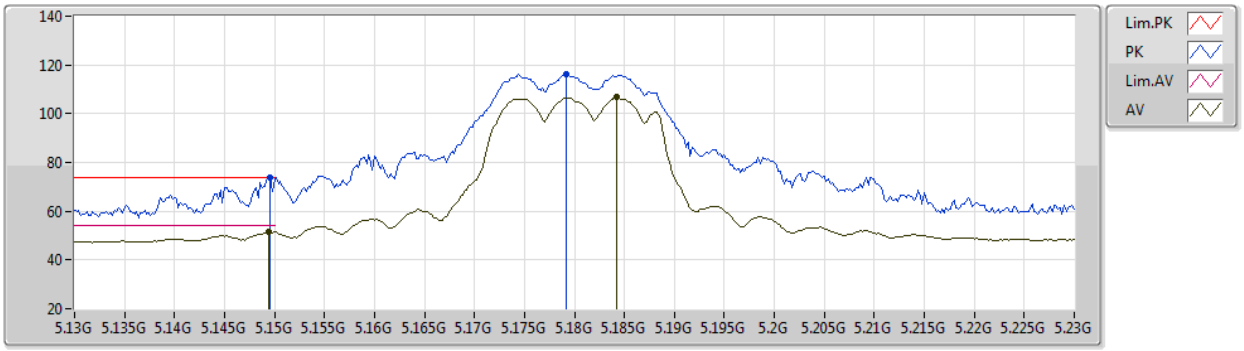
EUT Y_2TX
Setting 81
03-A-J-7-10

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	5.1486G	66.46	74.00	-7.54	60.45	3	Vertical	289	2.54	-	34.05	6.73	34.77
AV	5.1468G	48.27	54.00	-5.73	42.26	3	Vertical	289	2.54	-	34.05	6.73	34.77
PK	5.1818G	112.16	Inf	-Inf	106.12	3	Vertical	289	2.54	-	34.08	6.76	34.80
AV	5.182G	102.93	Inf	-Inf	96.89	3	Vertical	289	2.54	-	34.08	6.76	34.80

802.11a_Nss1,(6Mbps)_2TX

11/06/2020

5180MHz_TX



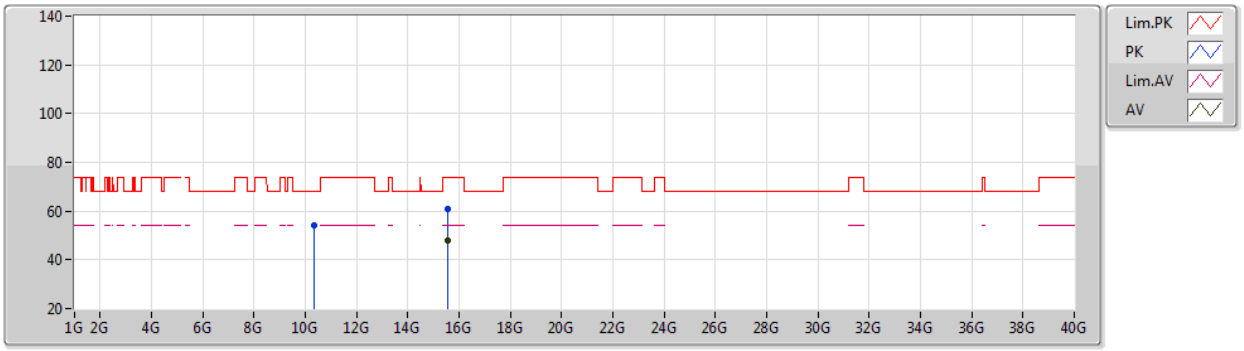
EUT Y_2TX
Setting 81
03-A-J-7-10

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	73.77	74.00	-0.23	67.76	3	Horizontal	346	2.17	-	34.05	6.73	34.77
AV	5.1494G	51.73	54.00	-2.27	45.72	3	Horizontal	346	2.17	-	34.05	6.73	34.77
PK	5.1792G	116.07	Inf	-Inf	110.03	3	Horizontal	346	2.17	-	34.08	6.76	34.80
AV	5.1842G	106.68	Inf	-Inf	100.64	3	Horizontal	346	2.17	-	34.08	6.76	34.80

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

11/06/2020



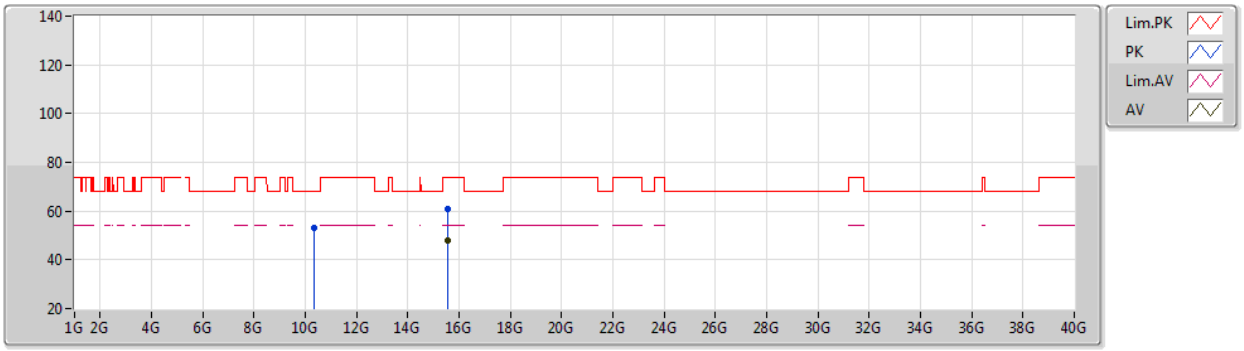
EUT Y_2TX
Setting 81
03-A-J-7

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	10.35997G	53.90	68.20	-14.30	40.51	3	Vertical	91	1.82	-	38.37	10.00	34.98
PK	15.54428G	61.08	74.00	-12.92	45.38	3	Vertical	310	2.98	-	38.87	11.63	34.80
AV	15.53996G	47.99	54.00	-6.01	32.28	3	Vertical	310	2.98	-	38.88	11.63	34.80

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

11/06/2020



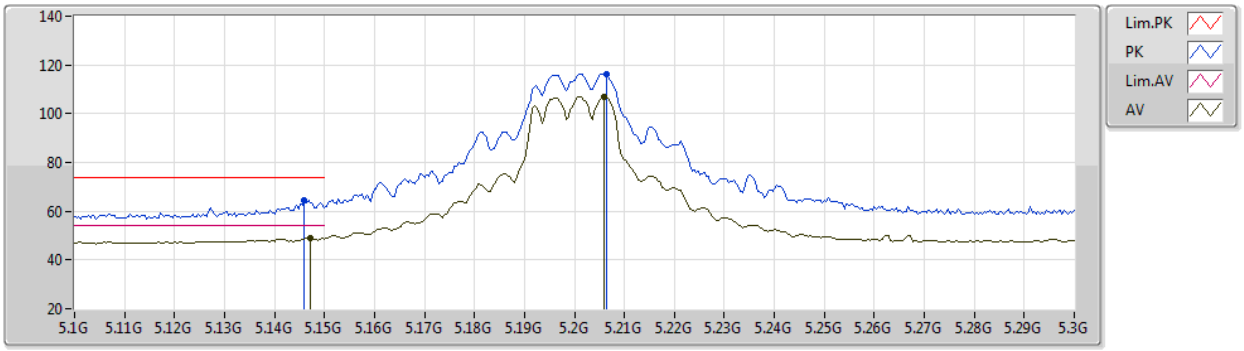
EUT Y_2TX
Setting 81
03-A-J-7

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	10.36088G	53.30	68.20	-14.90	39.91	3	Horizontal	189	1.96	-	38.37	10.00	34.98
PK	15.53856G	60.92	74.00	-13.08	45.22	3	Horizontal	5	1.55	-	38.88	11.62	34.80
AV	15.5409G	47.72	54.00	-6.28	32.01	3	Horizontal	5	1.55	-	38.88	11.63	34.80

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

11/06/2020



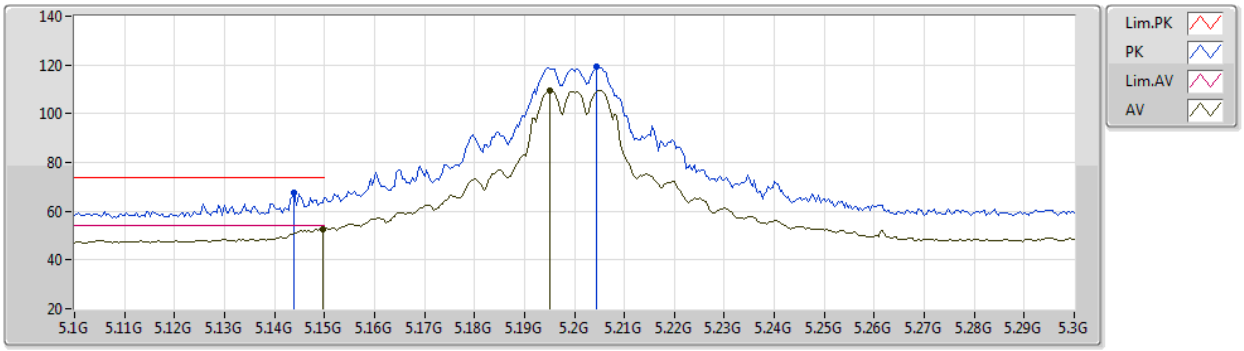
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.146G	64.45	74.00	-9.55	59.86	3	Vertical	272	2.32	-	33.90	6.02	35.33
AV	5.1472G	48.97	54.00	-5.03	44.37	3	Vertical	272	2.32	-	33.90	6.03	35.33
PK	5.2064G	116.46	Inf	-Inf	111.70	3	Vertical	272	2.32	-	33.92	6.10	35.26
AV	5.206G	107.05	Inf	-Inf	102.29	3	Vertical	272	2.32	-	33.92	6.10	35.26

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

11/06/2020



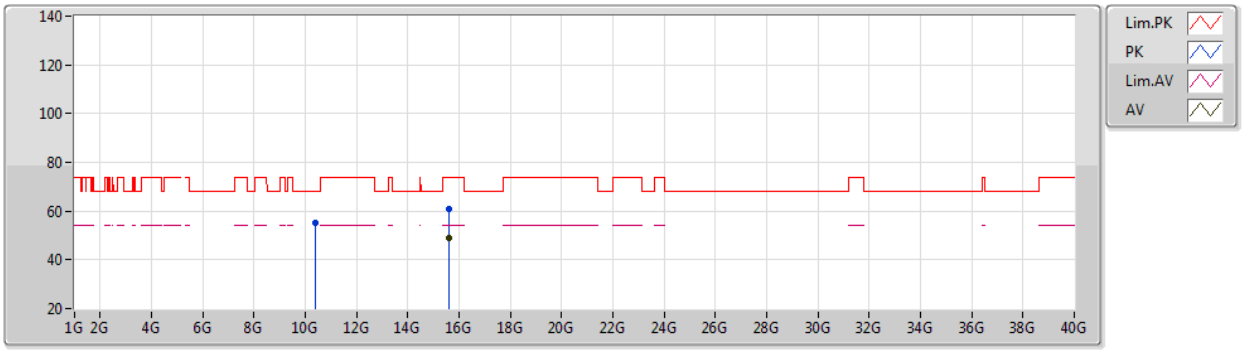
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.144G	67.73	74.00	-6.27	63.14	3	Horizontal	146	2.57	-	33.90	6.02	35.33
AV	5.1496G	52.60	54.00	-1.40	48.00	3	Horizontal	146	2.57	-	33.90	6.03	35.33
PK	5.2044G	119.41	Inf	-Inf	114.66	3	Horizontal	146	2.57	-	33.91	6.10	35.26
AV	5.1952G	109.65	Inf	-Inf	104.94	3	Horizontal	146	2.57	-	33.90	6.09	35.28

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

11/06/2020



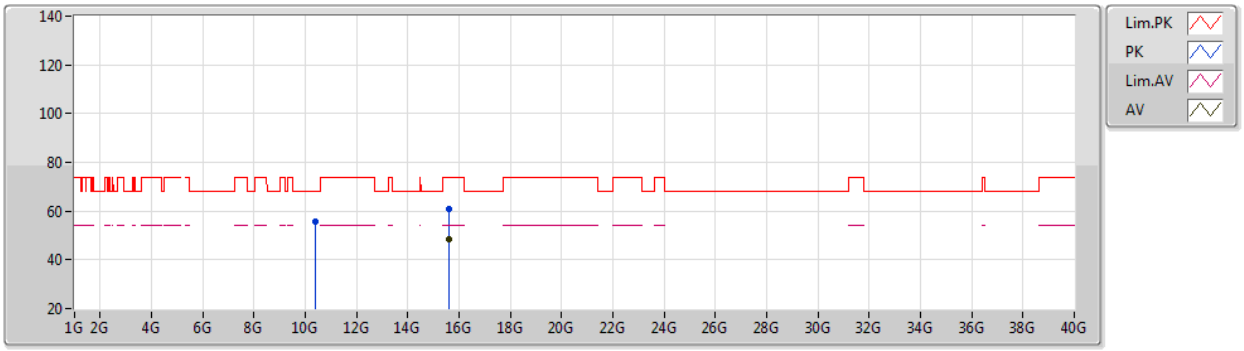
EUT Y_2TX
Setting 100
03-A-J-7

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	10.40053G	55.24	68.20	-12.96	41.57	3	Vertical	154	2.84	-	38.34	10.25	34.92
PK	15.60062G	60.90	74.00	-13.10	45.00	3	Vertical	70	2.34	-	38.70	12.05	34.85
AV	15.59932G	48.74	54.00	-5.26	32.84	3	Vertical	70	2.34	-	38.70	12.05	34.85

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

11/06/2020



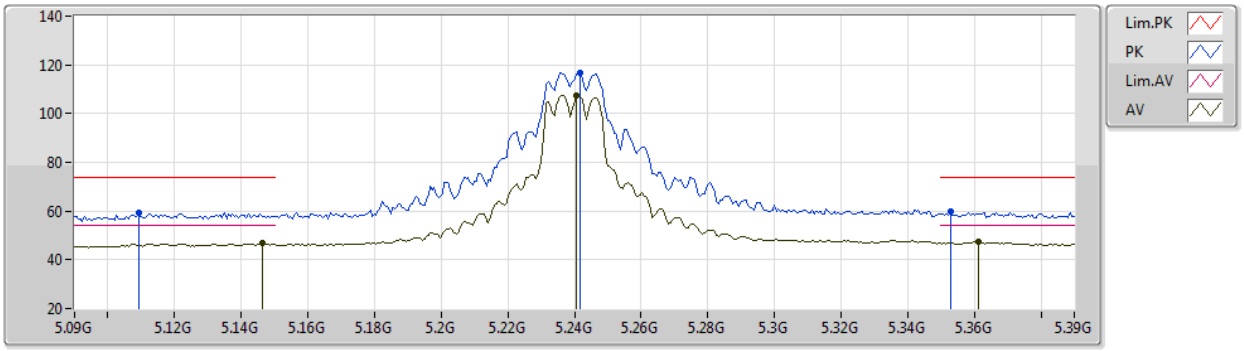
EUT Y_2TX
Setting 100
03-A-J-7

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	10.39973G	55.67	68.20	-12.53	42.00	3	Horizontal	145	1.12	-	38.34	10.25	34.92
PK	15.59933G	60.72	74.00	-13.28	44.82	3	Horizontal	58	1.62	-	38.70	12.05	34.85
AV	15.59923G	48.35	54.00	-5.65	32.45	3	Horizontal	58	1.62	-	38.70	12.05	34.85

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

11/06/2020



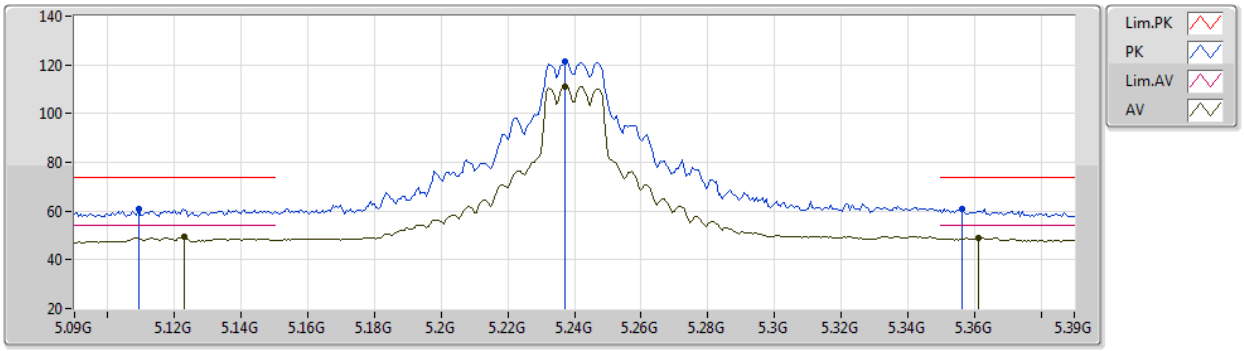
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.1092G	59.27	74.00	-14.73	54.77	3	Vertical	273	2.44	-	33.90	5.97	35.37
AV	5.1464G	46.70	54.00	-7.30	42.11	3	Vertical	273	2.44	-	33.90	6.02	35.33
PK	5.2418G	116.68	Inf	-Inf	111.79	3	Vertical	273	2.44	-	34.03	6.08	35.22
AV	5.2406G	107.23	Inf	-Inf	102.35	3	Vertical	273	2.44	-	34.02	6.08	35.22
PK	5.3528G	59.83	74.00	-14.17	54.65	3	Vertical	273	2.44	-	34.25	6.02	35.09
AV	5.3612G	47.46	54.00	-6.54	42.26	3	Vertical	273	2.44	-	34.26	6.02	35.08

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

11/06/2020



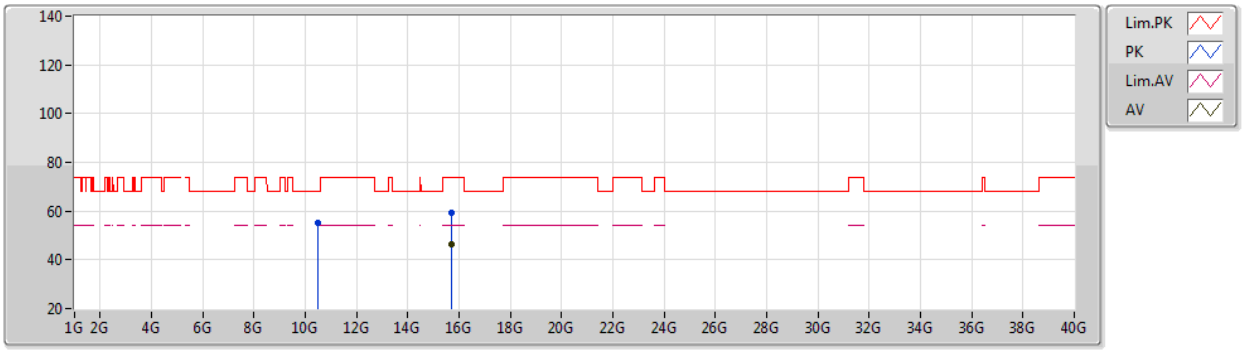
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.1092G	60.87	74.00	-13.13	56.37	3	Horizontal	169	1.54	-	33.90	5.97	35.37
AV	5.123G	49.32	54.00	-4.68	44.78	3	Horizontal	169	1.54	-	33.90	5.99	35.35
PK	5.237G	121.38	Inf	-Inf	116.52	3	Horizontal	169	1.54	-	34.01	6.08	35.23
AV	5.237G	111.27	Inf	-Inf	106.41	3	Horizontal	169	1.54	-	34.01	6.08	35.23
PK	5.3564G	60.88	74.00	-13.12	55.69	3	Horizontal	169	1.54	-	34.26	6.02	35.09
AV	5.3612G	48.97	54.00	-5.03	43.77	3	Horizontal	169	1.54	-	34.26	6.02	35.08

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

11/06/2020



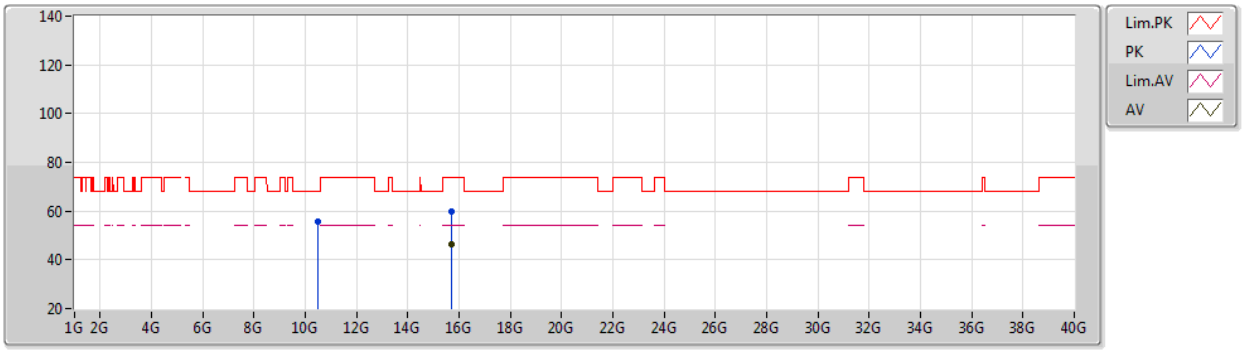
EUT Y_2TX
Setting 100
03-A-J-7

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	10.48065G	55.25	68.20	-12.95	41.46	3	Vertical	308	1.31	-	38.35	10.30	34.86
PK	15.71988G	59.38	74.00	-14.62	43.94	3	Vertical	218	2.81	-	38.34	12.09	34.99
AV	15.72043G	46.48	54.00	-7.52	31.04	3	Vertical	218	2.81	-	38.34	12.09	34.99

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

11/06/2020



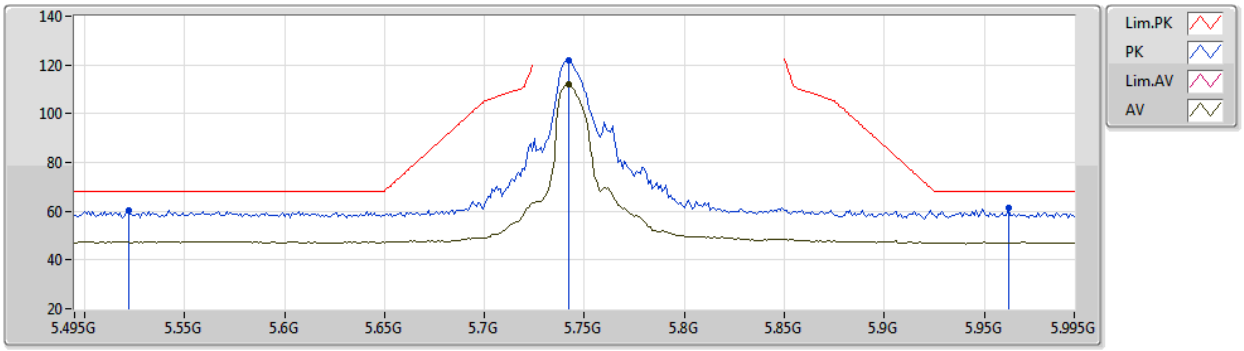
EUT Y_2TX
Setting 100
03-A-J-7

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	10.48057G	55.94	68.20	-12.26	42.15	3	Horizontal	30	1.03	-	38.35	10.30	34.86
PK	15.72053G	59.70	74.00	-14.30	44.26	3	Horizontal	293	1.23	-	38.34	12.09	34.99
AV	15.72086G	46.35	54.00	-7.65	30.91	3	Horizontal	293	1.23	-	38.34	12.09	34.99

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

11/06/2020



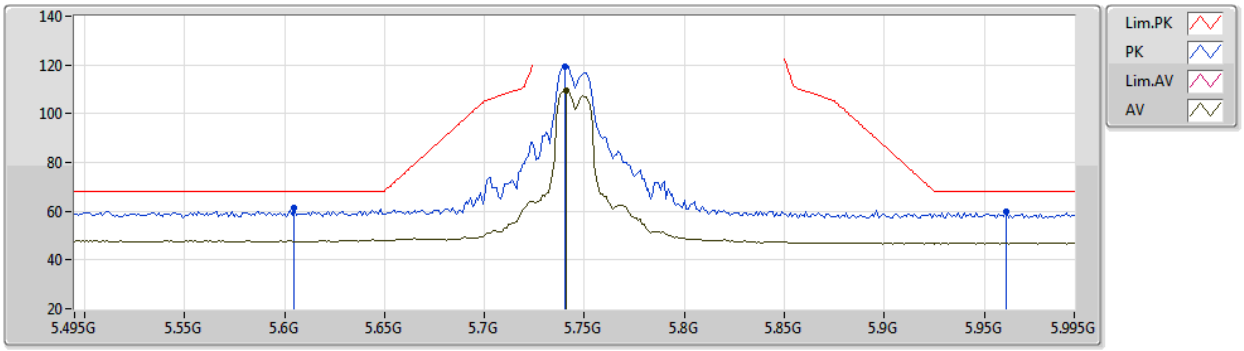
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.522G	60.23	68.20	-7.97	53.74	3	Vertical	39	1.80	-	34.48	7.01	35.00
PK	5.742G	122.07	Inf	-Inf	115.68	3	Vertical	39	1.80	-	34.30	7.03	34.94
AV	5.742G	112.23	Inf	-Inf	105.84	3	Vertical	39	1.80	-	34.30	7.03	34.94
PK	5.962G	61.59	68.20	-6.61	54.72	3	Vertical	39	1.80	-	34.69	7.06	34.88

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

11/06/2020



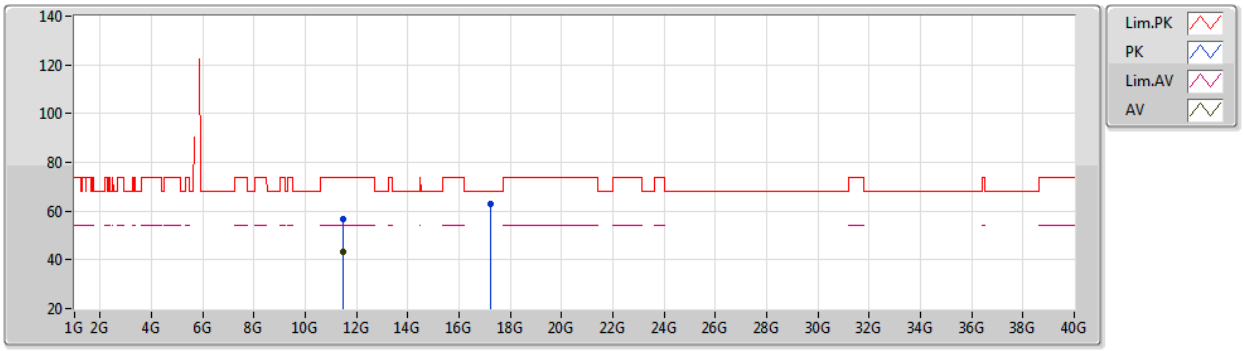
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.605G	61.58	68.20	-6.62	55.15	3	Horizontal	125	1.95	-	34.39	7.02	34.98
PK	5.74G	119.42	Inf	-Inf	113.03	3	Horizontal	125	1.95	-	34.30	7.03	34.94
AV	5.741G	109.71	Inf	-Inf	103.32	3	Horizontal	125	1.95	-	34.30	7.03	34.94
PK	5.961G	59.99	68.20	-8.21	53.13	3	Horizontal	125	1.95	-	34.68	7.06	34.88

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

11/06/2020



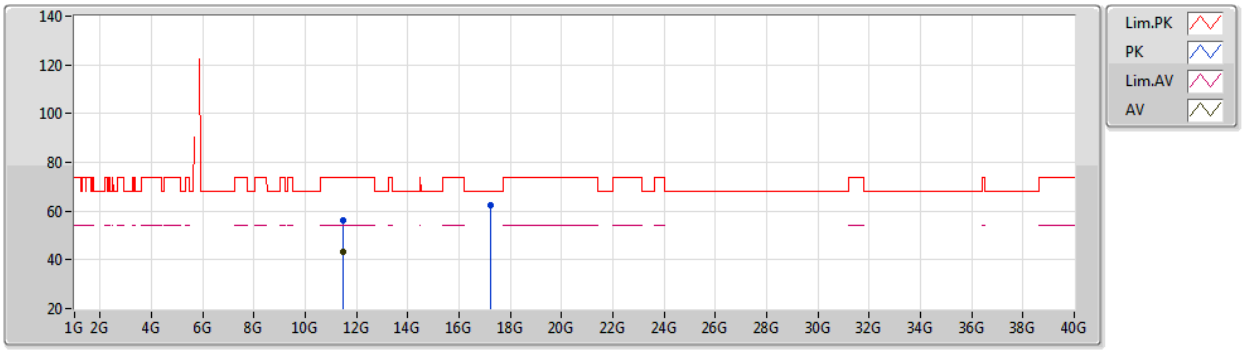
EUT Y_4TX
Setting 92
03-A-J-7

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	11.49051G	56.76	74.00	-17.24	42.44	3	Vertical	28	1.86	-	38.84	10.16	34.68
AV	11.4898G	43.22	54.00	-10.78	28.90	3	Vertical	28	1.86	-	38.84	10.16	34.68
PK	17.23694G	63.01	68.20	-5.19	44.39	3	Vertical	121	1.80	-	41.11	12.09	34.58

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

11/06/2020



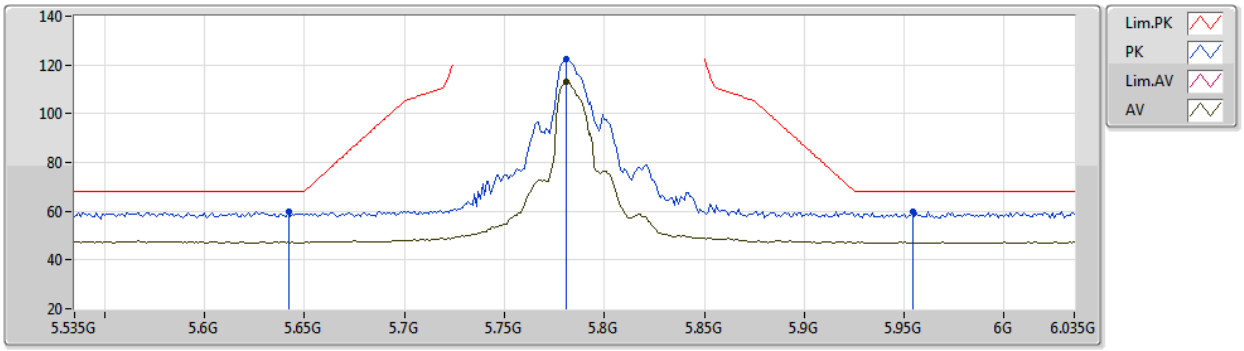
EUT Y_4TX
Setting 92
03-A-J-7

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	11.49092G	56.44	74.00	-17.56	42.12	3	Horizontal	261	1.80	-	38.84	10.16	34.68
AV	11.48998G	43.48	54.00	-10.52	29.16	3	Horizontal	261	1.80	-	38.84	10.16	34.68
PK	17.23996G	62.62	68.20	-5.58	43.99	3	Horizontal	321	1.80	-	41.12	12.09	34.58

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

11/06/2020



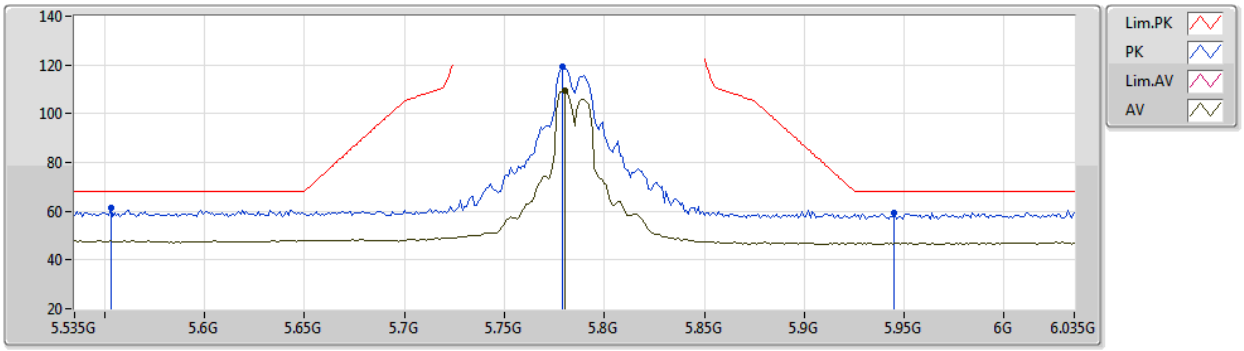
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.642G	59.74	68.20	-8.46	53.33	3	Vertical	43	1.74	-	34.36	7.02	34.97
PK	5.781G	122.29	Inf	-Inf	115.88	3	Vertical	43	1.74	-	34.30	7.04	34.93
AV	5.781G	113.25	Inf	-Inf	106.84	3	Vertical	43	1.74	-	34.30	7.04	34.93
PK	5.954G	59.94	68.20	-8.26	53.10	3	Vertical	43	1.74	-	34.66	7.06	34.88

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

11/06/2020



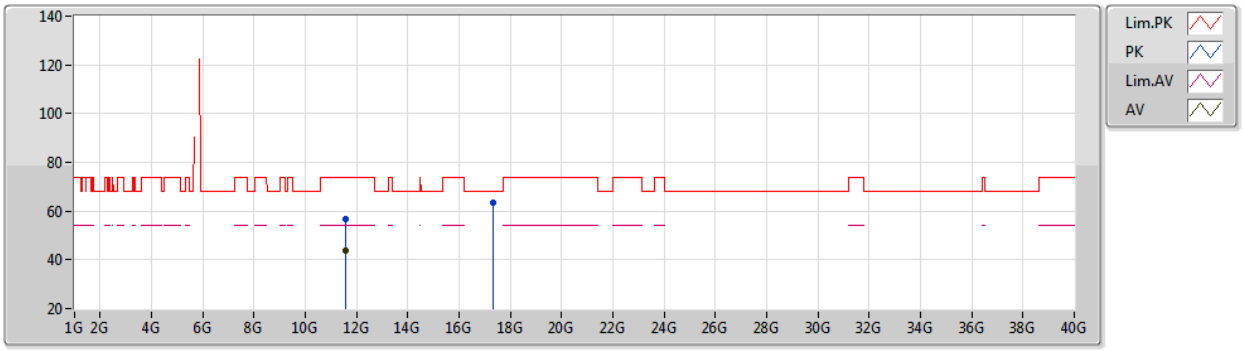
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.553G	61.13	68.20	-7.07	54.65	3	Horizontal	123	1.99	-	34.45	7.02	34.99
PK	5.779G	119.20	Inf	-Inf	112.79	3	Horizontal	123	1.99	-	34.30	7.04	34.93
AV	5.78G	109.41	Inf	-Inf	103.00	3	Horizontal	123	1.99	-	34.30	7.04	34.93
PK	5.945G	59.15	68.20	-9.05	52.36	3	Horizontal	123	1.99	-	34.63	7.05	34.89

802.11a_Nss1,(6Mbps)_4TX

11/06/2020

5785MHz_TX



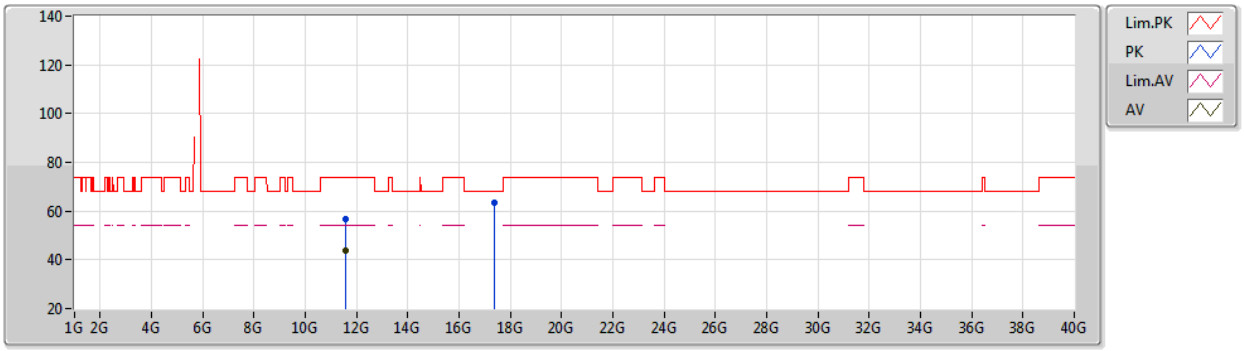
EUT Y_4TX
Setting 92
03-A-J-7

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	11.56979G	56.95	74.00	-17.05	42.57	3	Vertical	26	1.99	-	38.90	10.17	34.69
AV	11.56977G	43.86	54.00	-10.14	29.48	3	Vertical	26	1.99	-	38.90	10.17	34.69
PK	17.35034G	63.39	68.20	-4.81	44.15	3	Vertical	15	1.80	-	41.69	12.12	34.57

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

11/06/2020



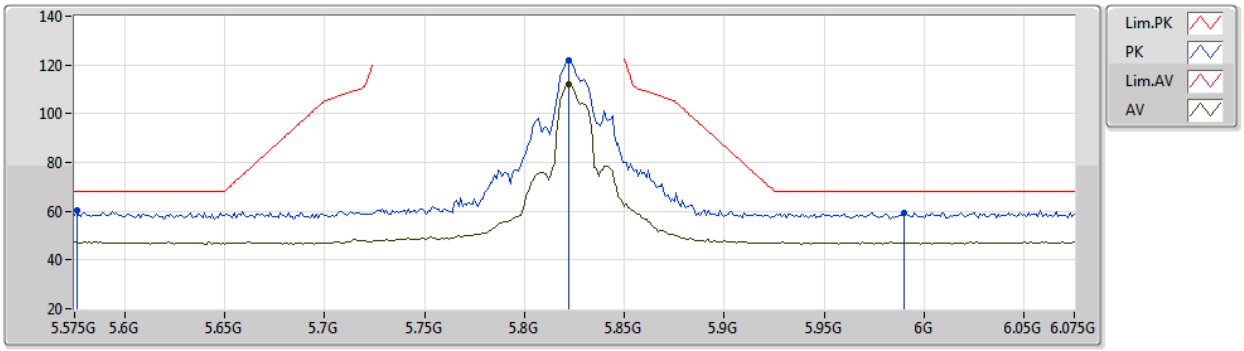
EUT Y_4TX
Setting 92
03-A-J-7

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	11.57094G	56.67	74.00	-17.33	42.29	3	Horizontal	55	1.74	-	38.90	10.17	34.69
AV	11.56982G	43.73	54.00	-10.27	29.35	3	Horizontal	55	1.74	-	38.90	10.17	34.69
PK	17.35314G	63.28	68.20	-4.92	44.03	3	Horizontal	0	1.80	-	41.70	12.12	34.57

802.11a_Nss1,(6Mbps)_4TX

11/06/2020

5825MHz_TX



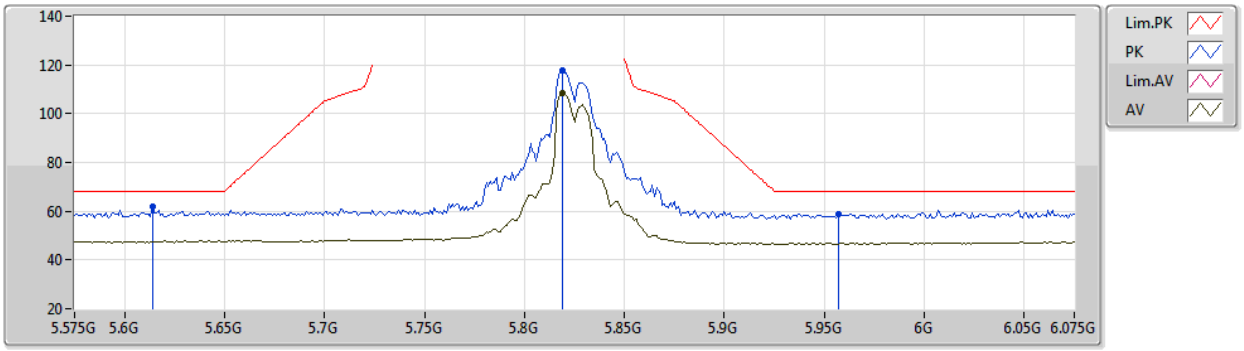
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.576G	60.45	68.20	-7.75	54.00	3	Vertical	37	1.70	-	34.42	7.02	34.99
PK	5.822G	121.97	Inf	-Inf	115.51	3	Vertical	37	1.70	-	34.34	7.04	34.92
AV	5.822G	112.28	Inf	-Inf	105.82	3	Vertical	37	1.70	-	34.34	7.04	34.92
PK	5.99G	59.38	68.20	-8.82	52.42	3	Vertical	37	1.70	-	34.77	7.06	34.87

802.11a_Nss1,(6Mbps)_4TX

11/06/2020

5825MHz_TX



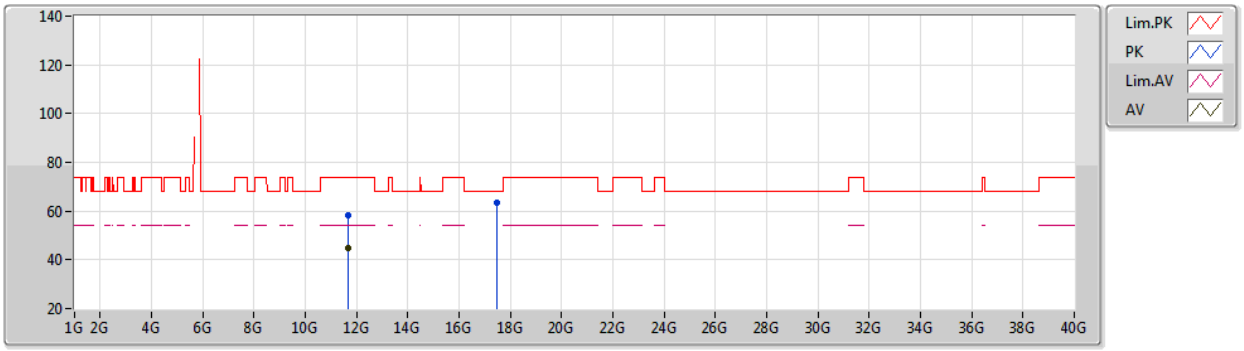
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.614G	61.77	68.20	-6.43	55.34	3	Horizontal	122	2.07	-	34.39	7.02	34.98
PK	5.819G	117.96	Inf	-Inf	111.50	3	Horizontal	122	2.07	-	34.34	7.04	34.92
AV	5.819G	108.32	Inf	-Inf	101.86	3	Horizontal	122	2.07	-	34.34	7.04	34.92
PK	5.957G	58.76	68.20	-9.44	51.91	3	Horizontal	122	2.07	-	34.67	7.06	34.88

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

11/06/2020



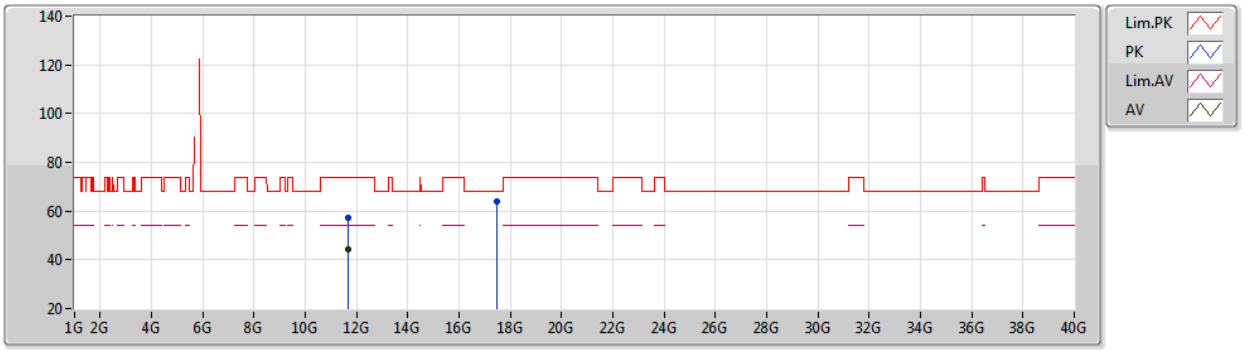
EUT Y_4TX
Setting 92
03-A-J-7

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	11.64998G	58.28	74.00	-15.72	43.86	3	Vertical	27	2.01	-	38.95	10.18	34.71
AV	11.64996G	44.75	54.00	-9.25	30.33	3	Vertical	27	2.01	-	38.95	10.18	34.71
PK	17.47562G	63.48	68.20	-4.72	43.56	3	Vertical	21	1.80	-	42.33	12.15	34.56

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

11/06/2020



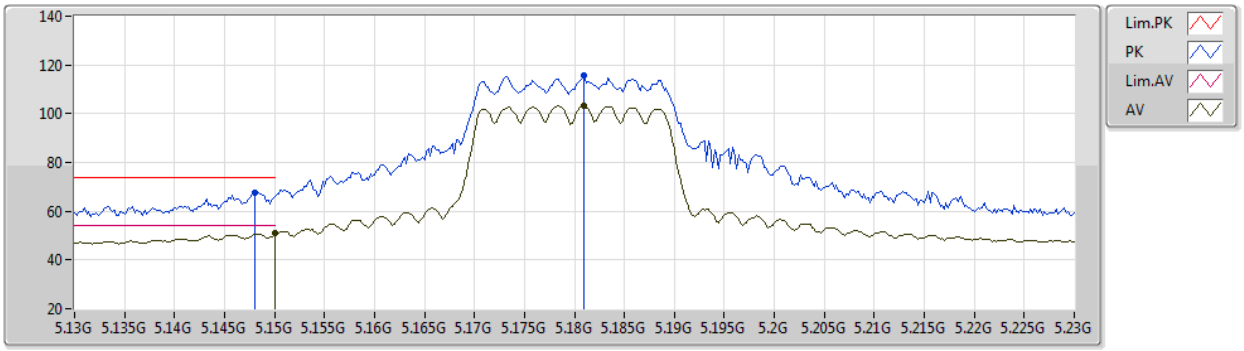
EUT Y_4TX
Setting 92
03-A-J-7

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	11.65003G	57.37	74.00	-16.63	42.94	3	Horizontal	61	2.87	-	38.96	10.18	34.71
AV	11.64991G	44.53	54.00	-9.47	30.11	3	Horizontal	61	2.87	-	38.95	10.18	34.71
PK	17.47682G	63.77	68.20	-4.43	43.85	3	Horizontal	0	1.80	-	42.33	12.15	34.56

802.11ax HEW20_Nss1,(MCS0)_2TX

11/06/2020

5180MHz_TX



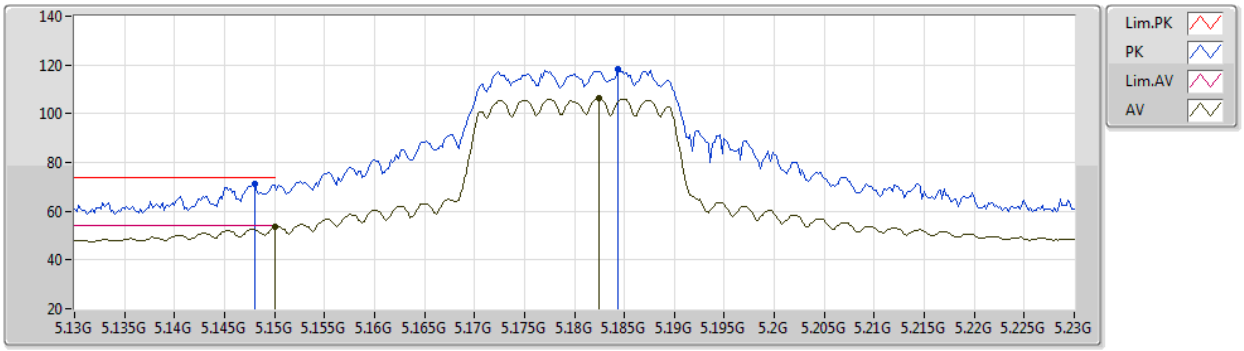
EUT Y_2TX
Setting 82
03-A-J-7-10

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	5.148G	67.69	74.00	-6.31	61.68	3	Vertical	286	2.67	-	34.05	6.73	34.77
AV	5.15G	50.80	54.00	-3.20	44.79	3	Vertical	286	2.67	-	34.05	6.73	34.77
PK	5.181G	115.46	Inf	-Inf	109.42	3	Vertical	286	2.67	-	34.08	6.76	34.80
AV	5.181G	103.12	Inf	-Inf	97.08	3	Vertical	286	2.67	-	34.08	6.76	34.80

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

11/06/2020



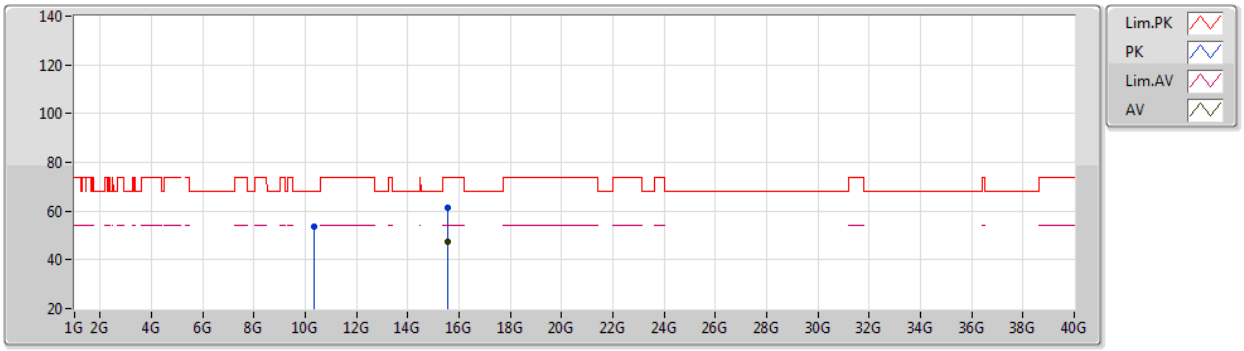
EUT Y_2TX
Setting 82
03-A-J-7-10

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	5.148G	71.16	74.00	-2.84	65.15	3	Horizontal	351	1.37	-	34.05	6.73	34.77
AV	5.15G	53.72	54.00	-0.28	47.72	3	Horizontal	351	1.37	-	34.05	6.73	34.78
PK	5.1844G	118.03	Inf	-Inf	111.99	3	Horizontal	351	1.37	-	34.08	6.76	34.80
AV	5.1824G	106.36	Inf	-Inf	100.32	3	Horizontal	351	1.37	-	34.08	6.76	34.80

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

11/06/2020



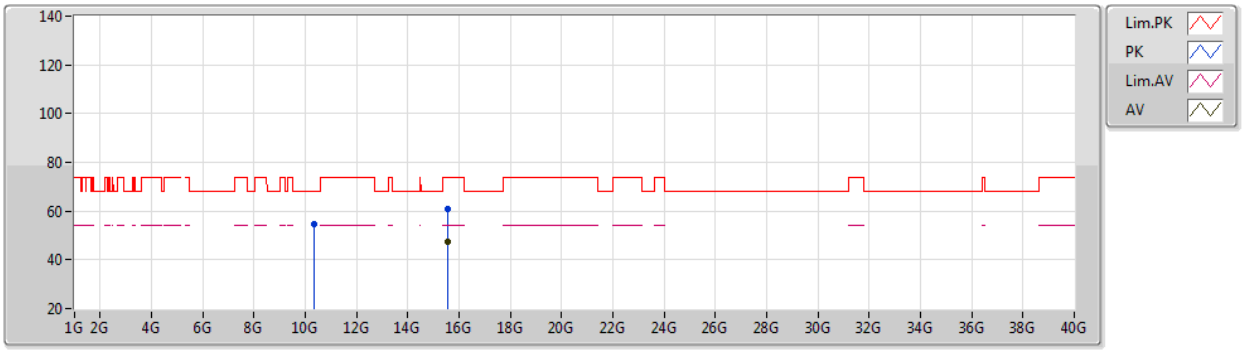
EUT Y_2TX
Setting 82
03-A-J-7

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	10.35916G	53.60	68.20	-14.60	40.21	3	Vertical	165	2.01	-	38.37	10.00	34.98
PK	15.54014G	61.48	74.00	-12.52	45.77	3	Vertical	91	1.24	-	38.88	11.63	34.80
AV	15.53652G	47.65	54.00	-6.35	31.93	3	Vertical	91	1.24	-	38.89	11.62	34.79

802.11ax HEW20_Nss1,(MCS0)_2TX

5180MHz_TX

11/06/2020



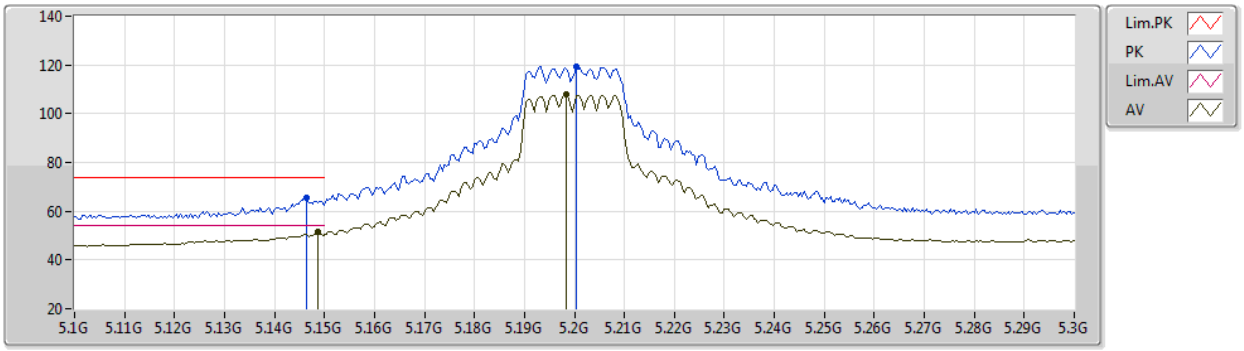
EUT Y_2TX
Setting 82
03-A-J-7

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	10.35935G	54.84	68.20	-13.36	41.45	3	Horizontal	153	2.89	-	38.37	10.00	34.98
PK	15.5418G	60.80	74.00	-13.20	45.10	3	Horizontal	191	2.55	-	38.87	11.63	34.80
AV	15.54266G	47.65	54.00	-6.35	31.95	3	Horizontal	191	2.55	-	38.87	11.63	34.80

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

11/06/2020



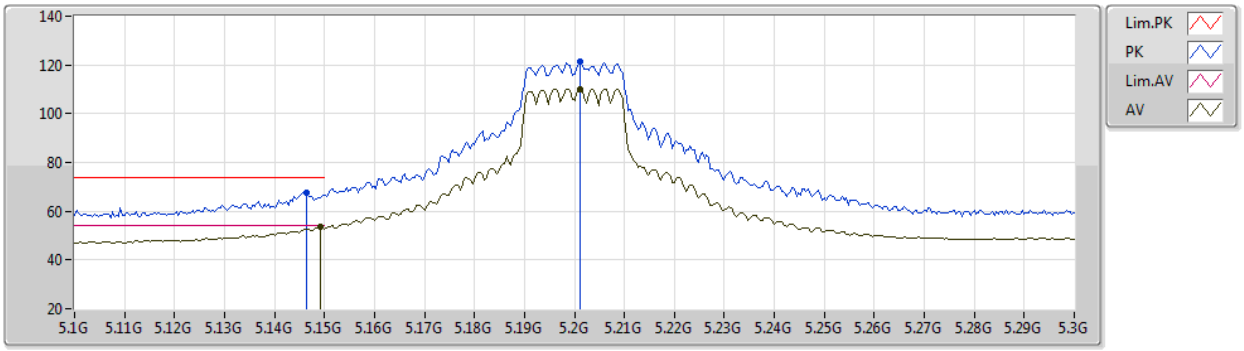
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.1464G	65.70	74.00	-8.30	61.11	3	Vertical	279	2.55	-	33.90	6.02	35.33
AV	5.1488G	51.49	54.00	-2.51	46.89	3	Vertical	279	2.55	-	33.90	6.03	35.33
PK	5.2004G	119.38	Inf	-Inf	114.65	3	Vertical	279	2.55	-	33.90	6.10	35.27
AV	5.1984G	107.72	Inf	-Inf	102.99	3	Vertical	279	2.55	-	33.90	6.10	35.27

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

11/06/2020



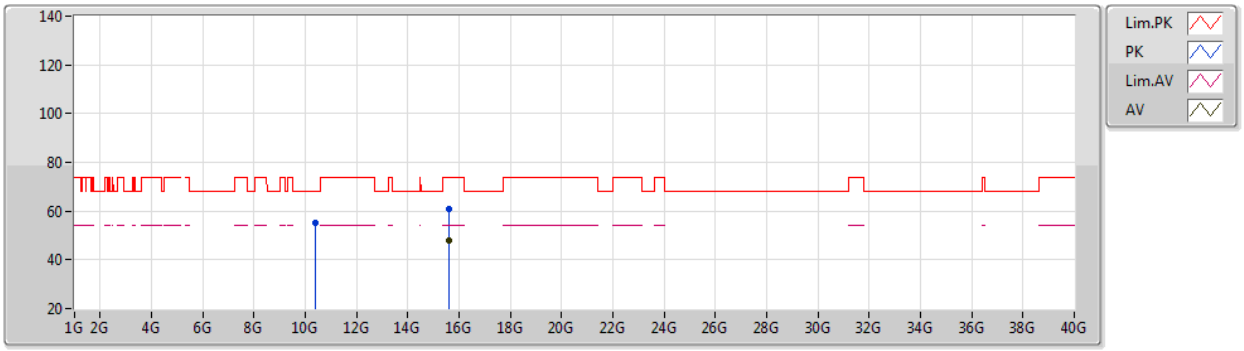
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.1464G	67.54	74.00	-6.46	62.95	3	Horizontal	171	1.75	-	33.90	6.02	35.33
AV	5.1492G	53.77	54.00	-0.23	49.17	3	Horizontal	171	1.75	-	33.90	6.03	35.33
PK	5.2012G	121.46	Inf	-Inf	116.73	3	Horizontal	171	1.75	-	33.90	6.10	35.27
AV	5.2012G	110.18	Inf	-Inf	105.45	3	Horizontal	171	1.75	-	33.90	6.10	35.27

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

11/06/2020



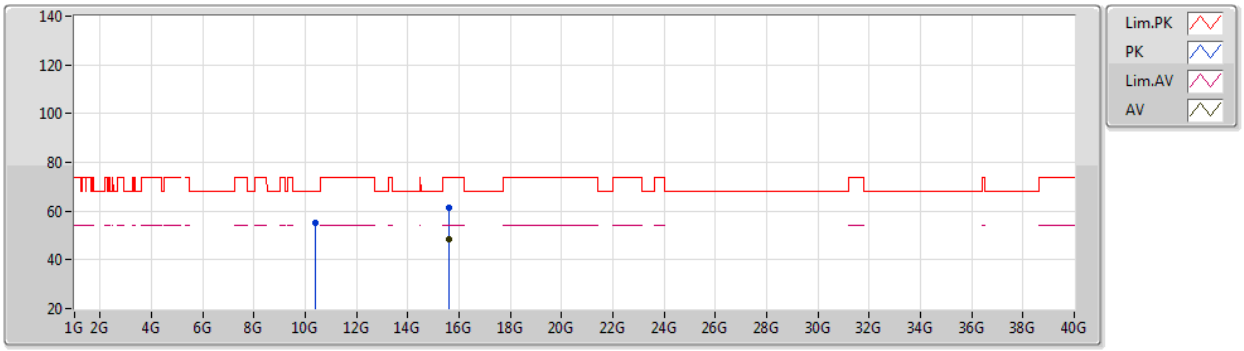
EUT Y_2TX
Setting 100
03-A-J-7

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	10.3998G	55.04	68.20	-13.16	41.37	3	Vertical	243	2.65	-	38.34	10.25	34.92
PK	15.59996G	60.88	74.00	-13.12	44.98	3	Vertical	171	2.59	-	38.70	12.05	34.85
AV	15.59936G	47.72	54.00	-6.28	31.82	3	Vertical	171	2.59	-	38.70	12.05	34.85

802.11ax HEW20_Nss1,(MCS0)_2TX

5200MHz_TX

11/06/2020



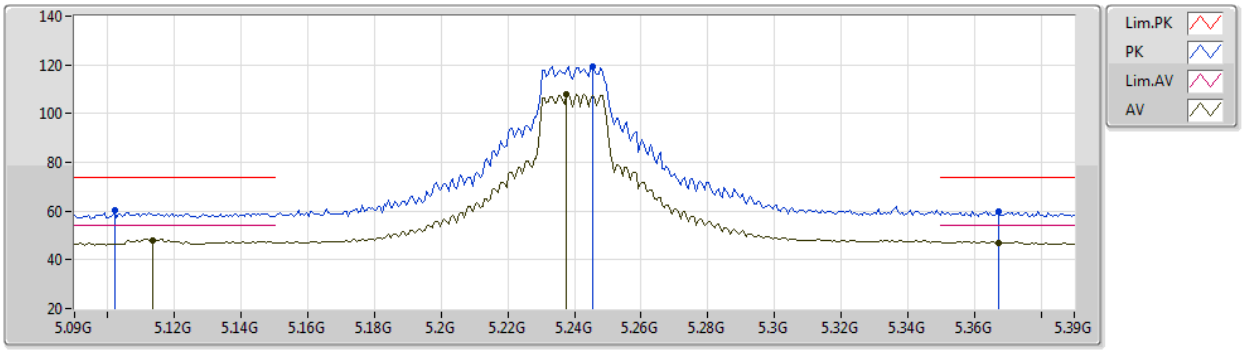
EUT Y_2TX
Setting 100
03-A-J-7

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	10.40014G	54.99	68.20	-13.21	41.32	3	Horizontal	28	2.83	-	38.34	10.25	34.92
PK	15.59961G	61.25	74.00	-12.75	45.35	3	Horizontal	188	1.62	-	38.70	12.05	34.85
AV	15.60002G	48.27	54.00	-5.73	32.37	3	Horizontal	188	1.62	-	38.70	12.05	34.85

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

11/06/2020



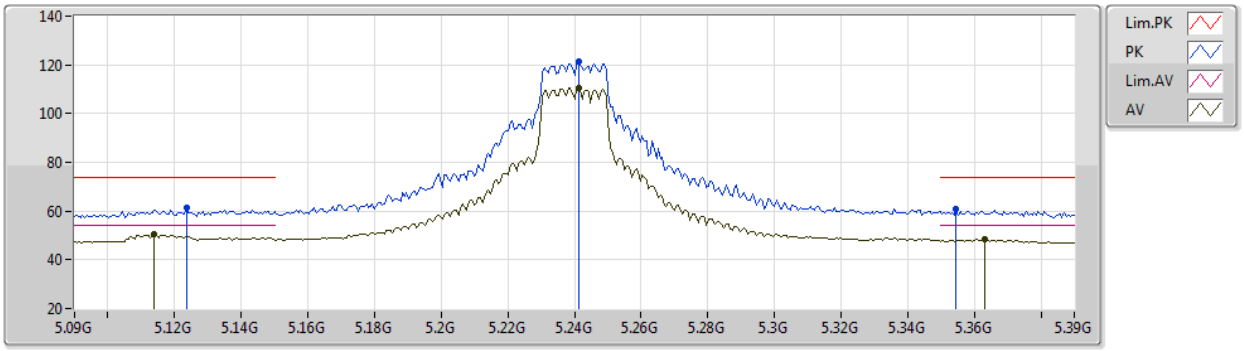
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.102G	60.12	74.00	-13.88	55.64	3	Vertical	275	2.66	-	33.90	5.96	35.38
AV	5.1134G	48.06	54.00	-5.94	43.55	3	Vertical	275	2.66	-	33.90	5.98	35.37
PK	5.2454G	119.37	Inf	-Inf	114.47	3	Vertical	275	2.66	-	34.04	6.08	35.22
AV	5.2376G	107.98	Inf	-Inf	103.11	3	Vertical	275	2.66	-	34.01	6.08	35.22
PK	5.3672G	59.98	74.00	-14.02	54.77	3	Vertical	275	2.66	-	34.27	6.02	35.08
AV	5.3672G	46.99	54.00	-7.01	41.78	3	Vertical	275	2.66	-	34.27	6.02	35.08

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

11/06/2020



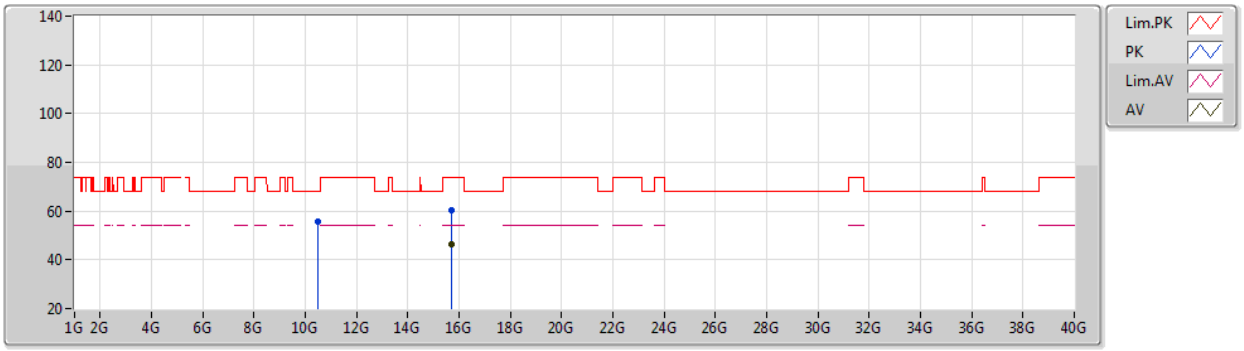
EUT Y_2TX
Setting 100
03-A-J-7-10

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	5.1236G	61.54	74.00	-12.46	57.00	3	Horizontal	174	1.63	-	33.90	5.99	35.35
AV	5.114G	50.45	54.00	-3.55	45.93	3	Horizontal	174	1.63	-	33.90	5.98	35.36
PK	5.2412G	121.32	Inf	-Inf	116.44	3	Horizontal	174	1.63	-	34.02	6.08	35.22
AV	5.2412G	110.39	Inf	-Inf	105.51	3	Horizontal	174	1.63	-	34.02	6.08	35.22
PK	5.3546G	61.04	74.00	-12.96	55.86	3	Horizontal	174	1.63	-	34.25	6.02	35.09
AV	5.363G	48.22	54.00	-5.78	43.02	3	Horizontal	174	1.63	-	34.26	6.02	35.08

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

11/06/2020



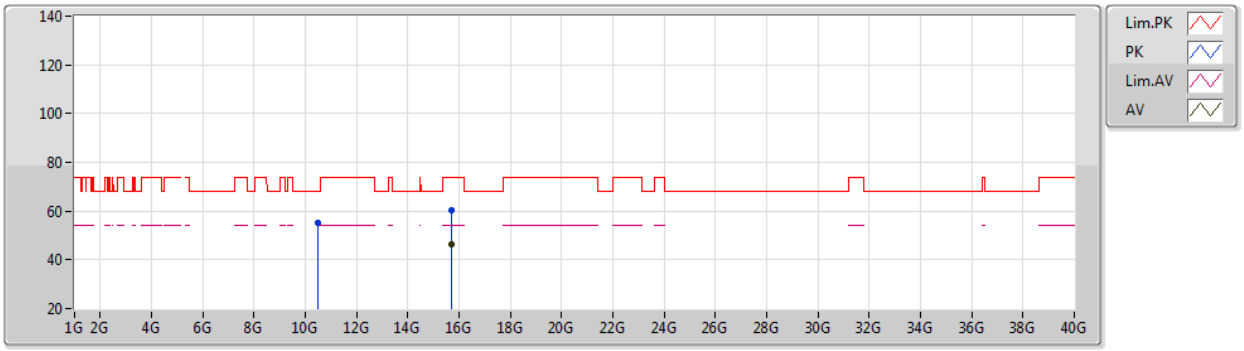
EUT Y_2TX
Setting 100
03-A-J-7

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	10.47941G	55.67	68.20	-12.53	41.89	3	Vertical	56	1.27	-	38.35	10.30	34.87
PK	15.71994G	60.28	74.00	-13.72	44.84	3	Vertical	135	1.02	-	38.34	12.09	34.99
AV	15.71981G	46.44	54.00	-7.56	31.00	3	Vertical	135	1.02	-	38.34	12.09	34.99

802.11ax HEW20_Nss1,(MCS0)_2TX

5240MHz_TX

11/06/2020



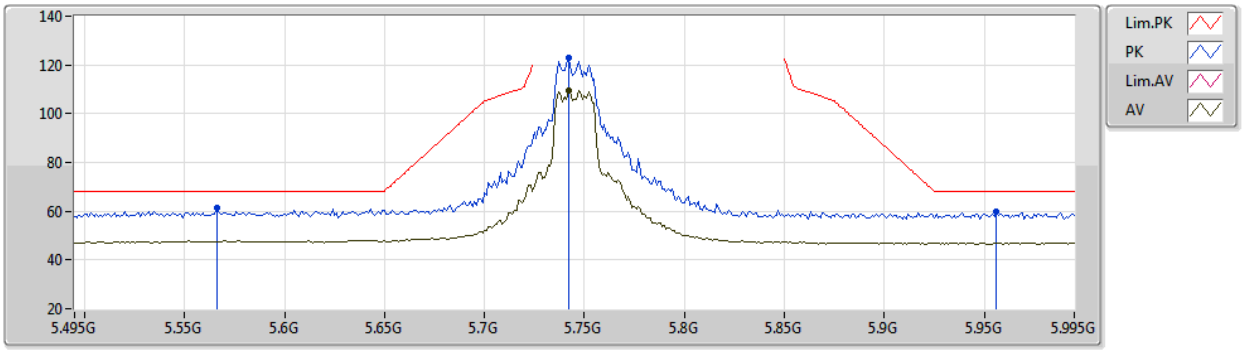
EUT Y_2TX
Setting 100
03-A-J-7

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	10.479G	55.29	68.20	-12.91	41.51	3	Horizontal	263	1.40	-	38.35	10.30	34.87
PK	15.72044G	60.15	74.00	-13.85	44.71	3	Horizontal	110	1.23	-	38.34	12.09	34.99
AV	15.71988G	46.26	54.00	-7.74	30.82	3	Horizontal	110	1.23	-	38.34	12.09	34.99

802.11ax HEW20_Nss1,(MCS0)_4TX

11/06/2020

5745MHz_TX



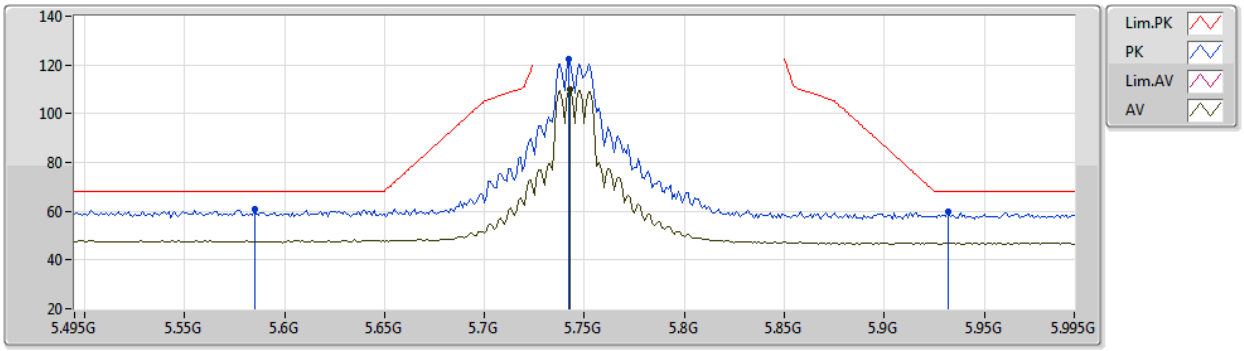
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.566G	61.37	68.20	-6.83	54.91	3	Vertical	54	1.95	-	34.43	7.02	34.99
PK	5.742G	122.74	Inf	-Inf	116.35	3	Vertical	54	1.95	-	34.30	7.03	34.94
AV	5.742G	109.61	Inf	-Inf	103.22	3	Vertical	54	1.95	-	34.30	7.03	34.94
PK	5.956G	59.67	68.20	-8.53	52.82	3	Vertical	54	1.95	-	34.67	7.06	34.88

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

11/06/2020



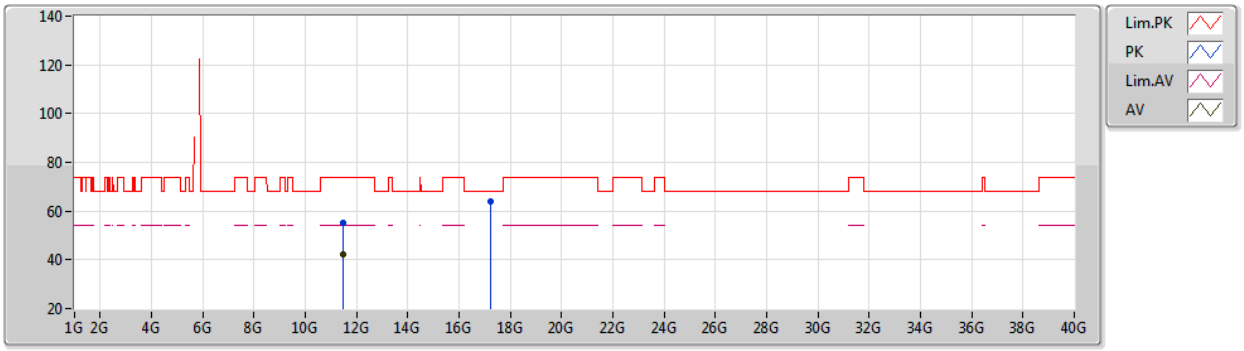
EUT Y_4TX
Setting 92
03-A-J-7-10

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	5.585G	60.64	68.20	-7.56	54.19	3	Horizontal	124	1.96	-	34.41	7.02	34.98
PK	5.742G	122.18	Inf	-Inf	115.79	3	Horizontal	124	1.96	-	34.30	7.03	34.94
AV	5.743G	109.77	Inf	-Inf	103.38	3	Horizontal	124	1.96	-	34.30	7.03	34.94
PK	5.932G	59.63	68.20	-8.57	52.87	3	Horizontal	124	1.96	-	34.60	7.05	34.89

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

11/06/2020



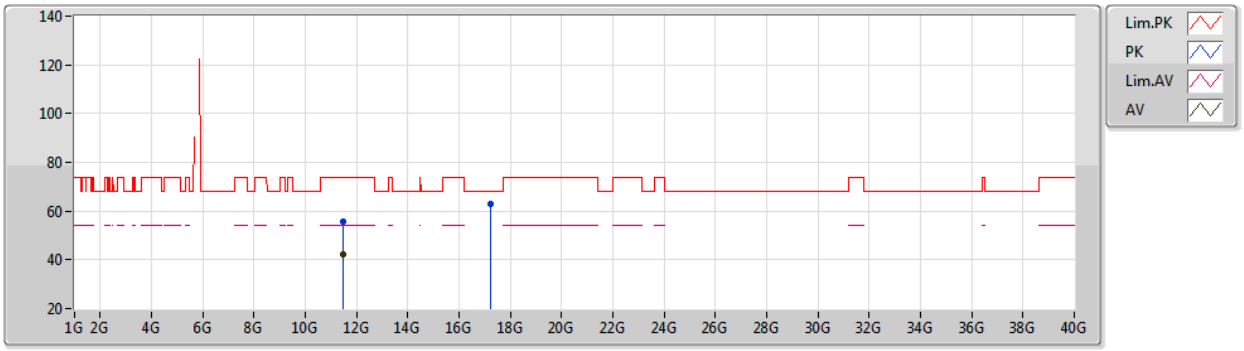
EUT Y_4TX
Setting 92
03-A-J-7

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	11.48956G	55.32	74.00	-18.68	41.00	3	Vertical	213	2.68	-	38.84	10.16	34.68
AV	11.4902G	42.15	54.00	-11.85	27.83	3	Vertical	213	2.68	-	38.84	10.16	34.68
PK	17.23542G	63.90	68.20	-4.30	45.29	3	Vertical	325	2.85	-	41.10	12.09	34.58

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

11/06/2020



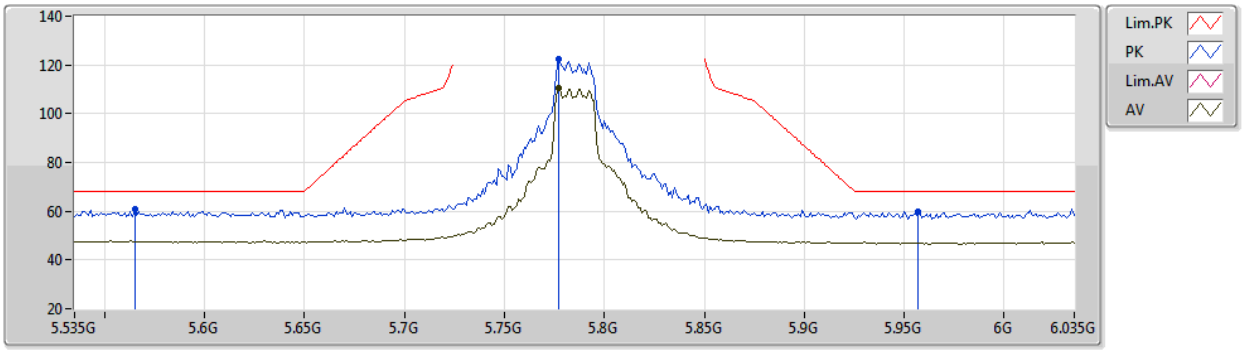
EUT Y_4TX
Setting 92
03-A-J-7

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	11.49053G	55.67	74.00	-18.33	41.35	3	Horizontal	87	1.19	-	38.84	10.16	34.68
AV	11.49056G	42.18	54.00	-11.82	27.86	3	Horizontal	87	1.19	-	38.84	10.16	34.68
PK	17.2356G	63.16	68.20	-5.04	44.55	3	Horizontal	12	1.80	-	41.10	12.09	34.58

802.11ax HEW20_Nss1,(MCS0)_4TX

11/06/2020

5785MHz_TX



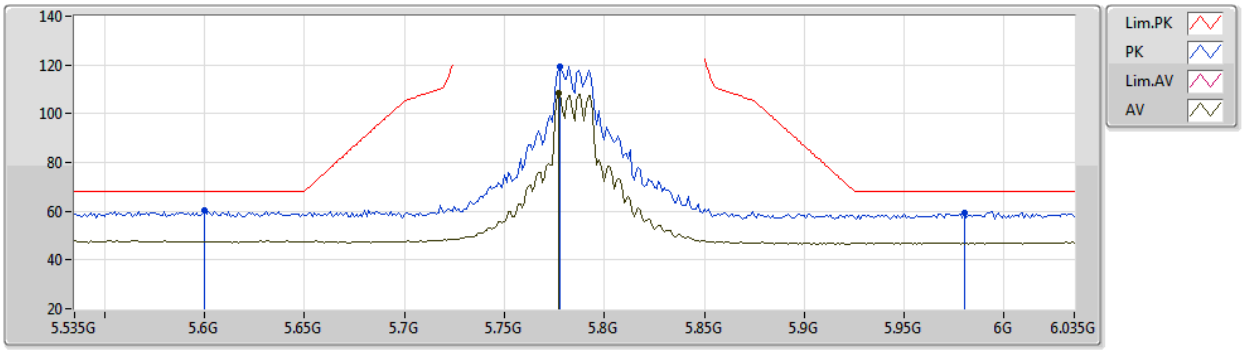
EUT Y_4TX
Setting 92
03-A-J-7

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	5.565G	60.72	68.20	-7.48	54.25	3	Vertical	48	1.69	-	34.44	7.02	34.99
PK	5.777G	122.35	Inf	-Inf	115.94	3	Vertical	48	1.69	-	34.30	7.04	34.93
AV	5.777G	110.60	Inf	-Inf	104.19	3	Vertical	48	1.69	-	34.30	7.04	34.93
PK	5.957G	59.90	68.20	-8.30	53.05	3	Vertical	48	1.69	-	34.67	7.06	34.88

802.11ax HEW20_Nss1,(MCS0)_4TX

11/06/2020

5785MHz_TX



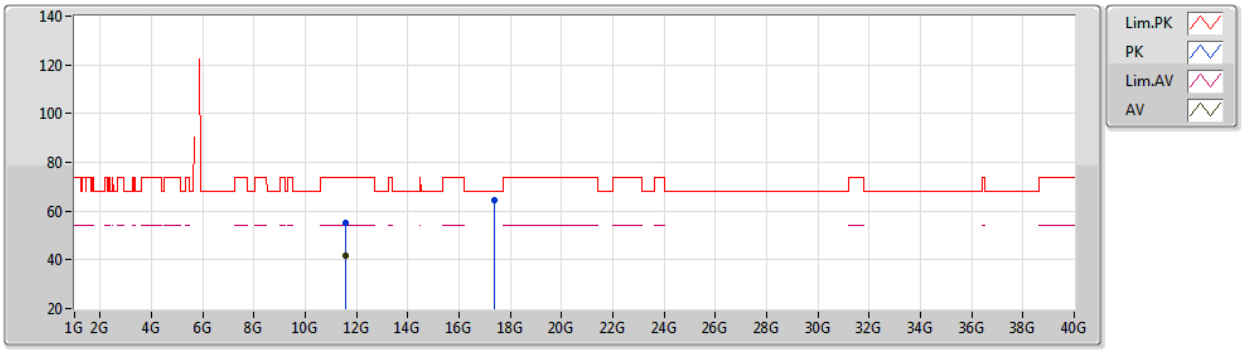
EUT Y_4TX
Setting 92
03-A-J-7

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	5.6G	60.16	68.20	-8.04	53.72	3	Horizontal	120	1.75	-	34.40	7.02	34.98
PK	5.778G	119.34	Inf	-Inf	112.93	3	Horizontal	120	1.75	-	34.30	7.04	34.93
AV	5.777G	108.51	Inf	-Inf	102.10	3	Horizontal	120	1.75	-	34.30	7.04	34.93
PK	5.98G	59.20	68.20	-9.00	52.28	3	Horizontal	120	1.75	-	34.74	7.06	34.88

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

11/06/2020



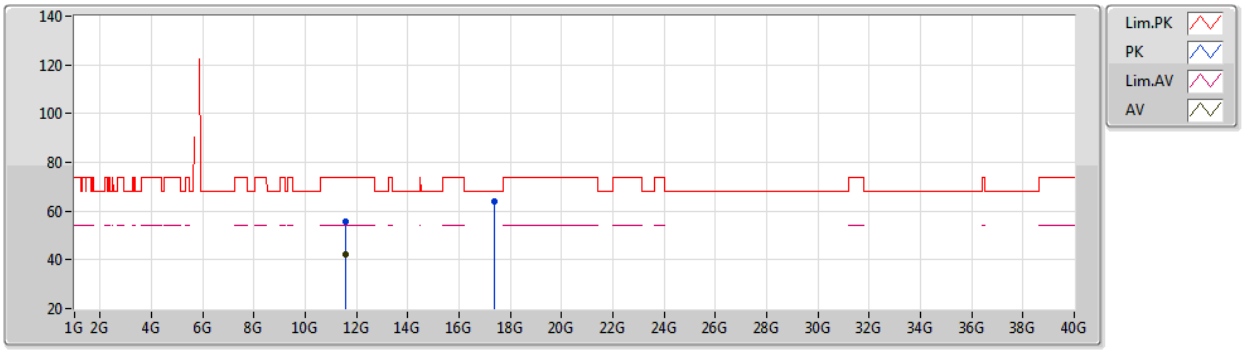
EUT Y_4TX
Setting 92
03-A-J-7

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	11.56939G	54.98	74.00	-19.02	40.60	3	Vertical	163	1.72	-	38.90	10.17	34.69
AV	11.56927G	41.91	54.00	-12.09	27.53	3	Vertical	163	1.72	-	38.90	10.17	34.69
PK	17.35294G	64.35	68.20	-3.85	45.10	3	Vertical	12	2.35	-	41.70	12.12	34.57

802.11ax HEW20_Nss1,(MCS0)_4TX

11/06/2020

5785MHz_TX



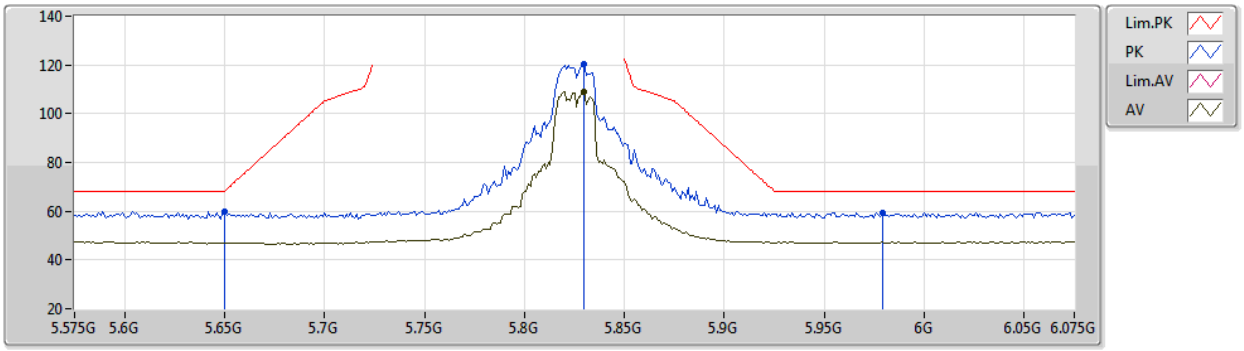
EUT Y_4TX
Setting 92
03-A-J-7

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	11.56937G	55.51	74.00	-18.49	41.13	3	Horizontal	358	1.97	-	38.90	10.17	34.69
AV	11.5704G	42.09	54.00	-11.91	27.71	3	Horizontal	358	1.97	-	38.90	10.17	34.69
PK	17.35848G	64.07	68.20	-4.13	44.79	3	Horizontal	170	1.64	-	41.73	12.12	34.57

802.11ax HEW20_Nss1,(MCS0)_4TX

11/06/2020

5825MHz_TX



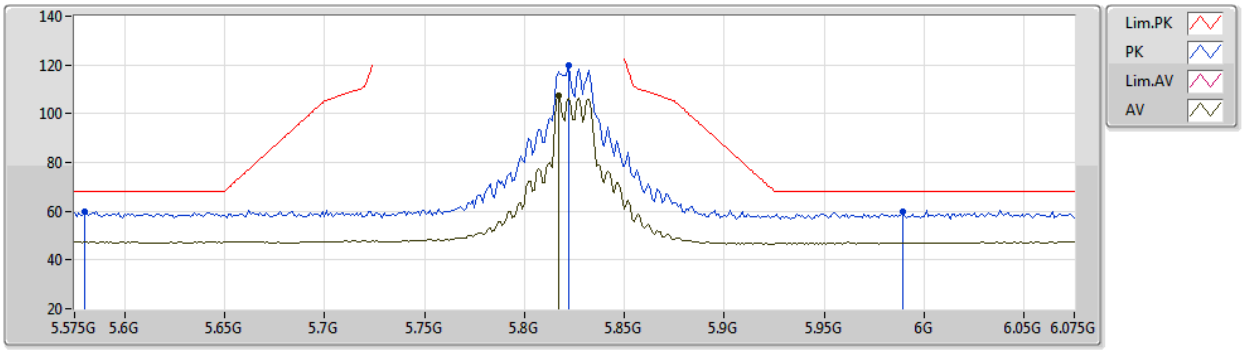
EUT Y_4TX
Setting 92
03-A-J-7-10

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	60.06	68.20	-8.14	53.65	3	Vertical	31	1.68	-	34.35	7.03	34.97
PK	5.83G	120.54	Inf	-Inf	114.06	3	Vertical	31	1.68	-	34.36	7.04	34.92
AV	5.83G	109.17	Inf	-Inf	102.69	3	Vertical	31	1.68	-	34.36	7.04	34.92
PK	5.979G	59.49	68.20	-8.71	52.57	3	Vertical	31	1.68	-	34.74	7.06	34.88

802.11ax HEW20_Nss1,(MCS0)_4TX

11/06/2020

5825MHz_TX



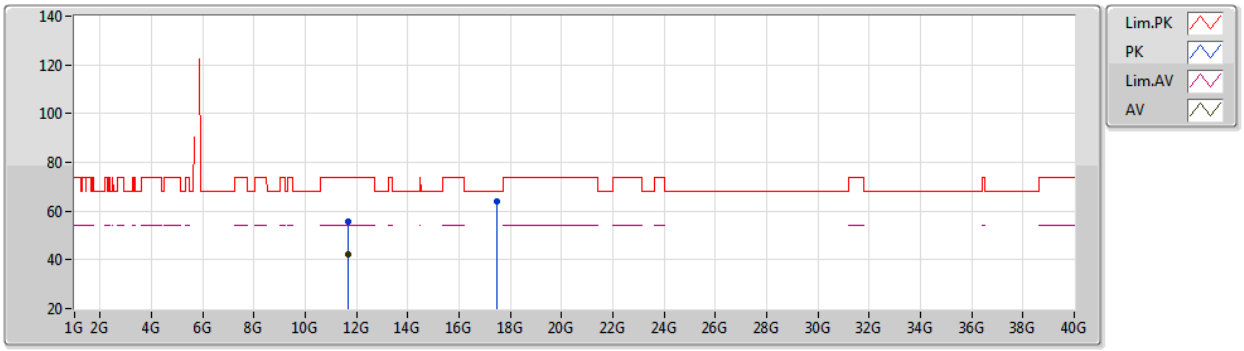
EUT Y_4TX
Setting 92
03-A-J-7-10

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	59.72	68.20	-8.48	53.27	3	Horizontal	122	3.00	-	34.42	7.02	34.99
PK	5.822G	119.66	Inf	-Inf	113.20	3	Horizontal	122	3.00	-	34.34	7.04	34.92
AV	5.817G	107.36	Inf	-Inf	100.91	3	Horizontal	122	3.00	-	34.33	7.04	34.92
PK	5.989G	59.99	68.20	-8.21	53.03	3	Horizontal	122	3.00	-	34.77	7.06	34.87

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

11/06/2020



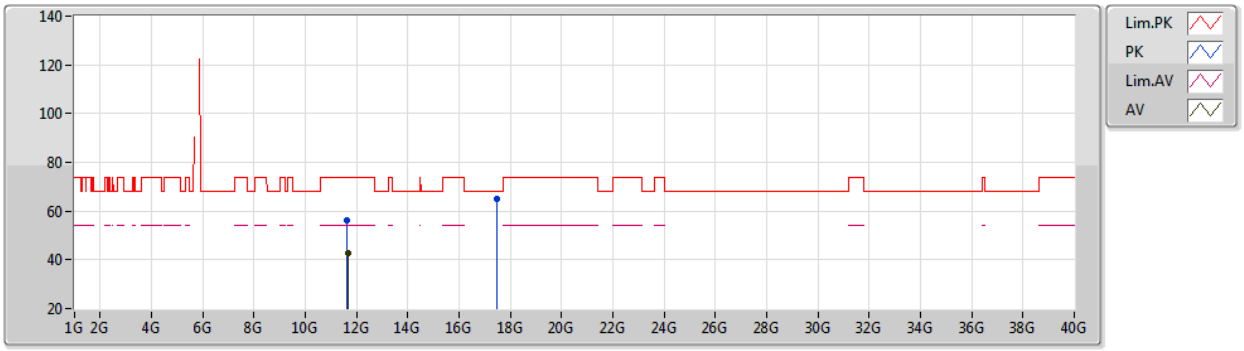
EUT Y_4TX
Setting 92
03-A-J-7

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	11.6506G	55.52	74.00	-18.48	41.09	3	Vertical	156	1.92	-	38.96	10.18	34.71
AV	11.64982G	42.39	54.00	-11.61	27.97	3	Vertical	156	1.92	-	38.95	10.18	34.71
PK	17.47774G	64.14	68.20	-4.06	44.21	3	Vertical	203	1.15	-	42.34	12.15	34.56

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

11/06/2020



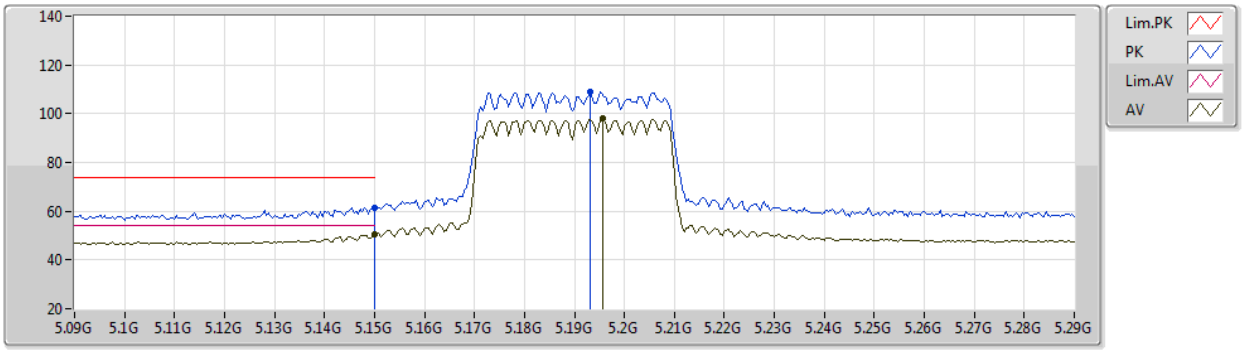
EUT Y_4TX
Setting 92
03-A-J-7

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	11.64754G	56.06	74.00	-17.94	41.64	3	Horizontal	92	2.47	-	38.95	10.18	34.71
AV	11.65366G	42.88	54.00	-11.12	28.45	3	Horizontal	92	2.47	-	38.96	10.18	34.71
PK	17.47398G	64.95	68.20	-3.25	45.04	3	Horizontal	138	1.34	-	42.32	12.15	34.56

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

11/06/2020



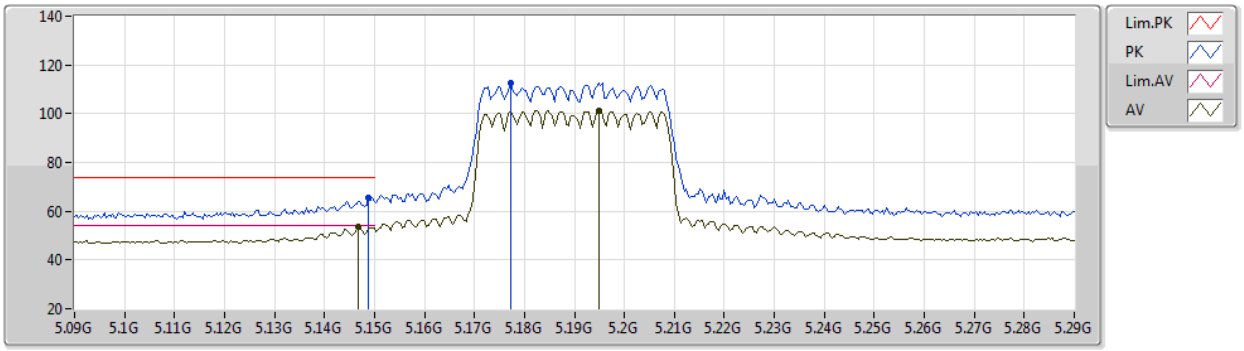
EUT Y_2TX
Setting 69
03-A-N-2-10

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	5.15G	61.42	74.00	-12.58	55.41	3	Vertical	281	2.59	-	34.05	6.73	34.77
AV	5.15G	50.75	54.00	-3.25	44.74	3	Vertical	281	2.59	-	34.05	6.73	34.77
PK	5.1932G	109.11	Inf	-Inf	103.06	3	Vertical	281	2.59	-	34.09	6.77	34.81
AV	5.1956G	97.94	Inf	-Inf	91.88	3	Vertical	281	2.59	-	34.10	6.77	34.81

802.11ax HEW40_Nss1,(MCS0)_2TX

11/06/2020

5190MHz_TX



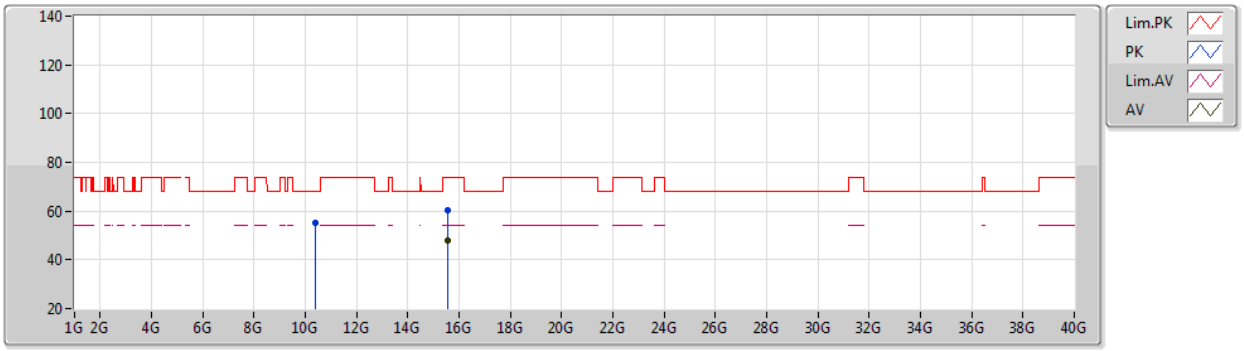
EUT Y_2TX
Setting 69
03-A-N-2-10

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	5.1488G	65.27	74.00	-8.73	59.26	3	Horizontal	347	1.36	-	34.05	6.73	34.77
AV	5.1468G	53.81	54.00	-0.19	47.80	3	Horizontal	347	1.36	-	34.05	6.73	34.77
PK	5.1772G	112.65	Inf	-Inf	106.61	3	Horizontal	347	1.36	-	34.08	6.75	34.79
AV	5.1948G	101.26	Inf	-Inf	95.21	3	Horizontal	347	1.36	-	34.09	6.77	34.81

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

11/06/2020



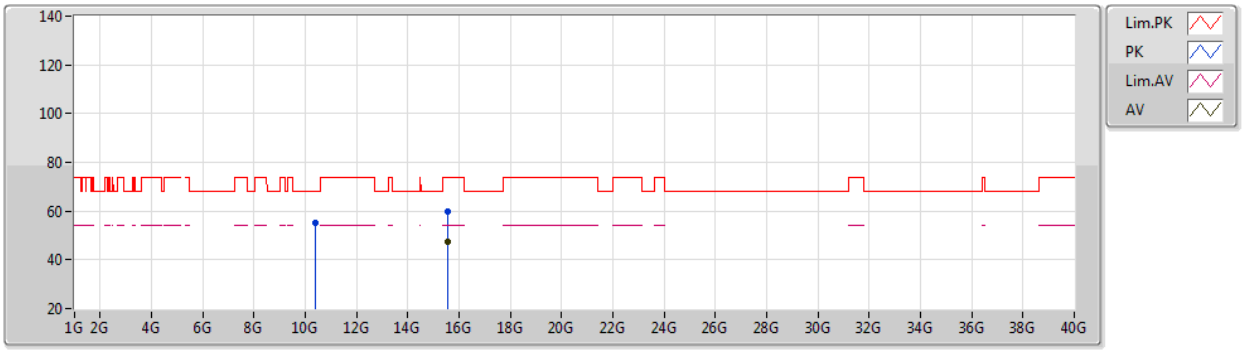
EUT Y_2TX
Setting 69
03-A-N-2

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	10.37742G	55.12	68.20	-13.08	41.71	3	Vertical	227	1.98	-	38.38	10.00	34.97
PK	15.57198G	60.47	74.00	-13.53	44.88	3	Vertical	360	2.22	-	38.78	11.64	34.83
AV	15.57334G	47.78	54.00	-6.22	32.19	3	Vertical	360	2.22	-	38.78	11.64	34.83

802.11ax HEW40_Nss1,(MCS0)_2TX

5190MHz_TX

11/06/2020



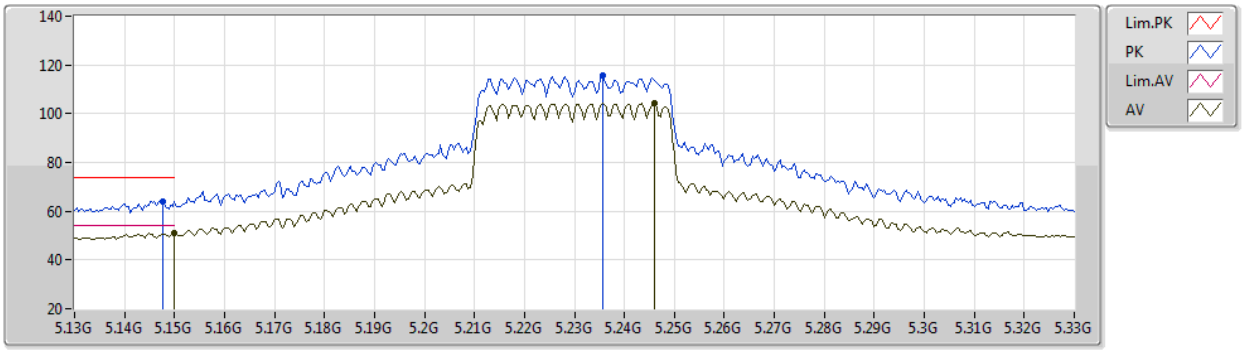
EUT Y_2TX
Setting 69
03-A-N-2

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	10.37512G	54.96	68.20	-13.24	41.55	3	Horizontal	170	2.21	-	38.38	10.00	34.97
PK	15.57046G	59.80	74.00	-14.20	44.20	3	Horizontal	92	1.80	-	38.79	11.64	34.83
AV	15.56566G	47.58	54.00	-6.42	31.97	3	Horizontal	92	1.80	-	38.80	11.64	34.83

802.11ax HEW40_Nss1,(MCS0)_2TX

11/06/2020

5230MHz_TX



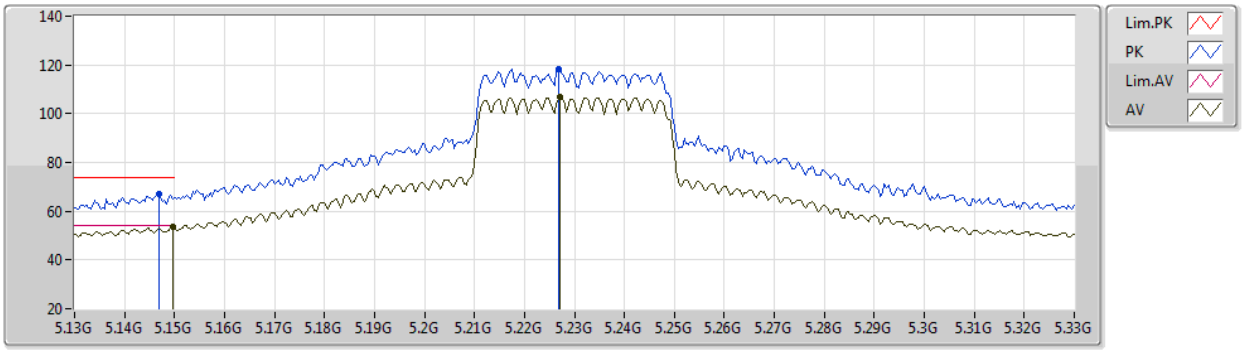
EUT Y_2TX
Setting 92
03-A-N-2-10

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	5.1476G	64.09	74.00	-9.91	58.08	3	Vertical	283	2.54	-	34.05	6.73	34.77
AV	5.15G	51.09	54.00	-2.91	45.08	3	Vertical	283	2.54	-	34.05	6.73	34.77
PK	5.2356G	115.91	Inf	-Inf	109.77	3	Vertical	283	2.54	-	34.17	6.80	34.83
AV	5.246G	104.24	Inf	-Inf	98.08	3	Vertical	283	2.54	-	34.19	6.81	34.84

802.11ax HEW40_Nss1,(MCS0)_2TX

11/06/2020

5230MHz_TX



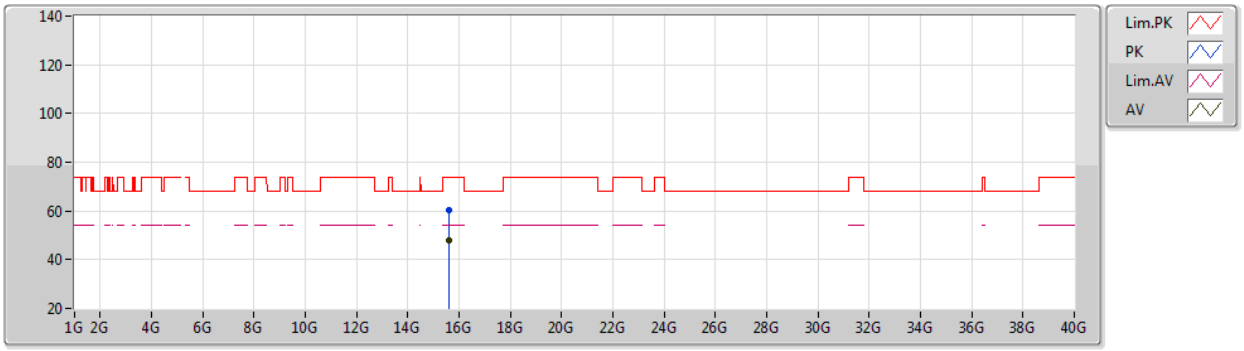
EUT Y_2TX
Setting 92
03-A-N-2-10

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	5.1468G	66.99	74.00	-7.01	60.98	3	Horizontal	357	2.21	-	34.05	6.73	34.77
AV	5.1496G	53.76	54.00	-0.24	47.75	3	Horizontal	357	2.21	-	34.05	6.73	34.77
PK	5.2268G	118.49	Inf	-Inf	112.38	3	Horizontal	357	2.21	-	34.15	6.79	34.83
AV	5.2272G	106.73	Inf	-Inf	100.62	3	Horizontal	357	2.21	-	34.15	6.79	34.83

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

11/06/2020



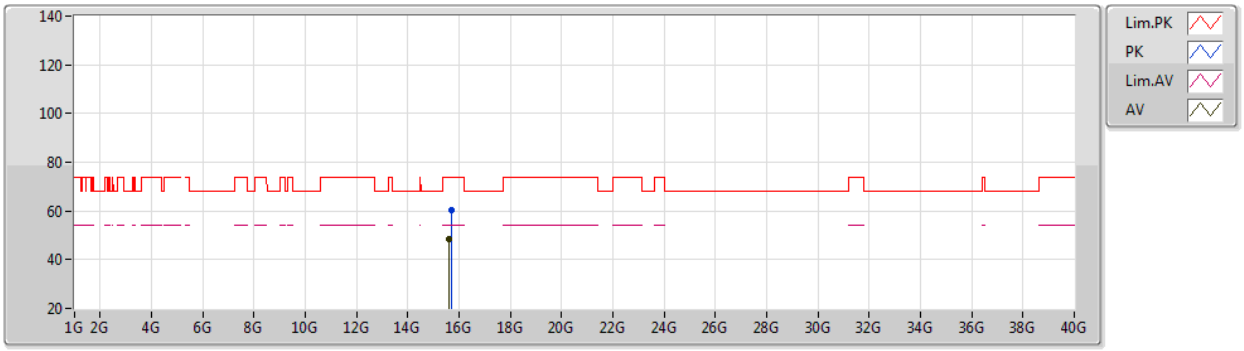
EUT Y_2TX
Setting 92
03-A-N-2

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	15.6052G	60.29	74.00	-13.71	44.82	3	Vertical	360	2.62	-	38.68	11.66	34.87
AV	15.6052G	48.16	54.00	-5.84	32.69	3	Vertical	360	2.62	-	38.68	11.66	34.87

802.11ax HEW40_Nss1,(MCS0)_2TX

5230MHz_TX

11/06/2020



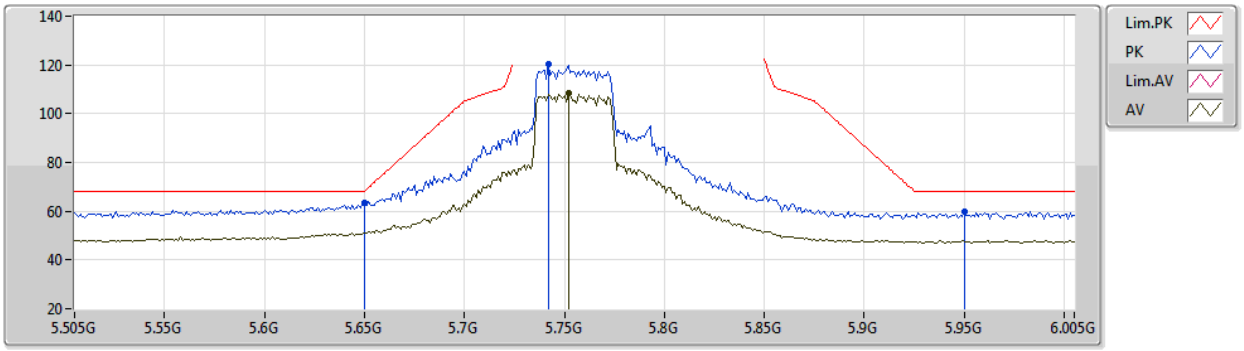
EUT Y_2TX
Setting 92
03-A-N-2

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	15.6948G	60.25	74.00	-13.75	45.10	3	Horizontal	232	1.26	-	38.42	11.70	34.97
AV	15.608G	48.30	54.00	-5.70	32.83	3	Horizontal	232	1.26	-	38.68	11.66	34.87

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5755MHz_TX



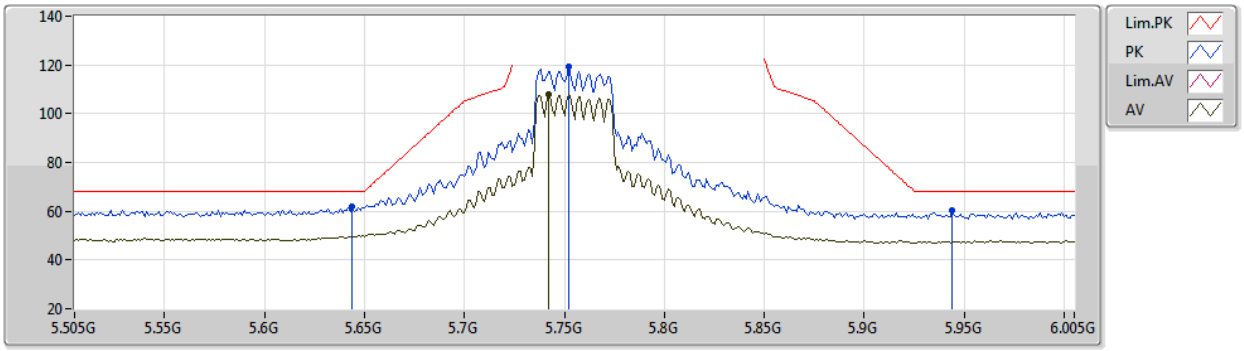
EUT Y_4TX
Setting 92
03-A-N-2-10

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	5.65G	63.70	68.20	-4.50	57.29	3	Vertical	52	2.12	-	34.35	7.03	34.97
PK	5.742G	120.09	Inf	-Inf	113.70	3	Vertical	52	2.12	-	34.30	7.03	34.94
AV	5.752G	108.24	Inf	-Inf	101.84	3	Vertical	52	2.12	-	34.30	7.04	34.94
PK	5.95G	59.73	68.20	-8.47	52.91	3	Vertical	52	2.12	-	34.65	7.05	34.88

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5755MHz_TX



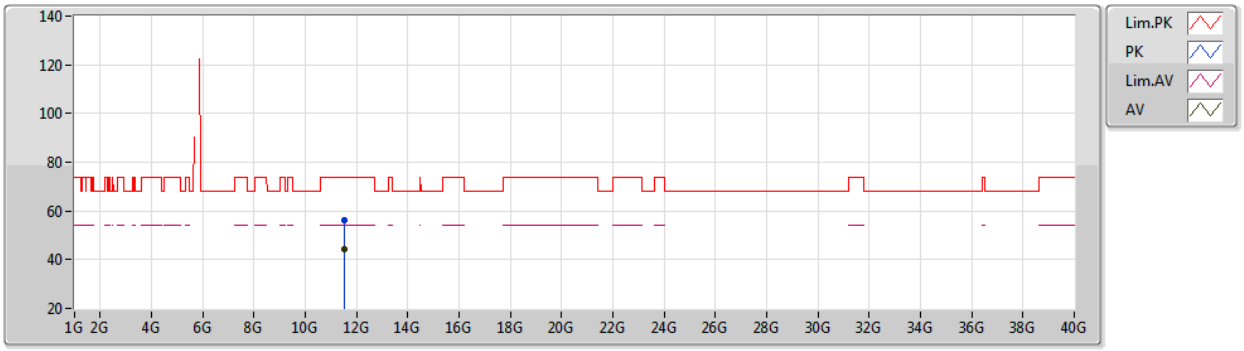
EUT Y_4TX
Setting 92
03-A-N-2-10

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	5.644G	61.72	68.20	-6.48	55.31	3	Horizontal	107	2.95	-	34.36	7.02	34.97
PK	5.752G	119.20	Inf	-Inf	112.80	3	Horizontal	107	2.95	-	34.30	7.04	34.94
AV	5.742G	108.02	Inf	-Inf	101.63	3	Horizontal	107	2.95	-	34.30	7.03	34.94
PK	5.944G	60.15	68.20	-8.05	53.36	3	Horizontal	107	2.95	-	34.63	7.05	34.89

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5755MHz_TX



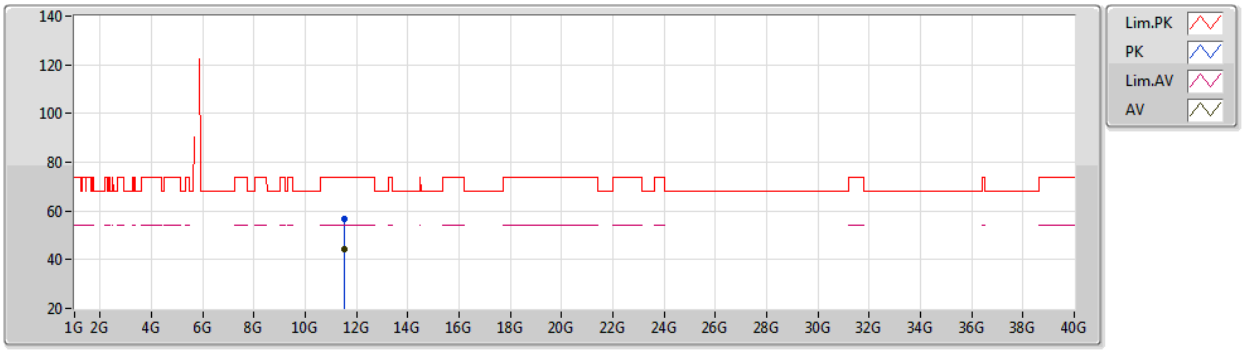
EUT Y_4TX
Setting 92
03-A-N-2

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	11.50956G	56.30	74.00	-17.70	41.95	3	Vertical	25	2.36	-	38.86	10.17	34.68
AV	11.50996G	44.48	54.00	-9.52	30.13	3	Vertical	25	2.36	-	38.86	10.17	34.68

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5755MHz_TX



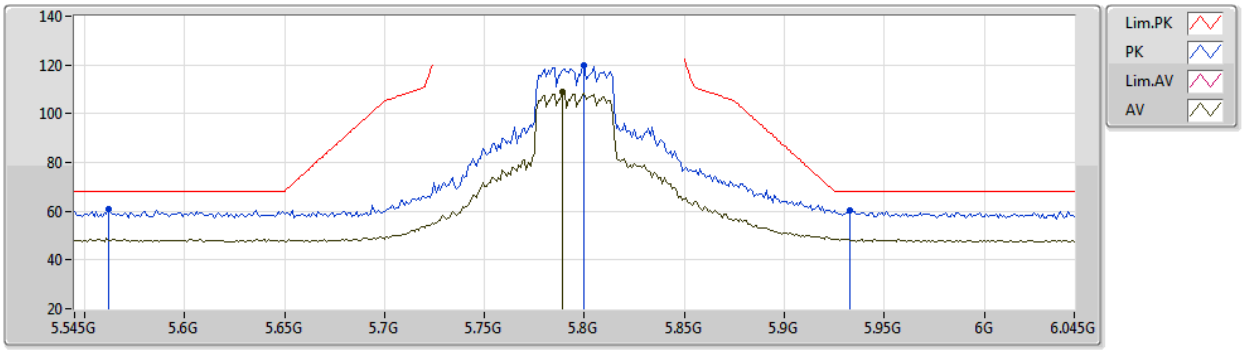
EUT Y_4TX
Setting 92
03-A-N-2

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	11.50408G	56.56	74.00	-17.44	42.22	3	Horizontal	54	1.80	-	38.85	10.17	34.68
AV	11.50988G	44.34	54.00	-9.66	29.99	3	Horizontal	54	1.80	-	38.86	10.17	34.68

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5795MHz_TX



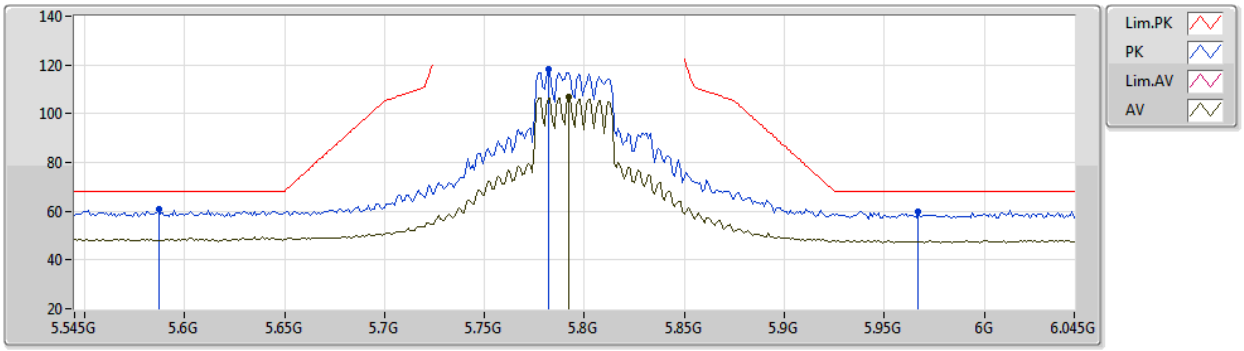
EUT Y_4TX
Setting 92
03-A-N-2-10

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	5.562G	60.61	68.20	-7.59	54.14	3	Vertical	36	1.65	-	34.44	7.02	34.99
PK	5.8G	119.77	Inf	-Inf	113.36	3	Vertical	36	1.65	-	34.30	7.04	34.93
AV	5.789G	109.01	Inf	-Inf	102.60	3	Vertical	36	1.65	-	34.30	7.04	34.93
PK	5.933G	60.54	68.20	-7.66	53.78	3	Vertical	36	1.65	-	34.60	7.05	34.89

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5795MHz_TX



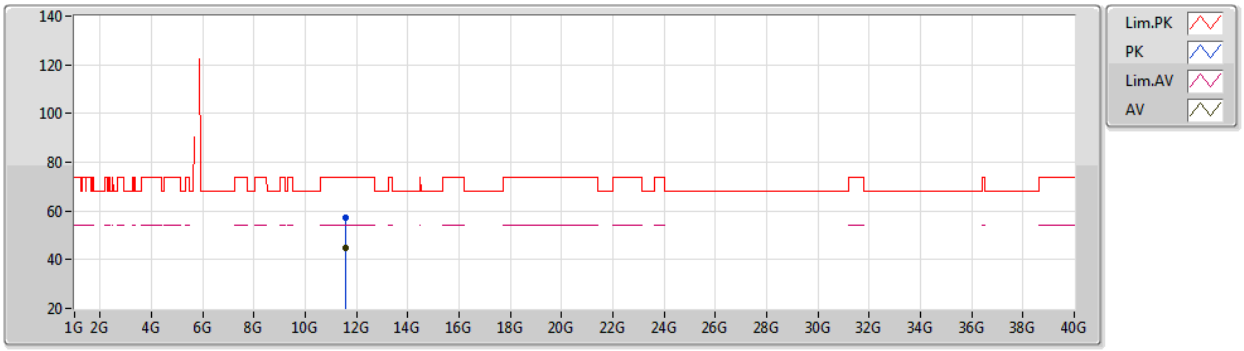
EUT Y_4TX
Setting 92
03-A-N-2-10

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	5.587G	60.62	68.20	-7.58	54.17	3	Horizontal	119	1.79	-	34.41	7.02	34.98
PK	5.782G	118.29	Inf	-Inf	111.88	3	Horizontal	119	1.79	-	34.30	7.04	34.93
AV	5.792G	107.15	Inf	-Inf	100.74	3	Horizontal	119	1.79	-	34.30	7.04	34.93
PK	5.967G	59.69	68.20	-8.51	52.81	3	Horizontal	119	1.79	-	34.70	7.06	34.88

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

11/06/2020



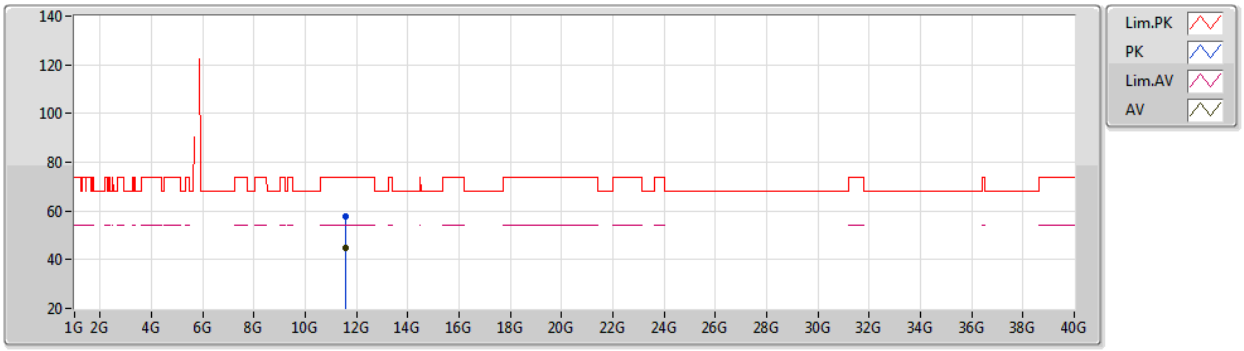
EUT Y_4TX
Setting 92
03-A-N-2

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	11.5928G	57.36	74.00	-16.64	42.97	3	Vertical	30	2.01	-	38.91	10.18	34.70
AV	11.58972G	45.05	54.00	-8.95	30.66	3	Vertical	30	2.01	-	38.91	10.18	34.70

802.11ax HEW40_Nss1,(MCS0)_4TX

11/06/2020

5795MHz_TX



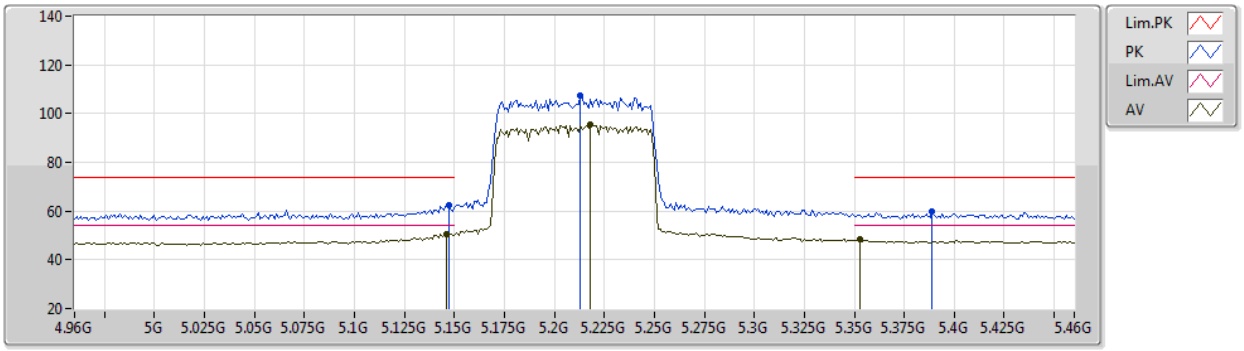
EUT Y_4TX
Setting 92
03-A-N-2

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	11.58622G	57.93	74.00	-16.07	43.54	3	Horizontal	270	1.80	-	38.91	10.18	34.70
AV	11.58856G	44.77	54.00	-9.23	30.38	3	Horizontal	270	1.80	-	38.91	10.18	34.70

802.11ax HEW80_Nss1,(MCS0)_2TX

11/06/2020

5210MHz_TX



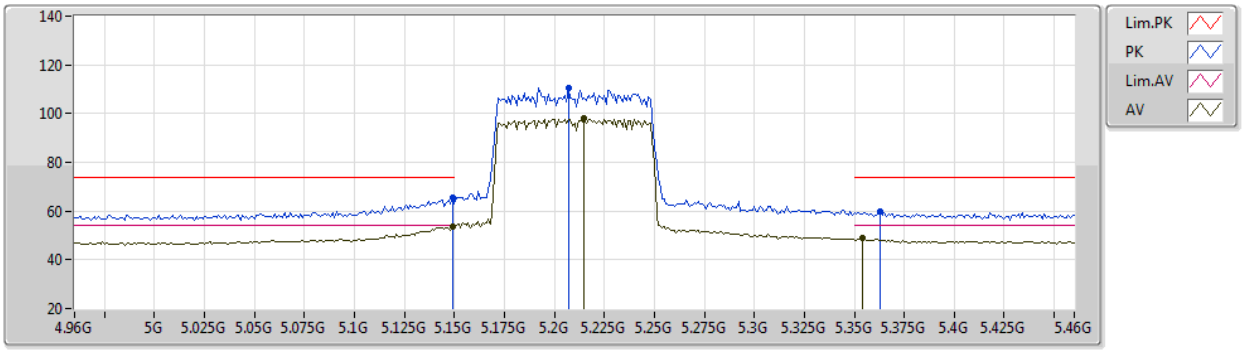
EUT Y_2TX
Setting 70
03-A-N-2-10

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	5.147G	62.25	74.00	-11.75	56.24	3	Vertical	283	2.56	-	34.05	6.73	34.77
AV	5.146G	50.62	54.00	-3.38	44.61	3	Vertical	283	2.56	-	34.05	6.73	34.77
PK	5.213G	107.36	Inf	-Inf	101.27	3	Vertical	283	2.56	-	34.13	6.78	34.82
AV	5.218G	95.26	Inf	-Inf	89.15	3	Vertical	283	2.56	-	34.14	6.79	34.82
PK	5.389G	59.62	74.00	-14.38	53.25	3	Vertical	283	2.56	-	34.39	6.92	34.94
AV	5.353G	48.34	54.00	-5.66	42.01	3	Vertical	283	2.56	-	34.35	6.90	34.92

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

11/06/2020



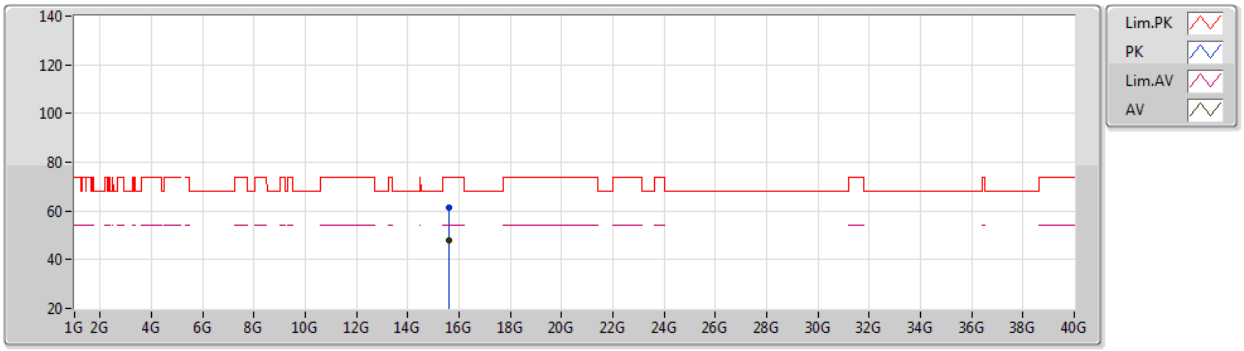
EUT Y_2TX
Setting 70
03-A-N-2-10

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	5.149G	65.46	74.00	-8.54	59.45	3	Horizontal	349	1.56	-	34.05	6.73	34.77
AV	5.149G	53.81	54.00	-0.19	47.80	3	Horizontal	349	1.56	-	34.05	6.73	34.77
PK	5.207G	110.37	Inf	-Inf	104.29	3	Horizontal	349	1.56	-	34.11	6.78	34.81
AV	5.215G	97.99	Inf	-Inf	91.90	3	Horizontal	349	1.56	-	34.13	6.78	34.82
PK	5.363G	59.81	74.00	-14.19	53.47	3	Horizontal	349	1.56	-	34.36	6.90	34.92
AV	5.354G	48.85	54.00	-5.15	42.52	3	Horizontal	349	1.56	-	34.35	6.90	34.92

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

11/06/2020



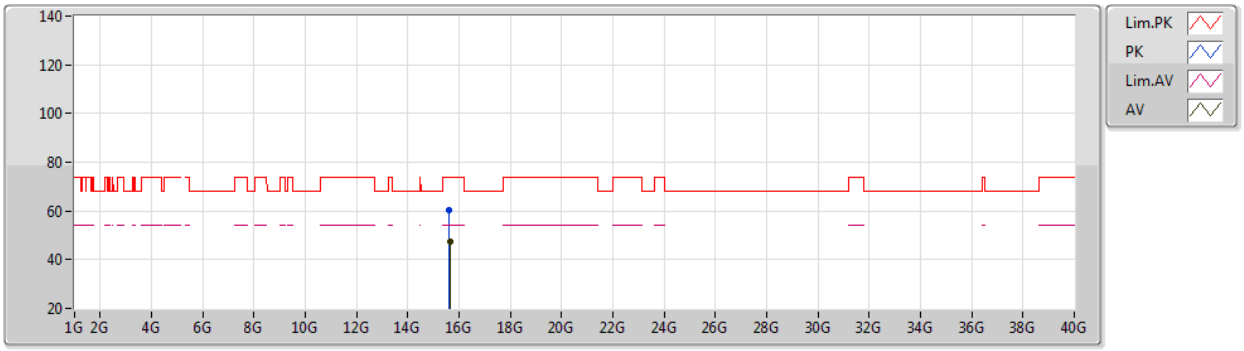
EUT Y_2TX
Setting 70
03-A-N-2

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	15.62518G	61.37	74.00	-12.63	45.97	3	Vertical	61	1.80	-	38.62	11.67	34.89
AV	15.62978G	47.71	54.00	-6.29	32.33	3	Vertical	61	1.80	-	38.61	11.67	34.90

802.11ax HEW80_Nss1,(MCS0)_2TX

5210MHz_TX

11/06/2020



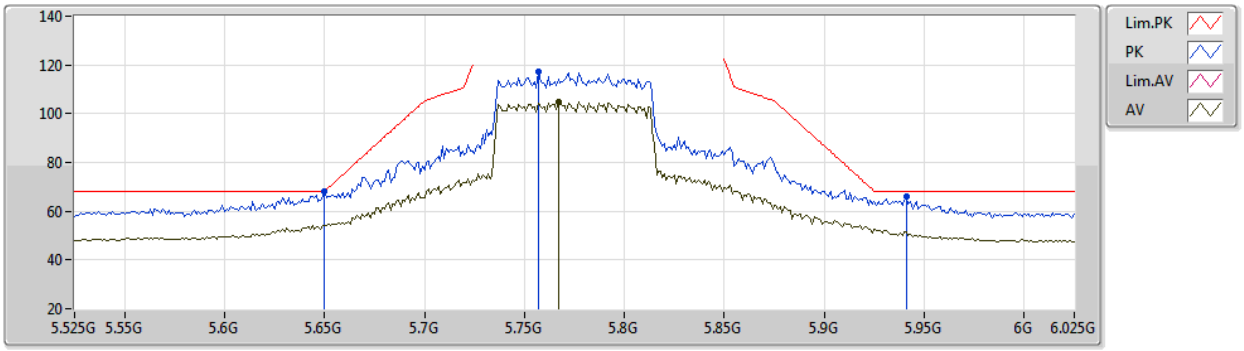
EUT Y_2TX
Setting 70
03-A-N-2

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	15.62788G	60.11	74.00	-13.89	44.71	3	Horizontal	342	1.55	-	38.62	11.67	34.89
AV	15.63374G	47.62	54.00	-6.38	32.25	3	Horizontal	342	1.55	-	38.60	11.67	34.90

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

11/06/2020



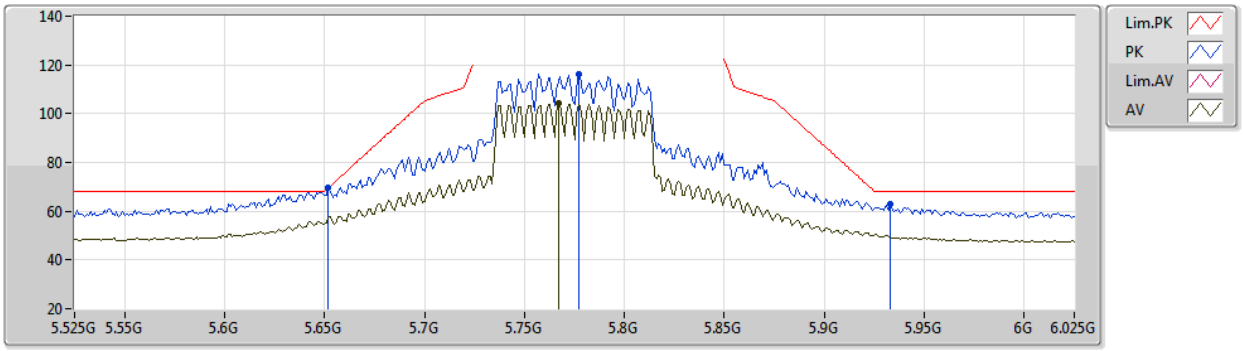
EUT Y_4TX
Setting 92
03-A-N-2-10

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	5.65G	67.85	68.20	-0.35	61.44	3	Vertical	47	1.65	-	34.35	7.03	34.97
PK	5.757G	116.99	Inf	-Inf	110.59	3	Vertical	47	1.65	-	34.30	7.04	34.94
AV	5.767G	104.84	Inf	-Inf	98.44	3	Vertical	47	1.65	-	34.30	7.04	34.94
PK	5.941G	66.28	68.20	-1.92	59.50	3	Vertical	47	1.65	-	34.62	7.05	34.89

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

11/06/2020



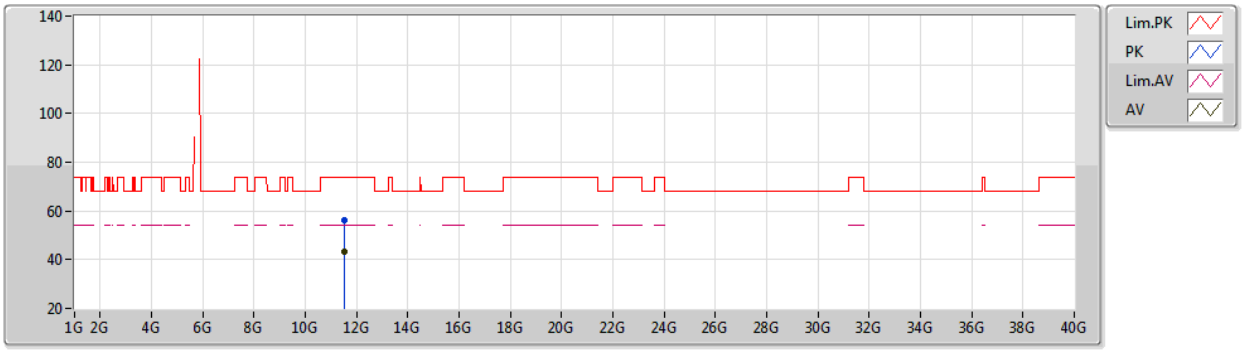
EUT Y_4TX
Setting 92
03-A-N-2-10

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	5.652G	69.61	69.68	-0.07	63.19	3	Horizontal	122	1.99	-	34.35	7.03	34.96
PK	5.777G	116.45	Inf	-Inf	110.04	3	Horizontal	122	1.99	-	34.30	7.04	34.93
AV	5.767G	104.44	Inf	-Inf	98.04	3	Horizontal	122	1.99	-	34.30	7.04	34.94
PK	5.933G	62.93	68.20	-5.27	56.17	3	Horizontal	122	1.99	-	34.60	7.05	34.89

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

11/06/2020



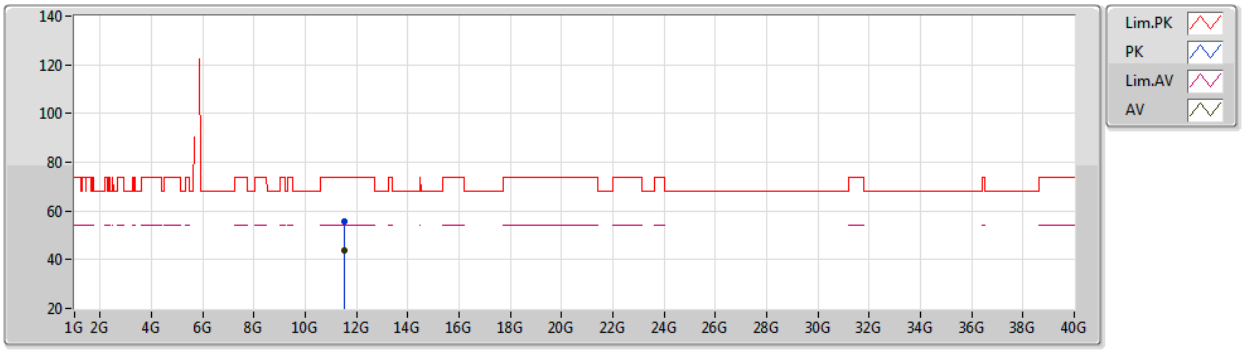
EUT Y_4TX
Setting 92
03-A-N-2

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	11.54732G	56.06	74.00	-17.94	41.70	3	Vertical	292	1.80	-	38.88	10.17	34.69
AV	11.5412G	43.44	54.00	-10.56	29.08	3	Vertical	292	1.80	-	38.88	10.17	34.69

802.11ax HEW80_Nss1,(MCS0)_4TX

11/06/2020

5775MHz_TX



EUT Y_4TX
Setting 92
03-A-N-2

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	11.54484G	55.70	74.00	-18.30	41.34	3	Horizontal	115	1.80	-	38.88	10.17	34.69
AV	11.54128G	43.70	54.00	-10.30	29.34	3	Horizontal	115	1.80	-	38.88	10.17	34.69