RADIO TEST REPORT

FCC ID	:	O2U-8679
Equipment	:	Wireless Access Point
Brand Name	:	cbn
Model Name	:	CH8679
Applicant	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Manufacturer	:	COMPAL BROADBAND NETWORKS,INC. 13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu County 30288, Taiwan, R.O.C.
Standard	:	47 CFR FCC Part 15.407

The product was received on Feb. 03, 2021, and testing was started from Feb. 20, 2021 and completed on Jul. 24, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

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

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR112814-03AB	01	Initial issue of report	Aug. 18, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
Note: Reference to Sporton Project No.: 112814.				

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: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5725-5850		5775	155 [1]

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

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)	
						2.4GHz	5GHz
1	1	CBN	CH8679	PCB Dipole	I-Pex	4.0	-
2	2	CBN	CH8679	PCB Dipole	I-Pex	4.0	-
3	3	CBN	CH8679	PCB PIFA	I-Pex	3.2	-
4	4	CBN	CH8679	PCB PIFA	I-Pex	3.1	-
5	1	CBN	CH8679	PCB Dipole	I-Pex	-	3.5
6	2	CBN	CH8679	PCB Dipole	I-Pex	-	3.5
7	3	CBN	CH8679	PCB Dipole	I-Pex	-	4.9
8	4	CBN	CH8679	PCB Dipole	I-Pex	-	5.3

Note: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b (1TX/1RX):

Only Port 1 can be used as transmitting/receiving.

For IEEE 802.11g/n/VHT/ax (4TX/4RX):

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

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

For 5GHz function:

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

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80	0.976	0.11	942.5u	3k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	DUT GUI V610.32			
Serial Number	520281028900069201120301			

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- 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 Information	
Test Lab.：Sporton International Inc. Hsinchu Laboratory	
Hsinchu (TAF: 3787)	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) TEL: 886-3-656-9065 FAX: 886-3-656-9085 Test site Designation No. TW3787 with FCC. Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.7-25.5 / 54-55	Feb. 25, 2021~ Mar. 11, 2021
Radiated<1GHz	10CH01-CB	Zack Kuo	25~27 / 58~59	Jul. 12, 2021
Radiated > 1GHz	03CH02-CB	Bruce Yang	20.4-21.4 / 55-57	Feb. 20, 2021~ Mar. 24, 2021
	03CH04-CB		20.8-22 / 55-58	
AC Conduction	CO01-CB	Wei Li	22~23 / 54~57	Jul. 09, 2021

1.4 Measurement Uncertainty

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

Test Date: Before May 08, 2021

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%

Test Date: After May 07, 2021

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	19.5
5200MHz	19.5
5240MHz	19.5
5745MHz	24.5
5785MHz	24.5
5825MHz	25
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	19
5200MHz	20
5240MHz	20
5745MHz	24.5
5785MHz	24.5
5825MHz	24.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	15.5
5230MHz	23
5755MHz	24
5795MHz	24.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	14
5775MHz	21

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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + adapter

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power 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	Normal Link
1	EUT + adapter
Operating Mode > 1GHz	CTX

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
Refer to Sporton Test Report No.: FA112814-03 for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	Frecom	F42L1-120350SPAU	Input: 100-240V~50/60Hz, 1.4A Output: 12V, 3.5A
Other			
RJ-45 cable*1, Non-shielded, 1.5m			
Cradle*1			

2.5 Support Equipment

For AC Conduction and Radiated (below 1GHz)::

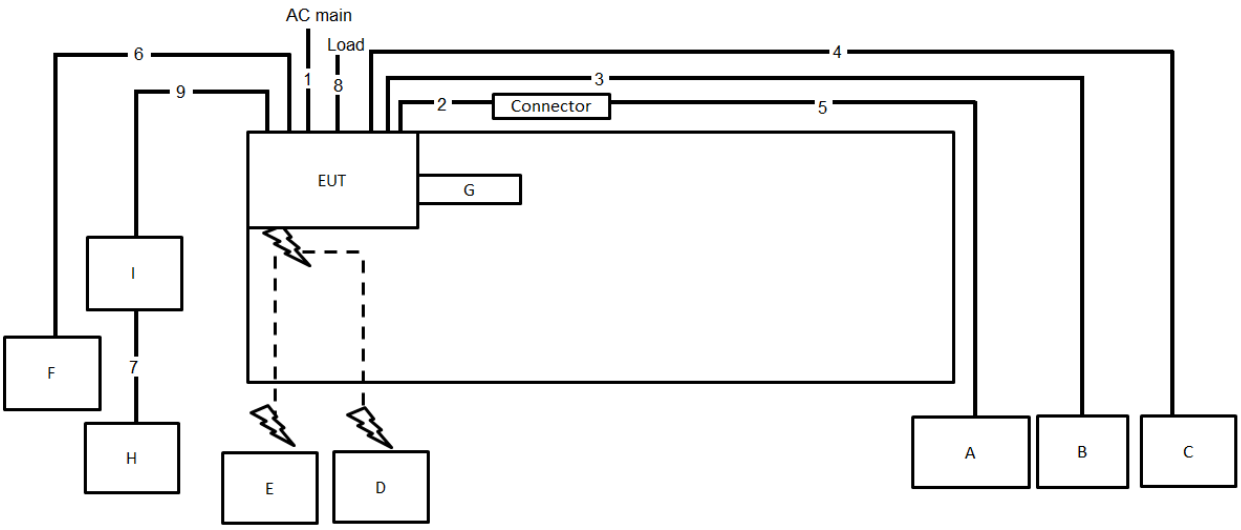
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.5G PC	DELL	T3400	N/A
B	Phone	SAMPO	HT-B 907WL	N/A
C	Phone	SAMPO	HT-B 907WL	N/A
D	2.4G NB	DELL	E6430	N/A
E	5G NB	DELL	E6430	N/A
F	LAN NB	DELL	E6430	N/A
G	Flash disk3.0	Transcend	JetFlash-700	N/A
I	CO	CASA	C2200	N/A
H	CO NB	Lenovo	R400	N/A

For Radiated (above 1GHz) and RF Conducted:

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

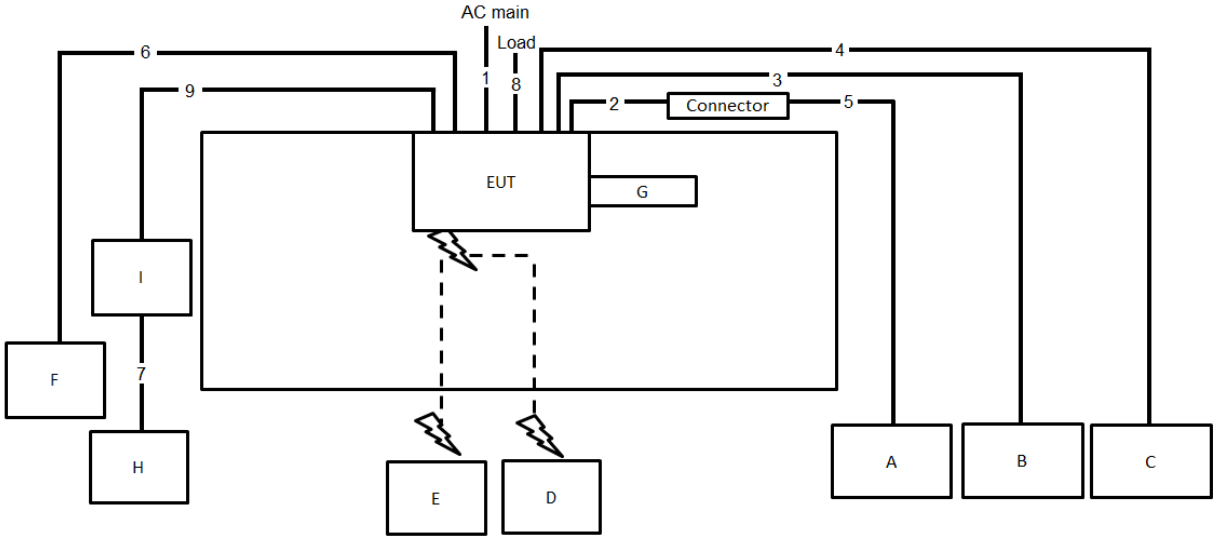
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



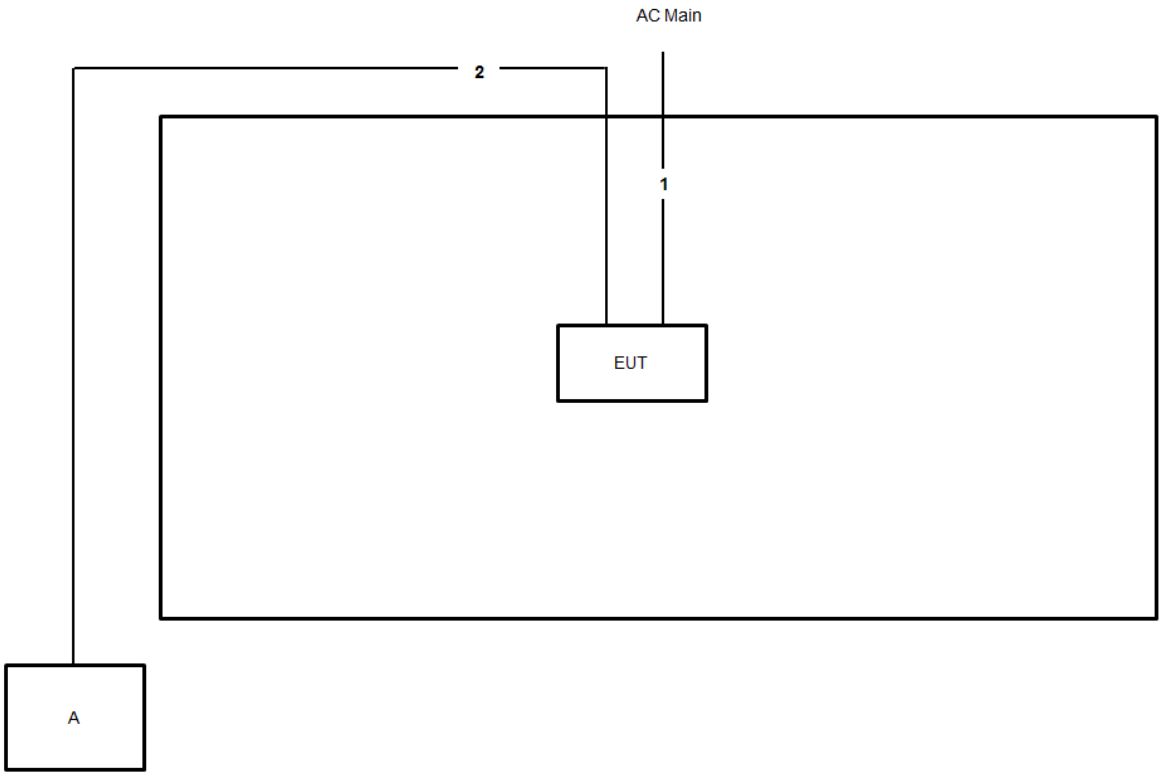
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-11 cable	No	10m
4	RJ-11 cable	No	10m
5	RJ-45 cable	No	10m
6	RJ-45 cable	No	10m
7	RJ-45 cable	No	1.5m
8	RJ-45 cable*3	No	1.5m
9	Coaxial cable	Yes	10m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	1.5m
3	RJ-11 cable	No	10m
4	RJ-11 cable	No	10m
5	RJ-45 cable	No	10m
6	RJ-45 cable	No	10m
7	RJ-45 cable	No	1.5m
8	RJ-45 cable*3	No	1.5m
9	Coaxial cable	Yes	10m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
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

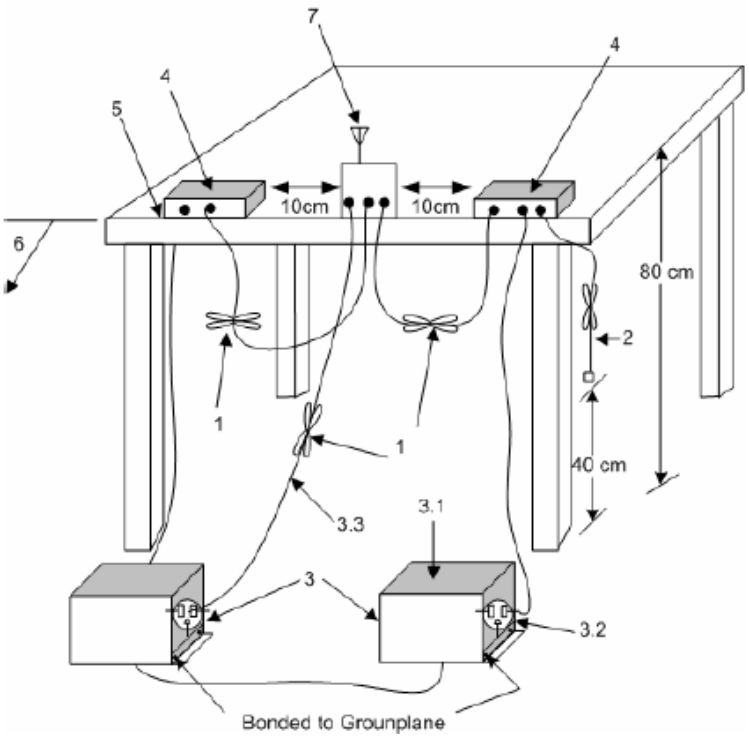
Refer a test equipment and calibration data table in this test report.

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.
☐	For the 5.85-5.895 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

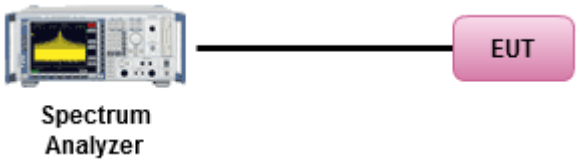
Refer a test equipment and calibration data table in this test report.

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 Output Power

3.3.1 Limit

Maximum 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.
Maximum EIRP Limit	
☐	For the 5.85-5.895 GHz band:
	▪ Indoor AP & subordinate device < 36 dBm
	▪ Client device < 30 dBm
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 Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 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.
EIRP Power Spectral Density Limit	
☐	For the 5.85-5.895 GHz band:
	▪ Indoor AP & subordinate device < 20dBm/MHz
	▪ Client device < 14dBm/MHz
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

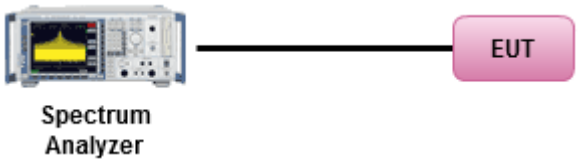
Refer a test equipment and calibration data table in this test report.

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 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.
☐ 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.5.2 Measuring Instruments

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

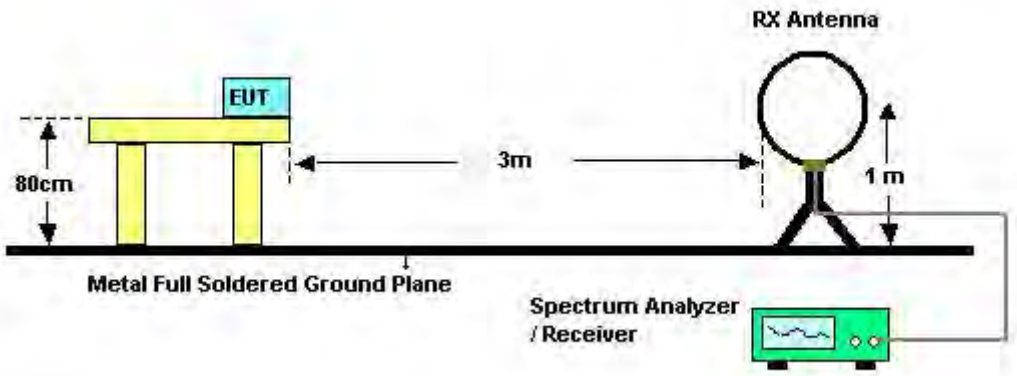
3.5.3 Test Procedures

Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
		☒	Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
		☐	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.			

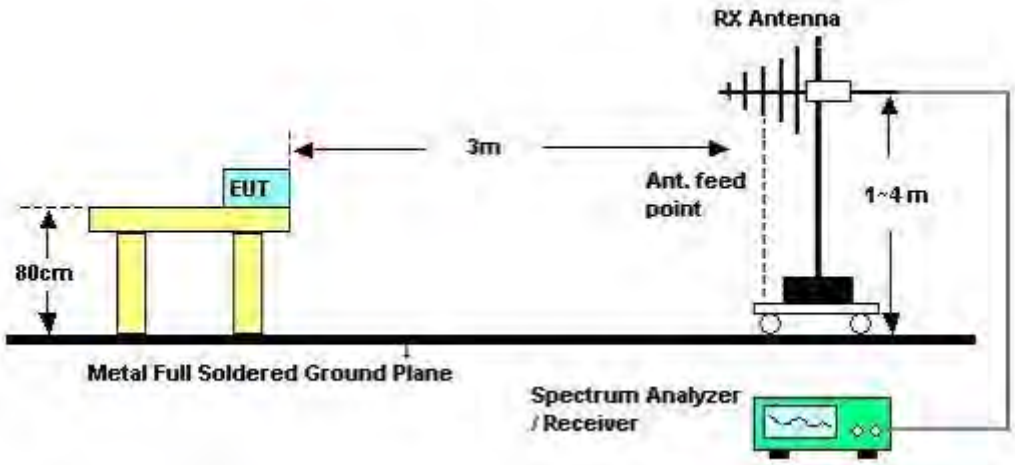
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

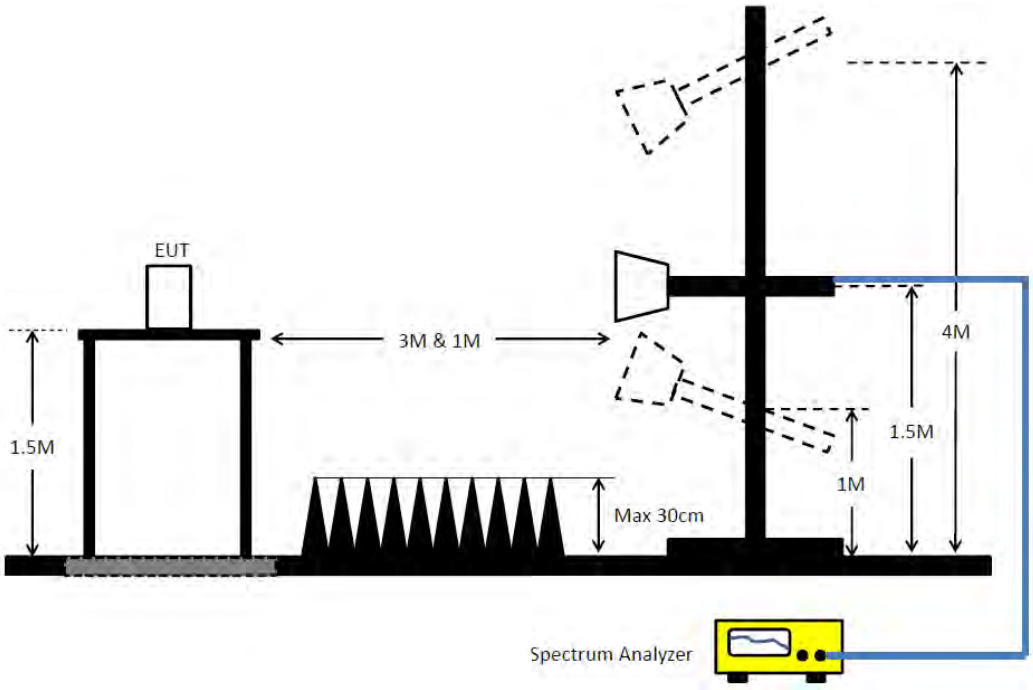
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Measurement Results Calculation

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 03, 2021	Mar. 02, 2022	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Jan. 06, 2021	Jan. 05, 2022	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Mar. 07, 2021	Mar. 06, 2022	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 30, 2021	Jan. 29, 2022	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 19, 2021	May 18, 2022	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. 14, 2021	Apr. 13, 2022	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 28, 2021	Jan. 27, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2021	Mar. 10, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
High Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 20, 2020	Oct. 19, 2021	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	Radiation (10CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 05, 2021	May 04, 2022	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Mar. 08, 2021	Mar. 07, 2022	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 26, 2020	Feb. 25, 2021	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 23, 2020	Oct. 22, 2021	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH04-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 14, 2020	Jul. 13, 2021	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Nov. 05, 2020	Nov. 04, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 15, 2020	Oct. 14, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 17, 2020	Aug. 16, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 05, 2020	Oct. 04, 2021	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.

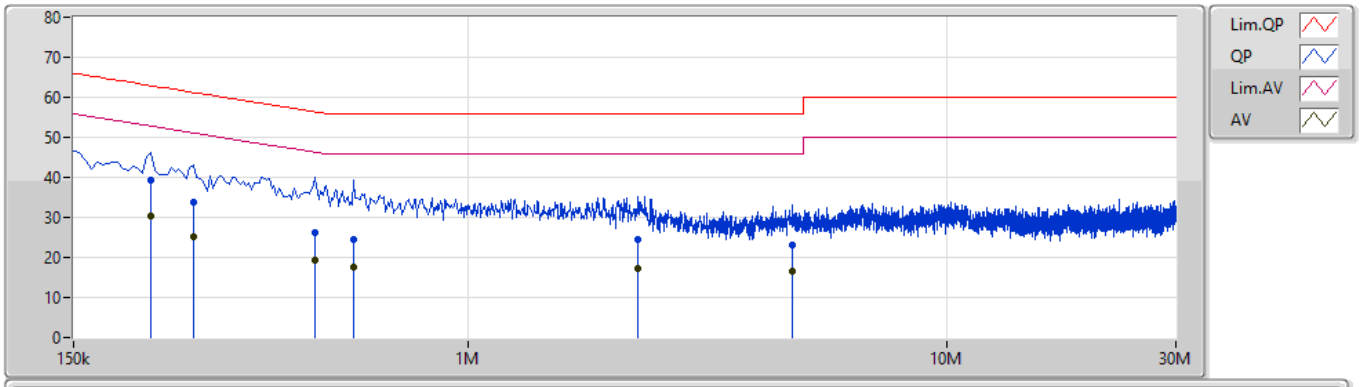
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	163.5k	42.71	65.27	-22.56	Neutral

Mode 1

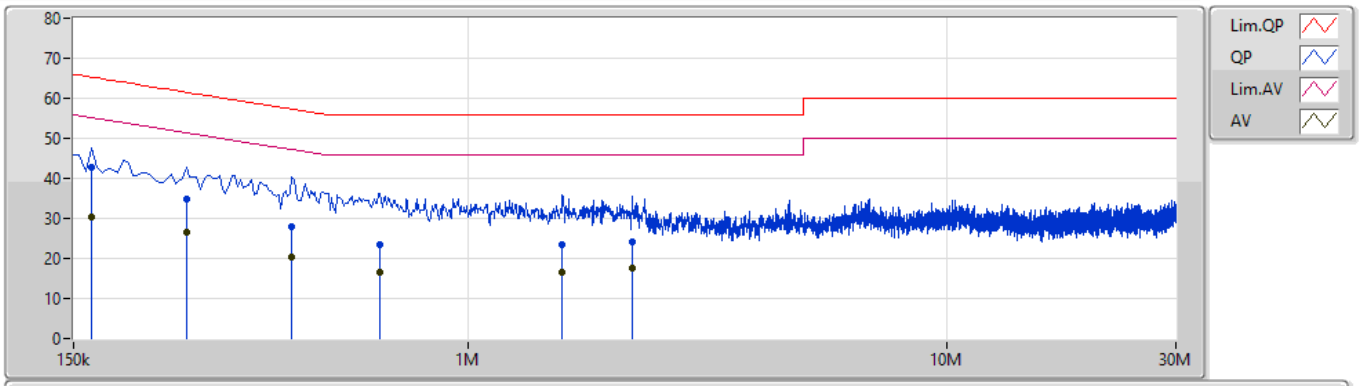
09/07/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	217.5k	39.17	62.92	-23.75	9.89	Line	-	29.28	0.04	0.04	9.81
AV	217.5k	30.23	52.92	-22.69	9.89	Line	"Worst"	20.34	0.04	0.04	9.81
QP	267k	33.90	61.20	-27.30	9.89	Line	-	24.01	0.04	0.04	9.81
AV	267k	25.21	51.20	-25.99	9.89	Line	-	15.32	0.04	0.04	9.81
QP	478.5k	26.37	56.36	-29.99	9.90	Line	-	16.47	0.04	0.04	9.82
AV	478.5k	19.18	46.36	-27.18	9.90	Line	-	9.28	0.04	0.04	9.82
QP	577.5k	24.56	56.00	-31.44	9.91	Line	-	14.65	0.05	0.04	9.82
AV	577.5k	17.71	46.00	-28.29	9.91	Line	-	7.80	0.05	0.04	9.82
QP	2.265M	24.46	56.00	-31.54	10.01	Line	-	14.45	0.10	0.08	9.83
AV	2.265M	17.39	46.00	-28.61	10.01	Line	-	7.38	0.10	0.08	9.83
QP	4.749M	23.17	56.00	-32.83	10.16	Line	-	13.01	0.15	0.13	9.88
AV	4.749M	16.39	46.00	-29.61	10.16	Line	-	6.23	0.15	0.13	9.88

Mode 1

09/07/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.5k	42.71	65.27	-22.56	9.88	Neutral	"Worst"	32.83	0.03	0.04	9.81
AV	163.5k	30.38	55.27	-24.89	9.88	Neutral	-	20.50	0.03	0.04	9.81
QP	258k	34.96	61.49	-26.53	9.88	Neutral	-	25.08	0.03	0.04	9.81
AV	258k	26.41	51.49	-25.08	9.88	Neutral	-	16.53	0.03	0.04	9.81
QP	429k	27.83	57.28	-29.45	9.89	Neutral	-	17.94	0.03	0.04	9.82
AV	429k	20.34	47.28	-26.94	9.89	Neutral	-	10.45	0.03	0.04	9.82
QP	654k	23.57	56.00	-32.43	9.91	Neutral	-	13.66	0.04	0.04	9.83
AV	654k	16.58	46.00	-29.42	9.91	Neutral	-	6.67	0.04	0.04	9.83
QP	1.572M	23.45	56.00	-32.55	9.94	Neutral	-	13.51	0.06	0.06	9.82
AV	1.572M	16.39	46.00	-29.61	9.94	Neutral	-	6.45	0.06	0.06	9.82
QP	2.198M	24.17	56.00	-31.83	9.98	Neutral	-	14.19	0.07	0.08	9.83
AV	2.198M	17.43	46.00	-28.57	9.98	Neutral	-	7.45	0.07	0.08	9.83

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	27.27M	17.181M	17M2D1D	23.1M	16.732M
802.11ax HEW20_Nss1,(MCS0)_4TX	25.05M	19.19M	19M2D1D	23.34M	19.13M
802.11ax HEW40_Nss1,(MCS0)_4TX	46.86M	38.201M	38M2D1D	43.92M	38.081M
802.11ax HEW80_Nss1,(MCS0)_4TX	90M	77.961M	78M0D1D	87.84M	77.721M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	26.147M	26M1D1D	16.29M	18.651M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.99M	24.378M	24M4D1D	18.78M	19.67M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.04M	45.037M	45M0D1D	37.74M	38.441M
802.11ax HEW80_Nss1,(MCS0)_4TX	78.12M	77.841M	77M8D1D	77.64M	77.721M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

Result

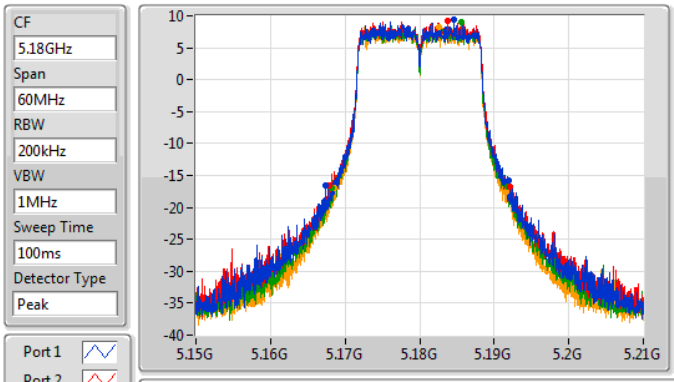
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	24.45M	16.852M	24.36M	16.882M	23.55M	16.792M	23.1M	16.732M
5200MHz	Pass	Inf	26.64M	17.181M	25.5M	17.121M	26.49M	17.061M	25.86M	17.001M
5240MHz	Pass	Inf	27.27M	17.151M	25.83M	17.121M	26.55M	17.031M	26.28M	17.001M
5745MHz	Pass	500k	16.35M	20.06M	16.32M	22.519M	16.35M	18.651M	16.32M	20.54M
5785MHz	Pass	500k	16.35M	19.7M	16.32M	22.279M	16.35M	19.07M	16.35M	22.369M
5825MHz	Pass	500k	16.29M	22.909M	16.35M	26.147M	16.35M	21.829M	16.29M	23.118M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.05M	19.19M	23.88M	19.16M	23.43M	19.13M	24.75M	19.16M
5200MHz	Pass	Inf	24.93M	19.19M	23.94M	19.19M	24M	19.16M	23.7M	19.16M
5240MHz	Pass	Inf	24.78M	19.19M	23.58M	19.16M	23.34M	19.13M	24.51M	19.16M
5745MHz	Pass	500k	18.87M	20.84M	18.84M	23.178M	18.96M	19.73M	18.99M	21.259M
5785MHz	Pass	500k	18.96M	20.21M	18.78M	22.999M	18.99M	19.67M	18.9M	22.579M
5825MHz	Pass	500k	18.96M	20.84M	18.9M	24.378M	18.96M	19.91M	18.93M	22.759M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45.66M	38.081M	45M	38.081M	43.92M	38.081M	44.1M	38.141M
5230MHz	Pass	Inf	45.72M	38.201M	46.86M	38.141M	45.66M	38.141M	45.48M	38.081M
5755MHz	Pass	500k	38.04M	38.741M	37.86M	39.28M	38.04M	38.441M	37.92M	38.621M
5795MHz	Pass	500k	37.86M	38.921M	37.86M	45.037M	37.8M	38.681M	37.74M	39.04M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	90M	77.961M	89.64M	77.841M	89.88M	77.841M	87.84M	77.721M
5775MHz	Pass	500k	78.12M	77.841M	77.88M	77.841M	77.76M	77.721M	77.64M	77.721M

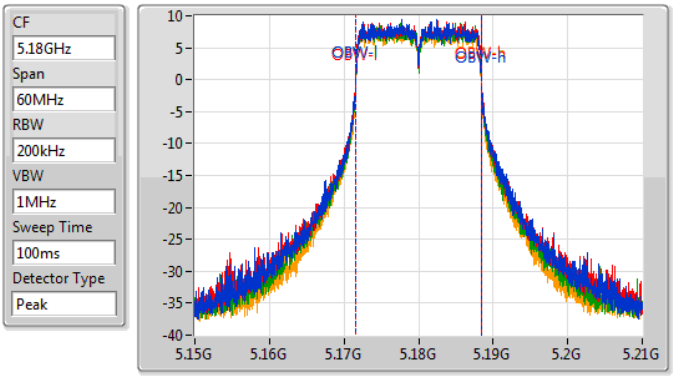
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

18/03/2021



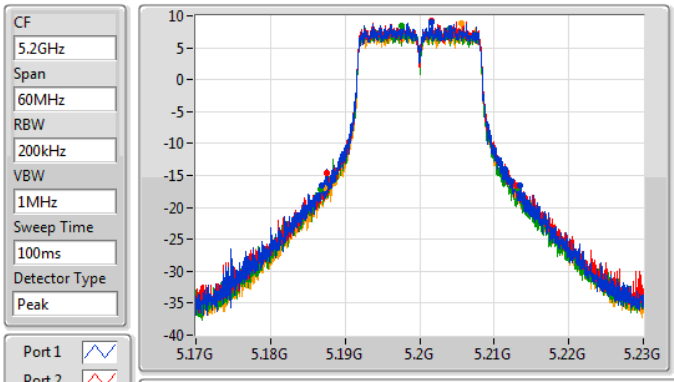


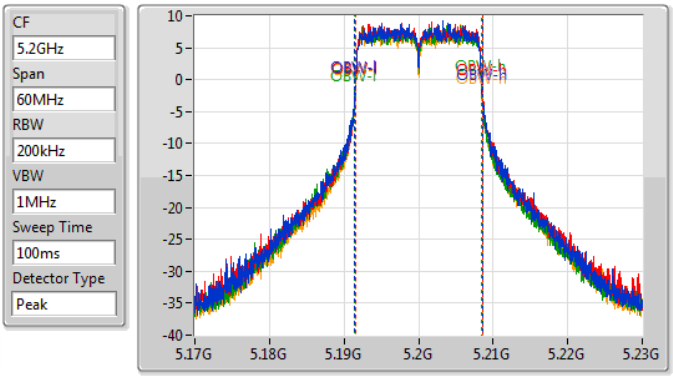
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.45M	5.16743G	5.19188G	16.852M	5.171604G	5.188456G	Inf	1
24.36M	5.16782G	5.19218G	16.882M	5.171574G	5.188456G	Inf	2
23.55M	5.16818G	5.19173G	16.792M	5.171604G	5.188396G	Inf	3
23.1M	5.16851G	5.19161G	16.732M	5.171634G	5.188366G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

18/03/2021



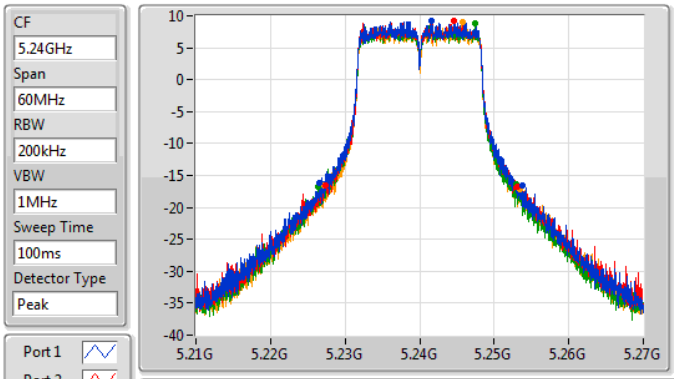


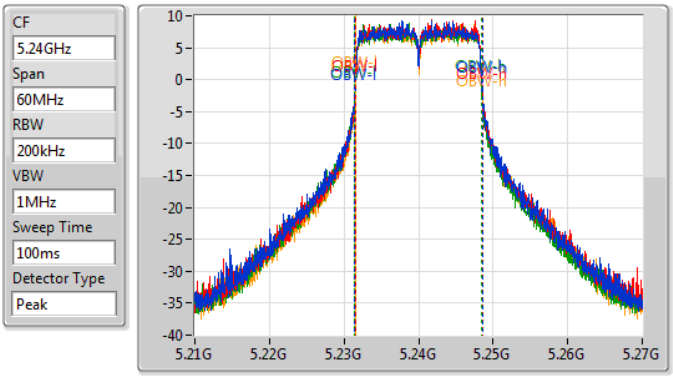
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.64M	5.18683G	5.21347G	17.181M	5.191424G	5.208606G	Inf	1
25.5M	5.18749G	5.21299G	17.121M	5.191484G	5.208606G	Inf	2
26.49M	5.18665G	5.21314G	17.061M	5.191424G	5.208486G	Inf	3
25.86M	5.18716G	5.21302G	17.001M	5.191544G	5.208546G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

18/03/2021



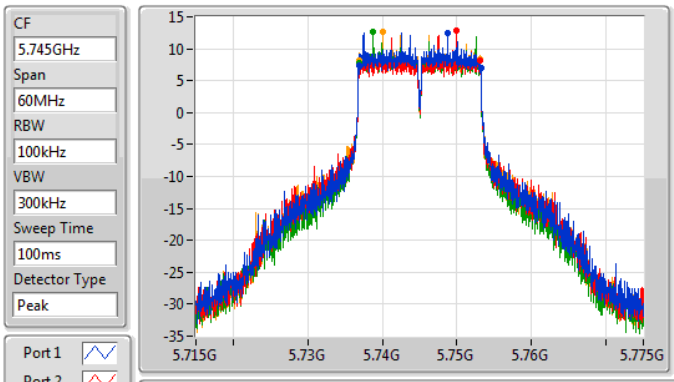


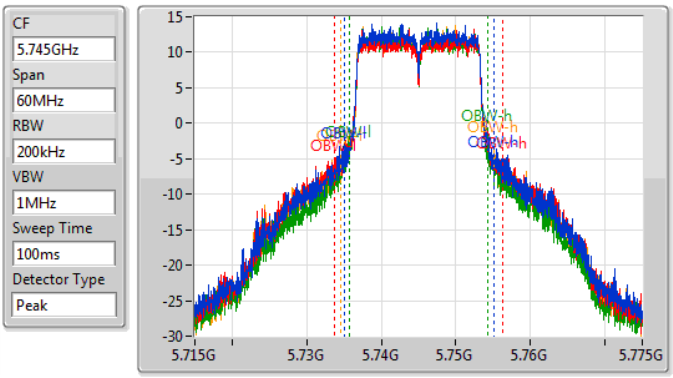
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.27M	5.22656G	5.25383G	17.151M	5.231454G	5.248606G	Inf	1
25.83M	5.22731G	5.25314G	17.121M	5.231514G	5.248636G	Inf	2
26.55M	5.22635G	5.2529G	17.031M	5.231454G	5.248486G	Inf	3
26.28M	5.22722G	5.2535G	17.001M	5.231574G	5.248576G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

18/03/2021



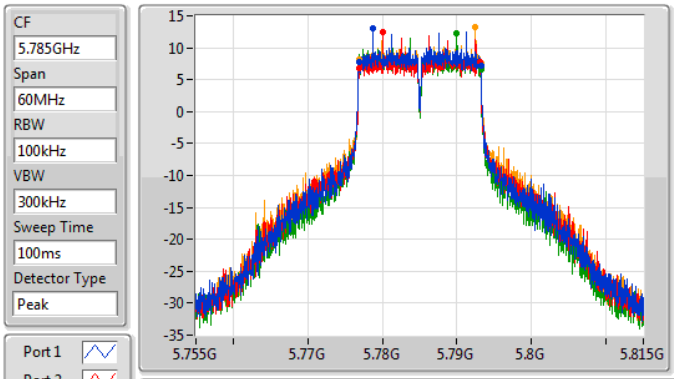


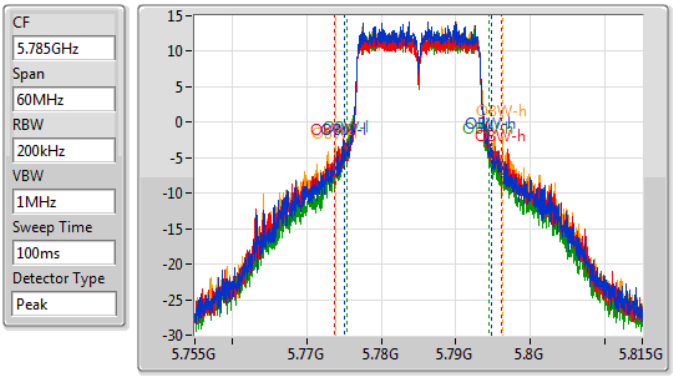
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73684G	5.75319G	20.06M	5.735015G	5.755075G	500k	1
16.32M	5.73684G	5.75316G	22.519M	5.733726G	5.756244G	500k	2
16.35M	5.73684G	5.75319G	18.651M	5.735675G	5.754325G	500k	3
16.32M	5.73684G	5.75316G	20.54M	5.734625G	5.755165G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

18/03/2021



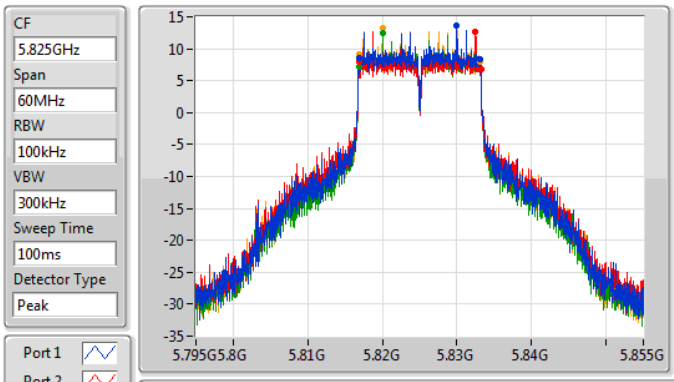


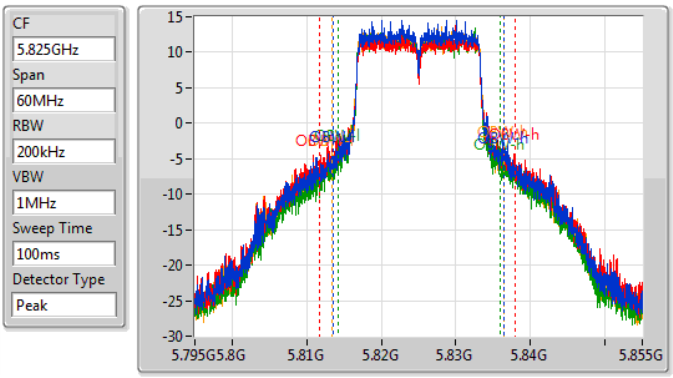
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.77684G	5.79319G	19.7M	5.775075G	5.794775G	500k	1
16.32M	5.77684G	5.79316G	22.279M	5.773786G	5.796064G	500k	2
16.35M	5.77684G	5.79319G	19.07M	5.775405G	5.794475G	500k	3
16.35M	5.77684G	5.79319G	22.369M	5.773876G	5.796244G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

18/03/2021



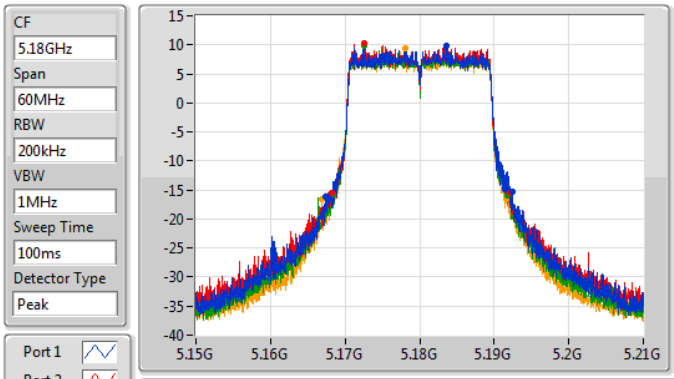


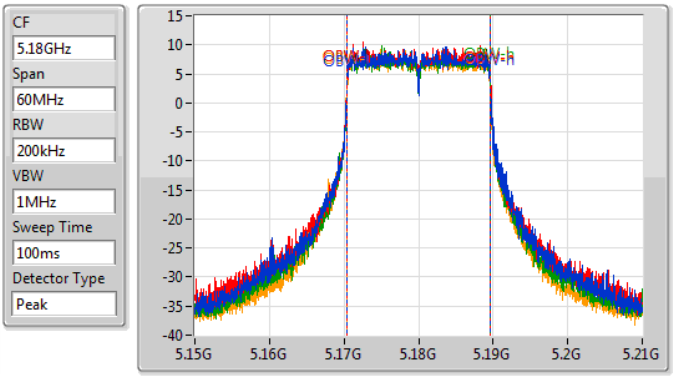
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81687G	5.83316G	22.909M	5.813546G	5.836454G	500k	1
16.35M	5.81684G	5.83319G	26.147M	5.811777G	5.837924G	500k	2
16.35M	5.81684G	5.83319G	21.829M	5.814145G	5.835975G	500k	3
16.29M	5.81687G	5.83316G	23.118M	5.813366G	5.836484G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5180MHz

18/03/2021



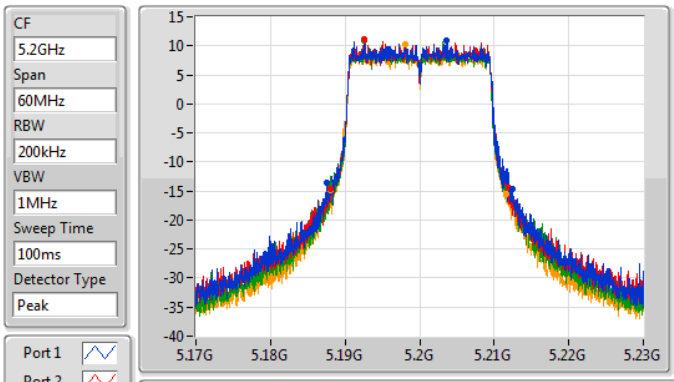


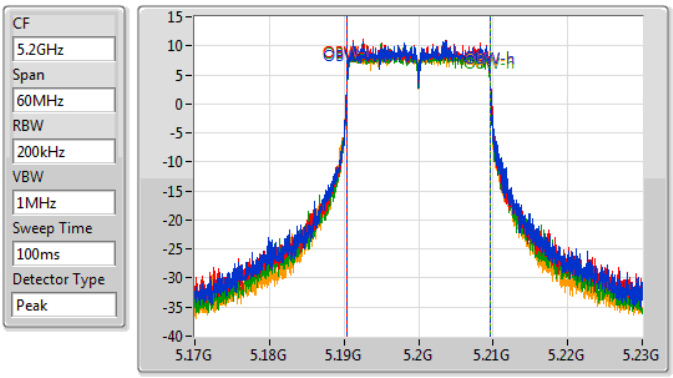
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.05M	5.16743G	5.19248G	19.19M	5.170435G	5.189625G	Inf	1
23.88M	5.16821G	5.19209G	19.16M	5.170435G	5.189595G	Inf	2
23.43M	5.16839G	5.19182G	19.13M	5.170465G	5.189595G	Inf	3
24.75M	5.16689G	5.19164G	19.16M	5.170405G	5.189565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5200MHz

18/03/2021



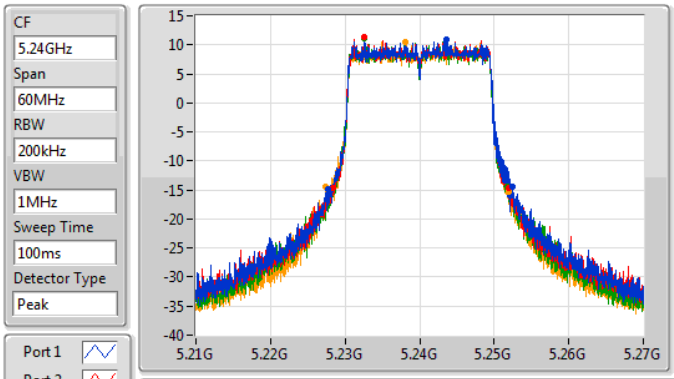


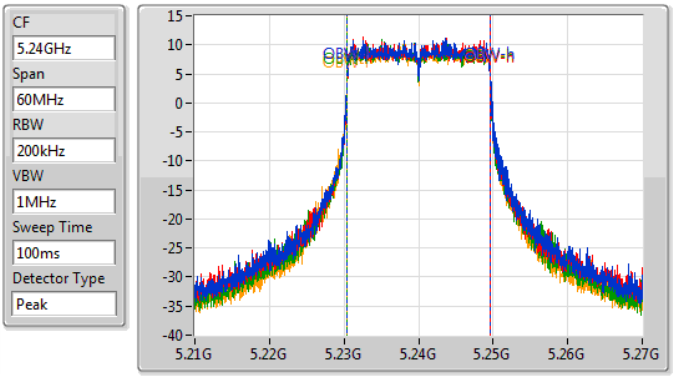
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.93M	5.18758G	5.21251G	19.19M	5.190435G	5.209625G	Inf	1
23.94M	5.18809G	5.21203G	19.19M	5.190435G	5.209625G	Inf	2
24M	5.18782G	5.21182G	19.16M	5.190435G	5.209595G	Inf	3
23.7M	5.18797G	5.21167G	19.16M	5.190435G	5.209595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5240MHz

18/03/2021



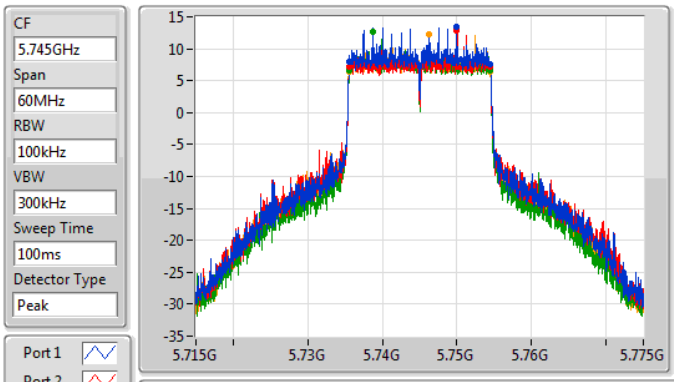


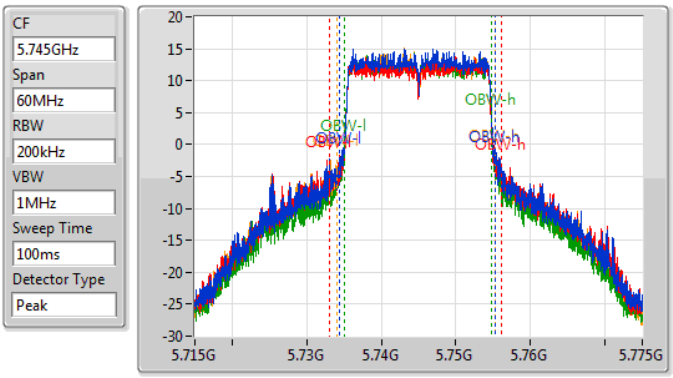
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.78M	5.22773G	5.25251G	19.19M	5.230465G	5.249655G	Inf	1
23.58M	5.22839G	5.25197G	19.16M	5.230465G	5.249625G	Inf	2
23.34M	5.22842G	5.25176G	19.13M	5.230465G	5.249595G	Inf	3
24.51M	5.22737G	5.25188G	19.16M	5.230435G	5.249595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5745MHz

18/03/2021



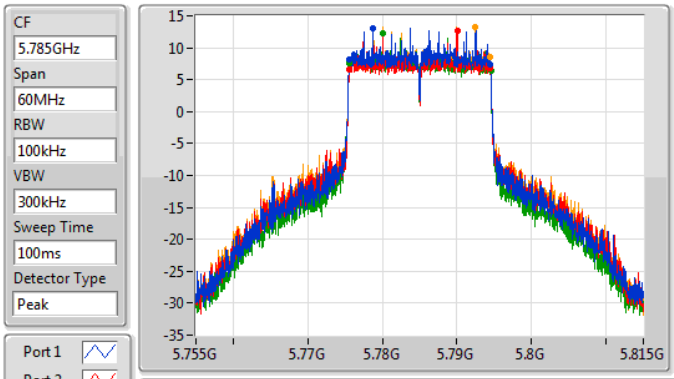


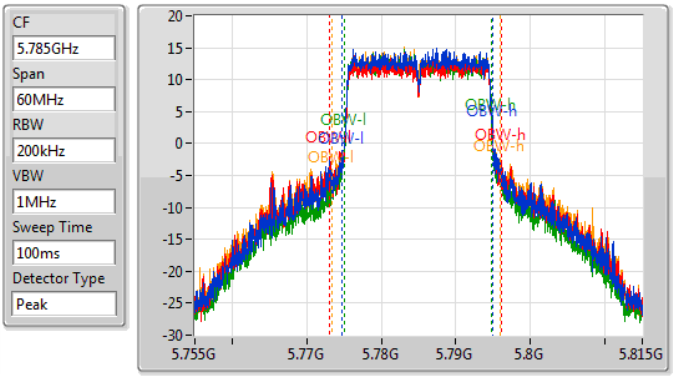
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.87M	5.73558G	5.75445G	20.84M	5.734415G	5.755255G	500k	1
18.84M	5.73555G	5.75439G	23.178M	5.733006G	5.756184G	500k	2
18.96M	5.73555G	5.75451G	19.73M	5.735105G	5.754835G	500k	3
18.99M	5.73552G	5.75451G	21.259M	5.733996G	5.755255G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

18/03/2021



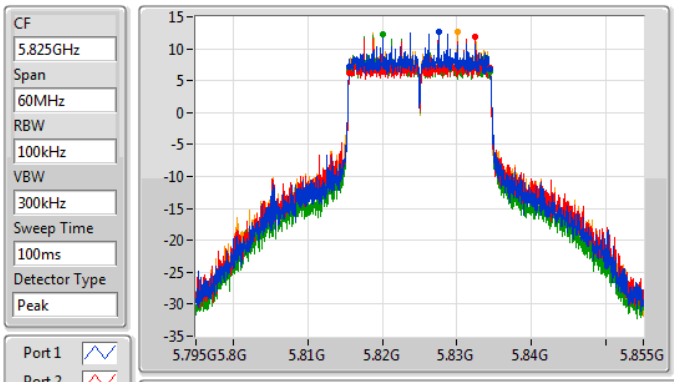


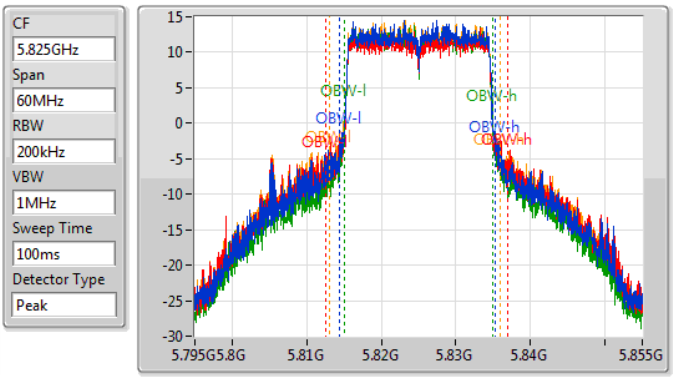
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.77555G	5.79451G	20.21M	5.774775G	5.794985G	500k	1
18.78M	5.77558G	5.79436G	22.999M	5.773036G	5.796034G	500k	2
18.99M	5.77555G	5.79454G	19.67M	5.775135G	5.794805G	500k	3
18.9M	5.77555G	5.79445G	22.579M	5.773396G	5.795975G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

18/03/2021



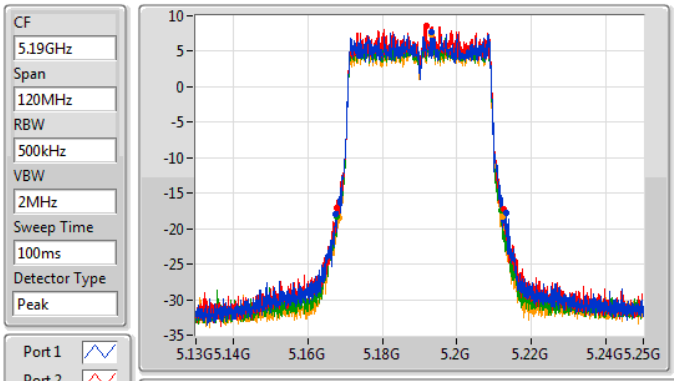


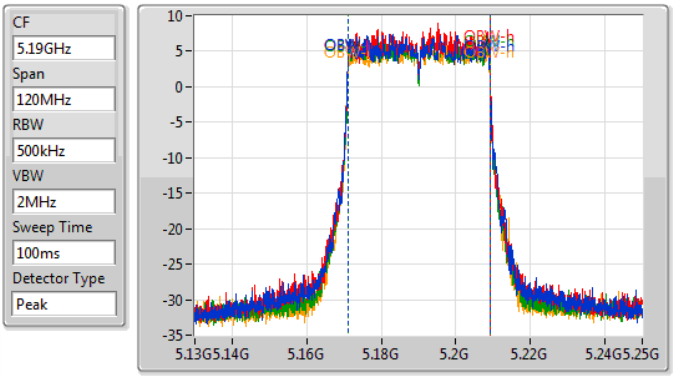
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.81552G	5.83448G	20.84M	5.814445G	5.835285G	500k	1
18.9M	5.81555G	5.83445G	24.378M	5.812526G	5.836904G	500k	2
18.96M	5.81552G	5.83448G	19.91M	5.815015G	5.834925G	500k	3
18.93M	5.81558G	5.83451G	22.759M	5.813126G	5.835885G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5190MHz

18/03/2021



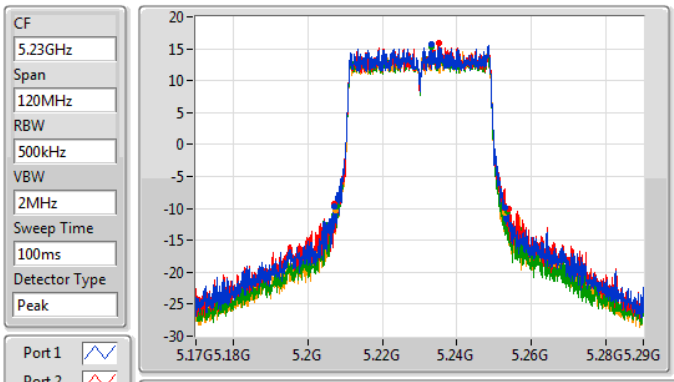


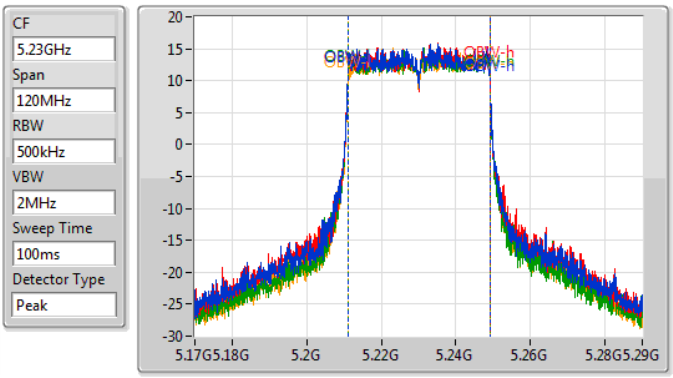
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.66M	5.1675G	5.21316G	38.081M	5.17099G	5.20907G	Inf	1
45M	5.16768G	5.21268G	38.081M	5.17099G	5.20907G	Inf	2
43.92M	5.16792G	5.21184G	38.081M	5.17099G	5.20907G	Inf	3
44.1M	5.16828G	5.21238G	38.141M	5.17099G	5.20913G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

18/03/2021



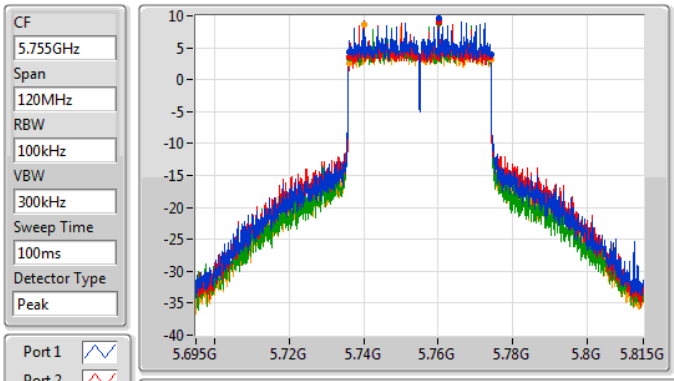


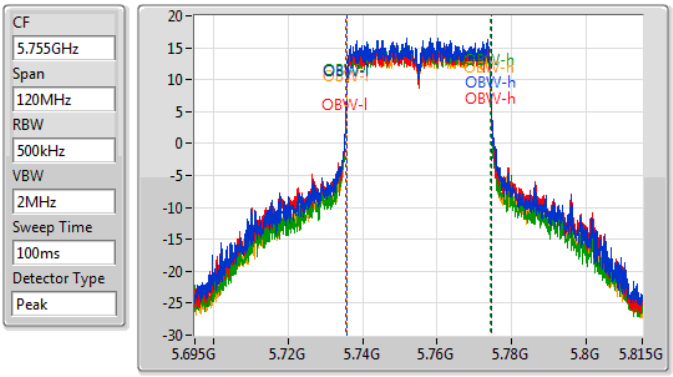
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.72M	5.20726G	5.25298G	38.201M	5.21099G	5.24919G	Inf	1
46.86M	5.20714G	5.254G	38.141M	5.21099G	5.24913G	Inf	2
45.66M	5.2078G	5.25346G	38.141M	5.21099G	5.24913G	Inf	3
45.48M	5.20756G	5.25304G	38.081M	5.211049G	5.24913G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

18/03/2021



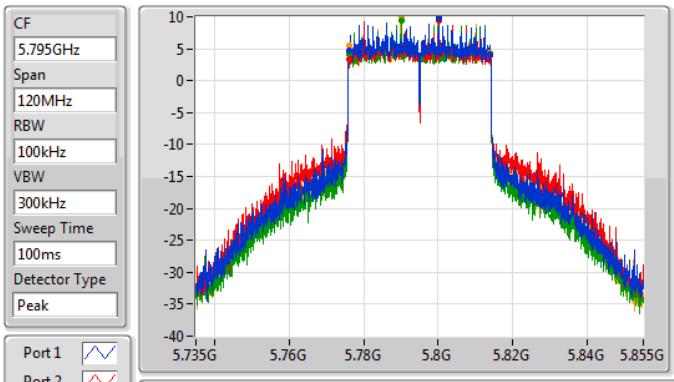


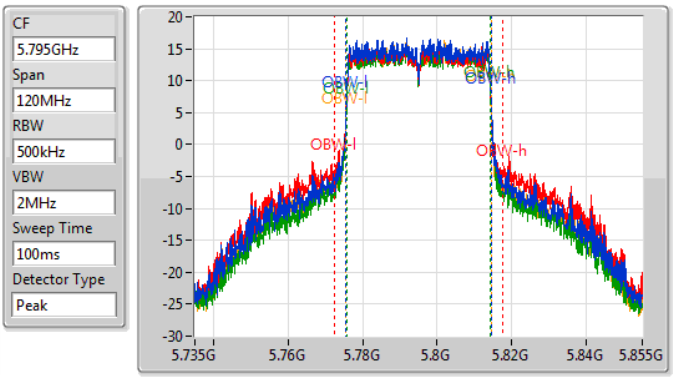
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.04M	5.73604G	5.77408G	38.741M	5.73569G	5.77443G	500k	1
37.86M	5.7361G	5.77396G	39.28M	5.73539G	5.77467G	500k	2
38.04M	5.73604G	5.77408G	38.441M	5.73581G	5.77425G	500k	3
37.92M	5.73616G	5.77408G	38.621M	5.73575G	5.77437G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5795MHz

18/03/2021



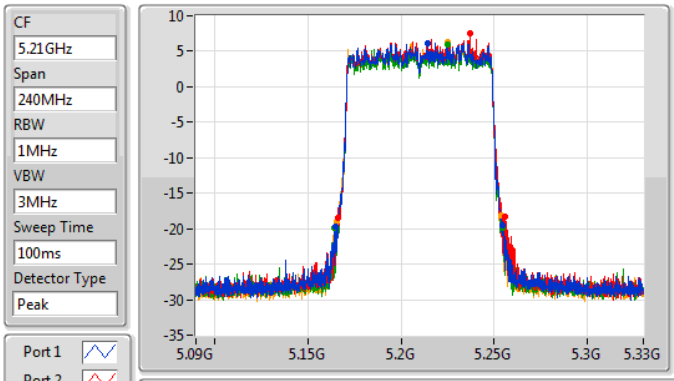


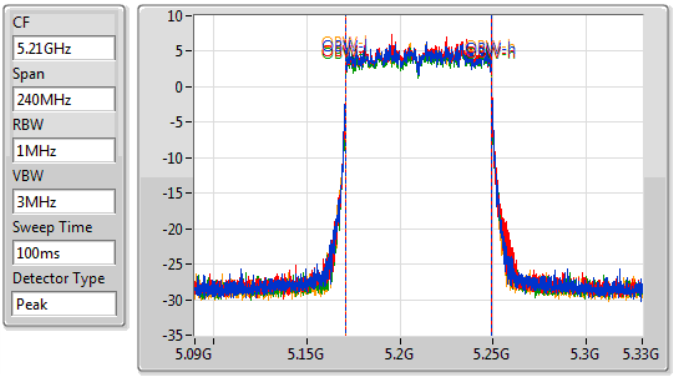
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.86M	5.7761G	5.81396G	38.921M	5.77557G	5.81449G	500k	1
37.86M	5.77604G	5.8139G	45.037M	5.772391G	5.817429G	500k	2
37.8M	5.77622G	5.81402G	38.681M	5.77569G	5.81437G	500k	3
37.74M	5.77616G	5.8139G	39.04M	5.77551G	5.81455G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5210MHz

18/03/2021



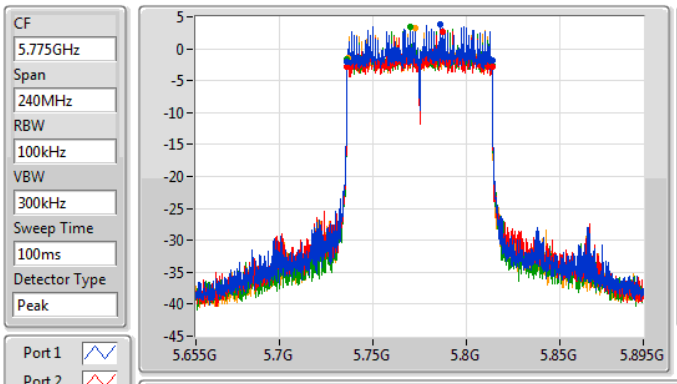


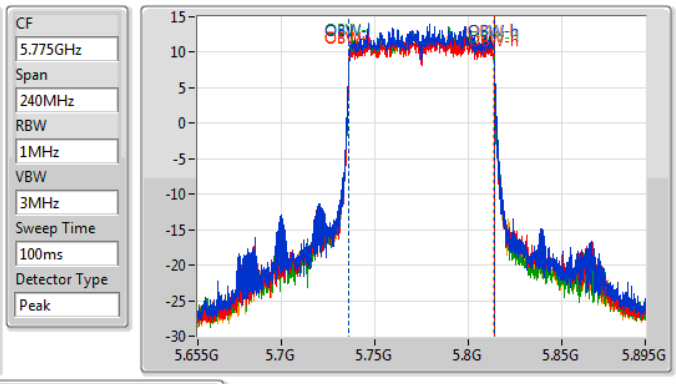
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90M	5.16476G	5.25476G	77.961M	5.171019G	5.248981G	Inf	1
89.64M	5.16596G	5.2556G	77.841M	5.171139G	5.248981G	Inf	2
89.88M	5.16452G	5.2544G	77.841M	5.171139G	5.248981G	Inf	3
87.84M	5.16584G	5.25368G	77.721M	5.171139G	5.248861G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

18/03/2021





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
78.12M	5.73588G	5.814G	77.841M	5.736019G	5.813861G	500k	1
77.88M	5.73612G	5.814G	77.841M	5.736019G	5.813861G	500k	2
77.76M	5.73612G	5.81388G	77.721M	5.736139G	5.813861G	500k	3
77.64M	5.73624G	5.81388G	77.721M	5.736019G	5.813741G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	25.29	0.33806
802.11ax HEW20_Nss1,(MCS0)_4TX	25.92	0.39084
802.11ax HEW40_Nss1,(MCS0)_4TX	28.54	0.71450
802.11ax HEW80_Nss1,(MCS0)_4TX	19.75	0.09441
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.97	0.99312
802.11ax HEW20_Nss1,(MCS0)_4TX	29.97	0.99312
802.11ax HEW40_Nss1,(MCS0)_4TX	29.74	0.94189
802.11ax HEW80_Nss1,(MCS0)_4TX	26.67	0.46452

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.30	19.54	19.53	19.17	18.75	25.28	30.00
5200MHz	Pass	5.30	19.39	19.66	19.13	18.85	25.29	30.00
5240MHz	Pass	5.30	19.22	19.30	19.18	18.90	25.17	30.00
5745MHz	Pass	5.30	24.17	23.41	23.59	23.67	29.74	30.00
5785MHz	Pass	5.30	24.11	23.28	23.42	23.89	29.71	30.00
5825MHz	Pass	5.30	24.16	23.69	23.83	24.09	29.97	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.30	19.28	19.35	18.61	18.53	24.98	30.00
5200MHz	Pass	5.30	19.88	20.04	19.56	19.49	25.77	30.00
5240MHz	Pass	5.30	20.03	20.13	19.77	19.66	25.92	30.00
5745MHz	Pass	5.30	24.43	23.69	23.74	23.90	29.97	30.00
5785MHz	Pass	5.30	24.32	23.51	23.63	24.07	29.92	30.00
5825MHz	Pass	5.30	24.02	23.35	23.48	23.95	29.73	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.30	15.16	15.64	14.91	14.79	21.16	30.00
5230MHz	Pass	5.30	22.68	22.78	22.19	22.41	28.54	30.00
5755MHz	Pass	5.30	23.85	23.25	23.36	23.05	29.41	30.00
5795MHz	Pass	5.30	24.05	23.57	23.52	23.71	29.74	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.30	13.71	14.09	13.31	13.79	19.75	30.00
5775MHz	Pass	5.30	20.95	20.47	20.64	20.52	26.67	30.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	12.51
802.11ax HEW20_Nss1,(MCS0)_4TX	12.61
802.11ax HEW40_Nss1,(MCS0)_4TX	12.31
802.11ax HEW80_Nss1,(MCS0)_4TX	0.22
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.19
802.11ax HEW20_Nss1,(MCS0)_4TX	14.75
802.11ax HEW40_Nss1,(MCS0)_4TX	11.58
802.11ax HEW80_Nss1,(MCS0)_4TX	5.94

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

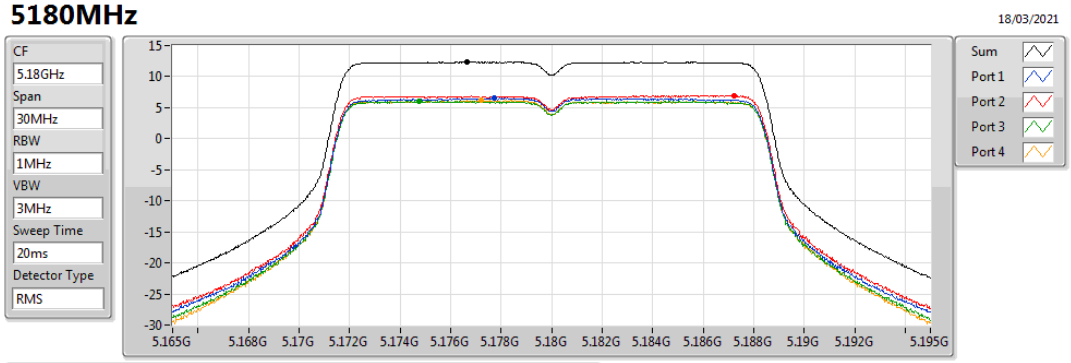
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.36	6.53	6.96	6.03	6.16	12.36	12.64
5200MHz	Pass	10.36	6.58	6.82	6.21	6.01	12.31	12.64
5240MHz	Pass	10.36	6.81	6.56	6.60	6.26	12.51	12.64
5745MHz	Pass	10.36	9.74	8.97	9.12	9.31	15.16	25.64
5785MHz	Pass	10.36	9.75	8.80	9.03	9.51	15.17	25.64
5825MHz	Pass	10.36	9.79	8.81	9.22	9.42	15.19	25.64
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.36	5.50	5.98	5.14	5.08	11.35	12.64
5200MHz	Pass	10.36	6.73	6.84	6.29	5.73	12.38	12.64
5240MHz	Pass	10.36	6.82	6.81	6.53	6.37	12.61	12.64
5745MHz	Pass	10.36	9.39	8.56	8.72	8.82	14.75	25.64
5785MHz	Pass	10.36	9.36	8.33	8.64	9.01	14.70	25.64
5825MHz	Pass	10.36	8.83	7.97	8.20	8.67	14.29	25.64
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.36	-1.36	-0.68	-1.65	-1.84	4.59	12.64
5230MHz	Pass	10.36	6.51	6.67	5.89	6.29	12.31	12.64
5755MHz	Pass	10.36	5.90	5.38	5.30	5.02	11.27	25.64
5795MHz	Pass	10.36	6.06	5.54	5.49	5.69	11.58	25.64
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.36	-5.71	-5.35	-6.22	-5.64	0.22	12.64
5775MHz	Pass	10.36	0.36	-0.27	0.12	-0.27	5.94	25.64

DG = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_Nss1,(6Mbps)_4TX PSD

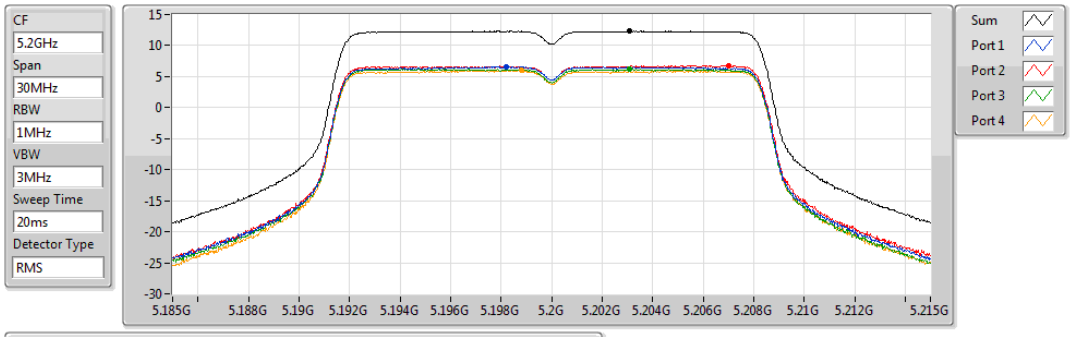
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.36	12.36	6.53	6.96	6.03	6.16

802.11a_Nss1,(6Mbps)_4TX PSD

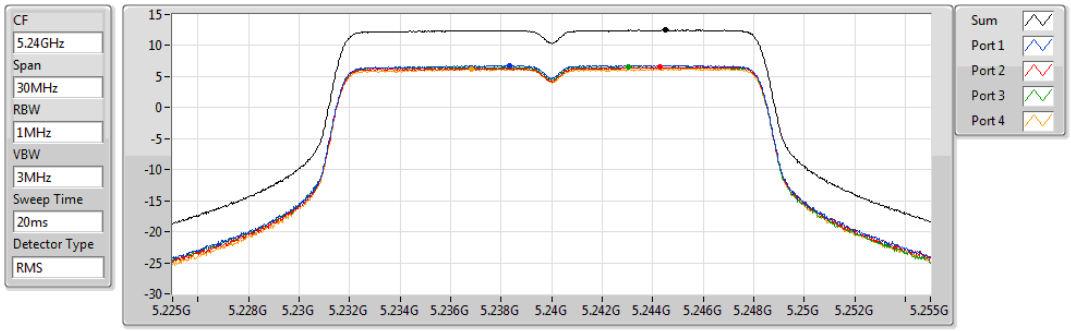
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.31	12.31	6.58	6.82	6.21	6.01

802.11a_Nss1,(6Mbps)_4TX PSD

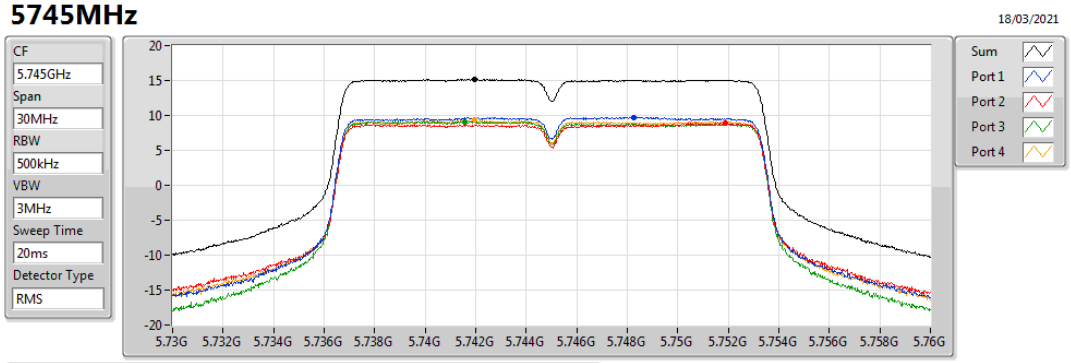
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.51	12.51	6.81	6.56	6.60	6.26

802.11a_Nss1,(6Mbps)_4TX PSD

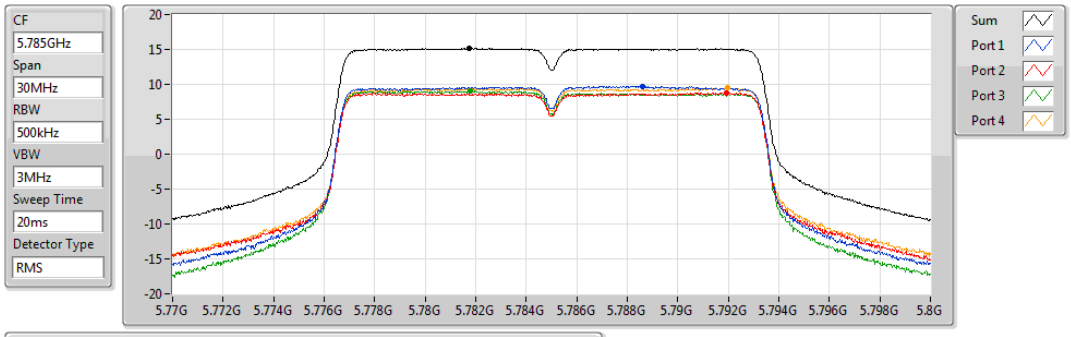
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.16	15.16	9.74	8.97	9.12	9.31

802.11a_Nss1,(6Mbps)_4TX PSD

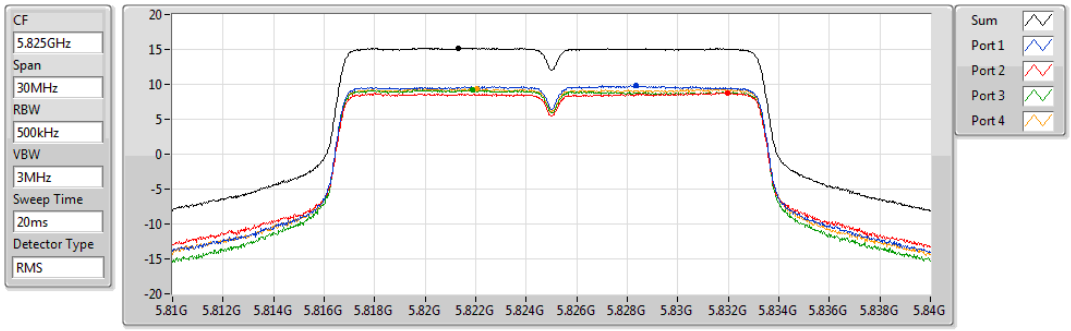
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.17	15.17	9.75	8.80	9.03	9.51

802.11a_Nss1,(6Mbps)_4TX PSD

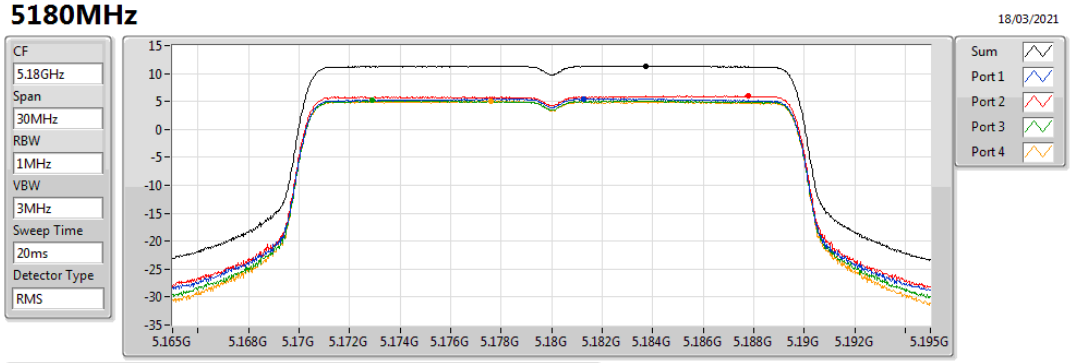
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.19	15.19	9.79	8.81	9.22	9.42

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

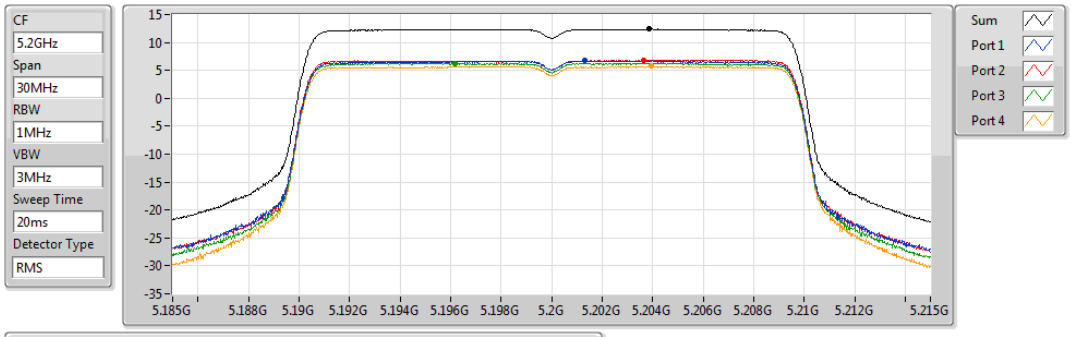
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.35	11.35	5.50	5.98	5.14	5.08

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

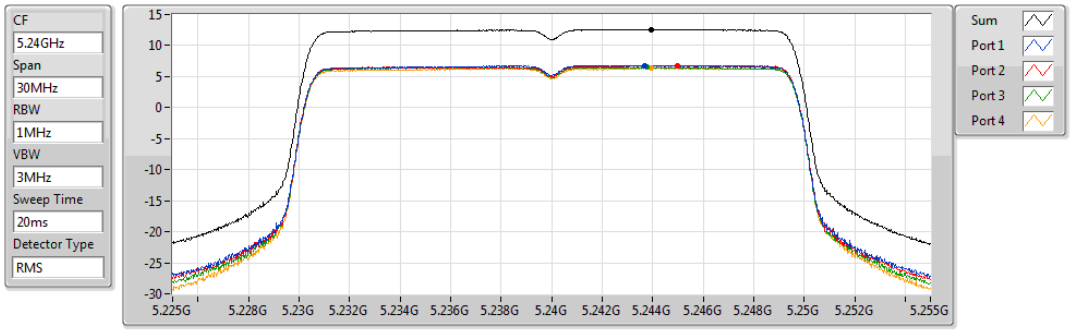
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.38	12.38	6.73	6.84	6.29	5.73

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

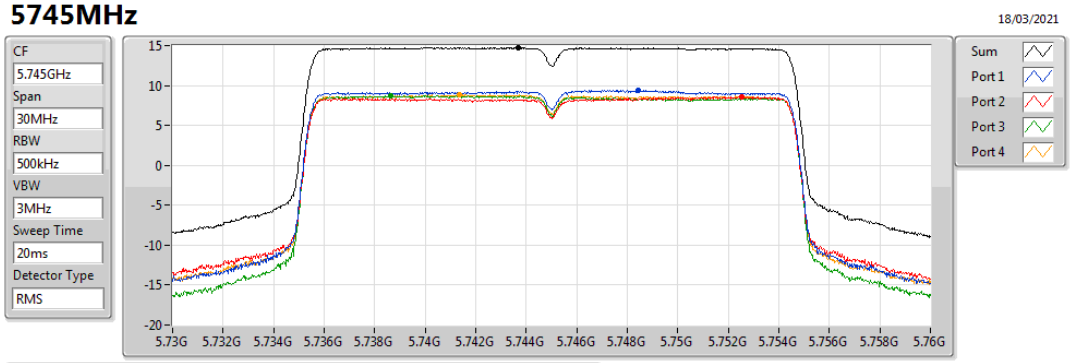
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.61	12.61	6.82	6.81	6.53	6.37

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

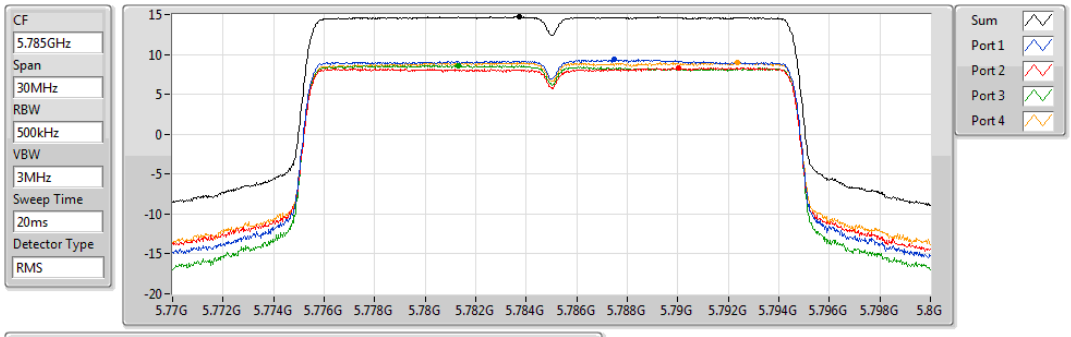
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.75	14.75	9.39	8.56	8.72	8.82

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

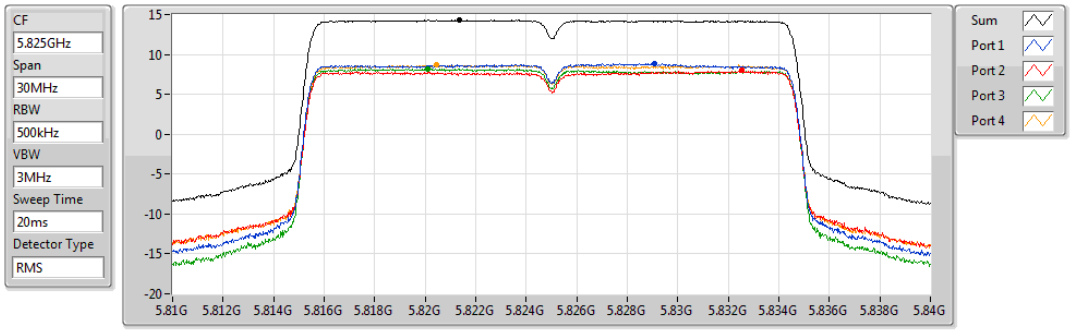
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.70	14.70	9.36	8.33	8.64	9.01

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

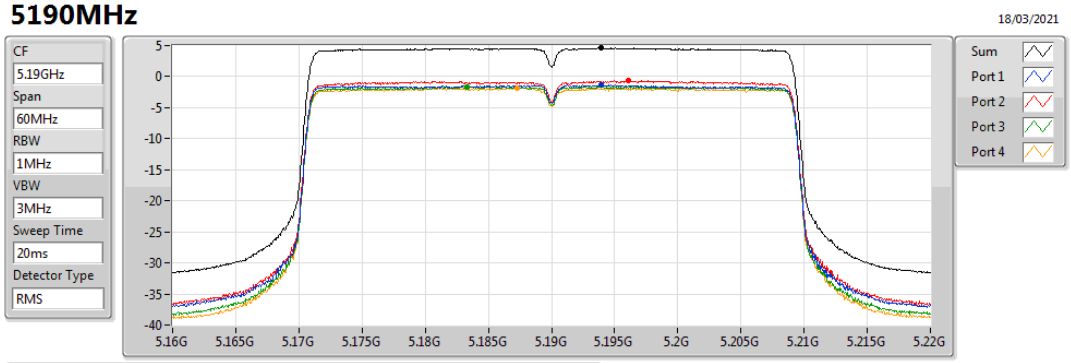
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.29	14.29	8.83	7.97	8.20	8.67

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

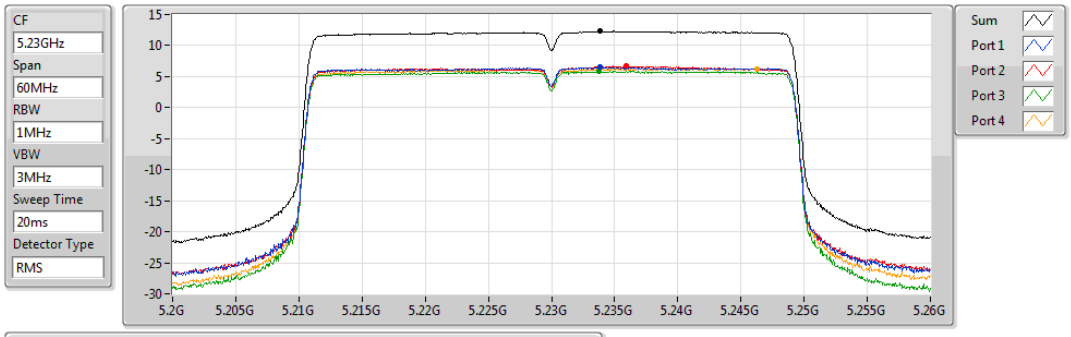
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.59	4.59	-1.36	-0.68	-1.65	-1.84

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

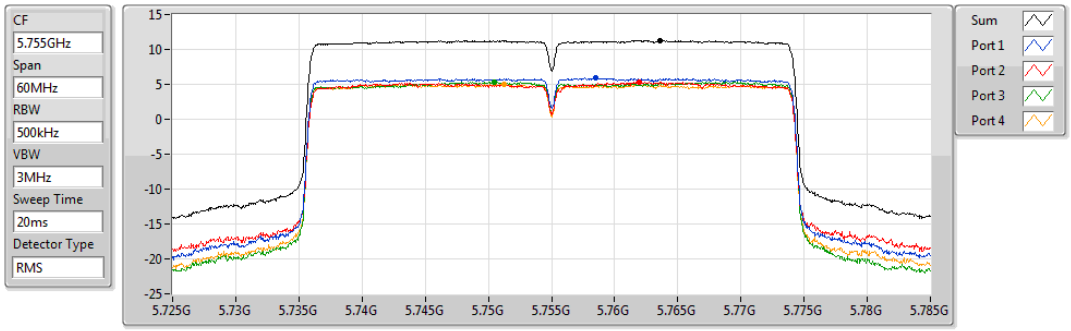
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.31	12.31	6.51	6.67	5.89	6.29

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

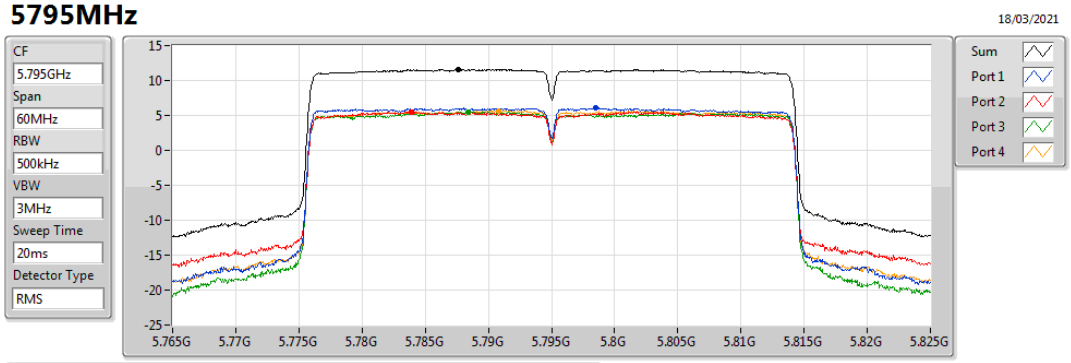
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.27	11.27	5.90	5.38	5.30	5.02

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

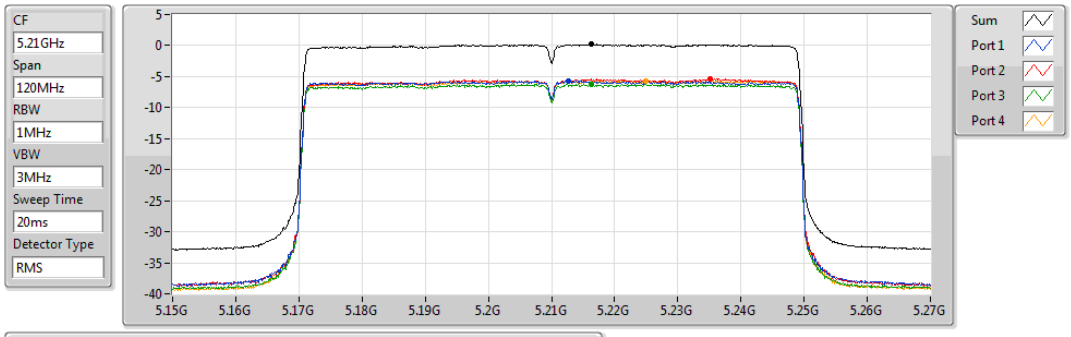
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.58	11.58	6.06	5.54	5.49	5.69

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

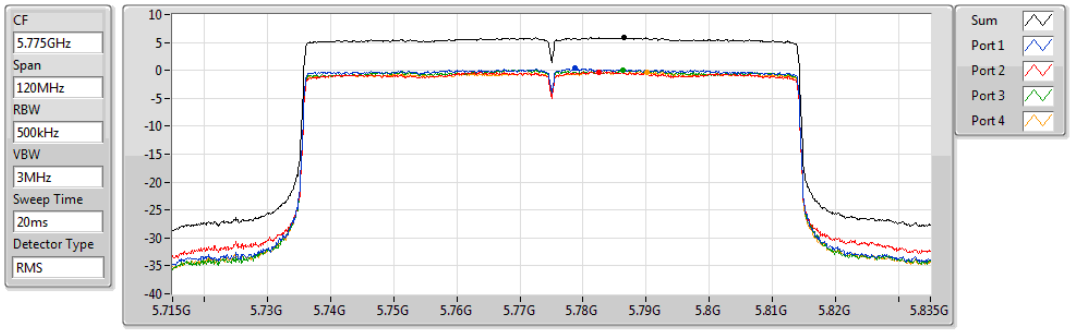
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.22	0.22	-5.71	-5.35	-6.22	-5.64

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5775MHz



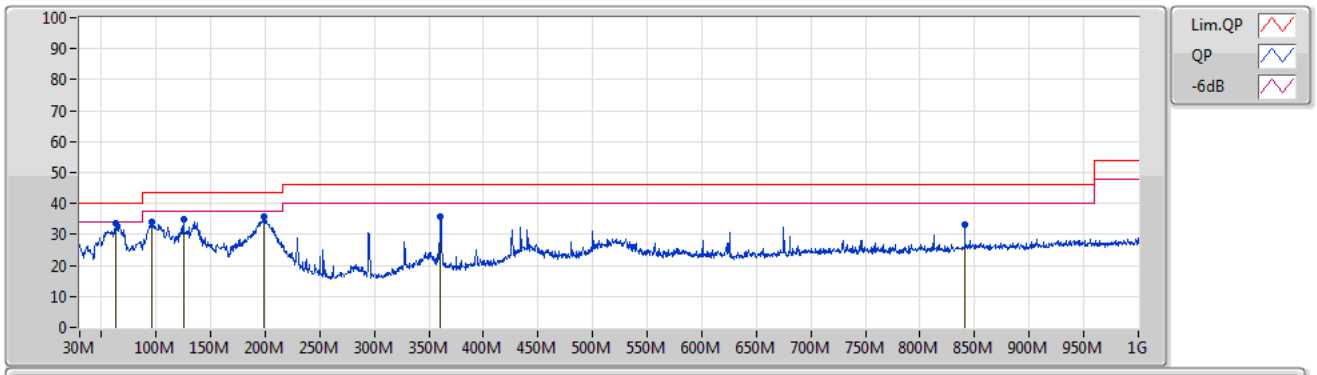
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	0.36	-0.27	0.12	-0.27

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	62.5M	33.73	40.00	-6.27	Vertical

Mode 1

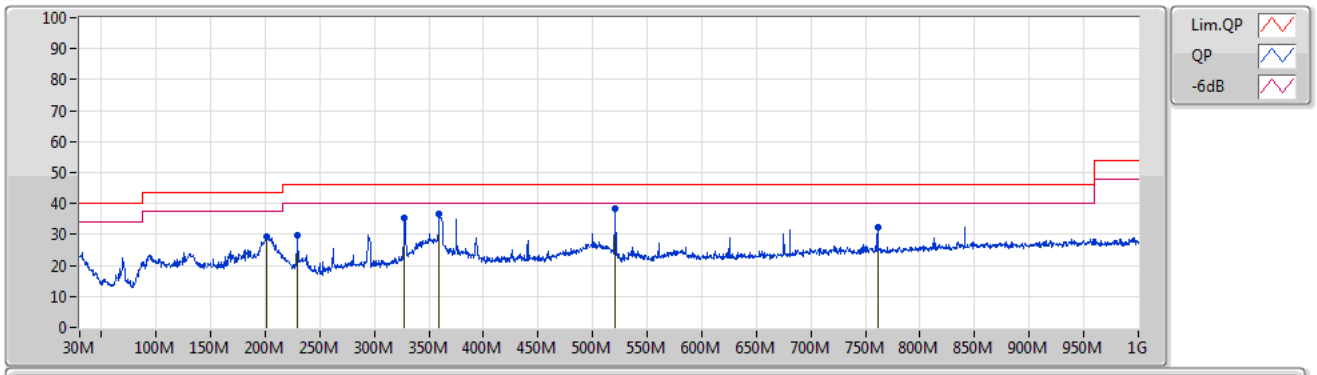
12/07/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	62.5M	33.73	40.00	-6.27	-13.63	3	Vertical	247	1.00	"Worst"	47.36	12.45	1.75	27.83
PK	96.45M	34.00	43.50	-9.50	-9.29	3	Vertical	212	4.00	-	43.29	16.20	2.33	27.82
PK	125.06M	35.07	43.50	-8.43	-6.71	3	Vertical	315	2.00	-	41.78	18.12	2.78	27.61
PK	198.78M	35.57	43.50	-7.93	-8.38	3	Vertical	4	1.00	-	43.95	15.21	3.69	27.28
PK	360.29M	35.71	46.00	-10.29	-7.48	3	Vertical	151	3.00	-	43.19	15.37	4.14	26.99
PK	840.92M	33.36	46.00	-12.64	0.98	3	Vertical	80	1.00	-	32.38	21.44	6.46	26.92

Mode 1

12/07/2021



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	200.72M	29.32	43.50	-14.18	-7.13	3	Horizontal	53	1.00	-	36.45	16.44	3.01	26.58
PK	229.34M	29.69	46.00	-16.31	-9.85	3	Horizontal	0	3.00	-	39.54	13.35	3.23	26.43
PK	327.79M	35.31	46.00	-10.69	-8.09	3	Horizontal	159	4.00	-	43.40	14.60	3.97	26.66
PK	359.32M	36.83	46.00	-9.17	-7.47	3	Horizontal	43	1.00	-	44.30	15.37	4.14	26.98
PK	520.82M	38.35	46.00	-7.65	-5.34	3	Horizontal	352	2.00	"Worst"	43.69	17.65	4.92	27.91
PK	760.9M	32.50	46.00	-13.50	-0.90	3	Horizontal	47	2.00	-	33.40	20.52	6.07	27.49

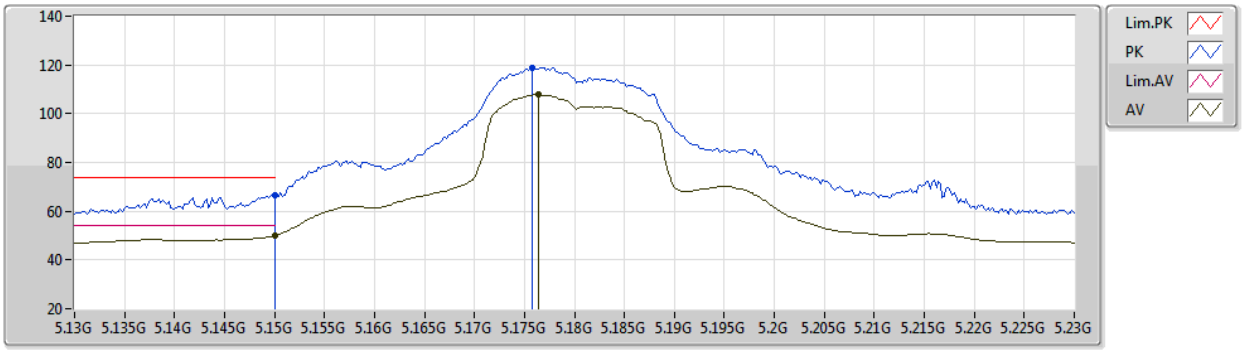
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	5.925G	68.02	68.20	-0.18	3	Vertical	328	1.02	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

16/03/2021



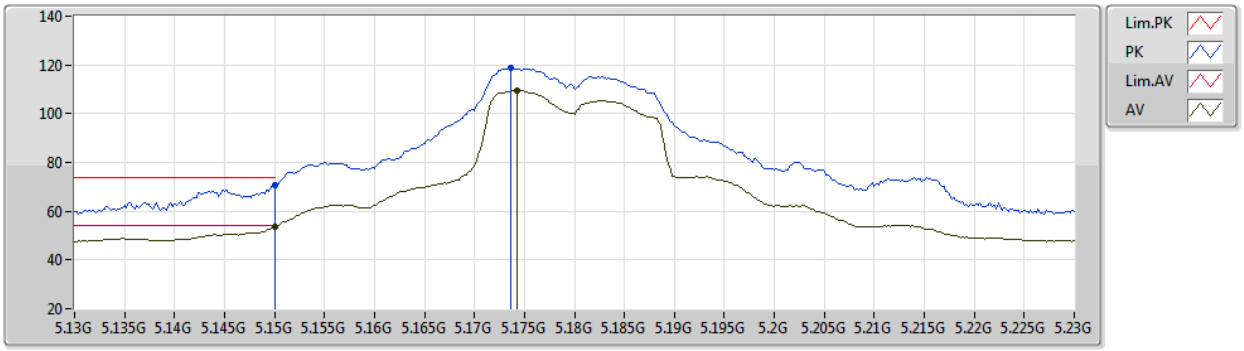
EUT Y_4TX
Setting 21.5
04-A-B-2-10

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	66.67	74.00	-7.33	61.02	3	Vertical	177	2.05	-	32.80	5.65	32.80
AV	5.15G	49.95	54.00	-4.05	44.30	3	Vertical	177	2.05	-	32.80	5.65	32.80
PK	5.1758G	118.91	Inf	-Inf	113.17	3	Vertical	177	2.05	-	32.85	5.68	32.79
AV	5.1764G	107.84	Inf	-Inf	102.10	3	Vertical	177	2.05	-	32.85	5.68	32.79

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

16/03/2021



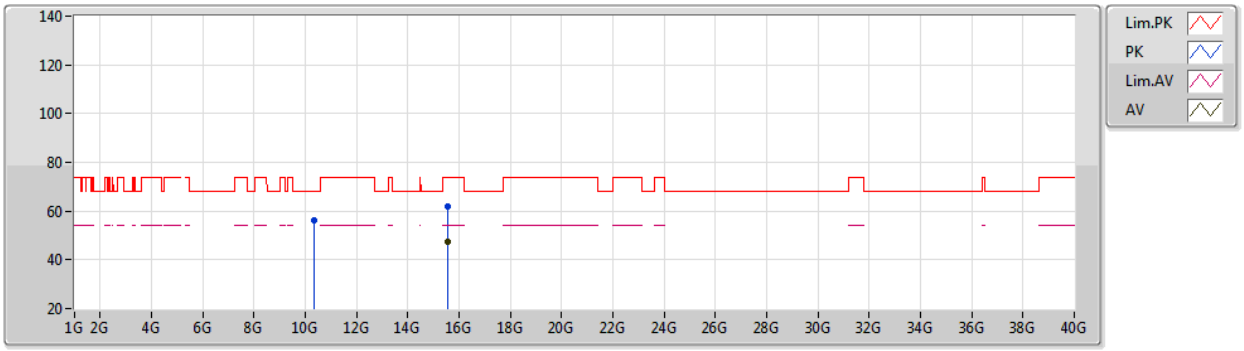
EUT Y_4TX
Setting 21.5
04-A-B-2-10

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	70.86	74.00	-3.14	65.21	3	Horizontal	292	1.90	-	32.80	5.65	32.80
AV	5.15G	53.56	54.00	-0.44	47.91	3	Horizontal	292	1.90	-	32.80	5.65	32.80
PK	5.1736G	118.75	Inf	-Inf	113.02	3	Horizontal	292	1.90	-	32.85	5.67	32.79
AV	5.1742G	109.40	Inf	-Inf	103.67	3	Horizontal	292	1.90	-	32.85	5.67	32.79

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

16/03/2021



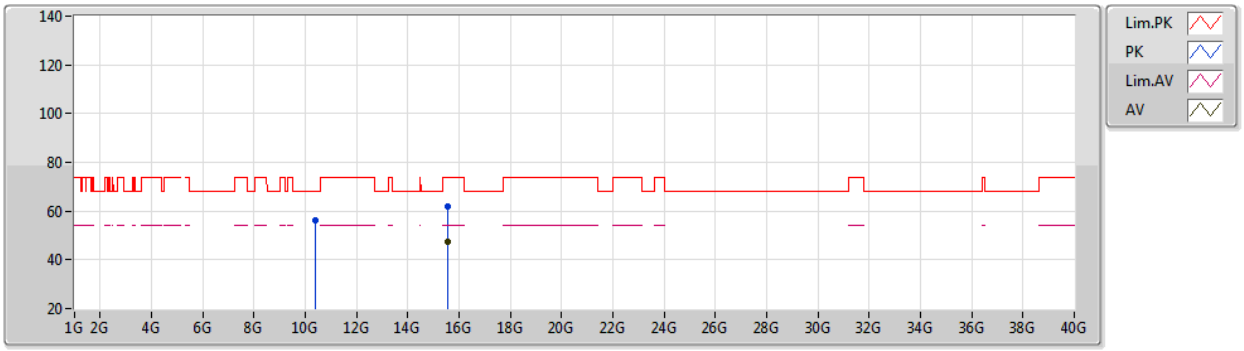
EUT Y_4TX
Setting 21.5
04-A-B-2

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	10.35112G	56.09	68.20	-12.11	41.92	3	Vertical	58	2.07	-	38.65	8.78	33.26
PK	15.5397G	61.86	74.00	-12.14	45.91	3	Vertical	176	2.88	-	38.48	11.75	34.28
AV	15.53964G	47.22	54.00	-6.78	31.27	3	Vertical	176	2.88	-	38.48	11.75	34.28

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

16/03/2021



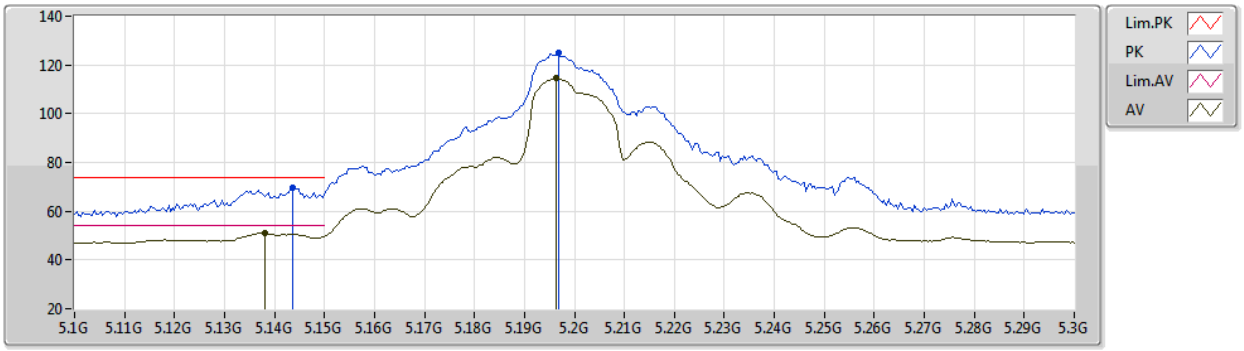
EUT Y_4TX
Setting 21.5
04-A-B-2

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	10.36966G	56.18	68.20	-12.02	42.00	3	Horizontal	120	1.80	-	38.67	8.78	33.27
PK	15.543G	61.75	74.00	-12.25	45.81	3	Horizontal	191	1.80	-	38.47	11.76	34.29
AV	15.54798G	47.37	54.00	-6.63	31.44	3	Horizontal	191	1.80	-	38.46	11.76	34.29

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

16/03/2021



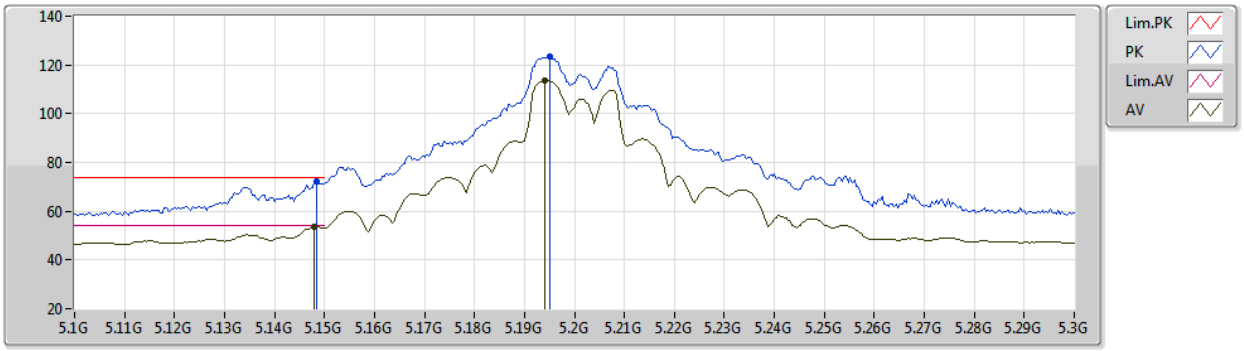
EUT Y_4TX
Setting 27.5
04-A-B-2-10

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	5.1436G	69.55	74.00	-4.45	63.91	3	Vertical	179	1.99	-	32.80	5.64	32.80
AV	5.138G	51.01	54.00	-2.99	45.37	3	Vertical	179	1.99	-	32.80	5.64	32.80
PK	5.1968G	124.95	Inf	-Inf	119.14	3	Vertical	179	1.99	-	32.89	5.70	32.78
AV	5.1964G	114.53	Inf	-Inf	108.72	3	Vertical	179	1.99	-	32.89	5.70	32.78

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

16/03/2021



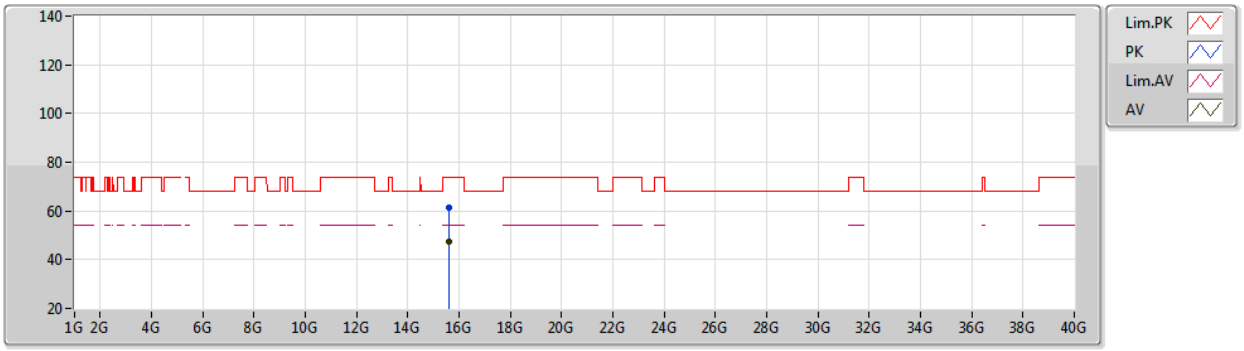
EUT Y_4TX
Setting 27.5
04-A-B-2-10

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	5.1484G	72.42	74.00	-1.58	66.77	3	Horizontal	192	1.80	-	32.80	5.65	32.80
AV	5.148G	53.64	54.00	-0.36	47.99	3	Horizontal	192	1.80	-	32.80	5.65	32.80
PK	5.1952G	123.58	Inf	-Inf	117.77	3	Horizontal	192	1.80	-	32.89	5.70	32.78
AV	5.194G	113.70	Inf	-Inf	107.90	3	Horizontal	192	1.80	-	32.89	5.69	32.78

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

16/03/2021



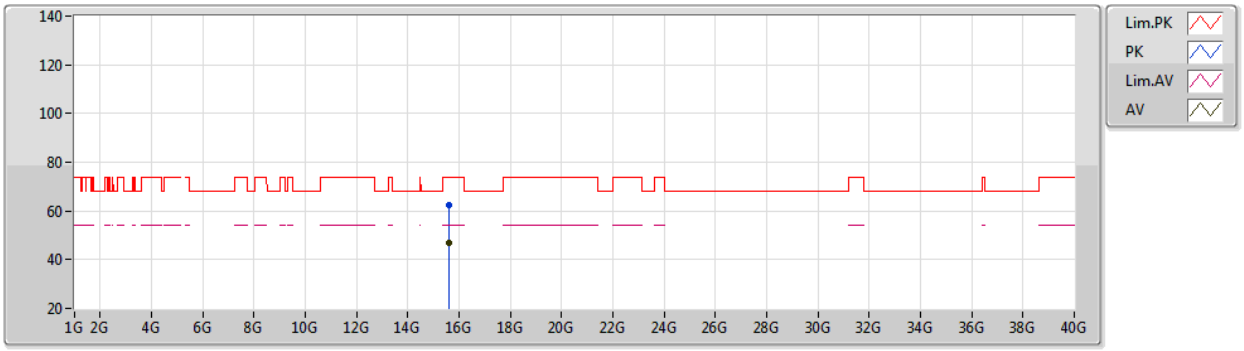
EUT Y_4TX
Setting 27.5
04-A-B-2

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	15.59942G	61.38	74.00	-12.62	45.60	3	Vertical	53	1.85	-	38.30	11.80	34.32
AV	15.59868G	47.38	54.00	-6.62	31.60	3	Vertical	53	1.85	-	38.30	11.80	34.32

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

16/03/2021



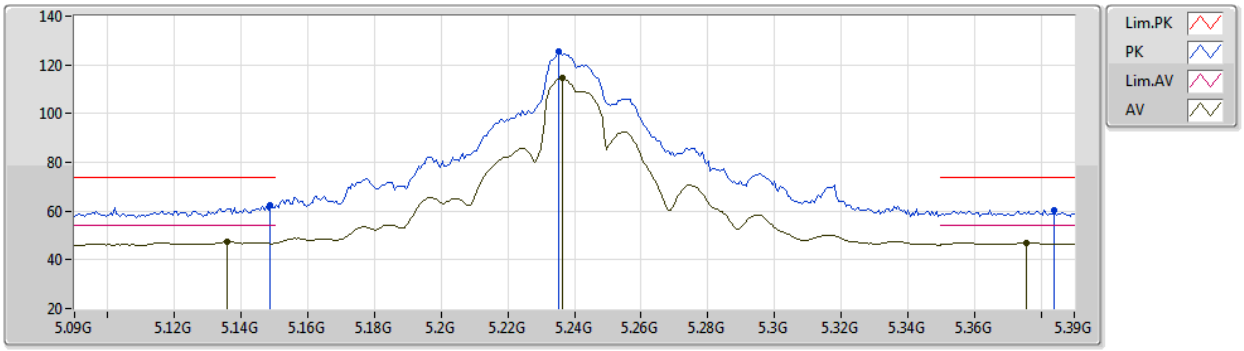
EUT Y_4TX
Setting 27.5
04-A-B-2

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	15.60378G	62.32	74.00	-11.68	46.53	3	Horizontal	60	1.80	-	38.31	11.80	34.32
AV	15.6G	46.92	54.00	-7.08	31.14	3	Horizontal	60	1.80	-	38.30	11.80	34.32

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

16/03/2021



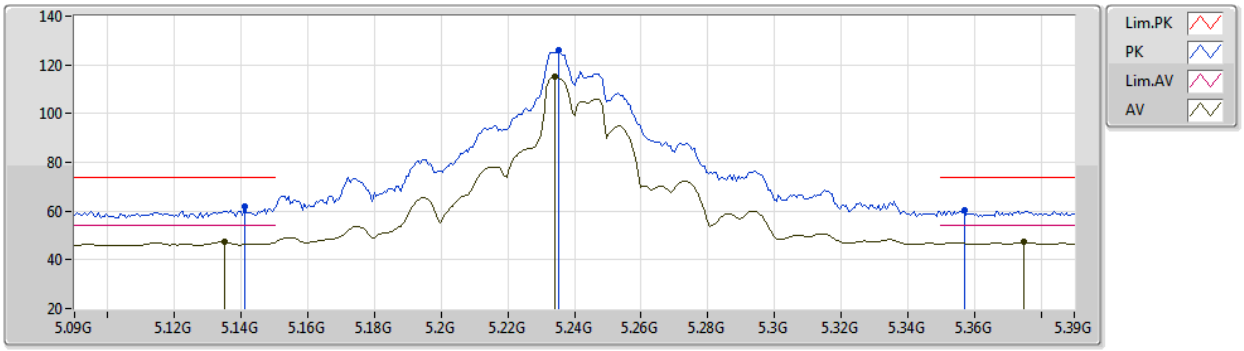
EUT Y_4TX
Setting 29
04-A-B-2-10

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	62.67	74.00	-11.33	57.02	3	Vertical	179	1.95	-	32.80	5.65	32.80
AV	5.1356G	47.34	54.00	-6.66	41.70	3	Vertical	179	1.95	-	32.80	5.64	32.80
PK	5.2352G	125.39	Inf	-Inf	119.54	3	Vertical	179	1.95	-	32.90	5.72	32.77
AV	5.2364G	114.43	Inf	-Inf	108.57	3	Vertical	179	1.95	-	32.90	5.72	32.76
PK	5.384G	60.44	74.00	-13.56	54.09	3	Vertical	179	1.95	-	33.27	5.79	32.71
AV	5.3756G	47.12	54.00	-6.88	40.84	3	Vertical	179	1.95	-	33.20	5.79	32.71

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

16/03/2021



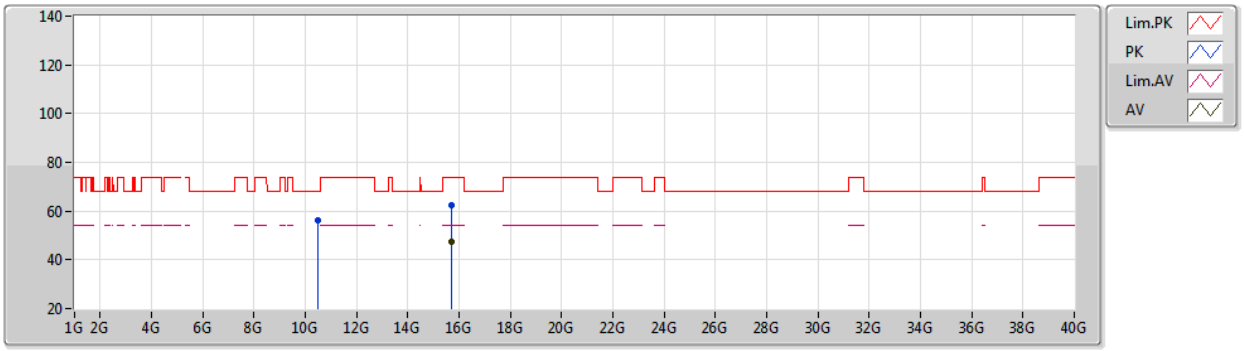
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.141G	61.92	74.00	-12.08	56.28	3	Horizontal	298	2.18	-	32.80	5.64	32.80
AV	5.135G	47.30	54.00	-6.70	41.66	3	Horizontal	298	2.18	-	32.80	5.64	32.80
PK	5.2352G	125.81	Inf	-Inf	119.96	3	Horizontal	298	2.18	-	32.90	5.72	32.77
AV	5.234G	115.05	Inf	-Inf	109.20	3	Horizontal	298	2.18	-	32.90	5.72	32.77
PK	5.357G	60.24	74.00	-13.76	54.12	3	Horizontal	298	2.18	-	33.06	5.78	32.72
AV	5.375G	47.20	54.00	-6.80	40.93	3	Horizontal	298	2.18	-	33.20	5.79	32.72

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

16/03/2021



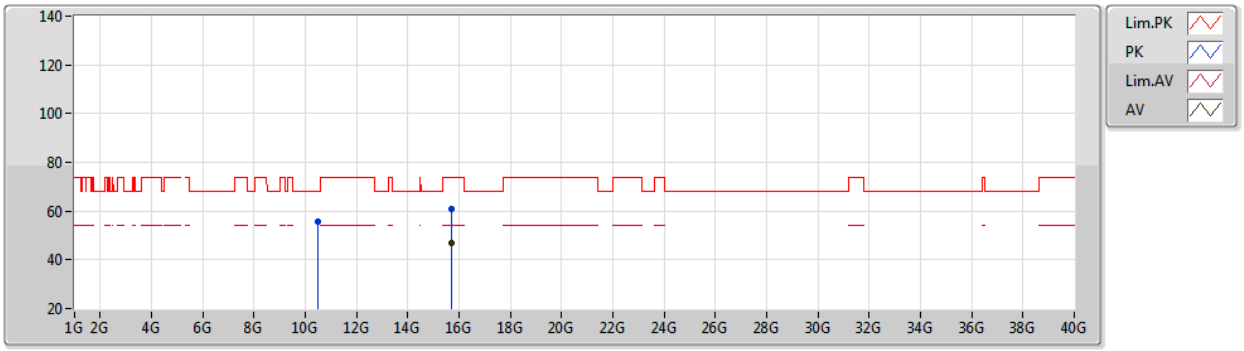
EUT Y_4TX
Setting 29
04-A-B-2

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	10.47496G	56.09	68.20	-12.11	41.67	3	Vertical	298	2.71	-	38.92	8.84	33.34
PK	15.71604G	62.48	74.00	-11.52	46.48	3	Vertical	51	1.94	-	38.50	11.89	34.39
AV	15.71868G	47.51	54.00	-6.49	31.52	3	Vertical	51	1.94	-	38.50	11.89	34.40

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

16/03/2021



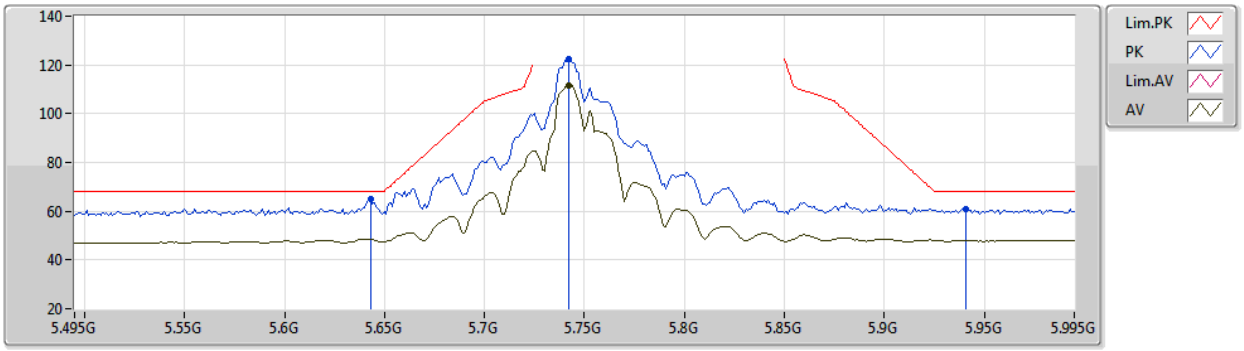
EUT Y_4TX
Setting 29
04-A-B-2

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	10.48756G	55.79	68.20	-12.41	41.33	3	Horizontal	275	1.31	-	38.96	8.84	33.34
PK	15.72174G	60.72	74.00	-13.28	44.73	3	Horizontal	48	1.80	-	38.50	11.89	34.40
AV	15.71814G	47.06	54.00	-6.94	31.07	3	Horizontal	48	1.80	-	38.50	11.89	34.40

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

16/03/2021



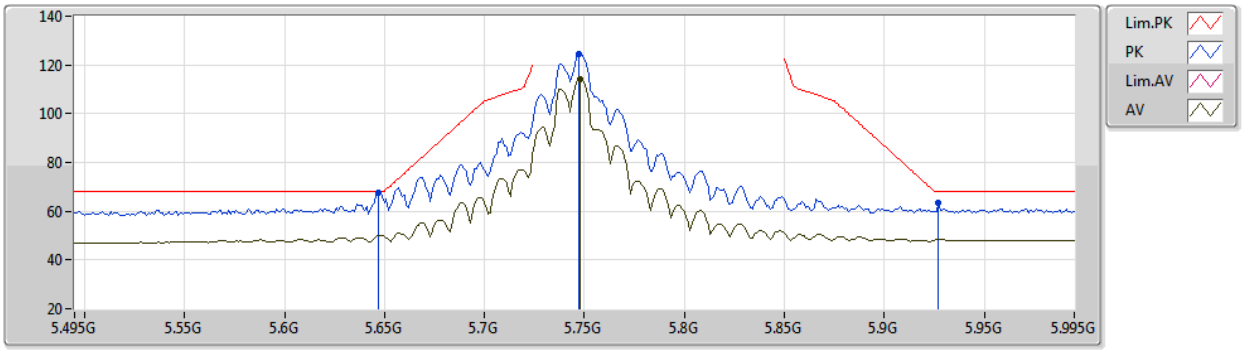
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.643G	64.86	68.20	-3.34	57.76	3	Vertical	343	1.72	-	33.90	5.92	32.72
PK	5.742G	122.27	Inf	-Inf	114.88	3	Vertical	343	1.72	-	34.17	5.97	32.75
AV	5.742G	111.75	Inf	-Inf	104.36	3	Vertical	343	1.72	-	34.17	5.97	32.75
PK	5.941G	60.83	68.20	-7.37	52.54	3	Vertical	343	1.72	-	34.96	6.14	32.81

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

16/03/2021



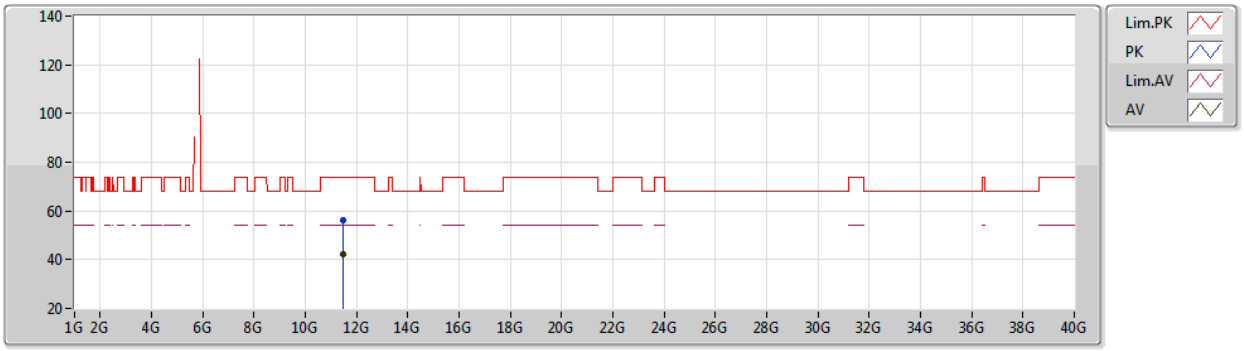
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.647G	67.65	68.20	-0.55	60.55	3	Horizontal	274	1.39	-	33.90	5.92	32.72
PK	5.747G	124.64	Inf	-Inf	117.23	3	Horizontal	274	1.39	-	34.19	5.97	32.75
AV	5.748G	114.31	Inf	-Inf	106.90	3	Horizontal	274	1.39	-	34.19	5.97	32.75
PK	5.927G	63.25	68.20	-4.95	55.02	3	Horizontal	274	1.39	-	34.91	6.13	32.81

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

16/03/2021



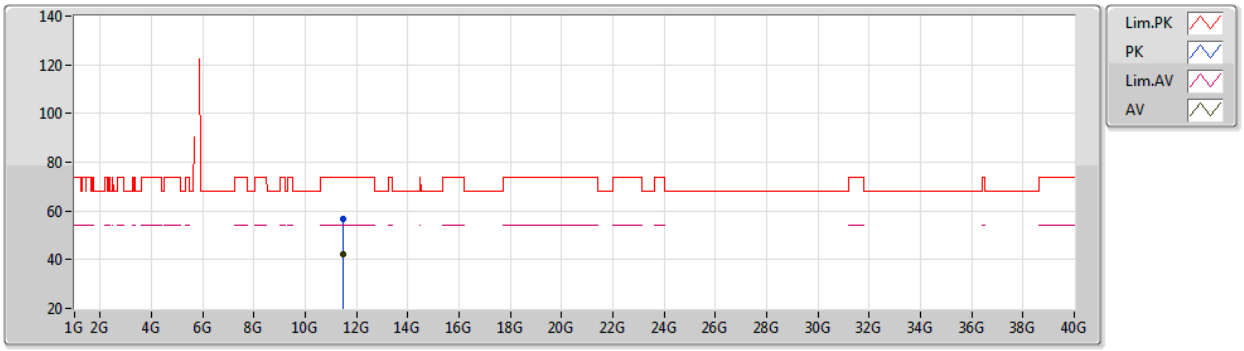
EUT Y_4TX
Setting 29
04-A-B-2

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	11.48728G	56.31	74.00	-17.69	41.83	3	Vertical	156	1.80	-	39.20	9.34	34.06
AV	11.4896G	42.38	54.00	-11.62	27.90	3	Vertical	156	1.80	-	39.20	9.34	34.06

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

16/03/2021



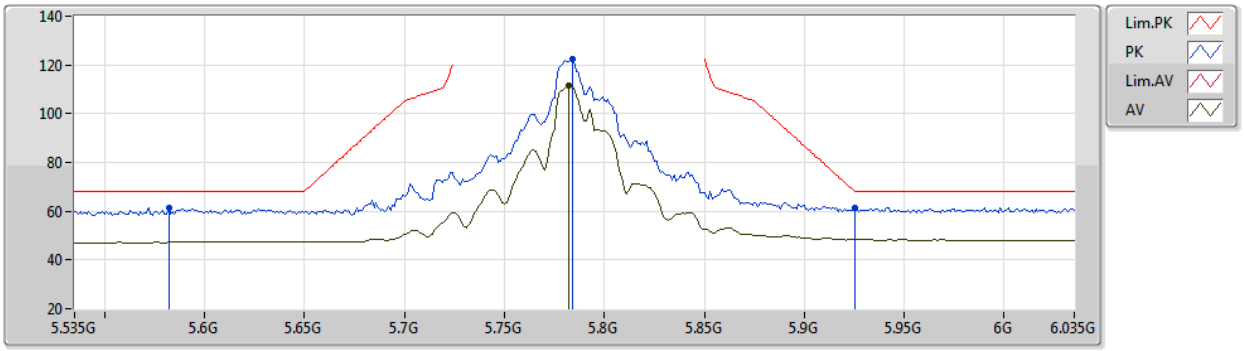
EUT Y_4TX
Setting 29
04-A-B-2

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	11.48562G	56.68	74.00	-17.32	42.20	3	Horizontal	221	1.80	-	39.20	9.34	34.06
AV	11.48976G	42.29	54.00	-11.71	27.81	3	Horizontal	221	1.80	-	39.20	9.34	34.06

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

16/03/2021



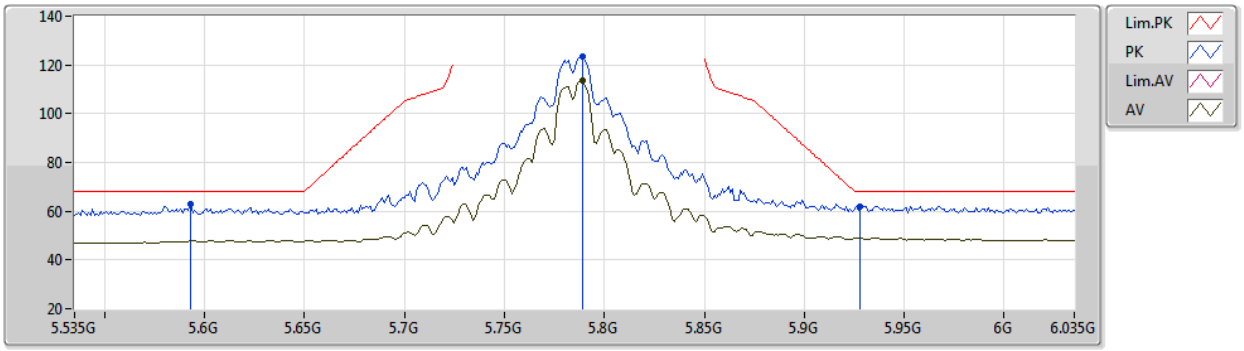
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.582G	61.23	68.20	-6.97	54.18	3	Vertical	344	1.71	-	33.86	5.89	32.70
PK	5.784G	122.21	Inf	-Inf	114.78	3	Vertical	344	1.71	-	34.20	5.99	32.76
AV	5.782G	111.36	Inf	-Inf	103.93	3	Vertical	344	1.71	-	34.20	5.99	32.76
PK	5.925G	61.61	68.20	-6.59	53.39	3	Vertical	344	1.71	-	34.90	6.13	32.81

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

16/03/2021



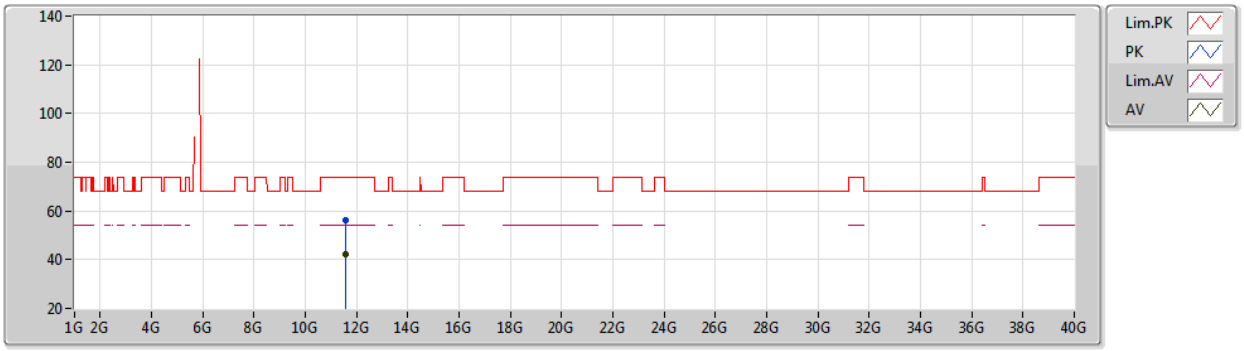
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.593G	62.90	68.20	-5.30	55.81	3	Horizontal	279	2.24	-	33.89	5.90	32.70
PK	5.789G	123.42	Inf	-Inf	115.99	3	Horizontal	279	2.24	-	34.20	5.99	32.76
AV	5.789G	113.47	Inf	-Inf	106.04	3	Horizontal	279	2.24	-	34.20	5.99	32.76
PK	5.928G	61.81	68.20	-6.39	53.58	3	Horizontal	279	2.24	-	34.91	6.13	32.81

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

16/03/2021



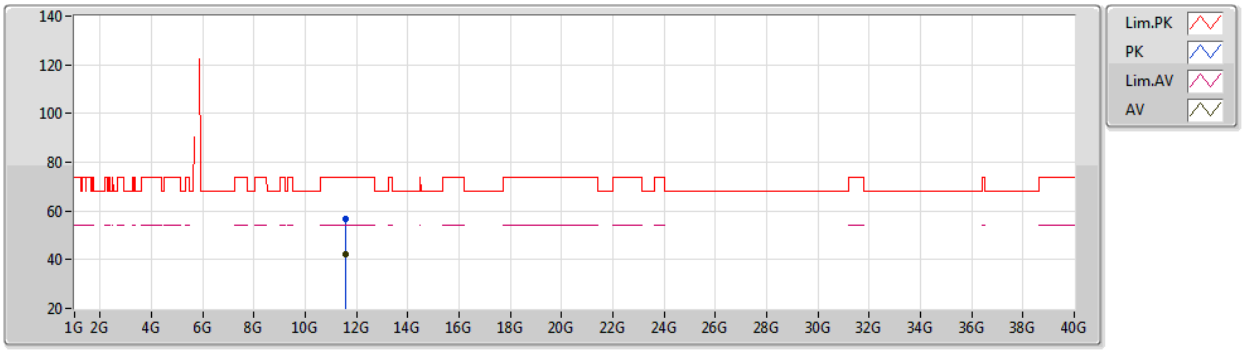
EUT Y_4TX
Setting 29
04-A-B-2

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	11.57382G	56.23	74.00	-17.77	41.83	3	Vertical	258	1.74	-	39.13	9.39	34.12
AV	11.574G	42.07	54.00	-11.93	27.67	3	Vertical	258	1.74	-	39.13	9.39	34.12

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

16/03/2021



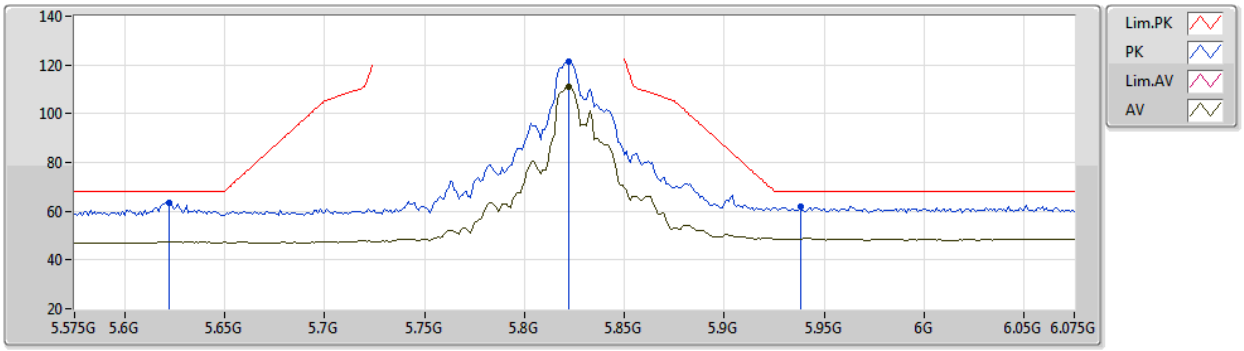
EUT Y_4TX
Setting 29
04-A-B-2

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	11.57276G	56.54	74.00	-17.46	42.14	3	Horizontal	66	1.25	-	39.13	9.39	34.12
AV	11.57398G	42.16	54.00	-11.84	27.76	3	Horizontal	66	1.25	-	39.13	9.39	34.12

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

16/03/2021



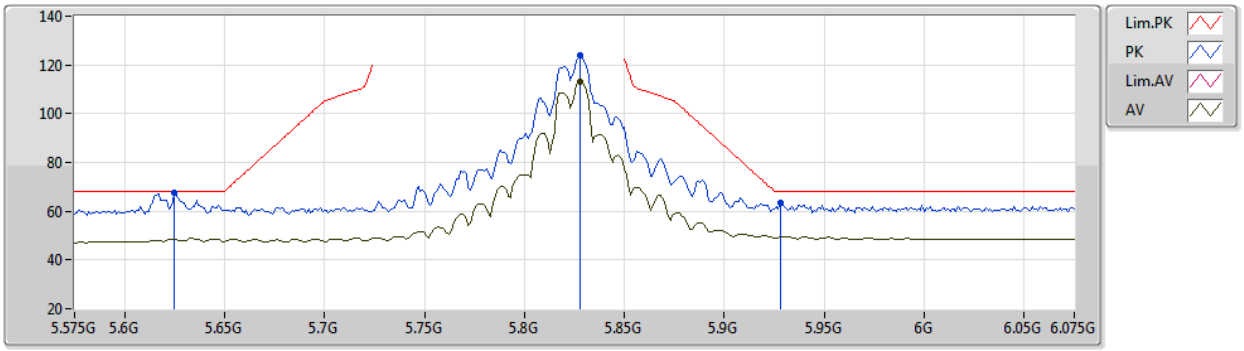
EUT Y_4TX
Setting 26.5
04-A-B-2-10

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	5.622G	63.33	68.20	-4.87	56.23	3	Vertical	48	2.03	-	33.90	5.91	32.71
PK	5.822G	121.27	Inf	-Inf	113.69	3	Vertical	48	2.03	-	34.33	6.02	32.77
AV	5.822G	111.18	Inf	-Inf	103.60	3	Vertical	48	2.03	-	34.33	6.02	32.77
PK	5.938G	61.78	68.20	-6.42	53.50	3	Vertical	48	2.03	-	34.95	6.14	32.81

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

16/03/2021



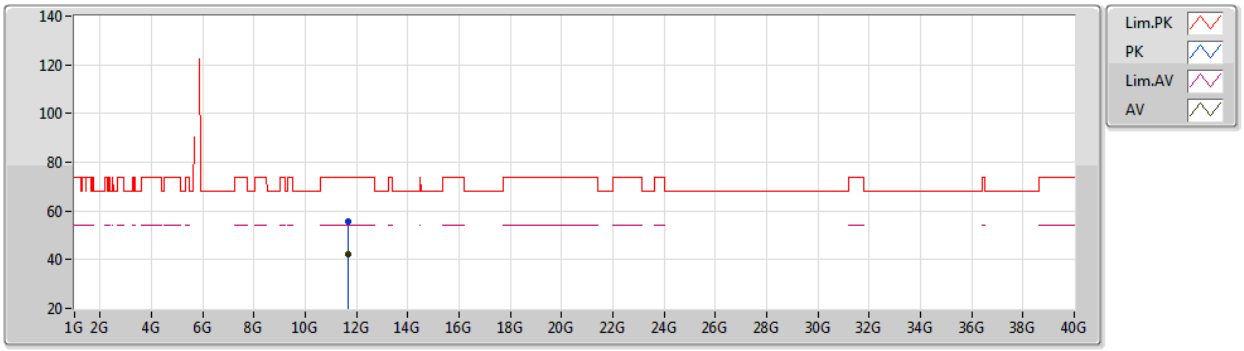
EUT Y_4TX
Setting 26.5
04-A-B-2-10

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	5.625G	67.55	68.20	-0.65	60.45	3	Horizontal	275	1.40	-	33.90	5.91	32.71
PK	5.828G	123.78	Inf	-Inf	116.15	3	Horizontal	275	1.40	-	34.37	6.03	32.77
AV	5.828G	113.19	Inf	-Inf	105.56	3	Horizontal	275	1.40	-	34.37	6.03	32.77
PK	5.928G	63.63	68.20	-4.57	55.40	3	Horizontal	275	1.40	-	34.91	6.13	32.81

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

16/03/2021



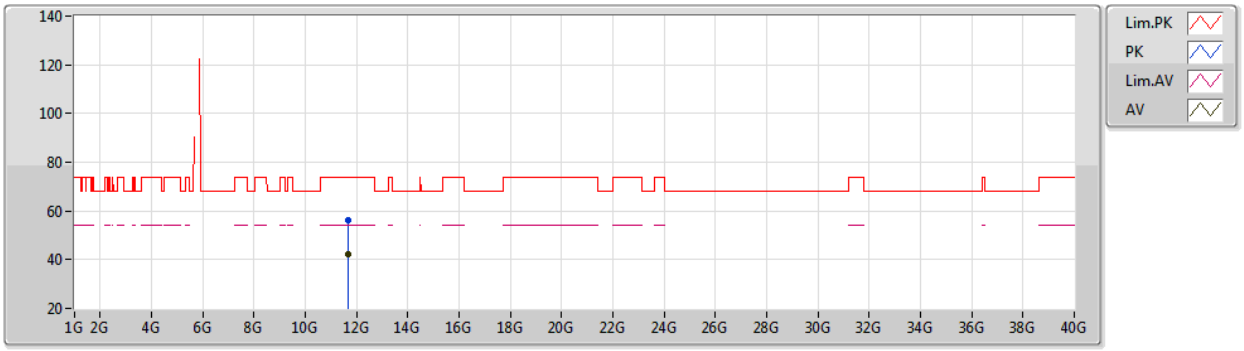
EUT Y_4TX
Setting 26.5
04-A-B-2

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	11.64971G	55.77	74.00	-18.23	41.46	3	Vertical	313	2.41	-	39.05	9.42	34.16
AV	11.65009G	42.04	54.00	-11.96	27.72	3	Vertical	313	2.41	-	39.05	9.43	34.16

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

16/03/2021



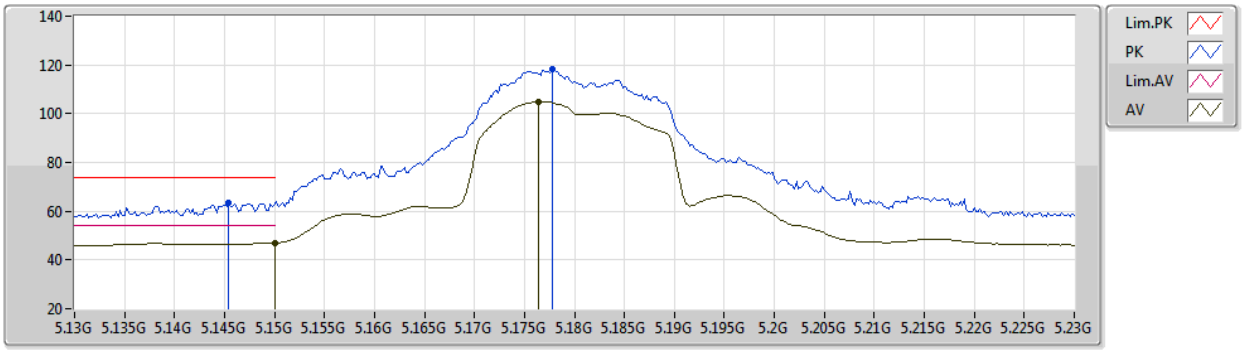
EUT Y_4TX
Setting 26.5
04-A-B-2

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	11.65008G	56.36	74.00	-17.64	42.04	3	Horizontal	294	1.53	-	39.05	9.43	34.16
AV	11.65022G	42.00	54.00	-12.00	27.68	3	Horizontal	294	1.53	-	39.05	9.43	34.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

16/03/2021



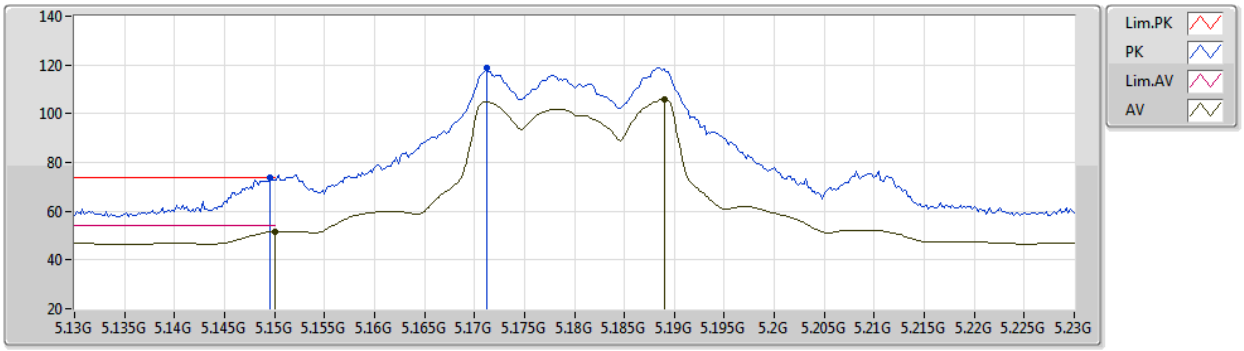
EUT Y_4TX
Setting 19
04-A-B-2-10

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	5.1454G	63.70	74.00	-10.30	58.05	3	Vertical	177	2.06	-	32.80	5.65	32.80
AV	5.15G	46.94	54.00	-7.06	41.29	3	Vertical	177	2.06	-	32.80	5.65	32.80
PK	5.1778G	118.39	Inf	-Inf	112.64	3	Vertical	177	2.06	-	32.86	5.68	32.79
AV	5.1764G	104.92	Inf	-Inf	99.18	3	Vertical	177	2.06	-	32.85	5.68	32.79

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

16/03/2021



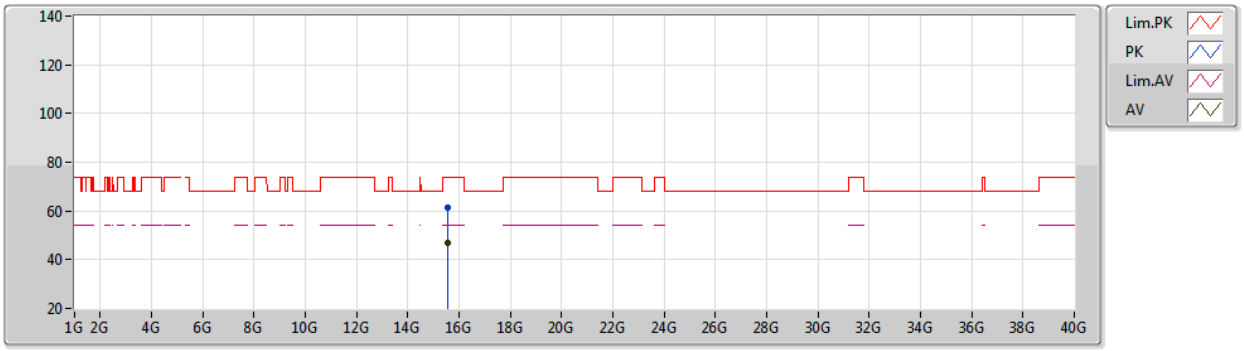
EUT Y_4TX
Setting 19
04-A-B-2-10

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	5.1496G	73.68	74.00	-0.32	68.03	3	Horizontal	248	1.93	-	32.80	5.65	32.80
AV	5.15G	51.67	54.00	-2.33	46.02	3	Horizontal	248	1.93	-	32.80	5.65	32.80
PK	5.1712G	119.01	Inf	-Inf	113.29	3	Horizontal	248	1.93	-	32.84	5.67	32.79
AV	5.189G	105.86	Inf	-Inf	100.07	3	Horizontal	248	1.93	-	32.88	5.69	32.78

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

16/03/2021



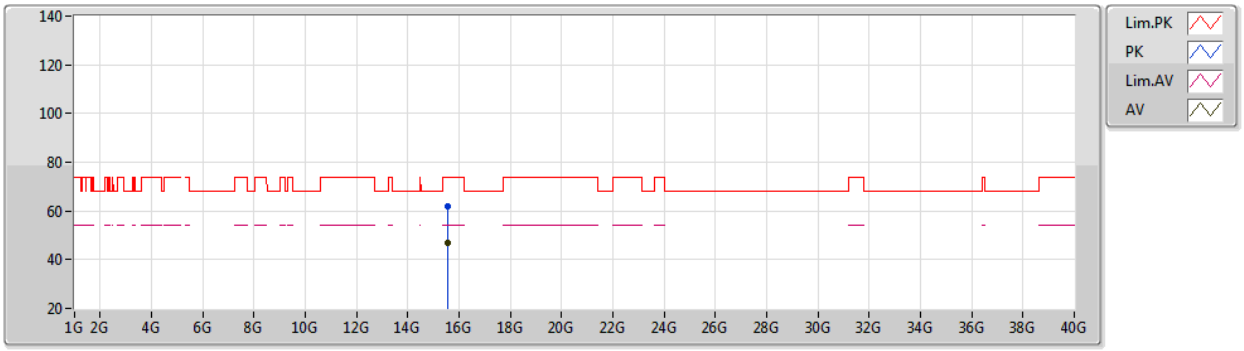
EUT Y_4TX
Setting 19
04-A-B-2

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	15.53956G	61.29	74.00	-12.71	45.34	3	Vertical	228	1.09	-	38.48	11.75	34.28
AV	15.54014G	47.06	54.00	-6.94	31.10	3	Vertical	228	1.09	-	38.48	11.76	34.28

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

16/03/2021



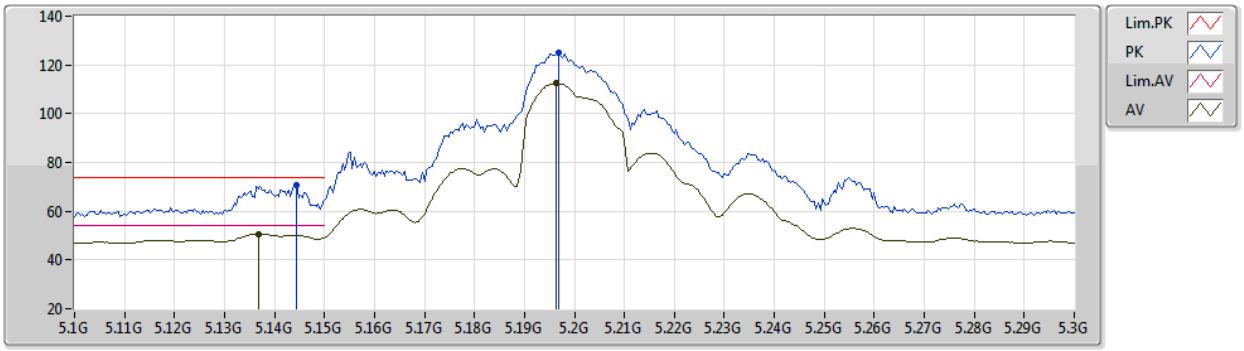
EUT Y_4TX
Setting 19
04-A-B-2

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	15.53986G	61.90	74.00	-12.10	45.95	3	Horizontal	113	1.67	-	38.48	11.75	34.28
AV	15.53962G	47.03	54.00	-6.97	31.08	3	Horizontal	113	1.67	-	38.48	11.75	34.28

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

16/03/2021



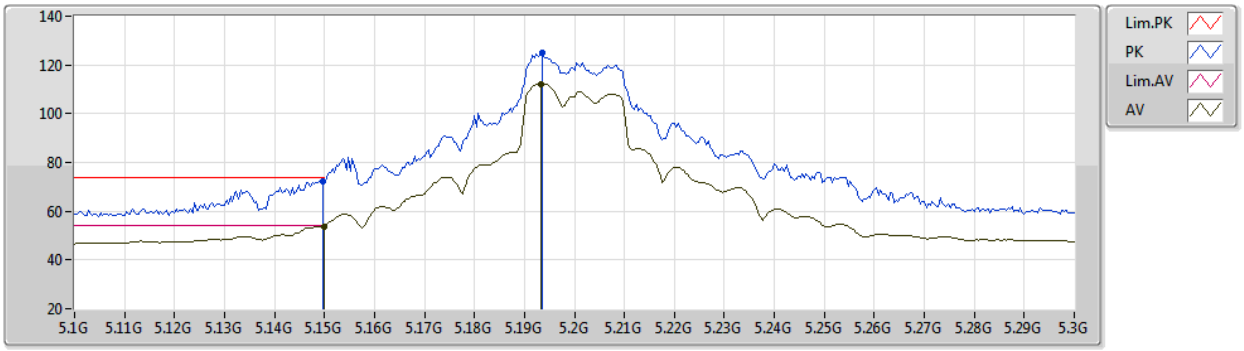
EUT Y_4TX
Setting 26
04-A-B-2-10

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	5.1444G	70.57	74.00	-3.43	64.93	3	Vertical	179	1.98	-	32.80	5.64	32.80
AV	5.1368G	50.69	54.00	-3.31	45.05	3	Vertical	179	1.98	-	32.80	5.64	32.80
PK	5.1968G	124.85	Inf	-Inf	119.04	3	Vertical	179	1.98	-	32.89	5.70	32.78
AV	5.1964G	112.37	Inf	-Inf	106.56	3	Vertical	179	1.98	-	32.89	5.70	32.78

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

16/03/2021



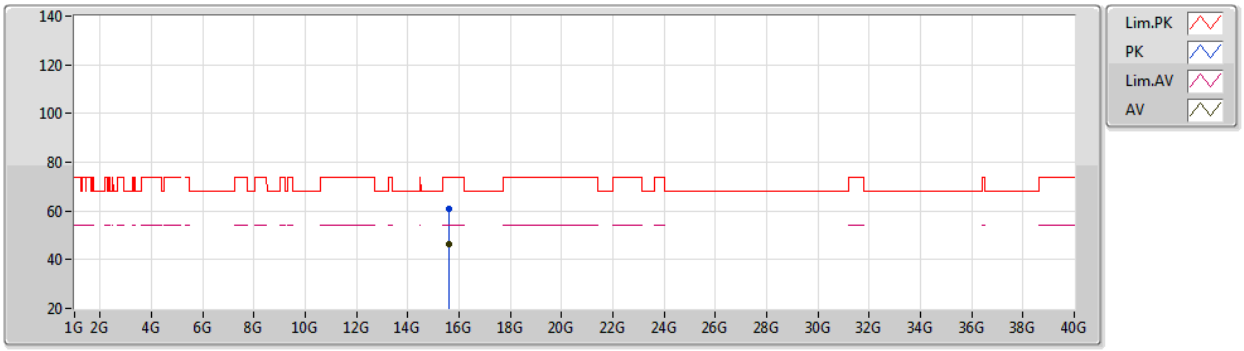
EUT Y_4TX
Setting 26
04-A-B-2-10

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	5.1496G	72.29	74.00	-1.71	66.64	3	Horizontal	196	2.38	-	32.80	5.65	32.80
AV	5.15G	53.75	54.00	-0.25	48.10	3	Horizontal	196	2.38	-	32.80	5.65	32.80
PK	5.1936G	125.11	Inf	-Inf	119.31	3	Horizontal	196	2.38	-	32.89	5.69	32.78
AV	5.1932G	112.30	Inf	-Inf	106.50	3	Horizontal	196	2.38	-	32.89	5.69	32.78

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

16/03/2021



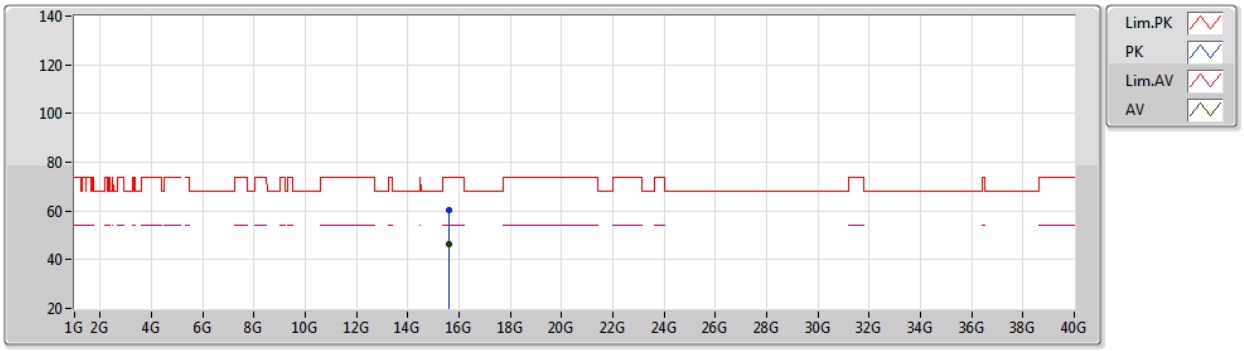
EUT Y_4TX
Setting 26
04-A-B-2

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	15.60047G	60.68	74.00	-13.32	44.90	3	Vertical	257	2.25	-	38.30	11.80	34.32
AV	15.6006G	46.42	54.00	-7.58	30.64	3	Vertical	257	2.25	-	38.30	11.80	34.32

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

16/03/2021



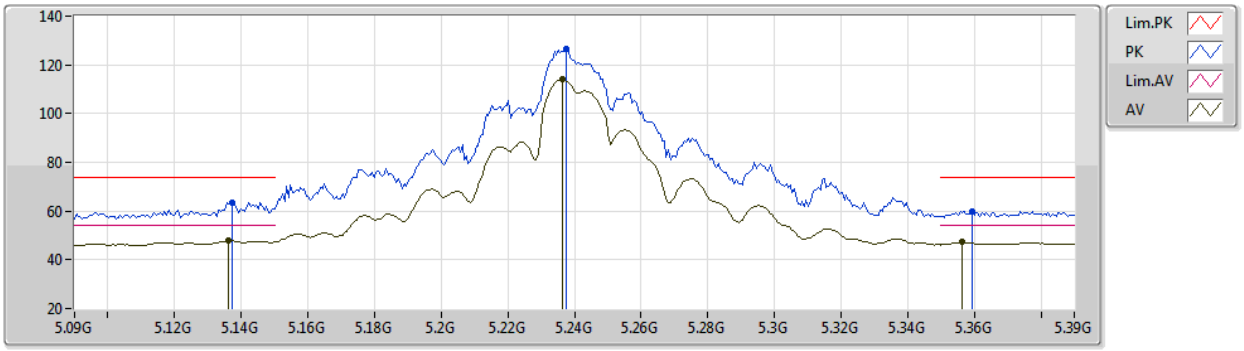
EUT Y_4TX
Setting 26
04-A-B-2

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	15.5991G	60.48	74.00	-13.52	44.70	3	Horizontal	201	1.51	-	38.30	11.80	34.32
AV	15.60006G	46.42	54.00	-7.58	30.64	3	Horizontal	201	1.51	-	38.30	11.80	34.32

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

16/03/2021



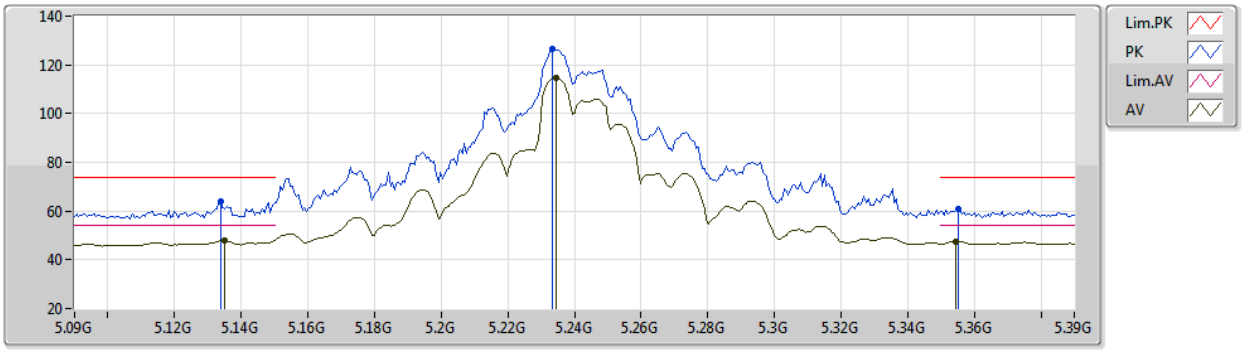
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.1374G	63.65	74.00	-10.35	58.01	3	Vertical	176	1.95	-	32.80	5.64	32.80
AV	5.1362G	47.81	54.00	-6.19	42.17	3	Vertical	176	1.95	-	32.80	5.64	32.80
PK	5.2376G	126.47	Inf	-Inf	120.61	3	Vertical	176	1.95	-	32.90	5.72	32.76
AV	5.2364G	113.92	Inf	-Inf	108.06	3	Vertical	176	1.95	-	32.90	5.72	32.76
PK	5.3594G	60.00	74.00	-14.00	53.86	3	Vertical	176	1.95	-	33.08	5.78	32.72
AV	5.3564G	47.24	54.00	-6.76	41.13	3	Vertical	176	1.95	-	33.05	5.78	32.72

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

16/03/2021



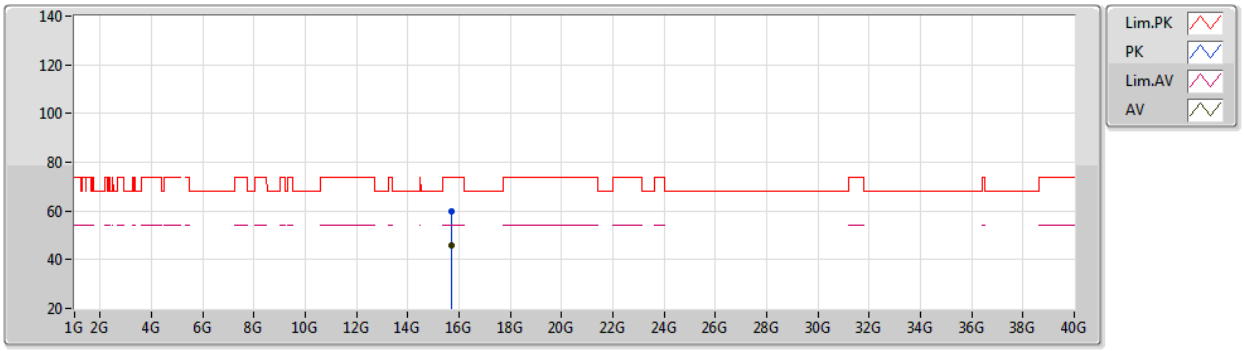
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.1338G	63.86	74.00	-10.14	58.23	3	Horizontal	298	2.16	-	32.80	5.63	32.80
AV	5.135G	47.86	54.00	-6.14	42.22	3	Horizontal	298	2.16	-	32.80	5.64	32.80
PK	5.2334G	126.49	Inf	-Inf	120.64	3	Horizontal	298	2.16	-	32.90	5.72	32.77
AV	5.2346G	114.85	Inf	-Inf	109.00	3	Horizontal	298	2.16	-	32.90	5.72	32.77
PK	5.3552G	60.92	74.00	-13.08	54.82	3	Horizontal	298	2.16	-	33.04	5.78	32.72
AV	5.3546G	47.51	54.00	-6.49	41.41	3	Horizontal	298	2.16	-	33.04	5.78	32.72

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

16/03/2021



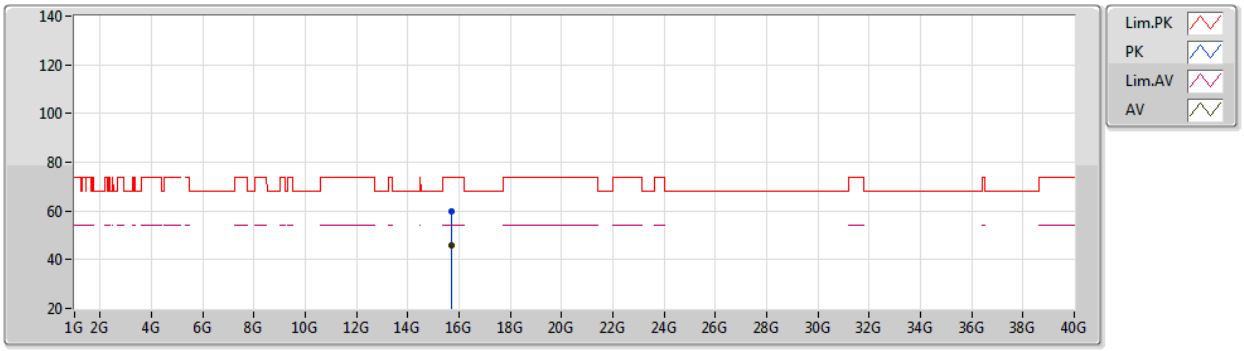
EUT Y_4TX
Setting 29
04-A-B-2

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	15.71976G	60.03	74.00	-13.97	44.04	3	Vertical	24	2.45	-	38.50	11.89	34.40
AV	15.71906G	45.94	54.00	-8.06	29.95	3	Vertical	24	2.45	-	38.50	11.89	34.40

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

16/03/2021



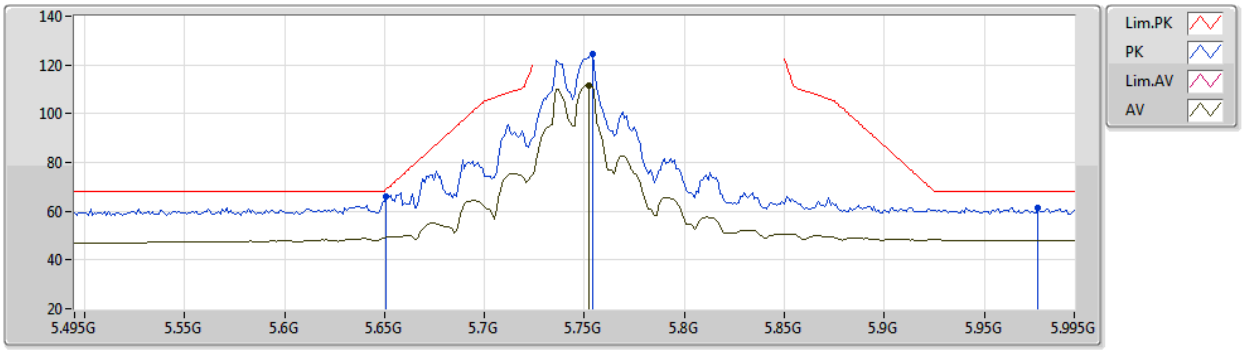
EUT Y_4TX
Setting 29
04-A-B-2

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	15.7204G	59.74	74.00	-14.26	43.75	3	Horizontal	35	2.91	-	38.50	11.89	34.40
AV	15.71998G	45.92	54.00	-8.08	29.93	3	Horizontal	35	2.91	-	38.50	11.89	34.40

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

16/03/2021



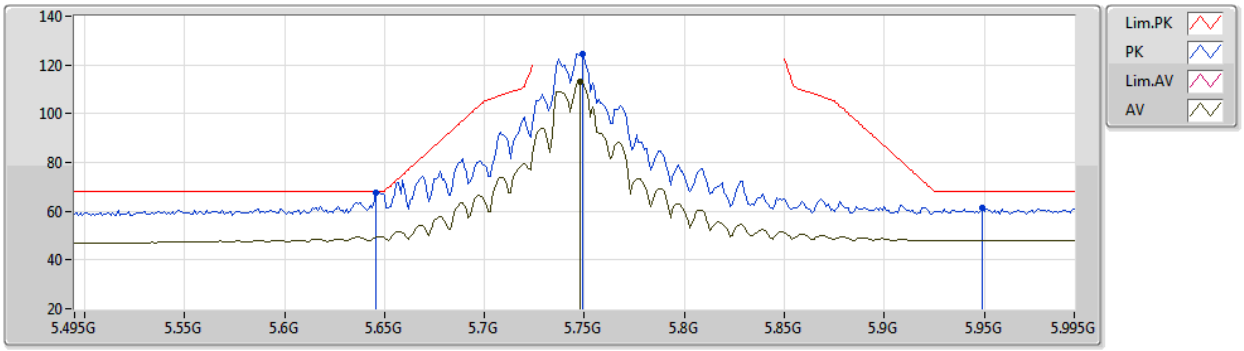
EUT Y_4TX
Setting 27
04-A-B-2-10

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	5.651G	66.05	68.94	-2.89	58.94	3	Vertical	329	1.18	-	33.90	5.93	32.72
PK	5.754G	124.23	Inf	-Inf	116.80	3	Vertical	329	1.18	-	34.20	5.98	32.75
AV	5.752G	111.61	Inf	-Inf	104.18	3	Vertical	329	1.18	-	34.20	5.98	32.75
PK	5.977G	61.43	68.20	-6.77	52.96	3	Vertical	329	1.18	-	35.11	6.18	32.82

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

16/03/2021



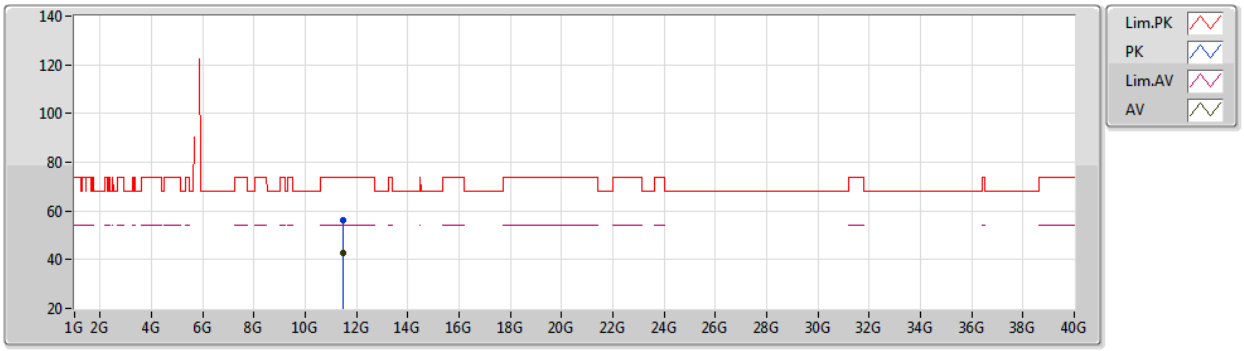
EUT Y_4TX
Setting 27
04-A-B-2-10

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	5.646G	67.71	68.20	-0.49	60.61	3	Horizontal	275	1.39	-	33.90	5.92	32.72
PK	5.749G	124.71	Inf	-Inf	117.29	3	Horizontal	275	1.39	-	34.20	5.97	32.75
AV	5.748G	113.23	Inf	-Inf	105.82	3	Horizontal	275	1.39	-	34.19	5.97	32.75
PK	5.949G	61.19	68.20	-7.01	52.85	3	Horizontal	275	1.39	-	35.00	6.15	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

16/03/2021



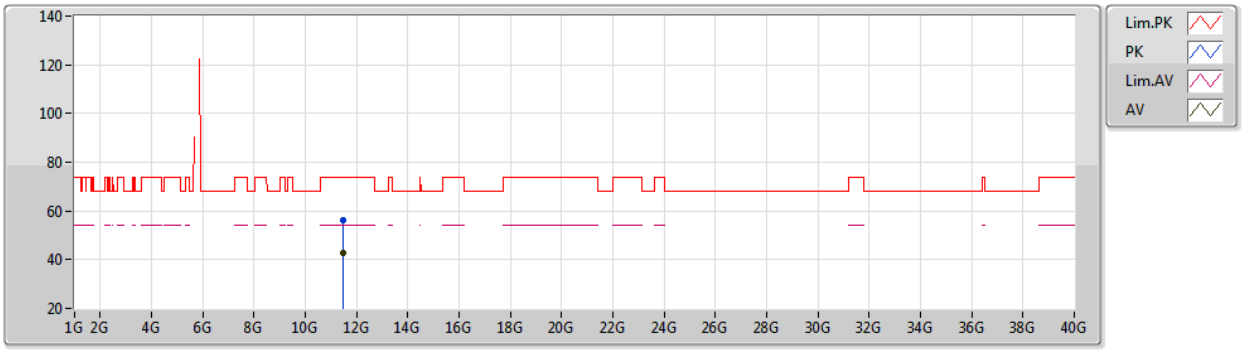
EUT Y_4TX
Setting 27
04-A-B-2

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	11.48916G	56.38	74.00	-17.62	41.90	3	Vertical	144	2.29	-	39.20	9.34	34.06
AV	11.48981G	42.62	54.00	-11.38	28.14	3	Vertical	144	2.29	-	39.20	9.34	34.06

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

16/03/2021



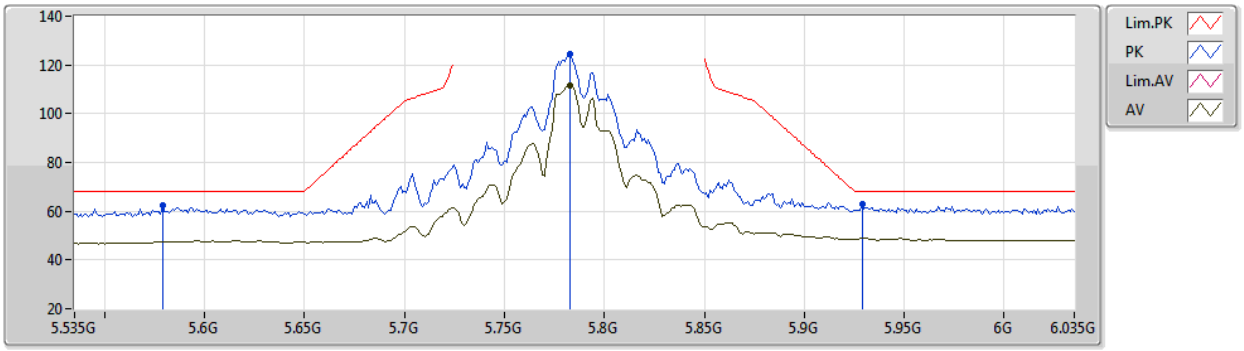
EUT Y_4TX
Setting 27
04-A-B-2

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	11.48981G	56.40	74.00	-17.60	41.92	3	Horizontal	299	2.02	-	39.20	9.34	34.06
AV	11.48982G	42.62	54.00	-11.38	28.14	3	Horizontal	299	2.02	-	39.20	9.34	34.06

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

16/03/2021



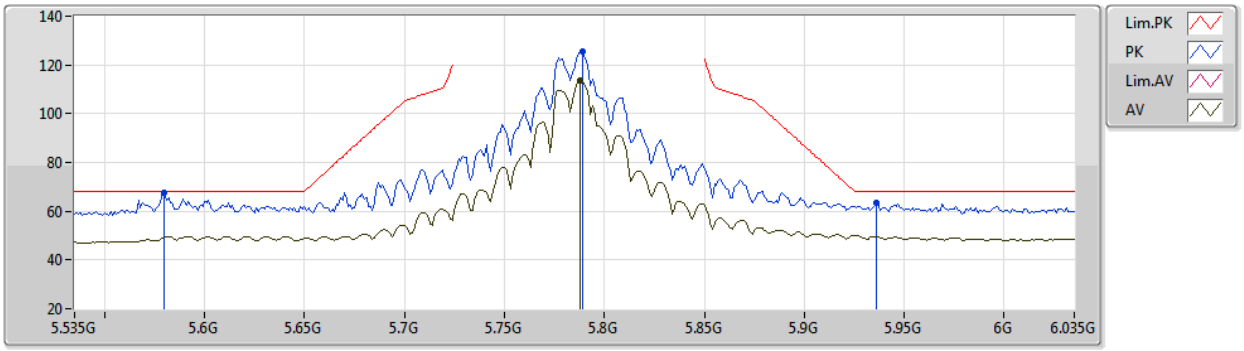
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.579G	62.19	68.20	-6.01	55.14	3	Vertical	48	2.10	-	33.86	5.89	32.70
PK	5.783G	124.47	Inf	-Inf	117.04	3	Vertical	48	2.10	-	34.20	5.99	32.76
AV	5.783G	111.39	Inf	-Inf	103.96	3	Vertical	48	2.10	-	34.20	5.99	32.76
PK	5.929G	63.03	68.20	-5.17	54.79	3	Vertical	48	2.10	-	34.92	6.13	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

16/03/2021



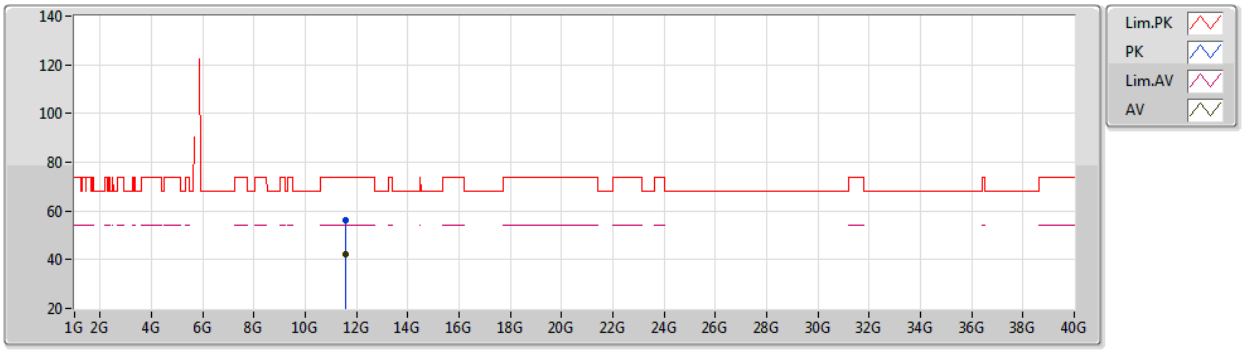
EUT Y_4TX
Setting 29
04-A-B-2-10

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	5.58G	67.82	68.20	-0.38	60.77	3	Horizontal	274	1.40	-	33.86	5.89	32.70
PK	5.789G	125.63	Inf	-Inf	118.20	3	Horizontal	274	1.40	-	34.20	5.99	32.76
AV	5.788G	113.82	Inf	-Inf	106.39	3	Horizontal	274	1.40	-	34.20	5.99	32.76
PK	5.936G	63.39	68.20	-4.81	55.12	3	Horizontal	274	1.40	-	34.94	6.14	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

16/03/2021



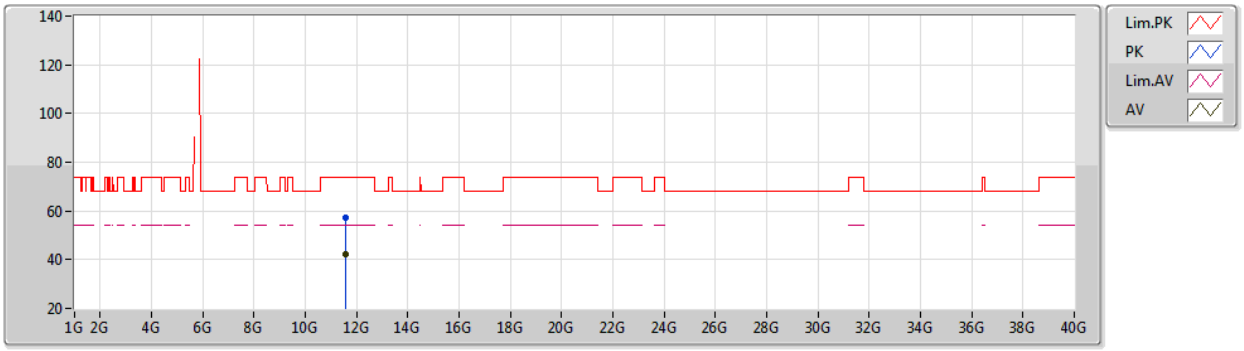
EUT Y_4TX
Setting 29
04-A-B-2

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	11.57041G	56.09	74.00	-17.91	41.68	3	Vertical	104	2.96	-	39.13	9.39	34.11
AV	11.57068G	42.20	54.00	-11.80	27.79	3	Vertical	104	2.96	-	39.13	9.39	34.11

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

16/03/2021



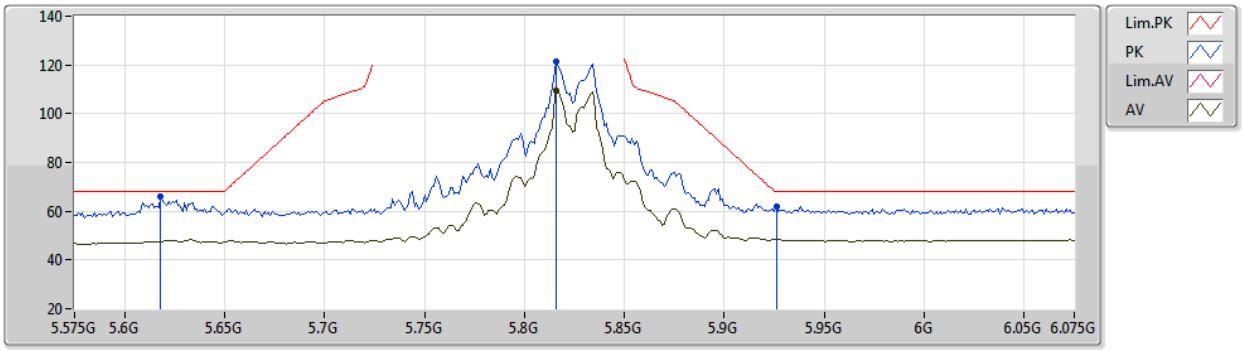
EUT Y_4TX
Setting 29
04-A-B-2

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	11.57027G	57.16	74.00	-16.84	42.75	3	Horizontal	18	2.10	-	39.13	9.39	34.11
AV	11.57078G	42.17	54.00	-11.83	27.76	3	Horizontal	18	2.10	-	39.13	9.39	34.11

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

16/03/2021



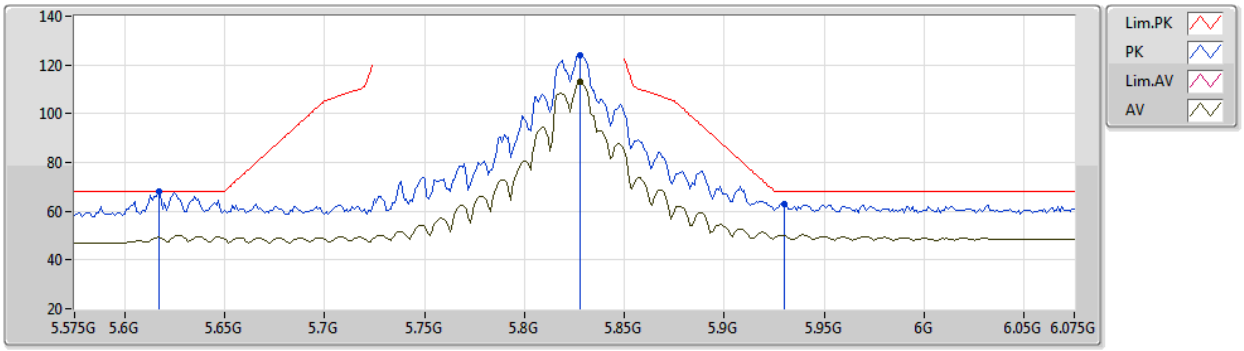
EUT Y_4TX
Setting 26.5
04-A-B-2-10

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	5.618G	65.87	68.20	-2.33	58.77	3	Vertical	297	1.80	-	33.90	5.91	32.71
PK	5.816G	121.18	Inf	-Inf	113.63	3	Vertical	297	1.80	-	34.30	6.02	32.77
AV	5.816G	109.49	Inf	-Inf	101.94	3	Vertical	297	1.80	-	34.30	6.02	32.77
PK	5.926G	62.12	68.20	-6.08	53.90	3	Vertical	297	1.80	-	34.90	6.13	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

16/03/2021



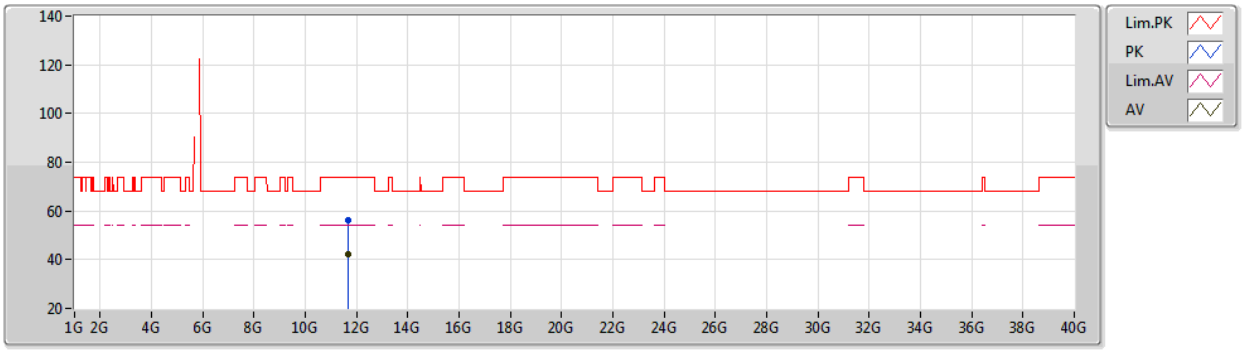
EUT Y_4TX
Setting 26.5
04-A-B-2-10

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	5.617G	67.89	68.20	-0.31	60.79	3	Horizontal	274	1.15	-	33.90	5.91	32.71
PK	5.828G	124.15	Inf	-Inf	116.52	3	Horizontal	274	1.15	-	34.37	6.03	32.77
AV	5.828G	112.95	Inf	-Inf	105.32	3	Horizontal	274	1.15	-	34.37	6.03	32.77
PK	5.93G	63.06	68.20	-5.14	54.82	3	Horizontal	274	1.15	-	34.92	6.13	32.81

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

16/03/2021



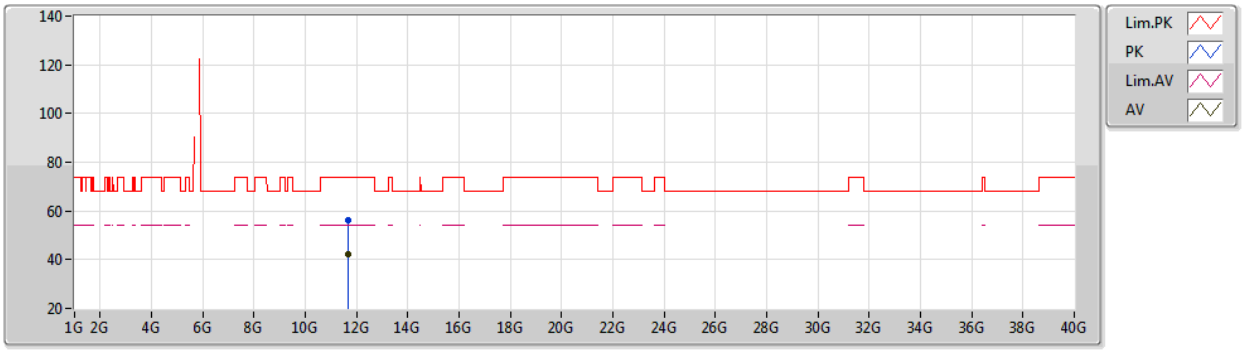
EUT Y_4TX
Setting 26.5
04-A-B-2

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	11.64921G	56.05	74.00	-17.95	41.74	3	Vertical	333	1.71	-	39.05	9.42	34.16
AV	11.65034G	42.05	54.00	-11.95	27.73	3	Vertical	333	1.71	-	39.05	9.43	34.16

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

16/03/2021



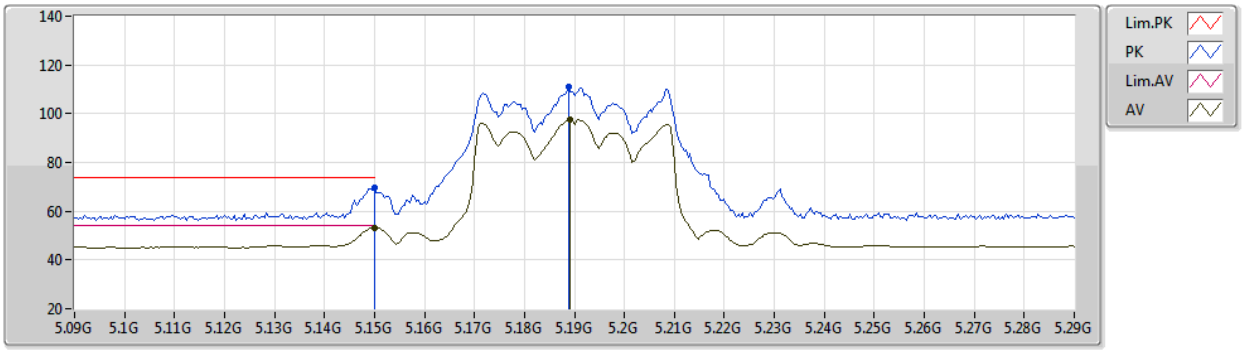
EUT Y_4TX
Setting 26.5
04-A-B-2

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	11.64947G	56.40	74.00	-17.60	42.09	3	Horizontal	249	1.06	-	39.05	9.42	34.16
AV	11.65008G	42.00	54.00	-12.00	27.68	3	Horizontal	249	1.06	-	39.05	9.43	34.16

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

16/03/2021



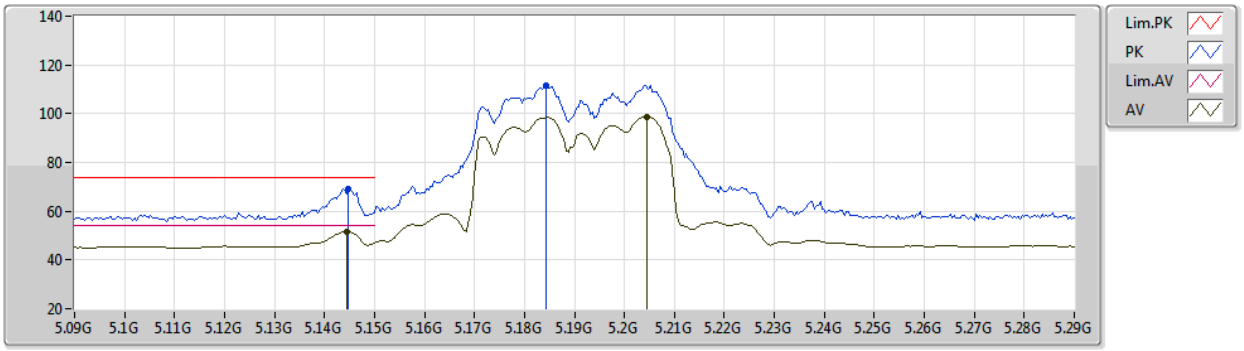
EUT Y_4TX
Setting 15.5
04-A-B-2-10

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	69.71	74.00	-4.29	64.06	3	Vertical	131	2.29	-	32.80	5.65	32.80
AV	5.15G	53.03	54.00	-0.97	47.38	3	Vertical	131	2.29	-	32.80	5.65	32.80
PK	5.1888G	111.03	Inf	-Inf	105.24	3	Vertical	131	2.29	-	32.88	5.69	32.78
AV	5.1892G	97.35	Inf	-Inf	91.56	3	Vertical	131	2.29	-	32.88	5.69	32.78

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

16/03/2021



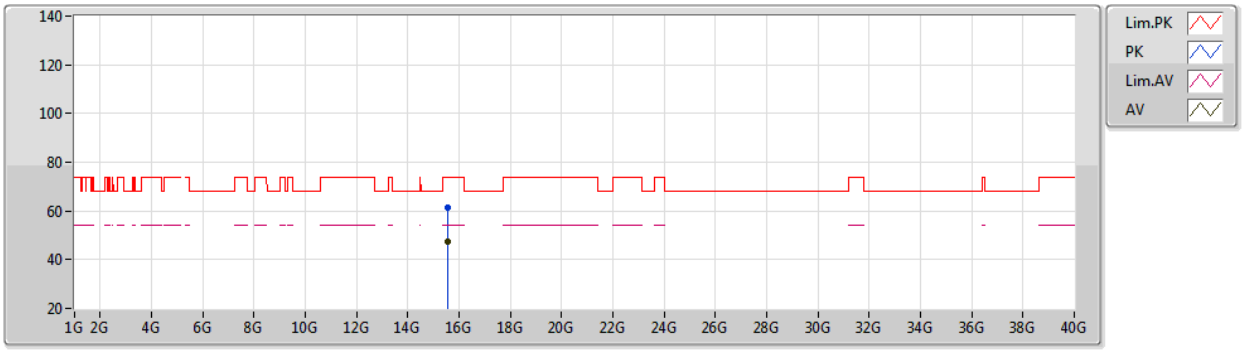
EUT Y_4TX
Setting 15.5
04-A-B-2-10

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	5.1448G	69.32	74.00	-4.68	63.68	3	Horizontal	196	1.80	-	32.80	5.64	32.80
AV	5.1444G	51.53	54.00	-2.47	45.89	3	Horizontal	196	1.80	-	32.80	5.64	32.80
PK	5.1844G	111.50	Inf	-Inf	105.73	3	Horizontal	196	1.80	-	32.87	5.68	32.78
AV	5.2044G	98.78	Inf	-Inf	92.96	3	Horizontal	196	1.80	-	32.90	5.70	32.78

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

16/03/2021



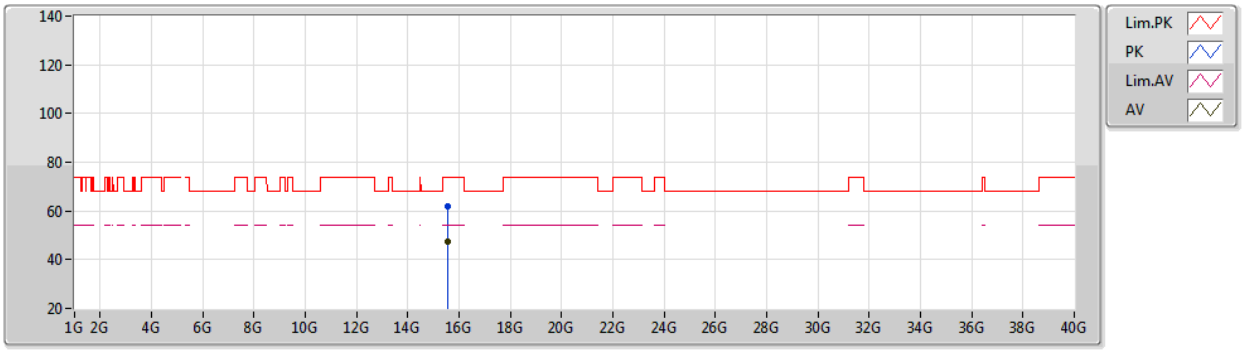
EUT Y_4TX
Setting 15.5
04-A-B-2

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	15.5676G	61.60	74.00	-12.40	45.72	3	Vertical	342	1.80	-	38.40	11.78	34.30
AV	15.55632G	47.23	54.00	-6.77	31.32	3	Vertical	342	1.80	-	38.43	11.77	34.29

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

16/03/2021



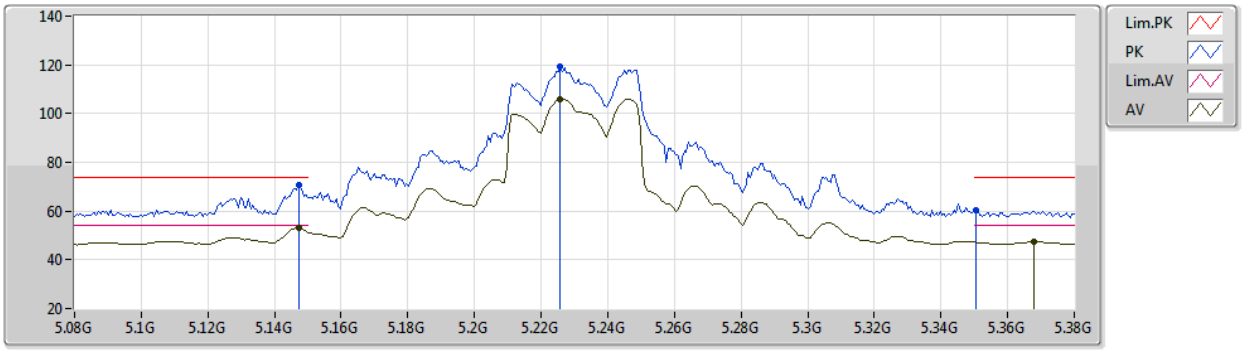
EUT Y_4TX
Setting 15.5
04-A-B-2

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	15.5673G	61.64	74.00	-12.36	45.76	3	Horizontal	157	2.52	-	38.40	11.78	34.30
AV	15.57614G	47.19	54.00	-6.81	31.35	3	Horizontal	157	2.52	-	38.37	11.78	34.31

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

16/03/2021



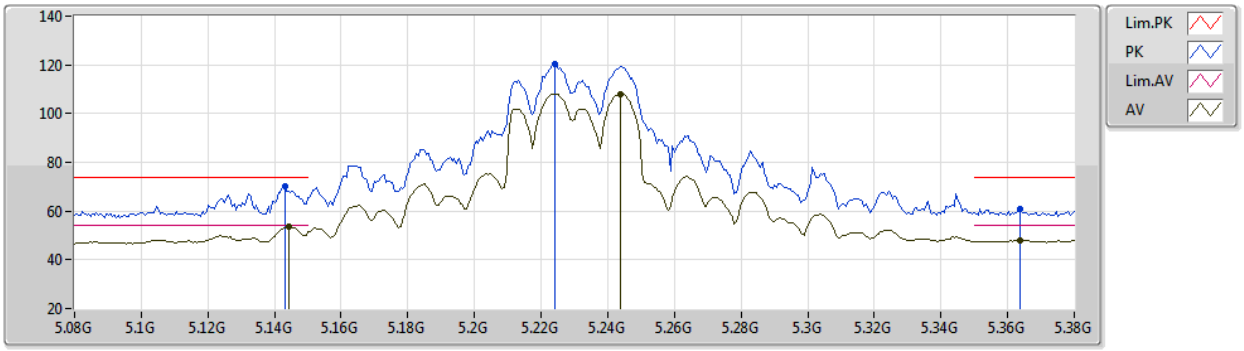
EUT Y_4TX
Setting 23.5
04-A-B-2-10

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	5.1472G	70.75	74.00	-3.25	65.10	3	Vertical	179	2.01	-	32.80	5.65	32.80
AV	5.1472G	52.96	54.00	-1.04	47.31	3	Vertical	179	2.01	-	32.80	5.65	32.80
PK	5.2258G	119.19	Inf	-Inf	113.35	3	Vertical	179	2.01	-	32.90	5.71	32.77
AV	5.2258G	106.12	Inf	-Inf	100.28	3	Vertical	179	2.01	-	32.90	5.71	32.77
PK	5.3506G	60.49	74.00	-13.51	54.43	3	Vertical	179	2.01	-	33.00	5.78	32.72
AV	5.368G	47.35	54.00	-6.65	41.15	3	Vertical	179	2.01	-	33.14	5.78	32.72

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

16/03/2021



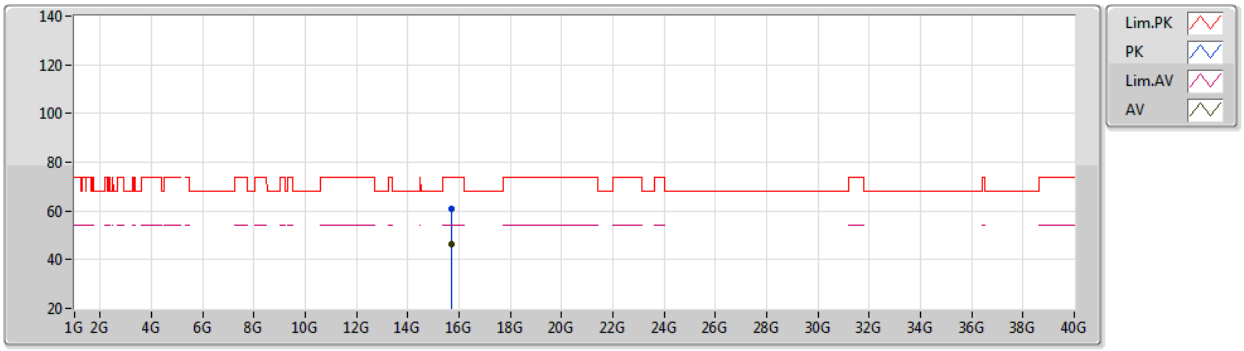
EUT Y_4TX
Setting 23.5
04-A-B-2-10

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	5.143G	70.05	74.00	-3.95	64.41	3	Horizontal	291	2.08	-	32.80	5.64	32.80
AV	5.1442G	53.69	54.00	-0.31	48.05	3	Horizontal	291	2.08	-	32.80	5.64	32.80
PK	5.224G	120.31	Inf	-Inf	114.47	3	Horizontal	291	2.08	-	32.90	5.71	32.77
AV	5.2438G	108.04	Inf	-Inf	102.18	3	Horizontal	291	2.08	-	32.90	5.72	32.76
PK	5.3638G	60.99	74.00	-13.01	54.82	3	Horizontal	291	2.08	-	33.11	5.78	32.72
AV	5.3638G	48.10	54.00	-5.90	41.93	3	Horizontal	291	2.08	-	33.11	5.78	32.72

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

16/03/2021



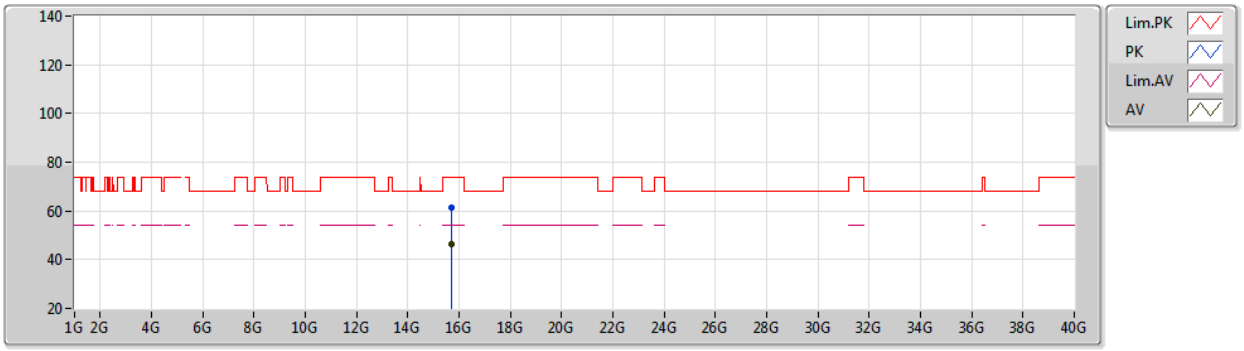
EUT Y_4TX
Setting 23.5
04-A-B-2

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	15.69054G	60.99	74.00	-13.01	45.02	3	Vertical	151	1.37	-	38.48	11.87	34.38
AV	15.6851G	46.63	54.00	-7.37	30.67	3	Vertical	151	1.37	-	38.47	11.86	34.37

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

16/03/2021



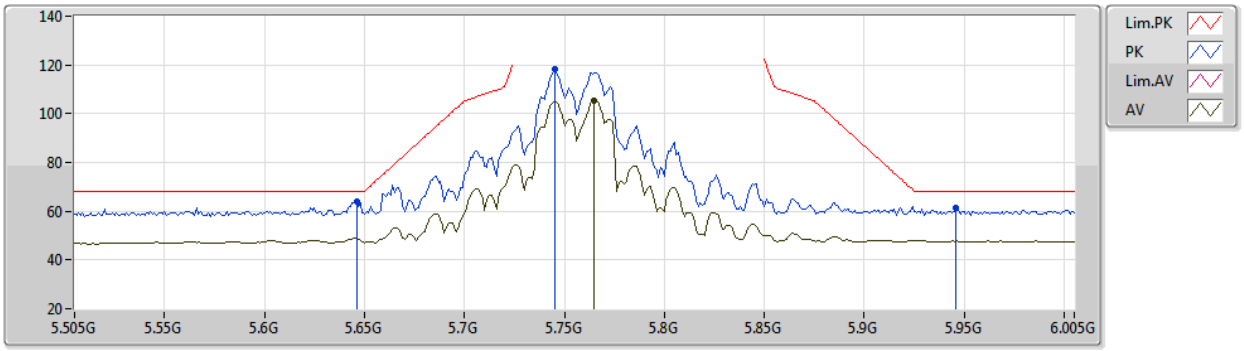
EUT Y_4TX
Setting 23.5
04-A-B-2

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	15.69238G	61.62	74.00	-12.38	45.65	3	Horizontal	156	1.80	-	38.48	11.87	34.38
AV	15.68578G	46.61	54.00	-7.39	30.66	3	Horizontal	156	1.80	-	38.47	11.86	34.38

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

16/03/2021



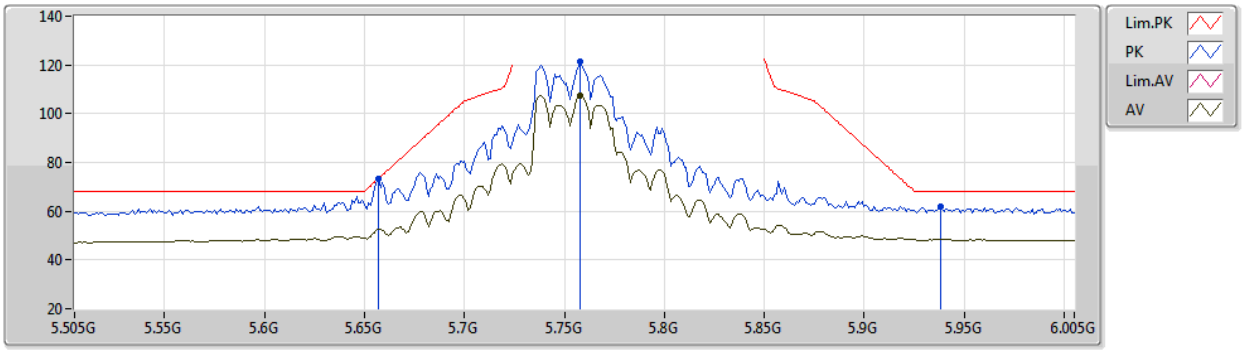
EUT Y_4TX
Setting 24
04-A-B-2-10

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	5.646G	64.22	68.20	-3.98	57.12	3	Vertical	300	1.80	-	33.90	5.92	32.72
PK	5.745G	118.29	Inf	-Inf	110.89	3	Vertical	300	1.80	-	34.18	5.97	32.75
AV	5.765G	105.31	Inf	-Inf	97.88	3	Vertical	300	1.80	-	34.20	5.98	32.75
PK	5.946G	61.50	68.20	-6.70	53.18	3	Vertical	300	1.80	-	34.98	6.15	32.81

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

16/03/2021



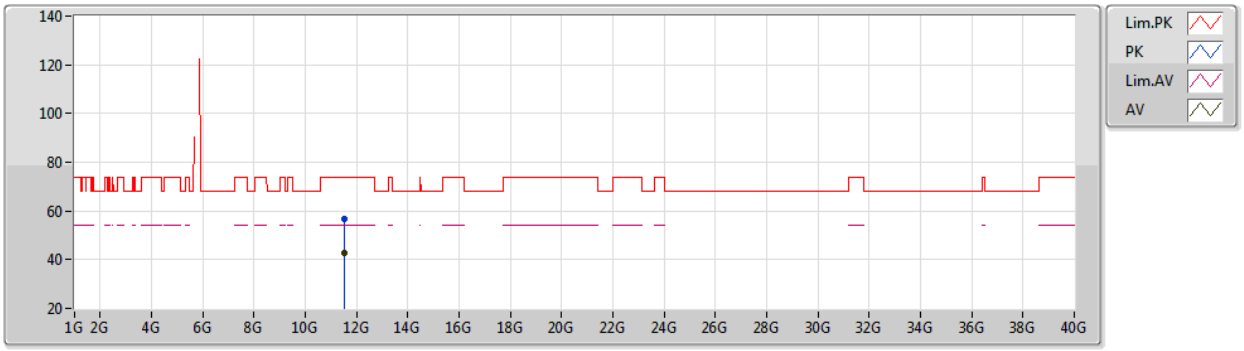
EUT Y_4TX
Setting 24
04-A-B-2-10

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	5.657G	73.11	73.38	-0.27	65.99	3	Horizontal	274	1.27	-	33.91	5.93	32.72
PK	5.758G	121.17	Inf	-Inf	113.74	3	Horizontal	274	1.27	-	34.20	5.98	32.75
AV	5.758G	107.38	Inf	-Inf	99.95	3	Horizontal	274	1.27	-	34.20	5.98	32.75
PK	5.938G	62.07	68.20	-6.13	53.79	3	Horizontal	274	1.27	-	34.95	6.14	32.81

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

16/03/2021



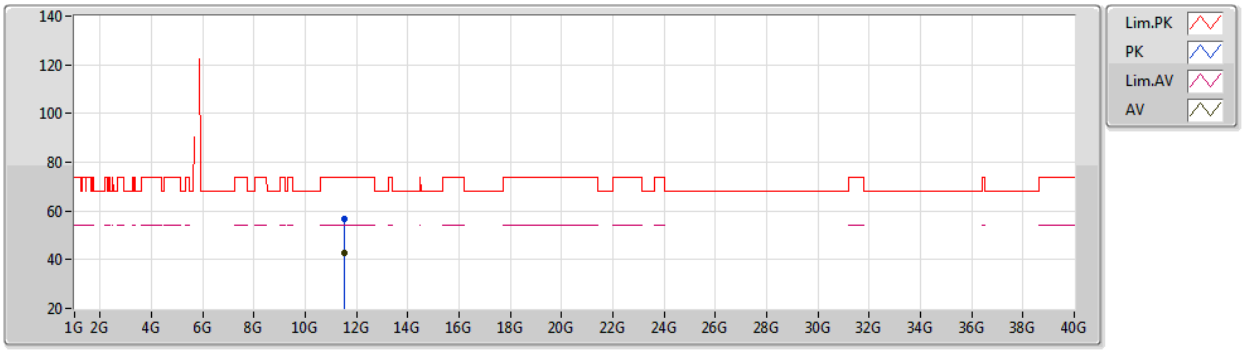
EUT Y_4TX
Setting 24
04-A-B-2

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	11.5094G	56.77	74.00	-17.23	42.31	3	Vertical	43	2.43	-	39.19	9.35	34.08
AV	11.50676G	42.67	54.00	-11.33	28.20	3	Vertical	43	2.43	-	39.19	9.35	34.07

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

16/03/2021



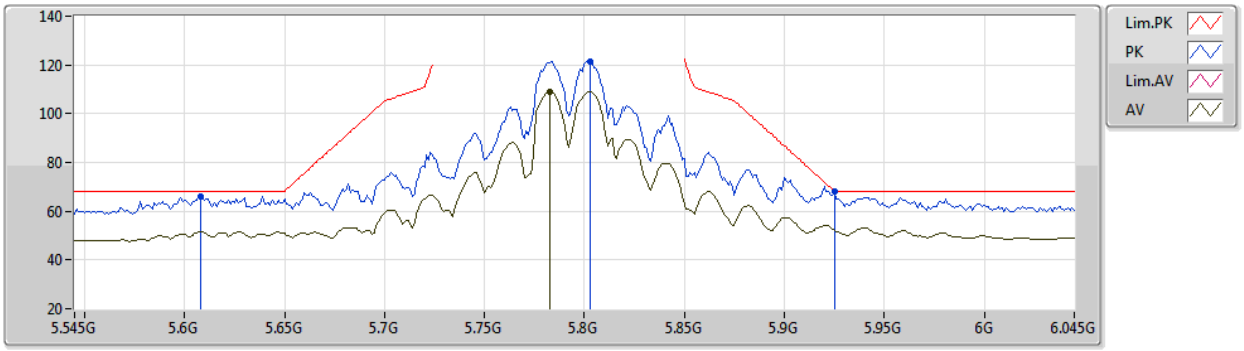
EUT Y_4TX
Setting 24
04-A-B-2

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	11.5103G	56.54	74.00	-17.46	42.07	3	Horizontal	289	1.80	-	39.19	9.36	34.08
AV	11.5066G	42.54	54.00	-11.46	28.07	3	Horizontal	289	1.80	-	39.19	9.35	34.07

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

16/03/2021



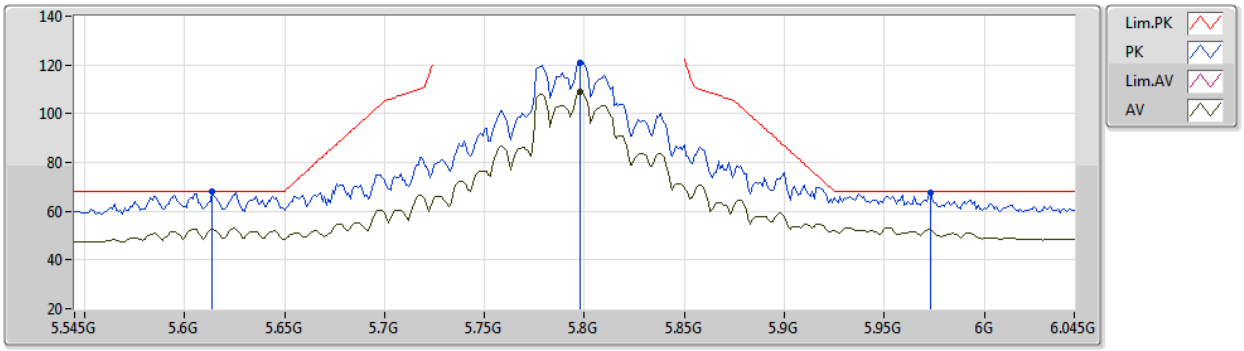
EUT Y_4TX
Setting 26
04-A-B-2-10

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	5.608G	66.11	68.20	-2.09	59.01	3	Vertical	328	1.02	-	33.90	5.90	32.70
PK	5.803G	121.61	Inf	-Inf	114.16	3	Vertical	328	1.02	-	34.22	6.00	32.77
AV	5.783G	108.89	Inf	-Inf	101.46	3	Vertical	328	1.02	-	34.20	5.99	32.76
PK	5.925G	68.02	68.20	-0.18	59.80	3	Vertical	328	1.02	-	34.90	6.13	32.81

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

16/03/2021



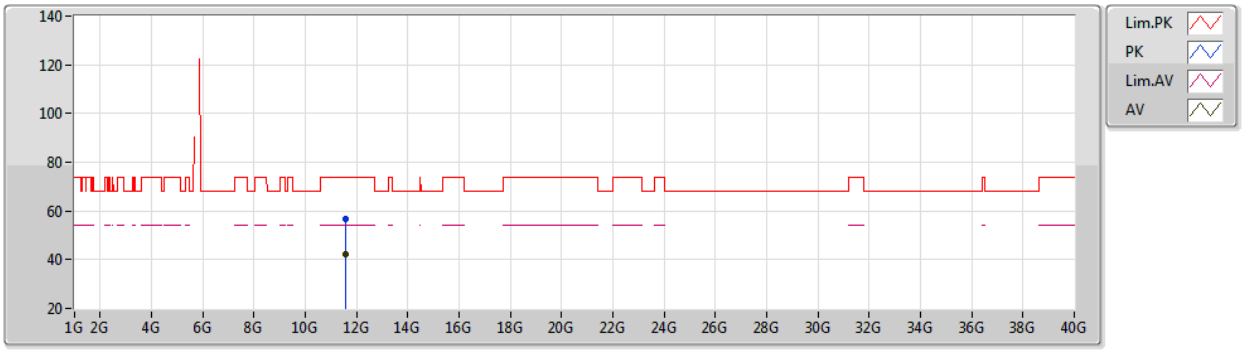
EUT Y_4TX
Setting 26
04-A-B-2-10

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	5.614G	67.99	68.20	-0.21	60.89	3	Horizontal	276	1.26	-	33.90	5.91	32.71
PK	5.798G	121.04	Inf	-Inf	113.61	3	Horizontal	276	1.26	-	34.20	6.00	32.77
AV	5.798G	109.10	Inf	-Inf	101.67	3	Horizontal	276	1.26	-	34.20	6.00	32.77
PK	5.973G	67.80	68.20	-0.40	59.36	3	Horizontal	276	1.26	-	35.09	6.17	32.82

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

16/03/2021



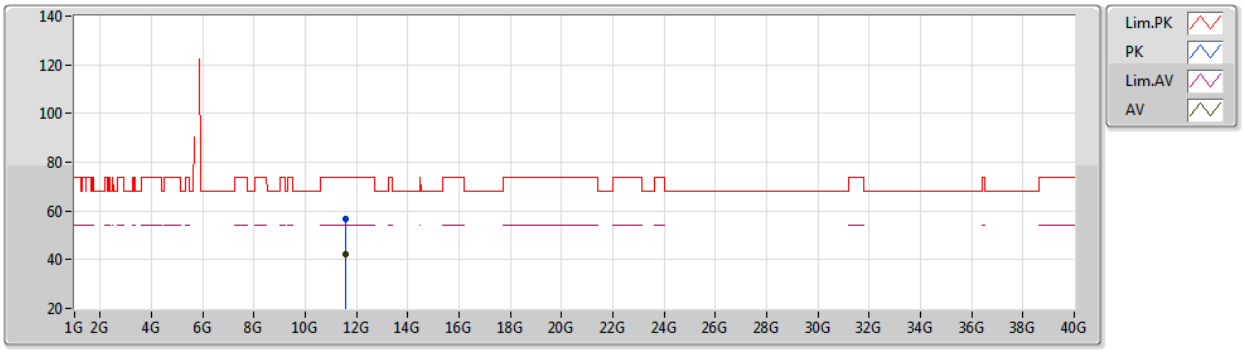
EUT Y_4TX
Setting 26
04-A-B-2

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	11.59356G	56.55	74.00	-17.45	42.17	3	Vertical	140	1.26	-	39.11	9.40	34.13
AV	11.59072G	42.37	54.00	-11.63	27.99	3	Vertical	140	1.26	-	39.11	9.40	34.13

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

16/03/2021



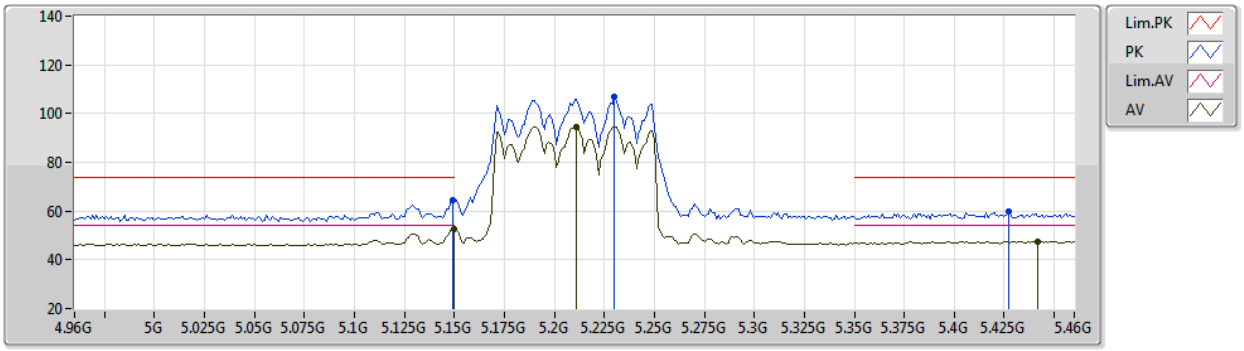
EUT Y_4TX
Setting 26
04-A-B-2

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	11.59244G	56.83	74.00	-17.17	42.45	3	Horizontal	353	1.80	-	39.11	9.40	34.13
AV	11.58712G	42.39	54.00	-11.61	28.01	3	Horizontal	353	1.80	-	39.11	9.39	34.12

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

16/03/2021



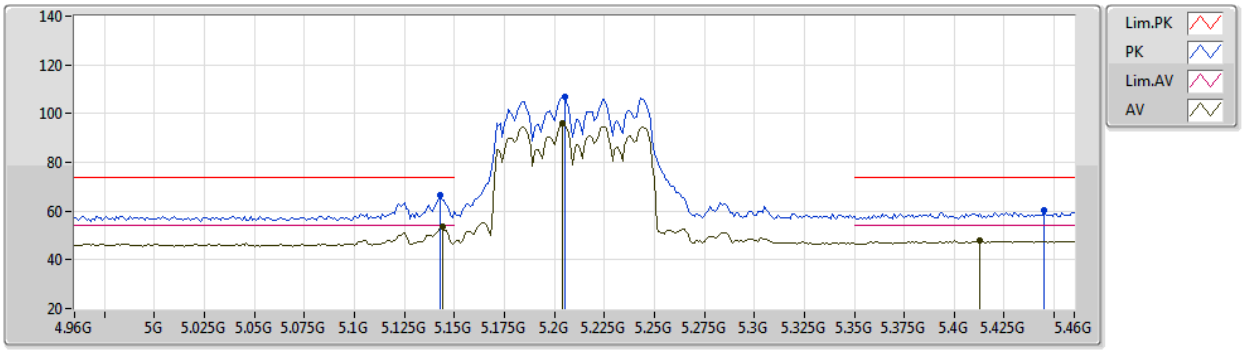
EUT Y_4TX
Setting 14
04-A-B-2-10

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	64.47	74.00	-9.53	58.82	3	Vertical	132	2.34	-	32.80	5.65	32.80
AV	5.15G	52.33	54.00	-1.67	46.68	3	Vertical	132	2.34	-	32.80	5.65	32.80
PK	5.23G	106.72	Inf	-Inf	100.88	3	Vertical	132	2.34	-	32.90	5.71	32.77
AV	5.211G	94.61	Inf	-Inf	88.77	3	Vertical	132	2.34	-	32.90	5.71	32.77
PK	5.427G	59.74	74.00	-14.26	53.12	3	Vertical	132	2.34	-	33.51	5.81	32.70
AV	5.442G	47.65	54.00	-6.35	40.95	3	Vertical	132	2.34	-	33.57	5.82	32.69

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

16/03/2021



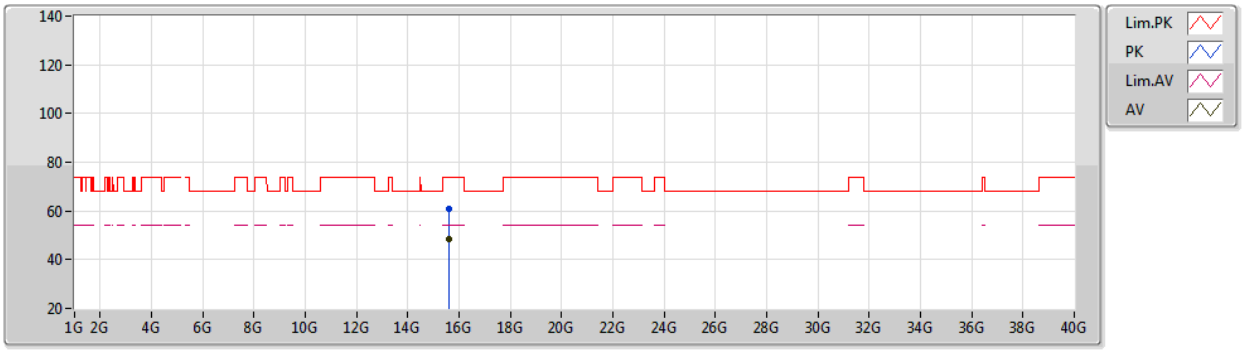
EUT Y_4TX
Setting 14
04-A-B-2-10

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	5.143G	66.58	74.00	-7.42	60.94	3	Horizontal	195	1.75	-	32.80	5.64	32.80
AV	5.144G	53.61	54.00	-0.39	47.97	3	Horizontal	195	1.75	-	32.80	5.64	32.80
PK	5.205G	106.96	Inf	-Inf	101.14	3	Horizontal	195	1.75	-	32.90	5.70	32.78
AV	5.204G	95.95	Inf	-Inf	90.13	3	Horizontal	195	1.75	-	32.90	5.70	32.78
PK	5.445G	60.29	74.00	-13.71	53.58	3	Horizontal	195	1.75	-	33.58	5.82	32.69
AV	5.413G	47.77	54.00	-6.23	41.21	3	Horizontal	195	1.75	-	33.45	5.81	32.70

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

16/03/2021



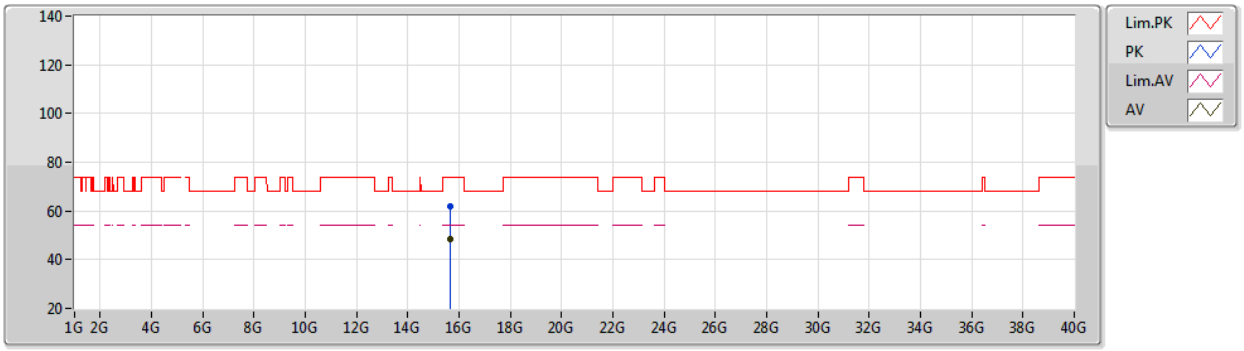
EUT Y_4TX
Setting 14
04-A-B-2

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	15.62934G	61.02	74.00	-12.98	45.18	3	Vertical	347	1.80	-	38.36	11.82	34.34
AV	15.6234G	48.48	54.00	-5.52	32.65	3	Vertical	347	1.80	-	38.35	11.82	34.34

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

16/03/2021



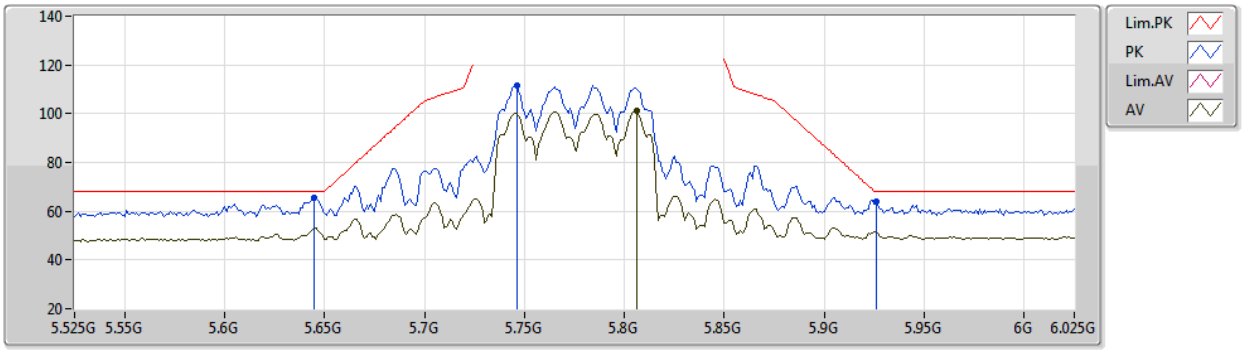
EUT Y_4TX
Setting 14
04-A-B-2

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	15.6333G	61.65	74.00	-12.35	45.80	3	Horizontal	109	2.30	-	38.37	11.82	34.34
AV	15.63612G	48.59	54.00	-5.41	32.73	3	Horizontal	109	2.30	-	38.37	11.83	34.34

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

16/03/2021



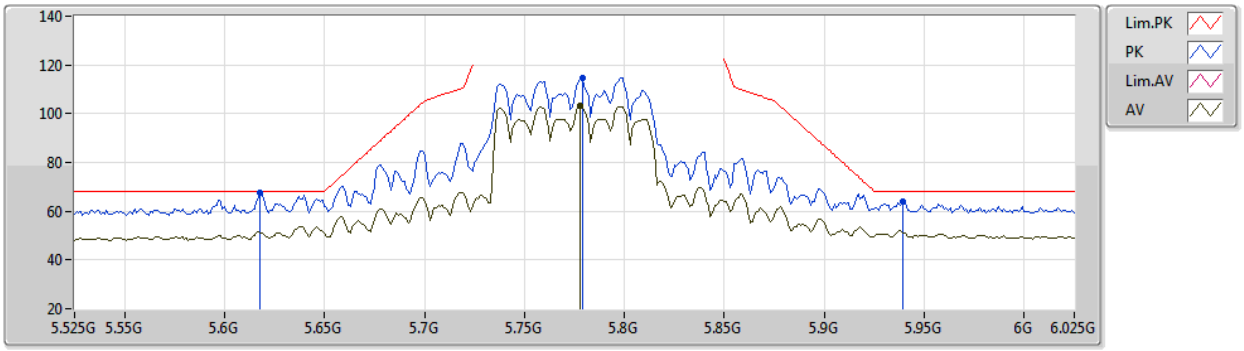
EUT Y_4TX
Setting 21
04-A-B-2-10

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	5.645G	65.67	68.20	-2.53	58.57	3	Vertical	299	1.80	-	33.90	5.92	32.72
PK	5.746G	111.38	Inf	-Inf	103.98	3	Vertical	299	1.80	-	34.18	5.97	32.75
AV	5.806G	101.15	Inf	-Inf	93.67	3	Vertical	299	1.80	-	34.24	6.01	32.77
PK	5.926G	63.79	68.20	-4.41	55.57	3	Vertical	299	1.80	-	34.90	6.13	32.81

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

16/03/2021



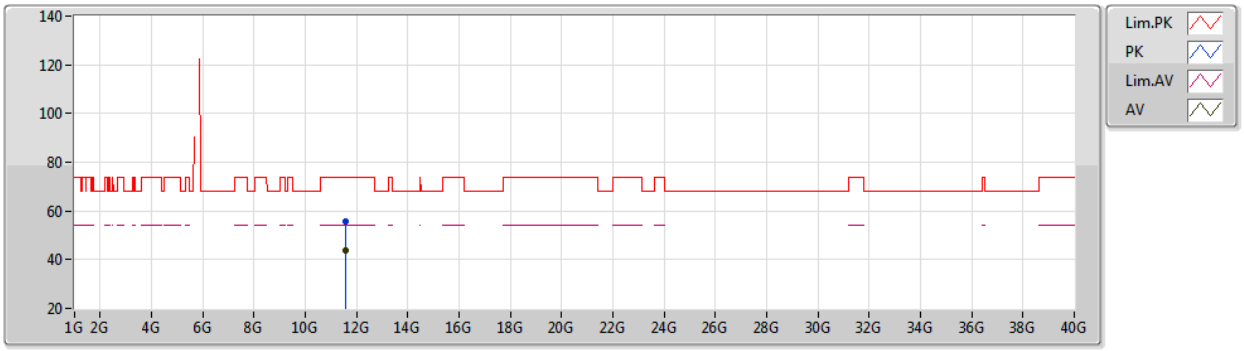
EUT Y_4TX
Setting 21
04-A-B-2-10

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	5.618G	67.63	68.20	-0.57	60.53	3	Horizontal	275	1.44	-	33.90	5.91	32.71
PK	5.779G	114.73	Inf	-Inf	107.30	3	Horizontal	275	1.44	-	34.20	5.99	32.76
AV	5.778G	103.29	Inf	-Inf	95.86	3	Horizontal	275	1.44	-	34.20	5.99	32.76
PK	5.939G	64.14	68.20	-4.06	55.85	3	Horizontal	275	1.44	-	34.96	6.14	32.81

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

16/03/2021



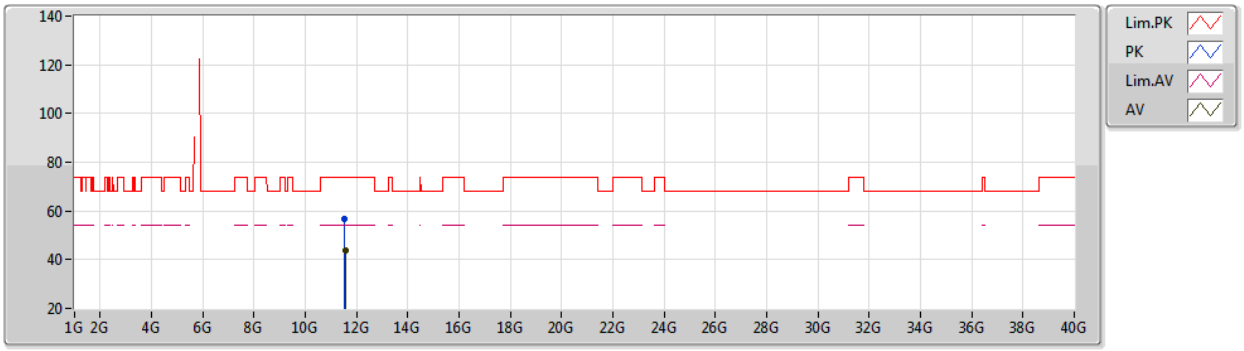
EUT Y_4TX
Setting 21
04-A-B-2

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	11.55678G	55.74	74.00	-18.26	41.33	3	Vertical	190	1.80	-	39.14	9.38	34.11
AV	11.56026G	43.74	54.00	-10.26	29.33	3	Vertical	190	1.80	-	39.14	9.38	34.11

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

16/03/2021



EUT Y_4TX
Setting 21
04-A-B-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	11.53998G	56.88	74.00	-17.12	42.44	3	Horizontal	234	2.39	-	39.16	9.37	34.09
AV	11.56356G	43.64	54.00	-10.36	29.23	3	Horizontal	234	2.39	-	39.14	9.38	34.11