FCC RADIO TEST REPORT

FCC ID	:	HDCSR820AC
Equipment	:	Wireless Voice Gateway
Brand Name	:	ADTRAN
Model Name	:	SR820ac
Applicant	:	ADTRAN 901 Explorer BlvdHuntsville, AL 35806United States
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 Mar. 27, 2020, and testing was started from Apr. 08, 2020 and completed on Apr. 28, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.
The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Sam Chen

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

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History of this test report

Report No.	Version	Description	Issued Date
FR032025AB	01	Initial issue of report	May 11, 2020
FR032025AB	02	Revising section 2.6 test setup diagram	May 13, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
	2.4GHz	5GHz					2.4GHz	5GHz
1	1	1	YAGEO	ANTA0ZZ14022WLAN4	Dipole Antenna	I-PEX	4.6	4.6
2	2	3	YAGEO	ANTA0ZZ14022WLAN3	Dipole Antenna	I-PEX	4.4	5.6
3	3	4	YAGEO	ANTA0ZZ14022WLAN2	Dipole Antenna	I-PEX	3.2	5.7
4	-	2	YAGEO	ANTA0ZZ14021WLAN1	Dipole Antenna	I-PEX	-	5.7

Note: The above information was declared by manufacturer.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (3TX/3RX):

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

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

For 5GHz function:

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

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

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.969	0.14	2.066m	1k
802.11ac VHT20	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.974	0.11	2.441m	1k
802.11ac VHT80	0.947	0.24	1.155m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	QRCT(Version3.0.187.0)			
Serial Number	1418568200053			

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.5~25.5°C / 53~55%	Apr. 09, 2020~Apr. 15, 2020
Radiated Below 1GHz	03CH06-CB	Stim Sung	21.5~22.4°C / 55~57%	Apr. 27, 2020
Radiated Above 1GHz	03CH03-CB	Stim Sung	24.2~24.5°C / 52~53%	Apr. 08, 2020~Apr. 09, 2020
AC Conduction	CO01-CB	Beck Wu	23~24°C / 55~60%	Apr. 28, 2020

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17.5
5745MHz	20.5
5785MHz	19.5
5825MHz	19
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	18
5200MHz	18
5240MHz	18
5745MHz	20.5
5785MHz	20
5825MHz	19.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	18.5
5230MHz	19.5
5755MHz	20.5
5795MHz	19.5
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	16.5
5775MHz	17

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

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	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.: FA032025 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at 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 Holder**	**Model Name**	**Rating**
Adapter	ChenZhou Frecom Electronics Co., Ltd.	F42L1-120350SPAU	INPUT: 100-240V ~ 50/60Hz, 1.4A OUTPUT: 12V, 3.5A
Others			
RJ-45 cable, non-shielded, 1.8m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	Terminal System	MOTOROLA	BSR2000	N/A
F	Terminal System NB	Acer	MS2308	N/A
G	Phone 1	SAMPO	HT-B 907WL	N/A
H	Phone 2	SAMPO	HT-B 907WL	N/A

For Radiated (below 1GHz):

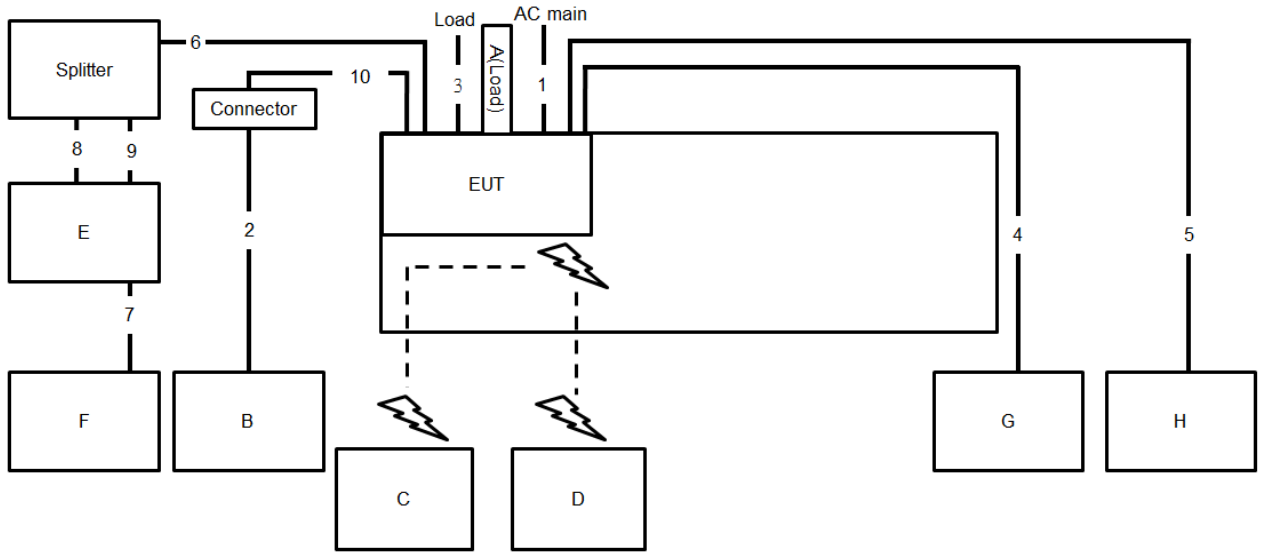
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	2.4G NB	Apple	Mac Book	N/A
B	5G NB	Apple	Mac Book	N/A
C	LAN NB	DELL	E4300	N/A
D	Terminal system NB	Acer	MS2308	N/A
E	Phone 1	SAMPO	HT-B 907WL	N/A
F	Phone 2	SAMPO	HT-B 907WL	N/A
G	Terminal system	MOTOROLA	BSR2000	N/A
H	Flash disk3.0	Silicon Power	B06	N/A

For Radiated (above 1GHz) and RF Conducted:

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

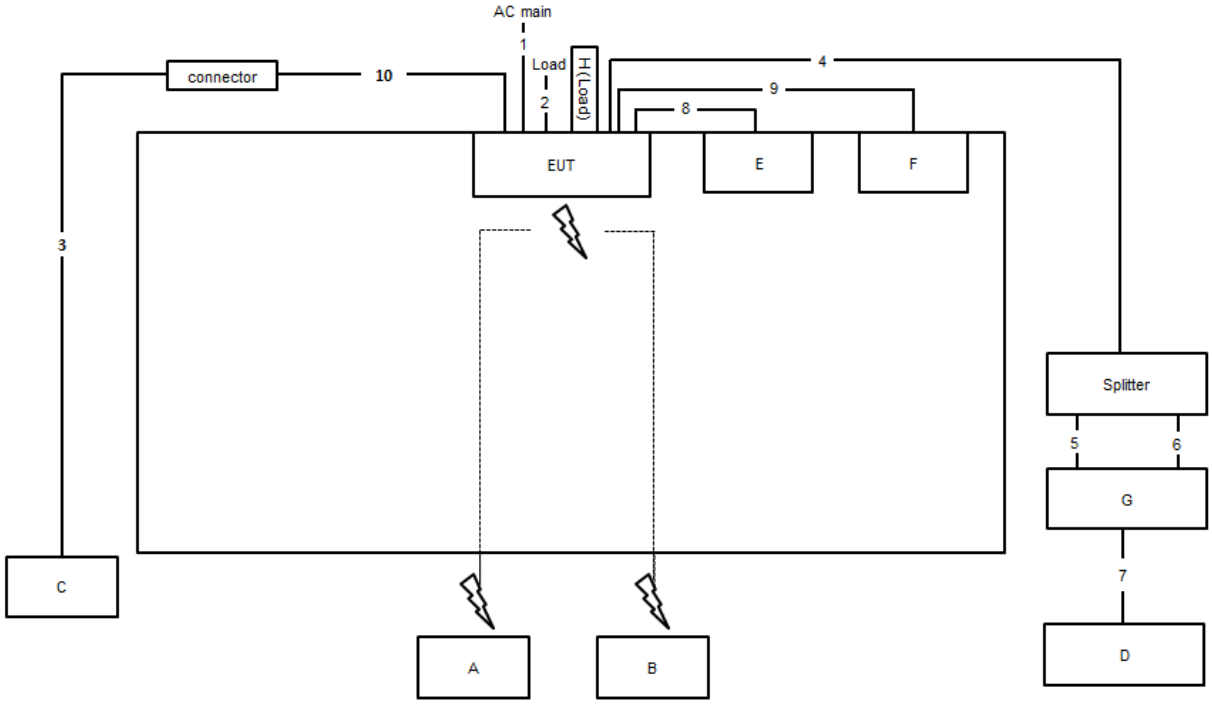
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



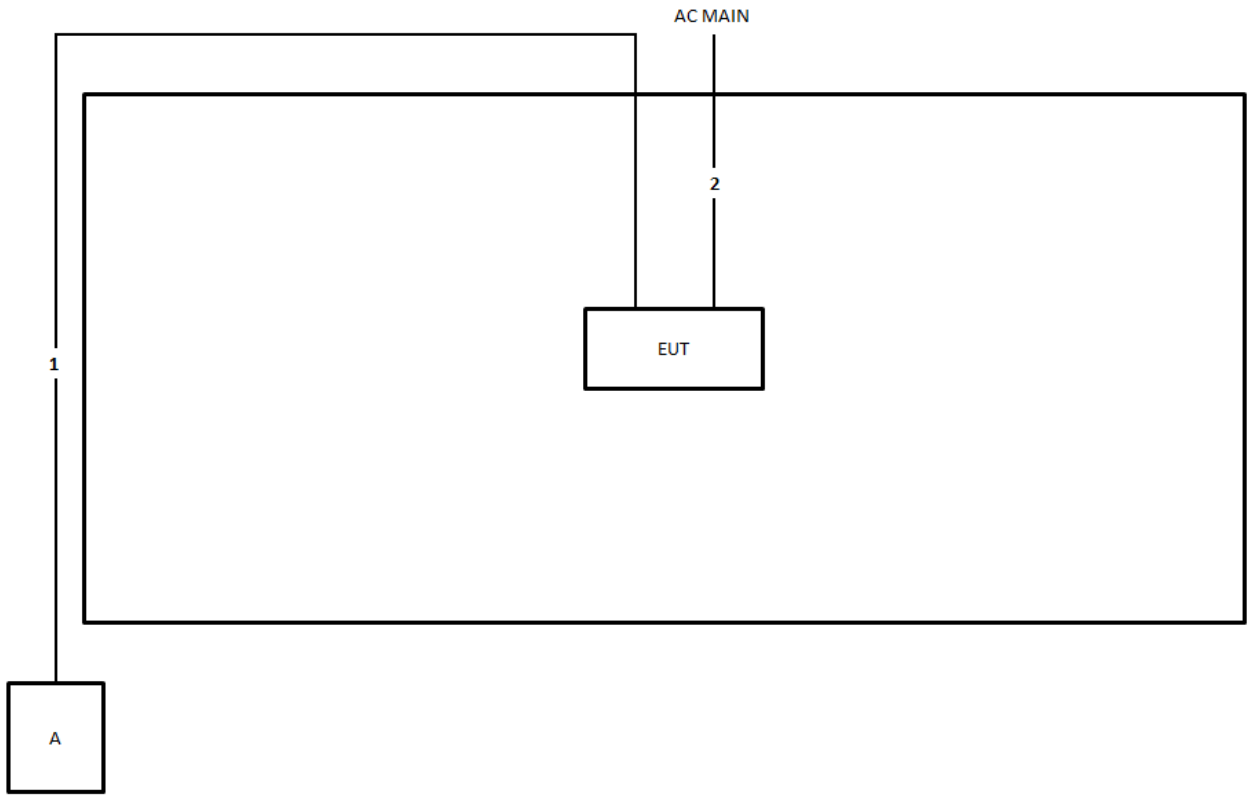
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable*3	No	1.5m
4	RJ-11 cable	No	10m
5	RJ-11 cable	No	10m
6	Coaxial cable	Yes	10m
7	RJ-45 cable	No	1.5m
8	Coaxial cable	Yes	2m
9	Coaxial cable	Yes	2m
10	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable*3	No	1.5m
3	RJ-45 cable	No	10m
4	Coaxial cable	Yes	10m
5	Coaxial cable	Yes	2m
6	Coaxial cable	Yes	2m
7	RJ-45 cable	No	3m
8	RJ-11 cable	No	1.5m
9	RJ-11 cable	No	1.5m
10	RJ-45 cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

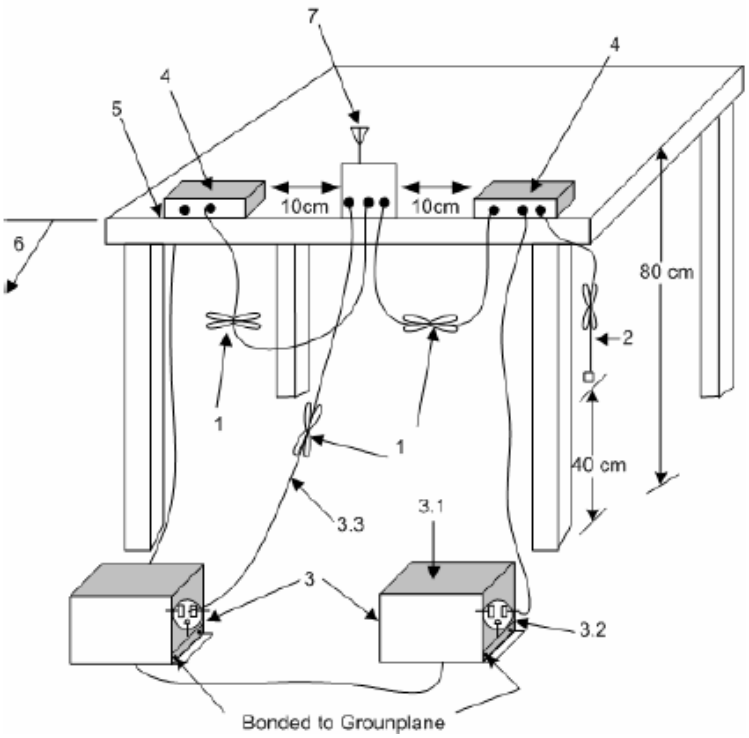
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

3.2.2 Measuring Instruments

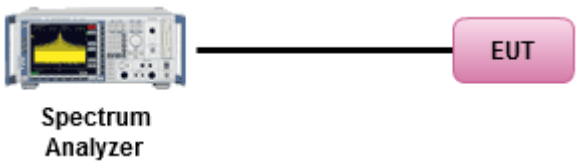
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
	☒ Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐ Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Average over on/off periods with duty factor
	☐ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

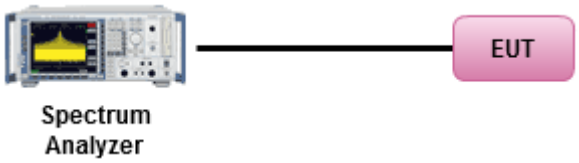
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐ Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
	[duty cycle ≥ 98% or external video / power trigger]	
	☒ Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)	
	duty cycle < 98% and average over on/off periods with duty factor	
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

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

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of

linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.5.2 Measuring Instruments

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

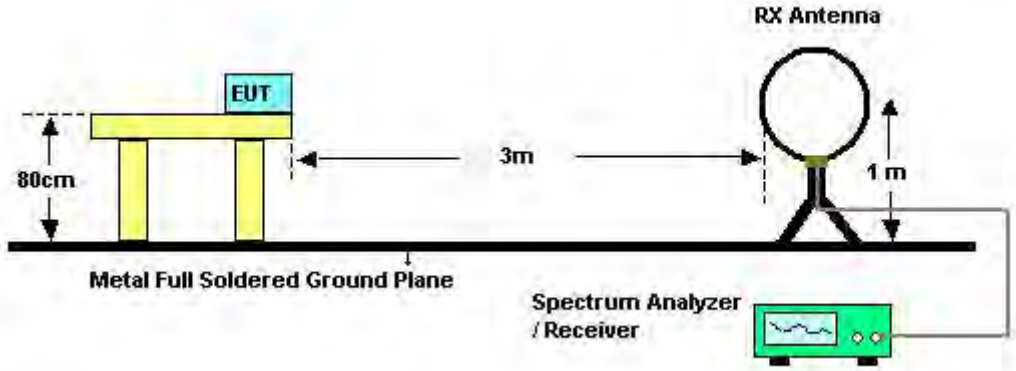
3.5.3 Test Procedures

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

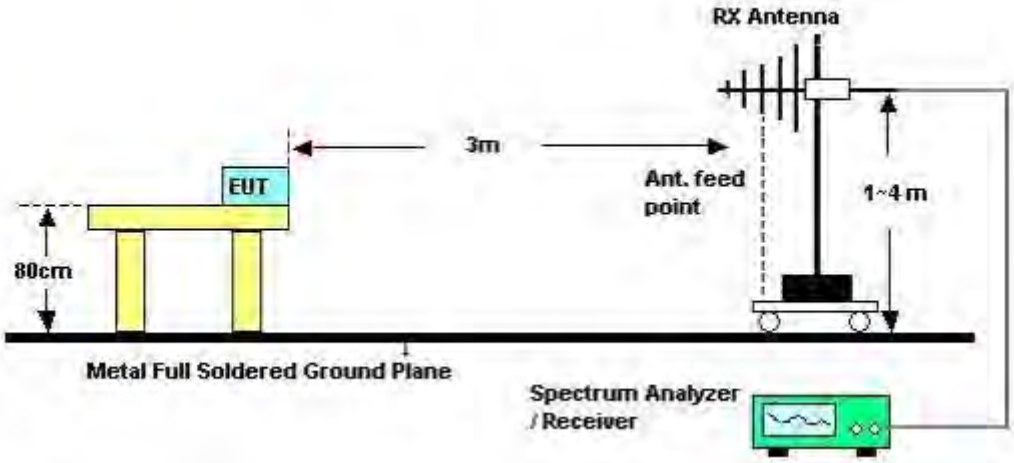
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

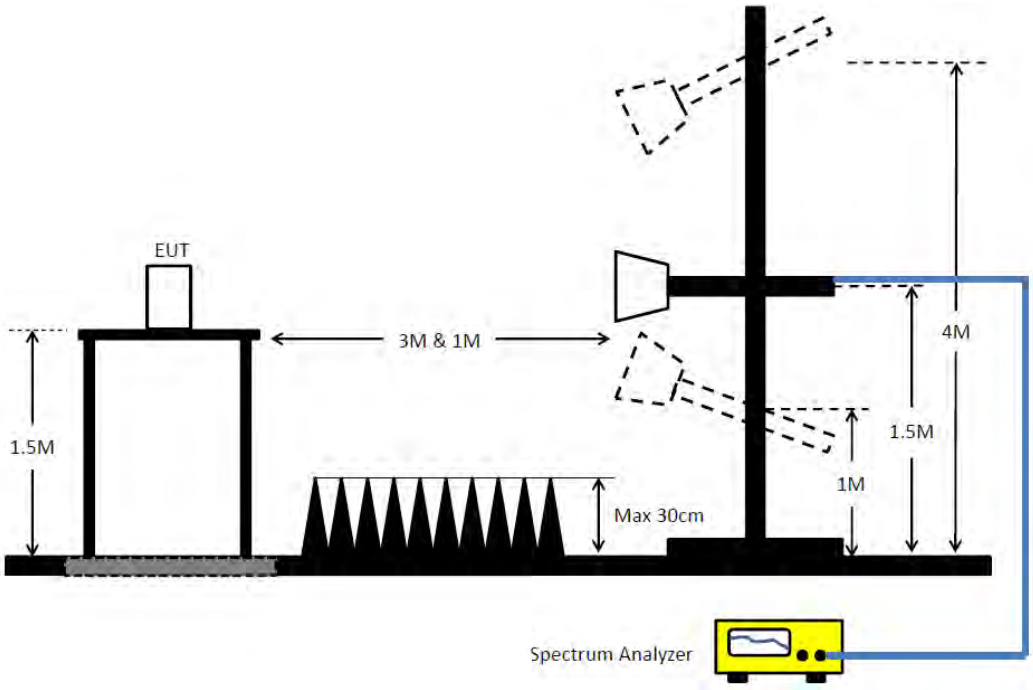
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = 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 10 harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 03, 2019	Aug. 02, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	May 07, 2019	May 06, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 21, 2019	Oct. 20, 2020	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH06-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 20, 2020	Jan. 19, 2021	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Dec. 19, 2019	Dec.18, 2020	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 19, 2019	Jun. 18, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Nov. 01, 2019	Oct. 31, 2020	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)

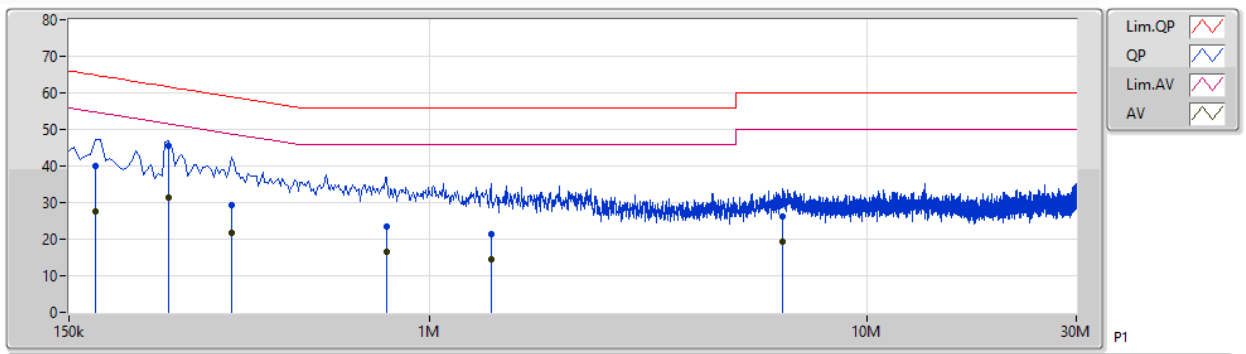
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 13, 2019	Aug. 12, 2020	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH03-CB)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

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

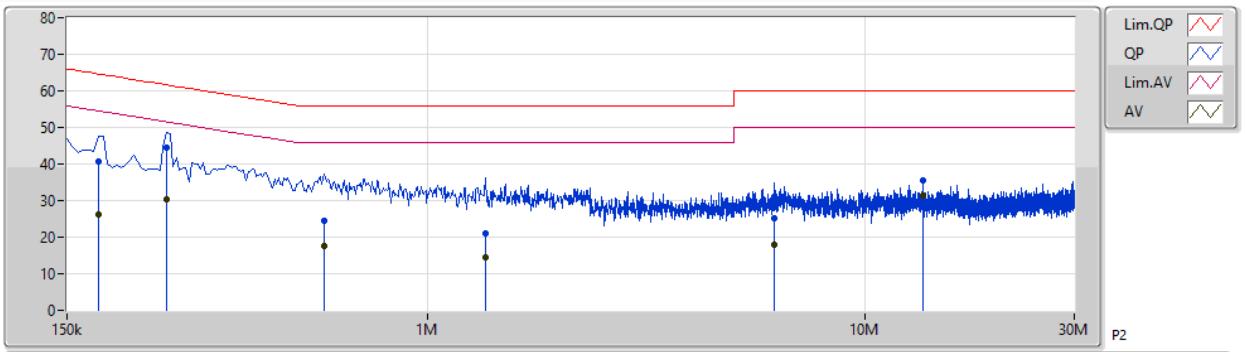
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	QP	253.5k	45.62	61.64	-16.02	9.90	Line



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	172.5k	40.17	64.83	-24.66	9.90	Line	-	30.27	0.05	0.06	9.79
AV	172.5k	27.50	54.83	-27.33	9.90	Line	-	17.60	0.05	0.06	9.79
QP	253.5k	45.62	61.64	-16.02	9.90	Line	"Worst"	35.72	0.04	0.06	9.80
AV	253.5k	31.39	51.64	-20.25	9.90	Line	-	21.49	0.04	0.06	9.80
QP	352.5k	29.17	58.91	-29.74	9.91	Line	-	19.26	0.04	0.06	9.81
AV	352.5k	21.84	48.91	-27.07	9.91	Line	-	11.93	0.04	0.06	9.81
QP	798k	23.32	56.00	-32.68	9.95	Line	-	13.37	0.05	0.08	9.82
AV	798k	16.62	46.00	-29.38	9.95	Line	-	6.67	0.05	0.08	9.82
QP	1.383M	21.50	56.00	-34.50	9.97	Line	-	11.53	0.05	0.10	9.82
AV	1.383M	14.41	46.00	-31.59	9.97	Line	-	4.44	0.05	0.10	9.82
QP	6.419M	26.04	60.00	-33.96	10.20	Line	-	15.84	0.13	0.20	9.87
AV	6.419M	19.28	50.00	-30.72	10.20	Line	-	9.08	0.13	0.20	9.87



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	177k	40.56	64.62	-24.06	9.89	Neutral	-	30.67	0.04	0.06	9.79
AV	177k	26.25	54.62	-28.37	9.89	Neutral	-	16.36	0.04	0.06	9.79
QP	253.5k	44.60	61.64	-17.04	9.90	Neutral	"Worst"	34.70	0.04	0.06	9.80
AV	253.5k	30.44	51.64	-21.20	9.90	Neutral	-	20.54	0.04	0.06	9.80
QP	582k	24.32	56.00	-31.68	9.93	Neutral	-	14.39	0.05	0.07	9.81
AV	582k	17.64	46.00	-28.36	9.93	Neutral	-	7.71	0.05	0.07	9.81
QP	1.356M	21.12	56.00	-34.88	9.98	Neutral	-	11.14	0.06	0.10	9.82
AV	1.356M	14.40	46.00	-31.60	9.98	Neutral	-	4.42	0.06	0.10	9.82
QP	6.198M	25.14	60.00	-34.86	10.19	Neutral	-	14.95	0.13	0.20	9.86
AV	6.198M	17.85	50.00	-32.15	10.19	Neutral	-	7.66	0.13	0.20	9.86
QP	13.56M	35.48	60.00	-24.52	10.33	Neutral	-	25.15	0.19	0.22	9.92
AV	13.56M	31.40	50.00	-18.60	10.33	Neutral	-	21.07	0.19	0.22	9.92

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	19.77M	16.402M	16M4D1D	19.23M	16.372M
802.11ac VHT20_Nss1,(MCS0)_4TX	20.34M	17.571M	17M6D1D	19.95M	17.571M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.08M	35.922M	35M9D1D	39.18M	35.742M
802.11ac VHT80_Nss1,(MCS0)_4TX	83.64M	75.802M	75M8D1D	82.56M	75.562M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	16.492M	16M5D1D	16.02M	16.312M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.58M	17.631M	17M6D1D	16.77M	17.511M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.3M	36.042M	36M0D1D	33.06M	35.802M
802.11ac VHT80_Nss1,(MCS0)_4TX	76.32M	75.922M	75M9D1D	75.12M	75.682M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.56M	16.372M	19.32M	16.372M	19.23M	16.372M	19.41M	16.402M
5200MHz	Pass	Inf	19.38M	16.372M	19.26M	16.402M	19.38M	16.372M	19.77M	16.372M
5240MHz	Pass	Inf	19.74M	16.372M	19.5M	16.402M	19.44M	16.372M	19.35M	16.372M
5745MHz	Pass	500k	16.32M	16.402M	16.32M	16.402M	16.26M	16.372M	16.29M	16.492M
5785MHz	Pass	500k	16.32M	16.402M	16.32M	16.402M	16.29M	16.372M	16.32M	16.372M
5825MHz	Pass	500k	16.29M	16.432M	16.35M	16.402M	16.02M	16.312M	16.32M	16.372M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.95M	17.571M	20.19M	17.571M	20.1M	17.571M	20.22M	17.571M
5200MHz	Pass	Inf	20.1M	17.571M	20.16M	17.571M	20.19M	17.571M	20.28M	17.571M
5240MHz	Pass	Inf	19.95M	17.571M	20.19M	17.571M	20.34M	17.571M	20.19M	17.571M
5745MHz	Pass	500k	16.92M	17.601M	17.16M	17.571M	16.89M	17.571M	16.92M	17.631M
5785MHz	Pass	500k	17.25M	17.571M	17.55M	17.601M	17.13M	17.511M	17.13M	17.571M
5825MHz	Pass	500k	17.55M	17.571M	17.55M	17.571M	16.77M	17.511M	17.58M	17.571M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.84M	35.862M	39.78M	35.742M	39.6M	35.802M	39.18M	35.742M
5230MHz	Pass	Inf	40.08M	35.922M	39.96M	35.862M	39.9M	35.862M	39.18M	35.742M
5755MHz	Pass	500k	33.78M	35.982M	33.06M	35.922M	33.72M	35.982M	36.3M	36.042M
5795MHz	Pass	500k	35.04M	35.862M	36.24M	35.922M	35.94M	35.922M	35.28M	35.802M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	83.64M	75.802M	83.4M	75.562M	83.52M	75.682M	82.56M	75.682M
5775MHz	Pass	500k	76.32M	75.682M	76.2M	75.682M	75.6M	75.922M	75.12M	75.682M

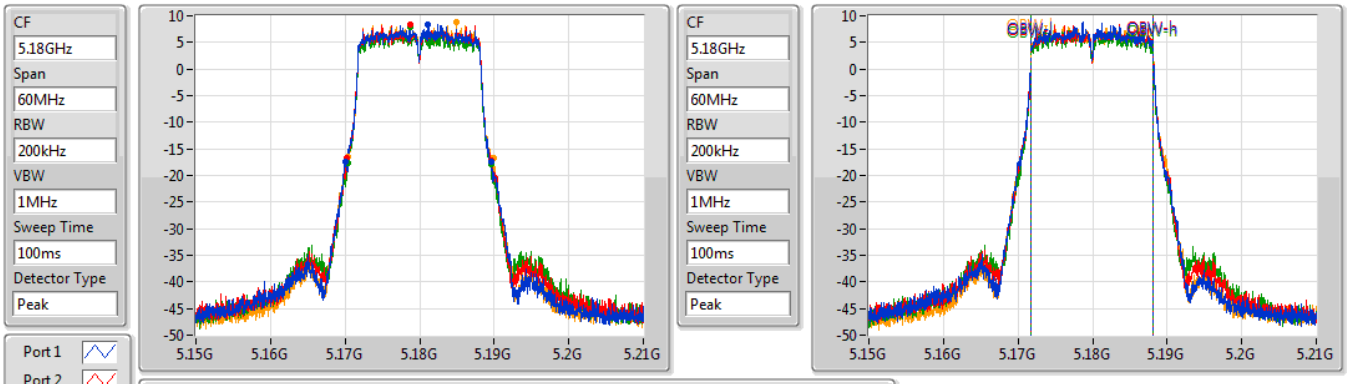
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

15/04/2020



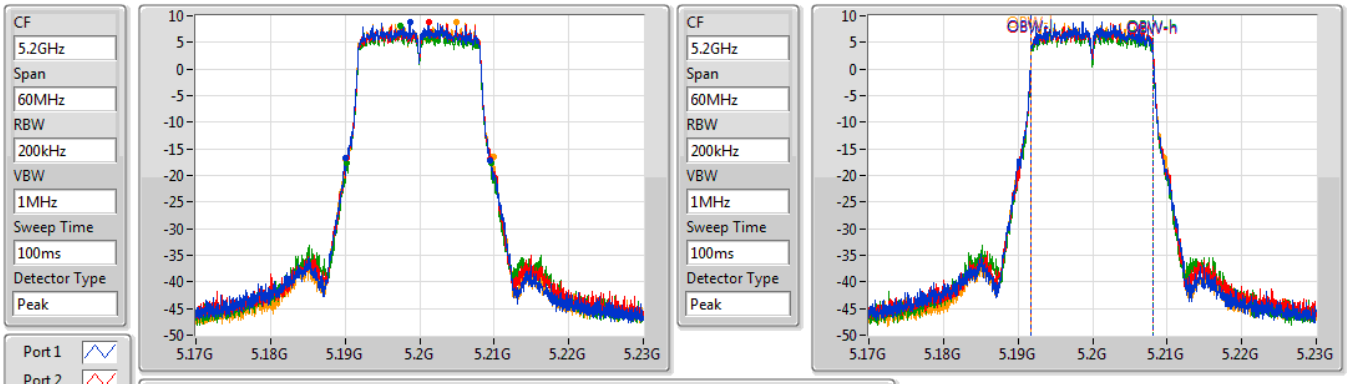
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.56M	5.16998G	5.18954G	16.372M	5.171754G	5.188126G	Inf	1
19.32M	5.17025G	5.18957G	16.372M	5.171754G	5.188126G	Inf	2
19.23M	5.17031G	5.18954G	16.372M	5.171754G	5.188126G	Inf	3
19.41M	5.17046G	5.18987G	16.402M	5.171754G	5.188156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

15/04/2020



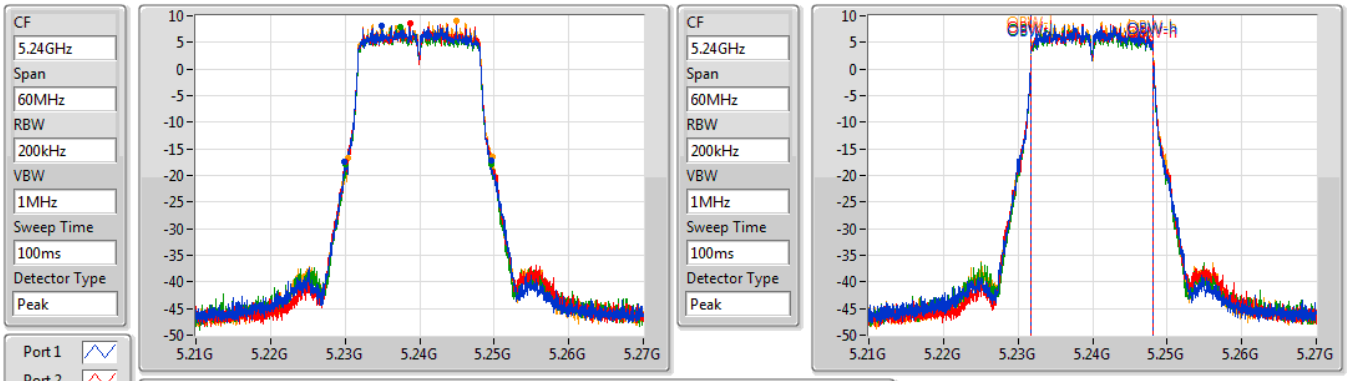
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.38M	5.18998G	5.20936G	16.372M	5.191754G	5.208126G	Inf	1
19.26M	5.19025G	5.20951G	16.402M	5.191754G	5.208156G	Inf	2
19.38M	5.19028G	5.20966G	16.372M	5.191754G	5.208126G	Inf	3
19.77M	5.1901G	5.20987G	16.372M	5.191754G	5.208126G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

15/04/2020



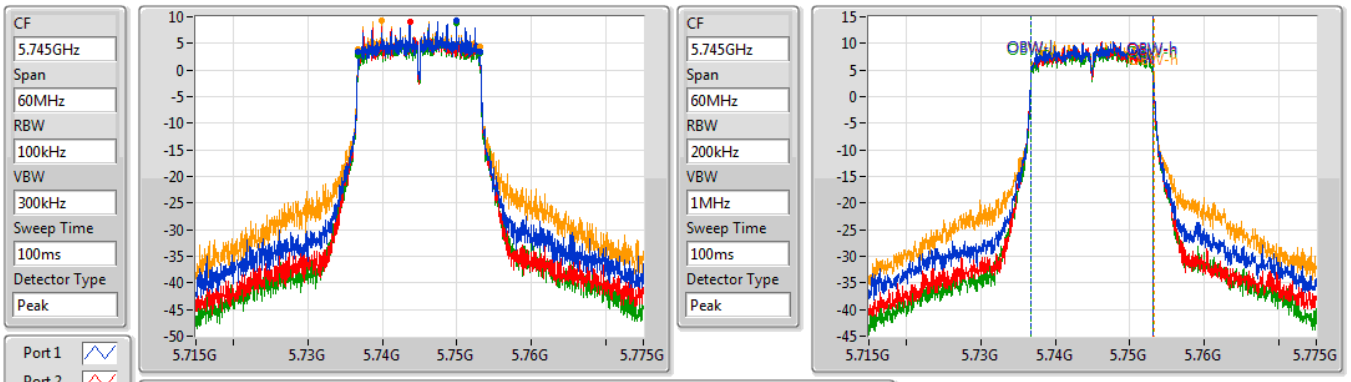
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.74M	5.22989G	5.24963G	16.372M	5.231754G	5.248126G	Inf	1
19.5M	5.23004G	5.24954G	16.402M	5.231754G	5.248156G	Inf	2
19.44M	5.2301G	5.24954G	16.372M	5.231754G	5.248126G	Inf	3
19.35M	5.23043G	5.24978G	16.372M	5.231754G	5.248126G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

10/04/2020



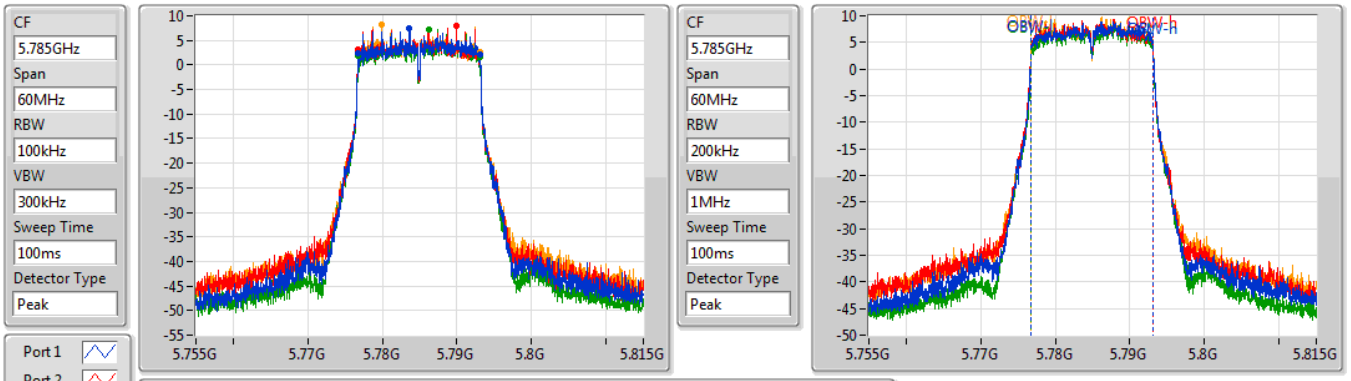
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.73678G	5.7531G	16.402M	5.736754G	5.753156G	500k	1
16.32M	5.73678G	5.7531G	16.402M	5.736754G	5.753156G	500k	2
16.26M	5.73681G	5.75307G	16.372M	5.736754G	5.753126G	500k	3
16.29M	5.73678G	5.75307G	16.492M	5.736724G	5.753216G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

10/04/2020



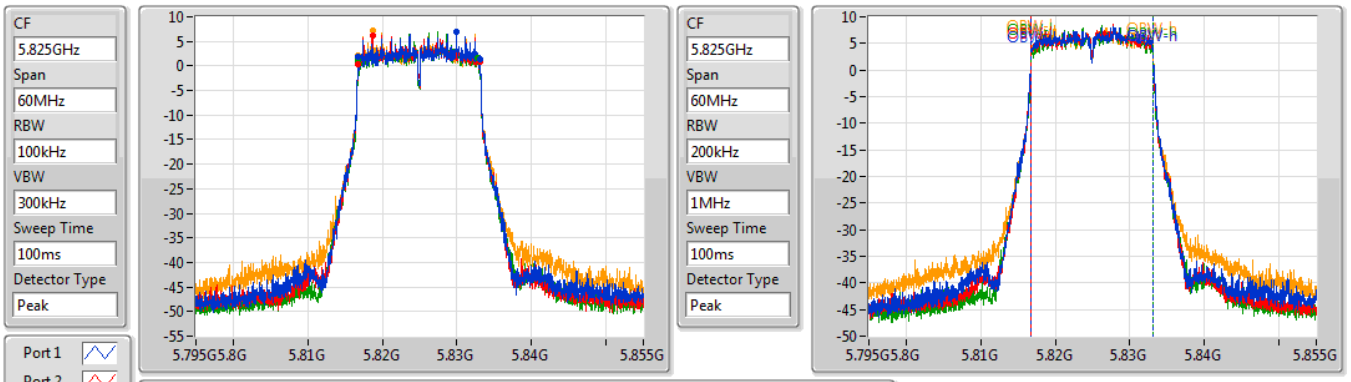
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77678G	5.7931G	16.402M	5.776754G	5.793156G	500k	1
16.32M	5.77678G	5.7931G	16.402M	5.776724G	5.793126G	500k	2
16.29M	5.77681G	5.7931G	16.372M	5.776754G	5.793126G	500k	3
16.32M	5.77678G	5.7931G	16.372M	5.776754G	5.793126G	500k	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

10/04/2020



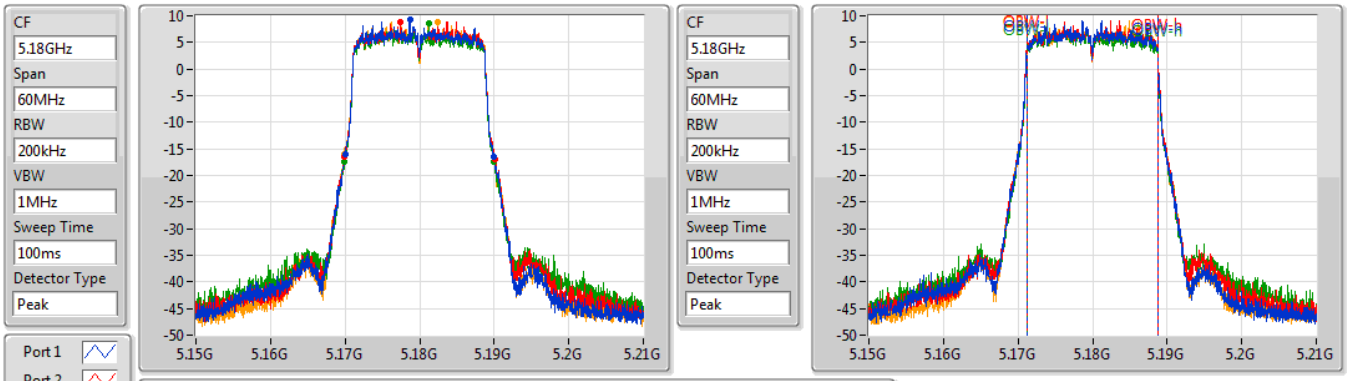
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.81681G	5.8331G	16.432M	5.816724G	5.833156G	500k	1
16.35M	5.81675G	5.8331G	16.402M	5.816724G	5.833126G	500k	2
16.02M	5.81678G	5.8328G	16.312M	5.816784G	5.833096G	500k	3
16.32M	5.81678G	5.8331G	16.372M	5.816754G	5.833126G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

15/04/2020



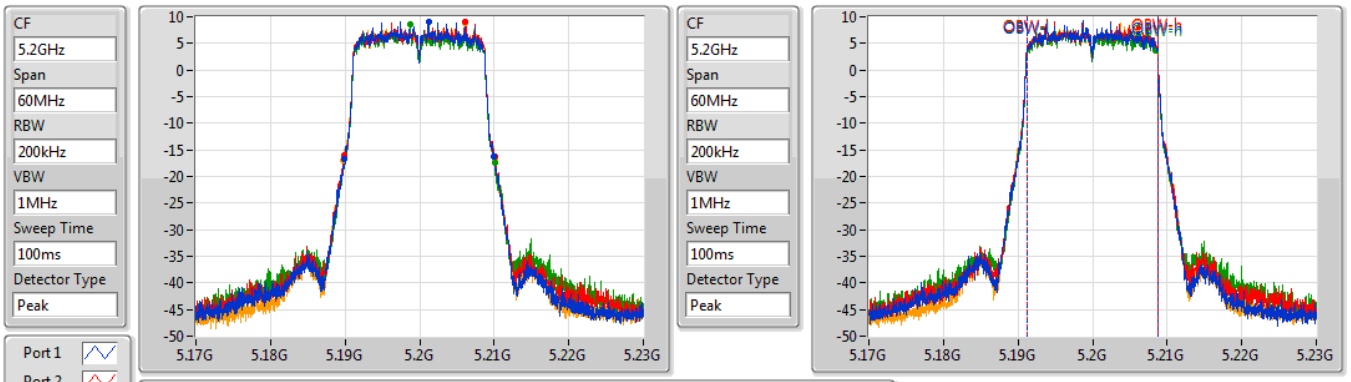
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.95M	5.17004G	5.18999G	17.571M	5.171154G	5.188726G	Inf	1
20.19M	5.16986G	5.19005G	17.571M	5.171154G	5.188726G	Inf	2
20.1M	5.16992G	5.19002G	17.571M	5.171154G	5.188726G	Inf	3
20.22M	5.16983G	5.19005G	17.571M	5.171154G	5.188726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

15/04/2020



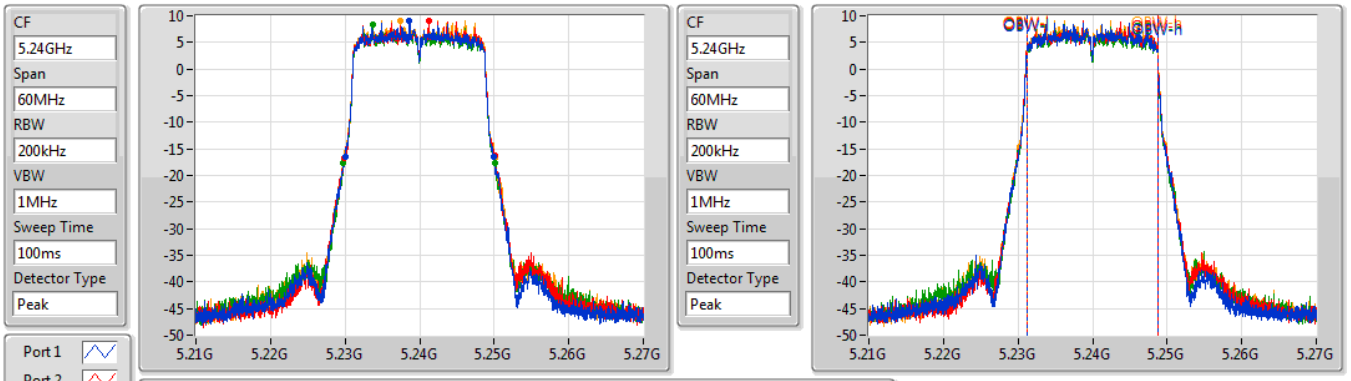
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.1M	5.18989G	5.20999G	17.571M	5.191154G	5.208726G	Inf	1
20.16M	5.18989G	5.21005G	17.571M	5.191154G	5.208726G	Inf	2
20.19M	5.18986G	5.21005G	17.571M	5.191154G	5.208726G	Inf	3
20.28M	5.1898G	5.21008G	17.571M	5.191154G	5.208726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

15/04/2020



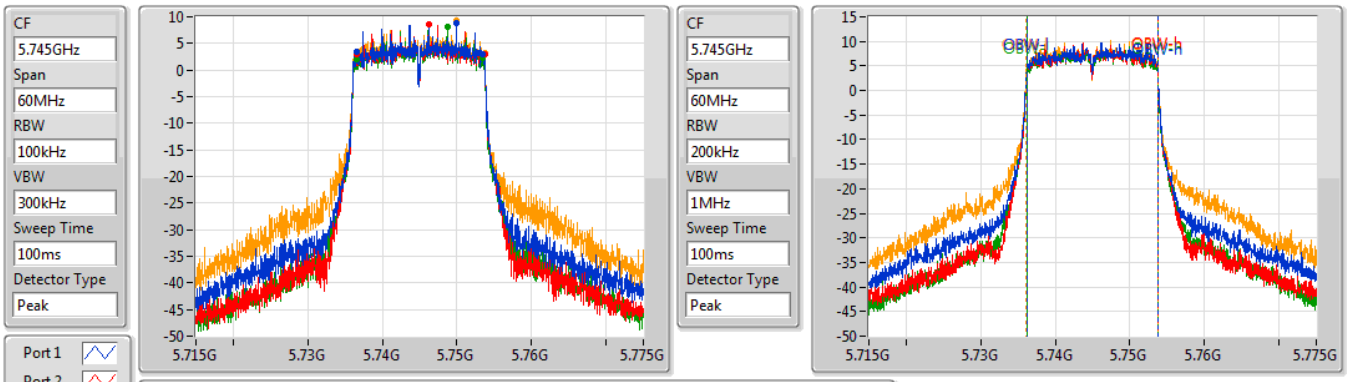
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.95M	5.23001G	5.24996G	17.571M	5.231154G	5.248726G	Inf	1
20.19M	5.22986G	5.25005G	17.571M	5.231154G	5.248726G	Inf	2
20.34M	5.2298G	5.25014G	17.571M	5.231154G	5.248726G	Inf	3
20.19M	5.22986G	5.25005G	17.571M	5.231154G	5.248726G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

10/04/2020



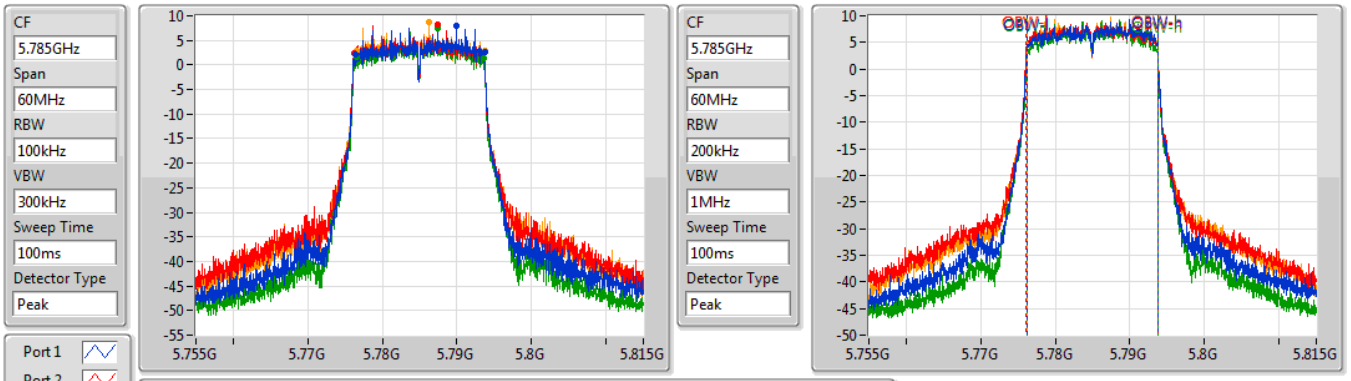
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.92M	5.73654G	5.75346G	17.601M	5.736154G	5.753756G	500k	1
17.16M	5.73654G	5.7537G	17.571M	5.736154G	5.753726G	500k	2
16.89M	5.73654G	5.75343G	17.571M	5.736154G	5.753726G	500k	3
16.92M	5.73678G	5.7537G	17.631M	5.736124G	5.753756G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

10/04/2020



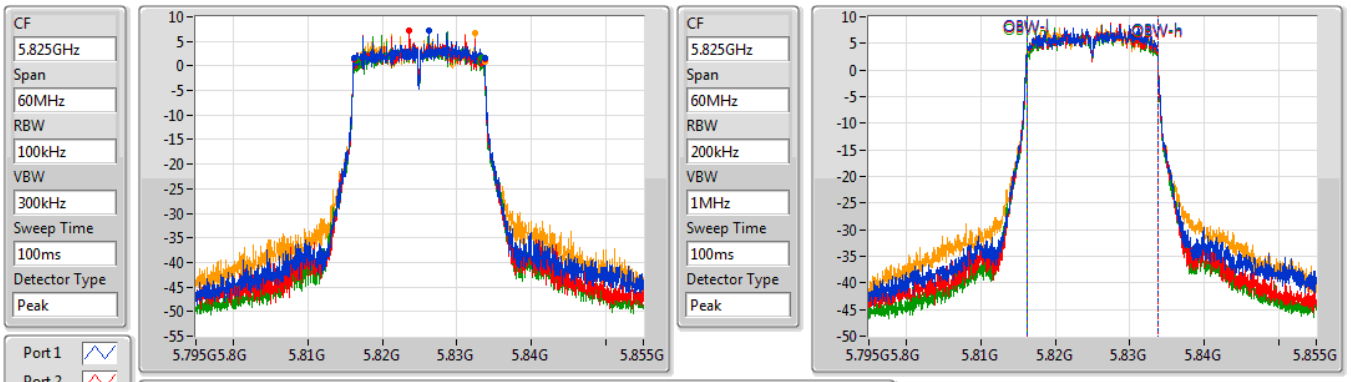
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.77645G	5.7937G	17.571M	5.776154G	5.793726G	500k	1
17.55M	5.77615G	5.7937G	17.601M	5.776124G	5.793726G	500k	2
17.13M	5.77654G	5.79367G	17.511M	5.776184G	5.793696G	500k	3
17.13M	5.77657G	5.7937G	17.571M	5.776154G	5.793726G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

10/04/2020



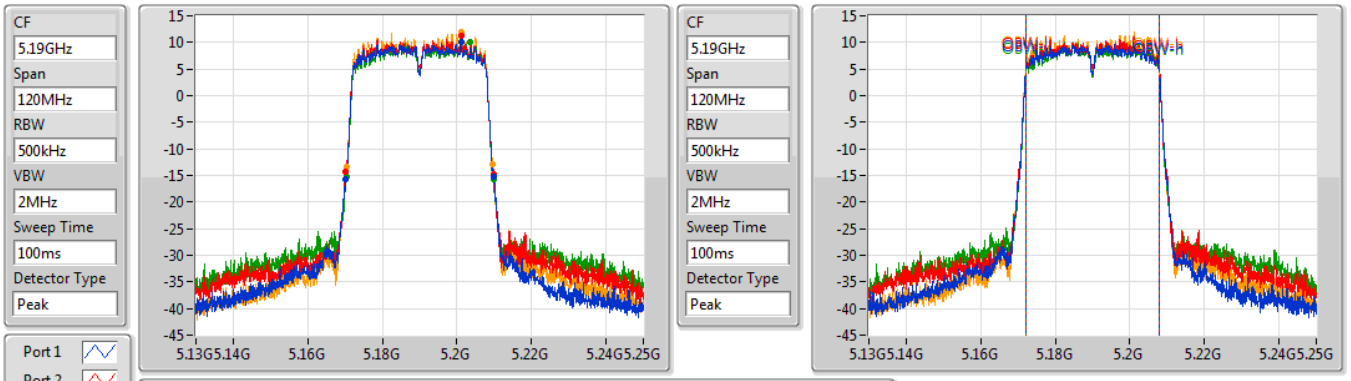
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81615G	5.8337G	17.571M	5.816154G	5.833726G	500k	1
17.55M	5.81615G	5.8337G	17.571M	5.816154G	5.833726G	500k	2
16.77M	5.81654G	5.83331G	17.511M	5.816184G	5.833696G	500k	3
17.58M	5.81615G	5.83373G	17.571M	5.816154G	5.833726G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

10/04/2020



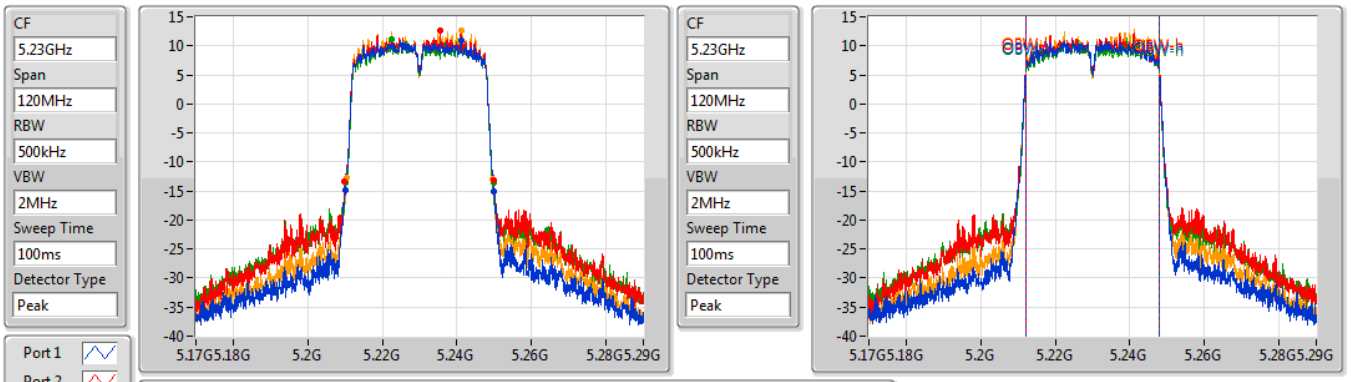
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.84M	5.1702G	5.21004G	35.862M	5.172069G	5.207931G	Inf	1
39.78M	5.17014G	5.20992G	35.742M	5.172129G	5.207871G	Inf	2
39.6M	5.17032G	5.20992G	35.802M	5.172129G	5.207931G	Inf	3
39.18M	5.17032G	5.2095G	35.742M	5.172129G	5.207871G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

10/04/2020



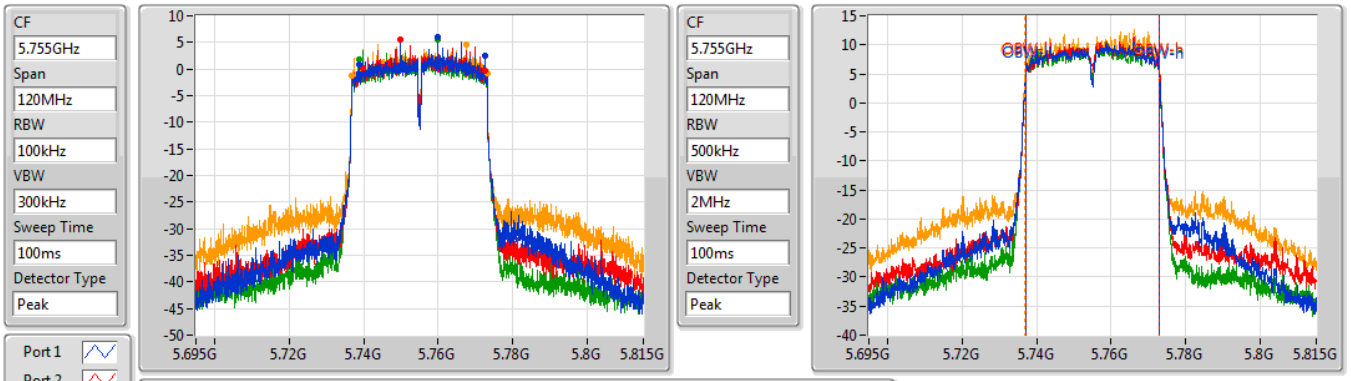
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.20996G	5.25004G	35.922M	5.212009G	5.247931G	Inf	1
39.96M	5.2099G	5.24986G	35.862M	5.212069G	5.247931G	Inf	2
39.9M	5.21002G	5.24992G	35.862M	5.212069G	5.247931G	Inf	3
39.18M	5.21044G	5.24962G	35.742M	5.212129G	5.247871G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

10/04/2020



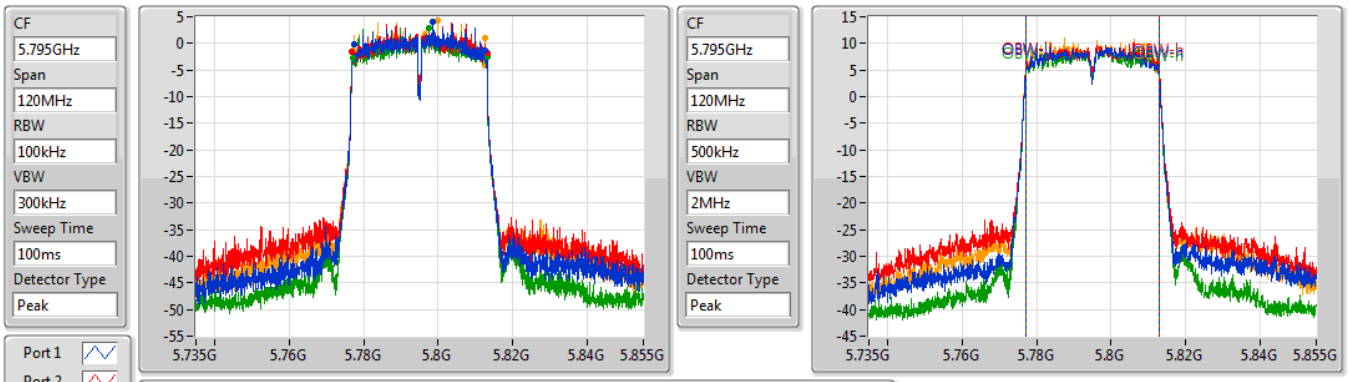
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.78M	5.73868G	5.77246G	35.982M	5.737009G	5.772991G	500k	1
33.06M	5.73964G	5.7727G	35.922M	5.737069G	5.772991G	500k	2
33.72M	5.73868G	5.7724G	35.982M	5.737009G	5.772991G	500k	3
36.3M	5.73676G	5.77306G	36.042M	5.736949G	5.772991G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

10/04/2020



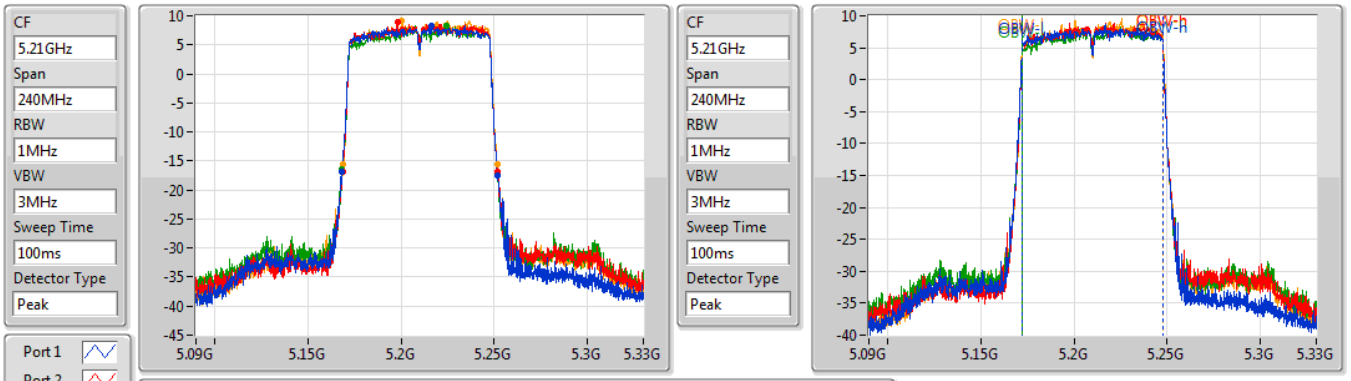
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.04M	5.77736G	5.8124G	35.862M	5.777009G	5.812871G	500k	1
36.24M	5.77682G	5.81306G	35.922M	5.777009G	5.812931G	500k	2
35.94M	5.77712G	5.81306G	35.922M	5.777009G	5.812931G	500k	3
35.28M	5.77712G	5.8124G	35.802M	5.777009G	5.812811G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

10/04/2020



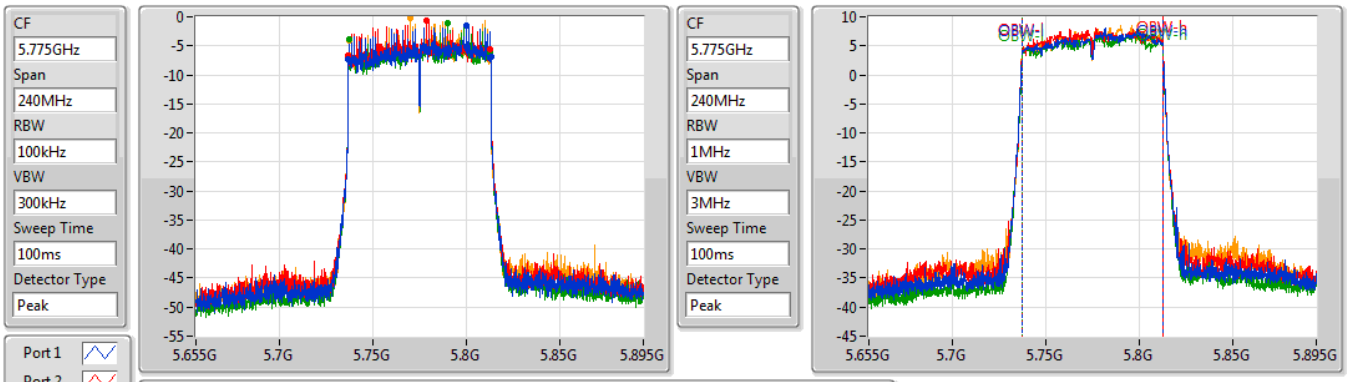
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.64M	5.16836G	5.252G	75.802M	5.172099G	5.247901G	Inf	1
83.4M	5.1686G	5.252G	75.562M	5.172219G	5.247781G	Inf	2
83.52M	5.16836G	5.25188G	75.682M	5.172219G	5.247901G	Inf	3
82.56M	5.16896G	5.25152G	75.682M	5.172219G	5.247901G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5775MHz

10/04/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.32M	5.73684G	5.81316G	75.682M	5.737219G	5.812901G	500k	1
76.2M	5.73684G	5.81304G	75.682M	5.737219G	5.812901G	500k	2
75.6M	5.73744G	5.81304G	75.922M	5.737099G	5.813021G	500k	3
75.12M	5.73732G	5.81244G	75.682M	5.737099G	5.812781G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	24.50	0.28184
802.11ac VHT20_Nss1,(MCS0)_4TX	24.81	0.30269
802.11ac VHT40_Nss1,(MCS0)_4TX	26.06	0.40365
802.11ac VHT80_Nss1,(MCS0)_4TX	23.26	0.21184
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	26.09	0.40644
802.11ac VHT20_Nss1,(MCS0)_4TX	25.65	0.36728
802.11ac VHT40_Nss1,(MCS0)_4TX	25.51	0.35563
802.11ac VHT80_Nss1,(MCS0)_4TX	22.09	0.16181

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	5.70	18.31	18.40	17.69	18.48	24.25	30.00
5200MHz	Pass	5.70	18.68	18.59	17.94	18.65	24.50	30.00
5240MHz	Pass	5.70	18.19	18.31	17.91	18.81	24.34	30.00
5745MHz	Pass	5.70	20.21	20.03	19.57	20.42	26.09	30.00
5785MHz	Pass	5.70	19.04	19.10	18.53	19.21	25.00	30.00
5825MHz	Pass	5.70	18.21	18.31	17.92	18.30	24.21	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.70	18.68	18.96	18.12	18.91	24.70	30.00
5200MHz	Pass	5.70	18.69	18.98	18.43	19.02	24.81	30.00
5240MHz	Pass	5.70	18.48	18.62	18.32	19.07	24.65	30.00
5745MHz	Pass	5.70	19.64	19.47	19.34	20.05	25.65	30.00
5785MHz	Pass	5.70	19.16	19.36	18.73	19.36	25.18	30.00
5825MHz	Pass	5.70	18.59	18.53	18.19	18.07	24.37	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.70	19.13	19.60	18.38	19.53	25.21	30.00
5230MHz	Pass	5.70	19.50	20.60	19.69	20.27	26.06	30.00
5755MHz	Pass	5.70	19.38	19.59	18.95	19.97	25.51	30.00
5795MHz	Pass	5.70	18.56	18.70	17.78	18.43	24.40	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.70	17.26	17.38	16.69	17.56	23.26	30.00
5775MHz	Pass	5.70	16.06	16.39	15.48	16.30	22.09	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	11.51
802.11ac VHT20_Nss1,(MCS0)_4TX	11.49
802.11ac VHT40_Nss1,(MCS0)_4TX	10.30
802.11ac VHT80_Nss1,(MCS0)_4TX	4.15
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	11.81
802.11ac VHT20_Nss1,(MCS0)_4TX	11.03
802.11ac VHT40_Nss1,(MCS0)_4TX	8.34
802.11ac VHT80_Nss1,(MCS0)_4TX	1.90

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

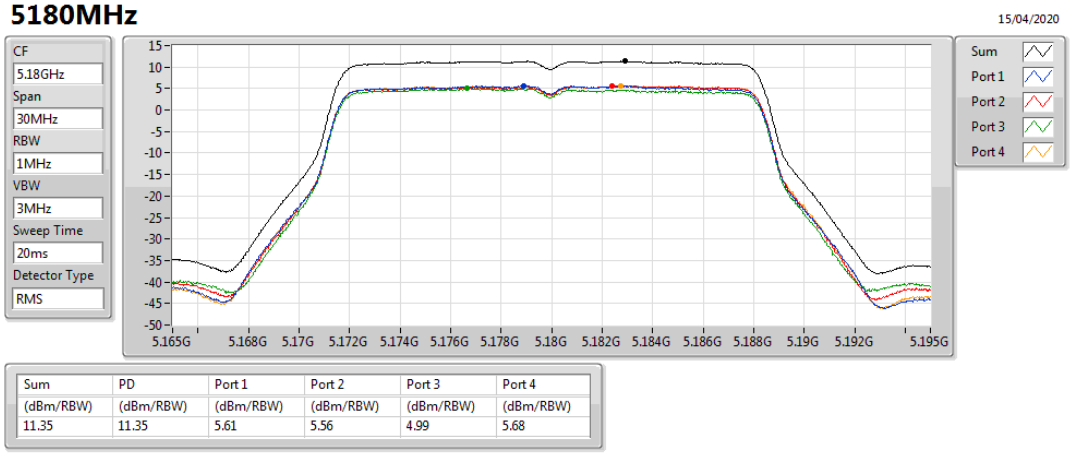
Result

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	11.43	5.61	5.56	4.99	5.68	11.35	11.57
5200MHz	Pass	11.43	5.80	5.82	5.36	5.81	11.51	11.57
5240MHz	Pass	11.43	5.48	5.56	5.22	5.96	11.47	11.57
5745MHz	Pass	11.43	6.00	5.83	5.37	6.36	11.81	24.57
5785MHz	Pass	11.43	5.08	5.18	4.67	5.55	11.02	24.57
5825MHz	Pass	11.43	4.09	4.35	4.06	4.65	10.17	24.57
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	11.43	5.58	5.75	5.12	5.74	11.40	11.57
5200MHz	Pass	11.43	5.63	5.84	5.30	5.74	11.49	11.57
5240MHz	Pass	11.43	5.36	5.49	5.21	5.95	11.36	11.57
5745MHz	Pass	11.43	5.15	5.11	4.73	5.61	11.03	24.57
5785MHz	Pass	11.43	4.94	5.12	4.41	5.55	10.86	24.57
5825MHz	Pass	11.43	4.10	4.30	3.90	4.61	10.08	24.57
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	11.43	3.25	4.02	2.91	3.66	9.33	11.57
5230MHz	Pass	11.43	4.50	4.98	4.08	4.54	10.30	11.57
5755MHz	Pass	11.43	2.29	2.66	1.79	3.05	8.34	24.57
5795MHz	Pass	11.43	1.65	1.68	1.05	2.03	7.49	24.57
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	11.43	-1.78	-1.63	-2.09	-1.17	4.15	11.57
5775MHz	Pass	11.43	-3.86	-3.77	-4.56	-3.36	1.90	24.57

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

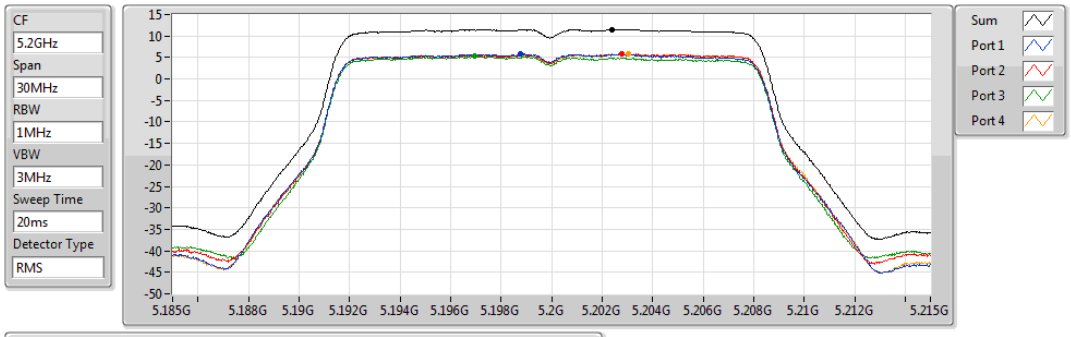
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.35	11.35	5.61	5.56	4.99	5.68

802.11a_Nss1,(6Mbps)_4TX PSD

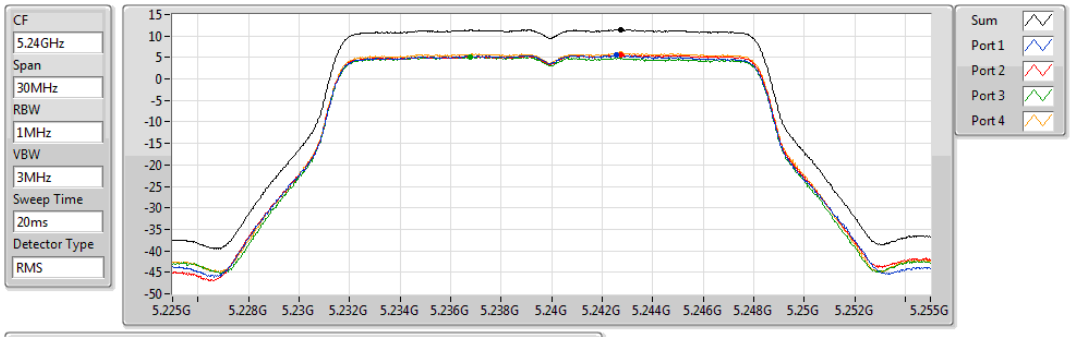
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.51	11.51	5.80	5.82	5.36	5.81

802.11a_Nss1,(6Mbps)_4TX PSD

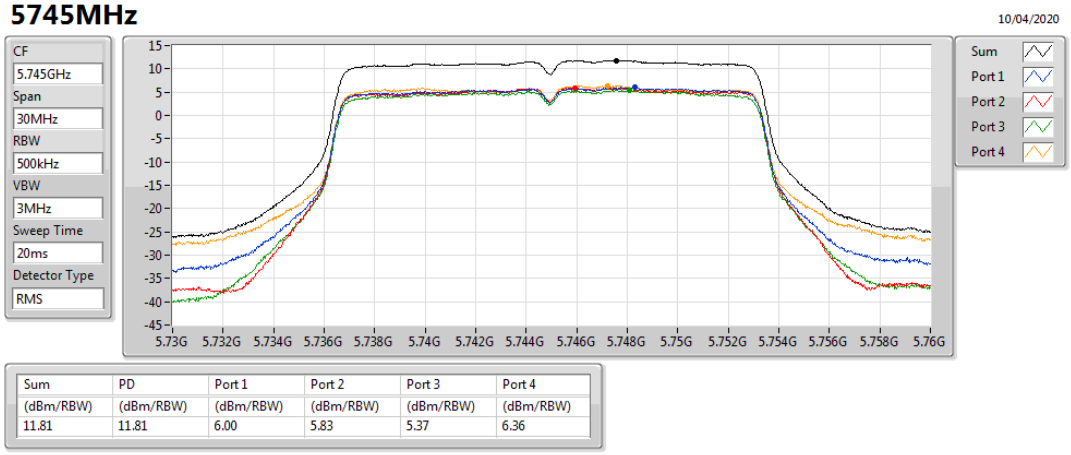
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.47	11.47	5.48	5.56	5.22	5.96

802.11a_Nss1,(6Mbps)_4TX PSD

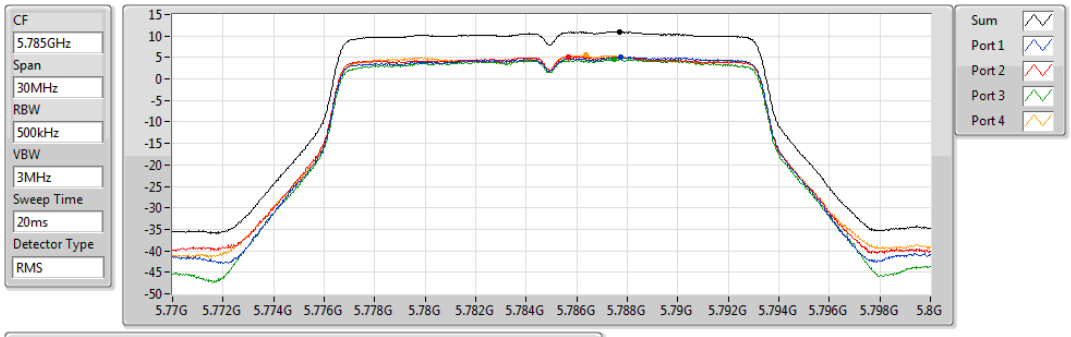
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.81	11.81	6.00	5.83	5.37	6.36

802.11a_Nss1,(6Mbps)_4TX PSD

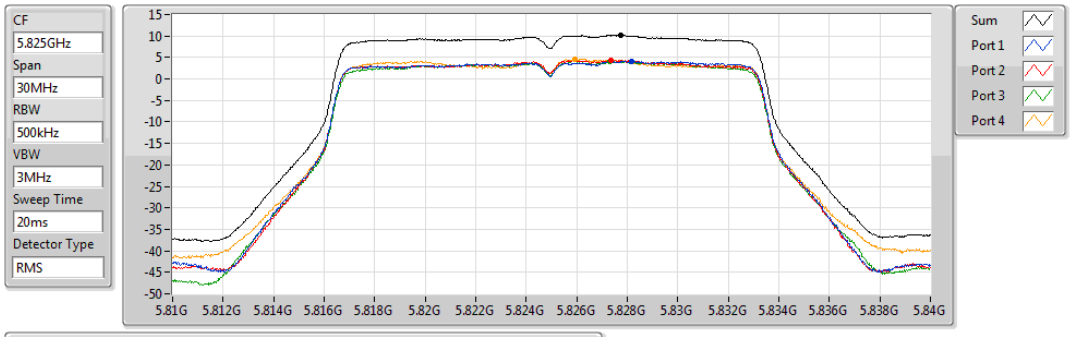
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.02	11.02	5.08	5.18	4.67	5.55

802.11a_Nss1,(6Mbps)_4TX PSD

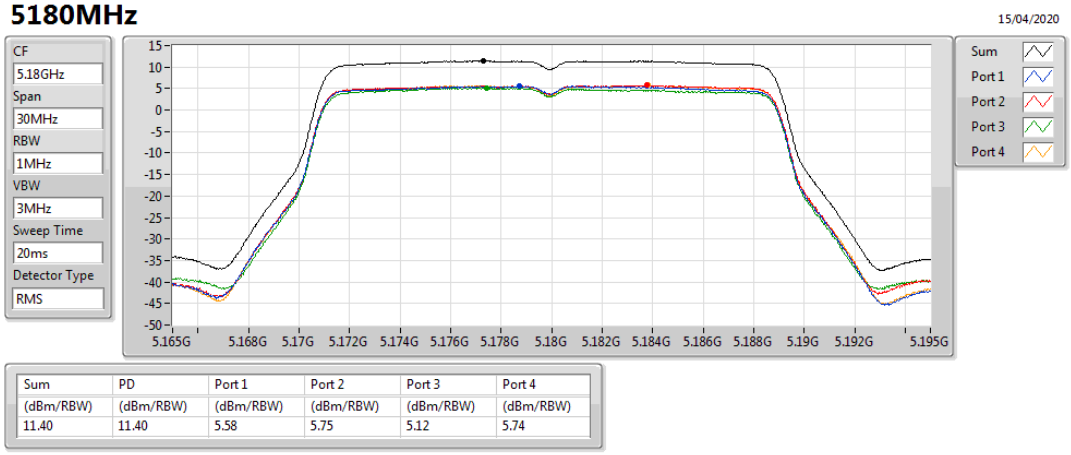
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.17	10.17	4.09	4.35	4.06	4.65

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

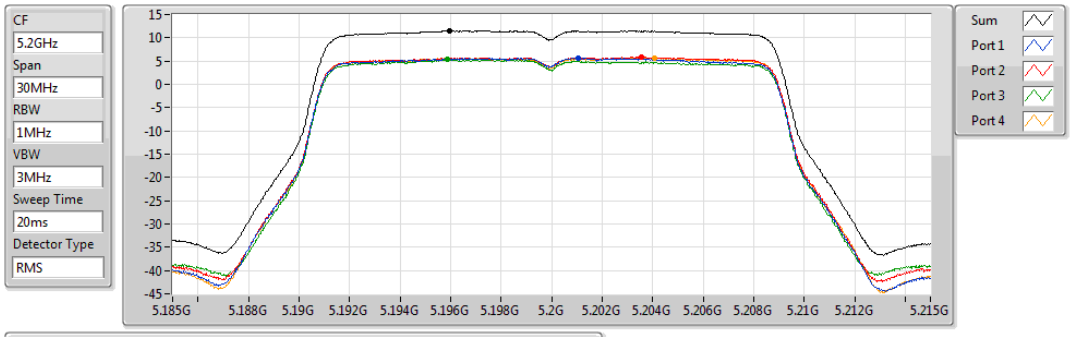
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.40	11.40	5.58	5.75	5.12	5.74

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

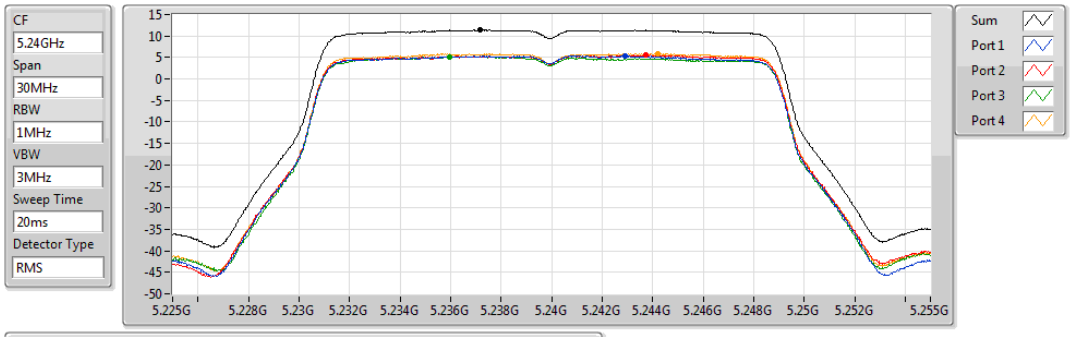
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.49	11.49	5.63	5.84	5.30	5.74

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

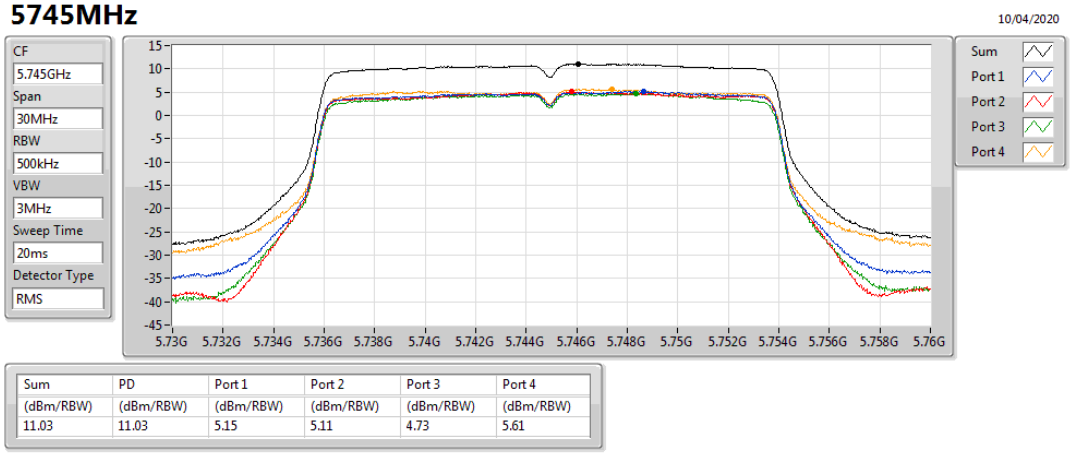
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.36	11.36	5.36	5.49	5.21	5.95

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

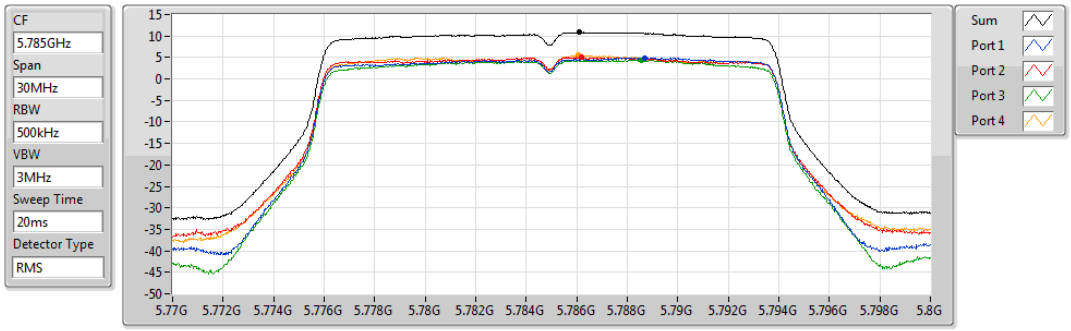
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.03	11.03	5.15	5.11	4.73	5.61

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

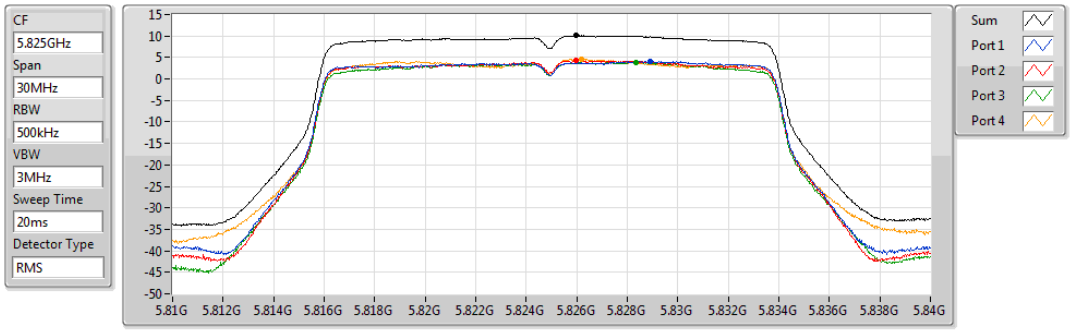
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	4.94	5.12	4.41	5.55

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

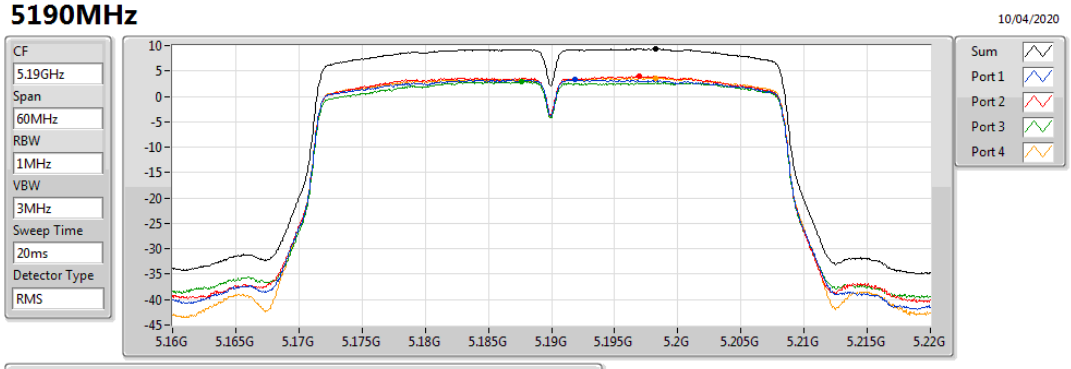
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.08	10.08	4.10	4.30	3.90	4.61

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

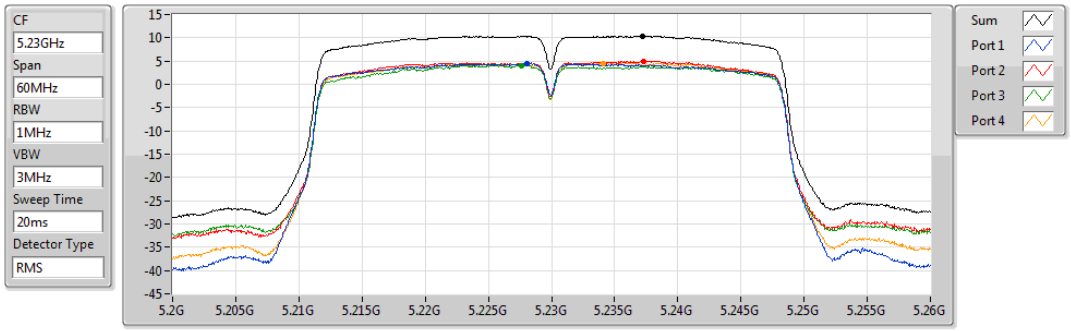
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.33	9.33	3.25	4.02	2.91	3.66

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

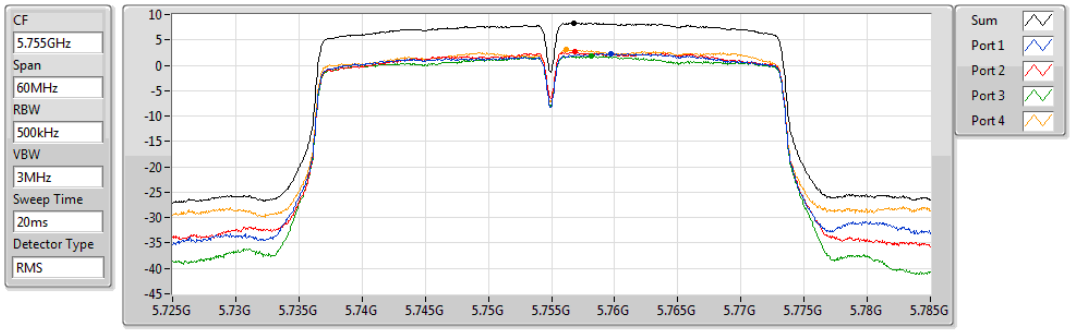
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.30	10.30	4.50	4.98	4.08	4.54

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

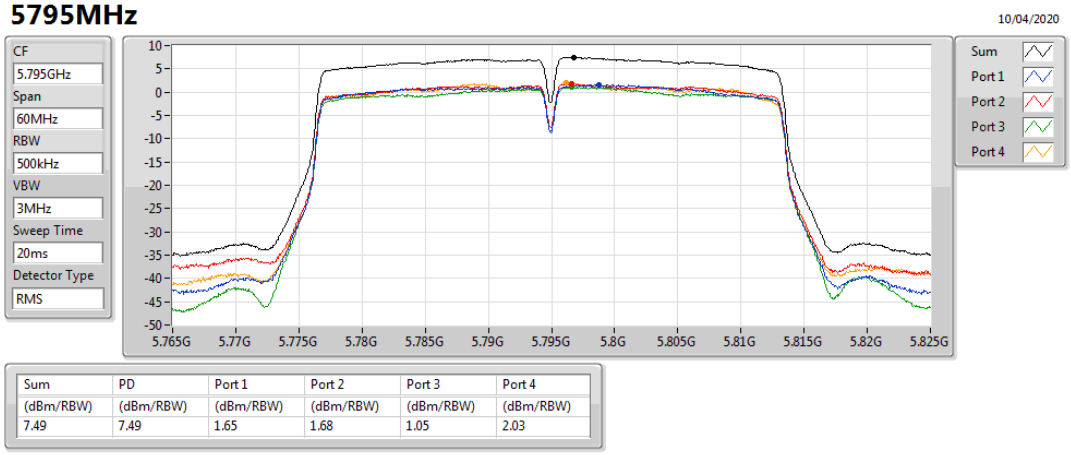
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.34	8.34	2.29	2.66	1.79	3.05

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

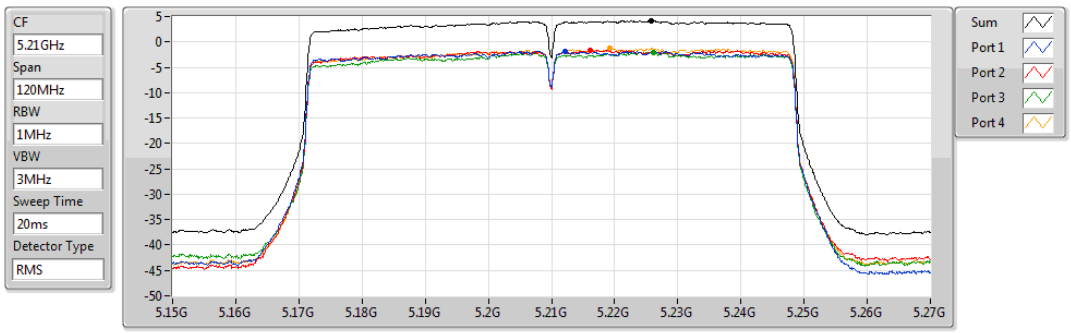
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.49	7.49	1.65	1.68	1.05	2.03

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

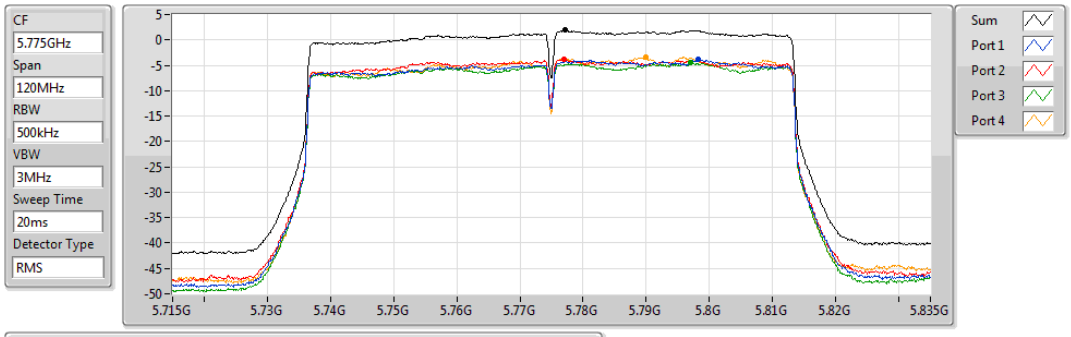
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.15	4.15	-1.78	-1.63	-2.09	-1.17

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

5775MHz

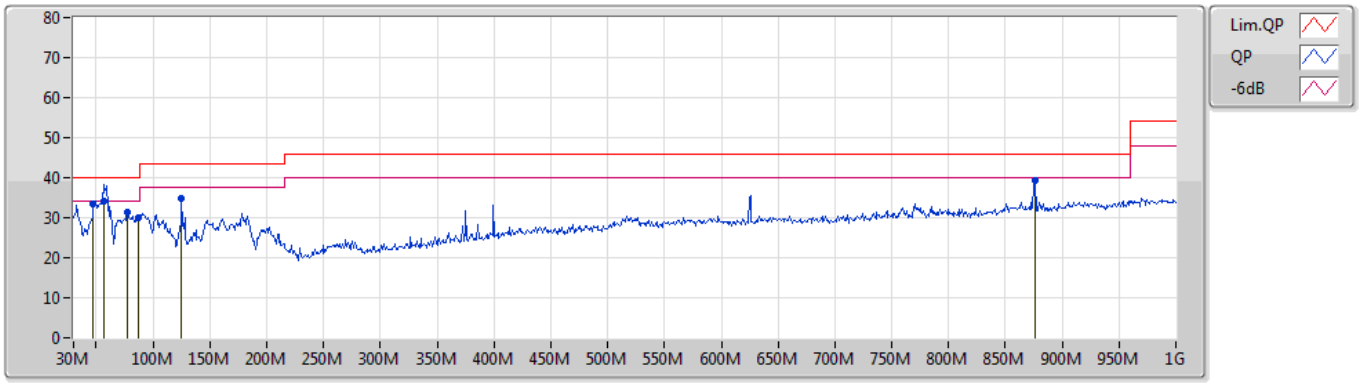


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.90	1.90	-3.86	-3.77	-4.56	-3.36

Summary

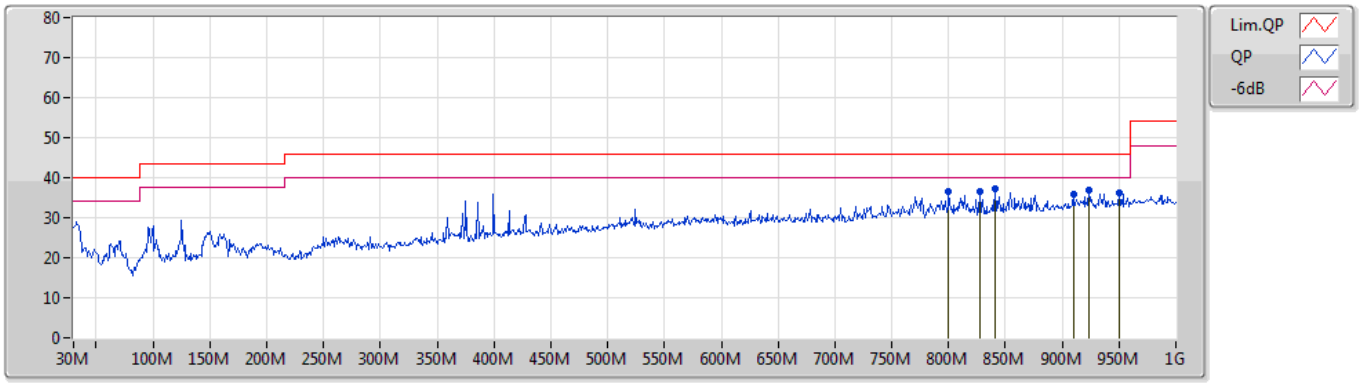
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	QP	56.19M	34.09	40.00	-5.91	Vertical

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	47.46M	33.49	40.00	-6.51	-16.10	3	Vertical	94	1.00	-	49.59	15.12	1.49	32.71
QP	56.19M	34.09	40.00	-5.91	-18.61	3	Vertical	201	1.00	"Worst"	52.70	12.48	1.52	32.61
PK	77.53M	31.35	40.00	-8.65	-18.18	3	Vertical	167	1.25	-	49.53	12.47	1.84	32.49
PK	87.23M	29.89	40.00	-10.11	-16.34	3	Vertical	117	1.25	-	46.23	14.15	1.94	32.43
PK	125.06M	34.95	43.50	-8.55	-12.27	3	Vertical	168	1.00	-	47.22	17.93	2.33	32.53
PK	875.84M	39.30	46.00	-6.70	0.99	3	Vertical	73	1.50	-	38.31	26.36	6.36	31.73

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV/m)	(dB/m)	(dB)	(dB)
PK	800.18M	36.52	46.00	-9.48	-0.63	3	Horizontal	106	1.25	-	37.15	25.88	5.80	32.31
PK	827.34M	36.70	46.00	-9.30	-0.09	3	Horizontal	122	1.25	-	36.79	25.93	5.96	31.98
PK	840.92M	37.09	46.00	-8.91	0.34	3	Horizontal	99	1.00	"Worst"	36.75	26.13	6.05	31.84
PK	909.79M	35.85	46.00	-10.15	1.63	3	Horizontal	132	1.00	-	34.22	26.70	6.60	31.67
PK	923.37M	36.76	46.00	-9.24	1.56	3	Horizontal	108	1.00	-	35.20	26.55	6.60	31.59
PK	950.53M	36.10	46.00	-9.90	2.00	3	Horizontal	141	1.00	-	34.10	26.80	6.60	31.40

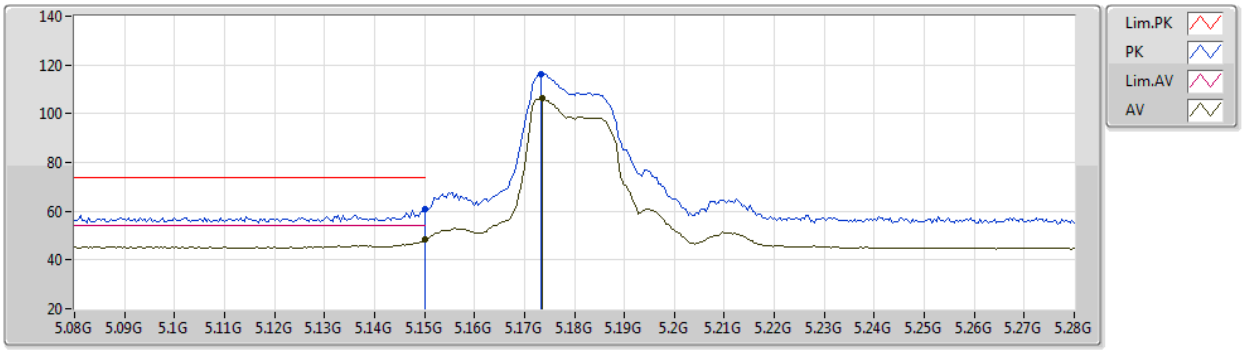
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	AV	5.1408G	53.99	54.00	-0.01	3	Horizontal	180	1.80	-

802.11a_Nss1,(6Mbps)_4TX

09/04/2020

5180MHz_TX



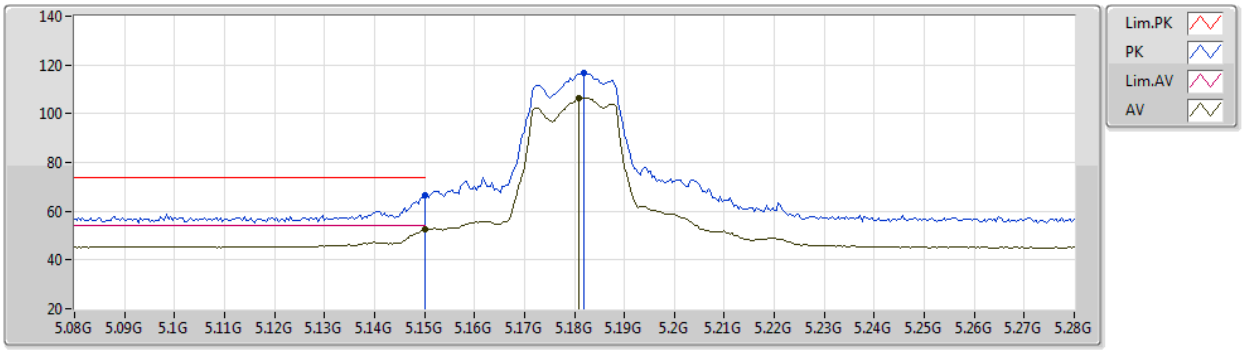
EUT Y_4TX
Setting 19
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	60.93	74.00	-13.07	55.21	3	Vertical	324	1.80	-	31.75	5.60	31.63
AV	5.15G	48.34	54.00	-5.66	42.62	3	Vertical	324	1.80	-	31.75	5.60	31.63
PK	5.1732G	116.30	Inf	-Inf	110.72	3	Vertical	324	1.80	-	31.63	5.60	31.65
AV	5.1736G	106.25	Inf	-Inf	100.67	3	Vertical	324	1.80	-	31.63	5.60	31.65

802.11a_Nss1,(6Mbps)_4TX

09/04/2020

5180MHz_TX



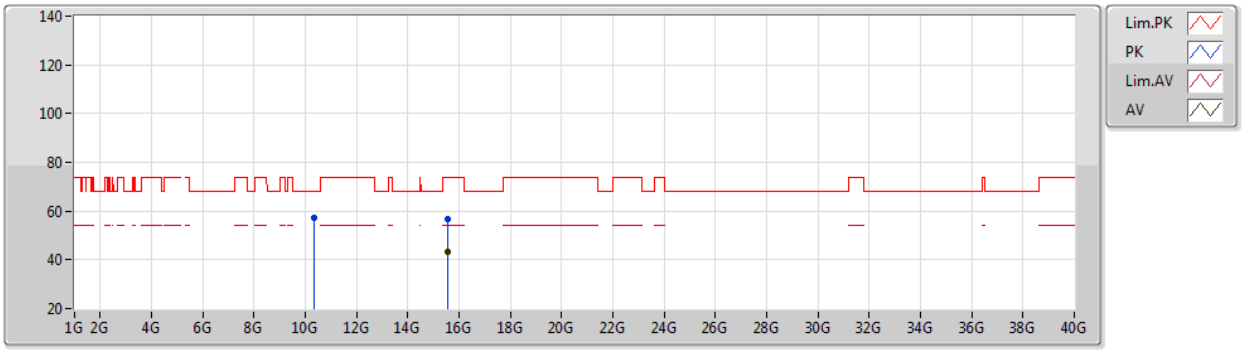
EUT Y_4TX
Setting 19
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	66.37	74.00	-7.63	60.65	3	Horizontal	176	1.67	-	31.75	5.60	31.63
AV	5.15G	52.60	54.00	-1.40	46.88	3	Horizontal	176	1.67	-	31.75	5.60	31.63
PK	5.182G	116.48	Inf	-Inf	110.94	3	Horizontal	176	1.67	-	31.59	5.60	31.65
AV	5.1808G	106.61	Inf	-Inf	101.06	3	Horizontal	176	1.67	-	31.60	5.60	31.65

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

09/04/2020



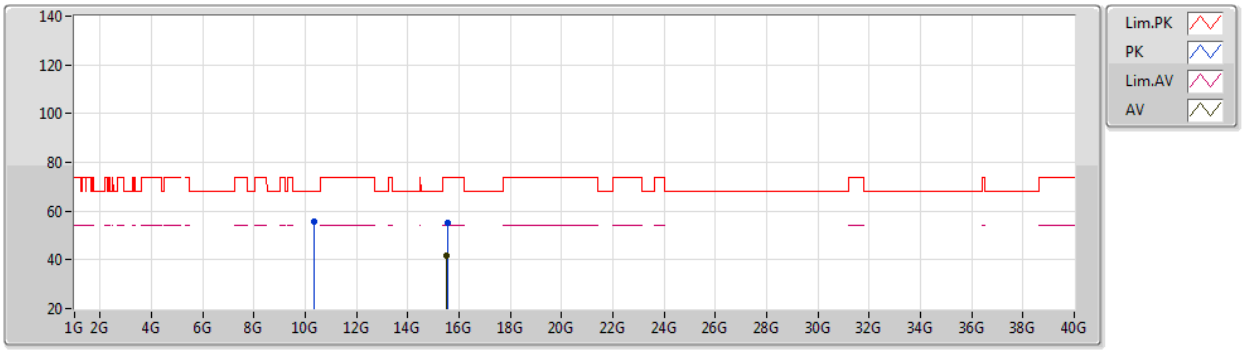
EUT Y_4TX
Setting 19
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.35368G	57.08	68.20	-11.12	43.38	3	Vertical	78	1.48	-	39.56	7.72	33.58
PK	15.5462G	56.63	74.00	-17.37	42.51	3	Vertical	131	1.80	-	39.09	8.75	33.72
AV	15.54576G	43.32	54.00	-10.68	29.20	3	Vertical	131	1.80	-	39.09	8.75	33.72

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

09/04/2020



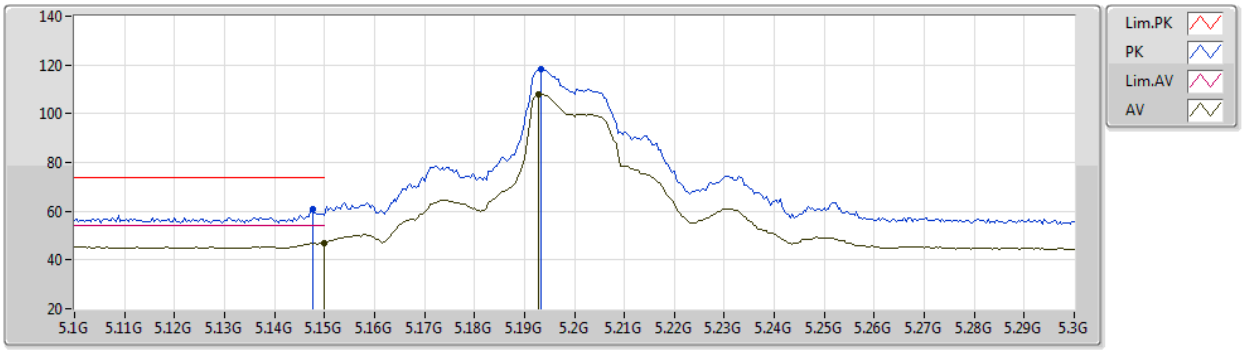
EUT Y_4TX
Setting 19
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.35968G	55.74	68.20	-12.46	42.03	3	Horizontal	306	2.00	-	39.57	7.73	33.59
PK	15.54228G	55.22	74.00	-18.78	41.09	3	Horizontal	232	1.80	-	39.10	8.75	33.72
AV	15.53188G	41.93	54.00	-12.07	27.76	3	Horizontal	232	1.80	-	39.14	8.75	33.72

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

09/04/2020



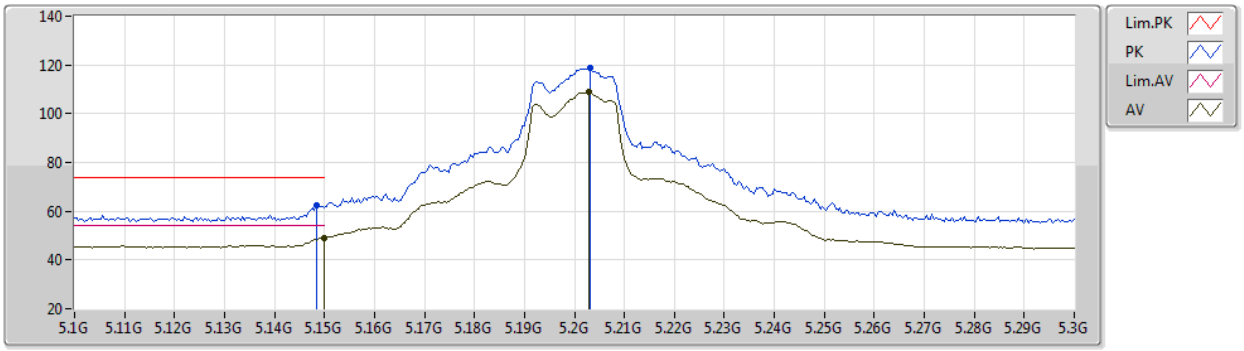
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1476G	60.67	74.00	-13.33	54.94	3	Vertical	326	1.78	-	31.76	5.60	31.63
AV	5.15G	47.07	54.00	-6.93	41.35	3	Vertical	326	1.78	-	31.75	5.60	31.63
PK	5.1932G	118.24	Inf	-Inf	112.77	3	Vertical	326	1.78	-	31.53	5.60	31.66
AV	5.1928G	108.02	Inf	-Inf	102.54	3	Vertical	326	1.78	-	31.54	5.60	31.66

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

09/04/2020



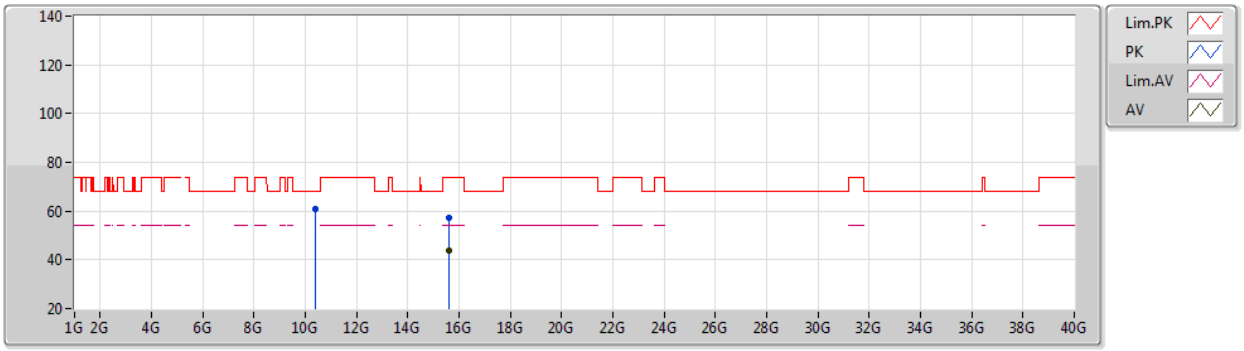
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1484G	62.22	74.00	-11.78	56.49	3	Horizontal	175	1.63	-	31.76	5.60	31.63
AV	5.15G	48.76	54.00	-5.24	43.04	3	Horizontal	175	1.63	-	31.75	5.60	31.63
PK	5.2032G	118.61	Inf	-Inf	113.18	3	Horizontal	175	1.63	-	31.49	5.60	31.66
AV	5.2028G	108.82	Inf	-Inf	103.39	3	Horizontal	175	1.63	-	31.49	5.60	31.66

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

09/04/2020



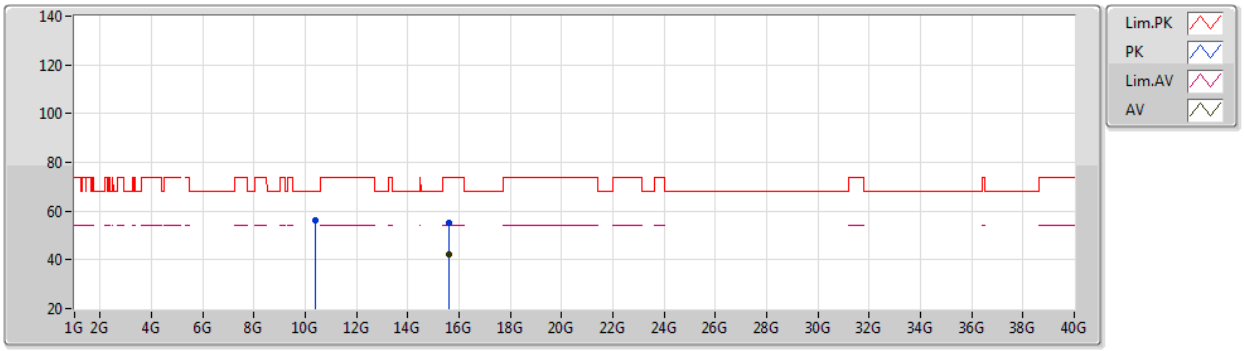
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40424G	60.76	68.20	-7.44	46.98	3	Vertical	86	3.00	-	39.63	7.74	33.59
PK	15.5976G	57.36	74.00	-16.64	43.44	3	Vertical	132	1.34	-	38.91	8.74	33.73
AV	15.59752G	44.03	54.00	-9.97	30.11	3	Vertical	132	1.34	-	38.91	8.74	33.73

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

09/04/2020



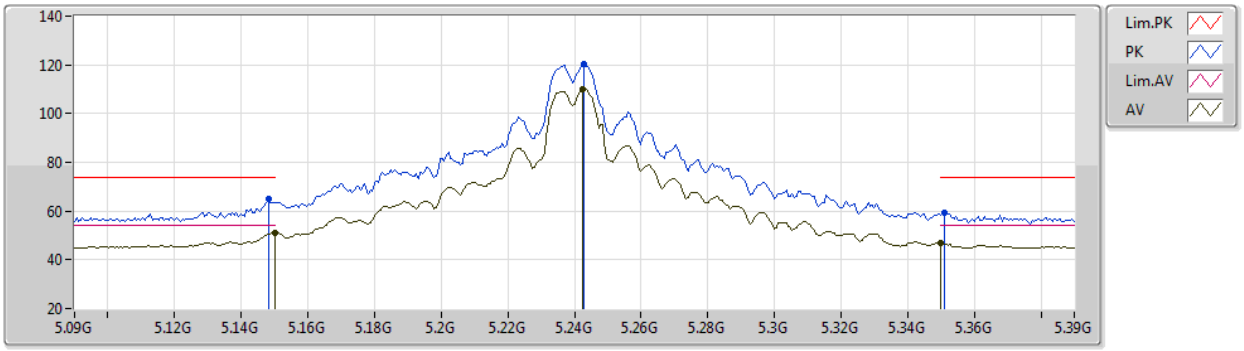
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4034G	56.37	68.20	-11.83	42.60	3	Horizontal	217	1.09	-	39.62	7.74	33.59
PK	15.60904G	55.26	74.00	-18.74	41.38	3	Horizontal	158	2.18	-	38.87	8.74	33.73
AV	15.59672G	42.22	54.00	-11.78	28.30	3	Horizontal	158	2.18	-	38.91	8.74	33.73

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

09/04/2020



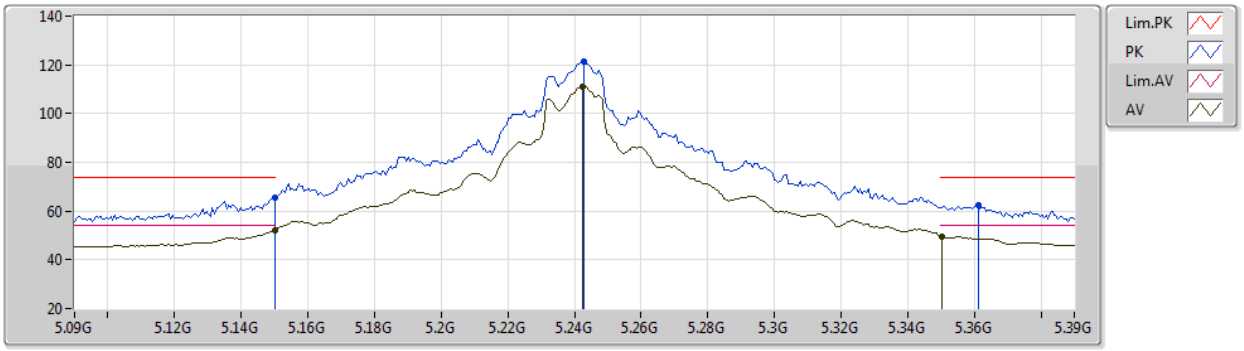
EUT Y_4TX
Setting 22.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1482G	64.86	74.00	-9.14	59.13	3	Vertical	266	1.70	-	31.76	5.60	31.63
AV	5.15G	51.26	54.00	-2.74	45.54	3	Vertical	266	1.70	-	31.75	5.60	31.63
PK	5.243G	120.28	Inf	-Inf	114.99	3	Vertical	266	1.70	-	31.33	5.64	31.68
AV	5.2424G	109.91	Inf	-Inf	104.62	3	Vertical	266	1.70	-	31.33	5.64	31.68
PK	5.351G	59.11	74.00	-14.89	53.74	3	Vertical	266	1.70	-	31.36	5.75	31.74
AV	5.35G	46.97	54.00	-7.03	41.61	3	Vertical	266	1.70	-	31.35	5.75	31.74

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

09/04/2020



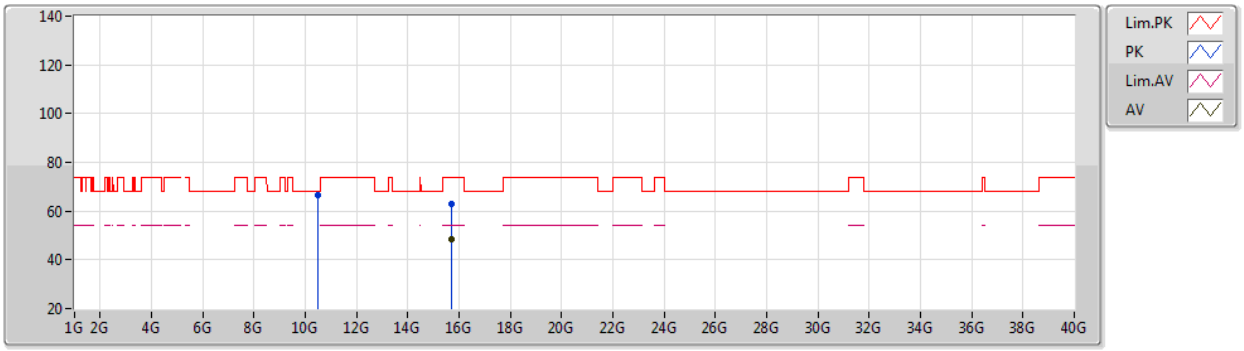
EUT Y_4TX
Setting 22.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	65.57	74.00	-8.43	59.85	3	Horizontal	178	1.78	-	31.75	5.60	31.63
AV	5.15G	52.22	54.00	-1.78	46.50	3	Horizontal	178	1.78	-	31.75	5.60	31.63
PK	5.243G	121.51	Inf	-Inf	116.22	3	Horizontal	178	1.78	-	31.33	5.64	31.68
AV	5.2424G	110.99	Inf	-Inf	105.70	3	Horizontal	178	1.78	-	31.33	5.64	31.68
PK	5.3612G	62.24	74.00	-11.76	56.81	3	Horizontal	178	1.78	-	31.41	5.76	31.74
AV	5.3504G	49.59	54.00	-4.41	44.23	3	Horizontal	178	1.78	-	31.35	5.75	31.74

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

09/04/2020



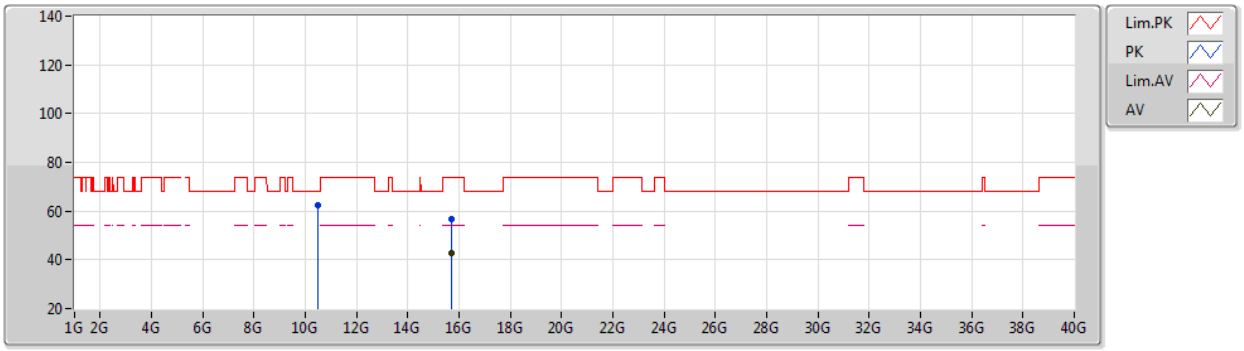
EUT Y_4TX
Setting 22.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48268G	66.73	68.20	-1.47	52.82	3	Vertical	77	1.41	-	39.73	7.77	33.59
PK	15.724G	62.76	74.00	-11.24	49.31	3	Vertical	132	2.01	-	38.47	8.73	33.75
AV	15.72424G	48.55	54.00	-5.45	35.10	3	Vertical	132	2.01	-	38.47	8.73	33.75

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

09/04/2020



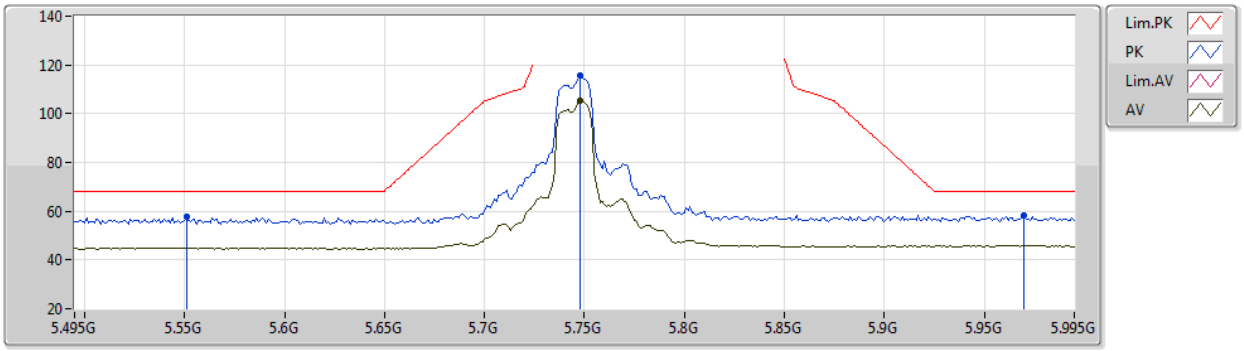
EUT Y_4TX
Setting 22.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48068G	62.18	68.20	-6.02	48.28	3	Horizontal	225	1.53	-	39.72	7.77	33.59
PK	15.72436G	56.98	74.00	-17.02	43.54	3	Horizontal	49	1.64	-	38.46	8.73	33.75
AV	15.72688G	43.01	54.00	-10.99	29.57	3	Horizontal	49	1.64	-	38.46	8.73	33.75

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

09/04/2020



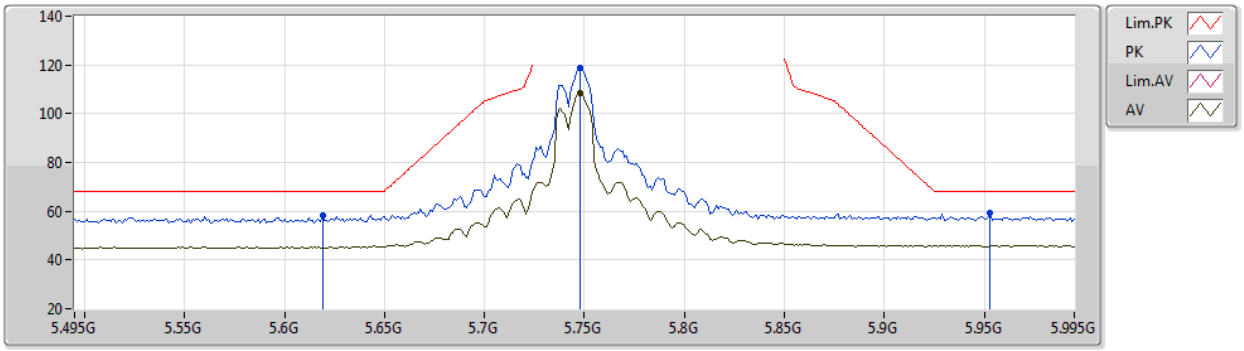
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.551G	57.67	68.20	-10.53	52.00	3	Vertical	224	1.54	-	31.70	5.80	31.83
PK	5.748G	115.50	Inf	-Inf	109.58	3	Vertical	224	1.54	-	31.89	5.94	31.91
AV	5.748G	105.51	Inf	-Inf	99.59	3	Vertical	224	1.54	-	31.89	5.94	31.91
PK	5.97G	58.21	68.20	-9.99	51.90	3	Vertical	224	1.54	-	32.40	5.92	32.01

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

09/04/2020



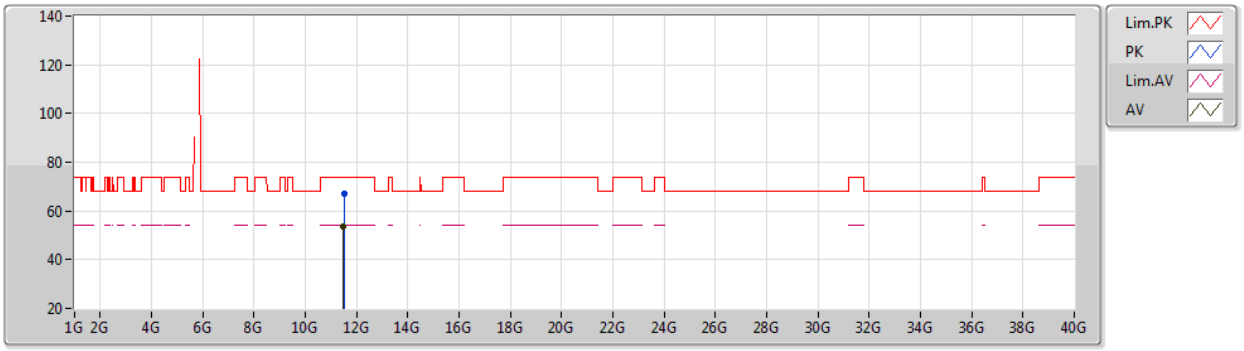
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.619G	58.10	68.20	-10.10	52.52	3	Horizontal	192	2.10	-	31.62	5.82	31.86
PK	5.748G	118.84	Inf	-Inf	112.92	3	Horizontal	192	2.10	-	31.89	5.94	31.91
AV	5.748G	108.55	Inf	-Inf	102.63	3	Horizontal	192	2.10	-	31.89	5.94	31.91
PK	5.953G	59.55	68.20	-8.65	53.23	3	Horizontal	192	2.10	-	32.40	5.92	32.00

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

09/04/2020



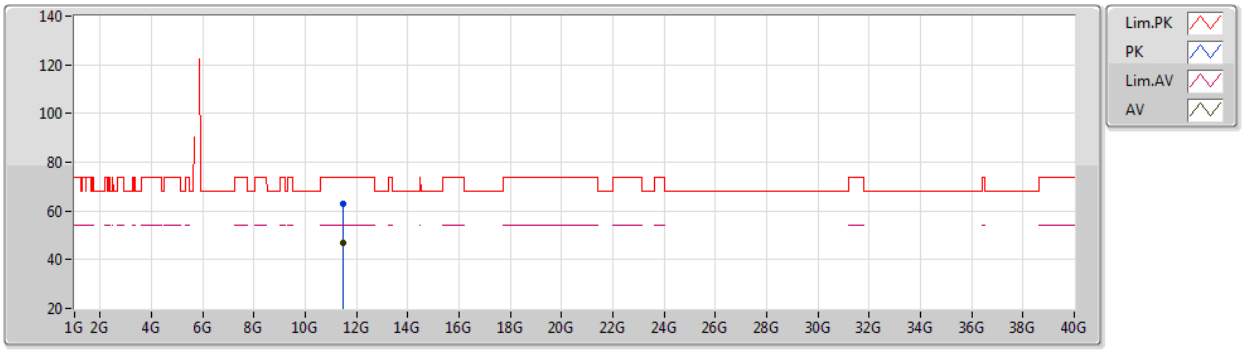
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.50008G	67.19	74.00	-6.81	53.19	3	Vertical	86	1.42	-	39.65	8.13	33.78
AV	11.4993G	53.70	54.00	-0.30	39.70	3	Vertical	86	1.42	-	39.65	8.12	33.77

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

09/04/2020



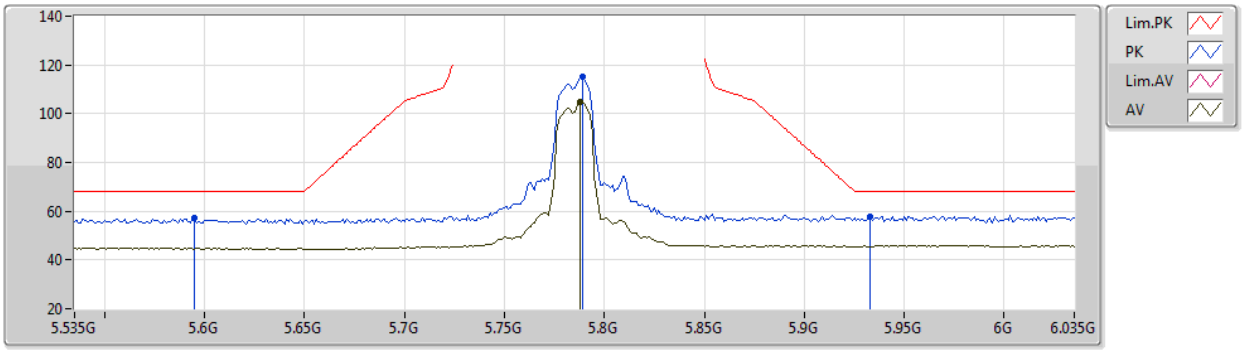
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49834G	62.87	74.00	-11.13	48.87	3	Horizontal	24	2.92	-	39.65	8.12	33.77
AV	11.49726G	47.05	54.00	-6.95	33.05	3	Horizontal	24	2.92	-	39.65	8.12	33.77

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

09/04/2020



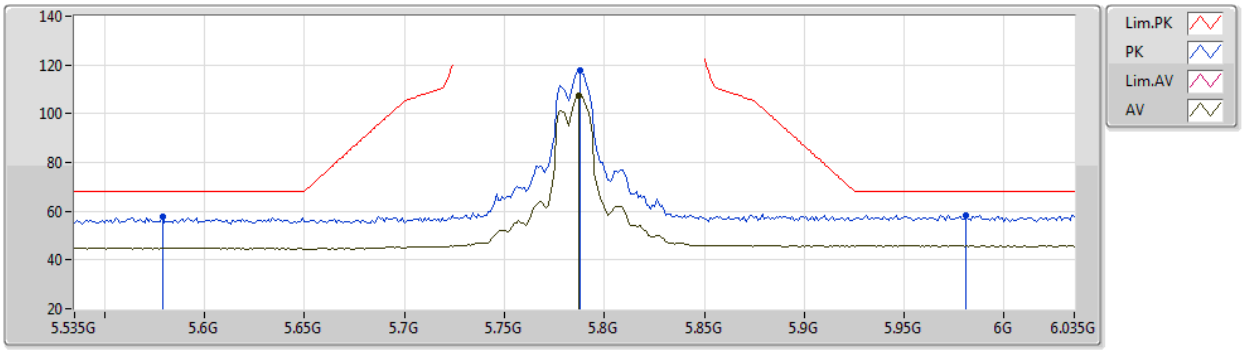
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.595G	57.39	68.20	-10.81	51.83	3	Vertical	223	1.65	-	31.61	5.80	31.85
PK	5.789G	115.36	Inf	-Inf	109.24	3	Vertical	223	1.65	-	32.06	5.99	31.93
AV	5.788G	104.99	Inf	-Inf	98.88	3	Vertical	223	1.65	-	32.05	5.99	31.93
PK	5.933G	57.91	68.20	-10.29	51.57	3	Vertical	223	1.65	-	32.40	5.93	31.99

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

09/04/2020



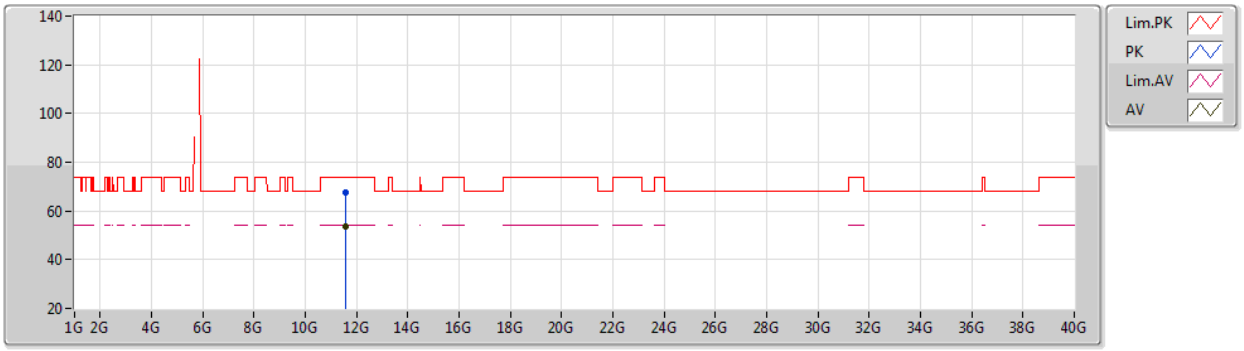
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.579G	57.57	68.20	-10.63	51.97	3	Horizontal	193	2.16	-	31.64	5.80	31.84
PK	5.788G	117.72	Inf	-Inf	111.61	3	Horizontal	193	2.16	-	32.05	5.99	31.93
AV	5.787G	107.62	Inf	-Inf	101.51	3	Horizontal	193	2.16	-	32.05	5.99	31.93
PK	5.981G	58.44	68.20	-9.76	52.14	3	Horizontal	193	2.16	-	32.40	5.91	32.01

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

09/04/2020



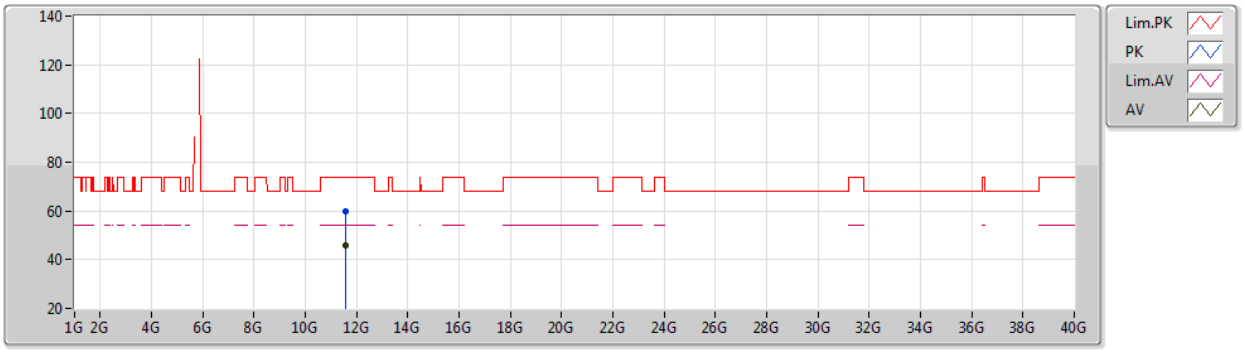
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57678G	67.46	74.00	-6.54	53.58	3	Vertical	85	1.42	-	39.53	8.15	33.80
AV	11.57756G	53.64	54.00	-0.36	39.76	3	Vertical	85	1.42	-	39.53	8.15	33.80

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

09/04/2020



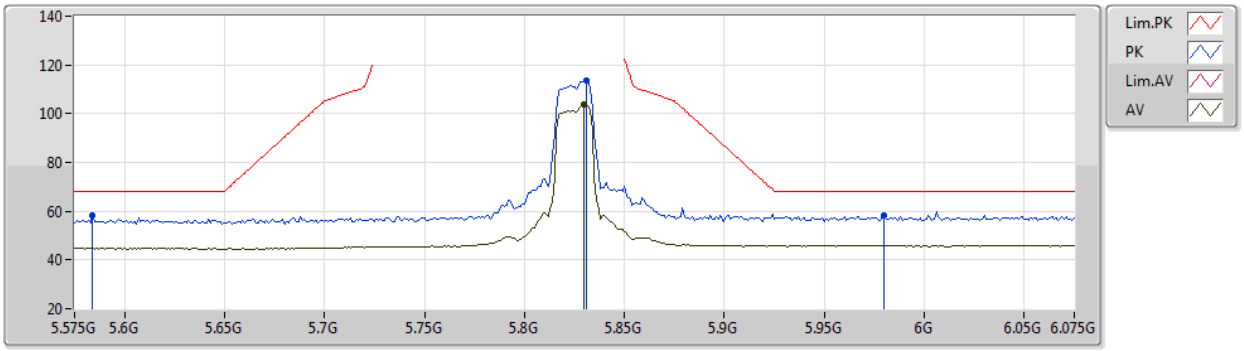
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5772G	60.02	74.00	-13.98	46.14	3	Horizontal	82	1.94	-	39.53	8.15	33.80
AV	11.57708G	46.10	54.00	-7.90	32.22	3	Horizontal	82	1.94	-	39.53	8.15	33.80

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

09/04/2020



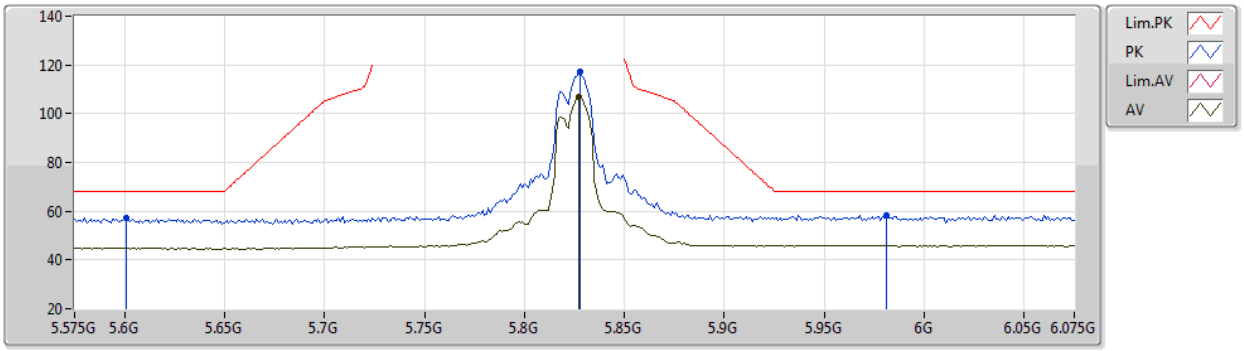
EUT Y_4TX
Setting 19
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.584G	58.12	68.20	-10.08	52.53	3	Vertical	221	1.39	-	31.63	5.80	31.84
PK	5.831G	113.55	Inf	-Inf	107.33	3	Vertical	221	1.39	-	32.19	5.98	31.95
AV	5.83G	103.94	Inf	-Inf	97.71	3	Vertical	221	1.39	-	32.19	5.99	31.95
PK	5.98G	58.43	68.20	-9.77	52.13	3	Vertical	221	1.39	-	32.40	5.91	32.01

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

09/04/2020



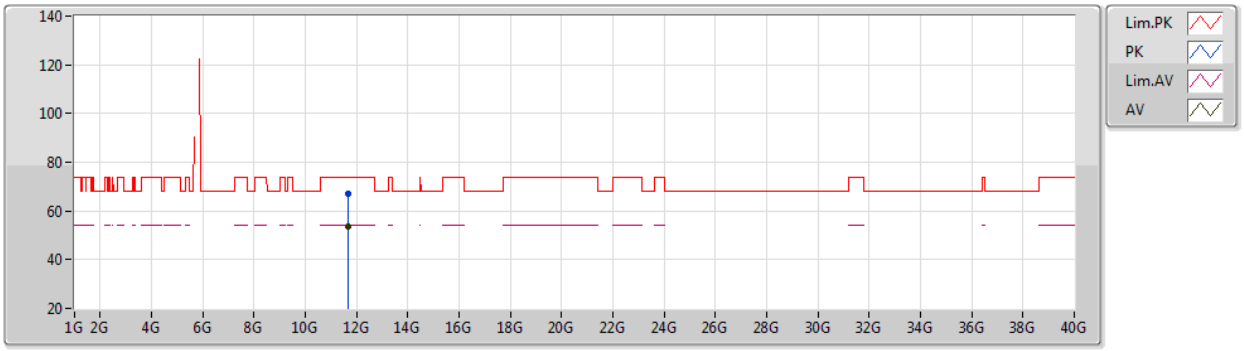
EUT Y_4TX
Setting 19
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.601G	57.07	68.20	-11.13	51.52	3	Horizontal	197	2.18	-	31.60	5.80	31.85
PK	5.828G	117.17	Inf	-Inf	110.95	3	Horizontal	197	2.18	-	32.18	5.99	31.95
AV	5.827G	106.68	Inf	-Inf	100.46	3	Horizontal	197	2.18	-	32.18	5.99	31.95
PK	5.981G	58.52	68.20	-9.68	52.22	3	Horizontal	197	2.18	-	32.40	5.91	32.01

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

09/04/2020



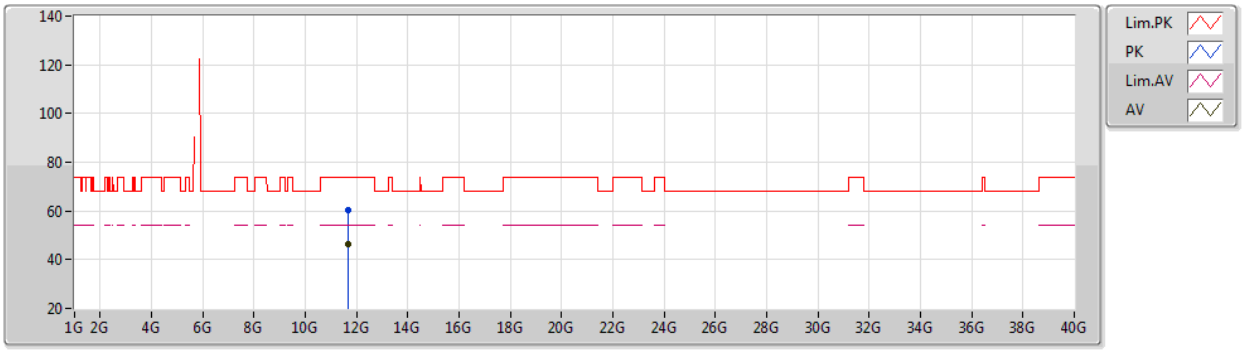
EUT Y_4TX
Setting 19
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6512G	66.94	74.00	-7.06	53.16	3	Vertical	93	1.90	-	39.42	8.18	33.82
AV	11.65012G	53.66	54.00	-0.34	39.88	3	Vertical	93	1.90	-	39.42	8.18	33.82

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

09/04/2020



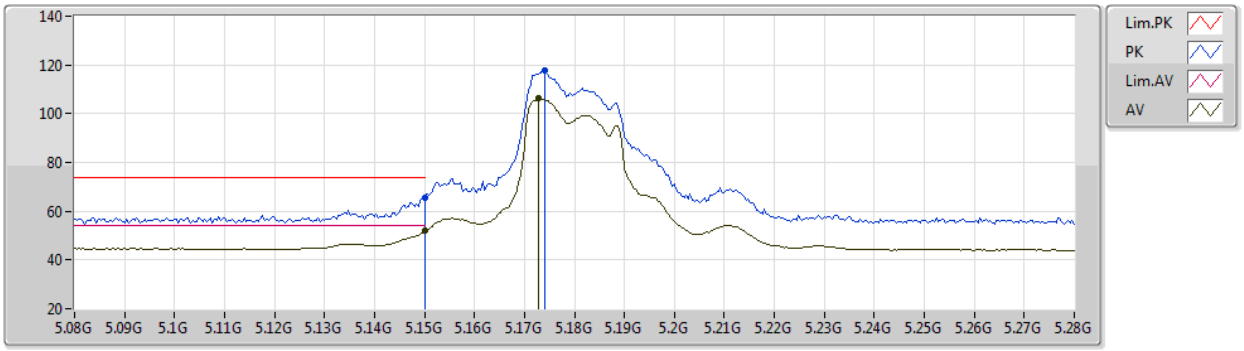
EUT Y_4TX
Setting 19
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.6584G	60.19	74.00	-13.81	46.42	3	Horizontal	83	1.95	-	39.41	8.18	33.82
AV	11.65948G	46.22	54.00	-7.78	32.45	3	Horizontal	83	1.95	-	39.41	8.18	33.82

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5180MHz_TX



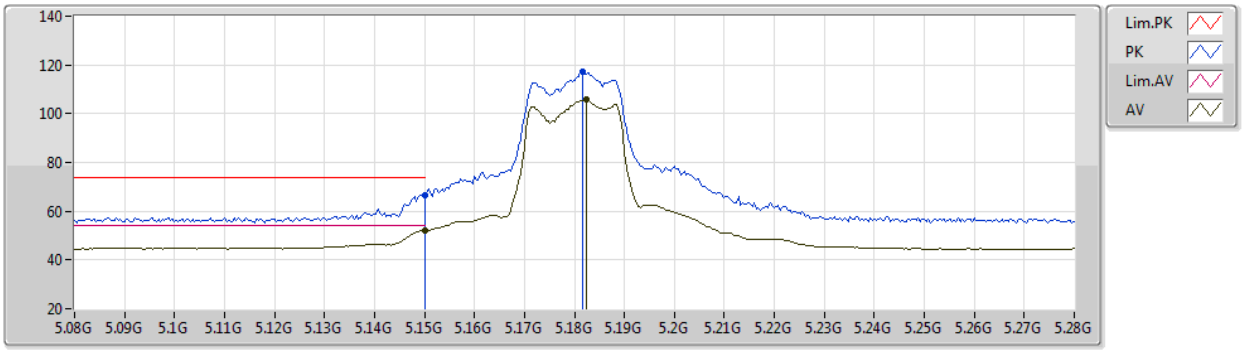
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	65.67	74.00	-8.33	59.95	3	Vertical	324	2.09	-	31.75	5.60	31.63
AV	5.15G	51.89	54.00	-2.11	46.17	3	Vertical	324	2.09	-	31.75	5.60	31.63
PK	5.174G	117.55	Inf	-Inf	111.97	3	Vertical	324	2.09	-	31.63	5.60	31.65
AV	5.1728G	106.13	Inf	-Inf	100.54	3	Vertical	324	2.09	-	31.64	5.60	31.65

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5180MHz_TX



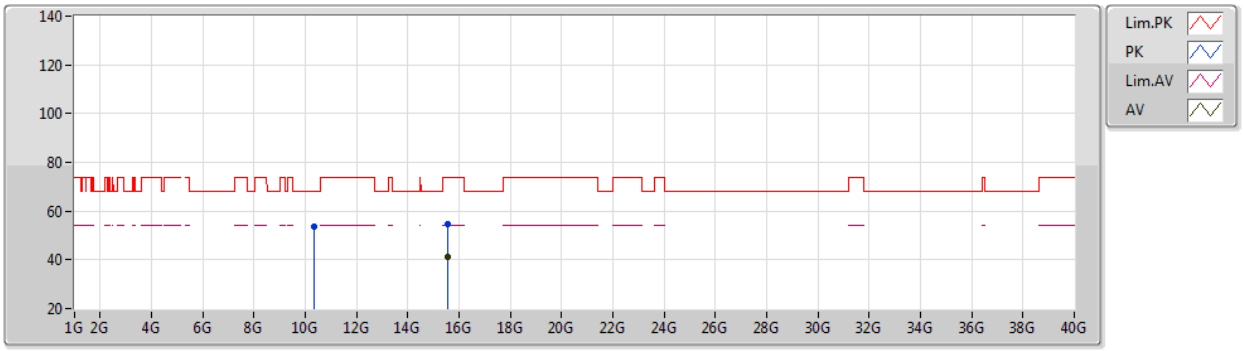
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	66.56	74.00	-7.44	60.84	3	Horizontal	177	1.57	-	31.75	5.60	31.63
AV	5.15G	52.25	54.00	-1.75	46.53	3	Horizontal	177	1.57	-	31.75	5.60	31.63
PK	5.1816G	117.50	Inf	-Inf	111.96	3	Horizontal	177	1.57	-	31.59	5.60	31.65
AV	5.1824G	105.71	Inf	-Inf	100.17	3	Horizontal	177	1.57	-	31.59	5.60	31.65

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5180MHz_TX



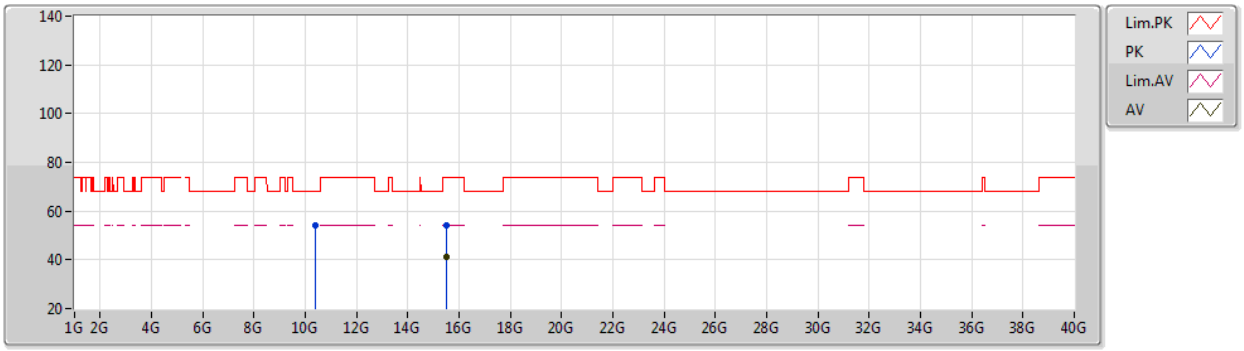
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.34566G	53.69	68.20	-14.51	40.00	3	Vertical	60	1.25	-	39.55	7.72	33.58
PK	15.54822G	54.45	74.00	-19.55	40.34	3	Vertical	348	1.14	-	39.08	8.75	33.72
AV	15.5343G	41.07	54.00	-12.93	26.91	3	Vertical	348	1.14	-	39.13	8.75	33.72

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

09/04/2020



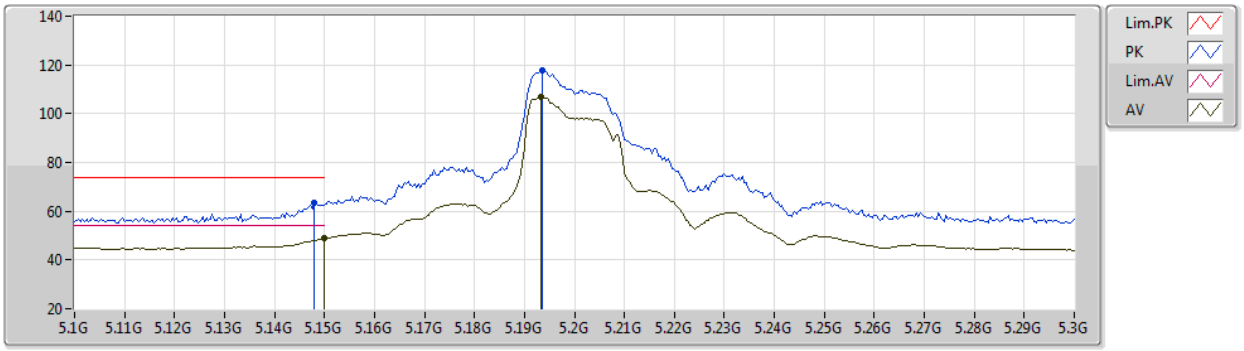
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.37152G	54.26	68.20	-13.94	40.54	3	Horizontal	14	2.79	-	39.58	7.73	33.59
PK	15.5292G	54.13	74.00	-19.87	39.95	3	Horizontal	315	2.28	-	39.15	8.75	33.72
AV	15.5262G	41.07	54.00	-12.93	26.87	3	Horizontal	315	2.28	-	39.16	8.75	33.71

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

09/04/2020



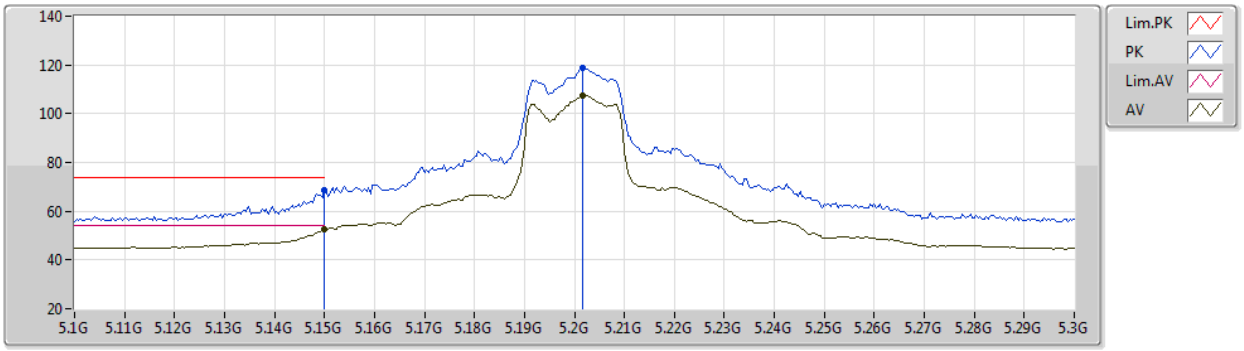
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.148G	63.26	74.00	-10.74	57.53	3	Vertical	325	1.80	-	31.76	5.60	31.63
AV	5.15G	48.75	54.00	-5.25	43.03	3	Vertical	325	1.80	-	31.75	5.60	31.63
PK	5.1936G	117.59	Inf	-Inf	112.12	3	Vertical	325	1.80	-	31.53	5.60	31.66
AV	5.1932G	106.85	Inf	-Inf	101.38	3	Vertical	325	1.80	-	31.53	5.60	31.66

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

09/04/2020



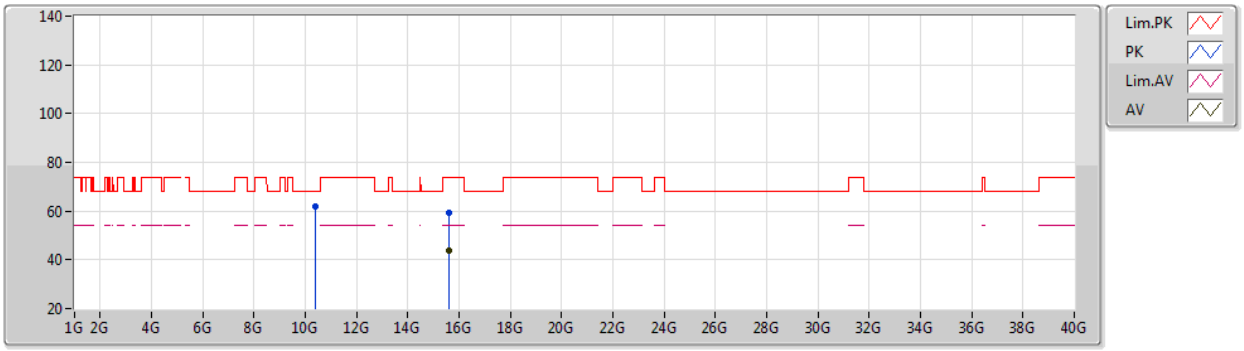
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	68.86	74.00	-5.14	63.14	3	Horizontal	176	1.80	-	31.75	5.60	31.63
AV	5.15G	52.42	54.00	-1.58	46.70	3	Horizontal	176	1.80	-	31.75	5.60	31.63
PK	5.2016G	119.04	Inf	-Inf	113.61	3	Horizontal	176	1.80	-	31.49	5.60	31.66
AV	5.2016G	107.29	Inf	-Inf	101.86	3	Horizontal	176	1.80	-	31.49	5.60	31.66

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

09/04/2020



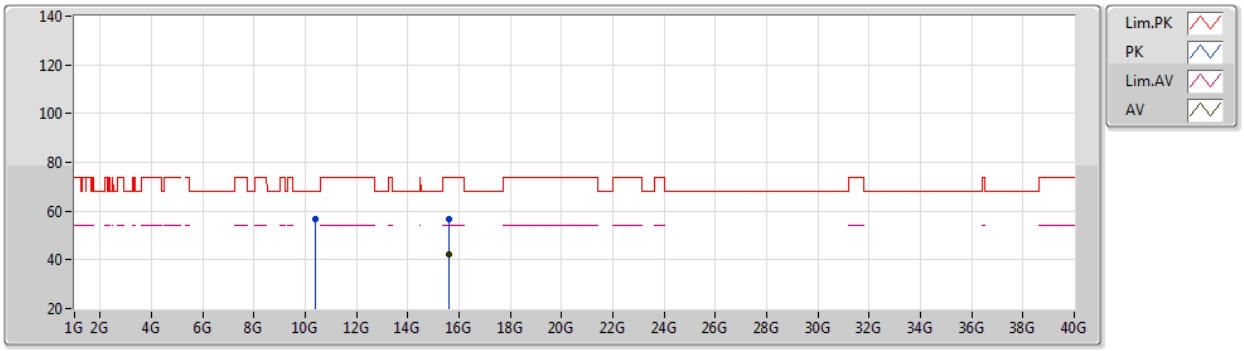
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.40378G	62.03	68.20	-6.17	48.26	3	Vertical	78	1.25	-	39.62	7.74	33.59
PK	15.59508G	59.44	74.00	-14.56	45.51	3	Vertical	129	1.74	-	38.92	8.74	33.73
AV	15.60522G	43.59	54.00	-10.41	29.70	3	Vertical	129	1.74	-	38.88	8.74	33.73

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

09/04/2020



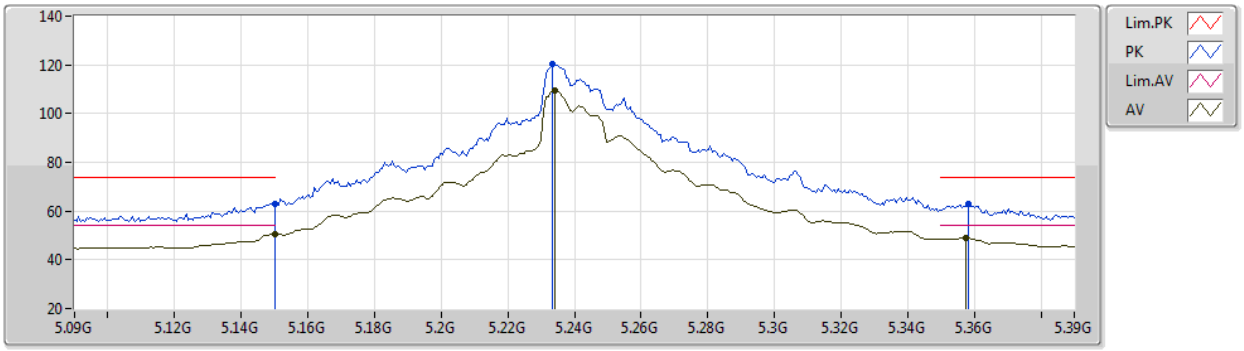
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.39202G	56.83	68.20	-11.37	43.07	3	Horizontal	211	2.56	-	39.61	7.74	33.59
PK	15.5955G	56.85	74.00	-17.15	42.92	3	Horizontal	222	2.36	-	38.92	8.74	33.73
AV	15.5973G	42.34	54.00	-11.66	28.42	3	Horizontal	222	2.36	-	38.91	8.74	33.73

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

09/04/2020



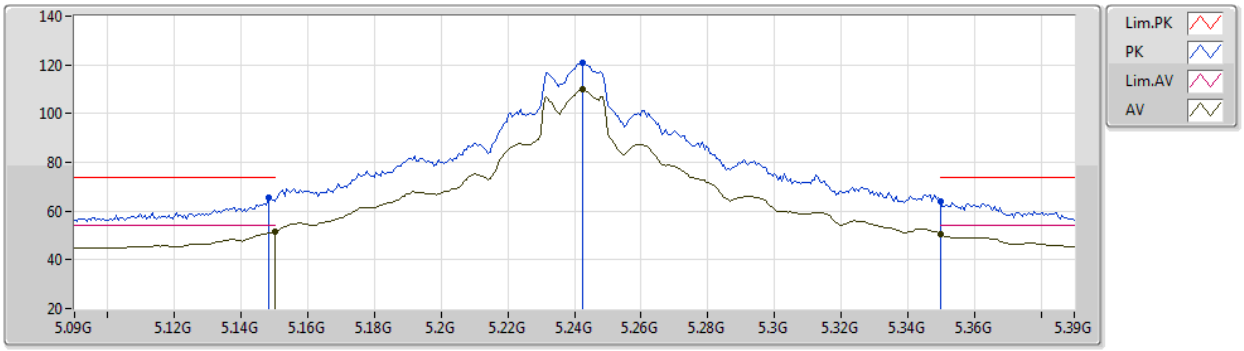
EUT Y_4TX
Setting 22.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	63.10	74.00	-10.90	57.38	3	Vertical	319	1.58	-	31.75	5.60	31.63
AV	5.15G	50.74	54.00	-3.26	45.02	3	Vertical	319	1.58	-	31.75	5.60	31.63
PK	5.2334G	120.09	Inf	-Inf	114.77	3	Vertical	319	1.58	-	31.37	5.63	31.68
AV	5.234G	109.35	Inf	-Inf	104.04	3	Vertical	319	1.58	-	31.36	5.63	31.68
PK	5.3582G	62.87	74.00	-11.13	57.46	3	Vertical	319	1.58	-	31.39	5.76	31.74
AV	5.3576G	48.80	54.00	-5.20	43.39	3	Vertical	319	1.58	-	31.39	5.76	31.74

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

09/04/2020



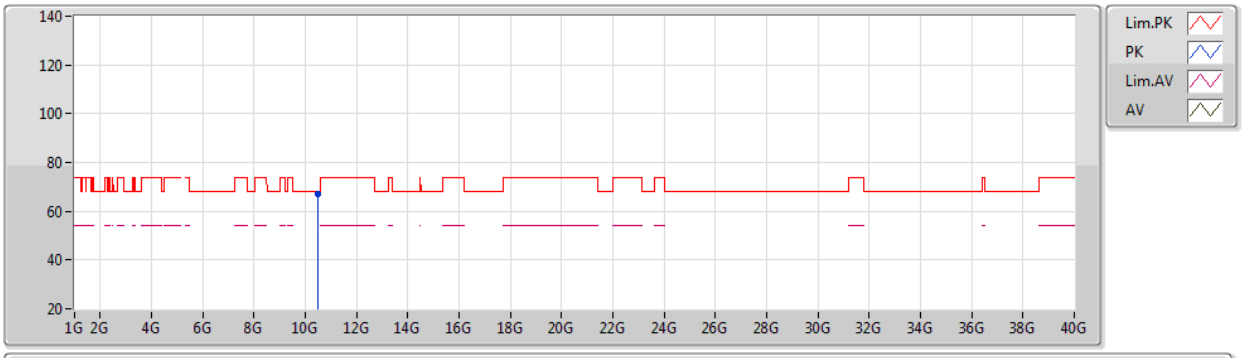
EUT Y_4TX
Setting 22.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1482G	65.38	74.00	-8.62	59.65	3	Horizontal	181	1.80	-	31.76	5.60	31.63
AV	5.15G	51.31	54.00	-2.69	45.59	3	Horizontal	181	1.80	-	31.75	5.60	31.63
PK	5.2424G	120.91	Inf	-Inf	115.62	3	Horizontal	181	1.80	-	31.33	5.64	31.68
AV	5.2424G	110.04	Inf	-Inf	104.75	3	Horizontal	181	1.80	-	31.33	5.64	31.68
PK	5.35G	63.71	74.00	-10.29	58.35	3	Horizontal	181	1.80	-	31.35	5.75	31.74
AV	5.35G	50.26	54.00	-3.74	44.90	3	Horizontal	181	1.80	-	31.35	5.75	31.74

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5240MHz_TX



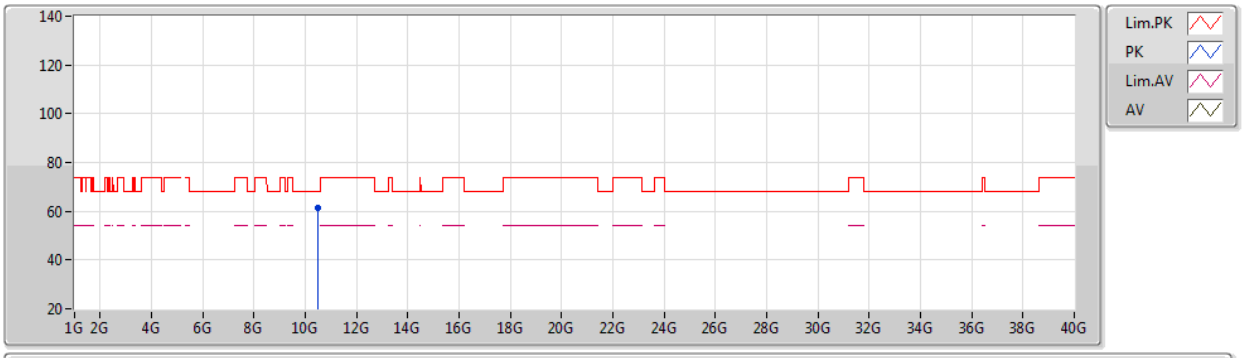
EUT Y_4TX
Setting 22.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.48264G	67.06	68.20	-1.14	53.15	3	Vertical	74	1.16	-	39.73	7.77	33.59

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5240MHz_TX



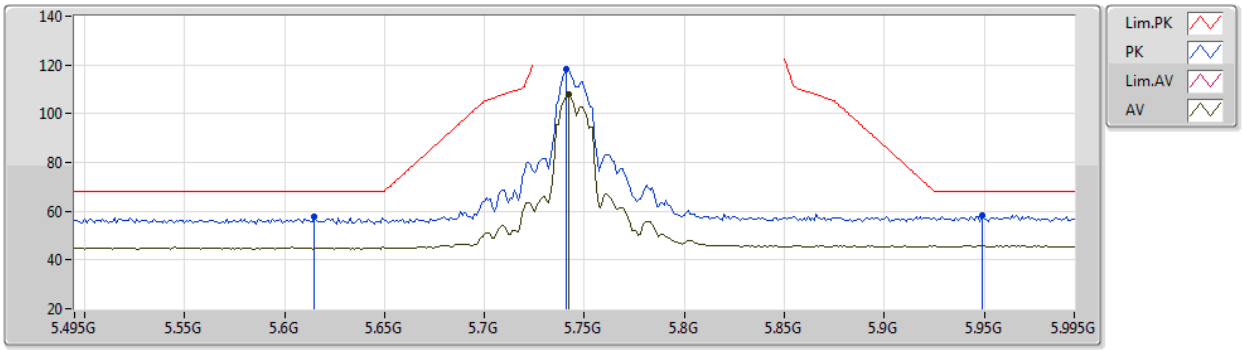
EUT Y_4TX
Setting 22.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4824G	61.57	68.20	-6.63	47.66	3	Horizontal	228	1.50	-	39.73	7.77	33.59

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

09/04/2020



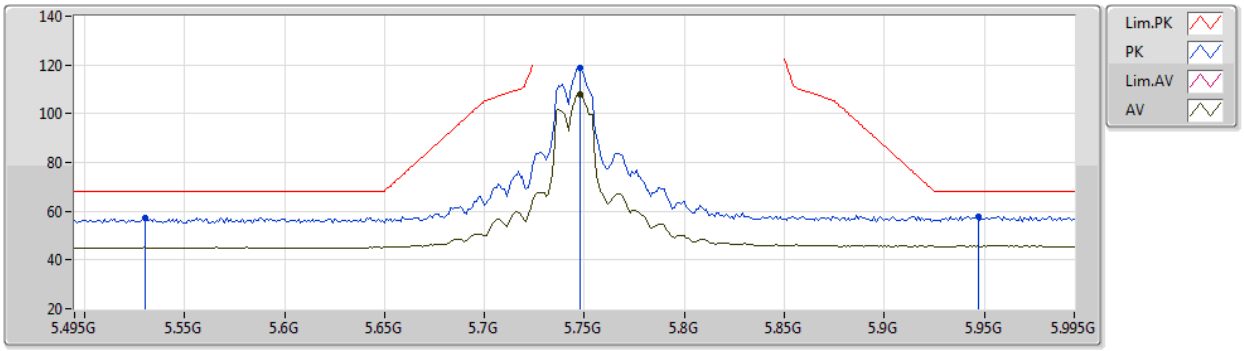
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.615G	57.96	68.20	-10.24	52.39	3	Vertical	309	2.95	-	31.62	5.81	31.86
PK	5.741G	118.19	Inf	-Inf	112.30	3	Vertical	309	2.95	-	31.86	5.94	31.91
AV	5.742G	107.82	Inf	-Inf	101.92	3	Vertical	309	2.95	-	31.87	5.94	31.91
PK	5.949G	58.37	68.20	-9.83	52.04	3	Vertical	309	2.95	-	32.40	5.93	32.00

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

09/04/2020



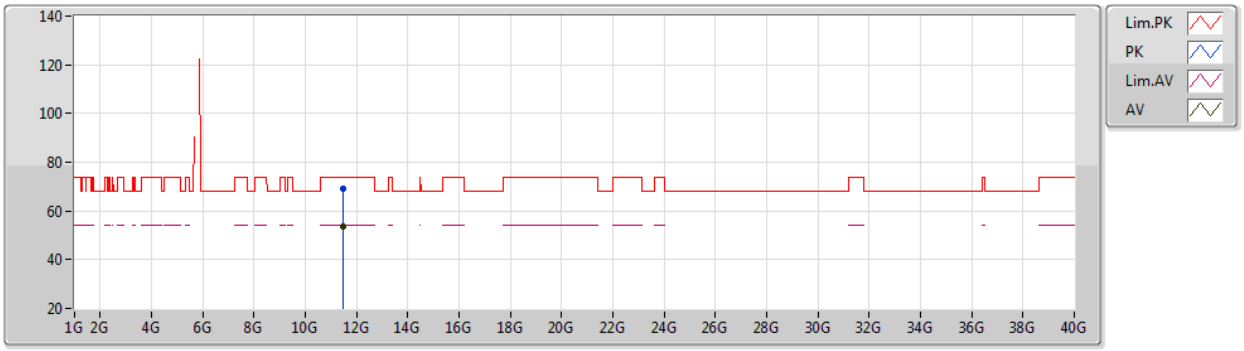
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.53G	57.33	68.20	-10.87	51.61	3	Horizontal	191	2.20	-	31.74	5.80	31.82
PK	5.748G	118.69	Inf	-Inf	112.77	3	Horizontal	191	2.20	-	31.89	5.94	31.91
AV	5.748G	108.07	Inf	-Inf	102.15	3	Horizontal	191	2.20	-	31.89	5.94	31.91
PK	5.947G	57.89	68.20	-10.31	51.56	3	Horizontal	191	2.20	-	32.40	5.93	32.00

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

09/04/2020



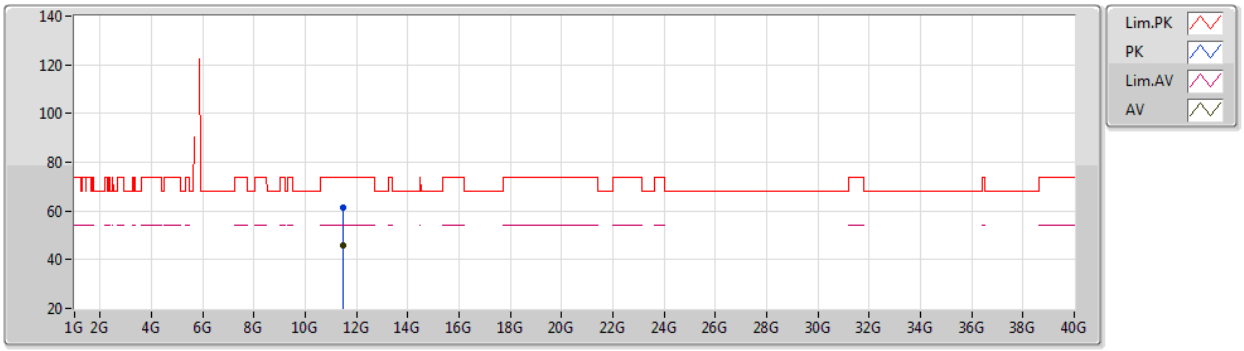
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.49882G	69.15	74.00	-4.85	55.15	3	Vertical	88	1.46	-	39.65	8.12	33.77
AV	11.49834G	53.77	54.00	-0.23	39.77	3	Vertical	88	1.46	-	39.65	8.12	33.77

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

09/04/2020



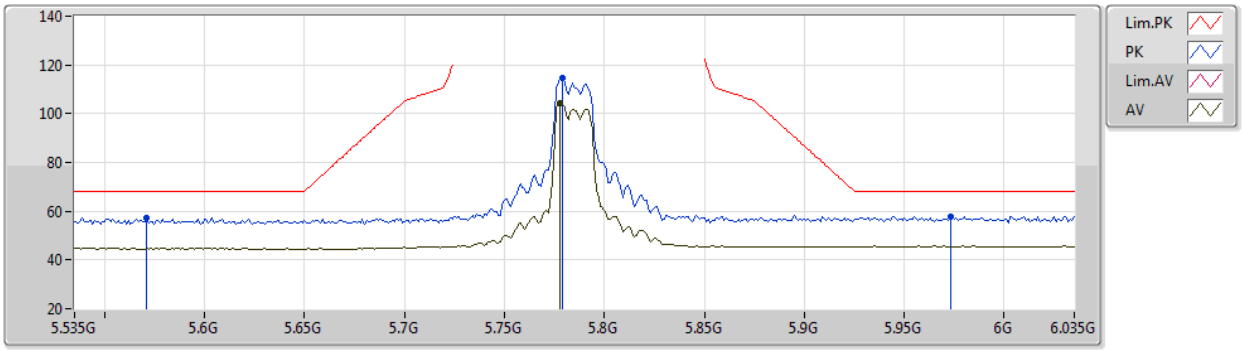
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.4987G	61.62	74.00	-12.38	47.62	3	Horizontal	79	1.46	-	39.65	8.12	33.77
AV	11.4984G	46.06	54.00	-7.94	32.06	3	Horizontal	79	1.46	-	39.65	8.12	33.77

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5785MHz_TX



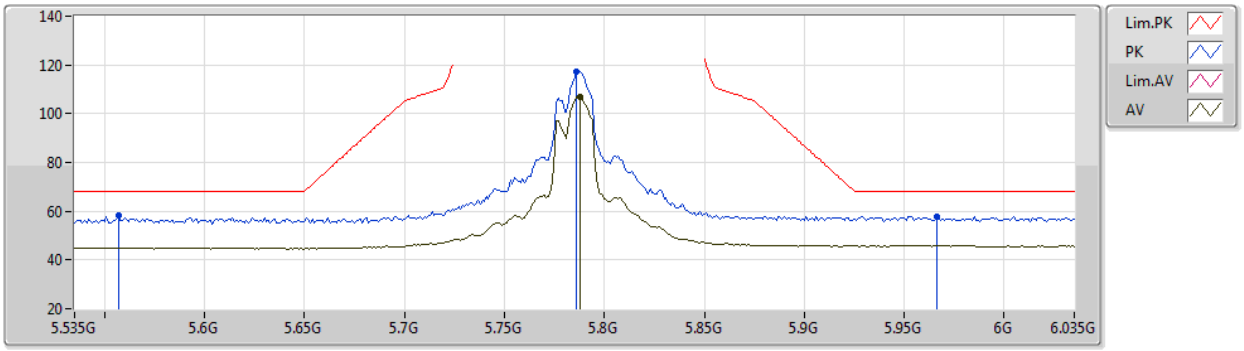
EUT Y_4TX
Setting 20
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.571G	57.29	68.20	-10.91	51.67	3	Vertical	211	2.05	-	31.66	5.80	31.84
PK	5.779G	114.53	Inf	-Inf	108.46	3	Vertical	211	2.05	-	32.02	5.98	31.93
AV	5.778G	104.38	Inf	-Inf	98.32	3	Vertical	211	2.05	-	32.01	5.98	31.93
PK	5.973G	57.89	68.20	-10.31	51.59	3	Vertical	211	2.05	-	32.40	5.91	32.01

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

09/04/2020



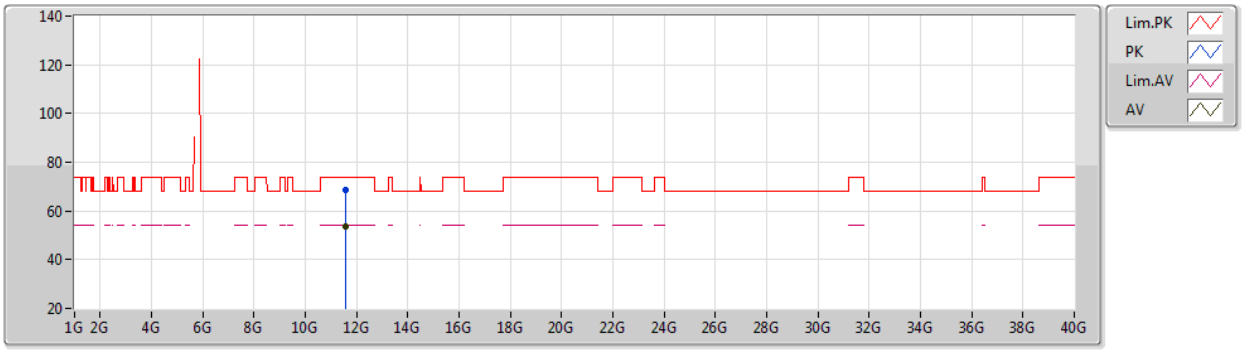
EUT Y_4TX
Setting 20
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.557G	58.10	68.20	-10.10	52.44	3	Horizontal	198	2.14	-	31.69	5.80	31.83
PK	5.786G	117.47	Inf	-Inf	111.38	3	Horizontal	198	2.14	-	32.04	5.98	31.93
AV	5.788G	107.12	Inf	-Inf	101.01	3	Horizontal	198	2.14	-	32.05	5.99	31.93
PK	5.966G	57.89	68.20	-10.31	51.58	3	Horizontal	198	2.14	-	32.40	5.92	32.01

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

09/04/2020



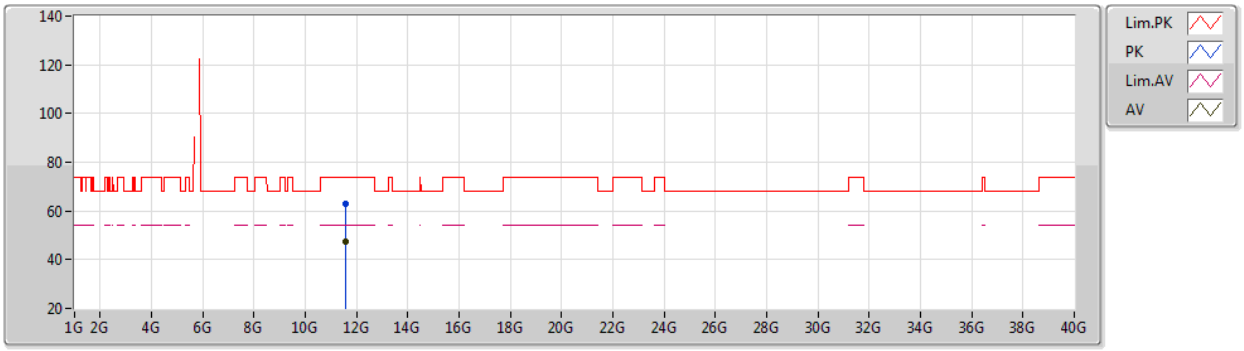
EUT Y_4TX
Setting 20
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.5787G	68.42	74.00	-5.58	54.54	3	Vertical	104	1.78	-	39.53	8.15	33.80
AV	11.5784G	53.84	54.00	-0.16	39.96	3	Vertical	104	1.78	-	39.53	8.15	33.80

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

09/04/2020



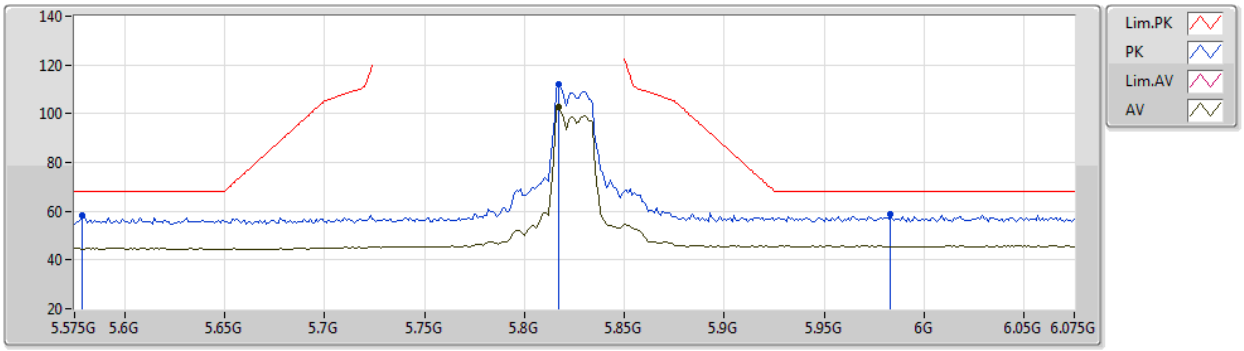
EUT Y_4TX
Setting 20
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.57864G	62.87	74.00	-11.13	48.99	3	Horizontal	82	1.95	-	39.53	8.15	33.80
AV	11.5784G	47.62	54.00	-6.38	33.74	3	Horizontal	82	1.95	-	39.53	8.15	33.80

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5825MHz_TX



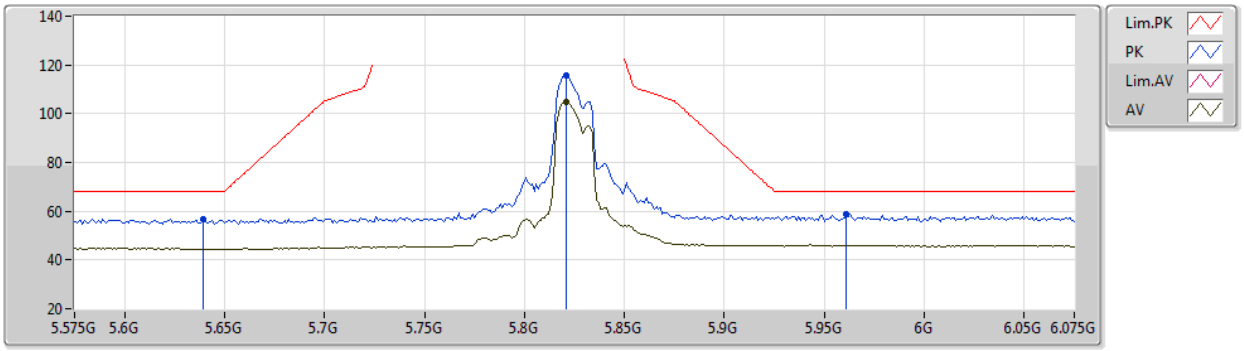
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.579G	58.11	68.20	-10.09	52.51	3	Vertical	217	2.61	-	31.64	5.80	31.84
PK	5.817G	112.18	Inf	-Inf	105.99	3	Vertical	217	2.61	-	32.15	5.99	31.95
AV	5.817G	102.71	Inf	-Inf	96.52	3	Vertical	217	2.61	-	32.15	5.99	31.95
PK	5.983G	58.79	68.20	-9.41	52.49	3	Vertical	217	2.61	-	32.40	5.91	32.01

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5825MHz_TX



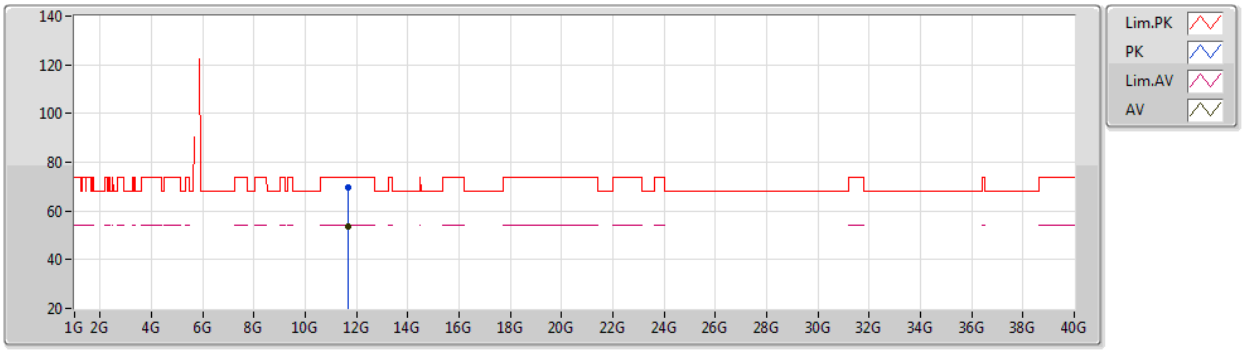
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.639G	56.71	68.20	-11.49	51.10	3	Horizontal	225	2.54	-	31.64	5.84	31.87
PK	5.821G	115.63	Inf	-Inf	109.43	3	Horizontal	225	2.54	-	32.16	5.99	31.95
AV	5.821G	104.95	Inf	-Inf	98.75	3	Horizontal	225	2.54	-	32.16	5.99	31.95
PK	5.961G	58.83	68.20	-9.37	52.51	3	Horizontal	225	2.54	-	32.40	5.92	32.00

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

09/04/2020



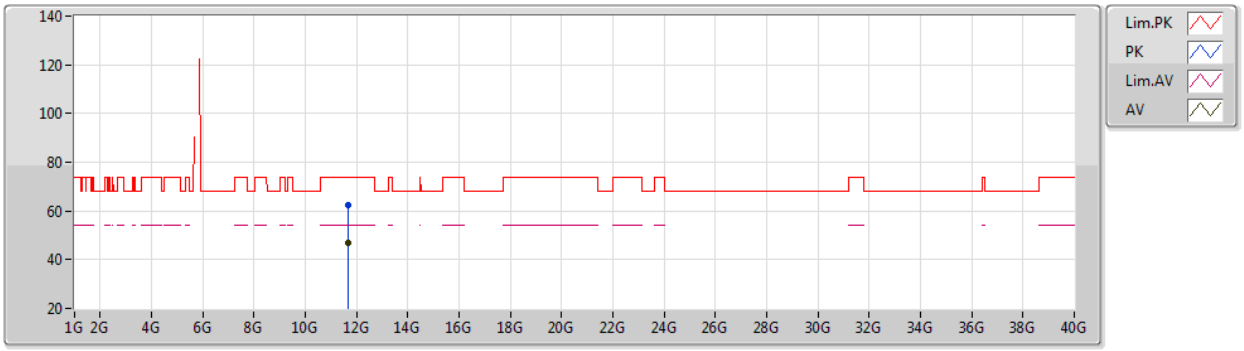
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65942G	69.48	74.00	-4.52	55.71	3	Vertical	107	1.84	-	39.41	8.18	33.82
AV	11.6593G	53.86	54.00	-0.14	40.09	3	Vertical	107	1.84	-	39.41	8.18	33.82

802.11ac VHT20_Nss1,(MCS0)_4TX

09/04/2020

5825MHz_TX



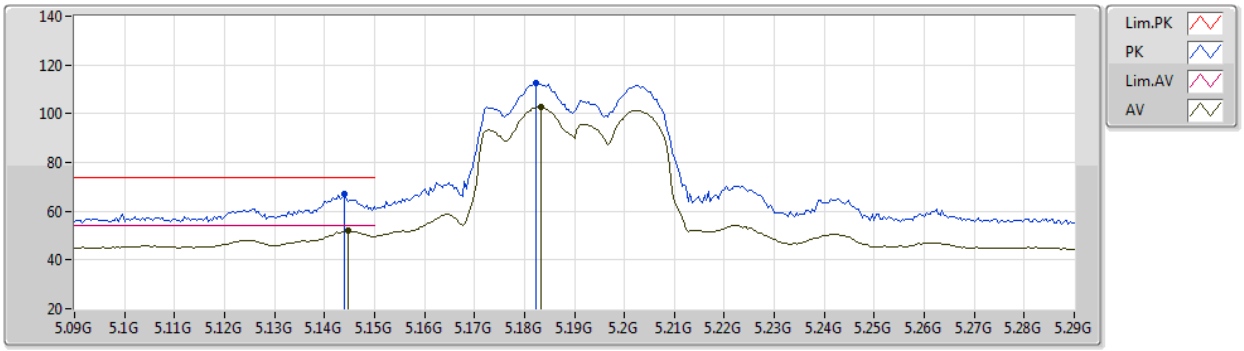
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.65882G	62.23	74.00	-11.77	48.46	3	Horizontal	82	1.95	-	39.41	8.18	33.82
AV	11.65924G	47.08	54.00	-6.92	33.31	3	Horizontal	82	1.95	-	39.41	8.18	33.82

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

09/04/2020



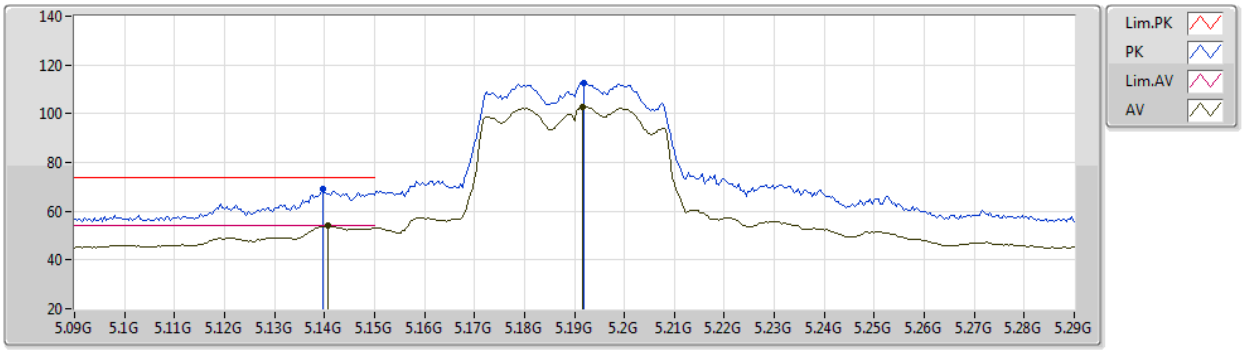
EUT Y_4TX
Setting 18.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.144G	67.08	74.00	-6.92	61.33	3	Vertical	326	2.10	-	31.78	5.60	31.63
AV	5.1448G	51.89	54.00	-2.11	46.14	3	Vertical	326	2.10	-	31.78	5.60	31.63
PK	5.1824G	112.68	Inf	-Inf	107.14	3	Vertical	326	2.10	-	31.59	5.60	31.65
AV	5.1832G	102.71	Inf	-Inf	97.18	3	Vertical	326	2.10	-	31.58	5.60	31.65

802.11ac VHT40_Nss1,(MCS0)_4TX

09/04/2020

5190MHz_TX



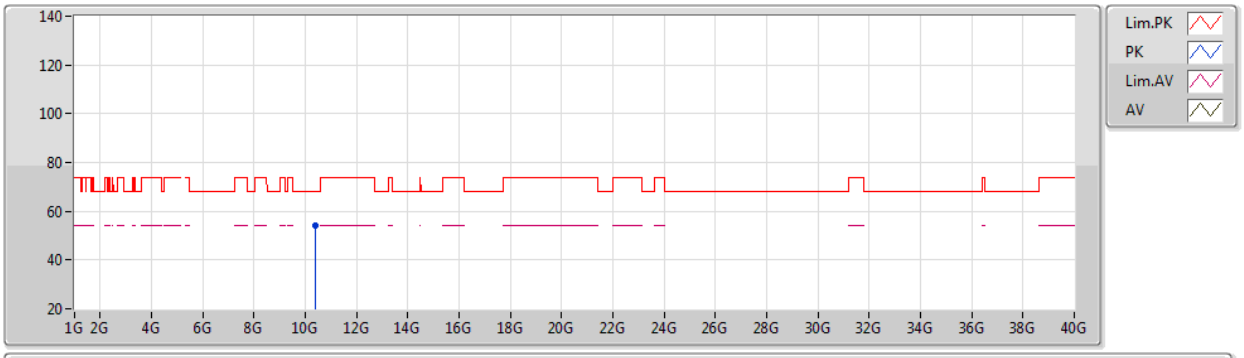
EUT Y_4TX
Setting 18.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1396G	68.98	74.00	-5.02	63.21	3	Horizontal	180	1.80	-	31.80	5.60	31.63
AV	5.1408G	53.99	54.00	-0.01	48.22	3	Horizontal	180	1.80	-	31.80	5.60	31.63
PK	5.192G	112.48	Inf	-Inf	107.00	3	Horizontal	180	1.80	-	31.54	5.60	31.66
AV	5.1916G	102.90	Inf	-Inf	97.42	3	Horizontal	180	1.80	-	31.54	5.60	31.66

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

09/04/2020



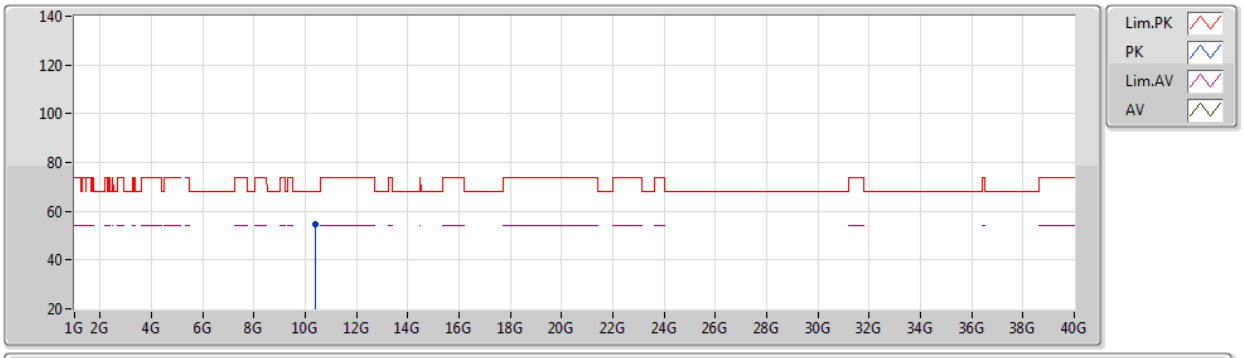
EUT Y_4TX
Setting 18.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.37912G	54.20	68.20	-14.00	40.47	3	Vertical	194	1.29	-	39.59	7.73	33.59

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

09/04/2020



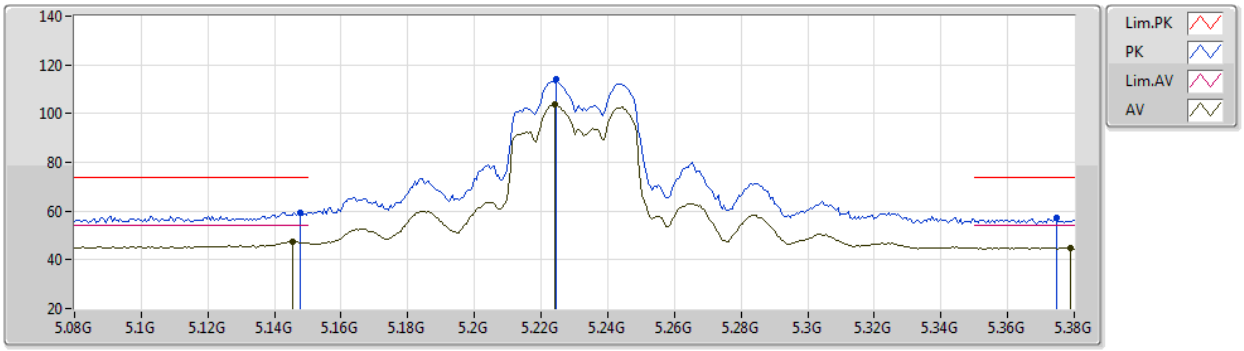
EUT Y_4TX
Setting 18.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.38164G	54.54	68.20	-13.66	40.80	3	Horizontal	17	2.52	-	39.60	7.73	33.59

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

09/04/2020



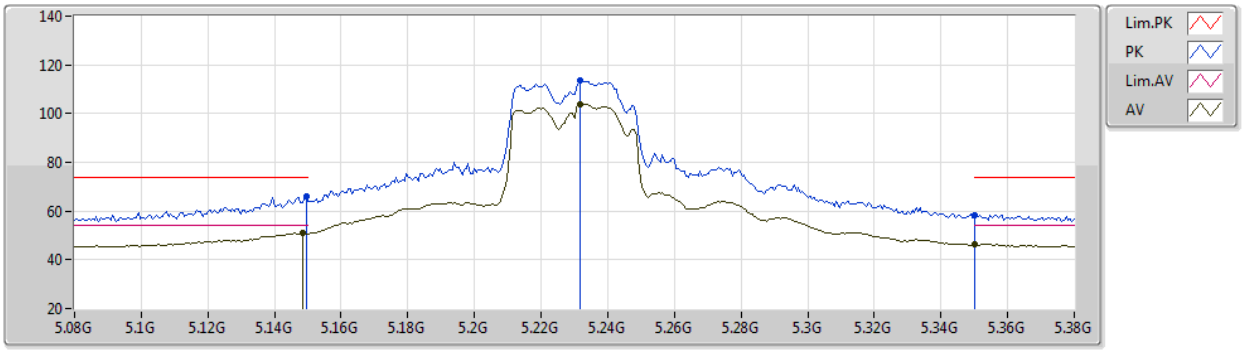
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1478G	59.49	74.00	-14.51	53.76	3	Vertical	321	1.77	-	31.76	5.60	31.63
AV	5.1454G	47.30	54.00	-6.70	41.56	3	Vertical	321	1.77	-	31.77	5.60	31.63
PK	5.2246G	113.88	Inf	-Inf	108.53	3	Vertical	321	1.77	-	31.40	5.62	31.67
AV	5.224G	103.82	Inf	-Inf	98.47	3	Vertical	321	1.77	-	31.40	5.62	31.67
PK	5.3746G	57.14	74.00	-16.86	51.65	3	Vertical	321	1.77	-	31.47	5.77	31.75
AV	5.3788G	45.05	54.00	-8.95	39.53	3	Vertical	321	1.77	-	31.49	5.78	31.75

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

09/04/2020



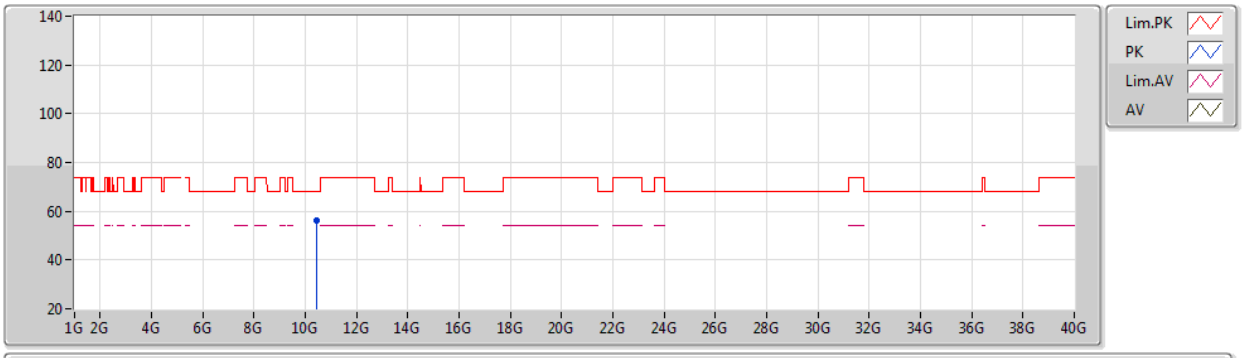
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1496G	66.14	74.00	-7.86	60.42	3	Horizontal	178	1.80	-	31.75	5.60	31.63
AV	5.1484G	50.84	54.00	-3.16	45.11	3	Horizontal	178	1.80	-	31.76	5.60	31.63
PK	5.2318G	113.56	Inf	-Inf	108.24	3	Horizontal	178	1.80	-	31.37	5.63	31.68
AV	5.2318G	103.97	Inf	-Inf	98.65	3	Horizontal	178	1.80	-	31.37	5.63	31.68
PK	5.35G	58.40	74.00	-15.60	53.03	3	Horizontal	178	1.80	-	31.35	5.75	31.73
AV	5.35G	46.37	54.00	-7.63	41.00	3	Horizontal	178	1.80	-	31.35	5.75	31.73

802.11ac VHT40_Nss1,(MCS0)_4TX

09/04/2020

5230MHz_TX



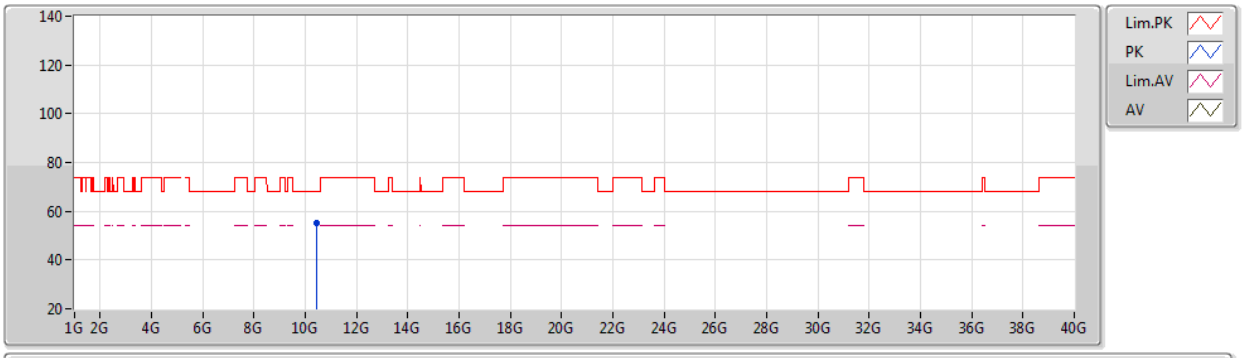
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.45332G	56.40	68.20	-11.80	42.54	3	Vertical	90	1.99	-	39.69	7.76	33.59

802.11ac VHT40_Nss1,(MCS0)_4TX

5230MHz_TX

09/04/2020



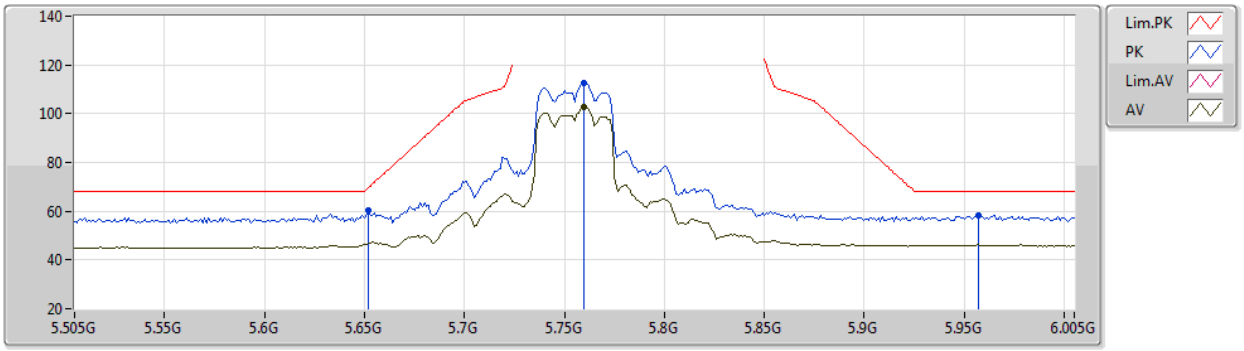
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.46664G	54.97	68.20	-13.23	41.09	3	Horizontal	311	2.36	-	39.71	7.76	33.59

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

09/04/2020



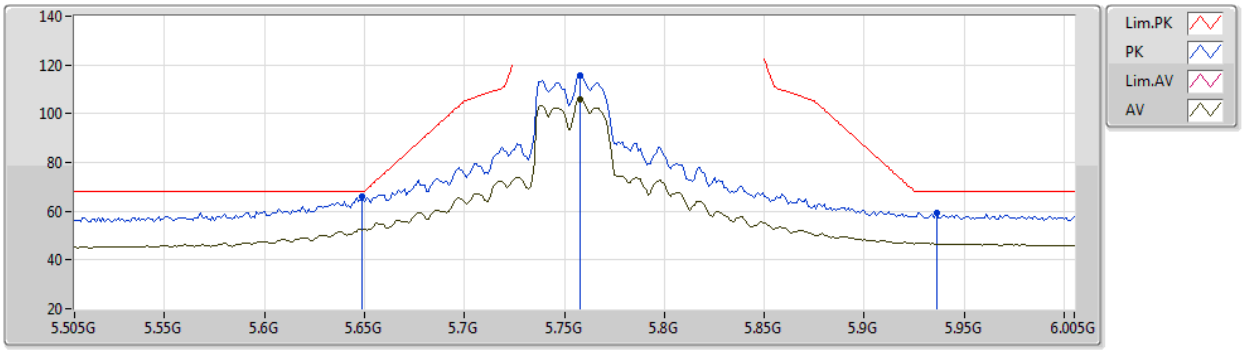
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.652G	60.30	69.68	-9.38	54.67	3	Vertical	221	1.49	-	31.65	5.85	31.87
PK	5.76G	112.51	Inf	-Inf	106.53	3	Vertical	221	1.49	-	31.94	5.96	31.92
AV	5.76G	102.97	Inf	-Inf	96.99	3	Vertical	221	1.49	-	31.94	5.96	31.92
PK	5.957G	58.17	68.20	-10.03	51.85	3	Vertical	221	1.49	-	32.40	5.92	32.00

802.11ac VHT40_Nss1,(MCS0)_4TX

09/04/2020

5755MHz_TX



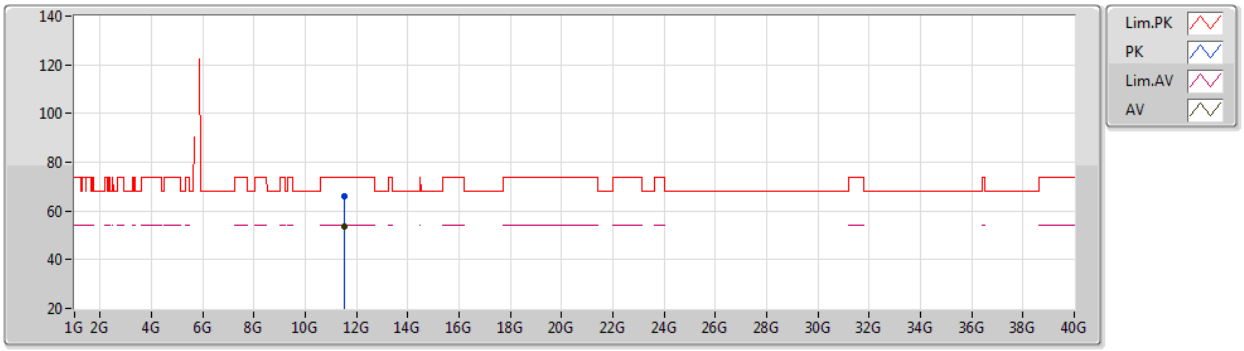
EUT Y_4TX
Setting 20.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.649G	65.80	68.20	-2.40	60.18	3	Horizontal	189	2.08	-	31.65	5.84	31.87
PK	5.758G	115.73	Inf	-Inf	109.77	3	Horizontal	189	2.08	-	31.93	5.95	31.92
AV	5.758G	105.83	Inf	-Inf	99.87	3	Horizontal	189	2.08	-	31.93	5.95	31.92
PK	5.936G	59.24	68.20	-8.96	52.90	3	Horizontal	189	2.08	-	32.40	5.93	31.99

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

09/04/2020



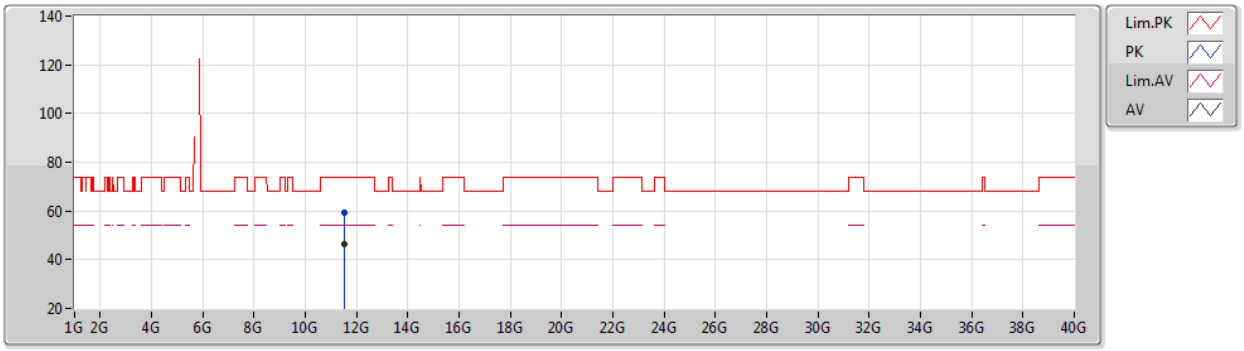
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51804G	66.08	74.00	-7.92	52.11	3	Vertical	101	1.48	-	39.62	8.13	33.78
AV	11.51896G	53.78	54.00	-0.22	39.81	3	Vertical	101	1.48	-	39.62	8.13	33.78

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

09/04/2020



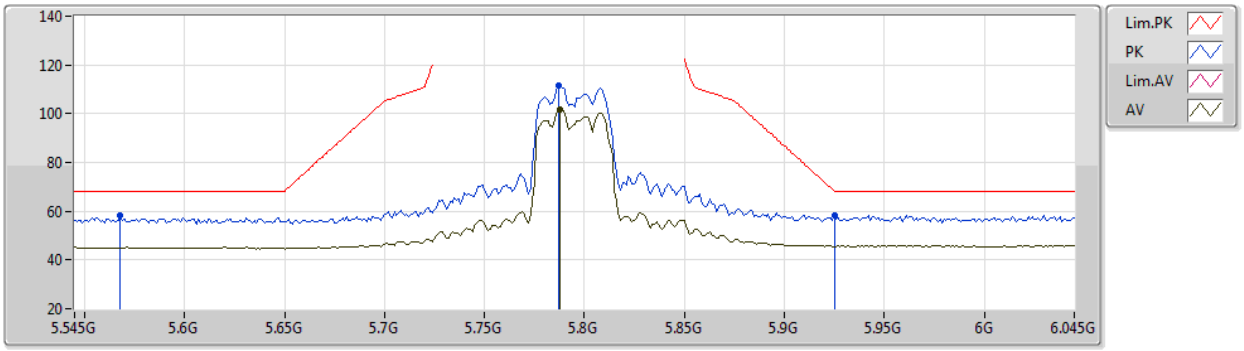
EUT Y_4TX
Setting 20.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.51632G	59.49	74.00	-14.51	45.51	3	Horizontal	82	1.95	-	39.63	8.13	33.78
AV	11.5188G	46.61	54.00	-7.39	32.64	3	Horizontal	82	1.95	-	39.62	8.13	33.78

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

09/04/2020



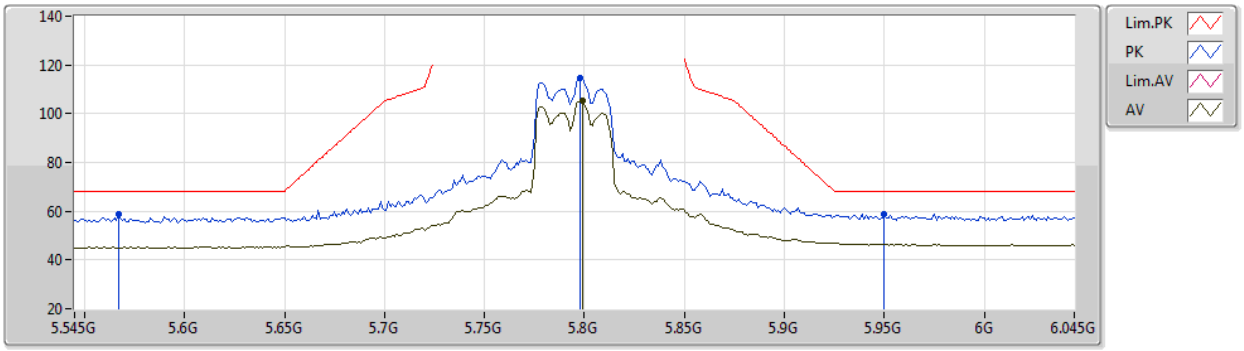
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.568G	58.09	68.20	-10.11	52.47	3	Vertical	205	2.52	-	31.66	5.80	31.84
PK	5.787G	111.59	Inf	-Inf	105.48	3	Vertical	205	2.52	-	32.05	5.99	31.93
AV	5.788G	101.81	Inf	-Inf	95.70	3	Vertical	205	2.52	-	32.05	5.99	31.93
PK	5.925G	58.25	68.20	-9.95	51.90	3	Vertical	205	2.52	-	32.40	5.94	31.99

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

09/04/2020



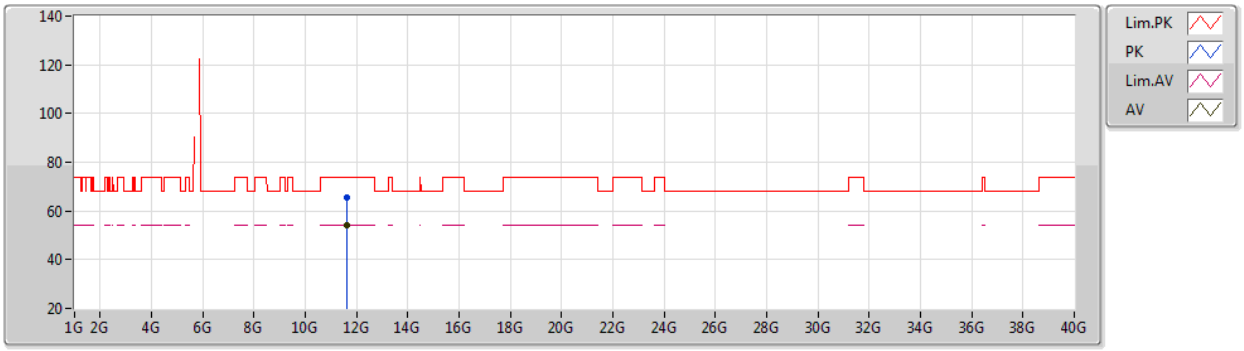
EUT Y_4TX
Setting 19.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.567G	58.86	68.20	-9.34	53.23	3	Horizontal	191	2.16	-	31.67	5.80	31.84
PK	5.798G	114.70	Inf	-Inf	108.55	3	Horizontal	191	2.16	-	32.09	6.00	31.94
AV	5.799G	105.11	Inf	-Inf	98.95	3	Horizontal	191	2.16	-	32.10	6.00	31.94
PK	5.95G	58.63	68.20	-9.57	52.30	3	Horizontal	191	2.16	-	32.40	5.93	32.00

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

09/04/2020



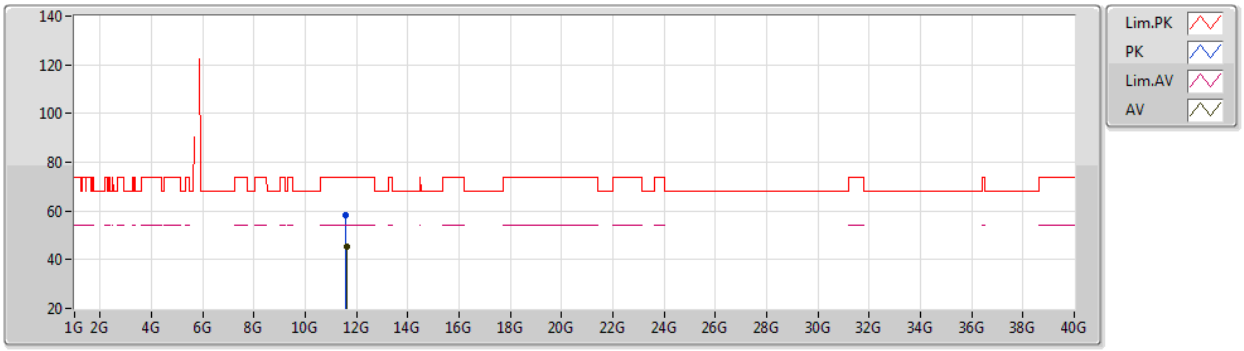
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.59904G	65.33	74.00	-8.67	51.47	3	Vertical	86	1.45	-	39.50	8.16	33.80
AV	11.59904G	53.91	54.00	-0.09	40.05	3	Vertical	86	1.45	-	39.50	8.16	33.80

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

09/04/2020



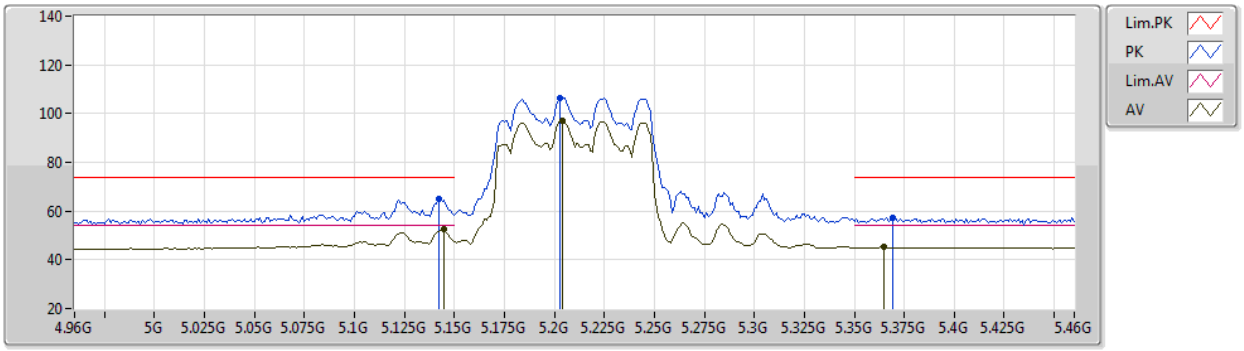
EUT Y_4TX
Setting 19.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.59816G	58.17	74.00	-15.83	44.31	3	Horizontal	82	1.95	-	39.50	8.16	33.80
AV	11.59952G	45.56	54.00	-8.44	31.70	3	Horizontal	82	1.95	-	39.50	8.16	33.80

802.11ac VHT80_Nss1,(MCS0)_4TX

09/04/2020

5210MHz_TX



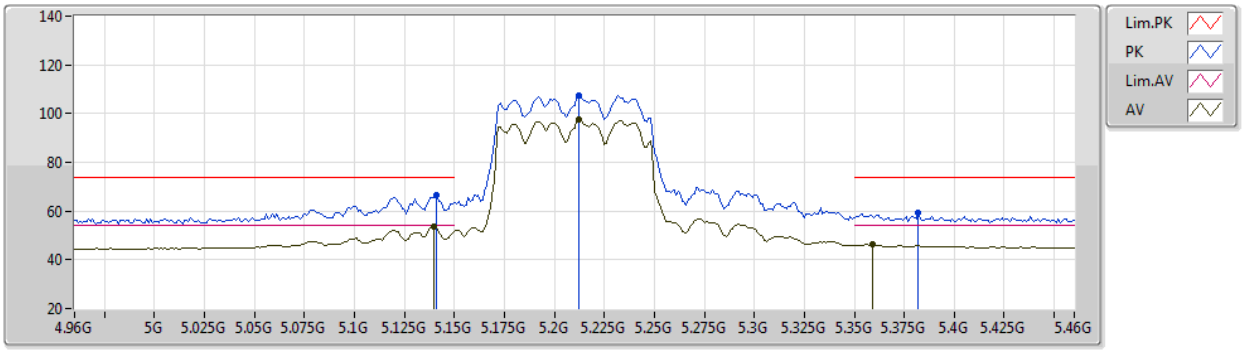
EUT Y_4TX
Setting 16.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.142G	64.75	74.00	-9.25	58.99	3	Vertical	320	1.80	-	31.79	5.60	31.63
AV	5.145G	52.46	54.00	-1.54	46.72	3	Vertical	320	1.80	-	31.77	5.60	31.63
PK	5.203G	106.49	Inf	-Inf	101.06	3	Vertical	320	1.80	-	31.49	5.60	31.66
AV	5.204G	97.11	Inf	-Inf	91.69	3	Vertical	320	1.80	-	31.48	5.60	31.66
PK	5.369G	57.47	74.00	-16.53	51.99	3	Vertical	320	1.80	-	31.45	5.77	31.74
AV	5.365G	45.16	54.00	-8.84	39.71	3	Vertical	320	1.80	-	31.43	5.76	31.74

802.11ac VHT80_Nss1,(MCS0)_4TX

5210MHz_TX

09/04/2020



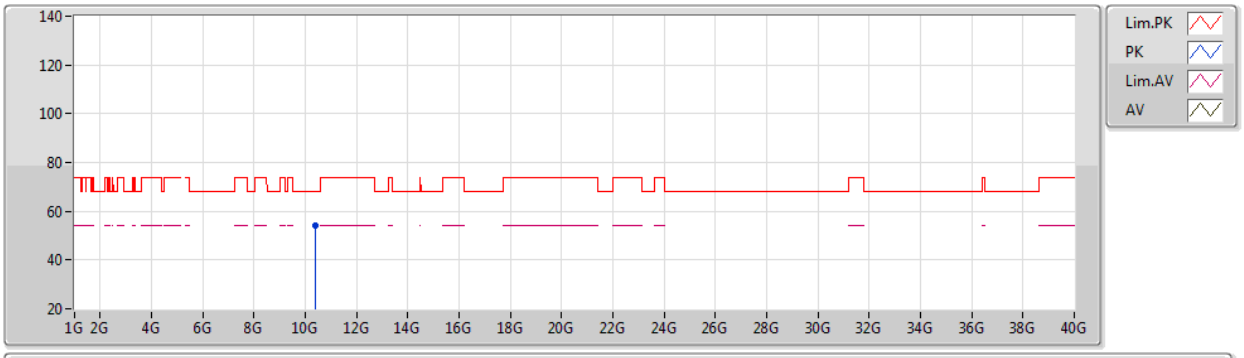
EUT Y_4TX
Setting 16.5
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.141G	66.35	74.00	-7.65	60.58	3	Horizontal	177	1.74	-	31.80	5.60	31.63
AV	5.14G	53.64	54.00	-0.36	47.87	3	Horizontal	177	1.74	-	31.80	5.60	31.63
PK	5.212G	107.52	Inf	-Inf	102.13	3	Horizontal	177	1.74	-	31.45	5.61	31.67
AV	5.212G	97.48	Inf	-Inf	92.09	3	Horizontal	177	1.74	-	31.45	5.61	31.67
PK	5.382G	59.17	74.00	-14.83	53.63	3	Horizontal	177	1.74	-	31.51	5.78	31.75
AV	5.359G	46.38	54.00	-7.62	40.96	3	Horizontal	177	1.74	-	31.40	5.76	31.74

802.11ac VHT80_Nss1,(MCS0)_4TX

09/04/2020

5210MHz_TX



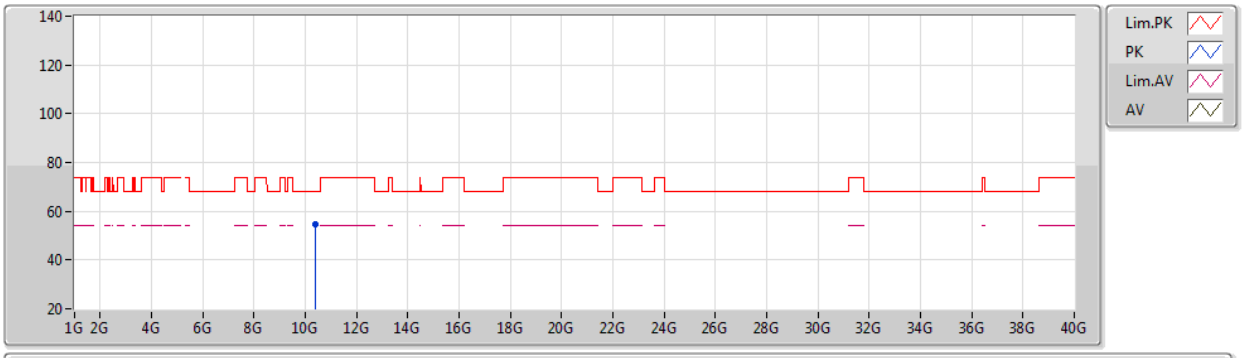
EUT Y_4TX
Setting 16.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.41044G	54.29	68.20	-13.91	40.51	3	Vertical	36	2.53	-	39.63	7.74	33.59

802.11ac VHT80_Nss1,(MCS0)_4TX

09/04/2020

5210MHz_TX



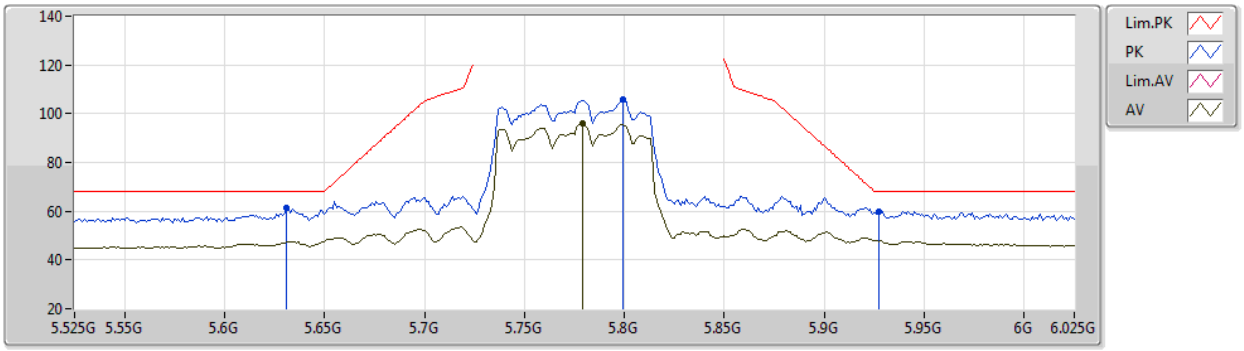
EUT Y_4TX
Setting 16.5
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	10.4138G	54.45	68.20	-13.75	40.66	3	Horizontal	57	1.91	-	39.64	7.74	33.59

802.11ac VHT80_Nss1,(MCS0)_4TX

09/04/2020

5775MHz_TX



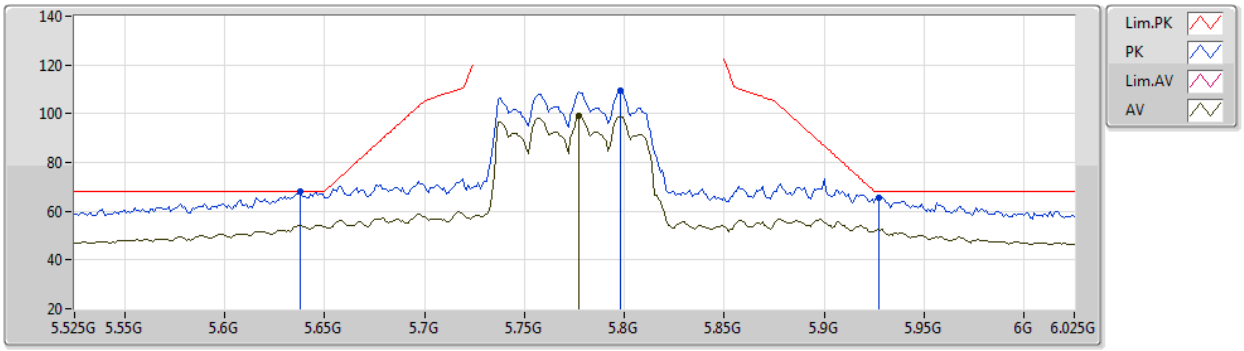
EUT Y_4TX
Setting 17
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.631G	61.48	68.20	-6.72	55.88	3	Vertical	226	1.45	-	31.63	5.83	31.86
PK	5.799G	105.85	Inf	-Inf	99.69	3	Vertical	226	1.45	-	32.10	6.00	31.94
AV	5.779G	96.05	Inf	-Inf	89.98	3	Vertical	226	1.45	-	32.02	5.98	31.93
PK	5.927G	59.87	68.20	-8.33	53.52	3	Vertical	226	1.45	-	32.40	5.94	31.99

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

09/04/2020



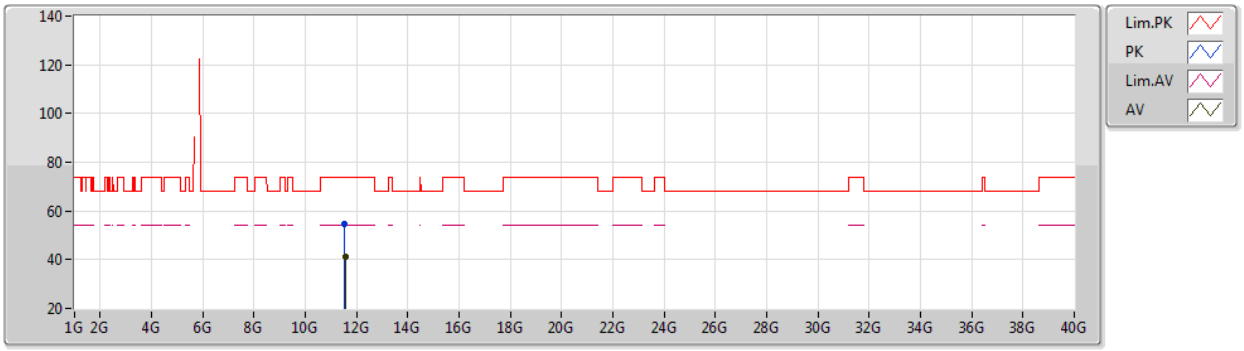
EUT Y_4TX
Setting 17
06-E-S-5-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.638G	67.99	68.20	-0.21	62.39	3	Horizontal	193	2.18	-	31.64	5.83	31.87
PK	5.798G	109.36	Inf	-Inf	103.21	3	Horizontal	193	2.18	-	32.09	6.00	31.94
AV	5.777G	98.99	Inf	-Inf	92.94	3	Horizontal	193	2.18	-	32.01	5.97	31.93
PK	5.927G	65.67	68.20	-2.53	59.32	3	Horizontal	193	2.18	-	32.40	5.94	31.99

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

09/04/2020



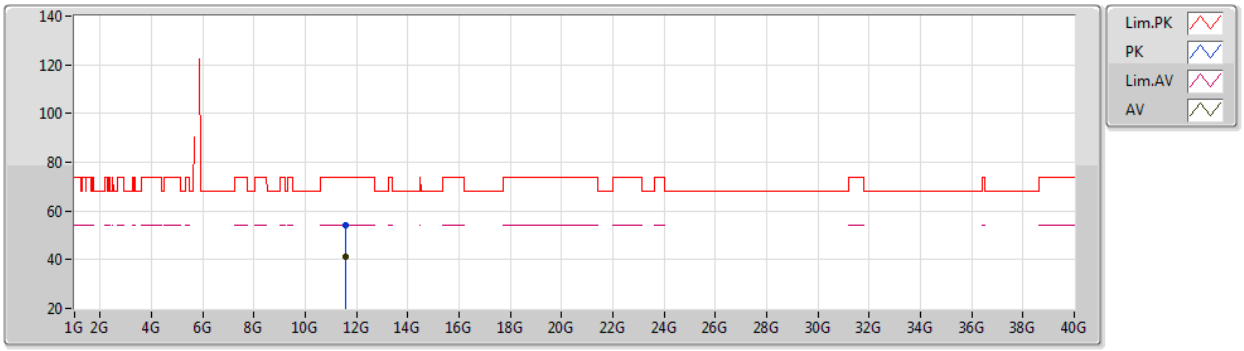
EUT Y_4TX
Setting 17
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.54816G	54.41	74.00	-19.59	40.48	3	Vertical	269	1.96	-	39.58	8.14	33.79
AV	11.55544G	41.35	54.00	-12.65	27.43	3	Vertical	269	1.96	-	39.57	8.14	33.79

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

09/04/2020



EUT Y_4TX
Setting 17
06-E-S-5

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	11.55332G	54.30	74.00	-19.70	40.38	3	Horizontal	347	2.91	-	39.57	8.14	33.79
AV	11.55028G	41.31	54.00	-12.69	27.39	3	Horizontal	347	2.91	-	39.57	8.14	33.79