FCC RADIO TEST REPORT

FCC ID	:	PPQ-O105ER
Equipment	:	802.11 a/n/ac + b/g/n Access Point
Brand Name	:	ARISTA
Model Name	:	O-105ER
Applicant	:	LITE-ON TECHNOLOGY CORP. Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585 Taiwan
Manufacturer(1)	:	LITE-ON Technology Corp. Networking Plant No. 101, Neihuan N. Rd., Nanzi Processing Export, Nanzi Dist., Kaohsiung City 811, Taiwan (R.O.C.)
Manufacturer(2)		Lite-On Network Communication (Dongguan) Limited 30# QingXi Keji Road, QingXi Town, DongGuan City, Guangdong Province, China
Standard	:	47 CFR FCC Part 15.407

The product was received on Feb. 17, 2020, and testing was started from Feb. 17, 2020 and completed on Mar. 09, 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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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR790613-07AB	01	Initial issue of report	Mar. 23, 2020
FR790613-07AB	02	Removing table for multiple listing	Mar. 24, 2020

Summary of Test Result

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Cliff Chang

Report Producer: Vicky 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	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	Walsin	RFDPA172500ABLB801	Dipole Antenna	N-type	3.07	4.05
2	2	Walsin	RFDPA172500ABLB801	Dipole Antenna	N-type	3.07	4.05

Note: The above information was declared by manufacturer.

For 2.4GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.971	0.13	2.065m	1k
802.11ac VHT20	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.971	0.13	2.44m	1k
802.11ac VHT80	0.933	0.3	1.15m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	QRCT V3.0.210.0			

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	TH02-CB	Owen Hsu	20.6~21.3°C / 60~62%	Feb. 19, 2020~ Mar. 09, 2020
Radiated (Below 1GHz)	03CH05-CB	Stim Sung	20.3~21°C / 60~61%	Feb. 21, 2020
Radiated (Above 1GHz- Radiated Emission Co-location)	03CH05-CB	Stim Sung	20.3~21°C / 60~61%	Feb. 21, 2020
Radiated (Above 1GHz- Unwanted Emissions)	03CH04-CB	Stim Sung	18.7~19.3°C / 56~59%	Feb. 17, 2020~ Feb. 18, 2020
AC Conduction	CO02-CB	Peter Wu	24~25°C / 54~55%	Feb. 24, 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)_2TX	-
5180MHz	18.5
5200MHz	24
5240MHz	24.5
5745MHz	25
5785MHz	26.5
5825MHz	26
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	19.5
5200MHz	24.5
5240MHz	24.5
5745MHz	25
5785MHz	26.5
5825MHz	25
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	17
5230MHz	22
5755MHz	26.5
5795MHz	26.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	15.5
5775MHz	21

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 + PoE

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 at X-axis + PoE
2	EUT at Y-axis + PoE
3	EUT at Z-axis + PoE
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT at Y-axis + PoE

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
The EUT was performed at X axis, Y axis and Z axis position for Radiated emission below 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT at Y-axis-WLAN 2.4GHz+WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA790613-07 for Co-location RF Exposure Evaluation.	

Note: The PoE below are for measurement only, would not be marketed.
PoE information as below:

Power	Brand	Model
PoE	PHIHONG	POE20U-560(G)
PoE	CARRIER	UBI-POE-48-5G

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

N/A

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN1	DELL	E6430	N/A
B	PoE	PHIHONG	POE20U-560(G)	N/A
C	5G NB	DELL	E6430	N/A
D	2.4G NB	DELL	E6430	N/A
E	LAN2	DELL	E6430	N/A

For Radiated (below 1GHz) and Radiated (co-location above 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	PHIHONG	POE20U-560(G)	N/A
B	NB	DELL	E4300	N/A
C	NB	DELL	E4300	N/A
D	NB	DELL	E4300	N/A
E	NB	DELL	E4300	N/A

For Radiated (above 1GHz others):

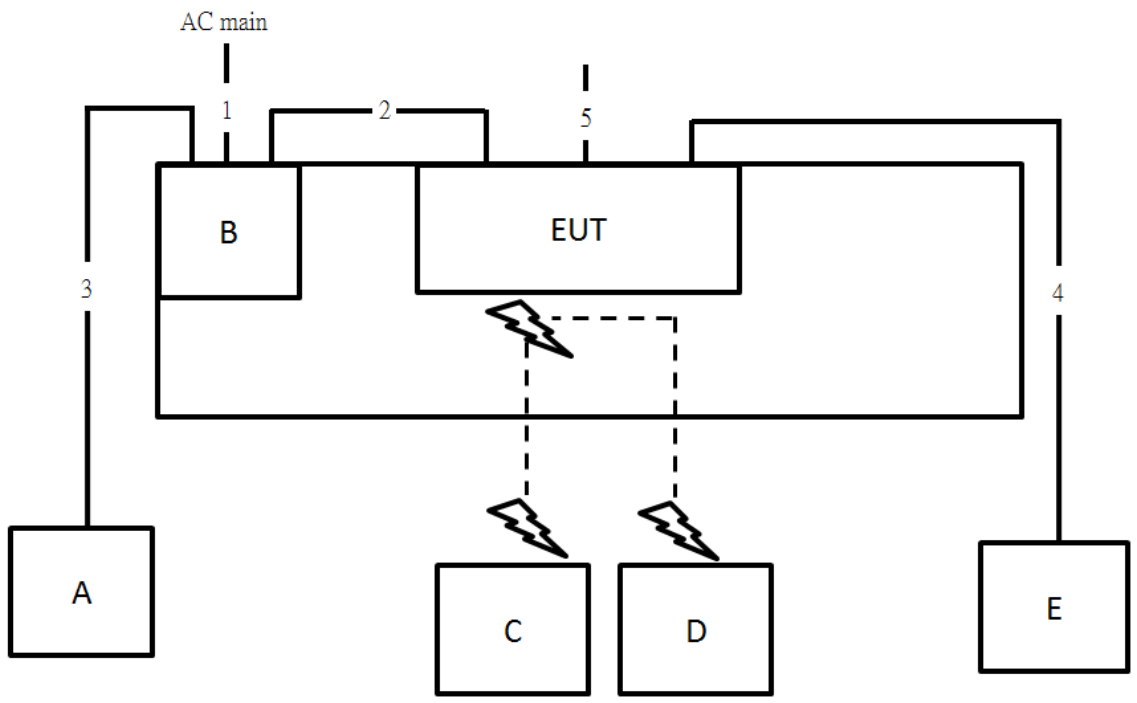
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE	CARRIER	UBI-POE-48-5G	N/A
B	NB	DELL	E4300	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE	CARRIER	UBI-POE-48-5G	N/A

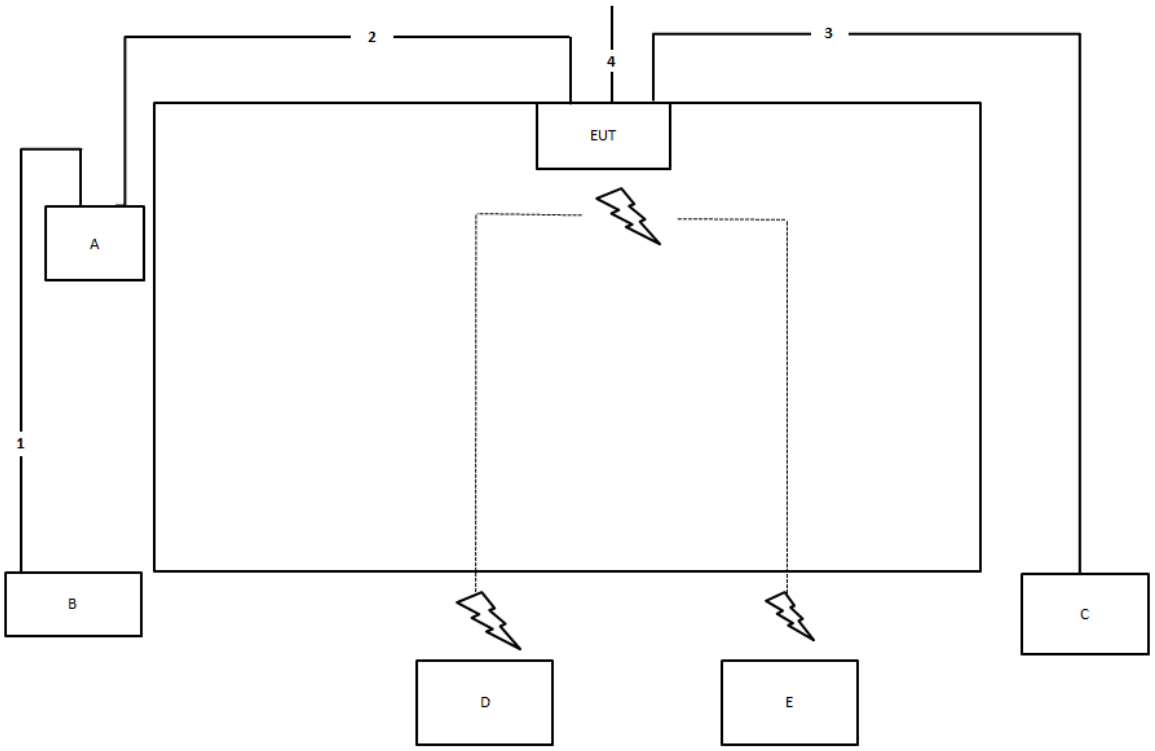
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



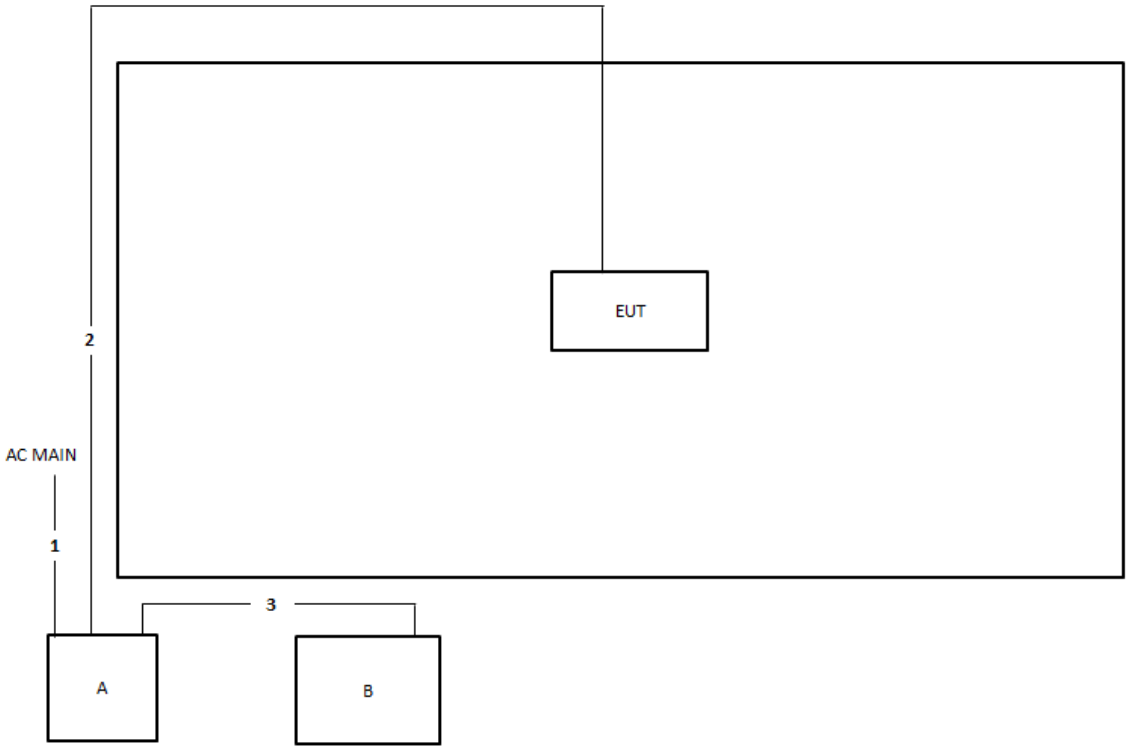
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m
5	Ground cable	No	1.8m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	Ground cable	No	1m

Test Setup Diagram - Radiated Test > 1GHz



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

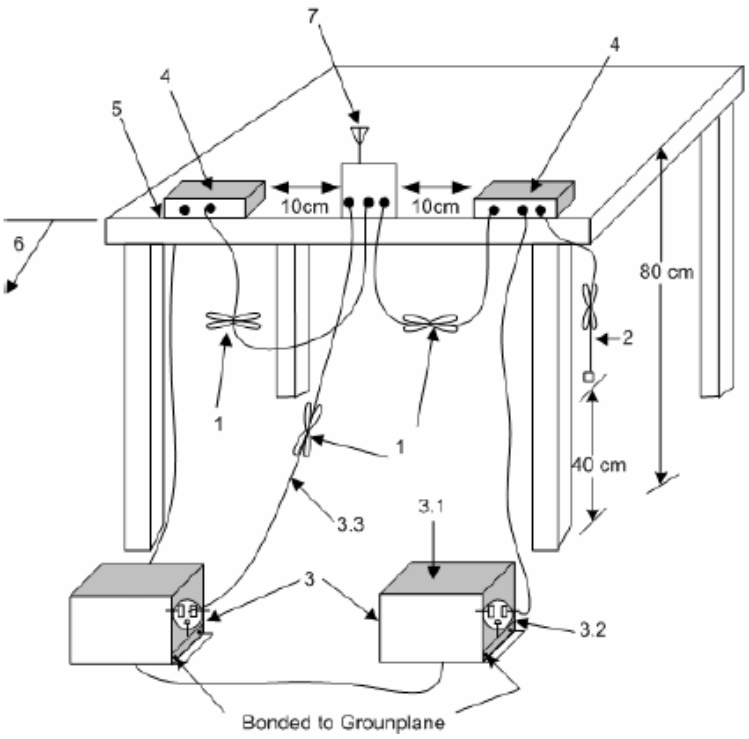
Refer a test equipment and calibration data table in this test report.

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

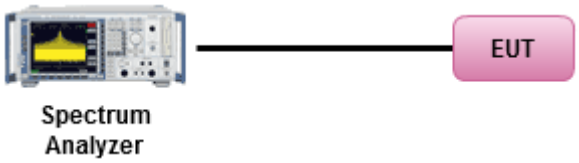
Refer a test equipment and calibration data table in this test report.

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

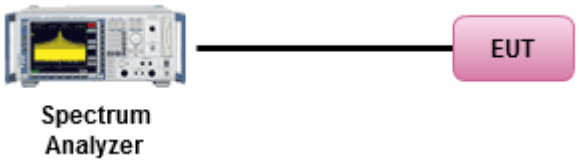
Refer a test equipment and calibration data table in this test report.

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.

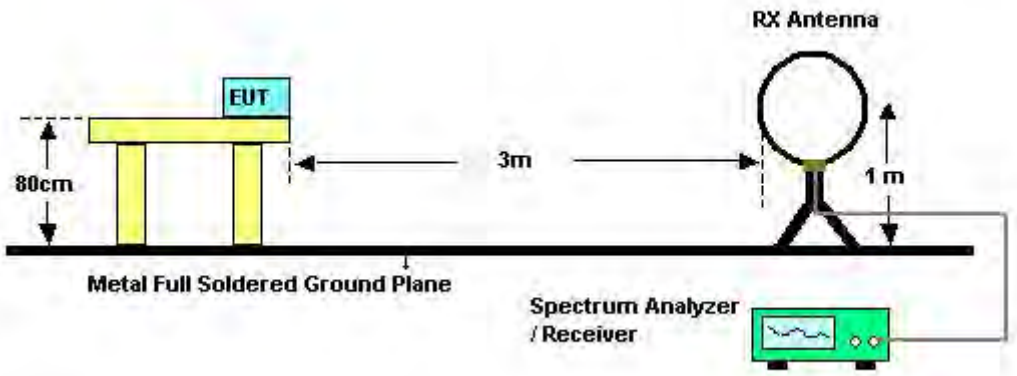
3.5.3 Test Procedures

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.		

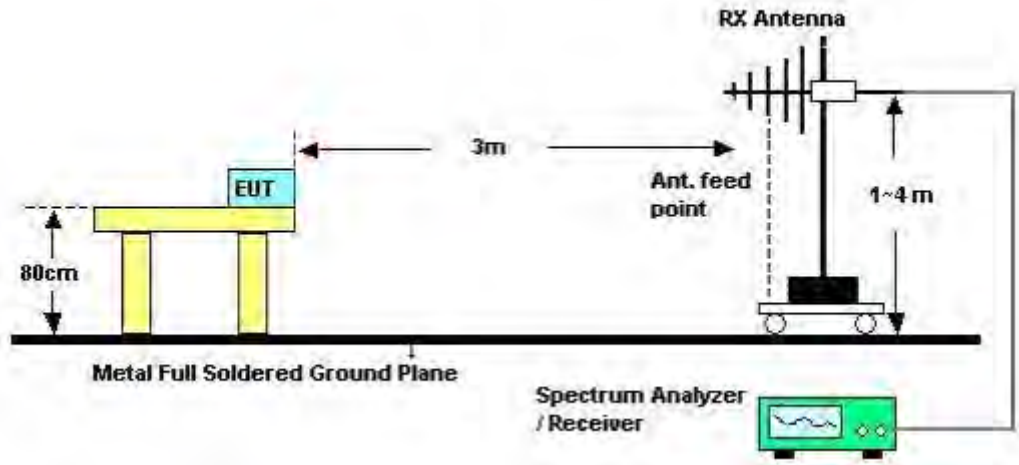
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

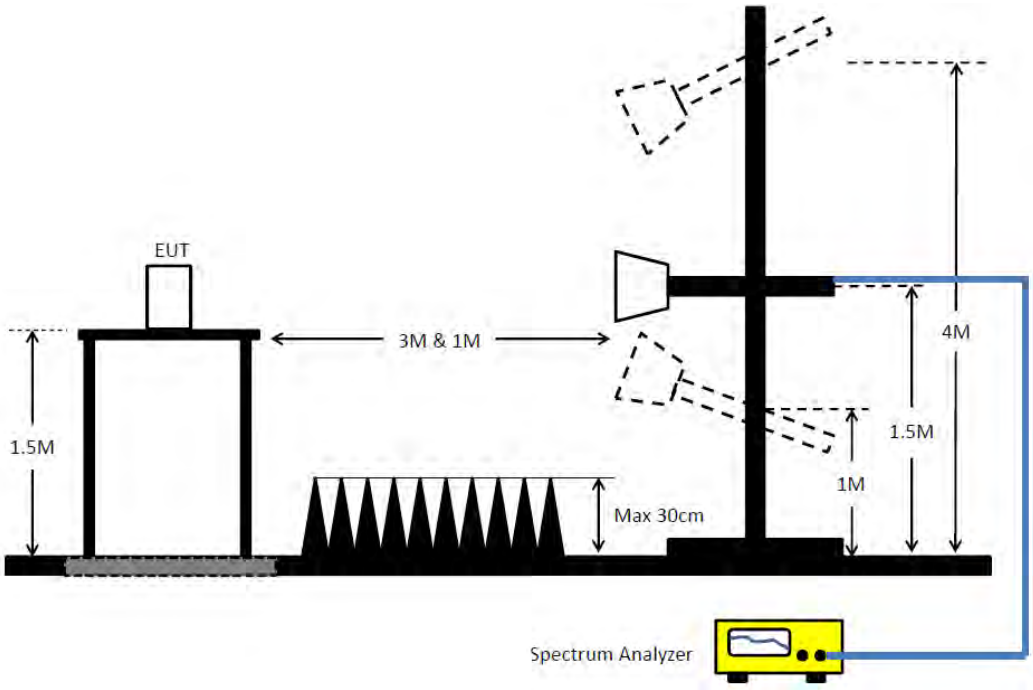
9kHz ~30MHz



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

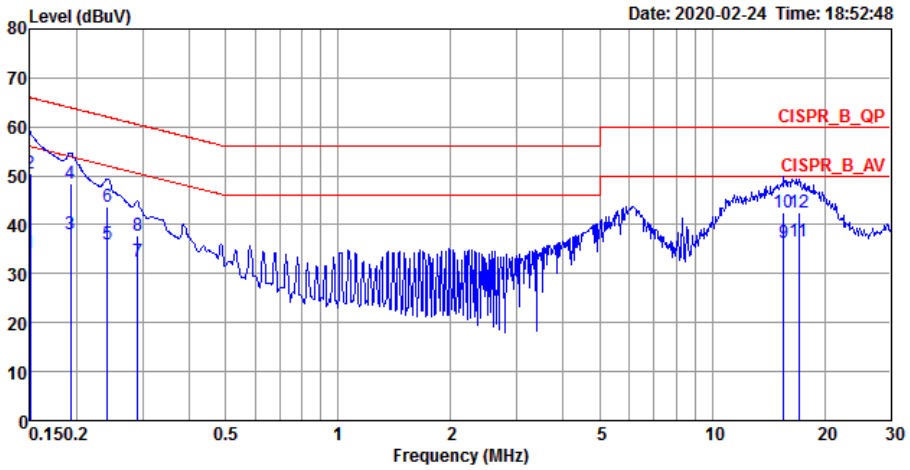
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2019	Nov. 20, 2020	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Oct. 30, 2019	Oct. 29, 2020	Conduction (CO02-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 26, 2019	Jul. 26, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 21, 2019	Oct. 20, 2020	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1291	1GHz~18GHz	Oct. 05, 2019	Oct. 04, 2020	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Apr. 16, 2019	Apr. 15, 2020	Radiation (03CH05-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug. 15, 2019	Aug. 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH05-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 22, 2019	Oct. 21, 2020	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 18, 2019	Dec. 17, 2020	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jul. 02, 2019	Jul. 01, 2020	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~ 40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~ 40GHz	Sep. 11, 2019	Sep. 10, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz– 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz– 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-3	1 GHz– 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz– 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz– 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH02-CB)

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

NCR means Non-Calibration required.

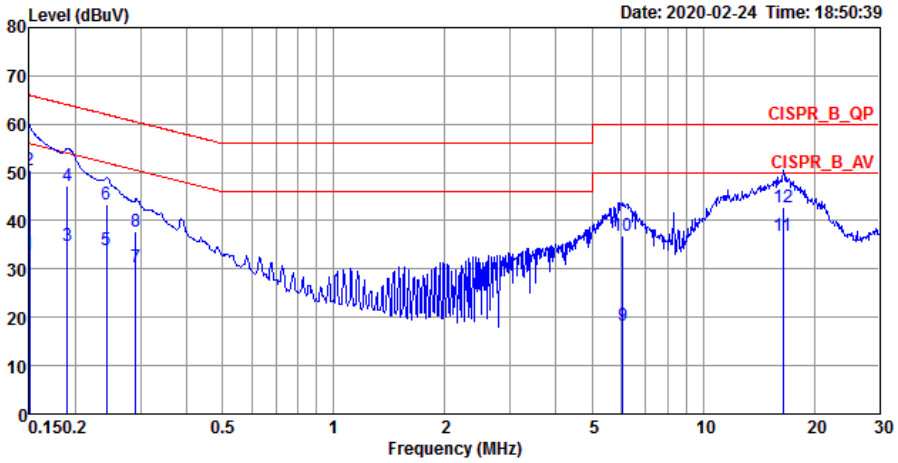
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	34.35	-21.65	56.00	24.14	10.15	0.06	Average	LINE
2	0.1500	50.41	-15.59	66.00	40.20	10.15	0.06	QP	LINE
3	0.1924	37.94	-15.99	53.93	27.72	10.15	0.07	Average	LINE
4	0.1924	48.52	-15.41	63.93	38.30	10.15	0.07	QP	LINE
5	0.2416	35.99	-16.05	52.04	25.77	10.15	0.07	Average	LINE
6	0.2416	43.66	-18.38	62.04	33.44	10.15	0.07	QP	LINE
7	0.2909	32.55	-17.95	50.50	22.32	10.16	0.07	Average	LINE
8	0.2909	37.73	-22.77	60.50	27.50	10.16	0.07	QP	LINE
9	15.5523	36.28	-13.72	50.00	25.71	10.36	0.21	Average	LINE
10	15.5523	42.39	-17.61	60.00	31.82	10.36	0.21	QP	LINE
11	17.0181	36.53	-13.47	50.00	25.95	10.37	0.21	Average	LINE
12	17.0181	42.48	-17.52	60.00	31.90	10.37	0.21	QP	LINE

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	33.12	-22.88	56.00	22.93	10.13	0.06	Average	NEUTRAL
2	0.1500	50.45	-15.55	66.00	40.26	10.13	0.06	QP	NEUTRAL
3	0.1904	34.84	-19.18	54.02	24.64	10.13	0.07	Average	NEUTRAL
4	0.1904	47.17	-16.85	64.02	36.97	10.13	0.07	QP	NEUTRAL
5	0.2429	34.09	-17.91	52.00	23.89	10.13	0.07	Average	NEUTRAL
6	0.2429	43.45	-18.55	62.00	33.25	10.13	0.07	QP	NEUTRAL
7	0.2909	30.40	-20.10	50.50	20.19	10.14	0.07	Average	NEUTRAL
8	0.2909	37.67	-22.83	60.50	27.46	10.14	0.07	QP	NEUTRAL
9	6.0563	18.27	-31.73	50.00	7.90	10.22	0.15	Average	NEUTRAL
10	6.0563	36.81	-23.19	60.00	26.44	10.22	0.15	QP	NEUTRAL
11	16.4856	36.99	-13.01	50.00	26.46	10.32	0.21	Average	NEUTRAL
12	16.4856	42.81	-17.19	60.00	32.28	10.32	0.21	QP	NEUTRAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	35.88M	17.76M	17M8D1D	19.11M	16.47M
802.11ac VHT20_Nss1,(MCS0)_2TX	38.61M	18.99M	19M0D1D	19.83M	17.555M
802.11ac VHT40_Nss1,(MCS0)_2TX	51.66M	36.3M	36M3D1D	40.56M	36.06M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.04M	75.716M	75M7D1D	83.04M	75.624M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	27.565M	27M6D1D	16.32M	16.565M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.58M	23.478M	23M5D1D	17.55M	17.697M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.34M	46.938M	46M9D1D	35.1M	36.802M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.96M	75.685M	75M7D1D	75.84M	75.58M

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

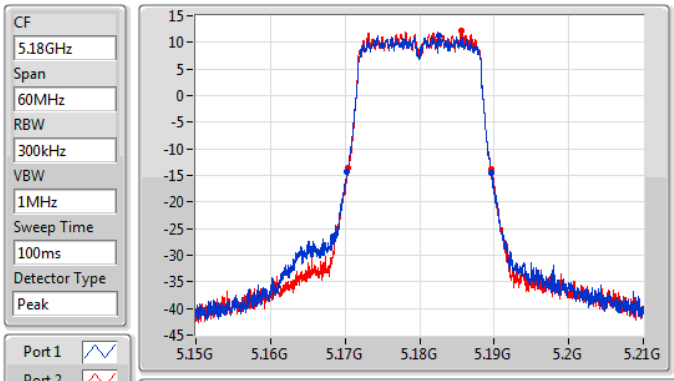
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.38M	16.47M	19.11M	16.47M
5200MHz	Pass	Inf	29.4M	16.89M	33.09M	16.86M
5240MHz	Pass	Inf	34.74M	17.22M	35.88M	17.76M
5745MHz	Pass	500k	16.35M	16.624M	16.35M	16.565M
5785MHz	Pass	500k	16.32M	17.375M	16.32M	20.799M
5825MHz	Pass	500k	16.32M	25.395M	16.32M	27.565M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.19M	17.64M	20.34M	17.67M
5200MHz	Pass	Inf	19.83M	17.555M	20.01M	17.57M
5240MHz	Pass	Inf	34.8M	18.21M	38.61M	18.99M
5745MHz	Pass	500k	17.58M	17.721M	17.55M	17.697M
5785MHz	Pass	500k	17.55M	18.101M	17.55M	20.399M
5825MHz	Pass	500k	17.55M	19.805M	17.55M	23.478M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.74M	36.12M	40.56M	36.06M
5230MHz	Pass	Inf	41.52M	36.24M	51.66M	36.3M
5755MHz	Pass	500k	35.28M	36.878M	35.1M	36.802M
5795MHz	Pass	500k	35.34M	46.938M	35.1M	43.437M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.04M	75.716M	83.04M	75.624M
5775MHz	Pass	500k	75.96M	75.685M	75.84M	75.58M

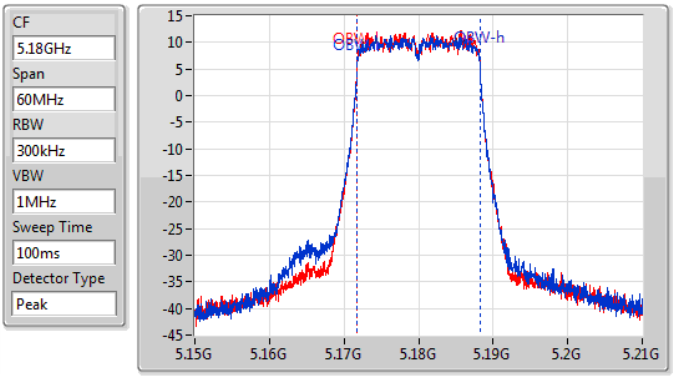
Port X-N dB = Port **X** 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port **X** 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_2TX EBW

5180MHz

09/03/2020



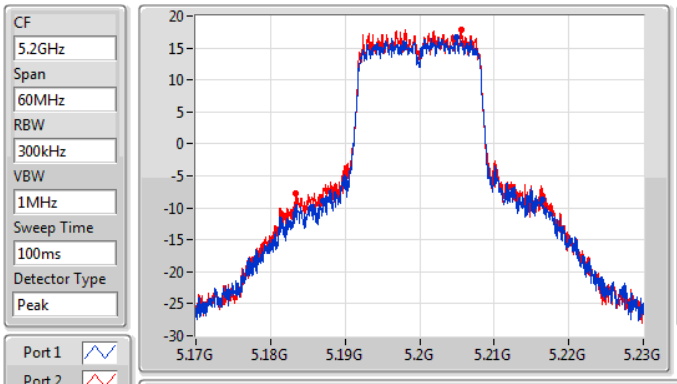


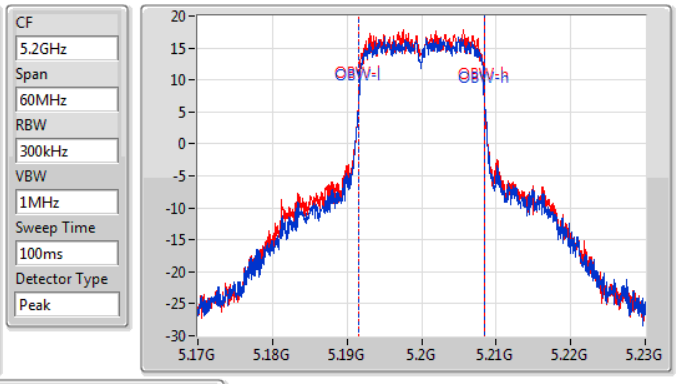
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.38M	5.17028G	5.18966G	16.47M	5.17175G	5.18822G	Inf	1
19.11M	5.17046G	5.18957G	16.47M	5.17175G	5.18822G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5200MHz

09/03/2020



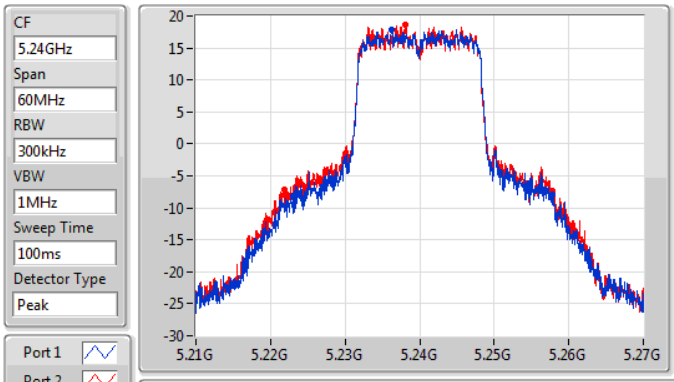


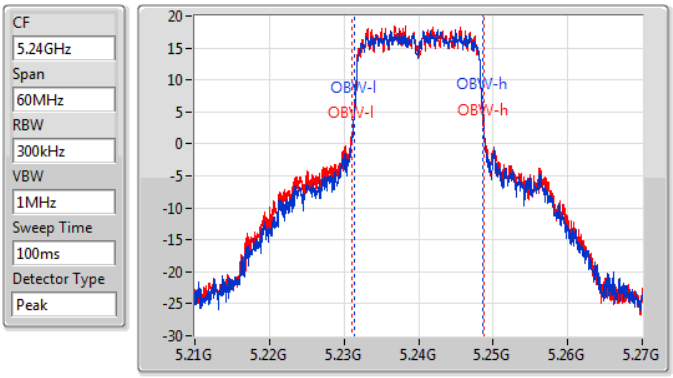
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.4M	5.1871G	5.2165G	16.89M	5.1916G	5.20849G	Inf	1
33.09M	5.18344G	5.21653G	16.86M	5.19157G	5.20843G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5240MHz

09/03/2020



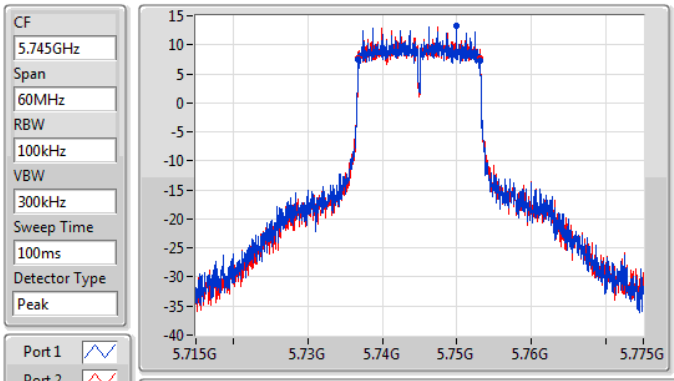


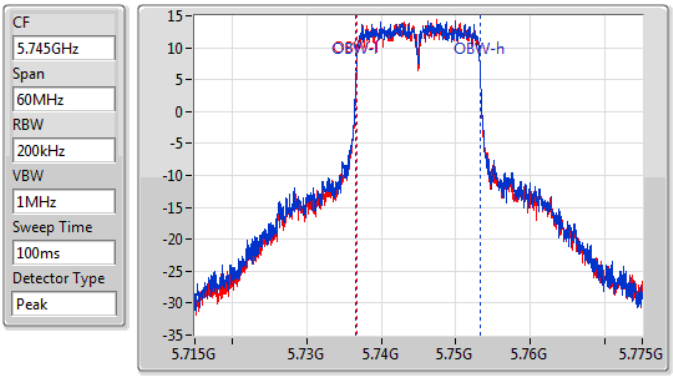
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.74M	5.22308G	5.25782G	17.22M	5.23142G	5.24864G	Inf	1
35.88M	5.22194G	5.25782G	17.76M	5.23106G	5.24882G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5745MHz

20/02/2020



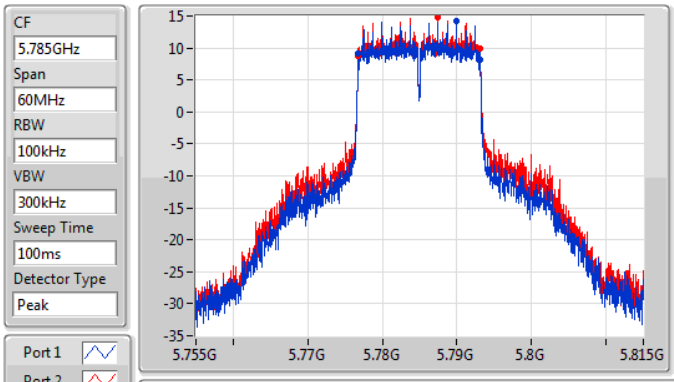


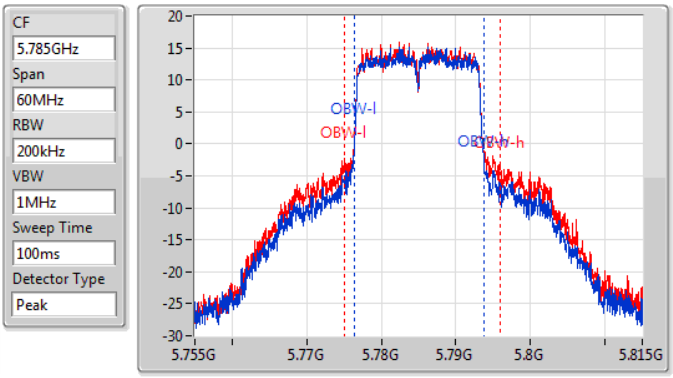
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.73678G	5.75313G	16.624M	5.736639G	5.753263G	500k	1
16.35M	5.73678G	5.75313G	16.565M	5.736693G	5.753258G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5785MHz

20/02/2020



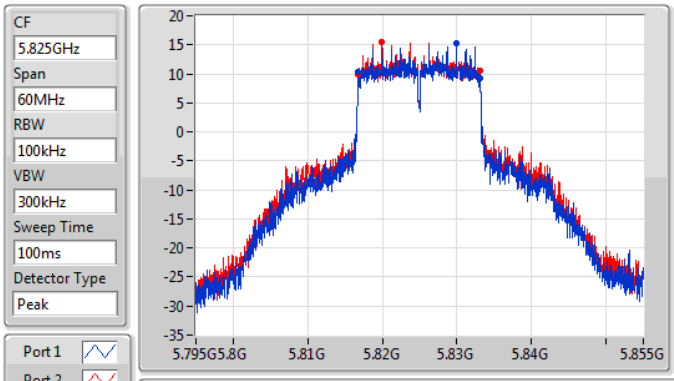


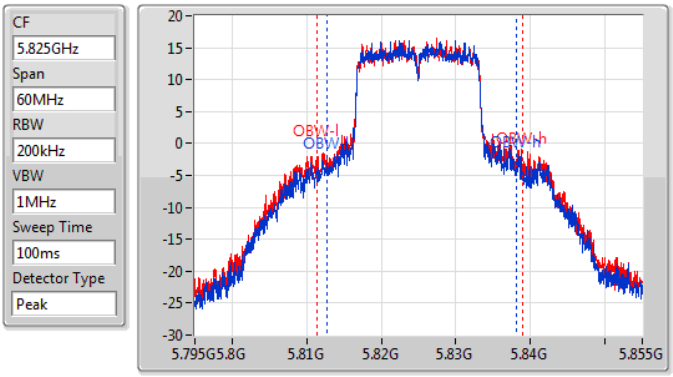
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77681G	5.79313G	17.375M	5.776447G	5.793822G	500k	1
16.32M	5.77678G	5.7931G	20.799M	5.775124G	5.795923G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

5825MHz

20/02/2020



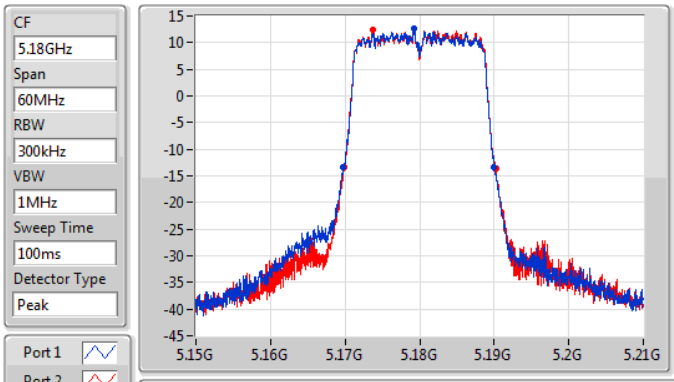


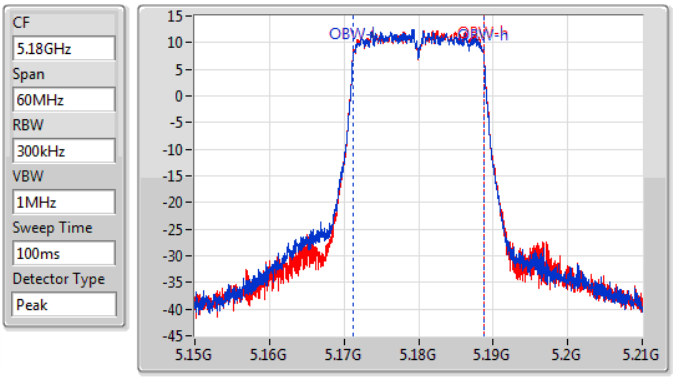
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.81681G	5.83313G	25.395M	5.812716G	5.838111G	500k	1
16.32M	5.81678G	5.8331G	27.565M	5.811445G	5.839009G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5180MHz

09/03/2020



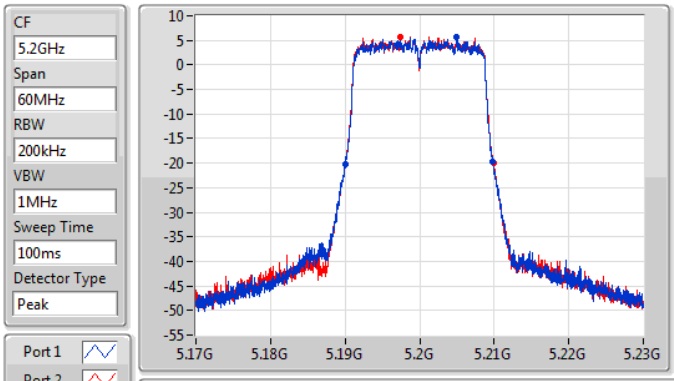


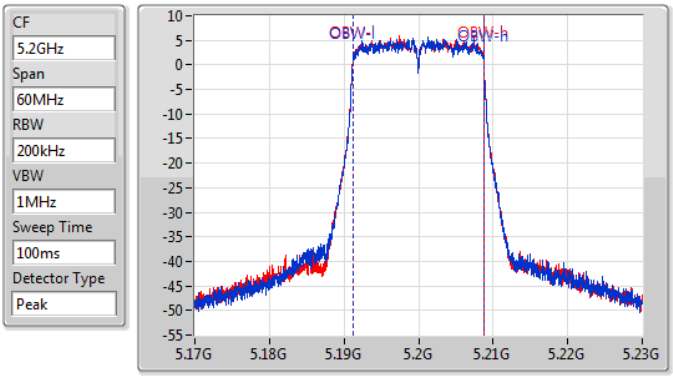
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.19M	5.16977G	5.18996G	17.64M	5.17118G	5.18882G	Inf	1
20.34M	5.16986G	5.1902G	17.67M	5.17115G	5.18882G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5200MHz

20/02/2020



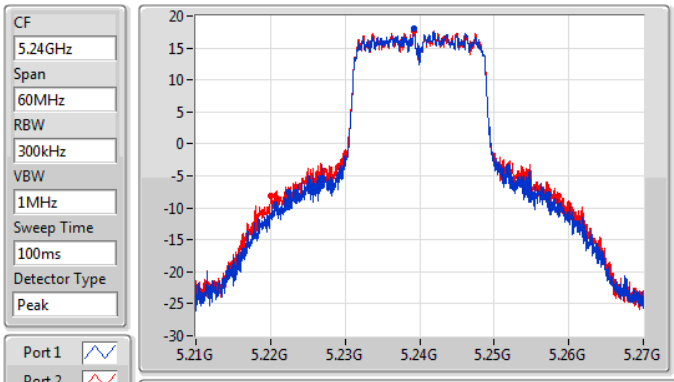


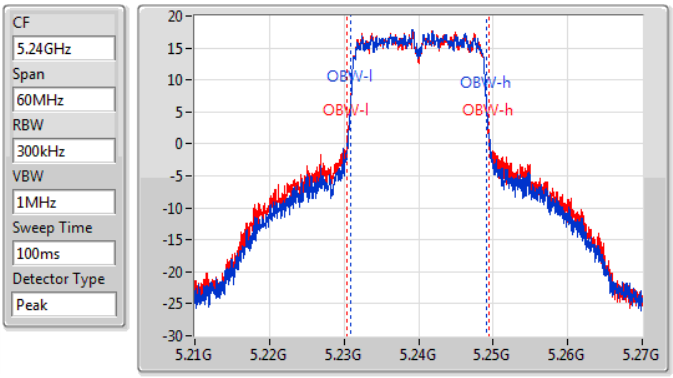
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.83M	5.19001G	5.20984G	17.555M	5.191181G	5.208736G	Inf	1
20.01M	5.18998G	5.20999G	17.57M	5.19117G	5.20874G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5240MHz

09/03/2020



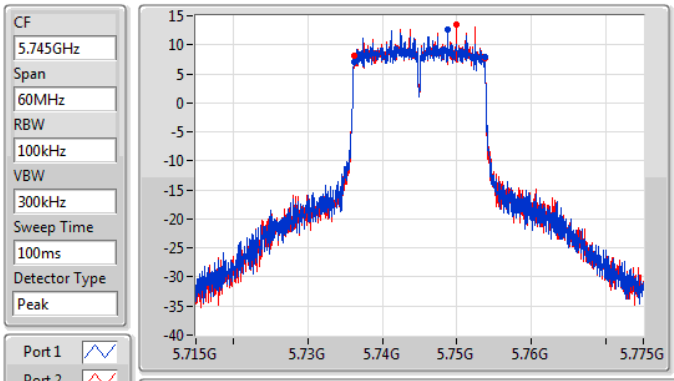


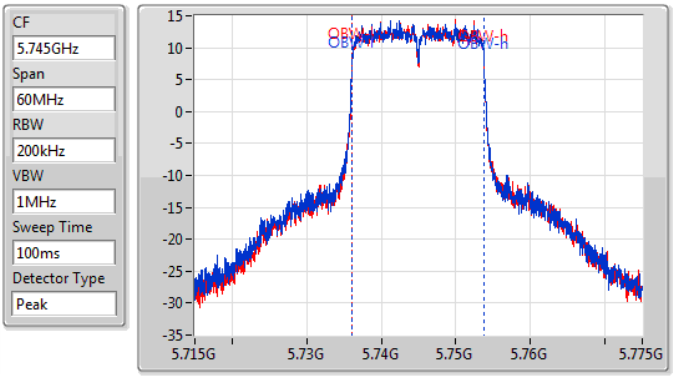
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.8M	5.22242G	5.25722G	18.21M	5.23091G	5.24912G	Inf	1
38.61M	5.22005G	5.25866G	18.99M	5.23046G	5.24945G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5745MHz

20/02/2020



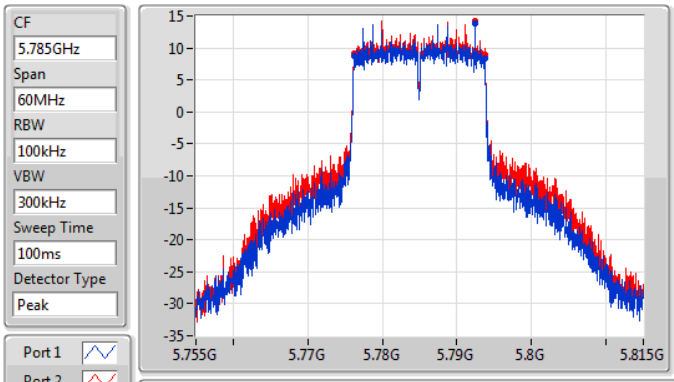


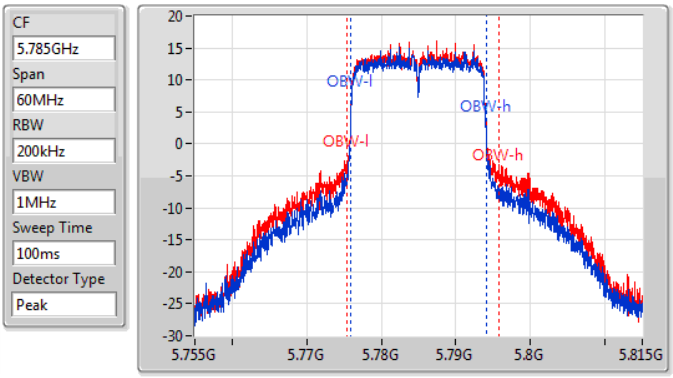
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73615G	5.75373G	17.721M	5.736087G	5.753808G	500k	1
17.55M	5.73618G	5.75373G	17.697M	5.736106G	5.753803G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5785MHz

20/02/2020



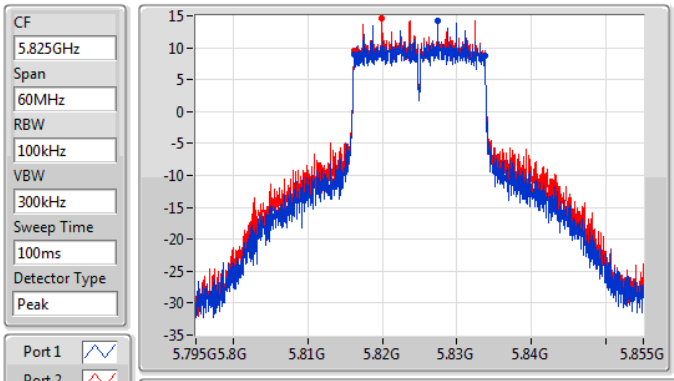


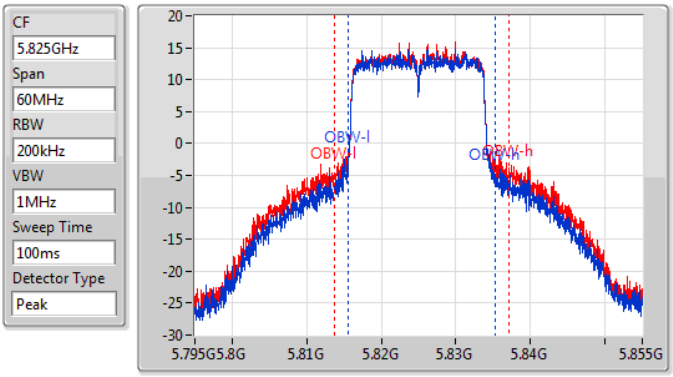
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.77618G	5.79373G	18.101M	5.775963G	5.794064G	500k	1
17.55M	5.77618G	5.79373G	20.399M	5.775321G	5.79572G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5825MHz

20/02/2020



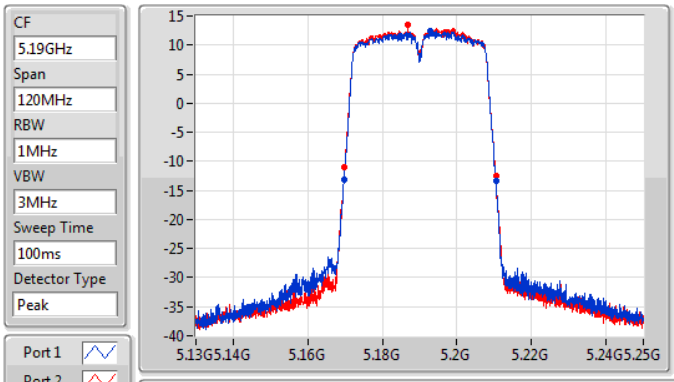


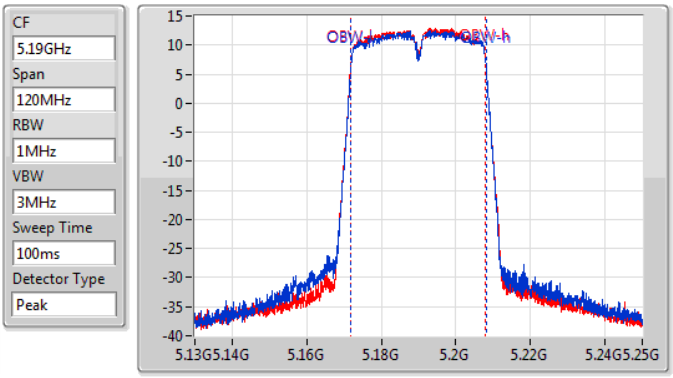
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81618G	5.83373G	19.805M	5.815482G	5.835287G	500k	1
17.55M	5.81618G	5.83373G	23.478M	5.813722G	5.8372G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

09/03/2020



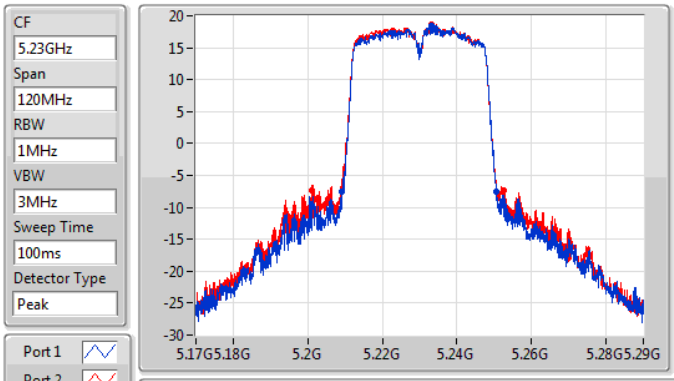


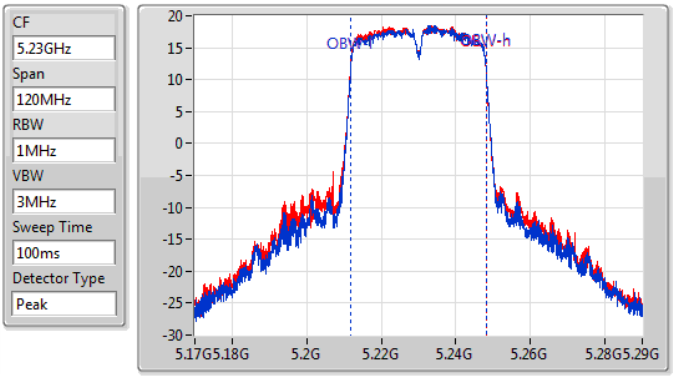
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.16972G	5.21046G	36.12M	5.17194G	5.20806G	Inf	1
40.56M	5.16984G	5.2104G	36.06M	5.17194G	5.208G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

09/03/2020



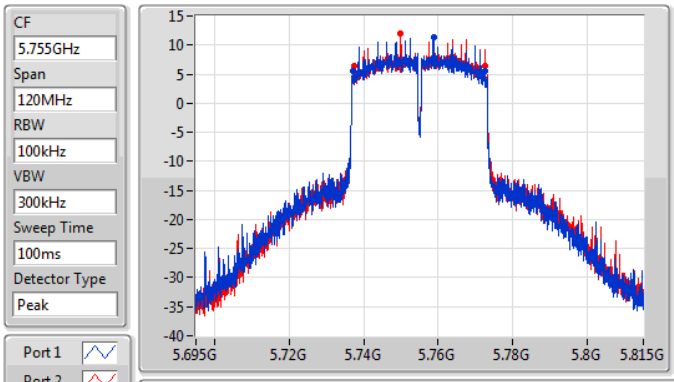


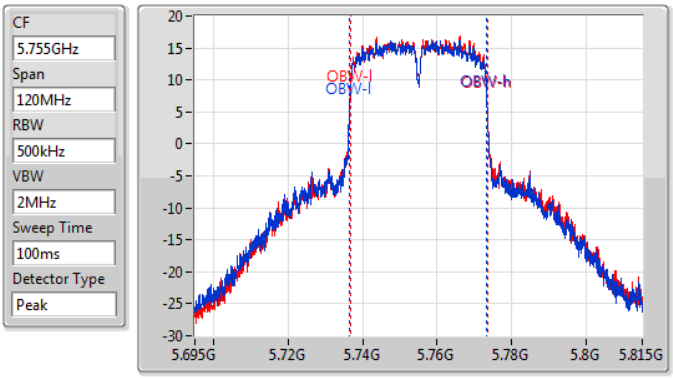
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.52M	5.209G	5.25052G	36.24M	5.21182G	5.24806G	Inf	1
51.66M	5.20096G	5.25262G	36.3M	5.21176G	5.24806G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

20/02/2020



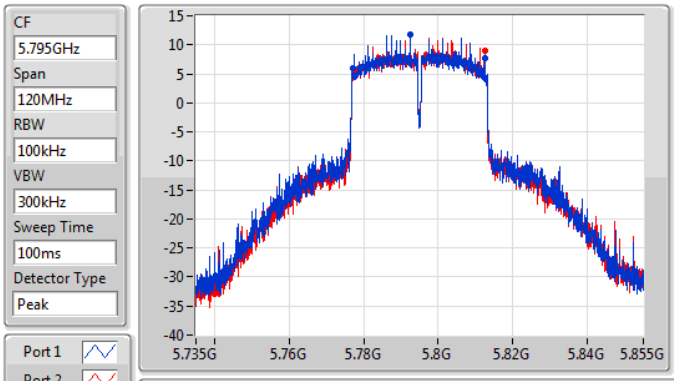


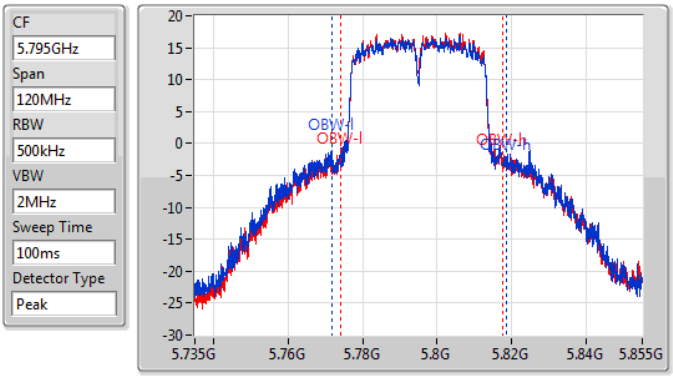
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.28M	5.73718G	5.77246G	36.878M	5.736491G	5.773369G	500k	1
35.1M	5.73742G	5.77252G	36.802M	5.736629G	5.773431G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5795MHz

20/02/2020



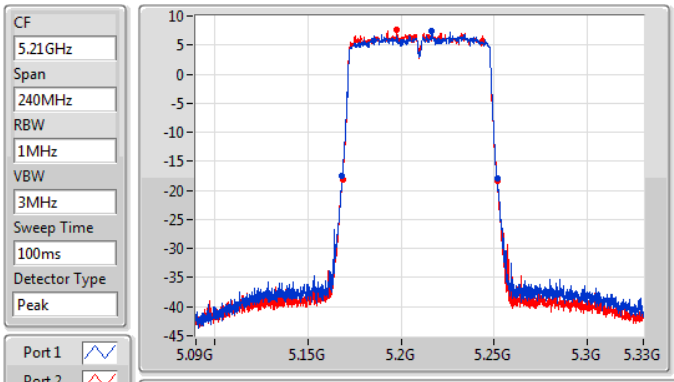


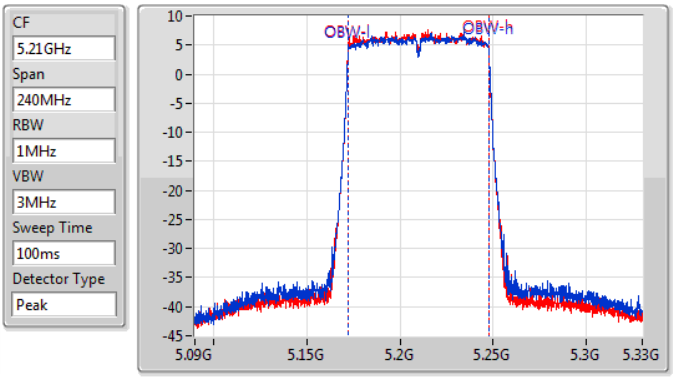
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.34M	5.77718G	5.81252G	46.938M	5.771719G	5.818656G	500k	1
35.1M	5.77736G	5.81246G	43.437M	5.774001G	5.817438G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5210MHz

20/02/2020



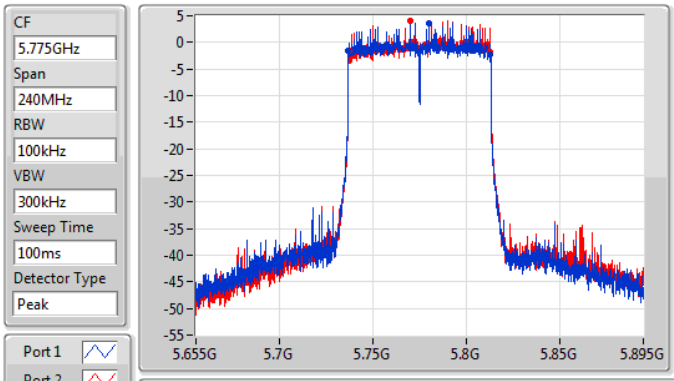


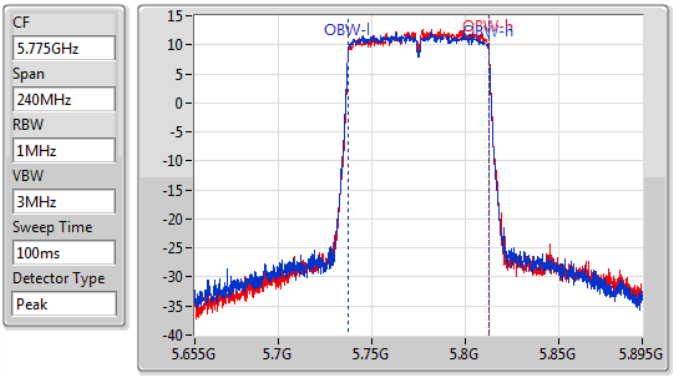
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.04M	5.16848G	5.25152G	75.716M	5.1721G	5.247816G	Inf	1
83.04M	5.1686G	5.25164G	75.624M	5.172103G	5.247727G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz

20/02/2020





6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.96M	5.73684G	5.8128G	75.685M	5.737075G	5.81276G	500k	1
75.84M	5.7372G	5.81304G	75.58M	5.737232G	5.812813G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	28.47	0.70307	32.52	1.78649
802.11ac VHT20_Nss1,(MCS0)_2TX	28.50	0.70795	32.55	1.79887
802.11ac VHT40_Nss1,(MCS0)_2TX	26.34	0.43053	30.39	1.09396
802.11ac VHT80_Nss1,(MCS0)_2TX	19.41	0.08730	23.46	0.22182
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.56	0.90365	33.61	2.29615
802.11ac VHT20_Nss1,(MCS0)_2TX	28.84	0.76560	32.89	1.94536
802.11ac VHT40_Nss1,(MCS0)_2TX	29.29	0.84918	33.34	2.15774
802.11ac VHT80_Nss1,(MCS0)_2TX	24.38	0.27416	28.43	0.69663

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.05	19.28	19.41	22.36	30.00	26.41	36.00
5200MHz	Pass	4.05	24.39	24.85	27.64	30.00	31.69	36.00
5240MHz	Pass	4.05	25.47	25.44	28.47	30.00	32.52	36.00
5745MHz	Pass	4.05	24.81	24.87	27.85	30.00	31.90	36.00
5785MHz	Pass	4.05	25.34	26.15	28.77	30.00	32.82	36.00
5825MHz	Pass	4.05	26.48	26.61	29.56	30.00	33.61	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.05	20.33	20.37	23.36	30.00	27.41	36.00
5200MHz	Pass	4.05	24.86	25.32	28.11	30.00	32.16	36.00
5240MHz	Pass	4.05	25.42	25.55	28.50	30.00	32.55	36.00
5745MHz	Pass	4.05	24.76	24.89	27.84	30.00	31.89	36.00
5785MHz	Pass	4.05	25.21	26.04	28.66	30.00	32.71	36.00
5825MHz	Pass	4.05	25.55	26.10	28.84	30.00	32.89	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.05	17.69	18.13	20.93	30.00	24.98	36.00
5230MHz	Pass	4.05	23.15	23.51	26.34	30.00	30.39	36.00
5755MHz	Pass	4.05	25.58	25.75	28.68	30.00	32.73	36.00
5795MHz	Pass	4.05	26.22	26.34	29.29	30.00	33.34	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.05	16.33	16.46	19.41	30.00	23.46	36.00
5775MHz	Pass	4.05	21.27	21.47	24.38	30.00	28.43	36.00

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	15.48
802.11ac VHT20_Nss1,(MCS0)_2TX	15.26
802.11ac VHT40_Nss1,(MCS0)_2TX	10.60
802.11ac VHT80_Nss1,(MCS0)_2TX	0.09
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	13.52
802.11ac VHT20_Nss1,(MCS0)_2TX	13.44
802.11ac VHT40_Nss1,(MCS0)_2TX	11.27
802.11ac VHT80_Nss1,(MCS0)_2TX	3.74

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

Result

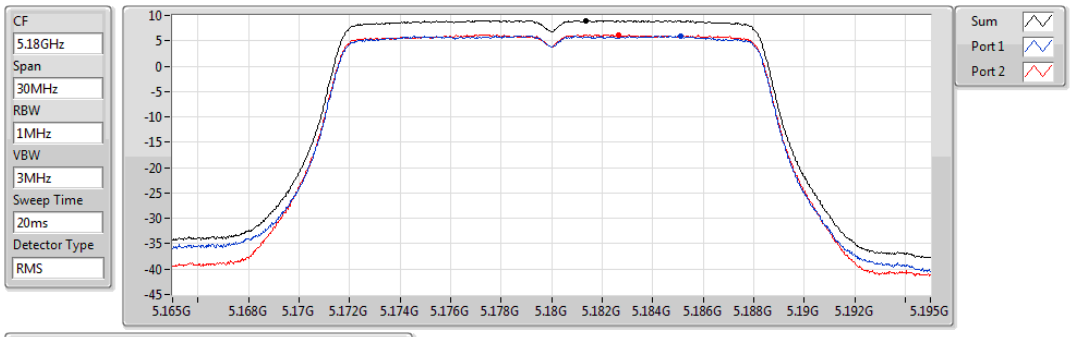
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.06	5.99	6.22	9.00	15.94
5200MHz	Pass	7.06	11.34	11.95	14.61	15.94
5240MHz	Pass	7.06	12.48	12.56	15.48	15.94
5745MHz	Pass	7.06	9.24	9.36	12.27	28.94
5785MHz	Pass	7.06	9.88	10.41	13.09	28.94
5825MHz	Pass	7.06	10.53	10.56	13.52	28.94
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	7.06	7.00	7.15	9.97	15.94
5200MHz	Pass	7.06	3.21	3.15	6.16	15.94
5240MHz	Pass	7.06	12.28	12.30	15.26	15.94
5745MHz	Pass	7.06	9.56	9.66	12.52	28.94
5785MHz	Pass	7.06	10.13	10.80	13.44	28.94
5825MHz	Pass	7.06	10.28	10.62	13.44	28.94
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	7.06	1.81	2.22	4.92	15.94
5230MHz	Pass	7.06	7.57	7.64	10.60	15.94
5755MHz	Pass	7.06	7.86	7.99	10.88	28.94
5795MHz	Pass	7.06	8.31	8.40	11.27	28.94
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	7.06	-2.83	-2.85	0.09	15.94
5775MHz	Pass	7.06	0.72	0.92	3.74	28.94

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

802.11a_Nss1,(6Mbps)_2TX PSD

5180MHz

09/03/2020

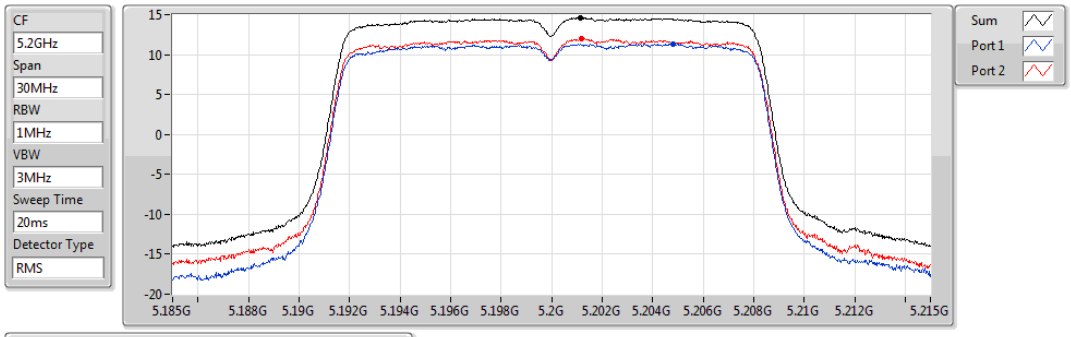


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.00	9.00	5.99	6.22

802.11a_Nss1,(6Mbps)_2TX PSD

5200MHz

09/03/2020

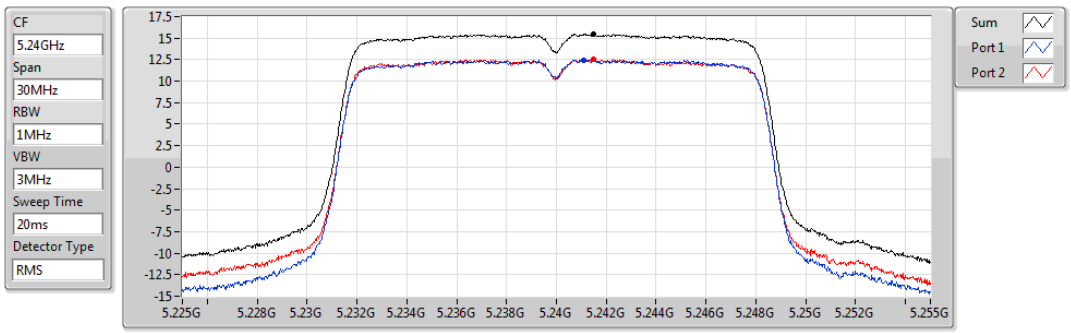


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.61	14.61	11.34	11.95

802.11a_Nss1,(6Mbps)_2TX PSD

5240MHz

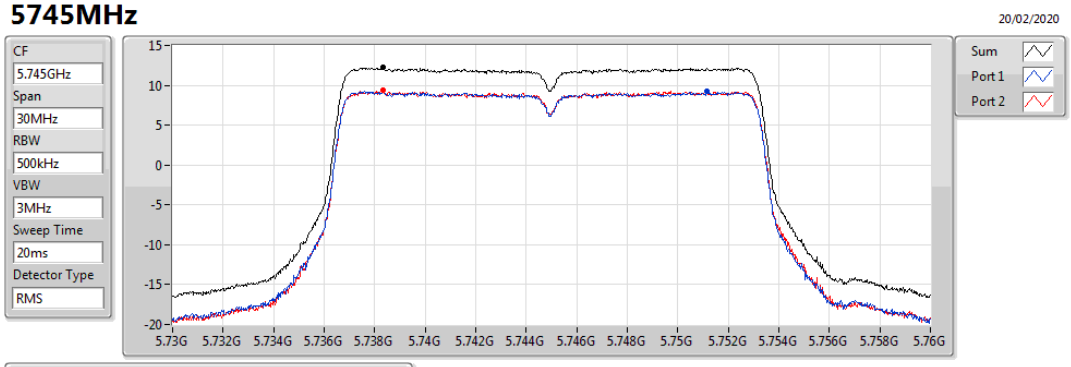
09/03/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.48	15.48	12.48	12.56

802.11a_Nss1,(6Mbps)_2TX PSD

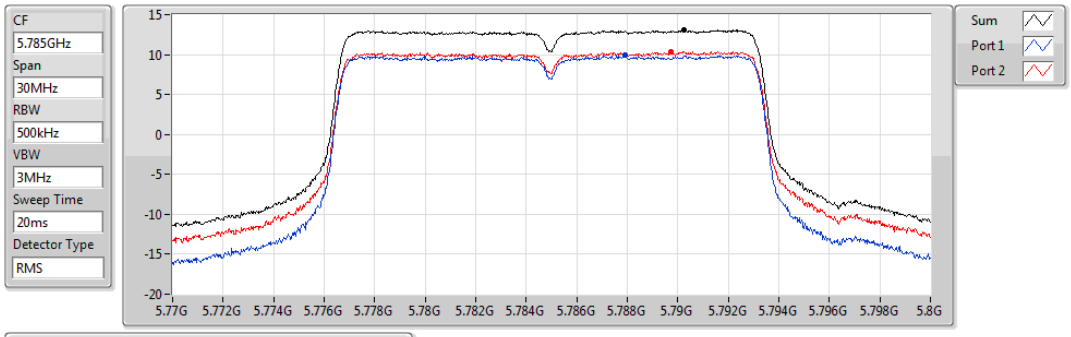
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.27	12.27	9.24	9.36

802.11a_Nss1,(6Mbps)_2TX PSD

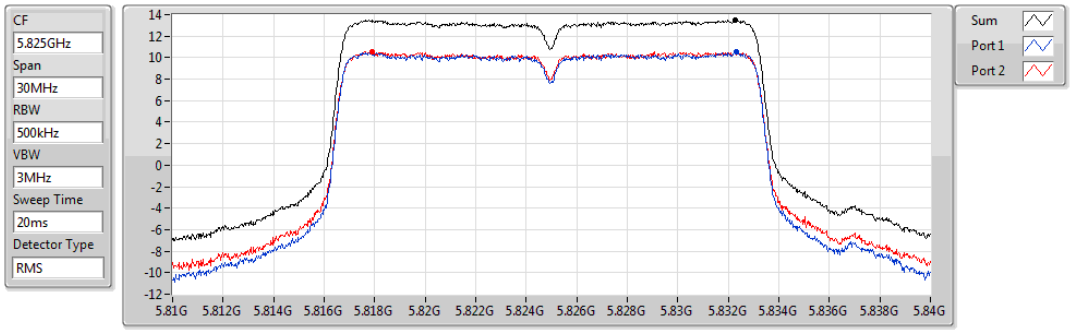
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.09	13.09	9.88	10.41

802.11a_Nss1,(6Mbps)_2TX PSD

5825MHz

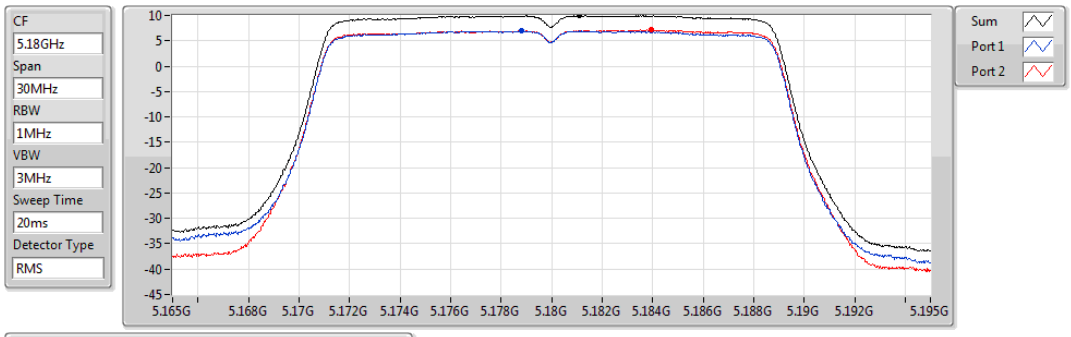


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.52	13.52	10.53	10.56

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5180MHz

09/03/2020

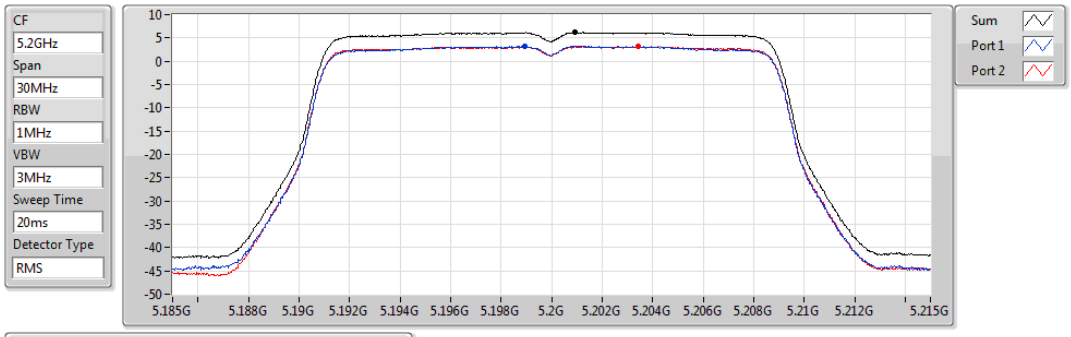


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.97	9.97	7.00	7.15

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5200MHz

20/02/2020

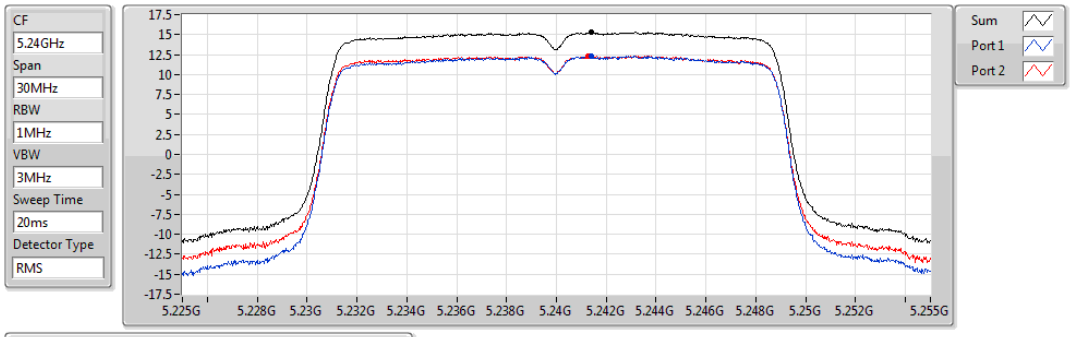


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.16	6.16	3.21	3.15

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5240MHz

09/03/2020

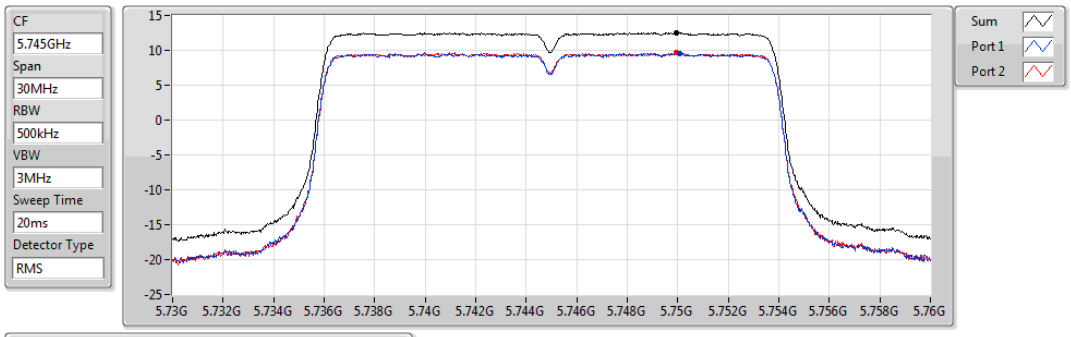


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.26	15.26	12.28	12.30

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5745MHz

20/02/2020

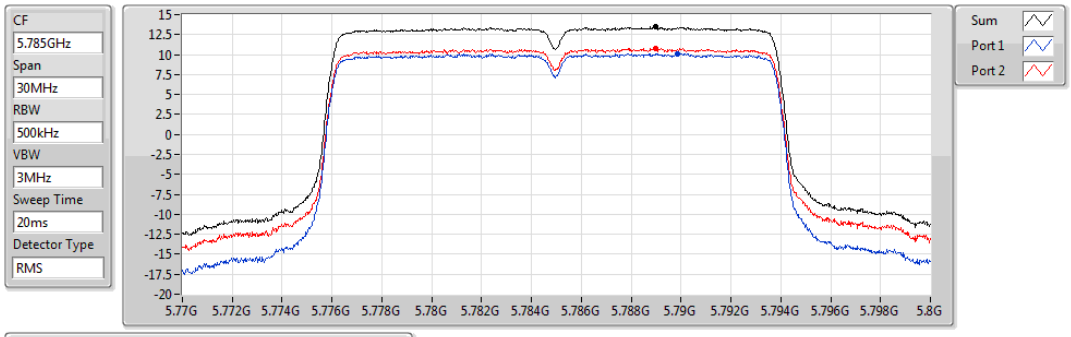


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.52	12.52	9.56	9.66

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5785MHz

20/02/2020

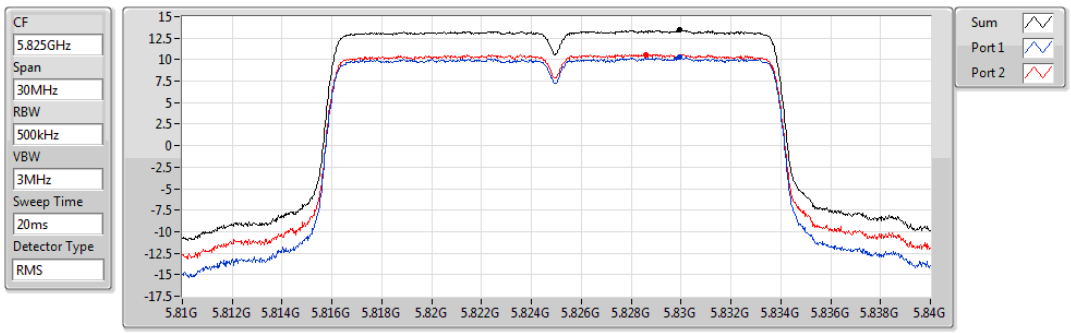


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.44	13.44	10.13	10.80

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5825MHz

20/02/2020

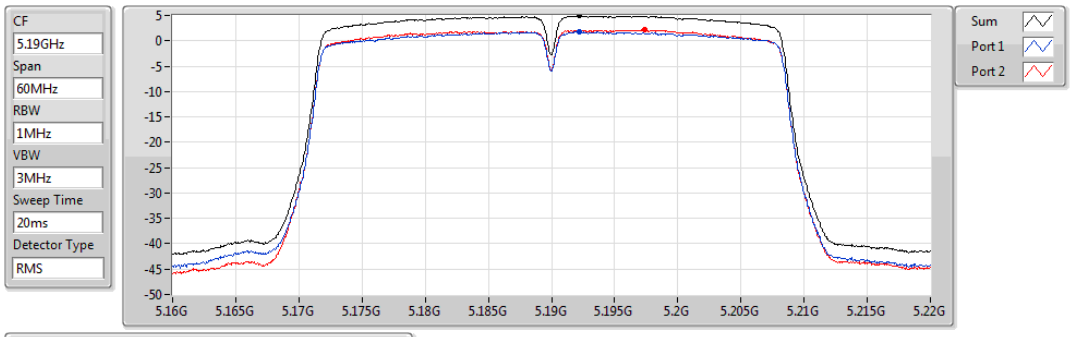


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.44	13.44	10.28	10.62

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5190MHz

09/03/2020

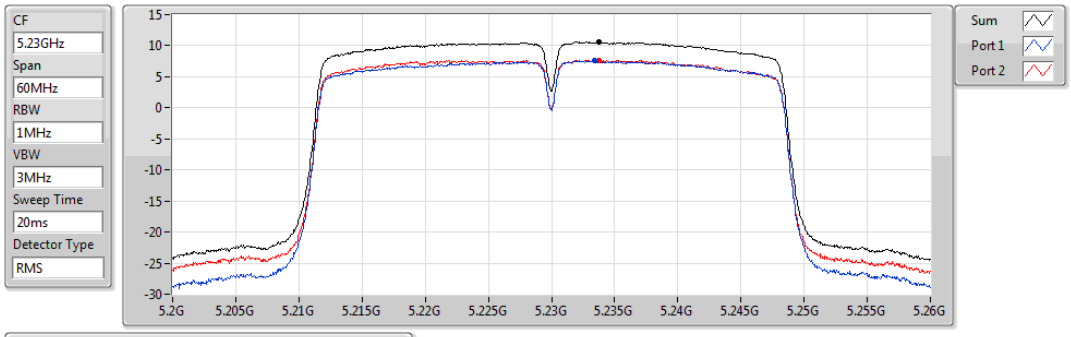


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.92	4.92	1.81	2.22

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5230MHz

09/03/2020

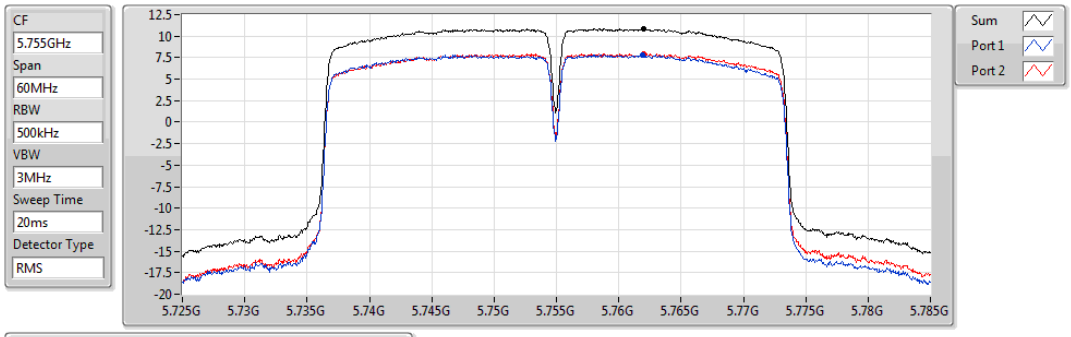


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.60	10.60	7.57	7.64

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5755MHz

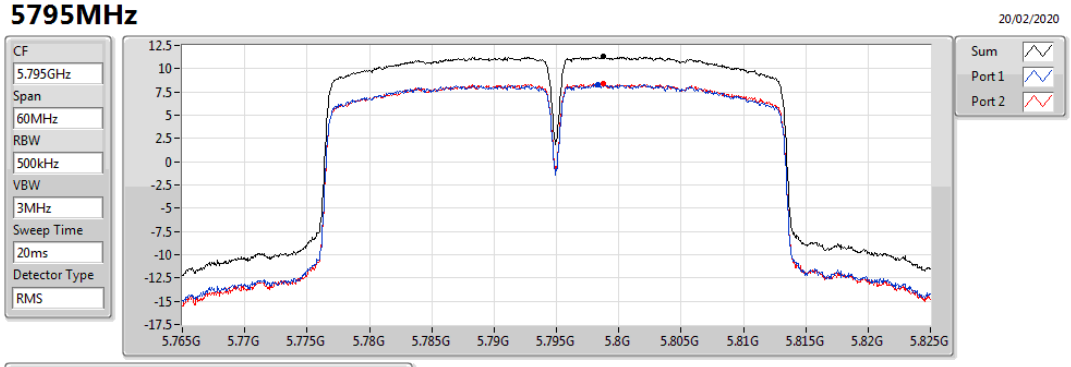
20/02/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	7.86	7.99

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

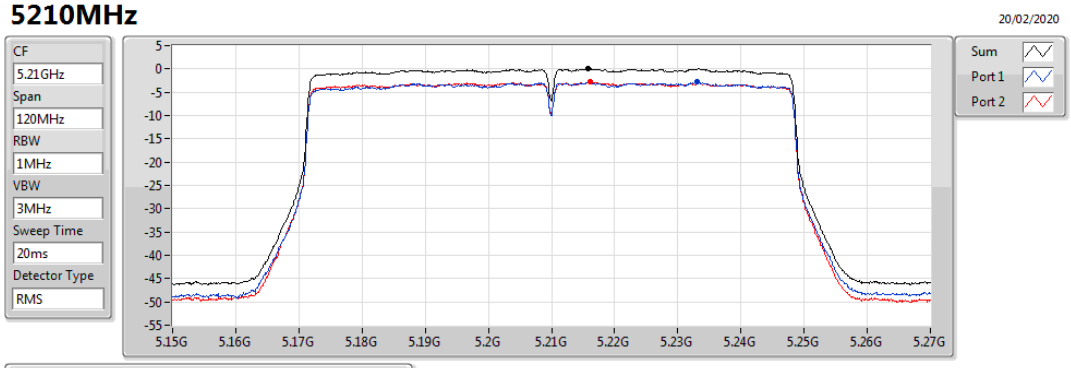
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.27	11.27	8.31	8.40

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

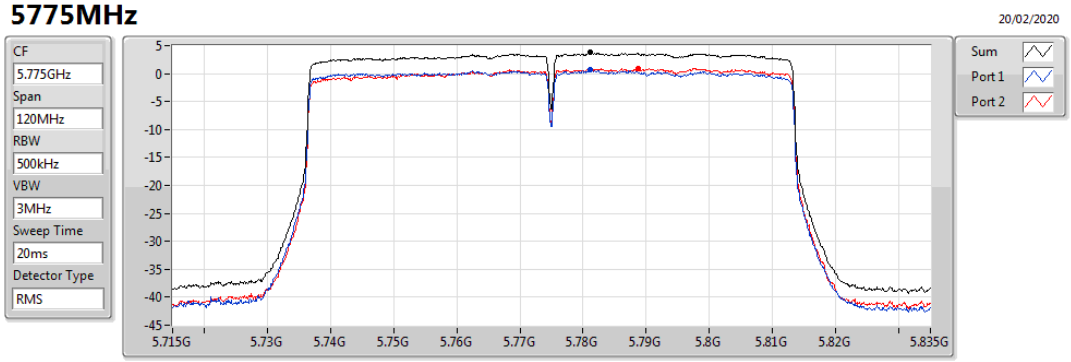
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.09	0.09	-2.83	-2.85

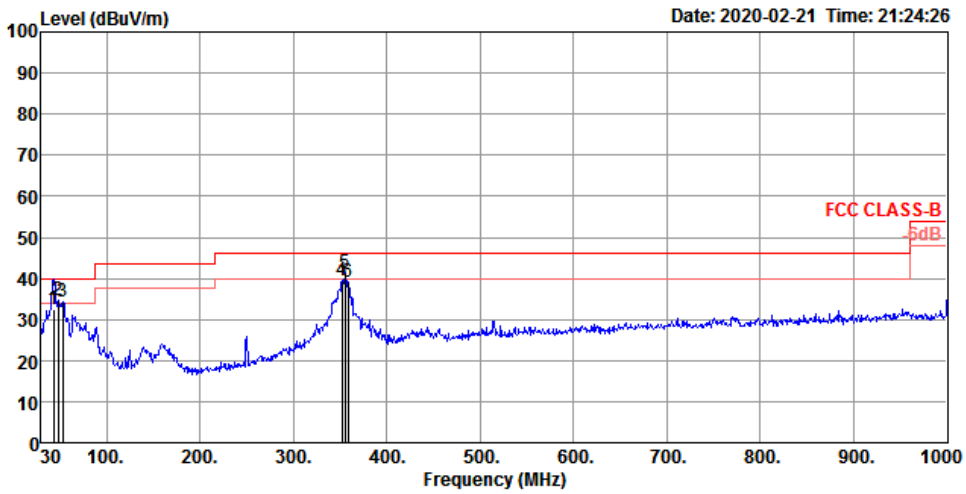
802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.74	3.74	0.72	0.92

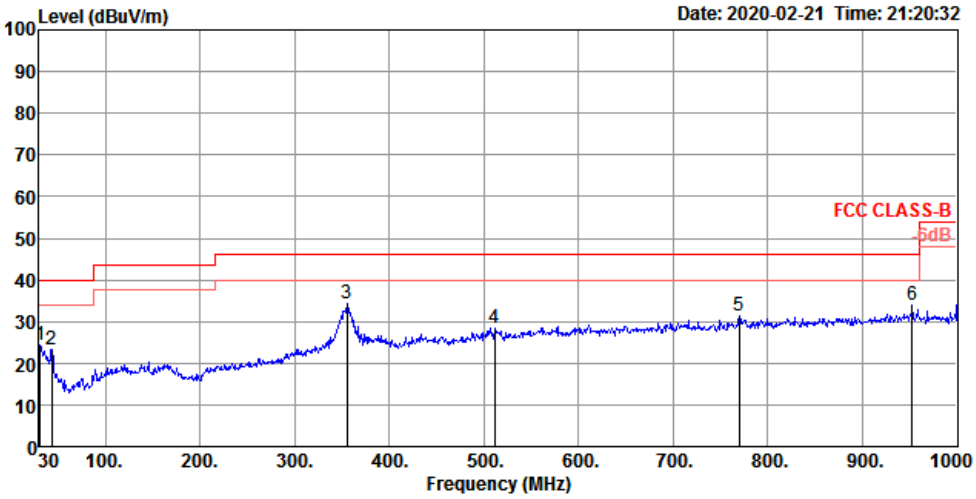
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	43.58	32.33	40.00	-7.67	47.20	0.80	16.54	32.21	100	49	QP	VERTICAL
2	48.43	34.55	40.00	-5.45	51.57	0.87	14.30	32.19	100	7	Peak	VERTICAL
3	53.28	34.21	40.00	-5.79	52.51	0.90	12.99	32.19	125	234	Peak	VERTICAL
4	352.04	39.34	46.00	-6.66	48.72	2.21	20.25	31.84	150	159	Peak	VERTICAL
5	354.95	41.50	46.00	-4.50	50.76	2.22	20.38	31.86	150	159	Peak	VERTICAL
6	358.83	39.14	46.00	-6.86	48.27	2.24	20.51	31.88	150	135	Peak	VERTICAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.97	24.21	40.00	-15.79	32.15	0.70	23.55	32.19	200	90	Peak	HORIZONTAL
2	43.58	23.07	40.00	-16.93	37.94	0.80	16.54	32.21	125	107	Peak	HORIZONTAL
3	354.95	34.23	46.00	-11.77	43.49	2.22	20.38	31.86	100	299	Peak	HORIZONTAL
4	511.12	28.38	46.00	-17.62	34.03	2.62	23.77	32.04	100	0	Peak	HORIZONTAL
5	770.11	31.44	46.00	-14.56	34.18	3.30	25.86	31.90	200	146	Peak	HORIZONTAL
6	952.47	33.91	46.00	-12.09	33.90	3.80	26.93	30.72	150	173	Peak	HORIZONTAL

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

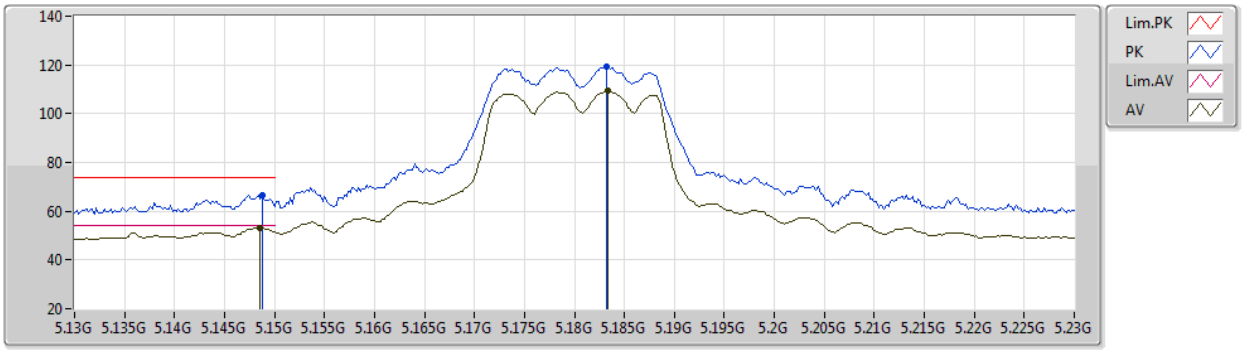
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	17.47292G	68.11	68.20	-0.09	3	Horizontal	1	1.66	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

18/02/2020



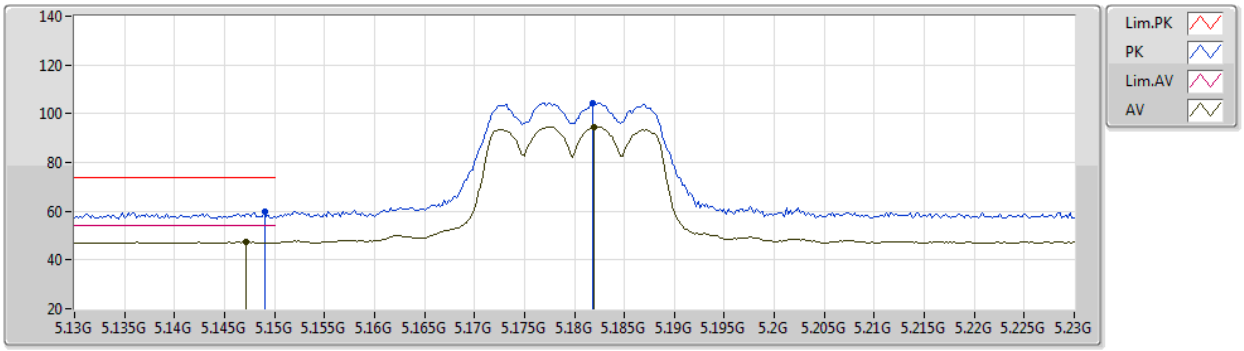
EUT Y_2TX
Setting 18.5
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1488G	66.66	74.00	-7.34	57.52	3	Vertical	222	2.14	-	33.55	5.97	30.38
AV	5.1486G	53.21	54.00	-0.79	44.07	3	Vertical	222	2.14	-	33.55	5.97	30.38
PK	5.1832G	119.13	Inf	-Inf	109.95	3	Vertical	222	2.14	-	33.58	5.99	30.39
AV	5.1834G	109.24	Inf	-Inf	100.07	3	Vertical	222	2.14	-	33.58	5.99	30.40

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

18/02/2020



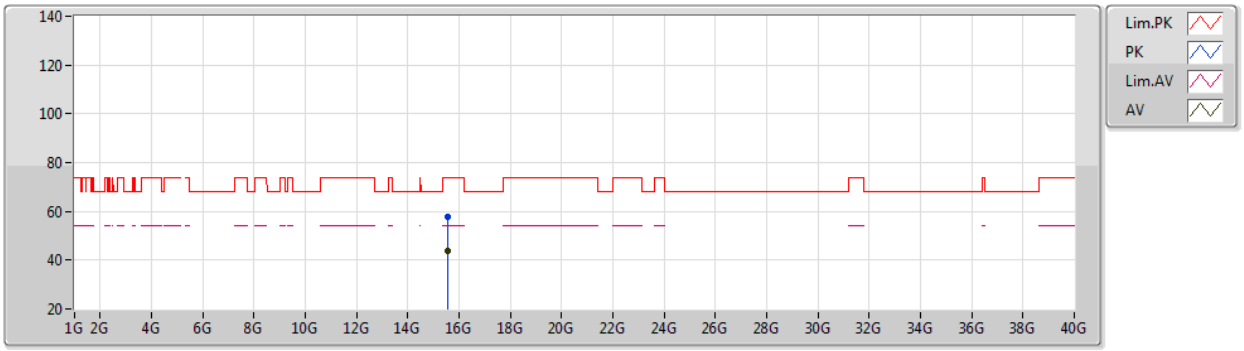
EUT Y_2TX
Setting 18.5
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.149G	59.63	74.00	-14.37	50.49	3	Horizontal	86	2.37	-	33.55	5.97	30.38
AV	5.1472G	47.46	54.00	-6.54	38.32	3	Horizontal	86	2.37	-	33.55	5.97	30.38
PK	5.1818G	104.49	Inf	-Inf	95.31	3	Horizontal	86	2.37	-	33.58	5.99	30.39
AV	5.182G	94.58	Inf	-Inf	85.40	3	Horizontal	86	2.37	-	33.58	5.99	30.39

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

18/02/2020



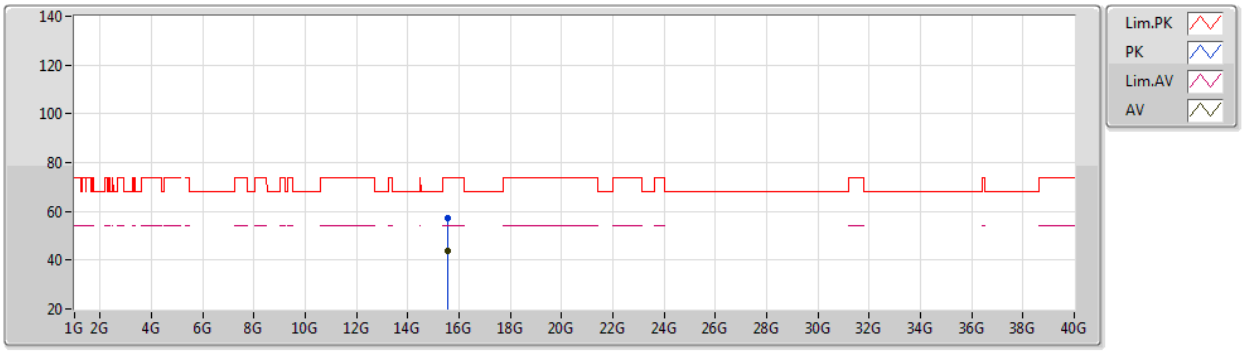
EUT Y_2TX
Setting 18.5
02-D-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.54034G	57.74	74.00	-16.26	41.74	3	Vertical	0	2.66	-	38.73	9.25	31.98
AV	15.54014G	43.92	54.00	-10.08	27.92	3	Vertical	0	2.66	-	38.73	9.25	31.98

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

18/02/2020



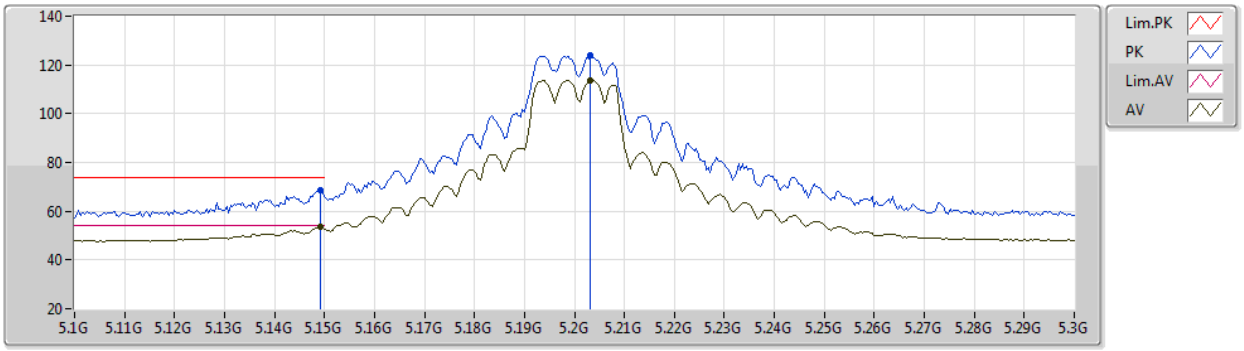
EUT Y_2TX
Setting 18.5
02-D-L-3

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	15.5398G	57.10	74.00	-16.90	41.10	3	Horizontal	103	1.02	-	38.73	9.25	31.98
AV	15.53987G	43.73	54.00	-10.27	27.73	3	Horizontal	103	1.02	-	38.73	9.25	31.98

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

18/02/2020



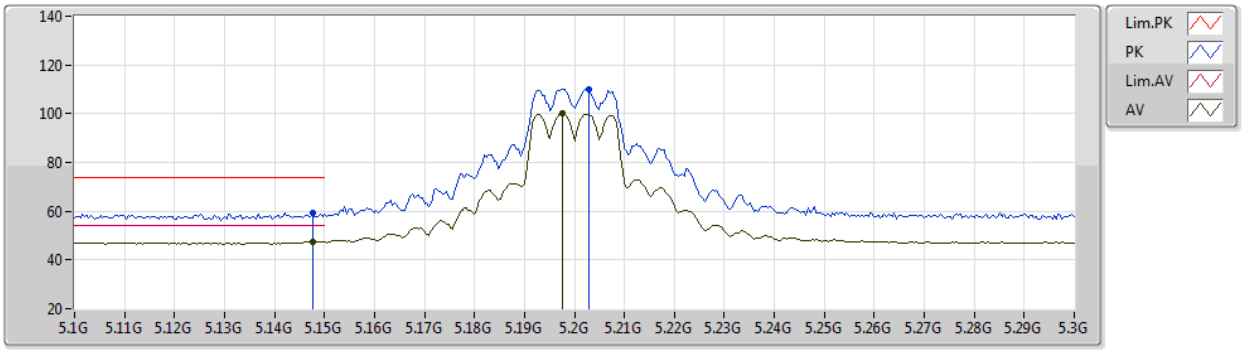
EUT Y_2TX
Setting 24
02-D-L-3-10

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	5.1492G	68.81	74.00	-5.19	59.67	3	Vertical	222	2.40	-	33.55	5.97	30.38
AV	5.1492G	53.65	54.00	-0.35	44.51	3	Vertical	222	2.40	-	33.55	5.97	30.38
PK	5.2032G	123.74	Inf	-Inf	114.53	3	Vertical	222	2.40	-	33.61	6.00	30.40
AV	5.2032G	113.87	Inf	-Inf	104.66	3	Vertical	222	2.40	-	33.61	6.00	30.40

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

18/02/2020



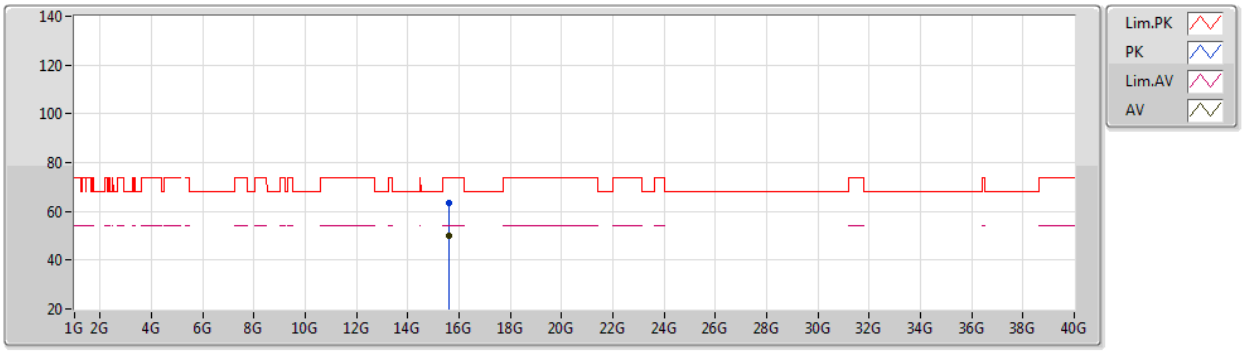
EUT Y_2TX
Setting 24
02-D-L-3-10

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	59.52	74.00	-14.48	50.38	3	Horizontal	90	2.11	-	33.55	5.97	30.38
AV	5.1476G	47.65	54.00	-6.35	38.51	3	Horizontal	90	2.11	-	33.55	5.97	30.38
PK	5.2028G	109.98	Inf	-Inf	100.77	3	Horizontal	90	2.11	-	33.61	6.00	30.40
AV	5.1976G	100.14	Inf	-Inf	90.94	3	Horizontal	90	2.11	-	33.60	6.00	30.40

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

18/02/2020



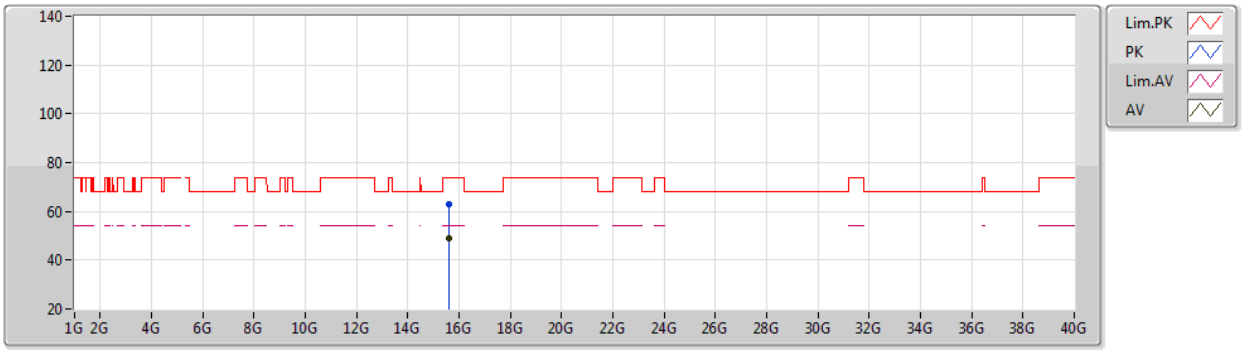
EUT Y_2TX
Setting 24
02-D-S-5

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	15.598G	63.37	74.00	-10.63	47.52	3	Vertical	5	2.48	-	38.57	9.27	31.99
AV	15.60292G	49.77	54.00	-4.23	33.94	3	Vertical	5	2.48	-	38.55	9.27	31.99

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

18/02/2020



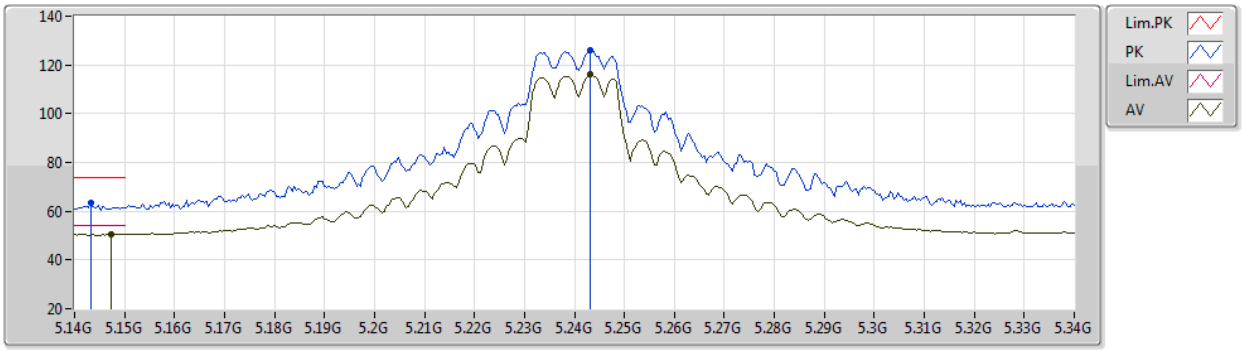
EUT Y_2TX
Setting 24
02-D-S-5

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	15.59764G	63.02	74.00	-10.98	47.17	3	Horizontal	324	1.77	-	38.57	9.27	31.99
AV	15.59768G	48.99	54.00	-5.01	33.14	3	Horizontal	324	1.77	-	38.57	9.27	31.99

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

18/02/2020



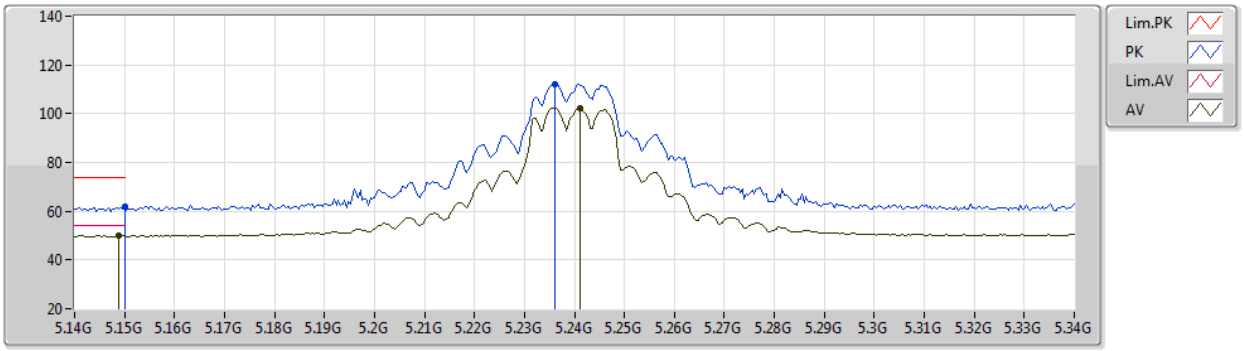
EUT Y_2TX
Setting 24.5
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1432G	63.19	74.00	-10.81	54.06	3	Vertical	223	2.29	-	33.54	5.97	30.38
AV	5.1472G	50.64	54.00	-3.36	41.50	3	Vertical	223	2.29	-	33.55	5.97	30.38
PK	5.2432G	126.00	Inf	-Inf	116.71	3	Vertical	223	2.29	-	33.69	6.02	30.42
AV	5.2432G	116.00	Inf	-Inf	106.71	3	Vertical	223	2.29	-	33.69	6.02	30.42

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

18/02/2020



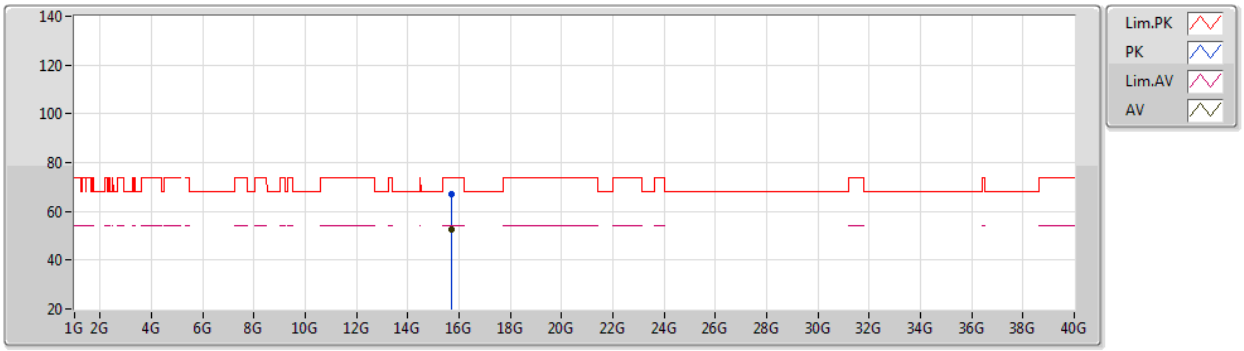
EUT Y_2TX
Setting 24.5
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.15G	61.86	74.00	-12.14	52.72	3	Horizontal	287	2.97	-	33.55	5.97	30.38
AV	5.1488G	50.00	54.00	-4.00	40.86	3	Horizontal	287	2.97	-	33.55	5.97	30.38
PK	5.236G	112.04	Inf	-Inf	102.76	3	Horizontal	287	2.97	-	33.67	6.02	30.41
AV	5.2412G	102.49	Inf	-Inf	93.21	3	Horizontal	287	2.97	-	33.68	6.02	30.42

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

18/02/2020



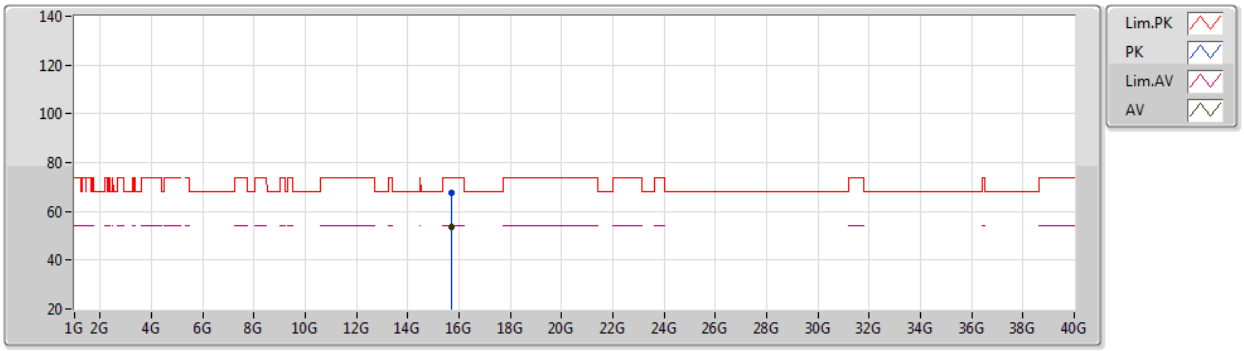
EUT Y_2TX
Setting 24.5
02-D-S-5

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	15.7286G	67.02	74.00	-6.98	51.54	3	Vertical	10	1.80	-	38.19	9.31	32.02
AV	15.7182G	52.57	54.00	-1.43	37.06	3	Vertical	10	1.80	-	38.22	9.31	32.02

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

18/02/2020



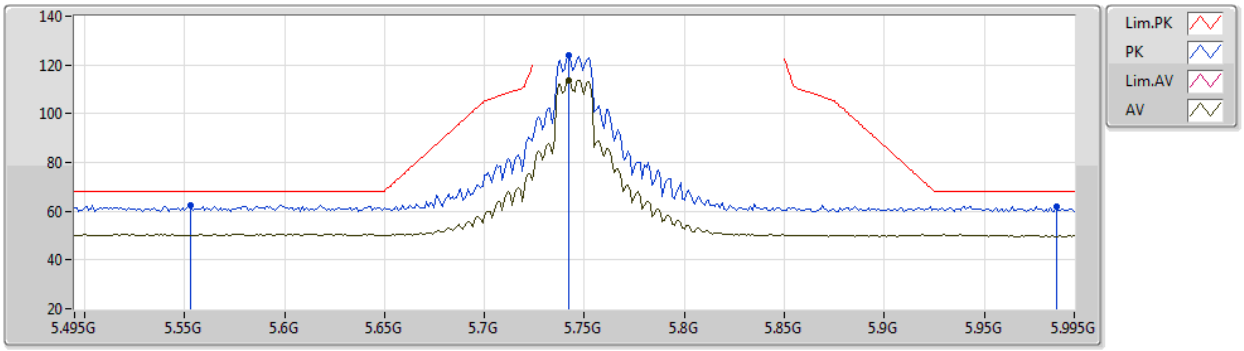
EUT Y_2TX
Setting 24.5
02-D-S-5

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	15.7182G	67.75	74.00	-6.25	52.24	3	Horizontal	323	2.20	-	38.22	9.31	32.02
AV	15.71836G	53.78	54.00	-0.22	38.27	3	Horizontal	323	2.20	-	38.22	9.31	32.02

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

18/02/2020



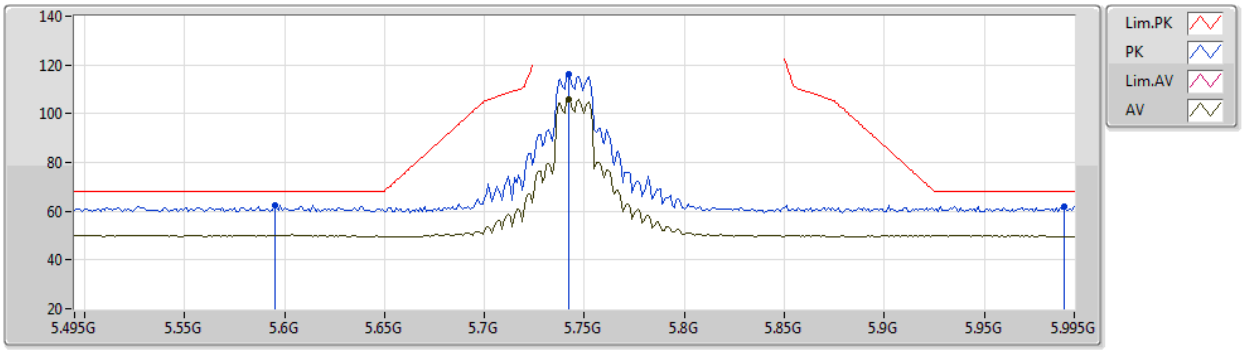
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.553G	62.40	68.20	-5.80	52.71	3	Vertical	221	2.12	-	33.95	6.26	30.52
PK	5.742G	124.12	Inf	-Inf	114.52	3	Vertical	221	2.12	-	33.80	6.37	30.57
AV	5.742G	113.71	Inf	-Inf	104.11	3	Vertical	221	2.12	-	33.80	6.37	30.57
PK	5.986G	62.03	68.20	-6.17	52.18	3	Vertical	221	2.12	-	34.17	6.31	30.63

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

18/02/2020



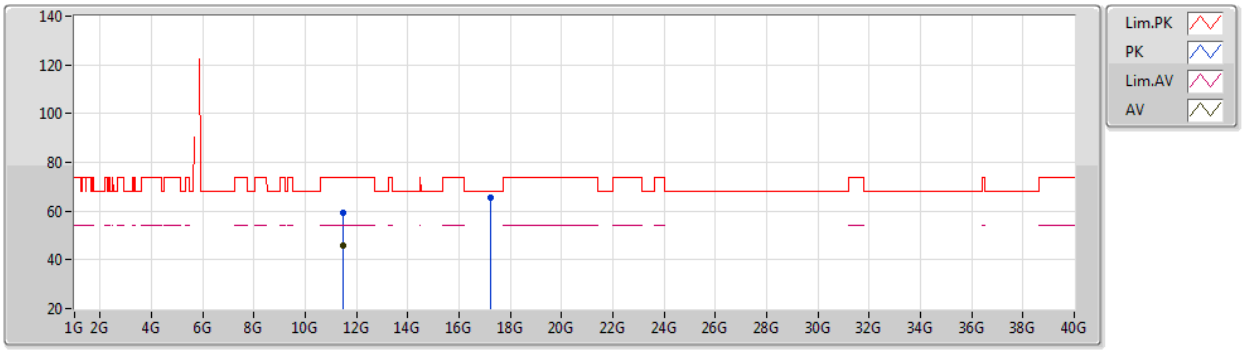
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.595G	62.39	68.20	-5.81	52.63	3	Horizontal	312	2.41	-	33.99	6.30	30.53
PK	5.742G	116.10	Inf	-Inf	106.50	3	Horizontal	312	2.41	-	33.80	6.37	30.57
AV	5.742G	105.77	Inf	-Inf	96.17	3	Horizontal	312	2.41	-	33.80	6.37	30.57
PK	5.99G	61.95	68.20	-6.25	52.10	3	Horizontal	312	2.41	-	34.18	6.30	30.63

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

18/02/2020



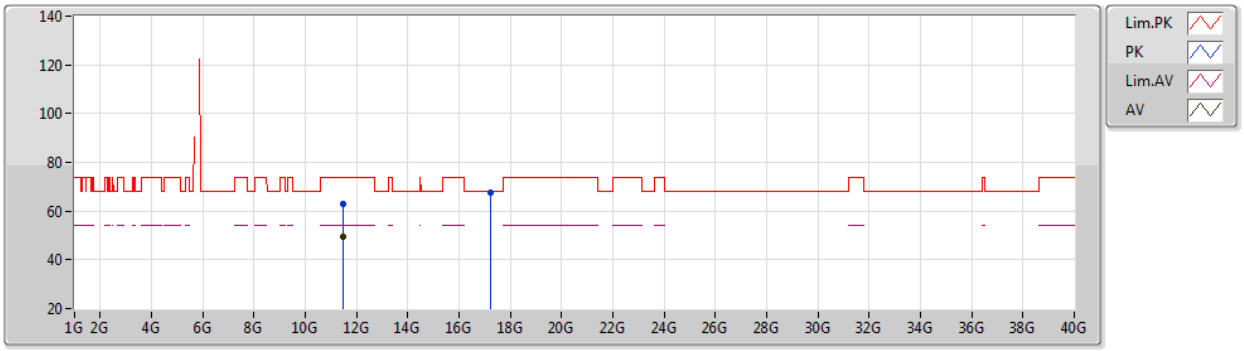
EUT Y_2TX
Setting 25
02-D-S-5

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	11.49008G	59.47	74.00	-14.53	43.43	3	Vertical	333	1.89	-	38.79	8.85	31.60
AV	11.49016G	46.08	54.00	-7.92	30.04	3	Vertical	333	1.89	-	38.79	8.85	31.60
PK	17.24204G	65.48	68.20	-2.72	44.66	3	Vertical	15	1.80	-	42.48	10.15	31.81

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

18/02/2020



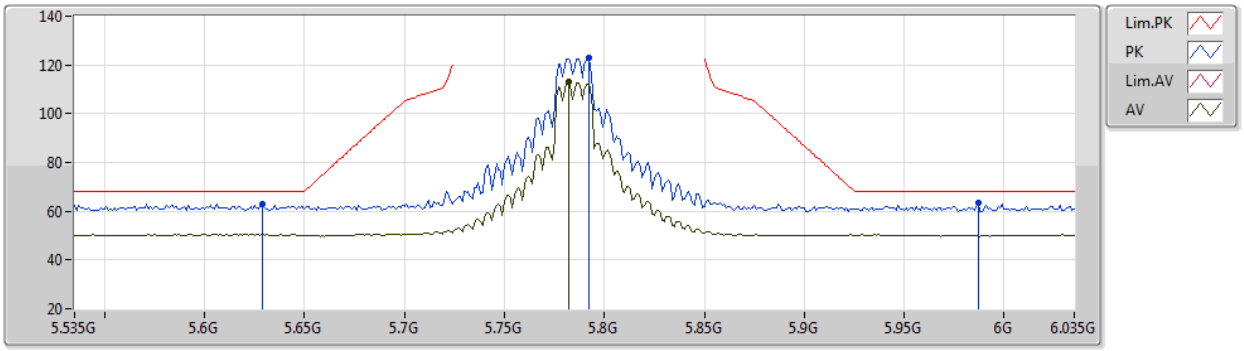
EUT Y_2TX
Setting 25
02-D-S-5

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	11.49072G	62.73	74.00	-11.27	46.69	3	Horizontal	38	2.82	-	38.79	8.85	31.60
AV	11.49008G	49.48	54.00	-4.52	33.44	3	Horizontal	38	2.82	-	38.79	8.85	31.60
PK	17.23136G	67.56	68.20	-0.64	46.78	3	Horizontal	56	1.59	-	42.43	10.15	31.80

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

18/02/2020



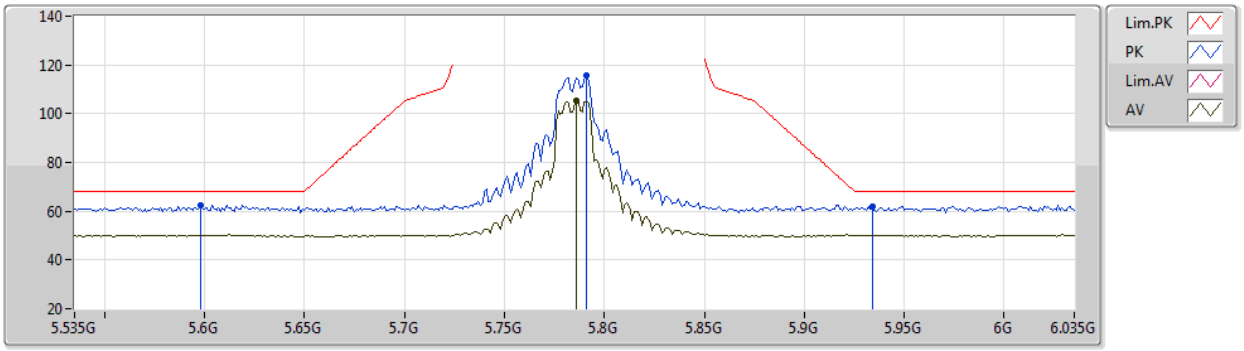
EUT Y_2TX
Setting 26.5
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.629G	62.98	68.20	-5.22	53.27	3	Vertical	223	2.10	-	33.94	6.31	30.54
PK	5.792G	122.72	Inf	-Inf	113.10	3	Vertical	223	2.10	-	33.80	6.40	30.58
AV	5.782G	112.94	Inf	-Inf	103.33	3	Vertical	223	2.10	-	33.80	6.39	30.58
PK	5.987G	63.32	68.20	-4.88	53.47	3	Vertical	223	2.10	-	34.17	6.31	30.63

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

18/02/2020



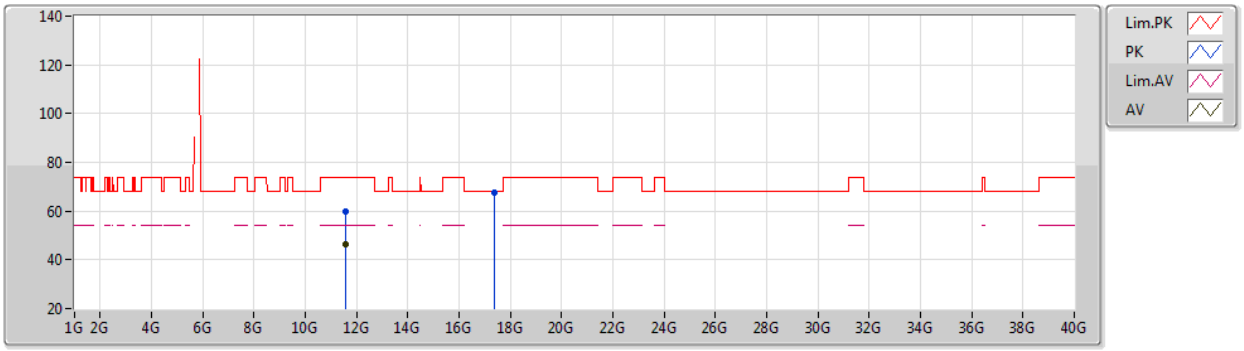
EUT Y_2TX
Setting 26.5
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.598G	62.56	68.20	-5.64	52.79	3	Horizontal	120	2.20	-	34.00	6.30	30.53
PK	5.791G	115.55	Inf	-Inf	105.93	3	Horizontal	120	2.20	-	33.80	6.40	30.58
AV	5.786G	105.34	Inf	-Inf	95.73	3	Horizontal	120	2.20	-	33.80	6.39	30.58
PK	5.934G	61.83	68.20	-6.37	52.05	3	Horizontal	120	2.20	-	34.07	6.33	30.62

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

18/02/2020



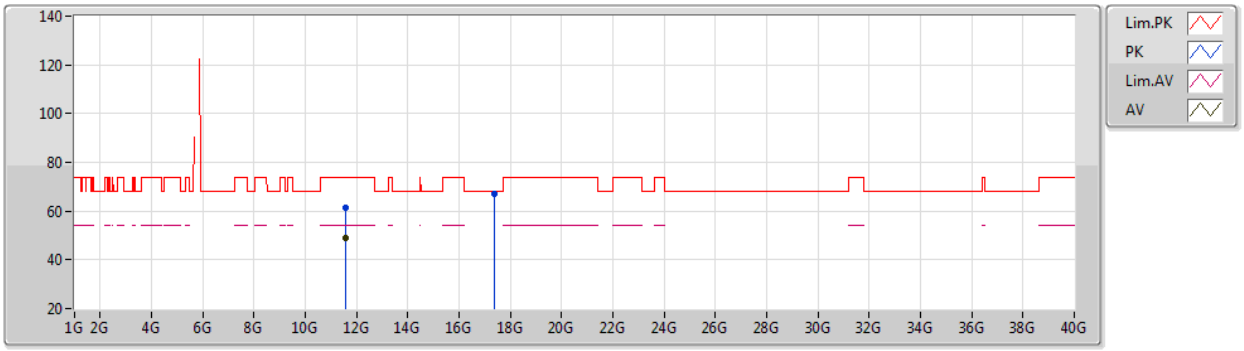
EUT Y_2TX
Setting 26.5
02-D-S-5

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	11.57056G	59.70	74.00	-14.30	43.59	3	Vertical	334	1.89	-	38.86	8.88	31.63
AV	11.57096G	46.17	54.00	-7.83	30.06	3	Vertical	334	1.89	-	38.86	8.88	31.63
PK	17.3626G	67.67	68.20	-0.53	46.17	3	Vertical	15	2.85	-	43.12	10.22	31.84

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

18/02/2020



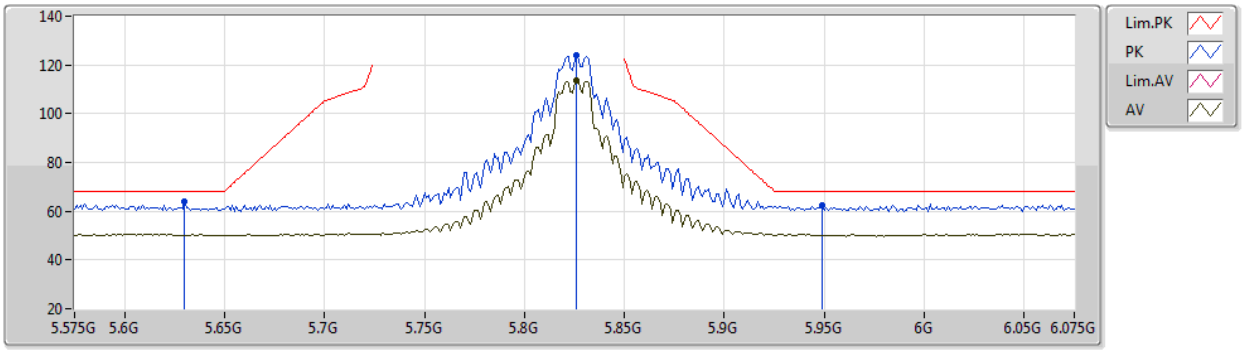
EUT Y_2TX
Setting 26.5
02-D-S-5

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	11.57068G	61.28	74.00	-12.72	45.17	3	Horizontal	36	1.90	-	38.86	8.88	31.63
AV	11.57004G	49.11	54.00	-4.89	33.00	3	Horizontal	36	1.90	-	38.86	8.88	31.63
PK	17.35316G	67.20	68.20	-1.00	45.75	3	Horizontal	56	1.45	-	43.07	10.22	31.84

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

18/02/2020



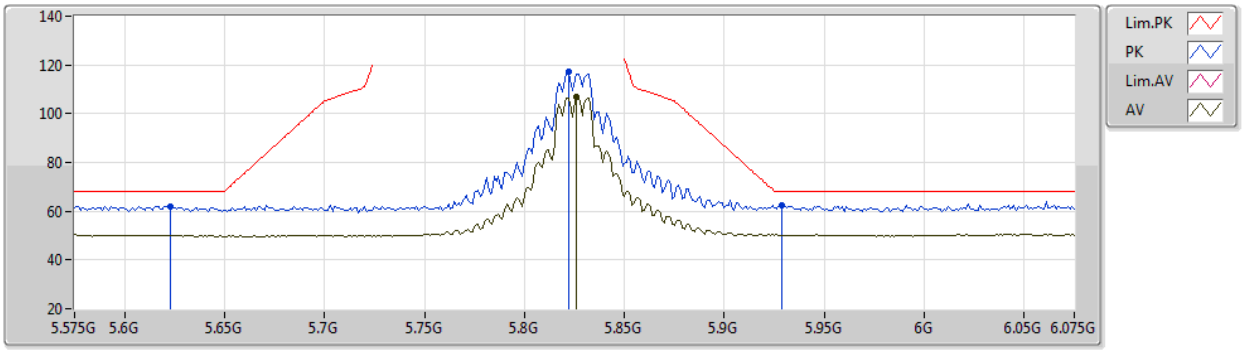
EUT Y_2TX
Setting 26
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.63G	63.88	68.20	-4.32	54.17	3	Vertical	229	2.06	-	33.94	6.31	30.54
PK	5.826G	123.86	Inf	-Inf	114.21	3	Vertical	229	2.06	-	33.85	6.39	30.59
AV	5.826G	113.70	Inf	-Inf	104.05	3	Vertical	229	2.06	-	33.85	6.39	30.59
PK	5.949G	62.22	68.20	-5.98	52.41	3	Vertical	229	2.06	-	34.10	6.33	30.62

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

18/02/2020



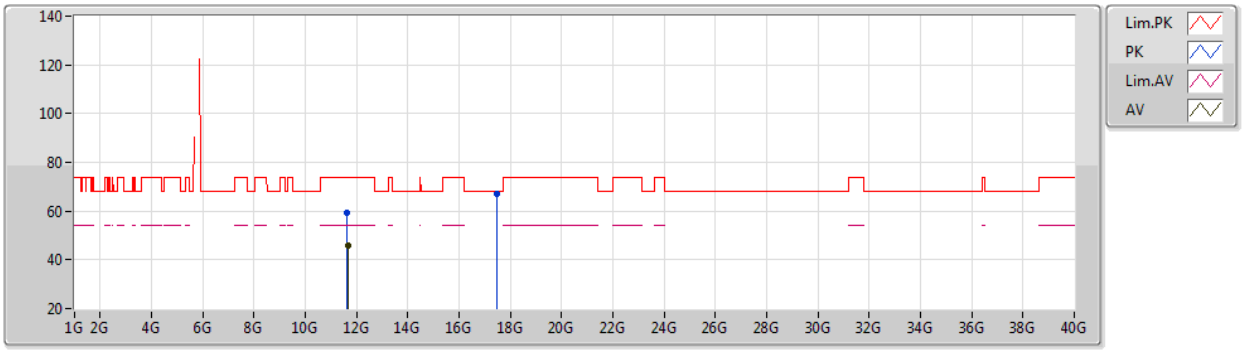
EUT Y_2TX
Setting 26
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.623G	62.15	68.20	-6.05	52.43	3	Horizontal	313	1.95	-	33.95	6.31	30.54
PK	5.822G	116.99	Inf	-Inf	107.35	3	Horizontal	313	1.95	-	33.84	6.39	30.59
AV	5.826G	106.90	Inf	-Inf	97.25	3	Horizontal	313	1.95	-	33.85	6.39	30.59
PK	5.929G	62.38	68.20	-5.82	52.60	3	Horizontal	313	1.95	-	34.06	6.34	30.62

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

18/02/2020



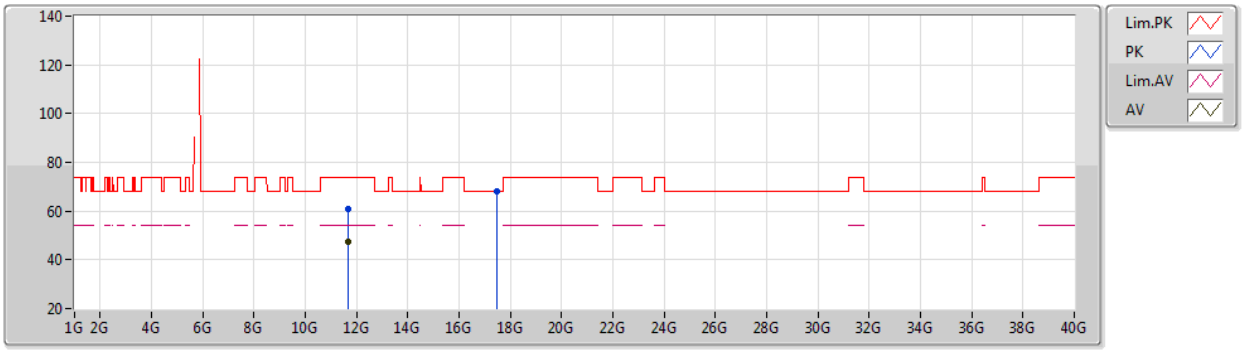
EUT Y_2TX
Setting 26
02-D-S-5

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	11.6452G	59.47	74.00	-14.53	43.30	3	Vertical	333	1.83	-	38.92	8.90	31.65
AV	11.651G	46.05	54.00	-7.95	29.88	3	Vertical	333	1.83	-	38.92	8.90	31.65
PK	17.47328G	67.06	68.20	-1.14	44.93	3	Vertical	339	2.94	-	43.71	10.29	31.87

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

18/02/2020



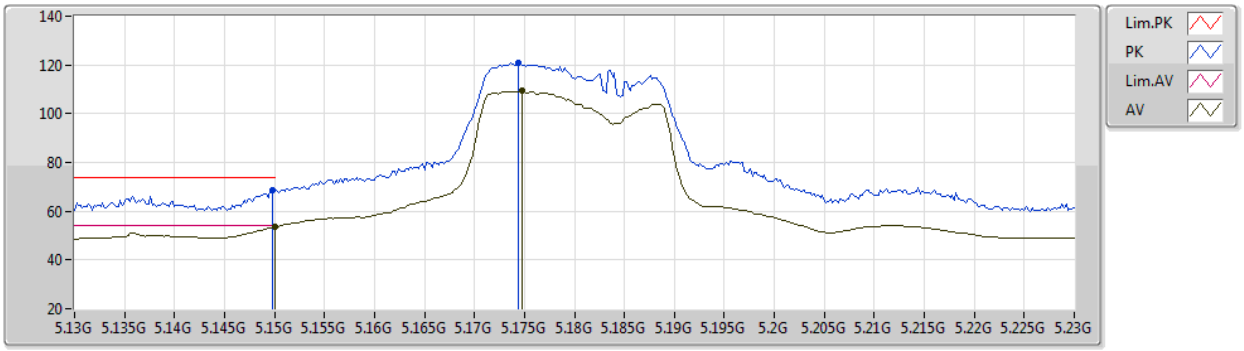
EUT Y_2TX
Setting 26
02-D-S-5

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	11.65028G	60.61	74.00	-13.39	44.44	3	Horizontal	38	1.84	-	38.92	8.90	31.65
AV	11.64992G	47.34	54.00	-6.66	31.17	3	Horizontal	38	1.84	-	38.92	8.90	31.65
PK	17.47292G	68.11	68.20	-0.09	45.98	3	Horizontal	1	1.66	-	43.71	10.29	31.87

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

18/02/2020



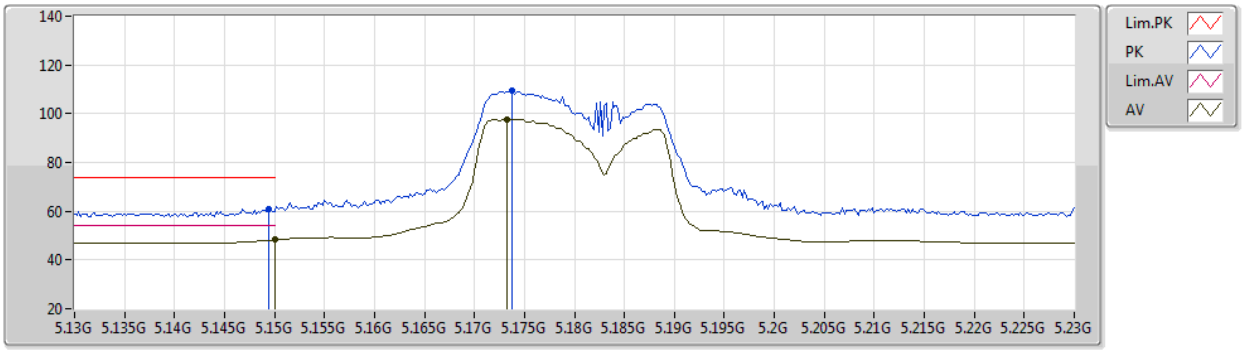
EUT Y_2TX
Setting 19.5
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1498G	68.71	74.00	-5.29	59.57	3	Vertical	220	2.17	-	33.55	5.97	30.38
AV	5.15G	53.56	54.00	-0.44	44.42	3	Vertical	220	2.17	-	33.55	5.97	30.38
PK	5.1744G	120.80	Inf	-Inf	111.63	3	Vertical	220	2.17	-	33.57	5.99	30.39
AV	5.1748G	109.24	Inf	-Inf	100.07	3	Vertical	220	2.17	-	33.57	5.99	30.39

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

18/02/2020



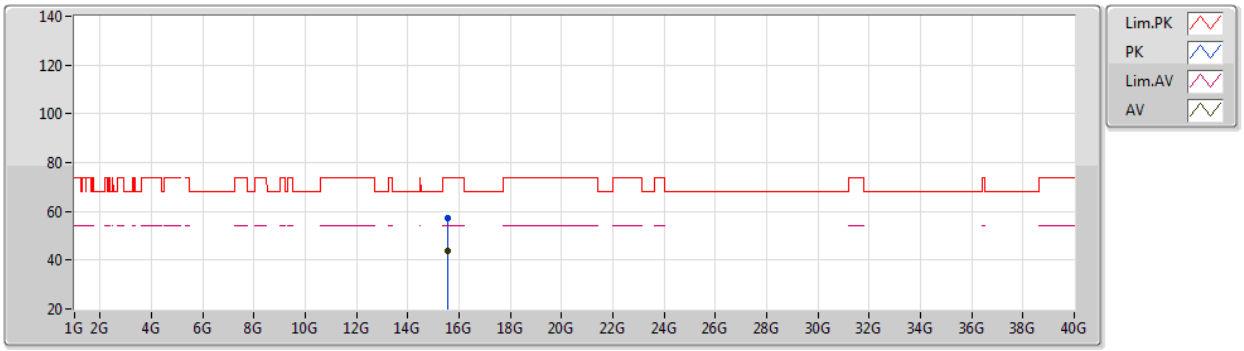
EUT Y_2TX
Setting 19.5
02-D-L-3-10

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	5.1494G	61.03	74.00	-12.97	51.89	3	Horizontal	135	2.63	-	33.55	5.97	30.38
AV	5.15G	48.19	54.00	-5.81	39.05	3	Horizontal	135	2.63	-	33.55	5.97	30.38
PK	5.1738G	109.42	Inf	-Inf	100.25	3	Horizontal	135	2.63	-	33.57	5.99	30.39
AV	5.1732G	97.83	Inf	-Inf	88.66	3	Horizontal	135	2.63	-	33.57	5.99	30.39

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

18/02/2020



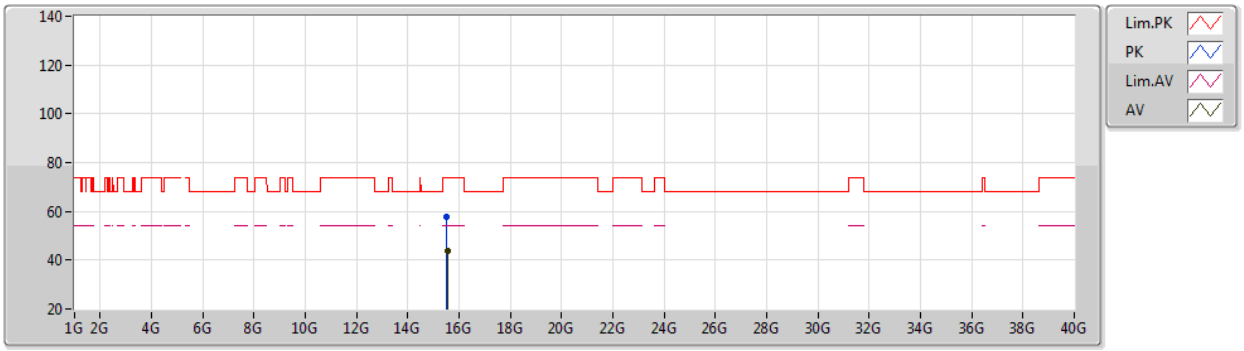
EUT Y_2TX
Setting 19.5
02-D-S-5

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	15.53472G	57.32	74.00	-16.68	41.30	3	Vertical	333	2.50	-	38.75	9.25	31.98
AV	15.54628G	43.68	54.00	-10.32	27.69	3	Vertical	333	2.50	-	38.72	9.25	31.98

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

18/02/2020



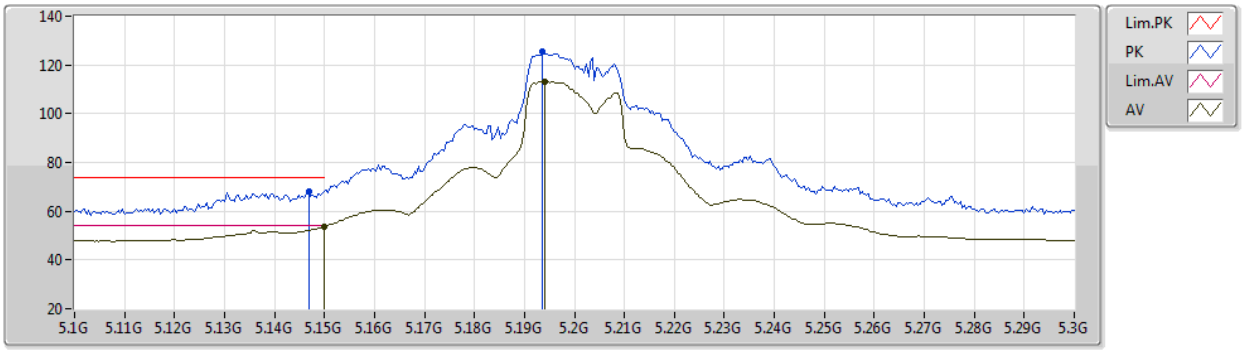
EUT Y_2TX
Setting 19.5
02-D-S-5

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	15.5304G	58.00	74.00	-16.00	41.97	3	Horizontal	116	2.22	-	38.76	9.25	31.98
AV	15.54532G	43.64	54.00	-10.36	27.65	3	Horizontal	116	2.22	-	38.72	9.25	31.98

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

18/02/2020



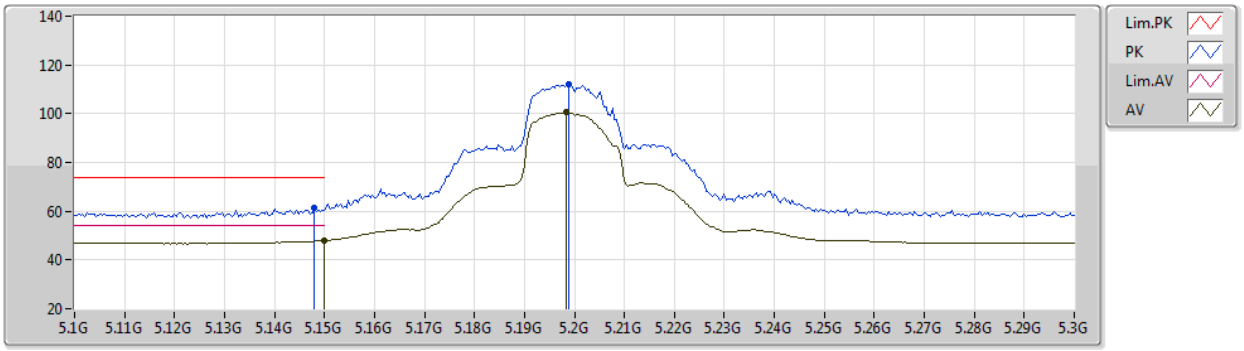
EUT Y_2TX
Setting 24.5
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1468G	68.29	74.00	-5.71	59.15	3	Vertical	221	2.42	-	33.55	5.97	30.38
AV	5.15G	53.64	54.00	-0.36	44.50	3	Vertical	221	2.42	-	33.55	5.97	30.38
PK	5.1936G	125.33	Inf	-Inf	116.14	3	Vertical	221	2.42	-	33.59	6.00	30.40
AV	5.194G	113.31	Inf	-Inf	104.12	3	Vertical	221	2.42	-	33.59	6.00	30.40

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

18/02/2020



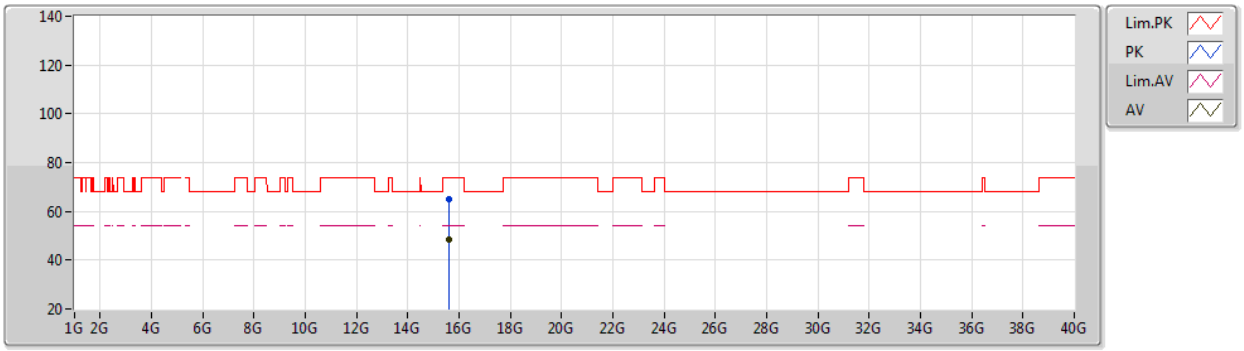
EUT Y_2TX
Setting 24.5
02-D-L-3-10

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	61.39	74.00	-12.61	52.25	3	Horizontal	273	2.08	-	33.55	5.97	30.38
AV	5.15G	48.01	54.00	-5.99	38.87	3	Horizontal	273	2.08	-	33.55	5.97	30.38
PK	5.1988G	111.90	Inf	-Inf	102.70	3	Horizontal	273	2.08	-	33.60	6.00	30.40
AV	5.1984G	100.51	Inf	-Inf	91.31	3	Horizontal	273	2.08	-	33.60	6.00	30.40

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

18/02/2020



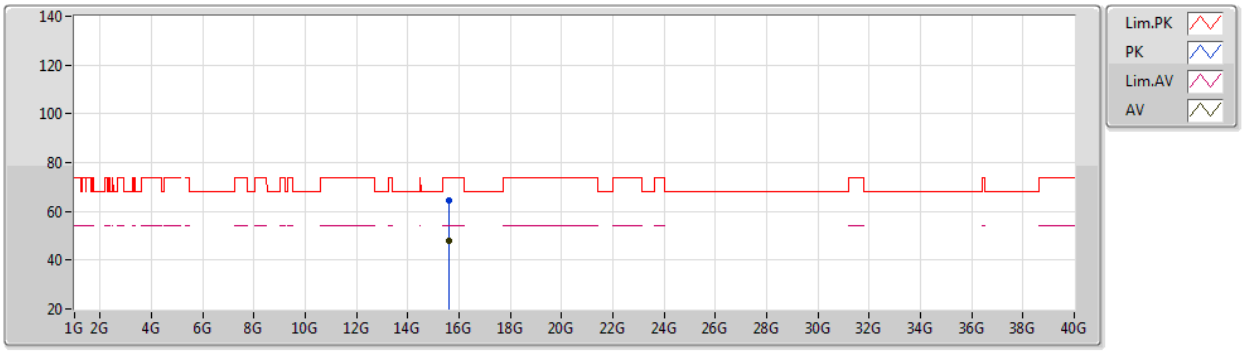
EUT Y_2TX
Setting 24.5
02-D-S-5

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	15.59104G	65.24	74.00	-8.76	49.37	3	Vertical	6	1.80	-	38.59	9.27	31.99
AV	15.59244G	48.64	54.00	-5.36	32.78	3	Vertical	6	1.80	-	38.58	9.27	31.99

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

18/02/2020



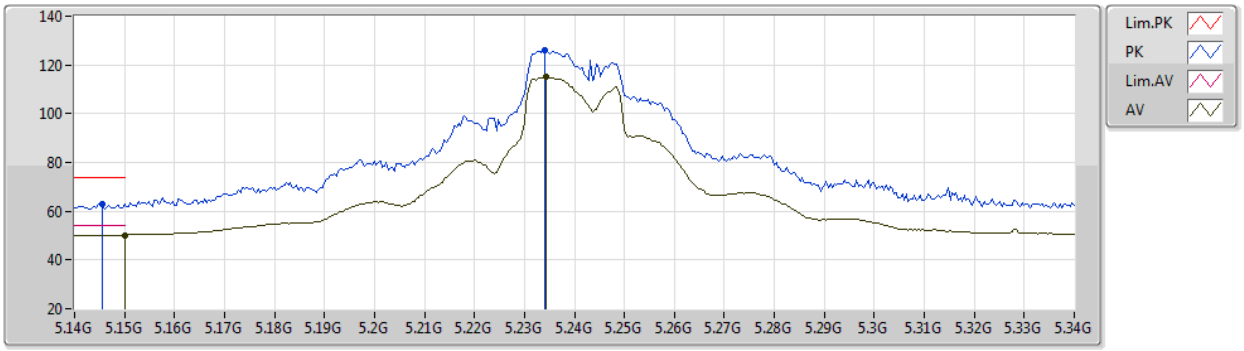
EUT Y_2TX
Setting 24.5
02-D-S-5

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	15.5914G	64.45	74.00	-9.55	48.59	3	Horizontal	325	1.81	-	38.58	9.27	31.99
AV	15.59228G	47.71	54.00	-6.29	31.85	3	Horizontal	325	1.81	-	38.58	9.27	31.99

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

18/02/2020



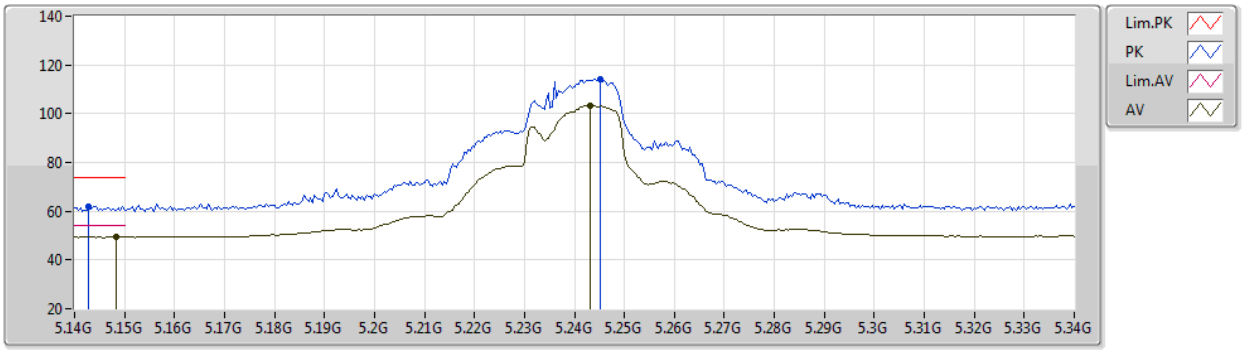
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1456G	63.02	74.00	-10.98	53.88	3	Vertical	222	2.23	-	33.55	5.97	30.38
AV	5.15G	50.21	54.00	-3.79	41.07	3	Vertical	222	2.23	-	33.55	5.97	30.38
PK	5.234G	126.11	Inf	-Inf	116.83	3	Vertical	222	2.23	-	33.67	6.02	30.41
AV	5.2344G	114.96	Inf	-Inf	105.68	3	Vertical	222	2.23	-	33.67	6.02	30.41

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

18/02/2020



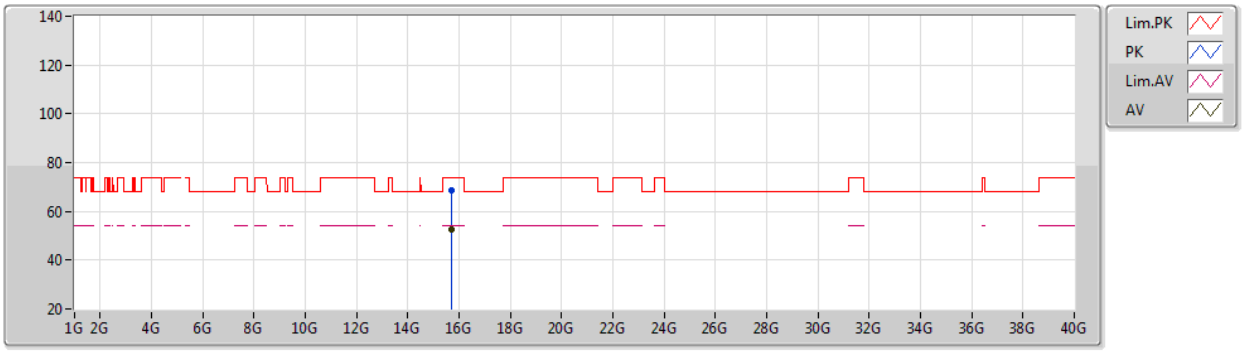
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1428G	61.93	74.00	-12.07	52.80	3	Horizontal	290	2.82	-	33.54	5.97	30.38
AV	5.1484G	49.42	54.00	-4.58	40.28	3	Horizontal	290	2.82	-	33.55	5.97	30.38
PK	5.2452G	114.38	Inf	-Inf	105.09	3	Horizontal	290	2.82	-	33.69	6.02	30.42
AV	5.2432G	103.47	Inf	-Inf	94.18	3	Horizontal	290	2.82	-	33.69	6.02	30.42

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

18/02/2020



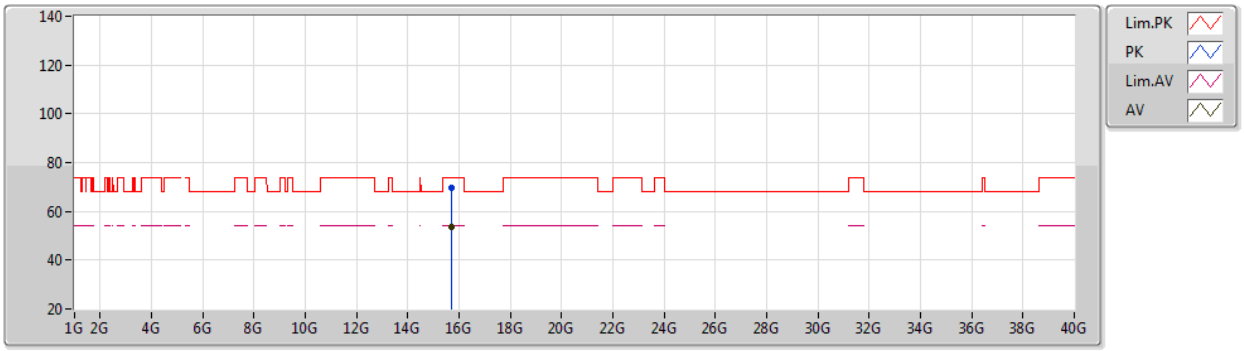
EUT Y_2TX
Setting 25
02-D-S-5

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	15.71432G	68.50	74.00	-5.50	52.98	3	Vertical	7	1.46	-	38.23	9.31	32.02
AV	15.71564G	52.48	54.00	-1.52	36.97	3	Vertical	7	1.46	-	38.22	9.31	32.02

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

18/02/2020



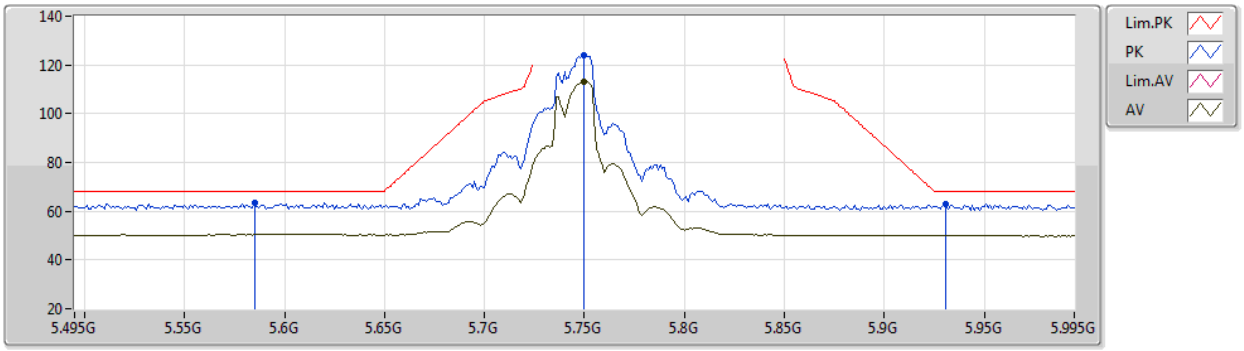
EUT Y_2TX
Setting 25
02-D-S-5

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	15.71584G	69.46	74.00	-4.54	53.95	3	Horizontal	322	2.20	-	38.22	9.31	32.02
AV	15.71552G	53.64	54.00	-0.36	38.13	3	Horizontal	322	2.20	-	38.22	9.31	32.02

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

18/02/2020



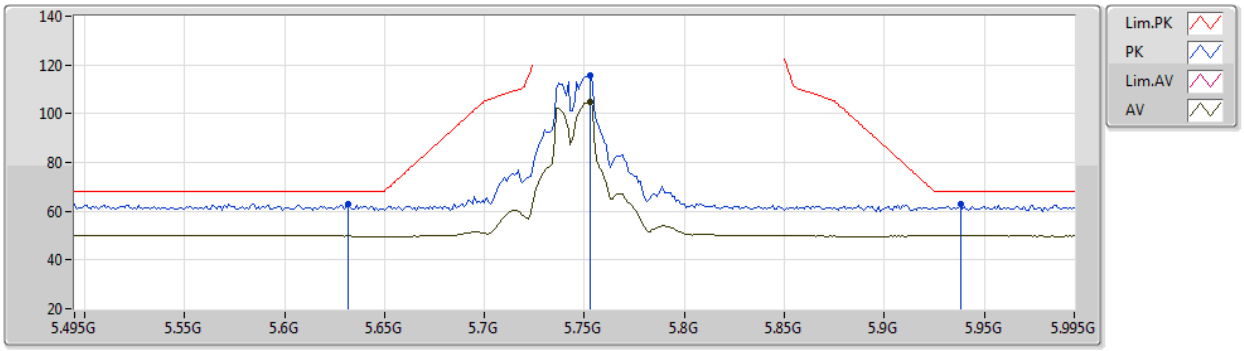
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.585G	63.41	68.20	-4.79	53.67	3	Vertical	228	2.02	-	33.98	6.29	30.53
PK	5.75G	124.03	Inf	-Inf	114.43	3	Vertical	228	2.02	-	33.80	6.37	30.57
AV	5.75G	113.22	Inf	-Inf	103.62	3	Vertical	228	2.02	-	33.80	6.37	30.57
PK	5.931G	63.00	68.20	-5.20	53.23	3	Vertical	228	2.02	-	34.06	6.33	30.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

18/02/2020



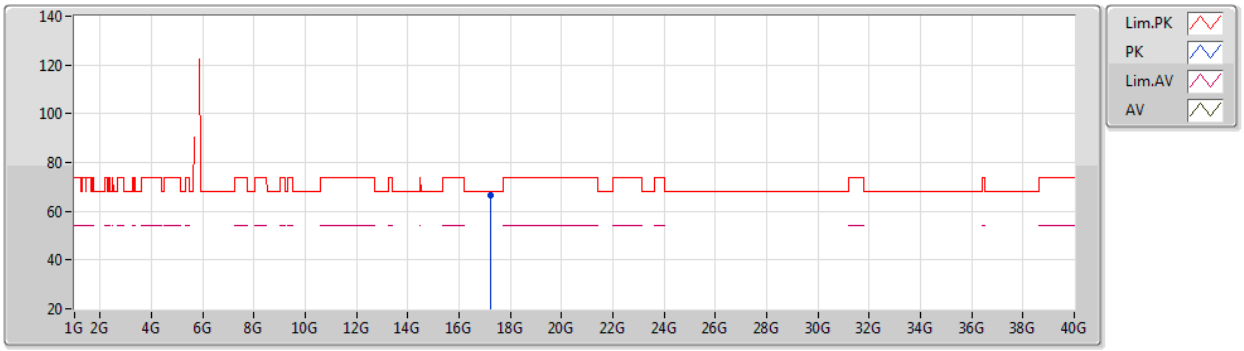
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.632G	62.95	68.20	-5.25	53.23	3	Horizontal	313	2.48	-	33.94	6.32	30.54
PK	5.753G	115.65	Inf	-Inf	106.04	3	Horizontal	313	2.48	-	33.80	6.38	30.57
AV	5.753G	104.76	Inf	-Inf	95.15	3	Horizontal	313	2.48	-	33.80	6.38	30.57
PK	5.938G	62.77	68.20	-5.43	52.98	3	Horizontal	313	2.48	-	34.08	6.33	30.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

18/02/2020



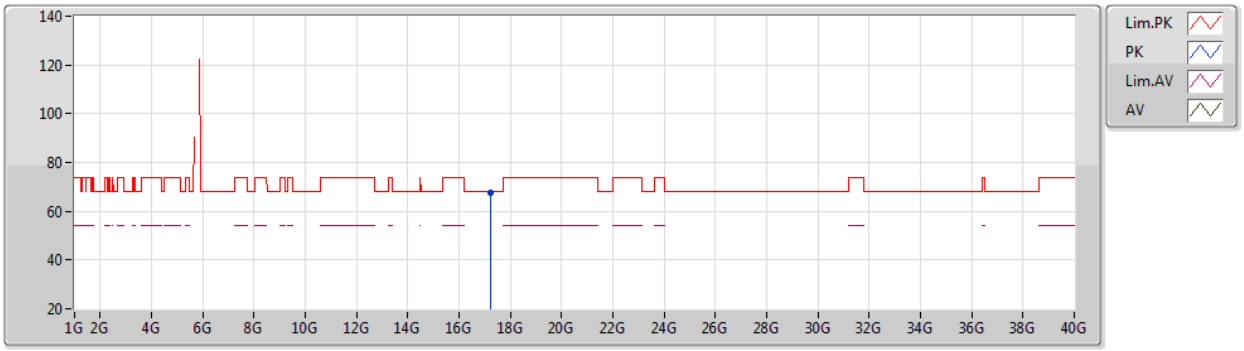
EUT Y_2TX
Setting 25
02-D-S-5

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	17.22512G	66.73	68.20	-1.47	46.00	3	Vertical	18	2.49	-	42.39	10.14	31.80

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

18/02/2020



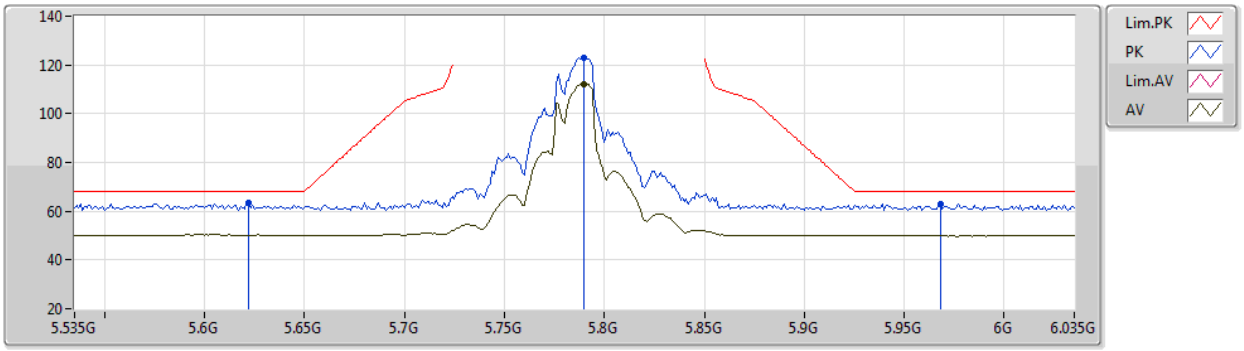
EUT Y_2TX
Setting 25
02-D-S-5

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	17.22504G	67.76	68.20	-0.44	47.03	3	Horizontal	57	1.51	-	42.39	10.14	31.80

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

18/02/2020



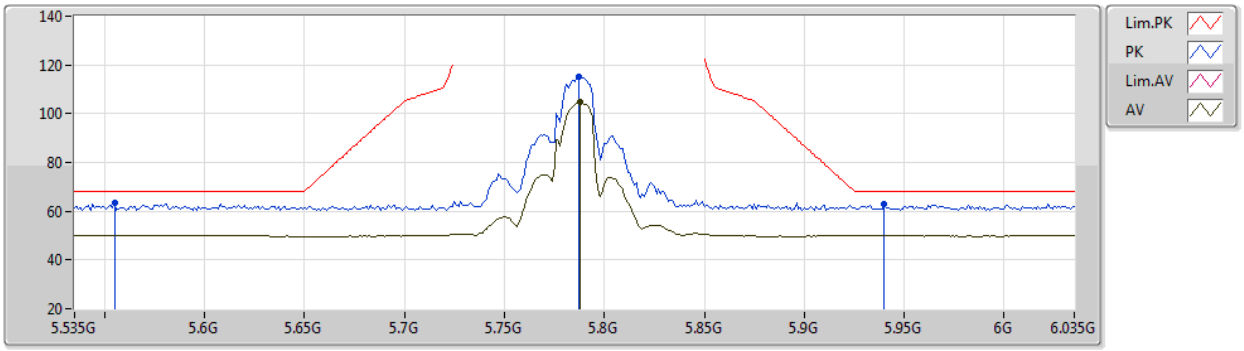
EUT Y_2TX
Setting 26.5
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.622G	63.39	68.20	-4.81	53.66	3	Vertical	227	2.18	-	33.96	6.31	30.54
PK	5.79G	123.18	Inf	-Inf	113.56	3	Vertical	227	2.18	-	33.80	6.40	30.58
AV	5.79G	112.24	Inf	-Inf	102.62	3	Vertical	227	2.18	-	33.80	6.40	30.58
PK	5.968G	62.70	68.20	-5.50	52.86	3	Vertical	227	2.18	-	34.14	6.32	30.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

18/02/2020



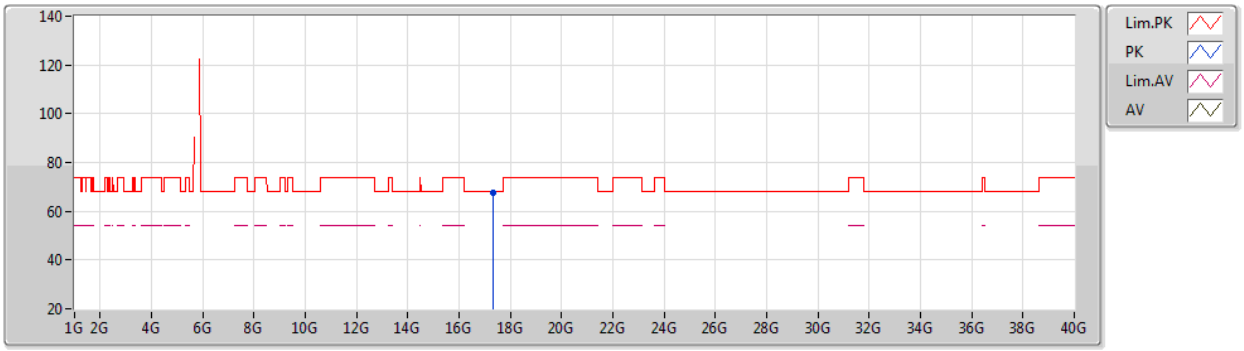
EUT Y_2TX
Setting 26.5
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.555G	63.20	68.20	-5.00	53.51	3	Horizontal	123	2.26	-	33.95	6.26	30.52
PK	5.787G	115.18	Inf	-Inf	105.57	3	Horizontal	123	2.26	-	33.80	6.39	30.58
AV	5.788G	104.77	Inf	-Inf	95.16	3	Horizontal	123	2.26	-	33.80	6.39	30.58
PK	5.94G	63.13	68.20	-5.07	53.34	3	Horizontal	123	2.26	-	34.08	6.33	30.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

18/02/2020



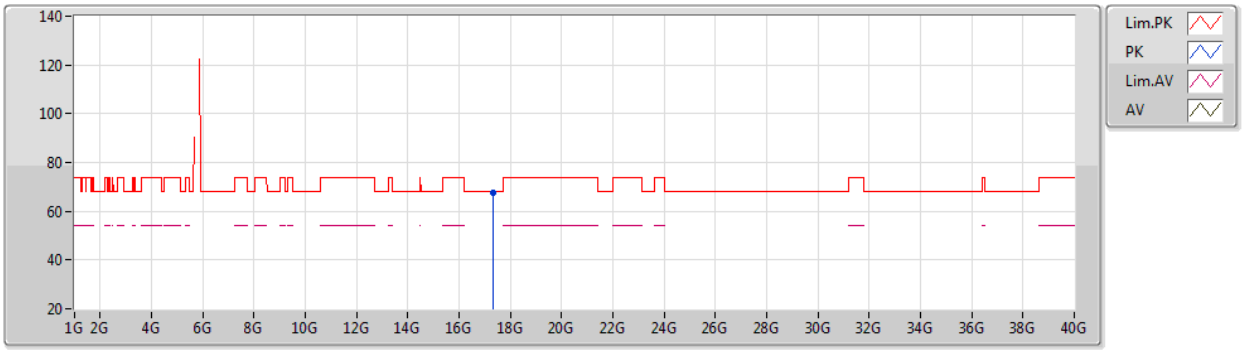
EUT Y_2TX
Setting 26.5
02-D-S-5

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	17.34608G	67.36	68.20	-0.84	45.96	3	Vertical	13	2.89	-	43.03	10.21	31.84

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

18/02/2020



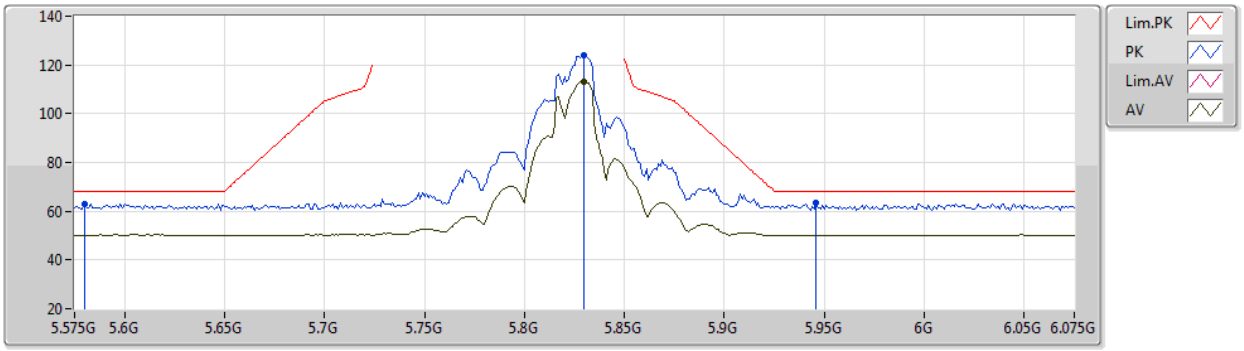
EUT Y_2TX
Setting 26.5
02-D-S-5

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	17.34908G	67.47	68.20	-0.73	46.04	3	Horizontal	293	1.73	-	43.05	10.22	31.84

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

18/02/2020



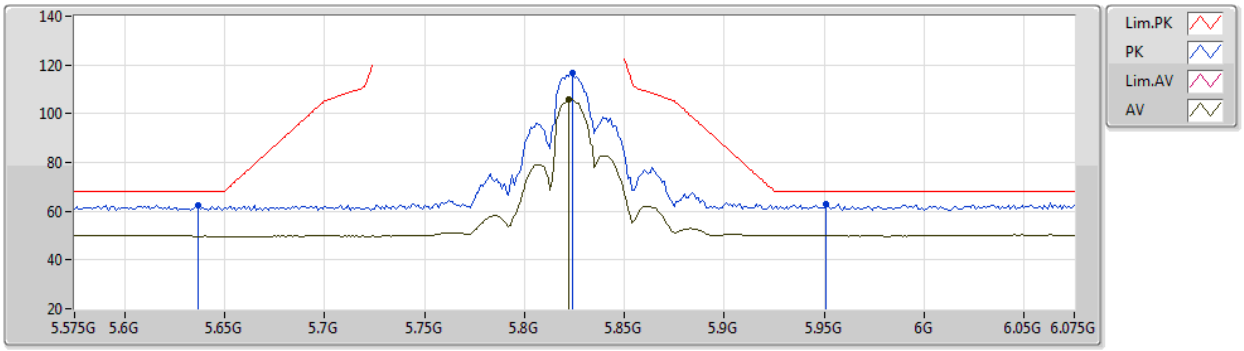
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.58G	62.99	68.20	-5.21	53.26	3	Vertical	226	2.07	-	33.98	6.28	30.53
PK	5.83G	123.78	Inf	-Inf	114.12	3	Vertical	226	2.07	-	33.86	6.39	30.59
AV	5.83G	112.92	Inf	-Inf	103.26	3	Vertical	226	2.07	-	33.86	6.39	30.59
PK	5.946G	63.23	68.20	-4.97	53.43	3	Vertical	226	2.07	-	34.09	6.33	30.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

18/02/2020



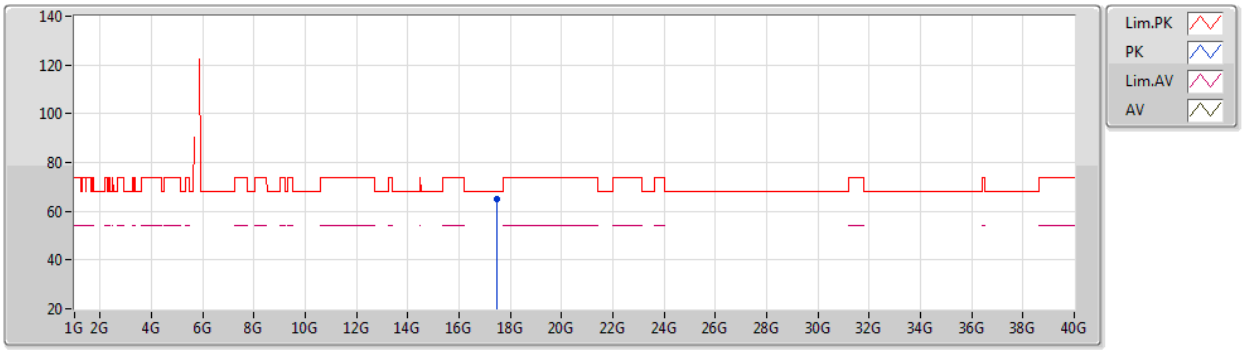
EUT Y_2TX
Setting 25
02-D-L-3-13

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.637G	62.39	68.20	-5.81	52.68	3	Horizontal	132	2.30	-	33.93	6.32	30.54
PK	5.824G	116.63	Inf	-Inf	106.98	3	Horizontal	132	2.30	-	33.85	6.39	30.59
AV	5.822G	105.81	Inf	-Inf	96.17	3	Horizontal	132	2.30	-	33.84	6.39	30.59
PK	5.951G	62.83	68.20	-5.37	53.03	3	Horizontal	132	2.30	-	34.10	6.32	30.62

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

18/02/2020



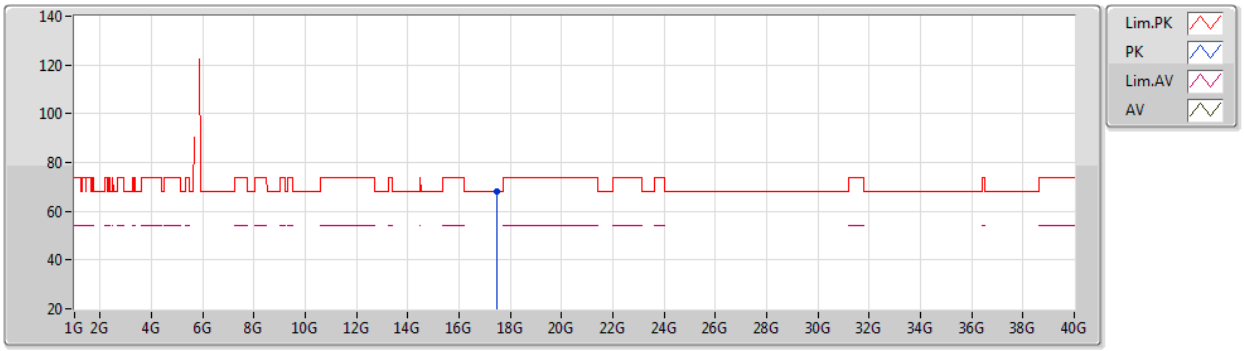
EUT Y_2TX
Setting 25
02-D-S-5

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	17.46932G	64.80	68.20	-3.40	42.69	3	Vertical	315	1.80	-	43.69	10.29	31.87

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

18/02/2020



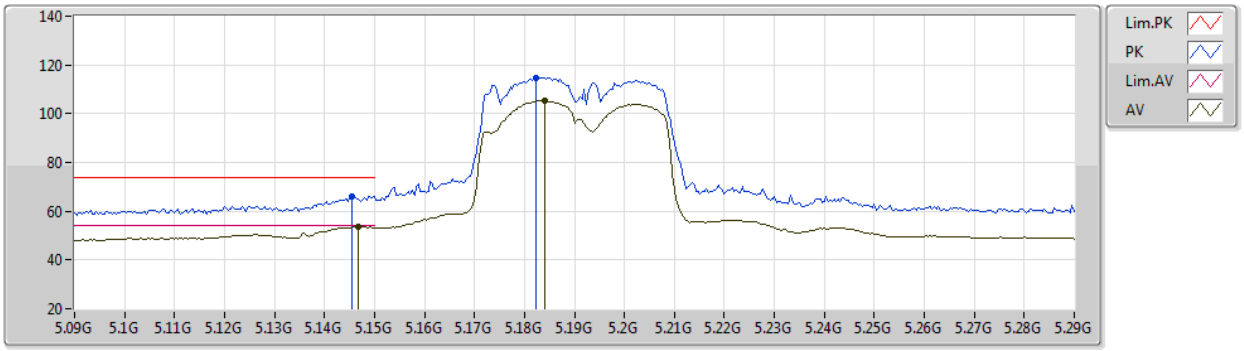
EUT Y_2TX
Setting 25
02-D-S-5

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	17.47188G	67.99	68.20	-0.21	45.87	3	Horizontal	0	2.17	-	43.70	10.29	31.87

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

18/02/2020



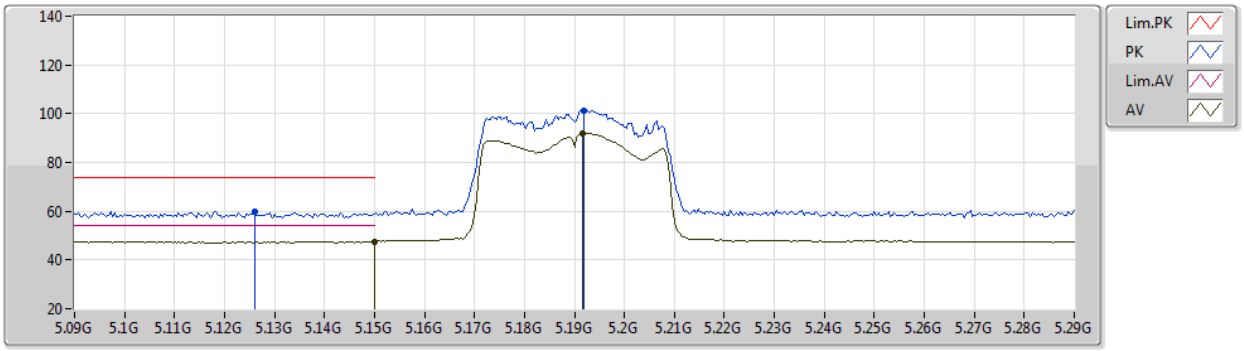
EUT Y_2TX
Setting 17
02-D-L-3-10

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	5.1456G	66.16	74.00	-7.84	57.02	3	Vertical	222	2.34	-	33.55	5.97	30.38
AV	5.1468G	53.67	54.00	-0.33	44.53	3	Vertical	222	2.34	-	33.55	5.97	30.38
PK	5.1824G	114.89	Inf	-Inf	105.71	3	Vertical	222	2.34	-	33.58	5.99	30.39
AV	5.184G	105.33	Inf	-Inf	96.16	3	Vertical	222	2.34	-	33.58	5.99	30.40

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

18/02/2020



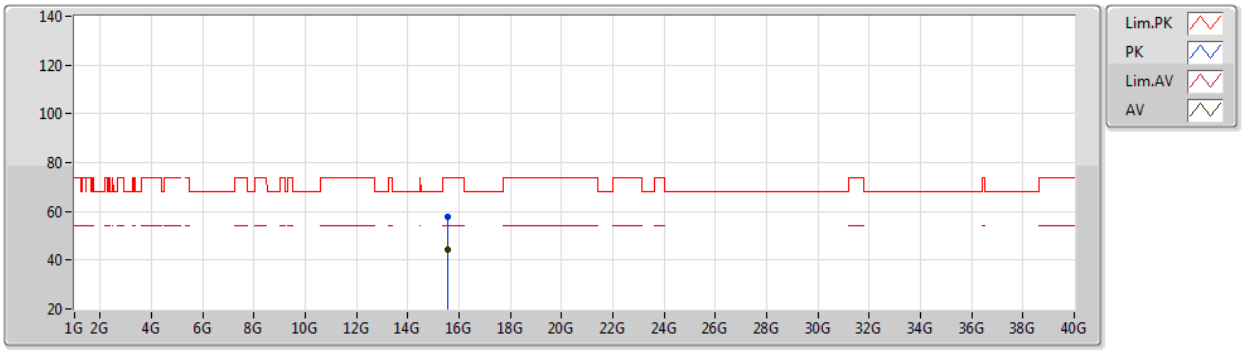
EUT Y_2TX
Setting 17
02-D-L-3-10

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	5.126G	59.99	74.00	-14.01	50.88	3	Horizontal	272	2.86	-	33.53	5.96	30.38
AV	5.15G	47.58	54.00	-6.42	38.44	3	Horizontal	272	2.86	-	33.55	5.97	30.38
PK	5.192G	101.25	Inf	-Inf	92.06	3	Horizontal	272	2.86	-	33.59	6.00	30.40
AV	5.1916G	92.06	Inf	-Inf	82.87	3	Horizontal	272	2.86	-	33.59	6.00	30.40

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

18/02/2020



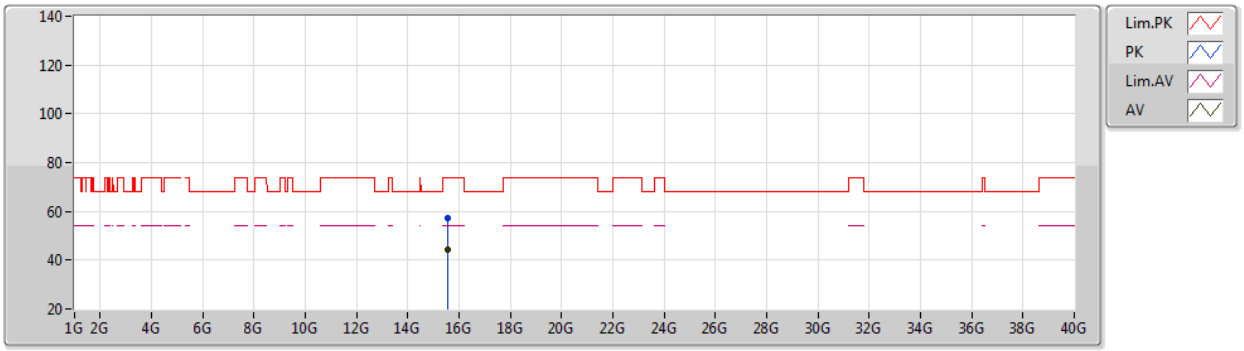
EUT Y_2TX
Setting 17
02-D-S-5

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	15.57196G	57.57	74.00	-16.43	41.66	3	Vertical	210	1.38	-	38.64	9.26	31.99
AV	15.56048G	44.56	54.00	-9.44	28.62	3	Vertical	210	1.38	-	38.67	9.25	31.98

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

18/02/2020



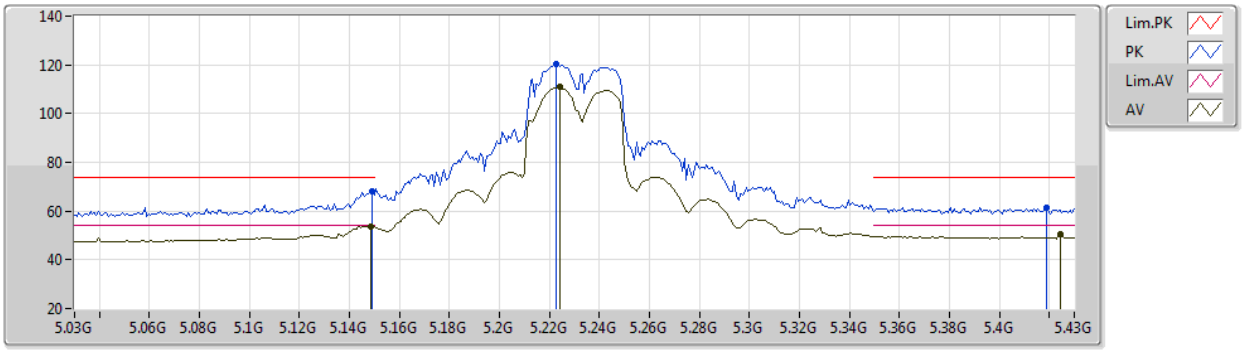
EUT Y_2TX
Setting 17
02-D-S-5

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	15.56852G	57.03	74.00	-16.97	41.11	3	Horizontal	139	2.96	-	38.65	9.26	31.99
AV	15.5712G	44.48	54.00	-9.52	28.57	3	Horizontal	139	2.96	-	38.64	9.26	31.99

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

18/02/2020



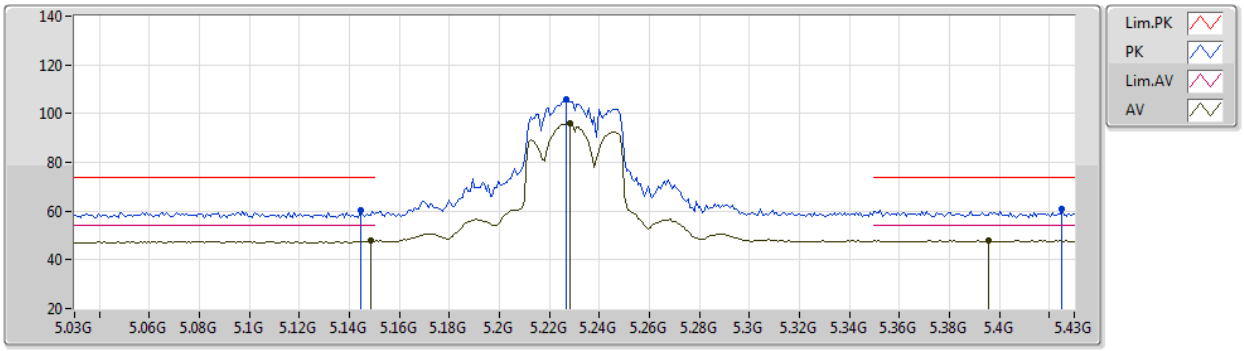
EUT Y_2TX
Setting 22
02-D-L-3-10

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	5.1492G	68.21	74.00	-5.79	59.07	3	Vertical	223	2.04	-	33.55	5.97	30.38
AV	5.1484G	53.80	54.00	-0.20	44.66	3	Vertical	223	2.04	-	33.55	5.97	30.38
PK	5.2228G	120.35	Inf	-Inf	111.10	3	Vertical	223	2.04	-	33.65	6.01	30.41
AV	5.2244G	110.84	Inf	-Inf	101.59	3	Vertical	223	2.04	-	33.65	6.01	30.41
PK	5.4188G	61.54	74.00	-12.46	52.00	3	Vertical	223	2.04	-	33.90	6.12	30.48
AV	5.4244G	50.62	54.00	-3.38	41.07	3	Vertical	223	2.04	-	33.90	6.13	30.48

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

18/02/2020



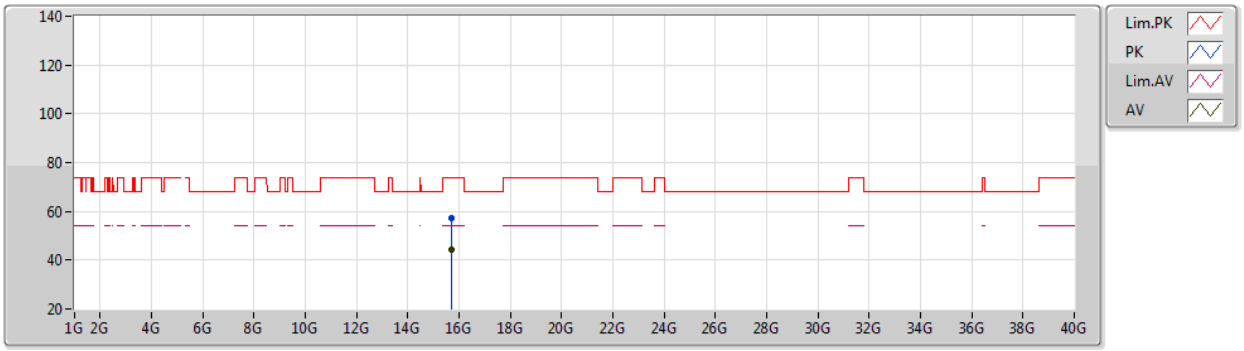
EUT Y_2TX
Setting 22
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.1444G	60.26	74.00	-13.74	51.13	3	Horizontal	161	1.68	-	33.54	5.97	30.38
AV	5.1484G	47.79	54.00	-6.21	38.65	3	Horizontal	161	1.68	-	33.55	5.97	30.38
PK	5.2268G	105.73	Inf	-Inf	96.48	3	Horizontal	161	1.68	-	33.65	6.01	30.41
AV	5.2284G	95.99	Inf	-Inf	86.73	3	Horizontal	161	1.68	-	33.66	6.01	30.41
PK	5.4252G	60.77	74.00	-13.23	51.22	3	Horizontal	161	1.68	-	33.90	6.13	30.48
AV	5.3956G	47.98	54.00	-6.02	38.45	3	Horizontal	161	1.68	-	33.90	6.10	30.47

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

18/02/2020



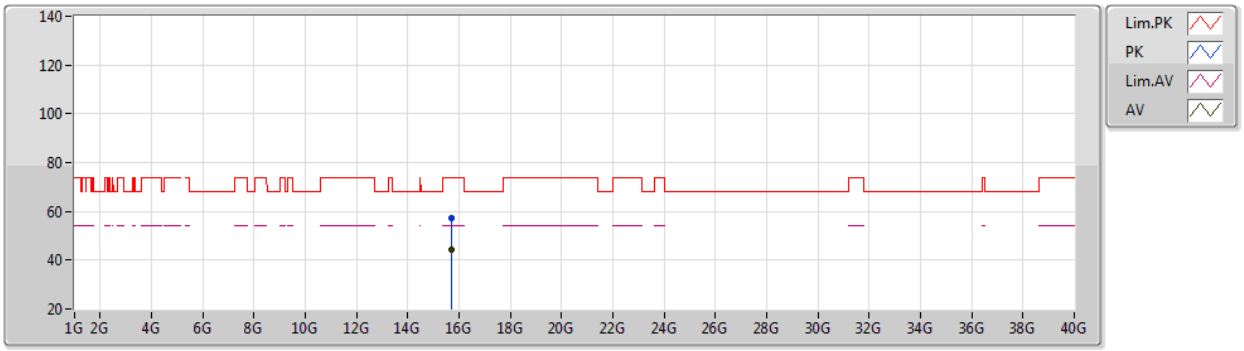
EUT Y_2TX
Setting 22
02-D-S-5

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	15.68924G	57.27	74.00	-16.73	41.68	3	Vertical	79	1.34	-	38.30	9.30	32.01
AV	15.6948G	44.43	54.00	-9.57	28.85	3	Vertical	79	1.34	-	38.29	9.30	32.01

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

18/02/2020



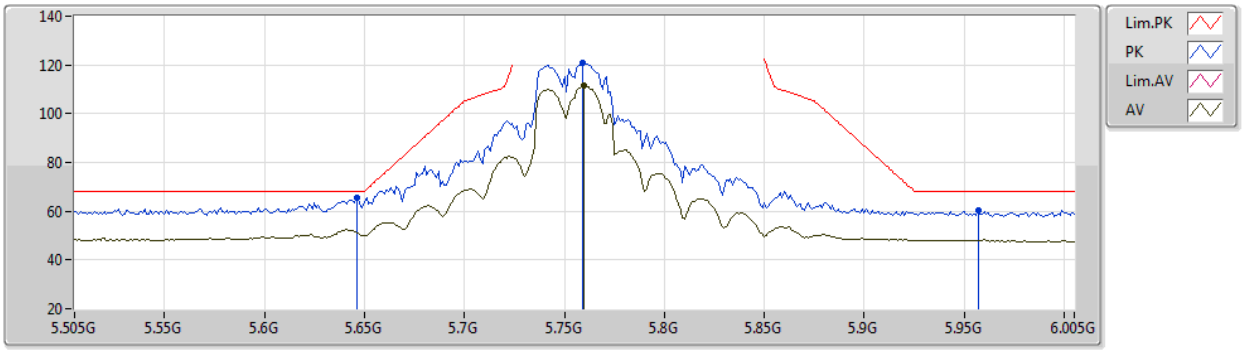
EUT Y_2TX
Setting 22
02-D-S-5

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	15.69412G	57.33	74.00	-16.67	41.75	3	Horizontal	268	1.42	-	38.29	9.30	32.01
AV	15.69296G	44.41	54.00	-9.59	28.83	3	Horizontal	268	1.42	-	38.29	9.30	32.01

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

18/02/2020



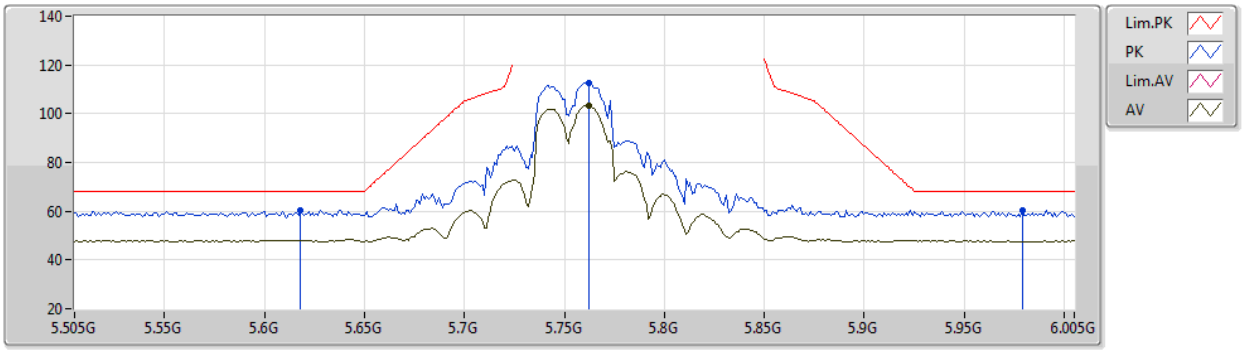
EUT Y_2TX
Setting 26.5
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.646G	65.49	68.20	-2.71	55.80	3	Vertical	227	2.03	-	33.91	6.32	30.54
PK	5.759G	120.72	Inf	-Inf	111.11	3	Vertical	227	2.03	-	33.80	6.38	30.57
AV	5.76G	111.32	Inf	-Inf	101.71	3	Vertical	227	2.03	-	33.80	6.38	30.57
PK	5.957G	60.45	68.20	-7.75	50.64	3	Vertical	227	2.03	-	34.11	6.32	30.62

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

18/02/2020



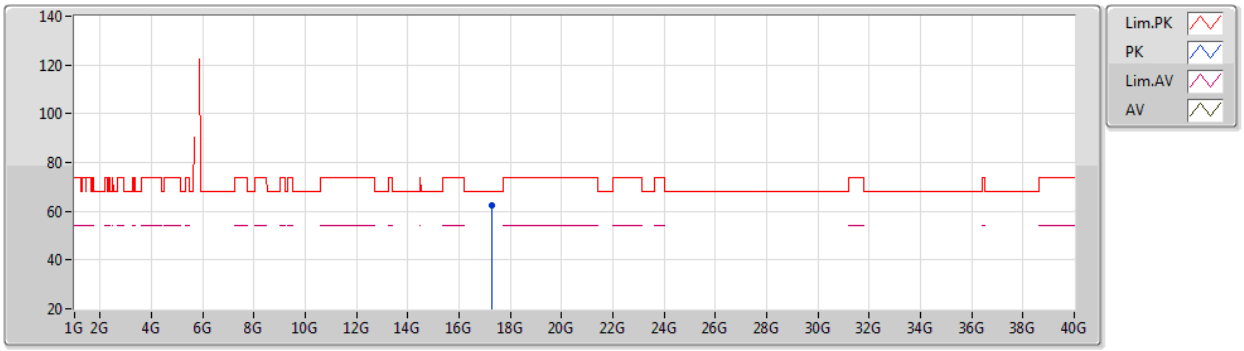
EUT Y_2TX
Setting 26.5
02-D-L-3-10

Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	5.618G	60.47	68.20	-7.73	50.74	3	Horizontal	313	2.15	-	33.96	6.31	30.54
PK	5.762G	112.69	Inf	-Inf	103.08	3	Horizontal	313	2.15	-	33.80	6.38	30.57
AV	5.762G	103.35	Inf	-Inf	93.74	3	Horizontal	313	2.15	-	33.80	6.38	30.57
PK	5.979G	60.13	68.20	-8.07	50.29	3	Horizontal	313	2.15	-	34.16	6.31	30.63

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

18/02/2020



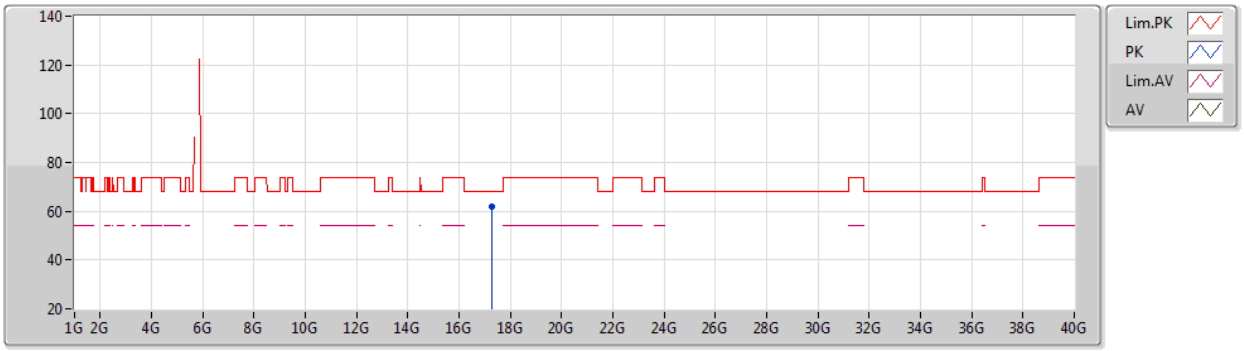
EUT Y_2TX
Setting 26.5
02-D-S-5

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	17.2564G	62.18	68.20	-6.02	41.27	3	Vertical	201	1.19	-	42.56	10.16	31.81

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

18/02/2020



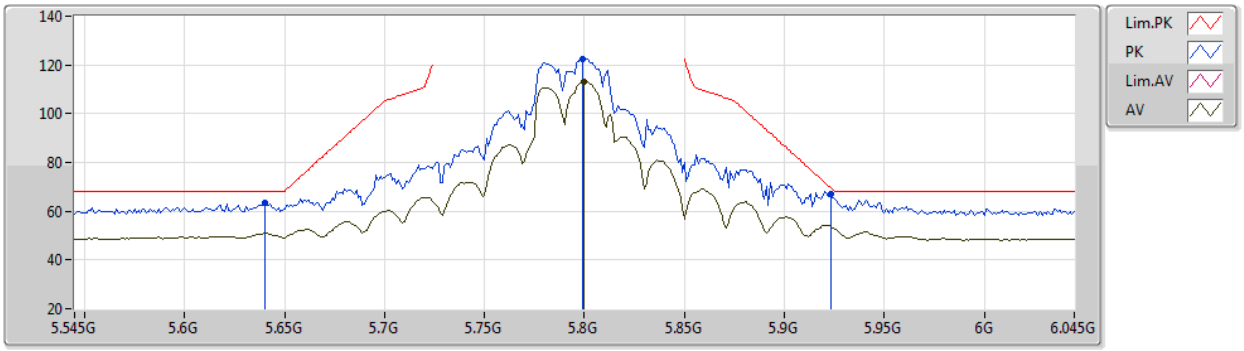
EUT Y_2TX
Setting 26.5
02-D-S-5

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	17.26616G	62.11	68.20	-6.09	41.14	3	Horizontal	167	2.21	-	42.61	10.17	31.81

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

18/02/2020



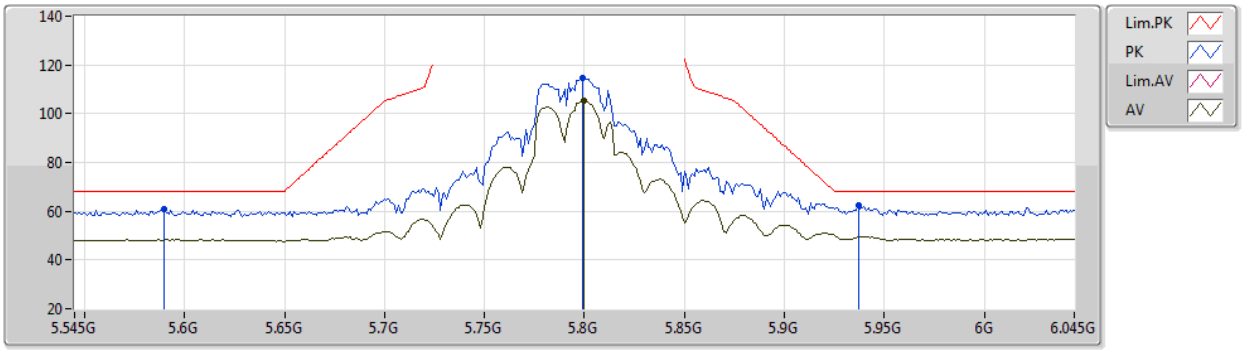
EUT Y_2TX
Setting 26.5
02-D-S-5-10

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	5.64G	63.65	68.20	-4.55	53.95	3	Vertical	226	2.17	-	33.92	6.32	30.54
PK	5.799G	122.55	Inf	-Inf	112.93	3	Vertical	226	2.17	-	33.80	6.40	30.58
AV	5.8G	113.00	Inf	-Inf	103.38	3	Vertical	226	2.17	-	33.80	6.40	30.58
PK	5.923G	66.98	69.68	-2.70	57.20	3	Vertical	226	2.17	-	34.05	6.34	30.61

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

18/02/2020



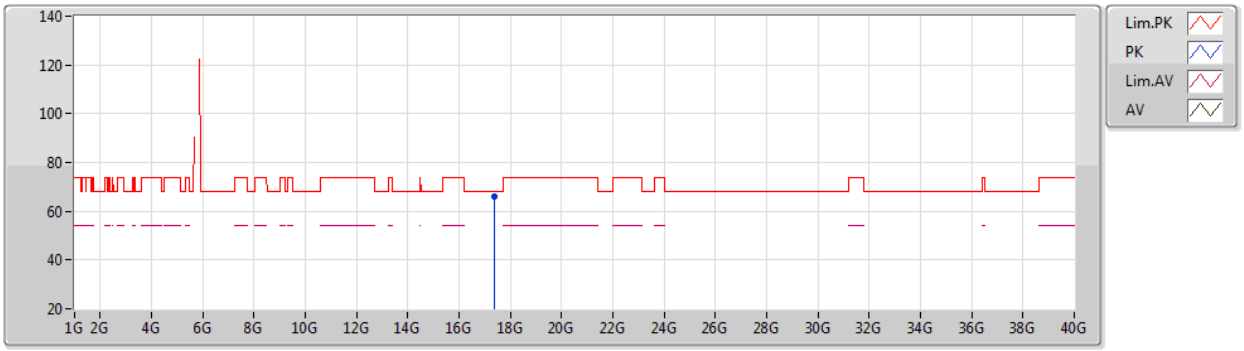
EUT Y_2TX
Setting 26.5
02-D-S-5-10

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	5.59G	60.69	68.20	-7.51	50.94	3	Horizontal	311	2.04	-	33.99	6.29	30.53
PK	5.799G	114.68	Inf	-Inf	105.06	3	Horizontal	311	2.04	-	33.80	6.40	30.58
AV	5.8G	105.24	Inf	-Inf	95.62	3	Horizontal	311	2.04	-	33.80	6.40	30.58
PK	5.937G	62.32	68.20	-5.88	52.54	3	Horizontal	311	2.04	-	34.07	6.33	30.62

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

18/02/2020



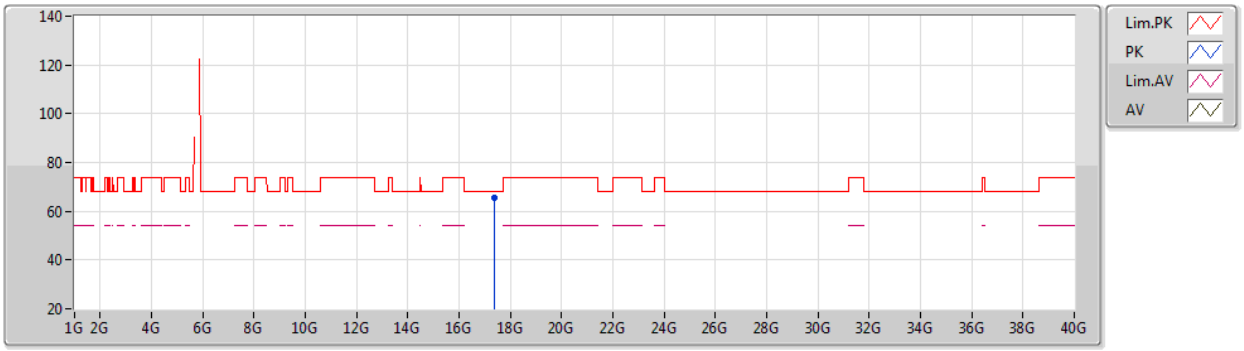
EUT Y_2TX
Setting 26.5
02-D-S-5

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	17.395G	65.86	68.20	-2.34	44.18	3	Vertical	15	2.84	-	43.29	10.24	31.85

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

18/02/2020



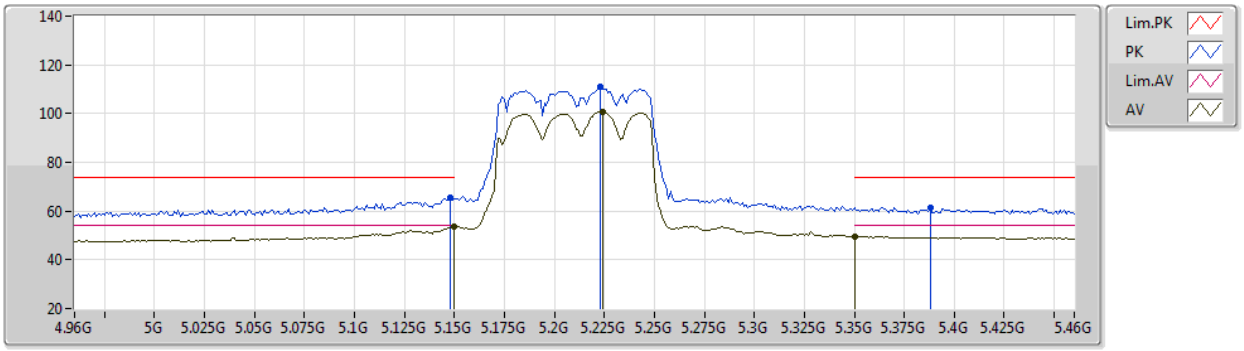
EUT Y_2TX
Setting 26.5
02-D-S-5

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	17.39496G	65.75	68.20	-2.45	44.07	3	Horizontal	56	1.54	-	43.29	10.24	31.85

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

18/02/2020



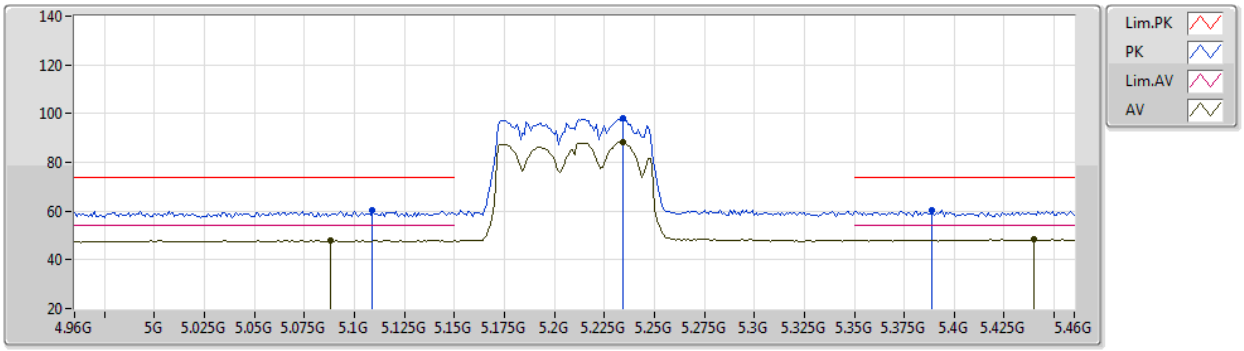
EUT Y_2TX
Setting 15.5
02-D-S-5-10

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	65.34	74.00	-8.66	56.20	3	Vertical	222	2.13	-	33.55	5.97	30.38
AV	5.15G	53.54	54.00	-0.46	44.40	3	Vertical	222	2.13	-	33.55	5.97	30.38
PK	5.223G	110.91	Inf	-Inf	101.66	3	Vertical	222	2.13	-	33.65	6.01	30.41
AV	5.224G	100.87	Inf	-Inf	91.62	3	Vertical	222	2.13	-	33.65	6.01	30.41
PK	5.388G	61.42	74.00	-12.58	51.91	3	Vertical	222	2.13	-	33.89	6.09	30.47
AV	5.35G	49.57	54.00	-4.43	40.10	3	Vertical	222	2.13	-	33.85	6.07	30.45

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

18/02/2020



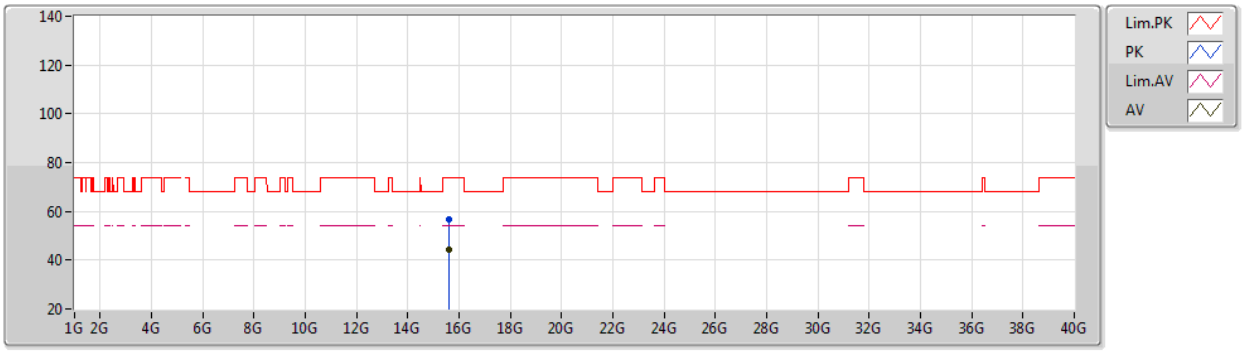
EUT Y_2TX
Setting 15.5
02-D-S-5-10

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	5.109G	60.23	74.00	-13.77	51.14	3	Horizontal	288	2.75	-	33.51	5.95	30.37
AV	5.088G	47.93	54.00	-6.07	38.88	3	Horizontal	288	2.75	-	33.48	5.94	30.37
PK	5.234G	98.10	Inf	-Inf	88.82	3	Horizontal	288	2.75	-	33.67	6.02	30.41
AV	5.234G	88.38	Inf	-Inf	79.10	3	Horizontal	288	2.75	-	33.67	6.02	30.41
PK	5.389G	60.23	74.00	-13.77	50.72	3	Horizontal	288	2.75	-	33.89	6.09	30.47
AV	5.44G	48.31	54.00	-5.69	38.76	3	Horizontal	288	2.75	-	33.90	6.14	30.49

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

18/02/2020



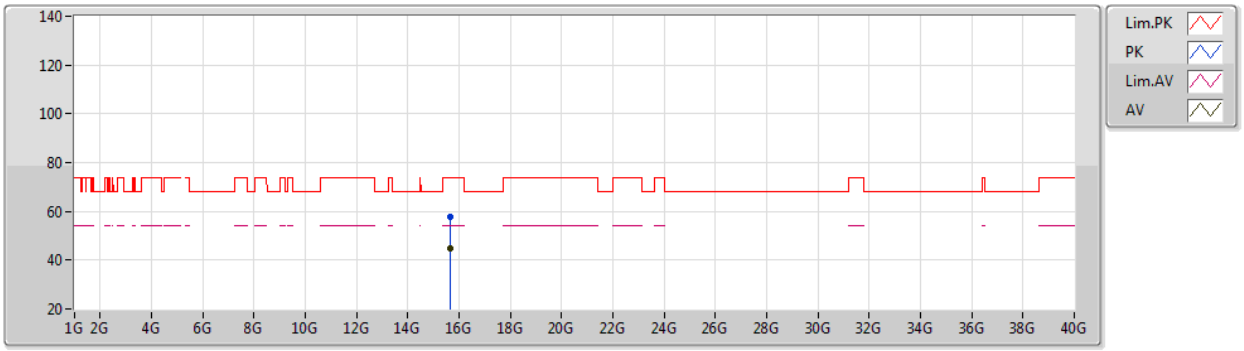
EUT Y_2TX
Setting 15.5
02-D-S-5

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	15.62872G	56.87	74.00	-17.13	41.11	3	Vertical	26	2.38	-	38.48	9.28	32.00
AV	15.6304G	44.53	54.00	-9.47	28.78	3	Vertical	26	2.38	-	38.47	9.28	32.00

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

18/02/2020



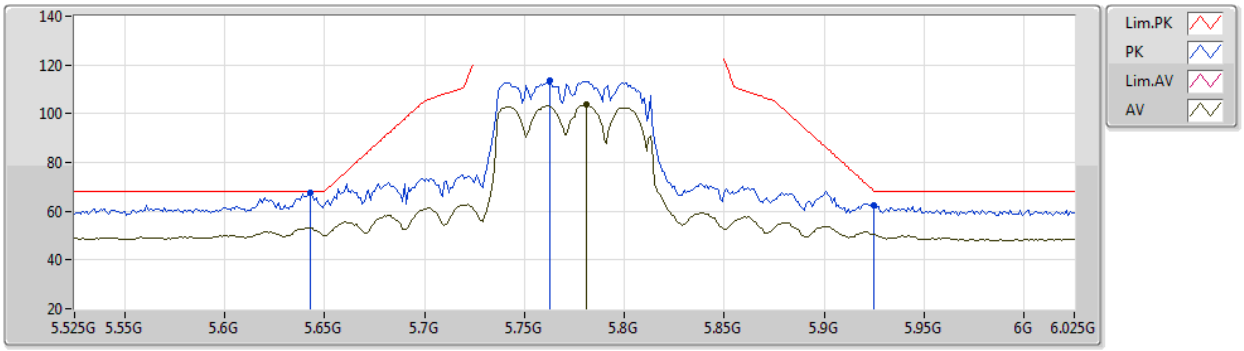
EUT Y_2TX
Setting 15.5
02-D-S-5

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	15.63576G	57.67	74.00	-16.33	41.93	3	Horizontal	208	1.23	-	38.46	9.28	32.00
AV	15.63548G	44.59	54.00	-9.41	28.85	3	Horizontal	208	1.23	-	38.46	9.28	32.00

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

18/02/2020



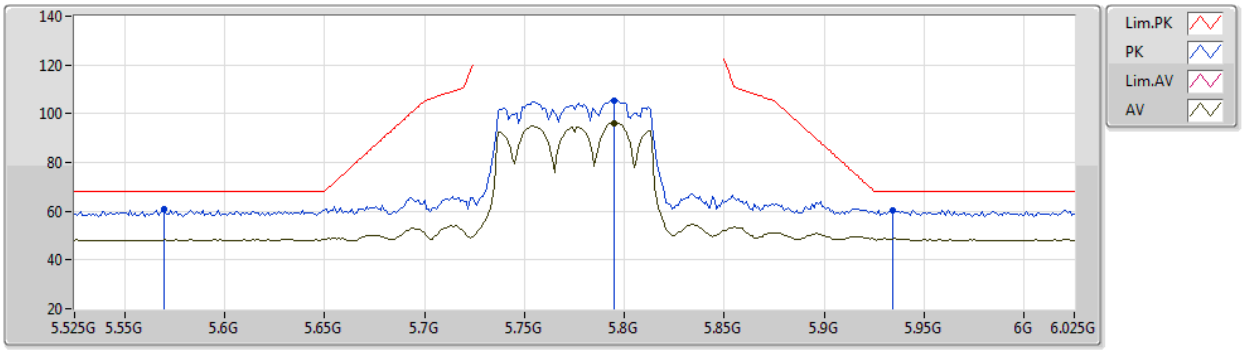
EUT Y_2TX
Setting 21
02-D-S-5-10

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	5.643G	67.81	68.20	-0.39	58.12	3	Vertical	225	2.09	-	33.91	6.32	30.54
PK	5.763G	113.42	Inf	-Inf	103.81	3	Vertical	225	2.09	-	33.80	6.38	30.57
AV	5.781G	103.92	Inf	-Inf	94.31	3	Vertical	225	2.09	-	33.80	6.39	30.58
PK	5.925G	62.31	68.20	-5.89	52.53	3	Vertical	225	2.09	-	34.05	6.34	30.61

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

18/02/2020



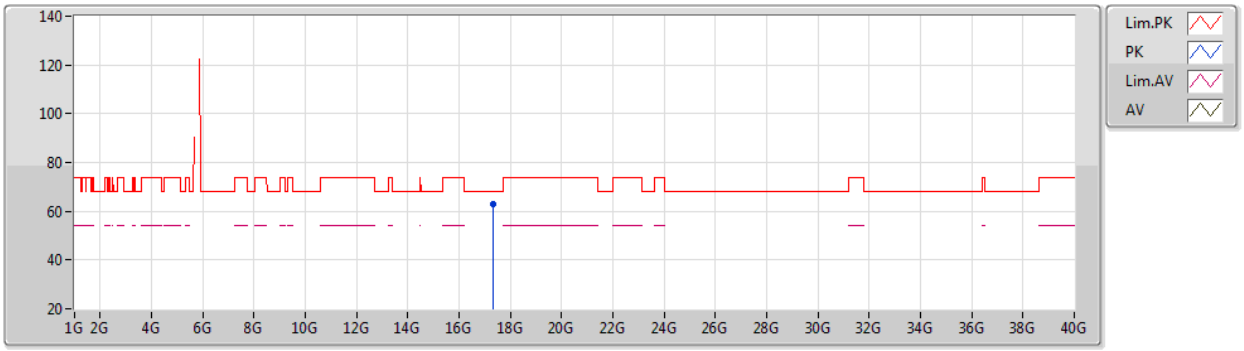
EUT Y_2TX
Setting 21
02-D-S-5-10

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	5.57G	60.86	68.20	-7.34	51.14	3	Horizontal	128	2.15	-	33.97	6.27	30.52
PK	5.795G	105.59	Inf	-Inf	95.97	3	Horizontal	128	2.15	-	33.80	6.40	30.58
AV	5.795G	96.17	Inf	-Inf	86.55	3	Horizontal	128	2.15	-	33.80	6.40	30.58
PK	5.934G	60.39	68.20	-7.81	50.61	3	Horizontal	128	2.15	-	34.07	6.33	30.62

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

18/02/2020



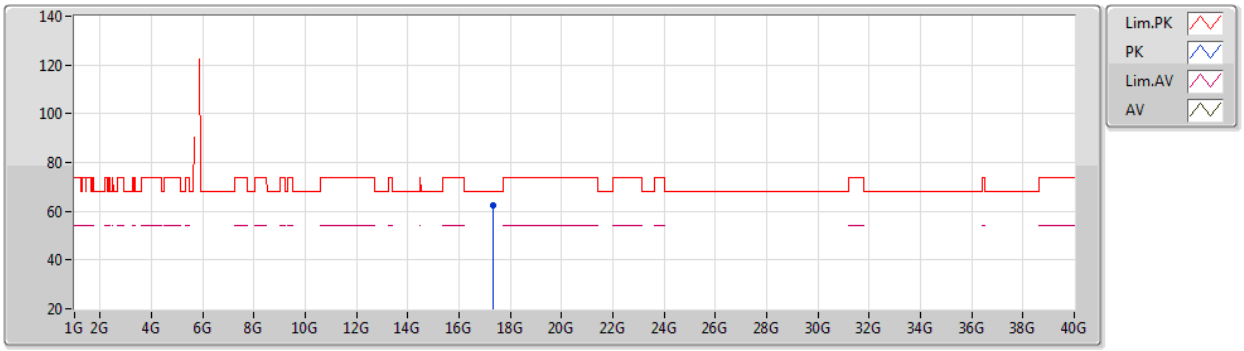
EUT Y_2TX
Setting 21
02-D-S-5

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	17.31956G	62.98	68.20	-5.22	41.72	3	Vertical	254	2.68	-	42.89	10.20	31.83

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

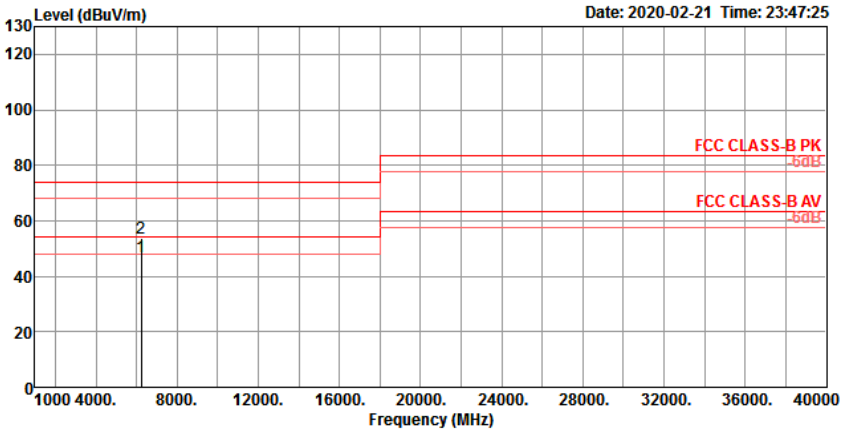
18/02/2020



EUT Y_2TX
Setting 21
02-D-S-5

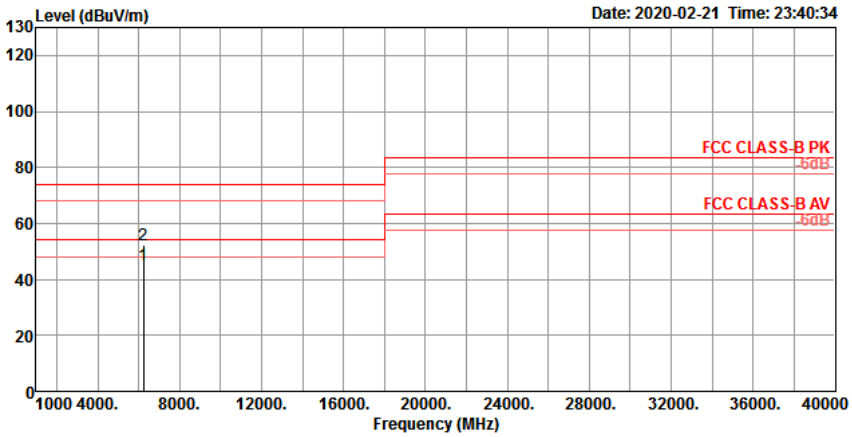
Type	Freq	Level	Limit	Margin	Raw	Dist	Condition	Azimuth	Height	Comment	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dBuV)	(m)		(°)	(m)		(dB)	(dB)	(dB)
PK	17.33448G	62.47	68.20	-5.73	41.12	3	Horizontal	320	2.06	-	42.97	10.21	31.83

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	6249.96	46.78	54.00	-7.22	38.64	5.39	36.35	33.60	160	49	Average	HORIZONTAL
2	6249.99	53.52	74.00	-20.48	45.38	5.39	36.35	33.60	160	49	Peak	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	6249.99	45.19	54.00	-8.81	37.05	5.39	36.35	33.60	146	354	Average	VERTICAL
2	6250.09	52.50	74.00	-21.50	44.36	5.39	36.35	33.60	146	354	Peak	VERTICAL