FCC RADIO TEST REPORT

FCC ID	:	TE7A9V6
Equipment	:	AC1900 Wireless MU-MIMO Gigabit Router
Brand Name	:	tp-link
Model Name	:	Archer A9
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China
Standard	:	47 CFR FCC Part 15.407

The product was received on Sep. 10, 2018, and testing was started from Sep. 27, 2018 and completed on Oct. 30, 2018. 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: Cliff Chang

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

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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR890719AB	01	Initial issue of report	Nov. 23, 2018

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 judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.
Comments and Explanations:
None

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	3TX
5.15-5.25GHz	802.11n HT20	20	3TX
5.15-5.25GHz	802.11n HT20-BF	20	3TX
5.15-5.25GHz	802.11ac VHT20	20	3TX
5.15-5.25GHz	802.11ac VHT20-BF	20	3TX
5.15-5.25GHz	802.11n HT40	40	3TX
5.15-5.25GHz	802.11n HT40-BF	40	3TX
5.15-5.25GHz	802.11ac VHT40	40	3TX
5.15-5.25GHz	802.11ac VHT40-BF	40	3TX
5.15-5.25GHz	802.11ac VHT80	80	3TX
5.15-5.25GHz	802.11ac VHT80-BF	80	3TX
5.725-5.85GHz	802.11a	20	3TX
5.725-5.85GHz	802.11n HT20	20	3TX
5.725-5.85GHz	802.11n HT20-BF	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11ac VHT20-BF	20	3TX
5.725-5.85GHz	802.11n HT40	40	3TX
5.725-5.85GHz	802.11n HT40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11ac VHT80-BF	80	3TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- 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	P/N	Antenna Type	Connector	Gain (dBi)		
						2.4GHz	5GHz Band 1	5GHz Band 4
1	1	TP-LINK	3101501875	Dipole Antenna	I-PEX	2.24	3.87	3.64
2	2	TP-LINK	3101501879	Dipole Antenna	I-PEX	2.24	3.87	3.64
3	3	TP-LINK	3101501872	Dipole Antenna	I-PEX	2.24	3.87	3.64
4	4	TP-LINK	3101502150	PIFA Antenna	N/A	1.83	-	-

Note: The EUT has four antennas.

For 2.4GHz function:

For IEEE 802.11b/g/n mode (4TX/4RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11a/n/ac mode (3TX/3RX)

Ant. 1 (port 1), Ant. 2 (port 2) and Ant. 3 (port 3) could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.966	0.15	2.029m	1k
802.11ac VHT20	0.904	0.438	4.48m	300
802.11ac VHT20-BF	0.901	0.453	1.755m	1k
802.11ac VHT40	0.807	0.931	2.18m	1k
802.11ac VHT40-BF	0.93	0.315	1.69m	1k
802.11ac VHT80	0.903	0.443	3.986m	300
802.11ac VHT80-BF	0.931	0.311	1.943m	1k

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming for 802.11n/ac in 5GHz	☐	Without beamforming
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	QSPR V5.0-00140			

1.1.5 Table for EUT support function

Function	Support type
AP Router mode	Master
Bridge mode	Master + Slave

Note:
The EUT supports both AP Router and Bridge mode. Bridge mode selected as representative mode because it is equipped with the most complicated functions.

1.2 Testing Applied 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

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	TH01-CB	DK Chang	25.3°C / 46%	Sep. 28, 2018~Oct. 20, 2018
Radiated	03CH01-CB	Cola Fan	22°C / 54%	Sep. 27, 2018~Oct. 23, 2018
AC Conduction	CO02-CB	Rick Yeh	25°C / 60%	Oct. 30, 2018

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)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5180MHz	21
5200MHz	23
5240MHz	22.5
5745MHz	28
5785MHz	28
5825MHz	28
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	21.5
5200MHz	23.5
5240MHz	23.5
5745MHz	28
5785MHz	28
5825MHz	28
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	16.5
5230MHz	21.5
5755MHz	22
5795MHz	23
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	15
5775MHz	16.5
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	25
5200MHz	26
5240MHz	26
5745MHz	26
5785MHz	26
5825MHz	26
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	23
5230MHz	26
5755MHz	23
5795MHz	26
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	23

Mode	Power Setting
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.
- There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for 802.11n/ac in 5GHz band. All test results were recorded in the report.

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	Bridge mode 2.4G link AP + Adapter
2	Bridge mode 5G link AP + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT at Y axis-Bridge mode 2.4G link AP + Adapter
2	EUT at Z axis-Bridge mode 2.4G link AP + Adapter
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT at Z axis-Bridge mode 5G link AP + Adapter
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 Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.	
1	EUT at Z axis

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA890719 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:
non-beamforming mode:
The EUT was programmed to be in continuously transmitting mode.
beamforming mode:

For Conducted Mode:
The EUT was programmed to be in continuously transmitting mode.
For Radiated Mode:
During the test, the following programs under WIN 7 were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under telnet: v6.1.7601.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

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

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	tp-link	T120150-2B1	Input:100-240V~50/60Hz, 0.6A Output:12V, 1.5A

2.5 Support Equipment

For Test Site No: CO02-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E6430	N/A
2	AP Router	ASUS	RP-N53	MSQ-RPN53
3	Flash disk3.0	Transcend	JetFlash-700	N/A

For Test Site No: 03CH01-CB (below 1GHz)

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E4300	N/A
2	AP Route	NETGEAR	WNDR3300v2	PY309300116
3	Flash disk3.0	Silicon Power	B06	N/A

For Test Site No: 03CH01-CB (above 1GHz)
For non-beamforming mode

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

For beamforming mode

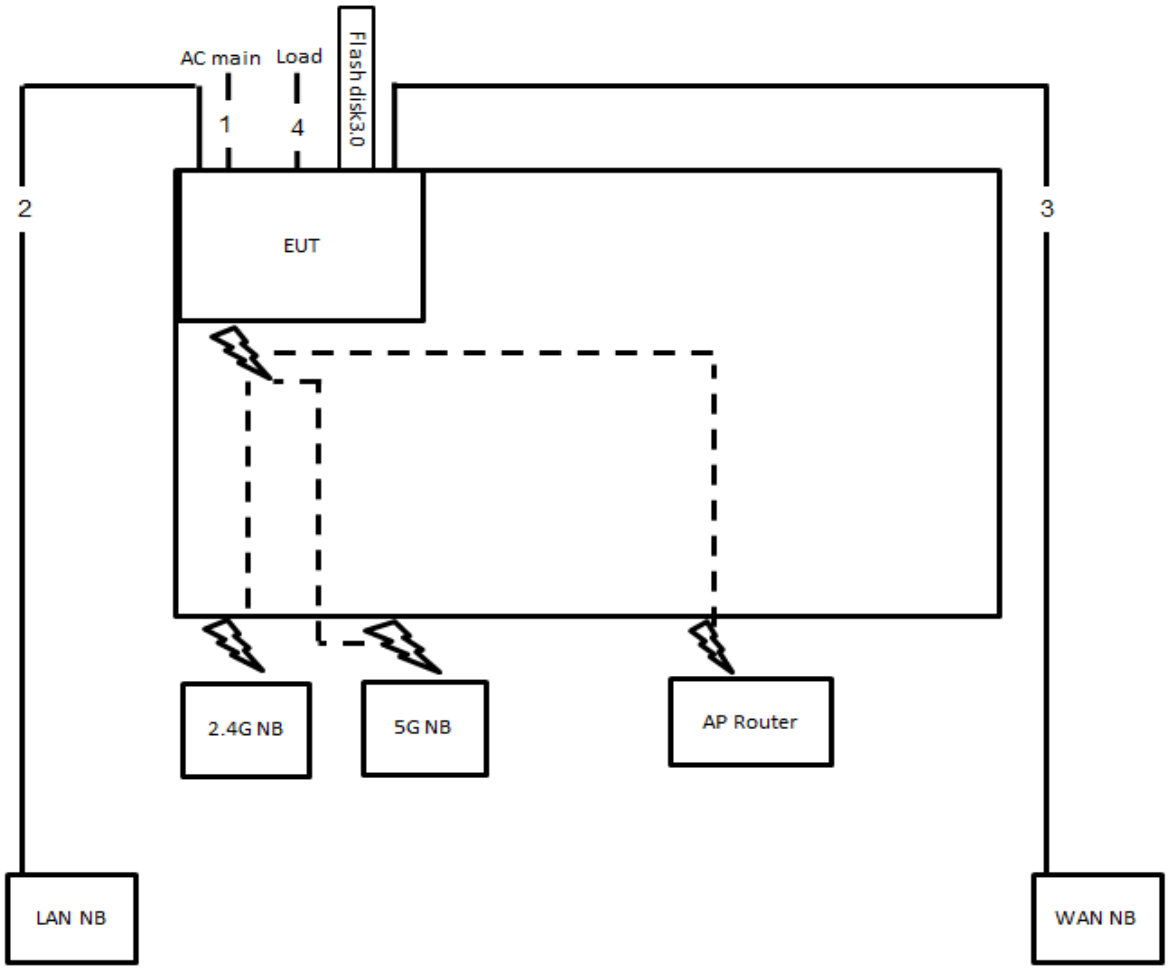
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	N/A
2	RX Device (AC1900 Wireless MU-MIMO Gigabit Router)	tp-link	Archer A9	TE7A9V6

For Test Site No: TH01-CB

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

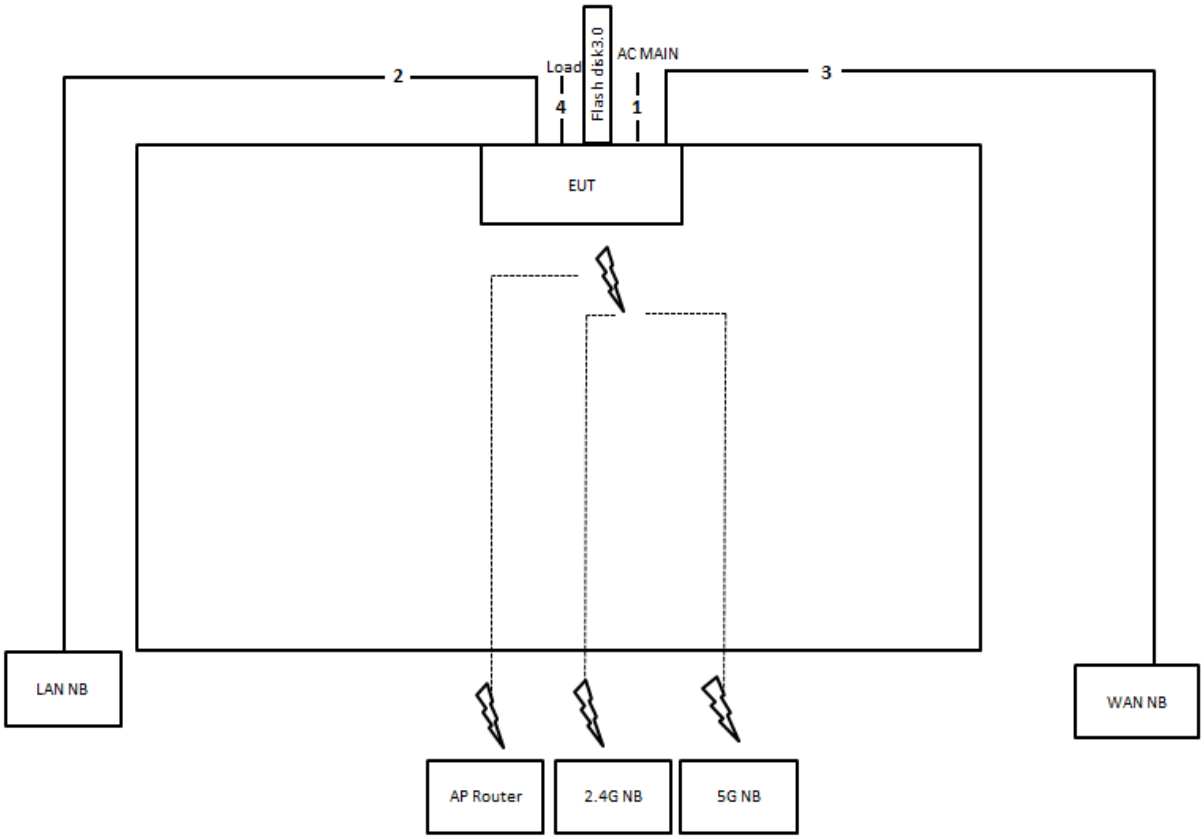
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



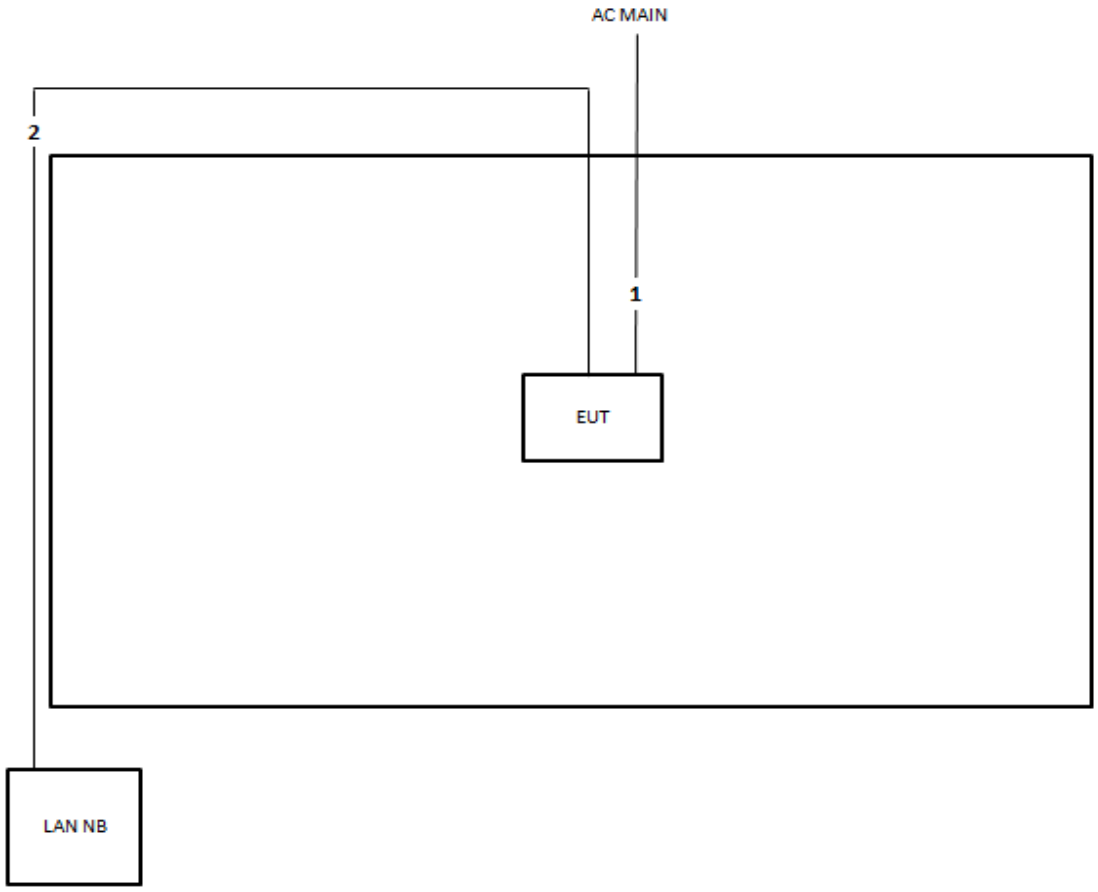
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



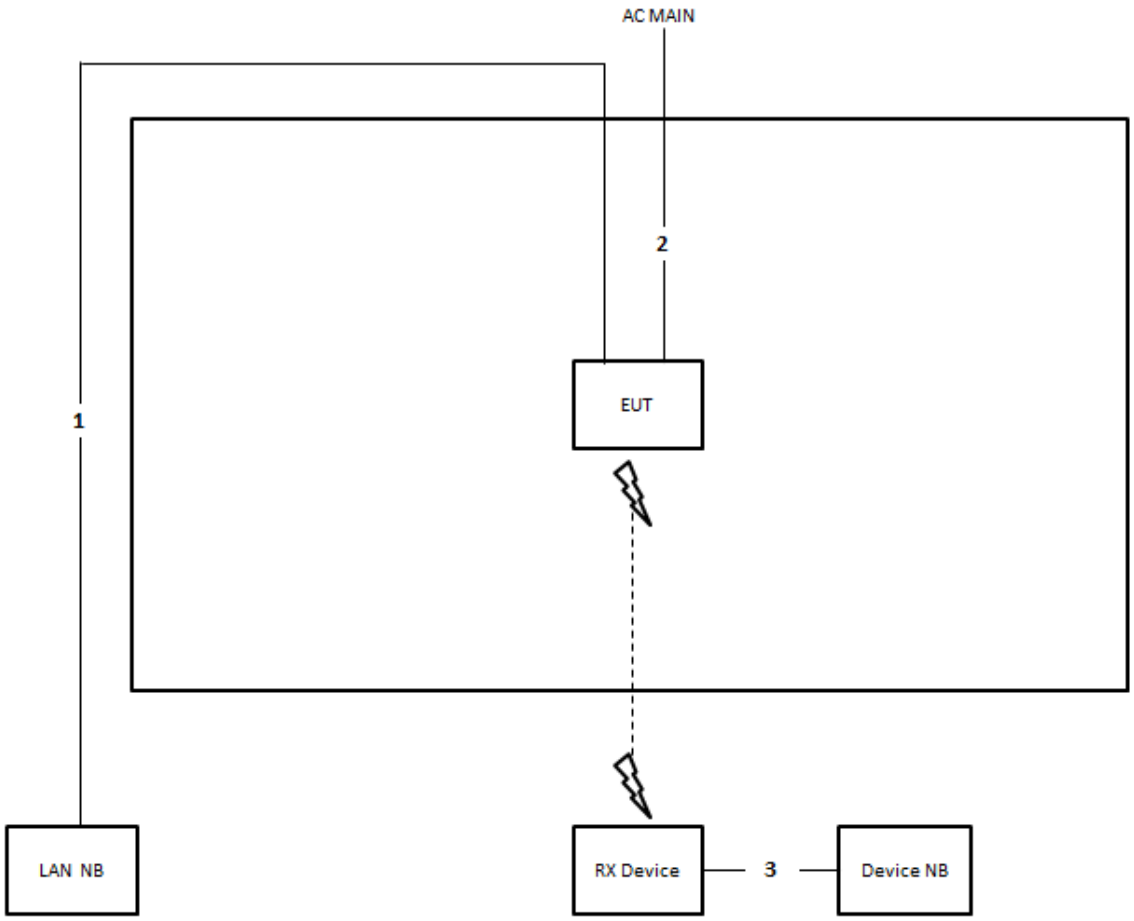
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m

Test Setup Diagram - Radiated Test > 1GHz / For non beamforming mode



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

Test Setup Diagram - Radiated Test > 1GHz / For beamforming mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

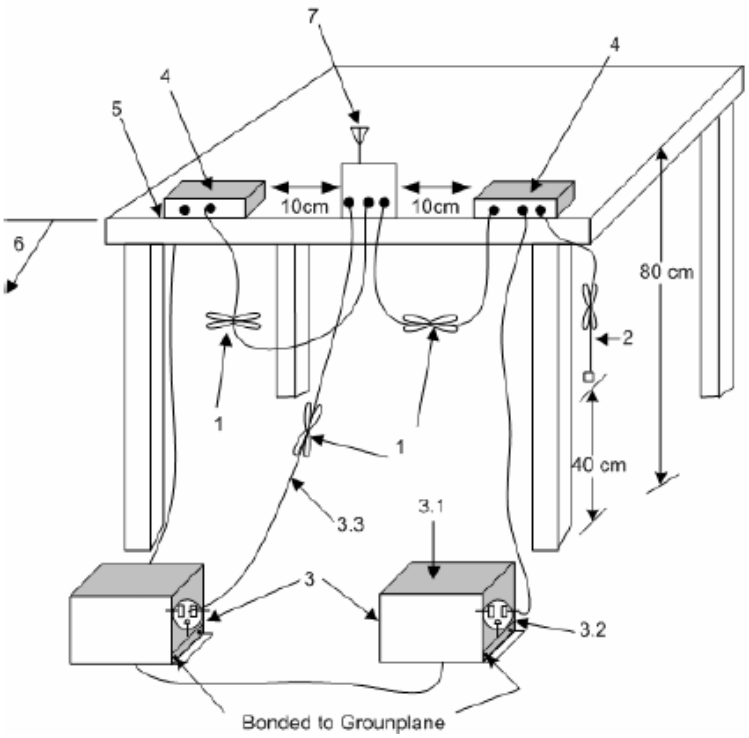
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 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

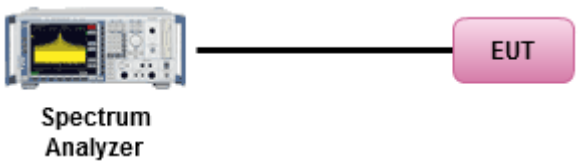
Refer a test equipment and calibration data table in this test report.

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.	

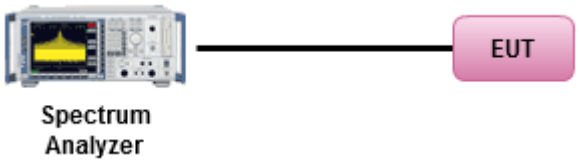
3.4.2 Measuring Instruments

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 Radiated 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).

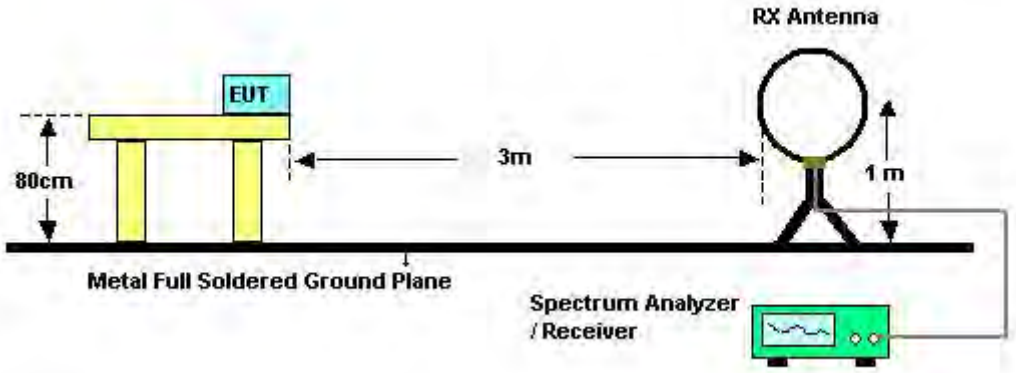
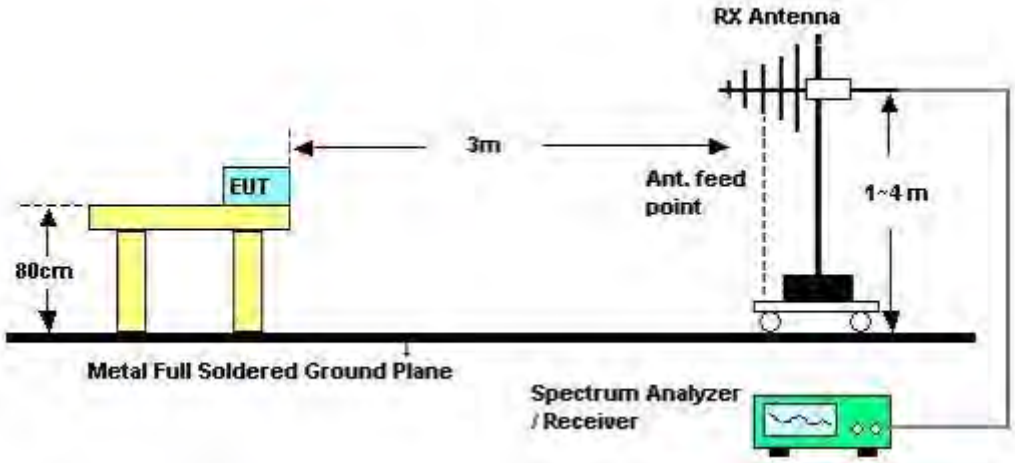
3.5.2 Measuring Instruments

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

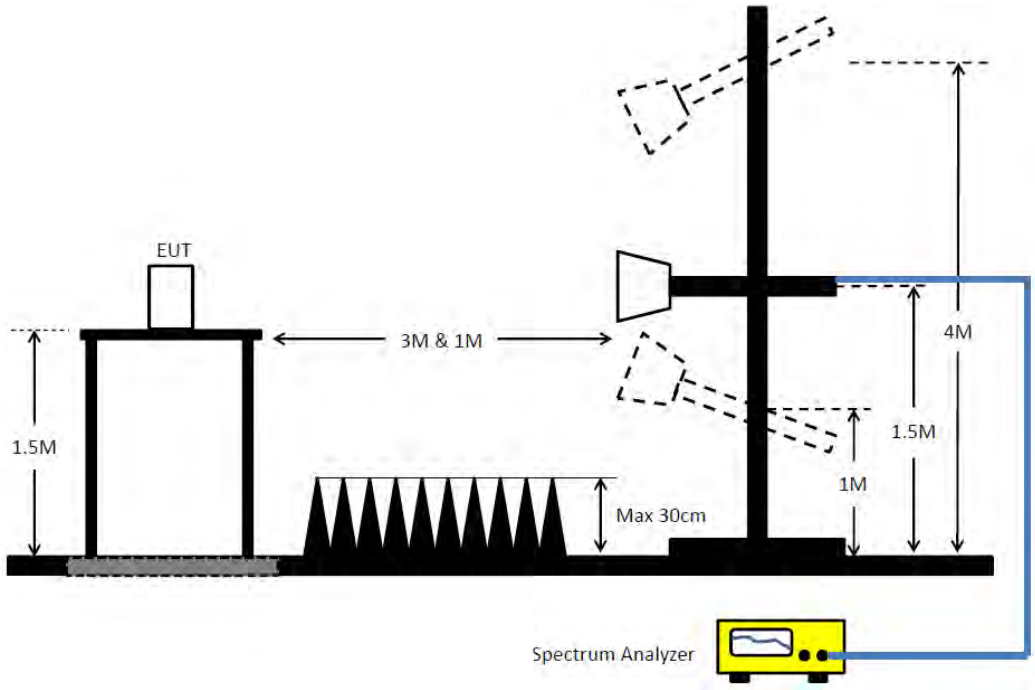
3.5.3 Test Procedures

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 H)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.2 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 Transmitter Unwanted Emissions (Below 30MHz)

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.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

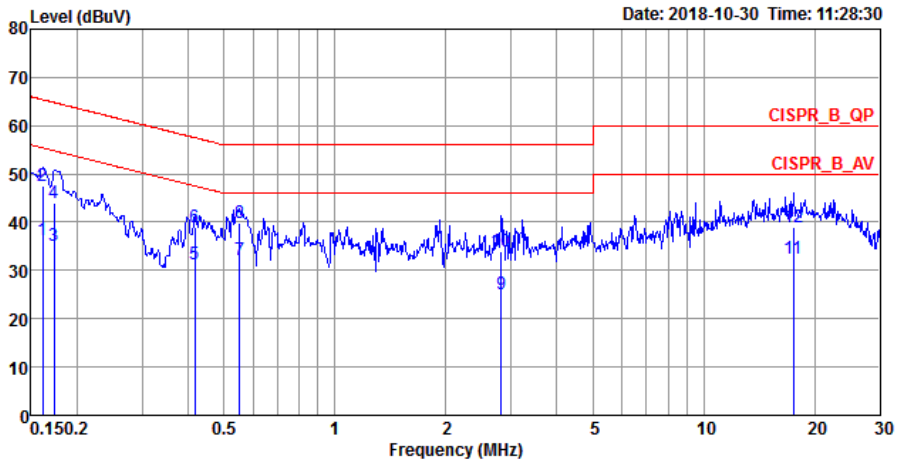
4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 24, 2017	Nov. 23, 2018	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 13, 2017	Nov. 12, 2018	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 17, 2018	Jan. 16, 2019	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 10, 2017	Nov. 09, 2018	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100354	9kHz ~ 2.75GHz	Dec. 08, 2017	Dec. 07, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 21, 2017	Dec. 20, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 17, 2018	Apr. 16, 2019	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

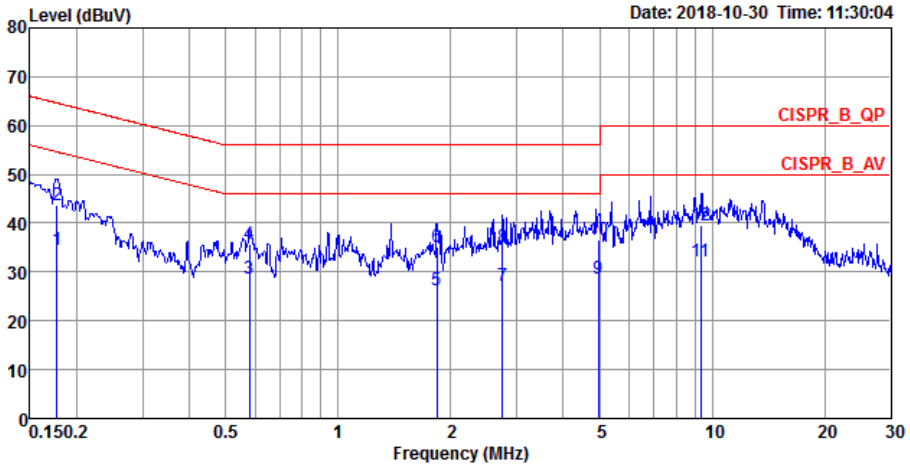
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1616	36.27	-19.11	55.38	26.10	10.16	0.01	Average	LINE
2	0.1616	47.50	-17.88	65.38	37.33	10.16	0.01	QP	LINE
3	0.1731	35.27	-19.54	54.81	25.10	10.16	0.01	Average	LINE
4	0.1731	44.11	-20.70	64.81	33.94	10.16	0.01	QP	LINE
5	0.4171	31.24	-16.27	47.51	21.05	10.16	0.03	Average	LINE
6	0.4171	39.11	-18.40	57.51	28.92	10.16	0.03	QP	LINE
7	0.5523	32.14	-13.86	46.00	21.95	10.16	0.03	Average	LINE
8	0.5523	39.98	-16.02	56.00	29.79	10.16	0.03	QP	LINE
9	2.8240	25.04	-20.96	46.00	14.78	10.20	0.06	Average	LINE
10	2.8240	33.98	-22.02	56.00	23.72	10.20	0.06	QP	LINE
11	17.4750	32.57	-17.43	50.00	22.07	10.39	0.11	Average	LINE
12	17.4750	38.92	-21.08	60.00	28.42	10.39	0.11	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	0.1768	34.49	-20.15	54.64	24.31	10.17	0.01	Average	NEUTRAL
2	0.1768	43.77	-20.87	64.64	33.59	10.17	0.01	QP	NEUTRAL
3	0.5792	28.77	-17.23	46.00	18.57	10.17	0.03	Average	NEUTRAL
4	0.5792	35.71	-20.29	56.00	25.51	10.17	0.03	QP	NEUTRAL
5	1.8386	26.41	-19.59	46.00	16.16	10.20	0.05	Average	NEUTRAL
6	1.8386	35.00	-21.00	56.00	24.75	10.20	0.05	QP	NEUTRAL
7	2.7502	27.28	-18.72	46.00	17.01	10.21	0.06	Average	NEUTRAL
8	2.7502	35.16	-20.84	56.00	24.89	10.21	0.06	QP	NEUTRAL
9	4.9597	28.55	-17.45	46.00	18.24	10.24	0.07	Average	NEUTRAL
10	4.9597	36.60	-19.40	56.00	26.29	10.24	0.07	QP	NEUTRAL
11	9.3024	32.27	-17.73	50.00	21.89	10.31	0.07	Average	NEUTRAL
12	9.3024	39.52	-20.48	60.00	29.14	10.31	0.07	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)_3TX	22.55M	16.517M	16M5D1D	19.75M	16.392M
802.11ac VHT20_Nss1,(MCS0)_3TX	24.725M	17.725M	17M7D1D	20.7M	17.666M
802.11ac VHT40_Nss1,(MCS0)_3TX	40.35M	36.232M	36M2D1D	39.8M	36.182M
802.11ac VHT80_Nss1,(MCS0)_3TX	80.2M	75.762M	75M8D1D	79.9M	75.762M
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	20.775M	17.716M	17M7D1D	19.6M	17.291M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	70.8M	36.282M	36M3D1D	38.55M	35.582M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	80M	75.862M	75M9D1D	79.5M	75.562M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	16.35M	34.208M	34M2D1D	16.25M	32.984M
802.11ac VHT20_Nss1,(MCS0)_3TX	17.6M	35.657M	35M7D1D	17.125M	33.583M
802.11ac VHT40_Nss1,(MCS0)_3TX	36.15M	36.932M	36M9D1D	35.4M	36.232M
802.11ac VHT80_Nss1,(MCS0)_3TX	76.3M	76.062M	76M1D1D	76.2M	75.862M
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	17.65M	17.741M	17M7D1D	15.325M	17.116M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	35.9M	36.332M	36M3D1D	33.8M	35.082M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	75.6M	76.462M	76M5D1D	73.3M	75.362M

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

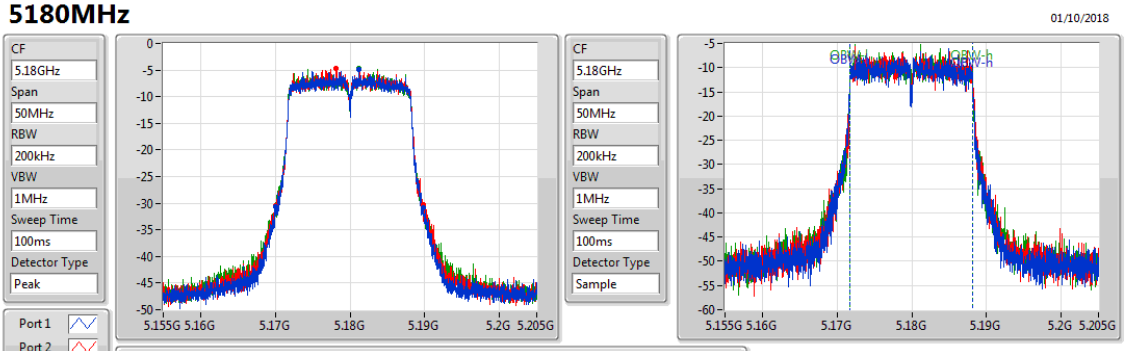
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.8M	16.392M	19.825M	16.442M	19.75M	16.417M
5200MHz	Pass	Inf	21.75M	16.442M	22.1M	16.467M	22.075M	16.492M
5240MHz	Pass	Inf	21.8M	16.442M	20.65M	16.492M	22.55M	16.517M
5745MHz	Pass	500k	16.325M	33.233M	16.325M	34.108M	16.275M	32.984M
5785MHz	Pass	500k	16.25M	33.408M	16.325M	33.983M	16.35M	33.208M
5825MHz	Pass	500k	16.275M	33.083M	16.3M	33.958M	16.325M	34.208M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.85M	17.725M	20.7M	17.725M	20.975M	17.725M
5200MHz	Pass	Inf	23.275M	17.666M	23.55M	17.716M	24.725M	17.716M
5240MHz	Pass	Inf	22.525M	17.716M	23M	17.666M	24.275M	17.716M
5745MHz	Pass	500k	17.125M	34.158M	17.6M	35.457M	17.575M	33.958M
5785MHz	Pass	500k	17.25M	34.683M	17.425M	35.357M	17.55M	34.158M
5825MHz	Pass	500k	17.575M	33.583M	17.225M	34.583M	17.55M	35.657M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.9M	36.232M	40.05M	36.182M	39.8M	36.182M
5230MHz	Pass	Inf	40.05M	36.182M	40.25M	36.182M	40.35M	36.182M
5755MHz	Pass	500k	36.15M	36.232M	36M	36.232M	35.7M	36.232M
5795MHz	Pass	500k	35.7M	36.532M	36.15M	36.782M	35.4M	36.932M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.2M	75.762M	79.9M	75.762M	80M	75.762M
5775MHz	Pass	500k	76.3M	76.062M	76.3M	75.862M	76.2M	75.862M
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.375M	17.641M	19.925M	17.566M	20.5M	17.591M
5200MHz	Pass	Inf	20.7M	17.716M	20.325M	17.516M	20.75M	17.666M
5240MHz	Pass	Inf	19.6M	17.291M	20.3M	17.566M	20.775M	17.691M
5745MHz	Pass	500k	17.65M	17.741M	16.825M	17.566M	17M	17.541M
5785MHz	Pass	500k	16.725M	17.666M	16.35M	17.491M	17.125M	17.666M
5825MHz	Pass	500k	16.475M	17.516M	15.325M	17.116M	17.55M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	38.55M	35.582M	39.35M	36.282M	38.9M	36.132M
5230MHz	Pass	Inf	53.45M	35.932M	66.9M	35.932M	70.8M	35.982M
5755MHz	Pass	500k	35.05M	35.482M	35.75M	36.332M	35.5M	35.682M
5795MHz	Pass	500k	35.7M	35.882M	33.8M	35.082M	35.9M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	79.9M	75.662M	79.5M	75.562M	80M	75.862M
5775MHz	Pass	500k	75M	75.362M	73.3M	75.562M	75.6M	76.462M

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)_3TX **EBW**

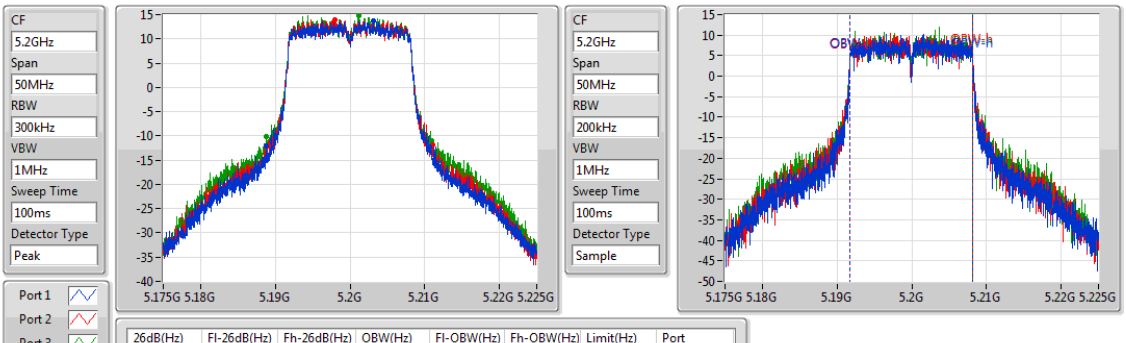
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.169975G	5.189775G	16.392M	5.171754G	5.188146G	Inf	1
19.825M	5.169975G	5.1898G	16.442M	5.171754G	5.188196G	Inf	2
19.75M	5.170025G	5.189775G	16.417M	5.171754G	5.188171G	Inf	3

802.11a_Nss1,(6Mbps)_3TX **EBW**

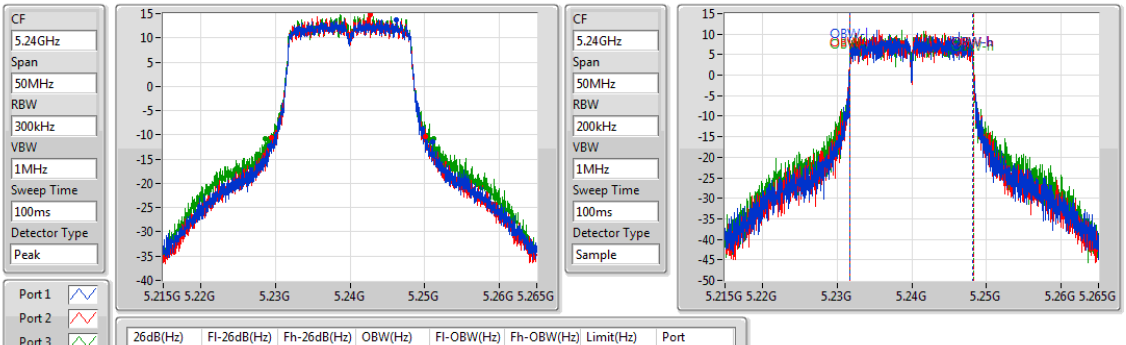
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.18885G	5.2106G	16.442M	5.191729G	5.208171G	Inf	1
22.1M	5.189025G	5.211125G	16.467M	5.191729G	5.208196G	Inf	2
22.075M	5.1888G	5.210875G	16.492M	5.191704G	5.208196G	Inf	3

802.11a_Nss1,(6Mbps)_3TX **EBW**

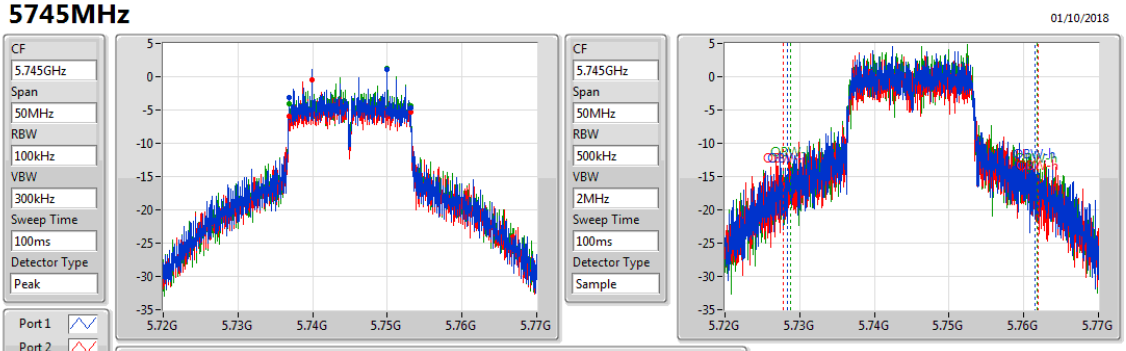
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.229225G	5.251025G	16.442M	5.231754G	5.248196G	Inf	1
20.65M	5.229475G	5.250125G	16.492M	5.231729G	5.248221G	Inf	2
22.55M	5.2287G	5.25125G	16.517M	5.231704G	5.248221G	Inf	3

802.11a_Nss1,(6Mbps)_3TX **EBW**

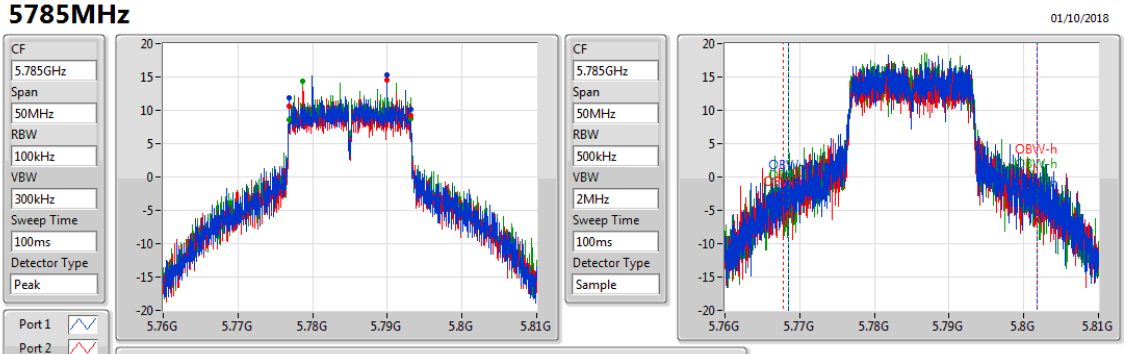
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.736825G	5.75315G	33.233M	5.728333G	5.761567G	500k	1
16.325M	5.7368G	5.753125G	34.108M	5.727809G	5.761917G	500k	2
16.275M	5.736825G	5.7531G	32.984M	5.728733G	5.761717G	500k	3

802.11a_Nss1,(6Mbps)_3TX **EBW**

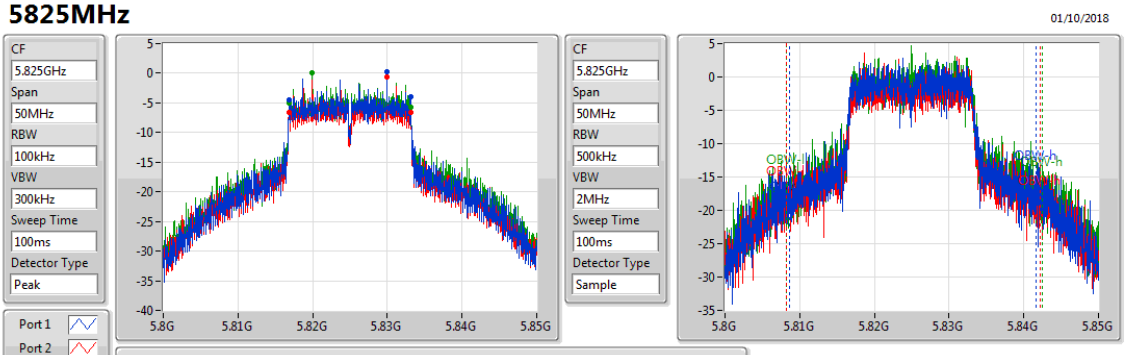
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	5.77685G	5.7931G	33.408M	5.768433G	5.801842G	500k	1
16.325M	5.776825G	5.79315G	33.983M	5.767834G	5.801817G	500k	2
16.35M	5.7768G	5.79315G	33.208M	5.768533G	5.801742G	500k	3

802.11a_Nss1,(6Mbps)_3TX **EBW**

5825MHz

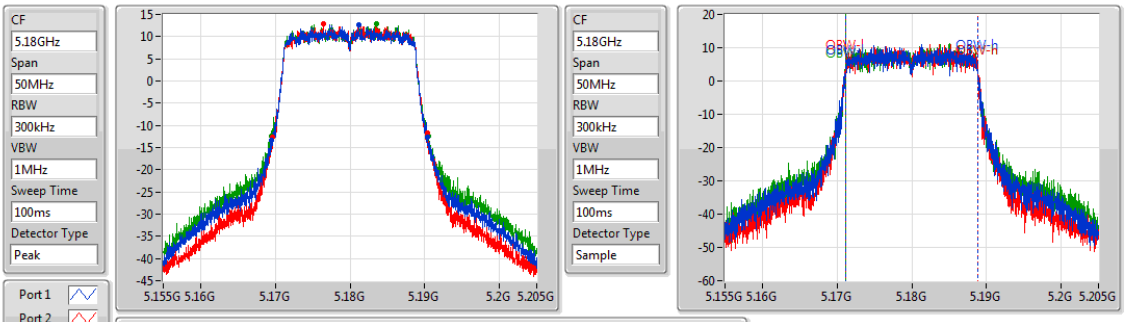


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.816825G	5.8331G	33.083M	5.808583G	5.841667G	500k	1
16.3M	5.816825G	5.833125G	33.958M	5.808208G	5.842166G	500k	2
16.325M	5.816825G	5.83315G	34.208M	5.808233G	5.842441G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX — EBW

5180MHz

01/10/2018

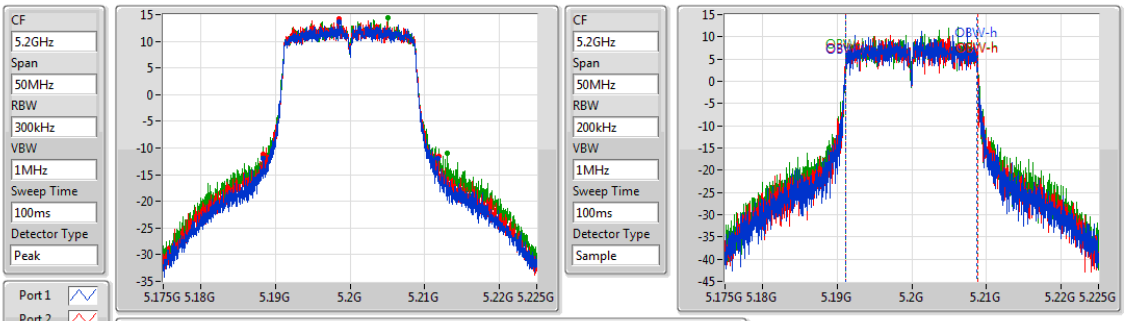


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.85M	5.169525G	5.190375G	17.725M	5.1711G	5.188825G	Inf	1
20.7M	5.169675G	5.190375G	17.725M	5.1711G	5.188825G	Inf	2
20.975M	5.1695G	5.190475G	17.725M	5.1711G	5.188825G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX — EBW

5200MHz

01/10/2018

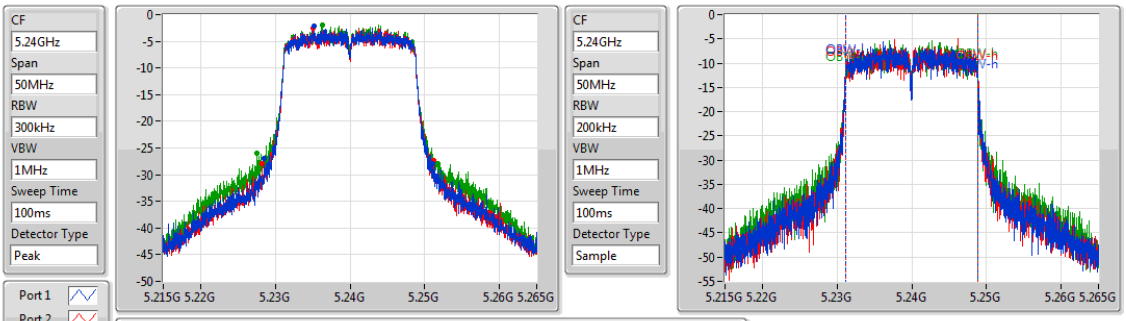


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.275M	5.188425G	5.2117G	17.666M	5.191104G	5.208771G	Inf	1
23.55M	5.188325G	5.211875G	17.716M	5.191104G	5.208821G	Inf	2
24.725M	5.18835G	5.213075G	17.716M	5.191104G	5.208821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX — EBW

5240MHz

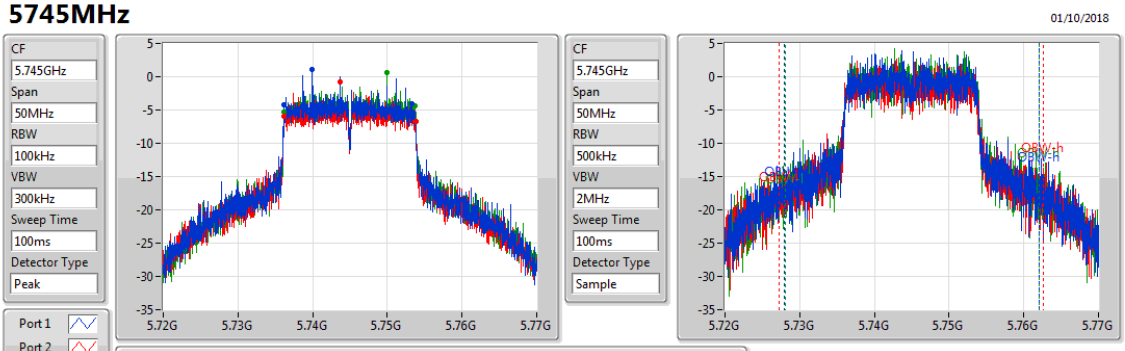
01/10/2018



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.525M	5.228525G	5.25105G	17.716M	5.231104G	5.248821G	Inf	1
23M	5.228275G	5.251275G	17.666M	5.231129G	5.248796G	Inf	2
24.275M	5.227525G	5.2518G	17.716M	5.231104G	5.248821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

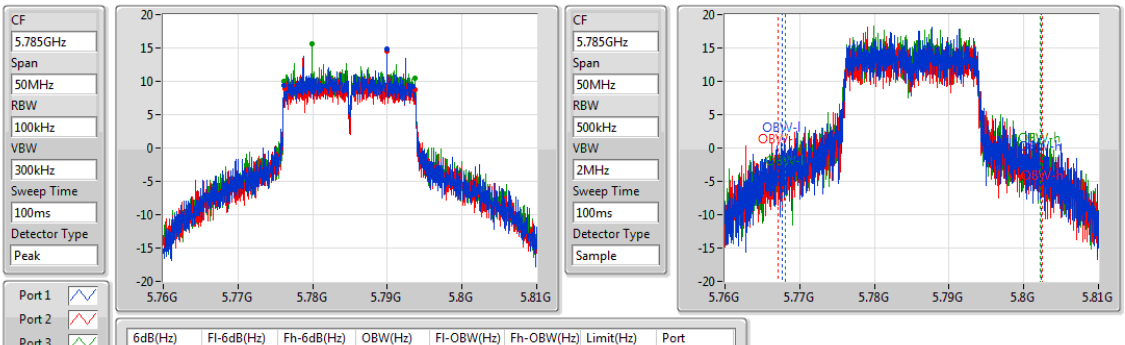
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.125M	5.7362G	5.753325G	34.158M	5.727909G	5.762066G	500k	1
17.6M	5.736175G	5.753775G	35.457M	5.727209G	5.762666G	500k	2
17.575M	5.736175G	5.75375G	33.958M	5.728058G	5.762016G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

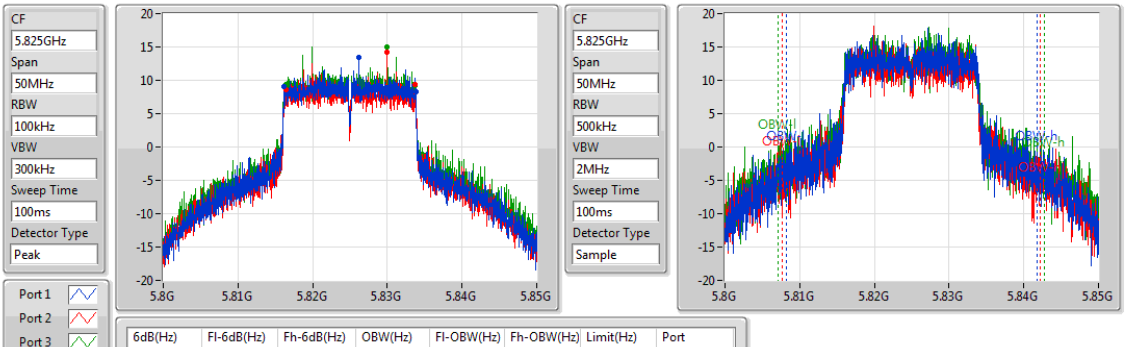
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	5.7762G	5.79345G	34.683M	5.767659G	5.802341G	500k	1
17.425M	5.776325G	5.79375G	35.357M	5.767134G	5.802491G	500k	2
17.55M	5.7762G	5.79375G	34.158M	5.768033G	5.802191G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX **EBW**

5825MHz



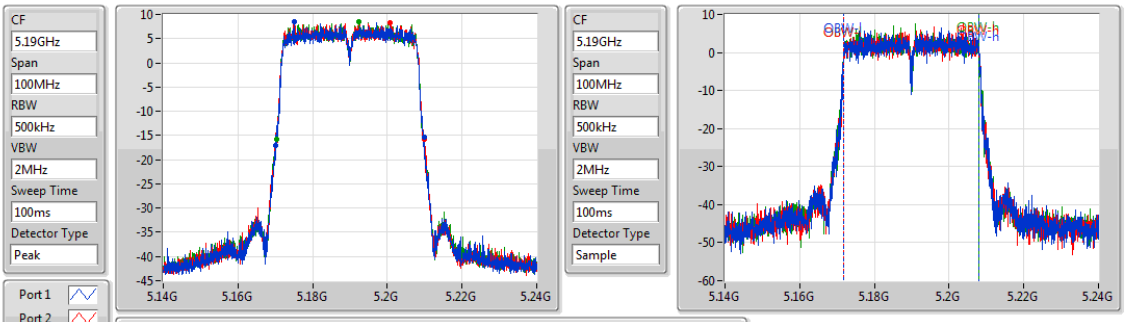
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.8162G	5.833775G	33.583M	5.808183G	5.841767G	500k	1
17.225M	5.8165G	5.833725G	34.583M	5.807609G	5.842191G	500k	2
17.55M	5.816175G	5.833725G	35.657M	5.807159G	5.842816G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5190MHz

01/10/2018



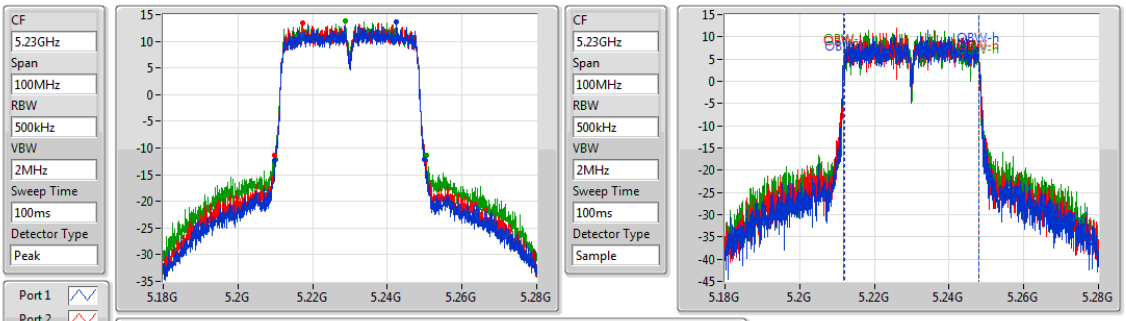
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.17005G	5.20995G	36.232M	5.171809G	5.208041G	Inf	1
40.05M	5.17G	5.21005G	36.182M	5.171859G	5.208041G	Inf	2
39.8M	5.17025G	5.21005G	36.182M	5.171859G	5.208041G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5230MHz

01/10/2018



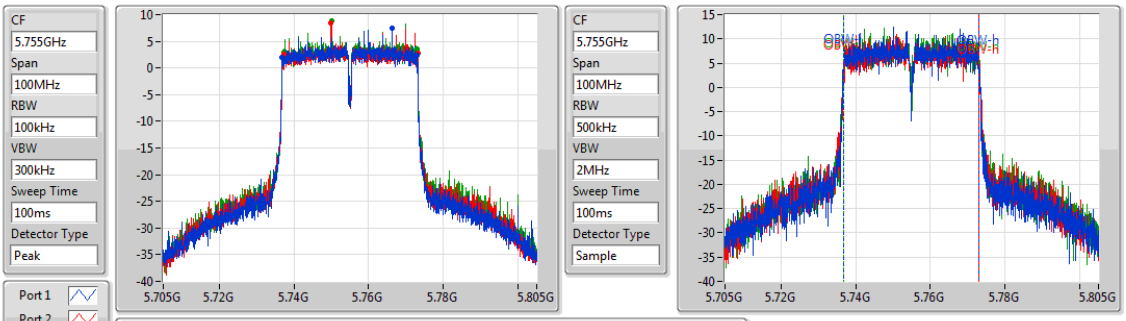
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.2099G	5.24995G	36.182M	5.211909G	5.248091G	Inf	1
40.25M	5.20985G	5.2501G	36.182M	5.211859G	5.248041G	Inf	2
40.35M	5.21G	5.25035G	36.182M	5.211859G	5.248041G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5755MHz

01/10/2018



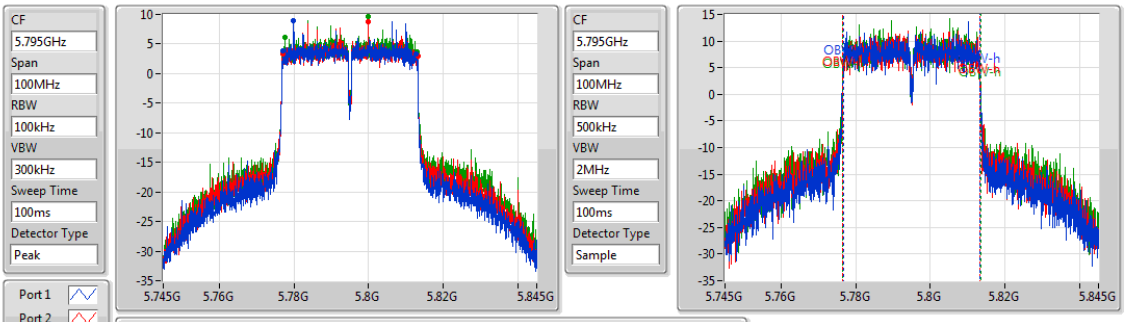
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.15M	5.73675G	5.7729G	36.232M	5.736809G	5.773041G	500k	1
36M	5.7372G	5.7732G	36.232M	5.736859G	5.773091G	500k	2
35.7M	5.7372G	5.7729G	36.232M	5.736859G	5.773091G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5795MHz

01/10/2018



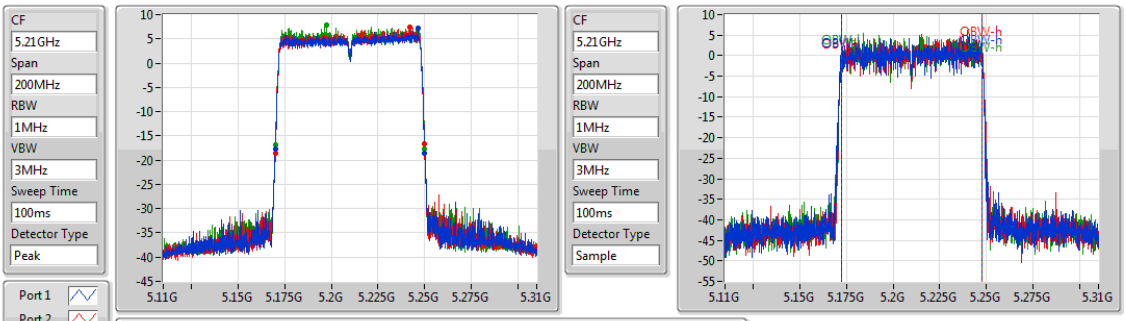
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.77705G	5.81275G	36.532M	5.776659G	5.813191G	500k	1
36.15M	5.777G	5.81315G	36.782M	5.776559G	5.813341G	500k	2
35.4M	5.7775G	5.8129G	36.932M	5.776559G	5.813491G	500k	3

802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5210MHz

01/10/2018



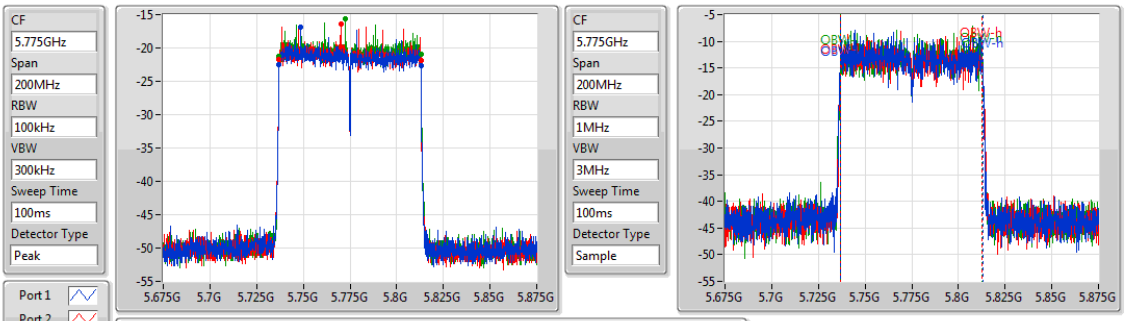
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.2M	5.1699G	5.2501G	75.762M	5.172119G	5.247881G	Inf	1
79.9M	5.1701G	5.25G	75.762M	5.172119G	5.247881G	Inf	2
80M	5.17G	5.25G	75.762M	5.172119G	5.247881G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5775MHz

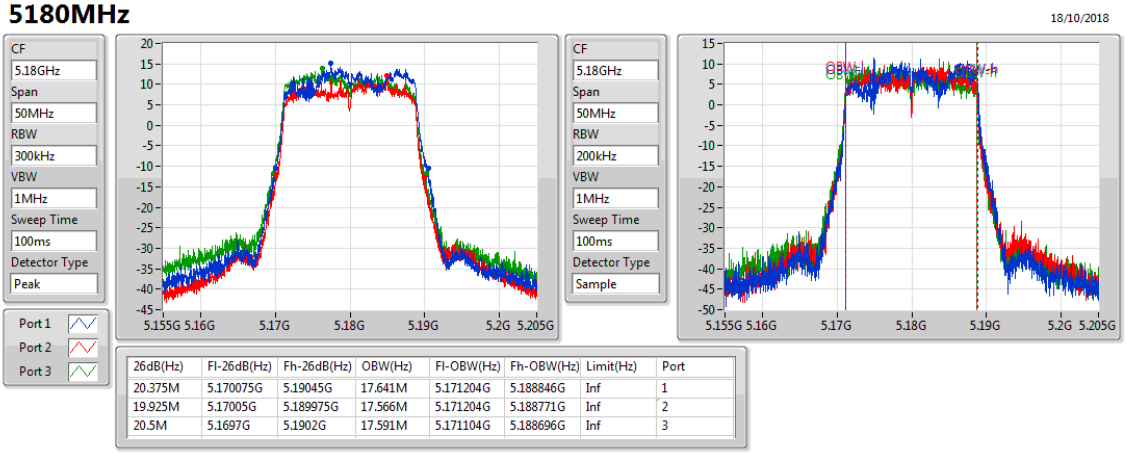
01/10/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.3M	5.7367G	5.813G	76.062M	5.736919G	5.812981G	500k	1
76.3M	5.7367G	5.813G	75.862M	5.736919G	5.812781G	500k	2
76.2M	5.737G	5.8132G	75.862M	5.737019G	5.812881G	500k	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

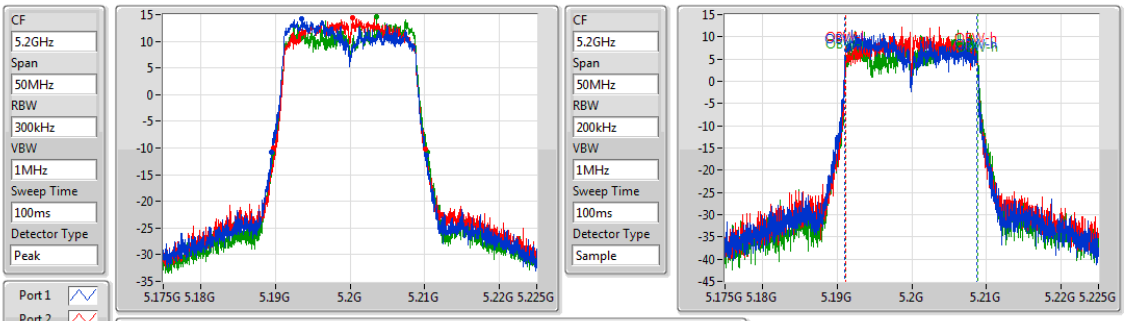
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.375M	5.170075G	5.19045G	17.641M	5.171204G	5.188846G	Inf	1
19.925M	5.17005G	5.189975G	17.566M	5.171204G	5.188771G	Inf	2
20.5M	5.1697G	5.1902G	17.591M	5.171104G	5.188696G	Inf	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

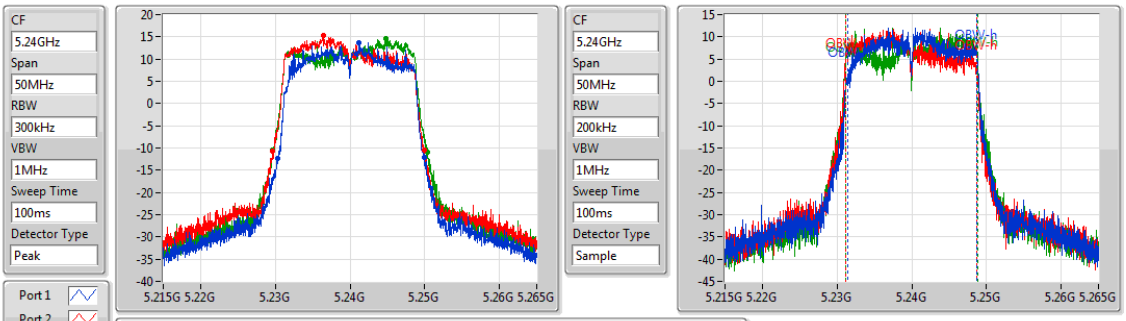
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.1895G	5.2102G	17.716M	5.191054G	5.208771G	Inf	1
20.325M	5.189775G	5.2101G	17.516M	5.191204G	5.208721G	Inf	2
20.75M	5.189675G	5.210425G	17.666M	5.191204G	5.208871G	Inf	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

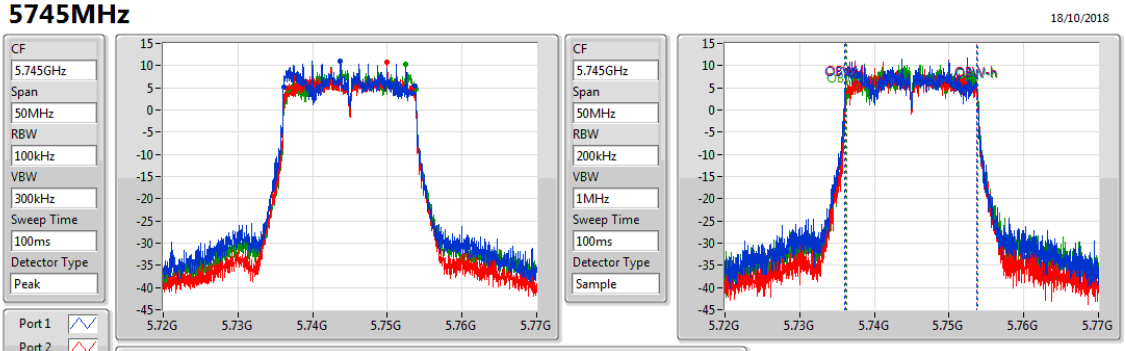
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.6M	5.230375G	5.249975G	17.291M	5.231479G	5.248771G	Inf	1
20.3M	5.229625G	5.249925G	17.566M	5.231104G	5.248671G	Inf	2
20.775M	5.229625G	5.2504G	17.691M	5.231104G	5.248796G	Inf	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

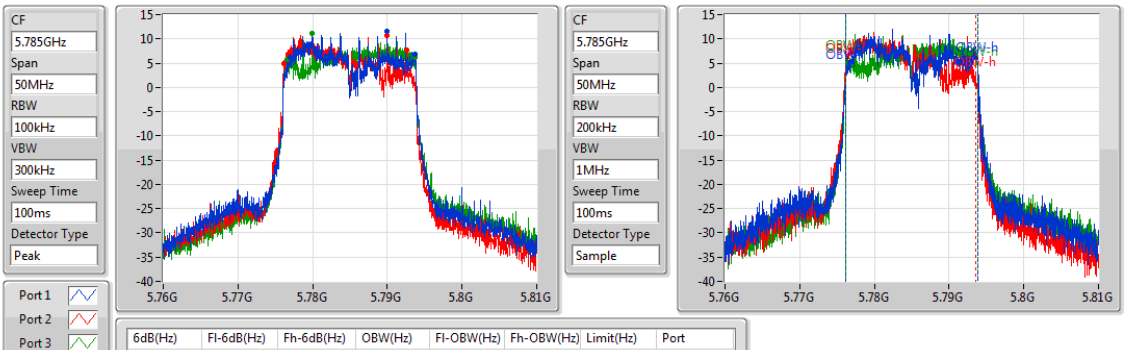
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.65M	5.7361G	5.75375G	17.741M	5.736029G	5.753771G	500k	1
16.825M	5.736625G	5.75345G	17.566M	5.736179G	5.753746G	500k	2
17M	5.736775G	5.753775G	17.541M	5.736279G	5.753821G	500k	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

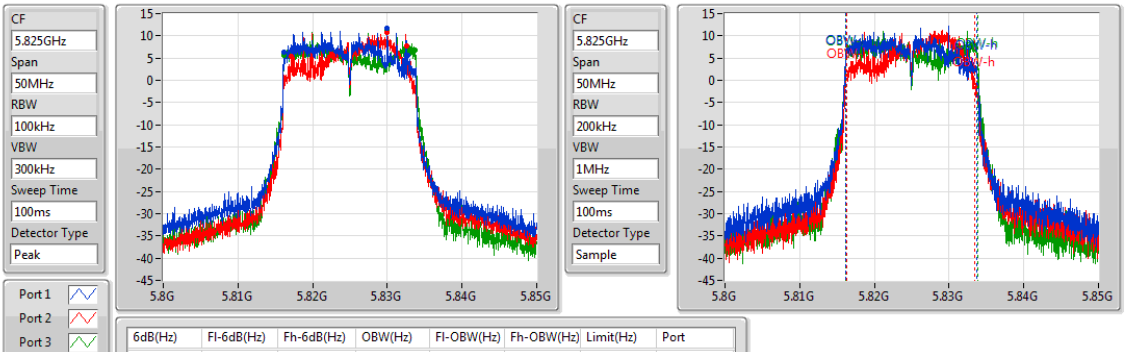
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.725M	5.777025G	5.79375G	17.666M	5.776179G	5.793846G	500k	1
16.35M	5.776175G	5.792525G	17.491M	5.776104G	5.793596G	500k	2
17.125M	5.776625G	5.79375G	17.666M	5.776154G	5.793821G	500k	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

5825MHz

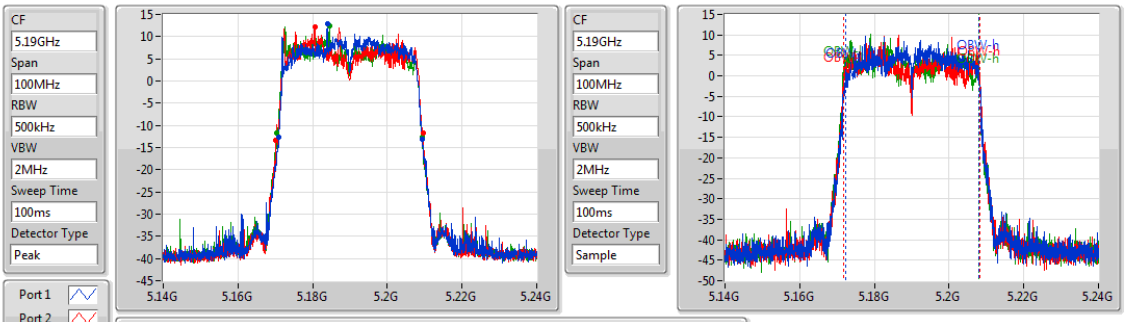


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.475M	5.8162G	5.832675G	17.516M	5.816129G	5.833646G	500k	1
15.325M	5.8172G	5.832525G	17.116M	5.816304G	5.833421G	500k	2
17.55M	5.8162G	5.83375G	17.716M	5.816129G	5.833846G	500k	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **EBW**

5190MHz

18/10/2018

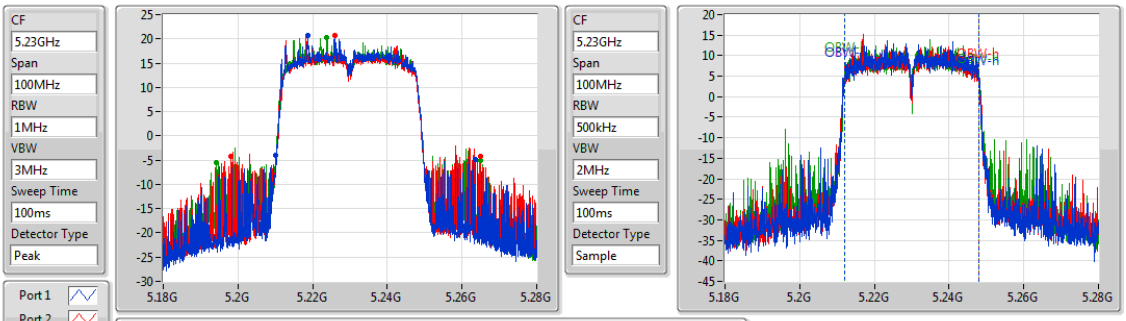


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.55M	5.17085G	5.2094G	35.582M	5.172309G	5.207891G	Inf	1
39.35M	5.17015G	5.2095G	36.282M	5.171859G	5.208141G	Inf	2
38.9M	5.17035G	5.20925G	36.132M	5.171759G	5.207891G	Inf	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **EBW**

5230MHz

18/10/2018

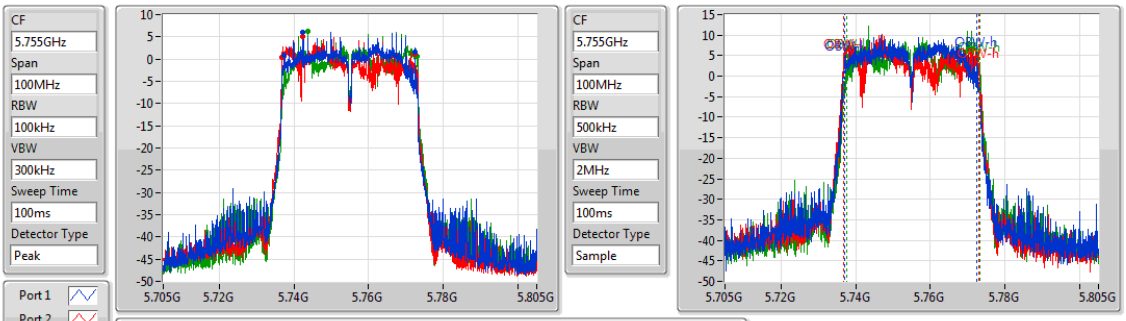


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.45M	5.21015G	5.2636G	35.932M	5.212009G	5.247941G	Inf	1
66.9M	5.198G	5.2649G	35.932M	5.211959G	5.247891G	Inf	2
70.8M	5.19415G	5.26495G	35.982M	5.212009G	5.247991G	Inf	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **EBW**

5755MHz

18/10/2018



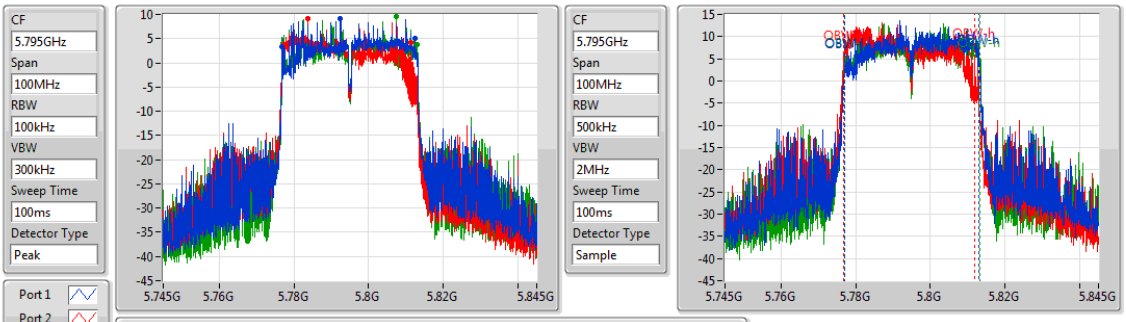
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	5.73745G	5.7725G	35.482M	5.736909G	5.772391G	500k	1
35.75M	5.73675G	5.7725G	36.332M	5.736709G	5.773041G	500k	2
35.5M	5.73745G	5.77295G	35.682M	5.737509G	5.773191G	500k	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5795MHz

18/10/2018



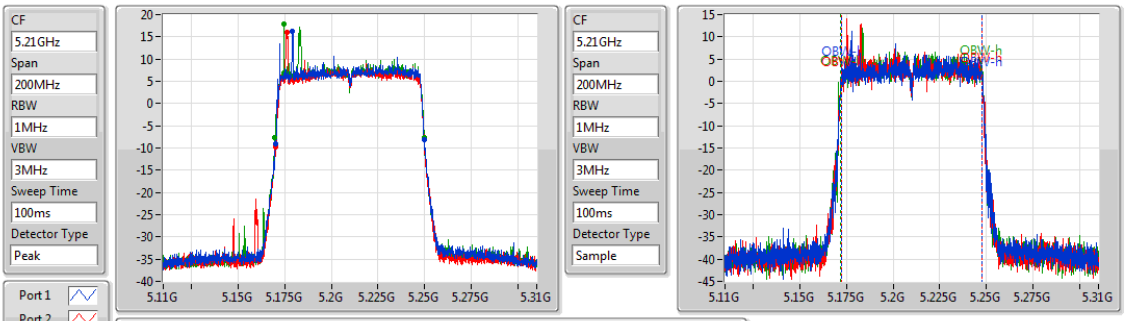
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	5.7768G	5.8125G	35.882M	5.777159G	5.813041G	500k	1
33.8M	5.77745G	5.81125G	35.082M	5.776809G	5.811892G	500k	2
35.9M	5.777G	5.8129G	36.232M	5.776959G	5.813191G	500k	3

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5210MHz

18/10/2018



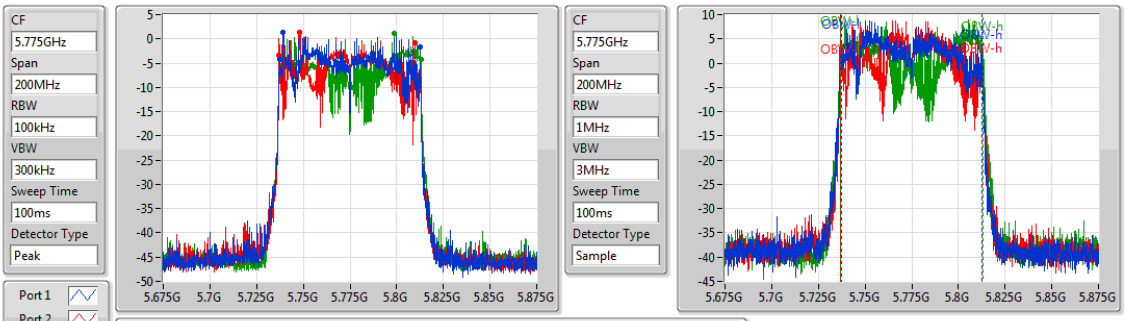
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.9M	5.1702G	5.2501G	75.662M	5.172219G	5.247881G	Inf	1
79.5M	5.1703G	5.2498G	75.562M	5.172219G	5.247781G	Inf	2
80M	5.1698G	5.2498G	75.862M	5.172019G	5.247881G	Inf	3

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5775MHz

18/10/2018



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75M	5.7375G	5.8125G	75.362M	5.737119G	5.812481G	500k	1
73.3M	5.7367G	5.81G	75.562M	5.736819G	5.812381G	500k	2
75.6M	5.7374G	5.813G	76.462M	5.736619G	5.813081G	500k	3

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	26.68	0.46559
802.11ac VHT20_Nss1,(MCS0)_3TX	26.90	0.48978
802.11ac VHT40_Nss1,(MCS0)_3TX	26.13	0.41020
802.11ac VHT80_Nss1,(MCS0)_3TX	19.46	0.08831
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	26.91	0.49091
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	26.76	0.47424
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	22.14	0.16368
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	29.89	0.97499
802.11ac VHT20_Nss1,(MCS0)_3TX	29.91	0.97949
802.11ac VHT40_Nss1,(MCS0)_3TX	27.27	0.53333
802.11ac VHT80_Nss1,(MCS0)_3TX	21.45	0.13964
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	26.12	0.40926
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	26.06	0.40365
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	21.07	0.12794

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	3.87	19.75	20.01	19.80	24.63	30.00
5200MHz	Pass	3.87	21.66	21.89	22.04	26.64	30.00
5240MHz	Pass	3.87	21.80	21.78	22.15	26.68	30.00
5745MHz	Pass	3.64	25.26	24.63	25.44	29.89	30.00
5785MHz	Pass	3.64	24.68	24.03	24.88	29.32	30.00
5825MHz	Pass	3.64	24.69	23.89	24.89	29.28	30.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	3.87	20.04	20.14	20.30	24.93	30.00
5200MHz	Pass	3.87	21.73	21.93	22.10	26.69	30.00
5240MHz	Pass	3.87	22.02	21.92	22.42	26.90	30.00
5745MHz	Pass	3.64	25.29	24.63	25.45	29.91	30.00
5785MHz	Pass	3.64	24.60	24.01	24.94	29.30	30.00
5825MHz	Pass	3.64	24.44	23.65	24.86	29.12	30.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	3.87	16.33	16.52	16.64	21.27	30.00
5230MHz	Pass	3.87	21.13	21.32	21.62	26.13	30.00
5755MHz	Pass	3.64	21.41	21.27	21.84	26.28	30.00
5795MHz	Pass	3.64	22.28	22.27	22.92	27.27	30.00
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	3.87	14.60	14.32	15.11	19.46	30.00
5775MHz	Pass	3.64	16.67	16.85	16.52	21.45	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	8.64	21.05	20.71	20.98	25.69	27.36
5200MHz	Pass	8.64	21.72	22.26	21.43	26.59	27.36
5240MHz	Pass	8.64	22.54	21.98	21.85	26.91	27.36
5745MHz	Pass	8.41	21.60	21.23	21.02	26.06	27.59
5785MHz	Pass	8.41	21.20	21.46	20.74	25.91	27.59
5825MHz	Pass	8.41	21.67	21.14	21.21	26.12	27.59
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	8.64	17.49	17.18	17.25	22.08	27.36
5230MHz	Pass	8.64	22.21	21.97	21.76	26.76	27.36
5755MHz	Pass	8.41	18.47	17.88	17.69	22.80	27.59
5795MHz	Pass	8.41	21.69	21.13	21.01	26.06	27.59
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	8.64	17.39	17.27	17.45	22.14	27.36
5775MHz	Pass	8.41	16.49	16.14	16.27	21.07	27.59

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_3TX	14.16
802.11ac VHT20_Nss1,(MCS0)_3TX	14.01
802.11ac VHT40_Nss1,(MCS0)_3TX	10.34
802.11ac VHT80_Nss1,(MCS0)_3TX	0.44
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	14.12
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	10.61
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	2.80
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_3TX	15.26
802.11ac VHT20_Nss1,(MCS0)_3TX	14.63
802.11ac VHT40_Nss1,(MCS0)_3TX	9.92
802.11ac VHT80_Nss1,(MCS0)_3TX	0.47
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	12.35
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	8.79
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	0.60

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

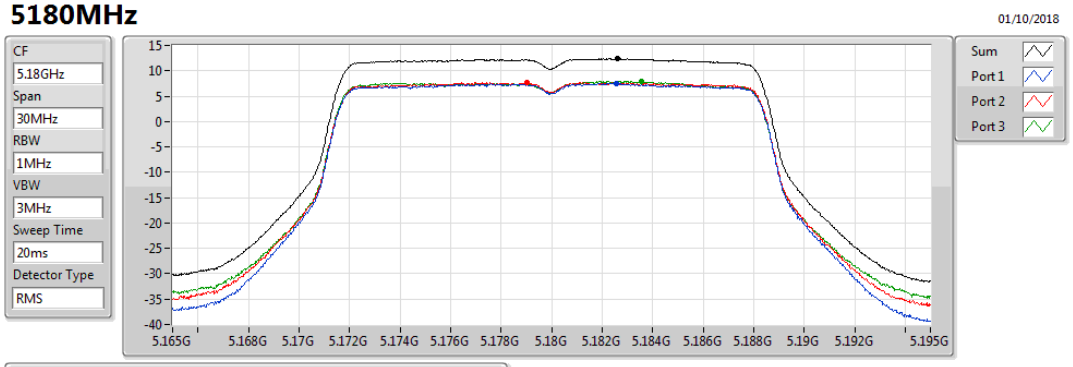
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	8.64	7.57	7.66	7.90	12.37	14.36
5200MHz	Pass	8.64	9.15	9.31	9.64	14.05	14.36
5240MHz	Pass	8.64	9.31	9.27	9.79	14.16	14.36
5745MHz	Pass	8.41	10.69	10.12	10.96	15.26	27.59
5785MHz	Pass	8.41	10.54	9.85	10.71	15.03	27.59
5825MHz	Pass	8.41	10.39	9.44	10.66	14.86	27.59
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	8.64	7.08	7.09	7.36	11.78	14.36
5200MHz	Pass	8.64	9.05	9.16	9.47	13.86	14.36
5240MHz	Pass	8.64	9.17	9.06	9.83	14.01	14.36
5745MHz	Pass	8.41	10.24	9.47	10.31	14.63	27.59
5785MHz	Pass	8.41	9.91	9.14	10.07	14.31	27.59
5825MHz	Pass	8.41	9.77	8.97	10.15	14.26	27.59
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	8.64	0.35	0.57	0.73	5.23	14.36
5230MHz	Pass	8.64	5.38	5.47	6.03	10.34	14.36
5755MHz	Pass	8.41	4.12	4.12	4.50	8.94	27.59
5795MHz	Pass	8.41	4.94	5.14	5.63	9.92	27.59
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	8.64	-4.21	-4.27	-3.93	0.44	14.36
5775MHz	Pass	8.41	-4.08	-4.09	-4.05	0.47	27.59
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	8.64	10.10	8.86	8.70	13.18	14.36
5200MHz	Pass	8.64	10.59	10.26	10.34	13.65	14.36
5240MHz	Pass	8.64	11.34	10.46	10.50	14.12	14.36
5745MHz	Pass	8.41	9.06	6.89	8.41	11.80	27.59
5785MHz	Pass	8.41	8.77	9.04	8.15	12.34	27.59
5825MHz	Pass	8.41	8.66	9.42	7.86	12.35	27.59
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	8.64	2.92	2.60	3.39	6.28	14.36
5230MHz	Pass	8.64	6.21	5.74	6.35	10.61	14.36
5755MHz	Pass	8.41	2.77	2.55	2.18	5.91	27.59
5795MHz	Pass	8.41	5.06	5.66	5.58	8.79	27.59
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	8.64	-1.75	-1.95	-1.58	2.80	14.36
5775MHz	Pass	8.41	-2.02	-1.48	-2.49	0.60	27.59

DG = Directional Gain; **RBW** = 500kHz 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 Xpower density;

802.11a_Nss1,(6Mbps)_3TX **PSD**

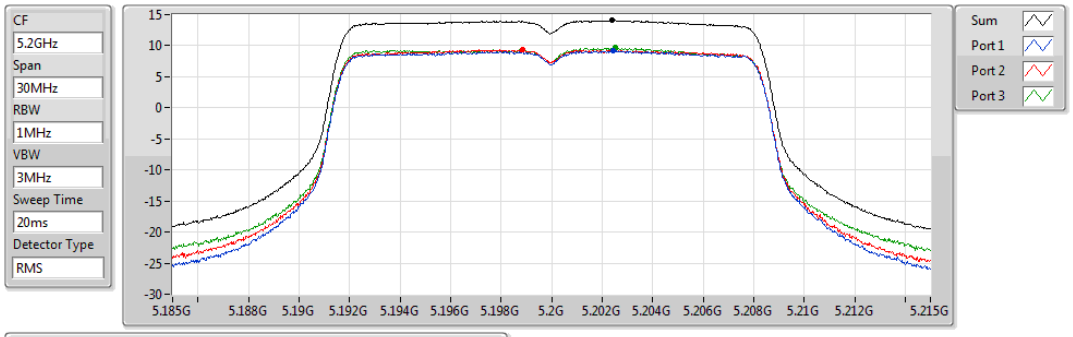
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.37	12.37	7.57	7.66	7.90

802.11a_Nss1,(6Mbps)_3TX **PSD**

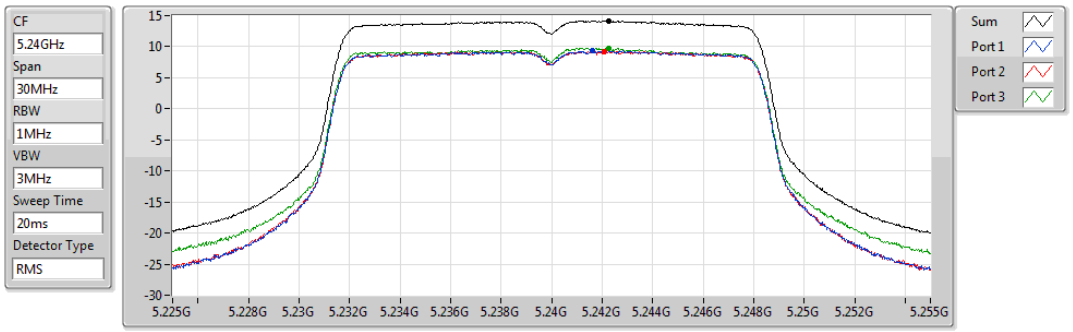
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.05	14.05	9.15	9.31	9.64

802.11a_Nss1,(6Mbps)_3TX **PSD**

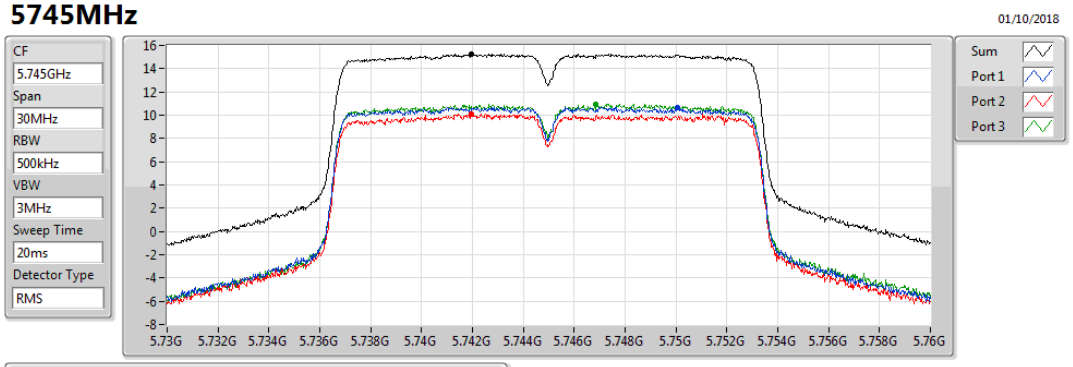
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.16	14.16	9.31	9.27	9.79

802.11a_Nss1,(6Mbps)_3TX **PSD**

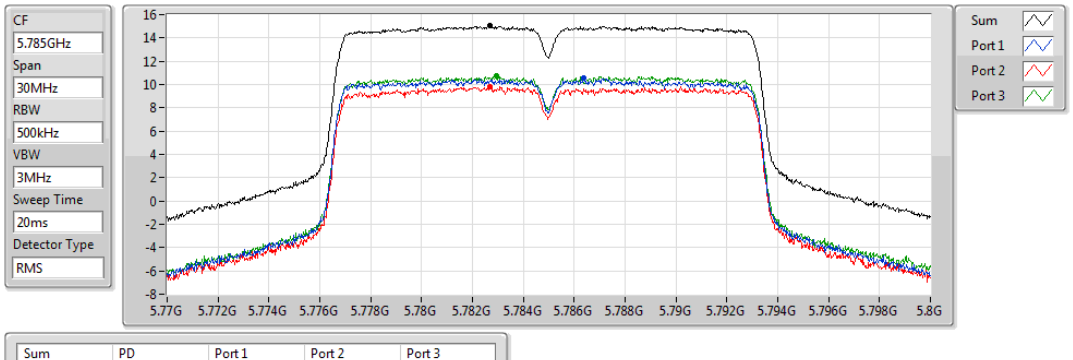
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.26	15.26	10.69	10.12	10.96

802.11a_Nss1,(6Mbps)_3TX **PSD**

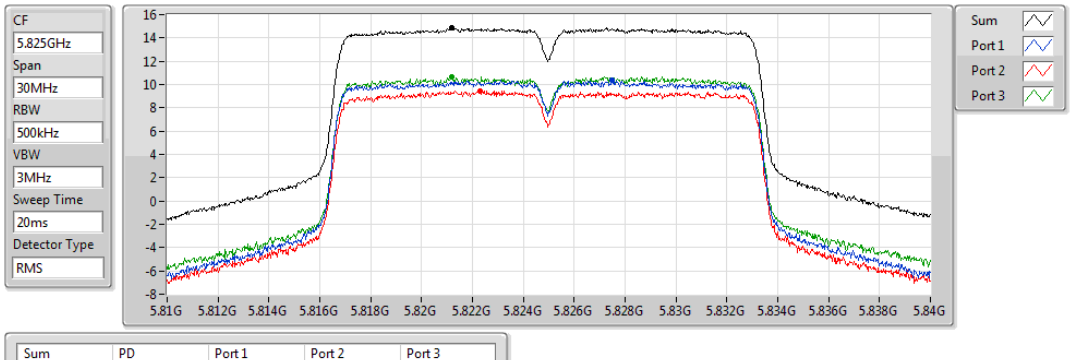
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.03	15.03	10.54	9.85	10.71

802.11a_Nss1,(6Mbps)_3TX **PSD**

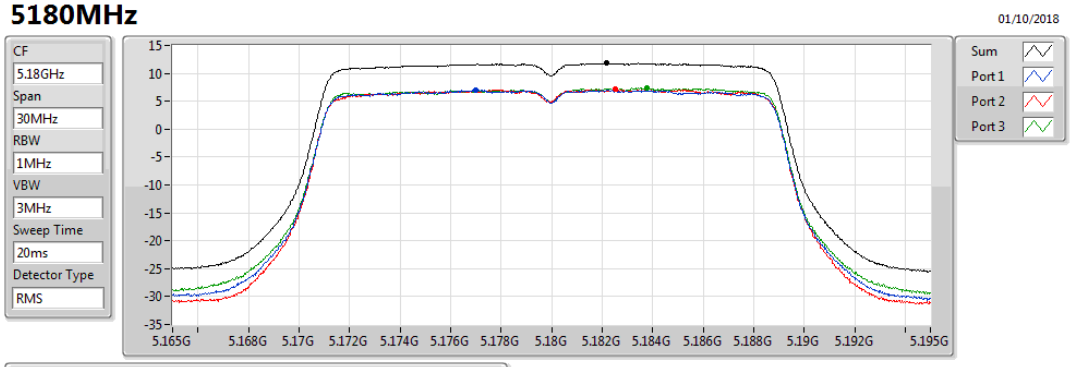
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.86	14.86	10.39	9.44	10.66

802.11ac VHT20_Nss1,(MCS0)_3TX **PSD**

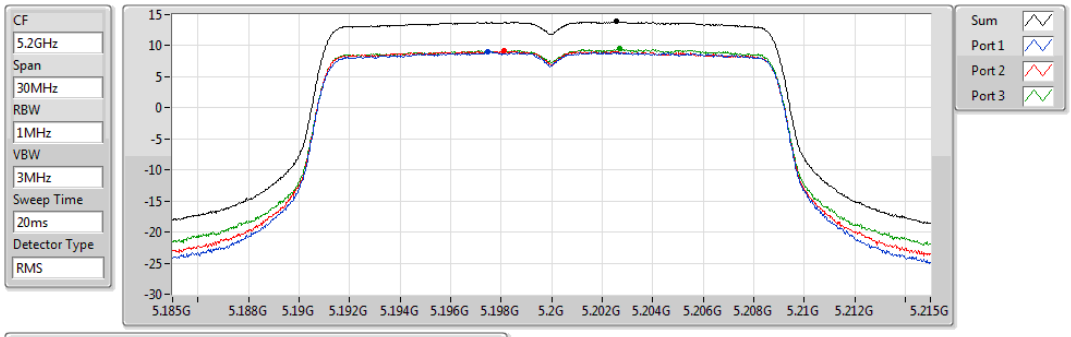
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.78	11.78	7.08	7.09	7.36

802.11ac VHT20_Nss1,(MCS0)_3TX **PSD**

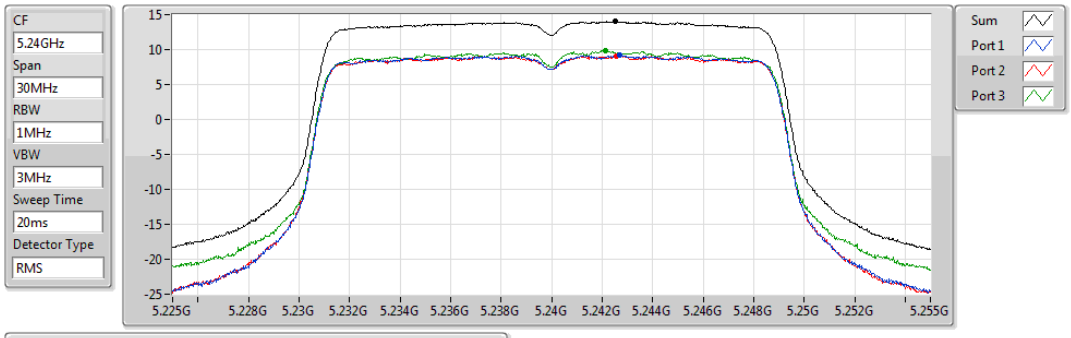
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.86	13.86	9.05	9.16	9.47

802.11ac VHT20_Nss1,(MCS0)_3TX **PSD**

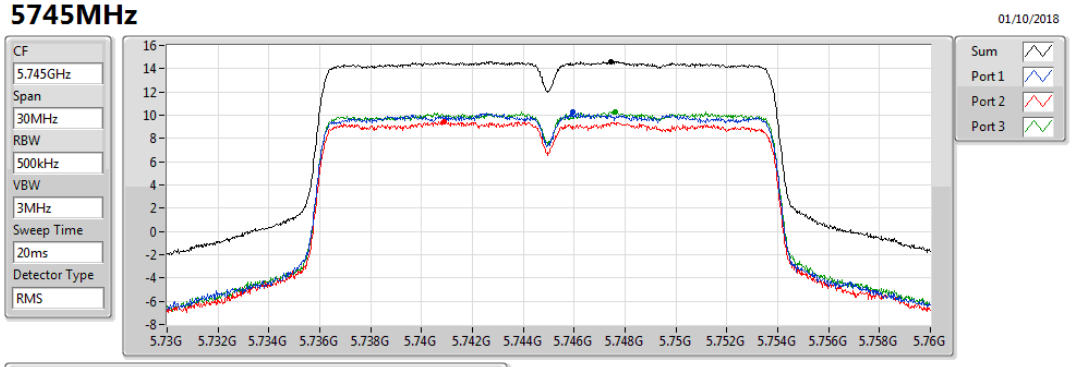
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.01	14.01	9.17	9.06	9.83

802.11ac VHT20_Nss1,(MCS0)_3TX **PSD**

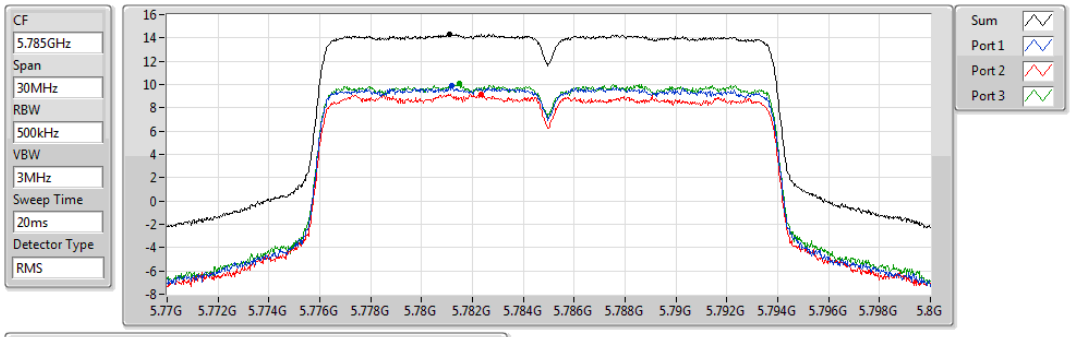
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.63	14.63	10.24	9.47	10.31

802.11ac VHT20_Nss1,(MCS0)_3TX **PSD**

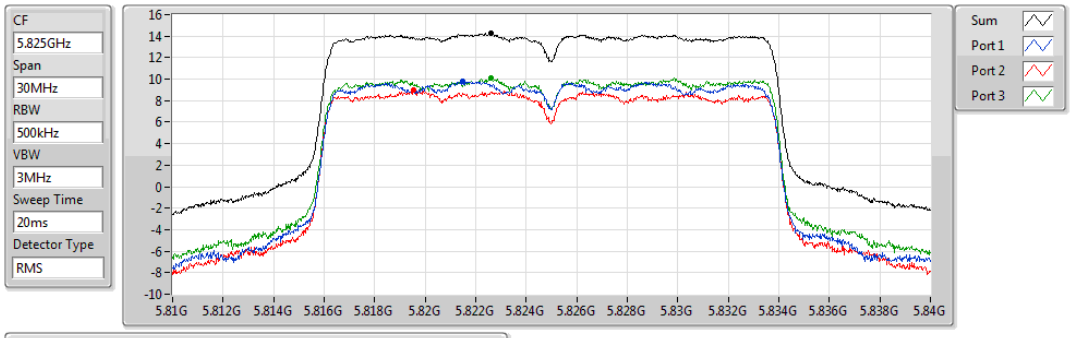
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.31	14.31	9.91	9.14	10.07

802.11ac VHT20_Nss1,(MCS0)_3TX **PSD**

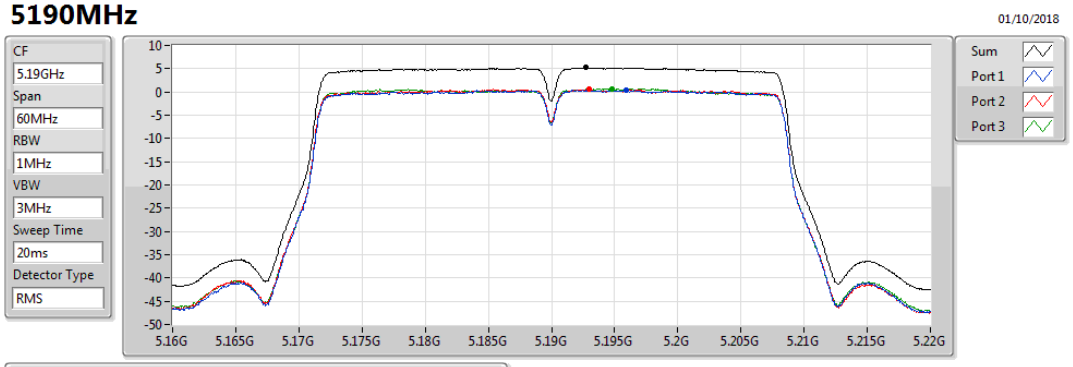
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.26	14.26	9.77	8.97	10.15

802.11ac VHT40_Nss1,(MCS0)_3TX **PSD**

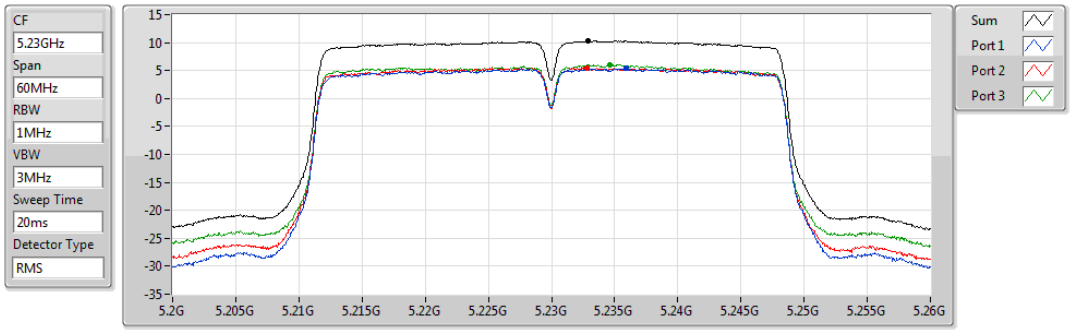
5190MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.23	5.23	0.35	0.57	0.73

802.11ac VHT40_Nss1,(MCS0)_3TX **PSD**

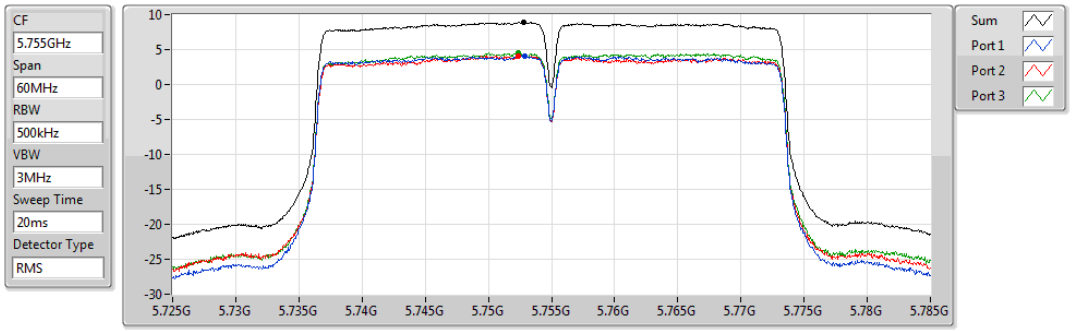
5230MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.34	10.34	5.38	5.47	6.03

802.11ac VHT40_Nss1,(MCS0)_3TX **PSD**

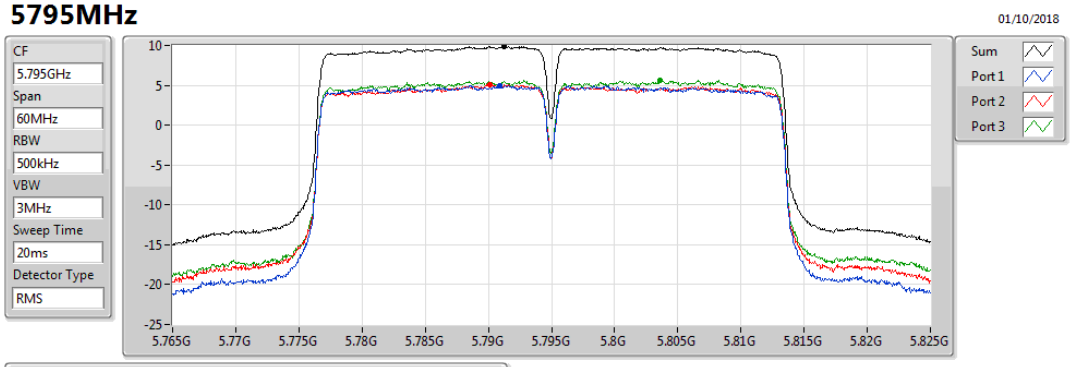
5755MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.94	8.94	4.12	4.12	4.50

802.11ac VHT40_Nss1,(MCS0)_3TX **PSD**

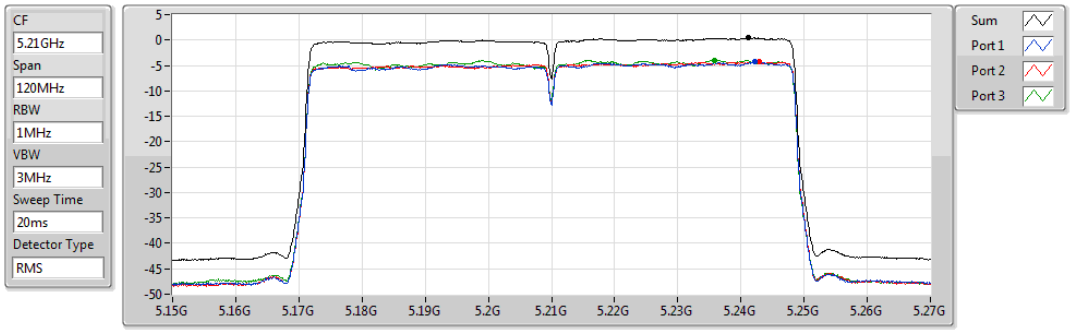
5795MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.92	9.92	4.94	5.14	5.63

802.11ac VHT80_Nss1,(MCS0)_3TX **PSD**

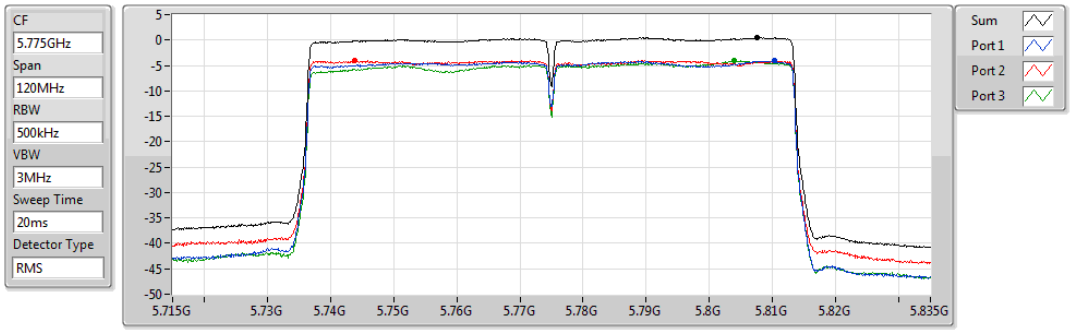
5210MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.44	0.44	-4.21	-4.27	-3.93

802.11ac VHT80_Nss1,(MCS0)_3TX **PSD**

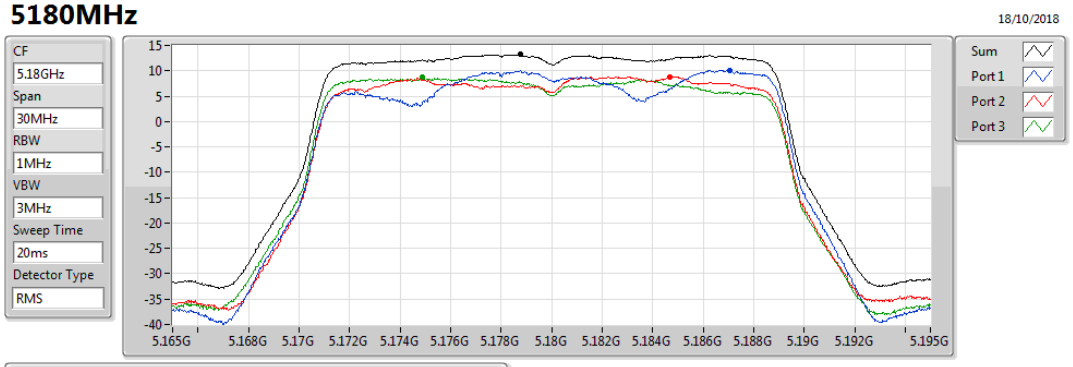
5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.47	0.47	-4.08	-4.09	-4.05

802.11ac VHT20-BF_Nss1,(MCS0)_3TX **PSD**

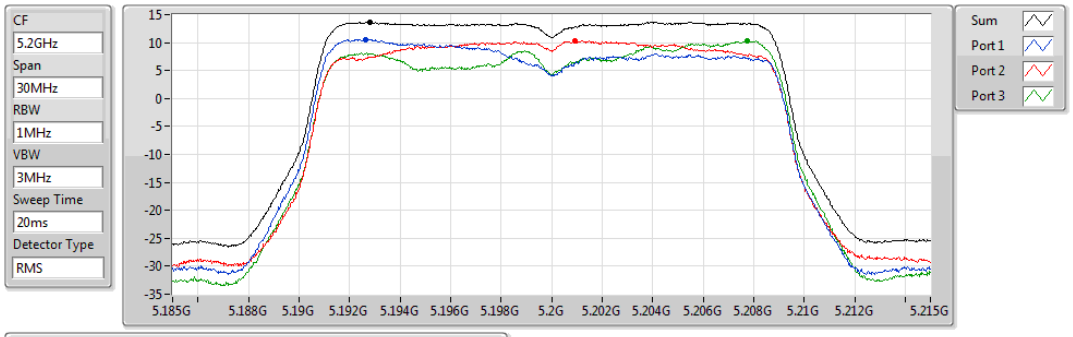
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.18	13.18	10.10	8.86	8.70

802.11ac VHT20-BF_Nss1,(MCS0)_3TX **PSD**

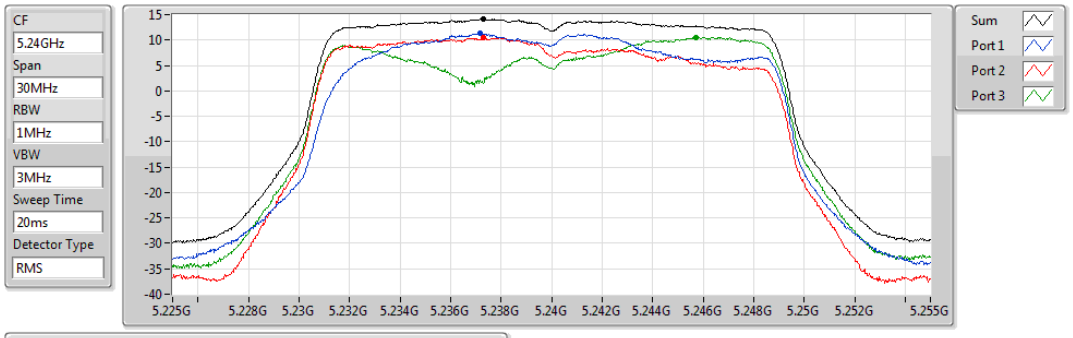
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.65	13.65	10.59	10.26	10.34

802.11ac VHT20-BF_Nss1,(MCS0)_3TX **PSD**

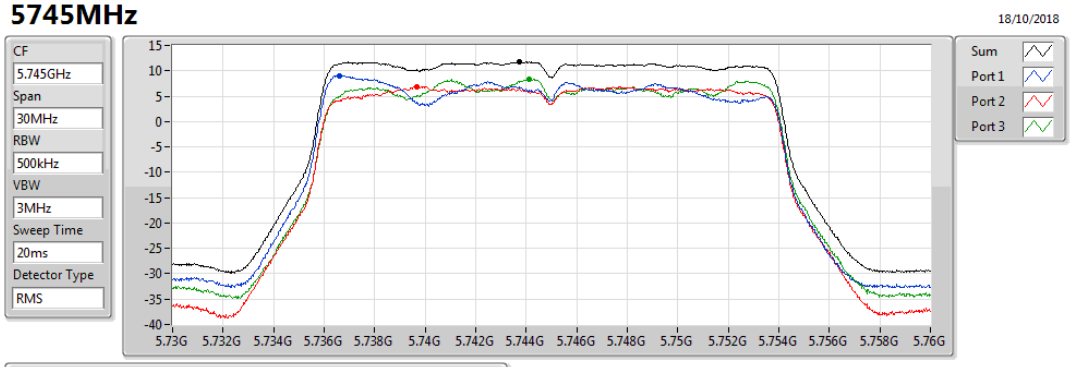
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.12	14.12	11.34	10.46	10.50

802.11ac VHT20-BF_Nss1,(MCS0)_3TX **PSD**

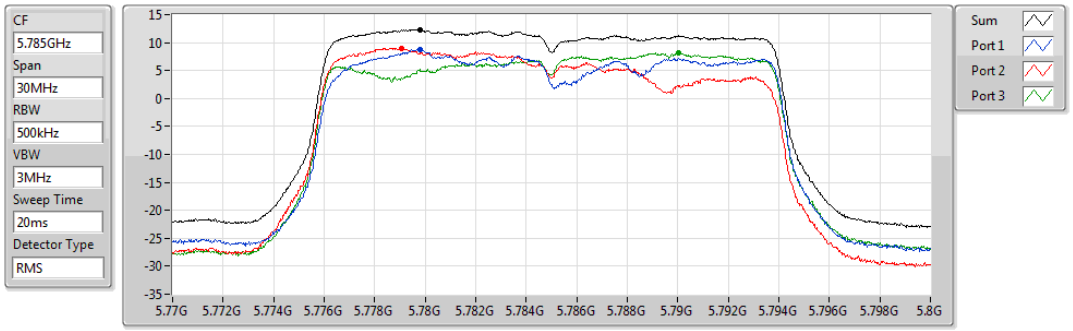
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.80	11.80	9.06	6.89	8.41

802.11ac VHT20-BF_Nss1,(MCS0)_3TX **PSD**

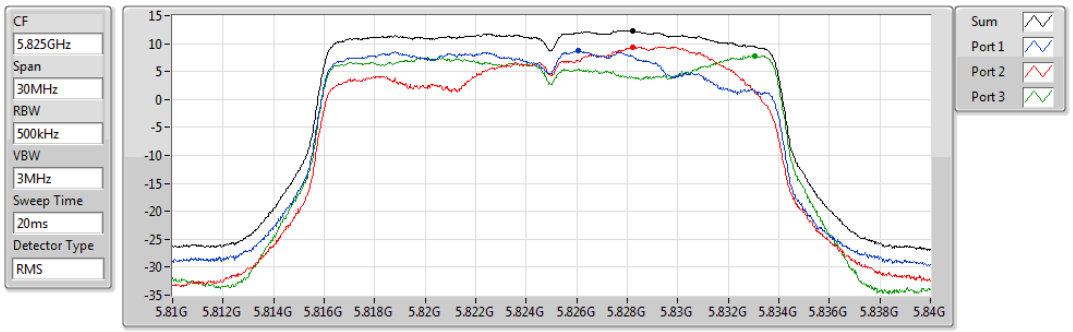
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.34	12.34	8.77	9.04	8.15

802.11ac VHT20-BF_Nss1,(MCS0)_3TX **PSD**

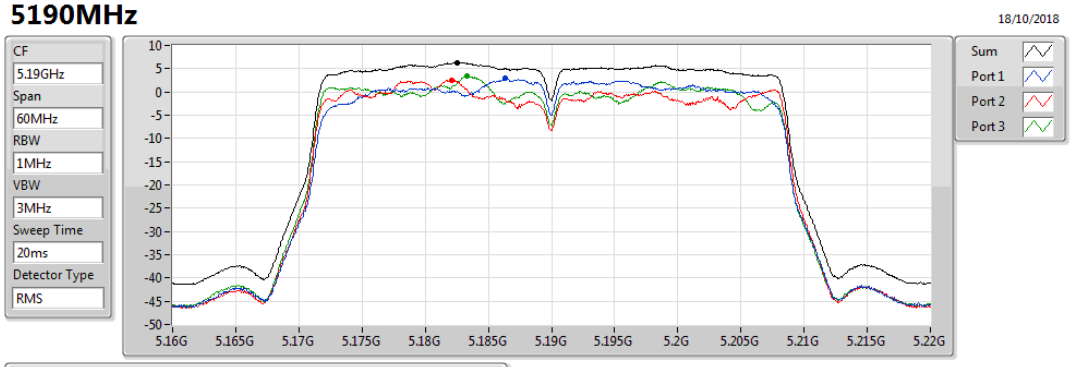
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.35	12.35	8.66	9.42	7.86

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **PSD**

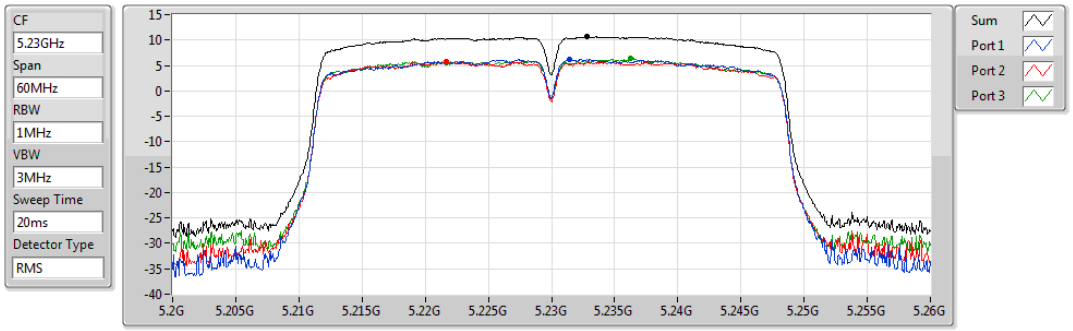
5190MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.28	6.28	2.92	2.60	3.39

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **PSD**

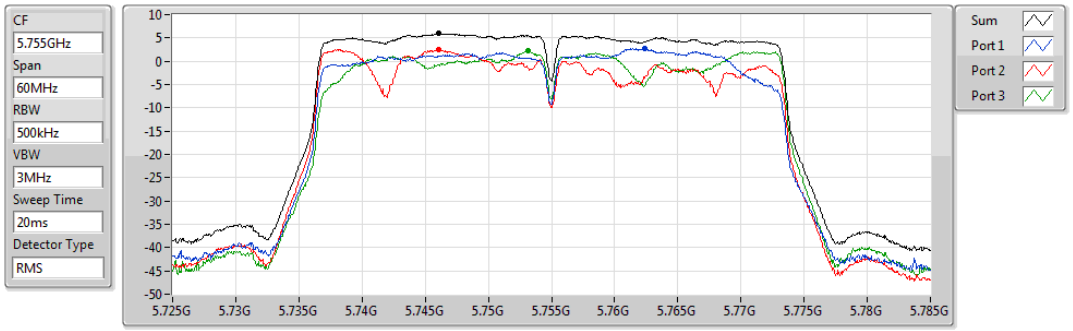
5230MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	6.21	5.74	6.35

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **PSD**

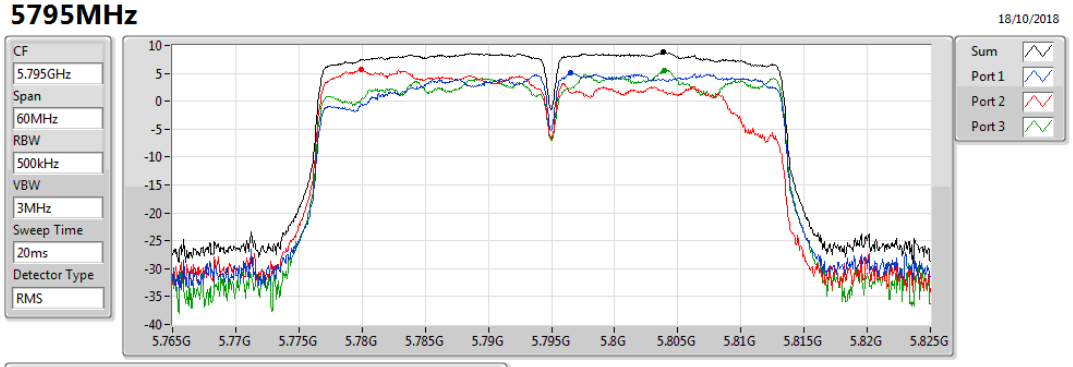
5755MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.91	5.91	2.77	2.55	2.18

802.11ac VHT40-BF_Nss1,(MCS0)_3TX **PSD**

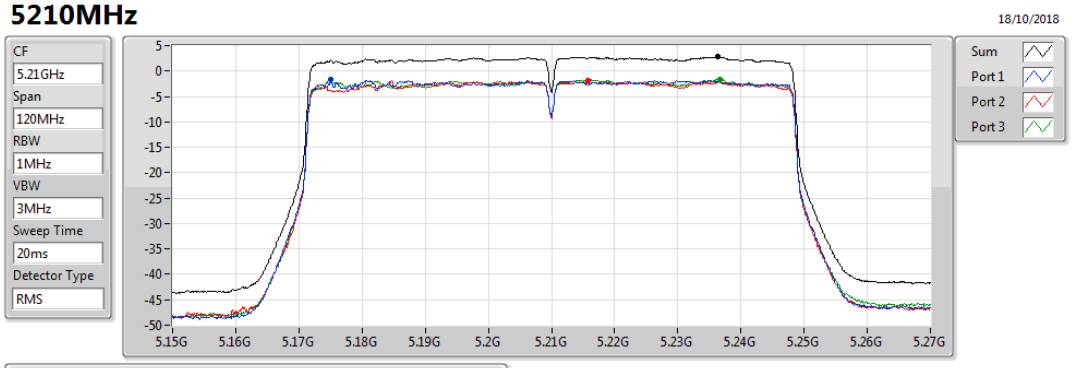
5795MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.79	8.79	5.06	5.66	5.58

802.11ac VHT80-BF_Nss1,(MCS0)_3TX **PSD**

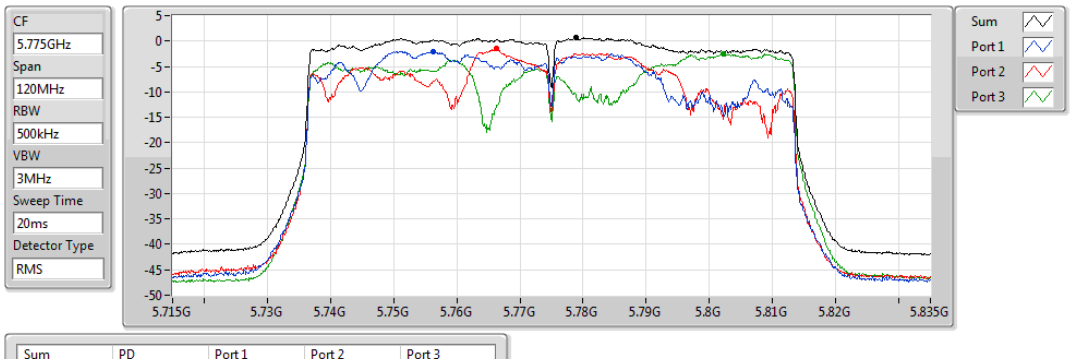
5210MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.80	2.80	-1.75	-1.95	-1.58

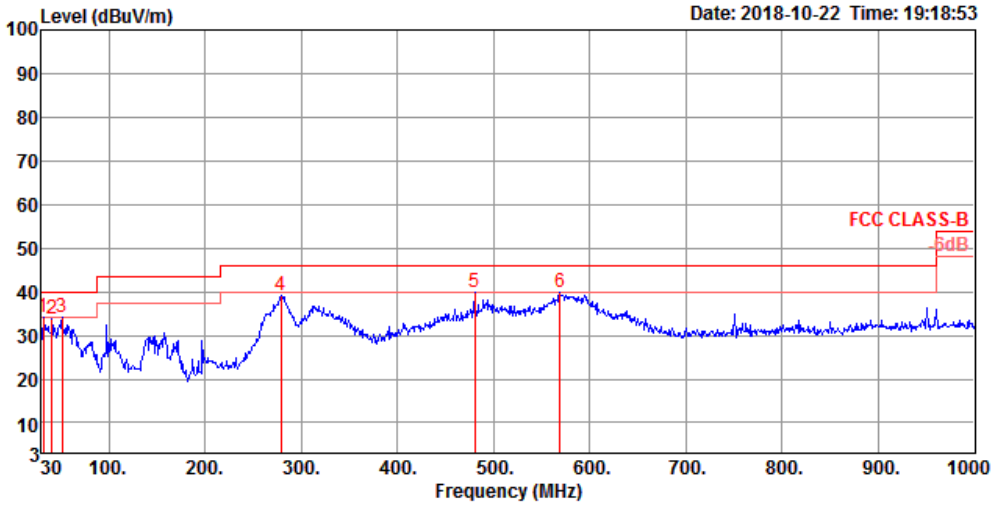
802.11ac VHT80-BF_Nss1,(MCS0)_3TX **PSD**

5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.60	0.60	-2.02	-1.48	-2.49

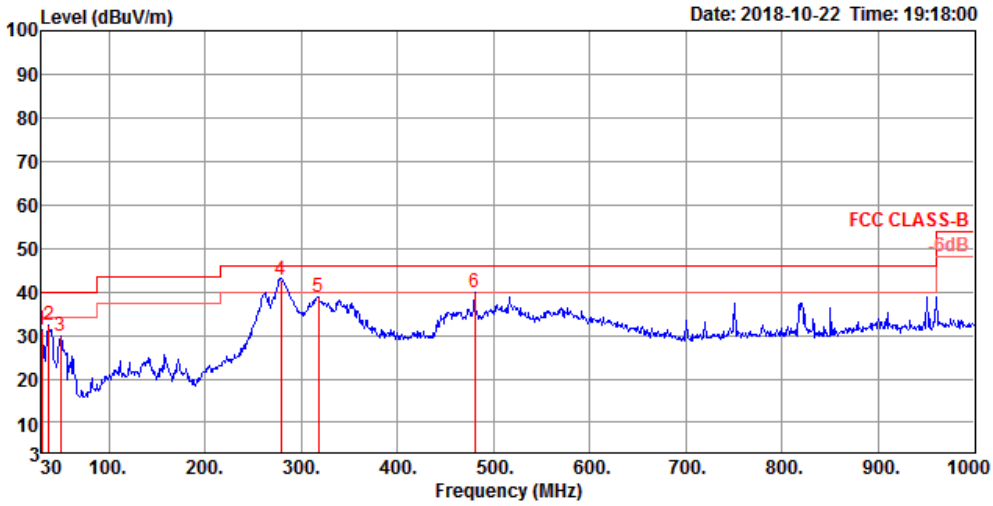
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	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	31.94	34.22	40.00	-5.78	37.93	0.99	23.84	28.54	300	177	Peak	VERTICAL
2	40.67	33.88	40.00	-6.12	42.17	1.19	19.06	28.54	300	2	Peak	VERTICAL
3	51.34	33.98	40.00	-6.02	47.28	1.40	13.84	28.54	100	138	Peak	VERTICAL
4	279.29	39.12	46.00	-6.88	46.05	2.53	18.44	27.90	200	221	Peak	VERTICAL
5	480.08	39.96	46.00	-6.04	43.27	2.87	22.97	29.15	200	218	Peak	VERTICAL
6	569.32	39.79	46.00	-6.21	42.38	2.40	24.37	29.36	125	142	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	30.00	31.36	40.00	-8.64	34.03	0.97	24.91	28.55	200	310	Peak	HORIZONTAL
2	37.76	32.29	40.00	-7.71	39.01	1.10	20.72	28.54	200	310	Peak	HORIZONTAL
3	49.40	29.78	40.00	-10.22	42.34	1.43	14.55	28.54	150	209	Peak	HORIZONTAL
4	279.29	42.67	46.00	-3.33	49.60	2.53	18.44	27.90	140	83	QP	HORIZONTAL
5	318.09	38.86	46.00	-7.14	45.64	2.17	19.05	28.00	150	111	Peak	HORIZONTAL
6	480.08	39.82	46.00	-6.18	43.13	2.87	22.97	29.15	100	251	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.)

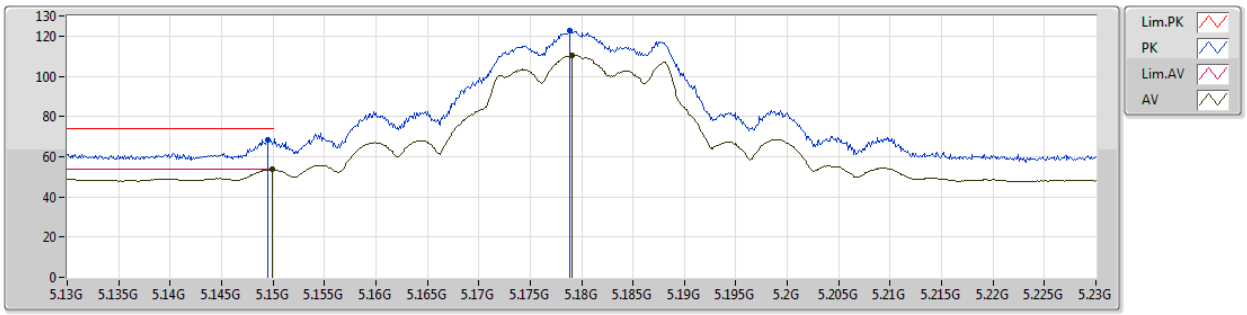
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	Pass	PK	5.926G	68.17	68.20	-0.03	7.33	3	Vertical	219	1.99	-

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

18/10/2018



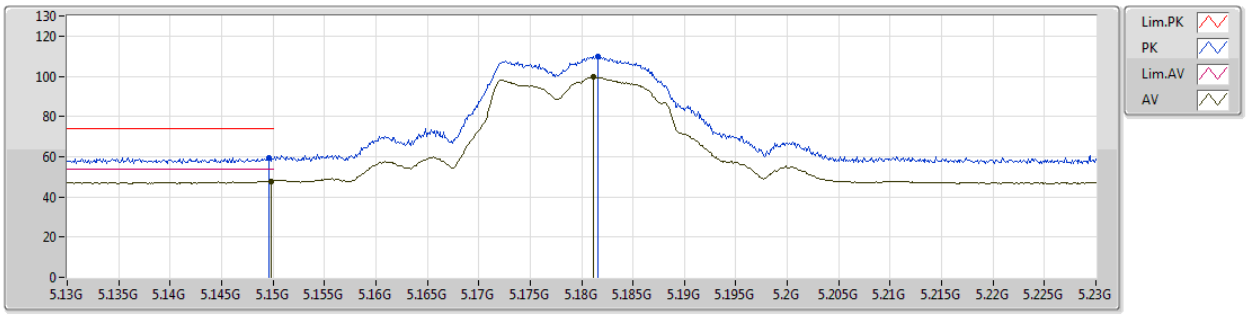
EUT Z_3TX
Setting 21
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1495G	68.24	74.00	-5.76	6.15	3	Vertical	232	1.01	-
AV	5.1499G	53.65	54.00	-0.35	6.15	3	Vertical	232	1.01	-
PK	5.1789G	122.54	Inf	-Inf	6.18	3	Vertical	232	1.01	-
AV	5.1791G	110.59	Inf	-Inf	6.18	3	Vertical	232	1.01	-

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

18/10/2018



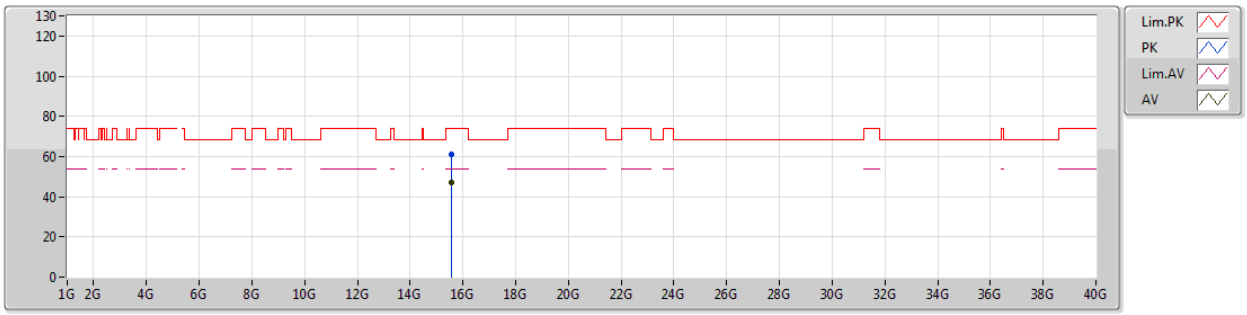
EUT Z_3TX
Setting 21
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1496G	59.66	74.00	-14.34	6.15	3	Horizontal	46	1.06	-
AV	5.1498G	47.86	54.00	-6.14	6.15	3	Horizontal	46	1.06	-
PK	5.1816G	109.79	Inf	-Inf	6.19	3	Horizontal	46	1.06	-
AV	5.1812G	99.67	Inf	-Inf	6.19	3	Horizontal	46	1.06	-

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

18/10/2018



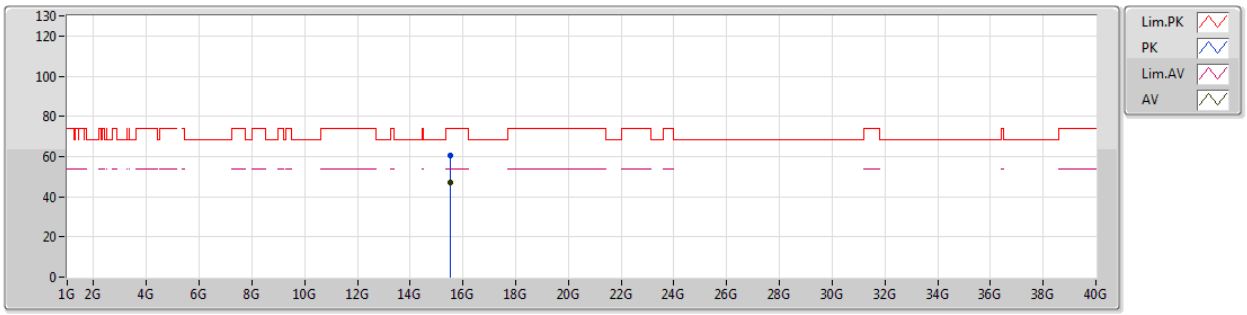
EUT Z_3TX
Setting 21
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.54972G	61.23	74.00	-12.77	16.21	3	Vertical	0	1.45	-
AV	15.5538G	47.18	54.00	-6.82	16.20	3	Vertical	0	1.45	-

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

18/10/2018



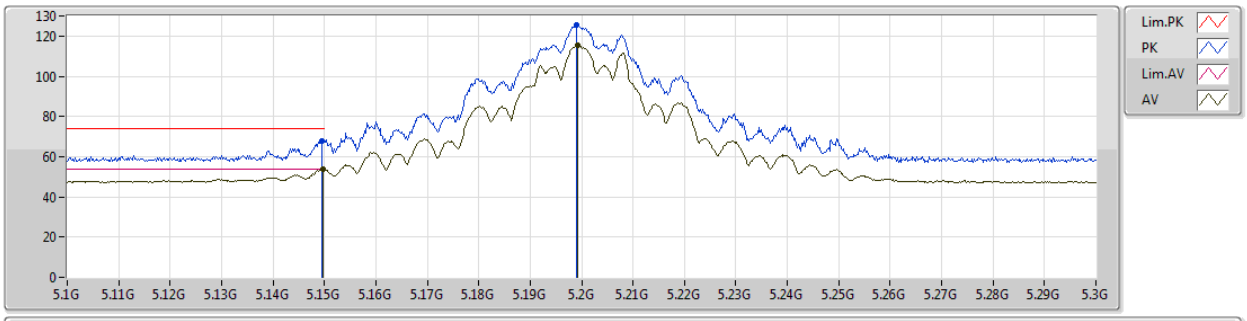
EUT Z_3TX
Setting 21
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5265G	60.57	74.00	-13.43	16.29	3	Horizontal	0	1.50	-
AV	15.53229G	47.23	54.00	-6.77	16.27	3	Horizontal	0	1.50	-

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX

18/10/2018



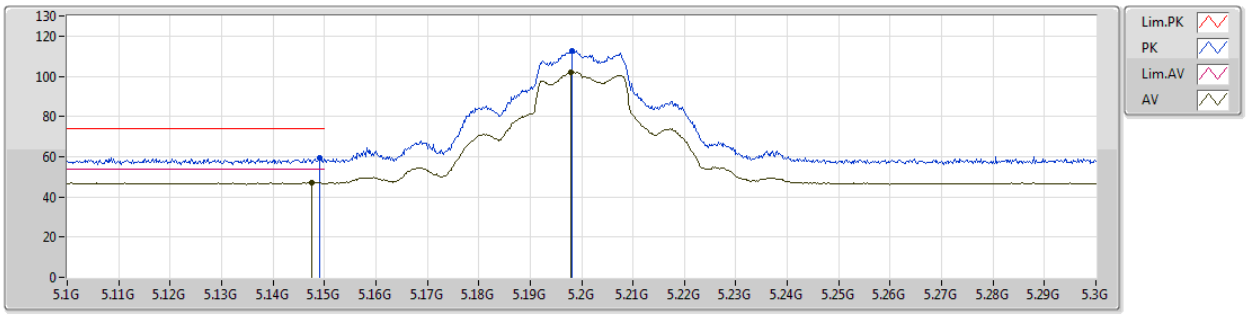
EUT Z_3TX
Setting 24.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1494G	68.01	74.00	-5.99	6.15	3	Vertical	233	1.03	-
AV	5.1498G	53.92	54.00	-0.08	6.15	3	Vertical	233	1.03	-
PK	5.199G	125.77	Inf	-Inf	6.22	3	Vertical	233	1.03	-
AV	5.1992G	115.45	Inf	-Inf	6.22	3	Vertical	233	1.03	-

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX

18/10/2018



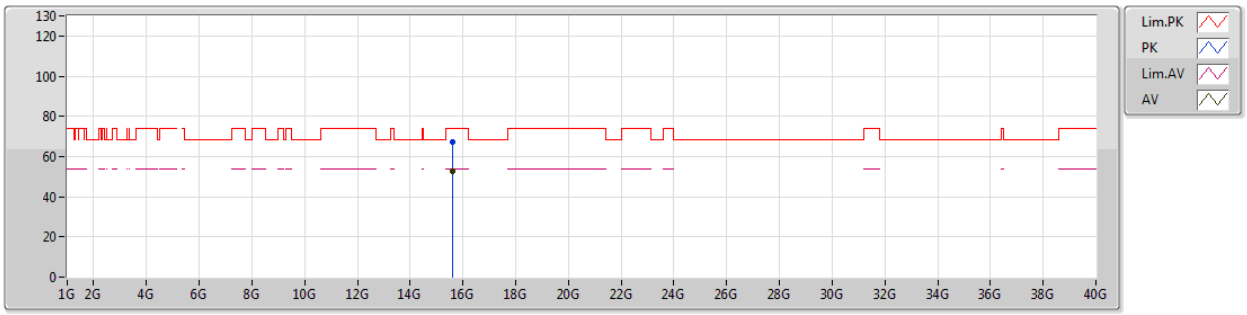
EUT Z_3TX
Setting 24.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149G	59.43	74.00	-14.57	6.15	3	Horizontal	22	1.28	-
AV	5.1476G	47.27	54.00	-6.73	6.15	3	Horizontal	22	1.28	-
PK	5.1982G	112.90	Inf	-Inf	6.22	3	Horizontal	22	1.28	-
AV	5.198G	101.92	Inf	-Inf	6.22	3	Horizontal	22	1.28	-

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX

18/10/2018



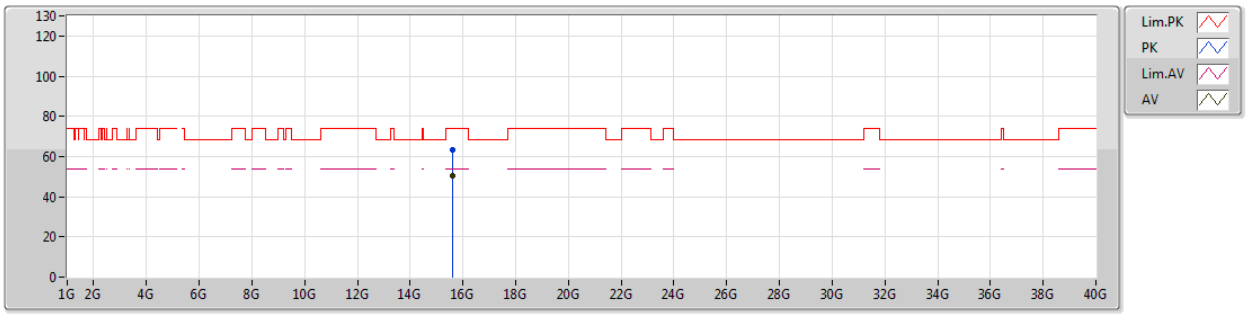
EUT Z_3TX
Setting 24.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.60216G	67.30	74.00	-6.70	16.03	3	Vertical	105	1.85	-
AV	15.60312G	52.81	54.00	-1.19	16.03	3	Vertical	105	1.85	-

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX

18/10/2018



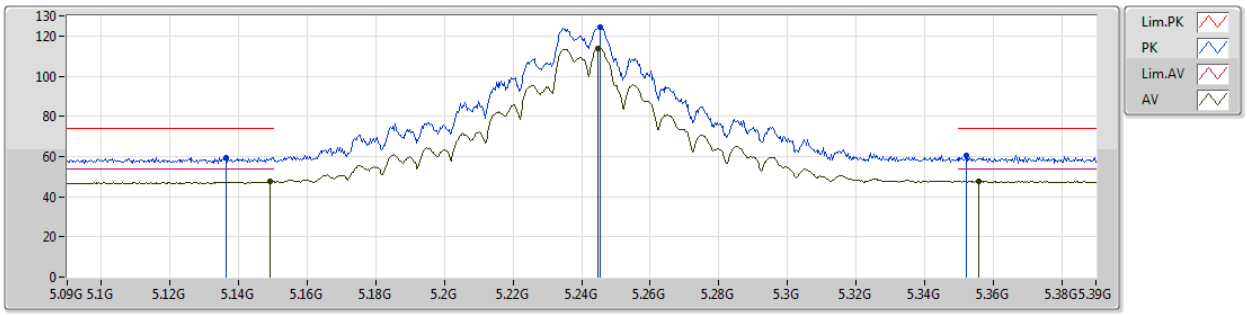
EUT Z_3TX
Setting 24.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.59919G	63.54	74.00	-10.46	16.04	3	Horizontal	232	1.88	-
AV	15.59943G	50.29	54.00	-3.71	16.04	3	Horizontal	232	1.88	-

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

18/10/2018



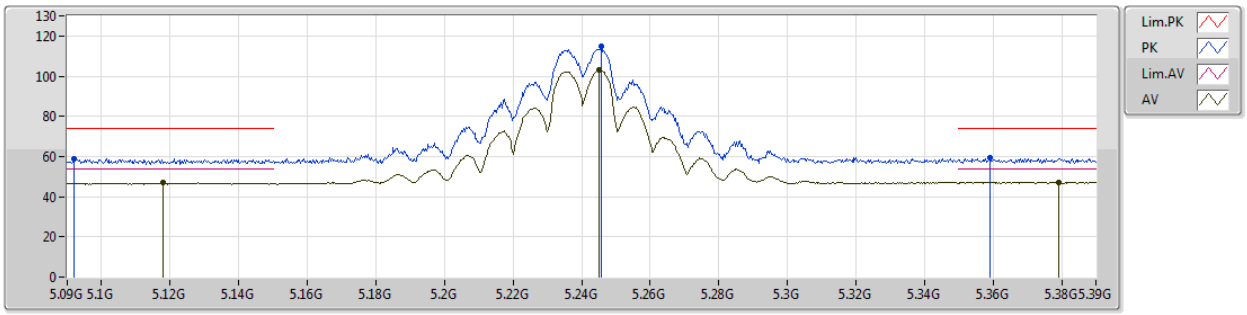
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1362G	59.47	74.00	-14.53	6.13	3	Vertical	360	1.99	-
AV	5.1491G	47.52	54.00	-6.48	6.15	3	Vertical	360	1.99	-
PK	5.2454G	124.18	Inf	-Inf	6.34	3	Vertical	360	1.99	-
AV	5.2448G	113.81	Inf	-Inf	6.34	3	Vertical	360	1.99	-
PK	5.3522G	60.69	74.00	-13.31	6.61	3	Vertical	360	1.99	-
AV	5.3558G	47.81	54.00	-6.19	6.62	3	Vertical	360	1.99	-

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

18/10/2018



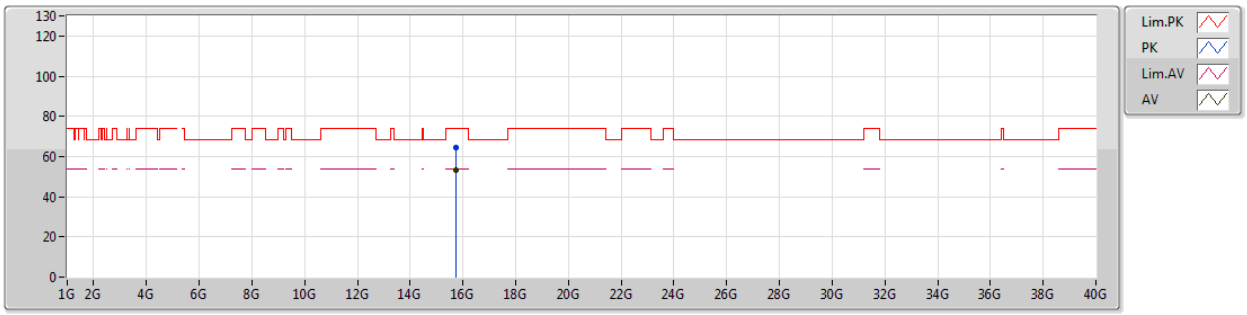
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0921G	59.11	74.00	-14.89	6.05	3	Horizontal	350	1.24	-
AV	5.1179G	46.83	54.00	-7.17	6.09	3	Horizontal	350	1.24	-
PK	5.2457G	115.12	Inf	-Inf	6.34	3	Horizontal	350	1.24	-
AV	5.2451G	103.00	Inf	-Inf	6.34	3	Horizontal	350	1.24	-
PK	5.3591G	59.35	74.00	-14.65	6.63	3	Horizontal	350	1.24	-
AV	5.3792G	47.24	54.00	-6.76	6.68	3	Horizontal	350	1.24	-

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

18/10/2018



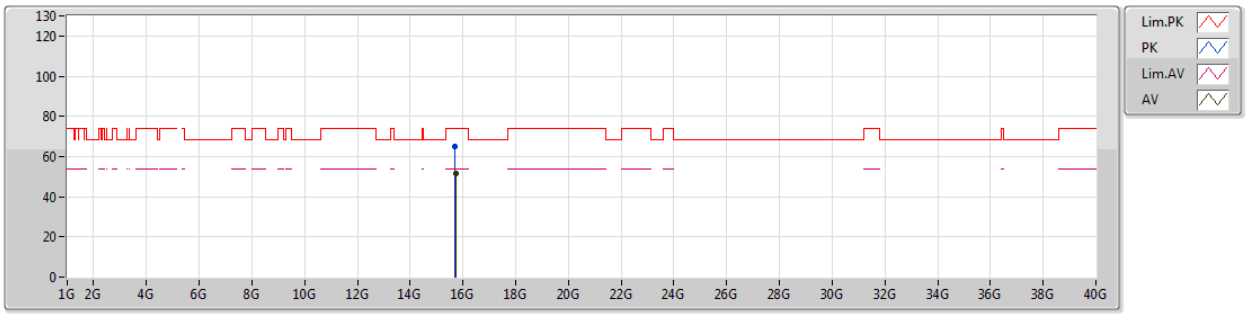
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72066G	64.23	74.00	-9.77	15.63	3	Vertical	36	1.20	-
AV	15.72051G	53.10	54.00	-0.90	15.63	3	Vertical	36	1.20	-

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

18/10/2018



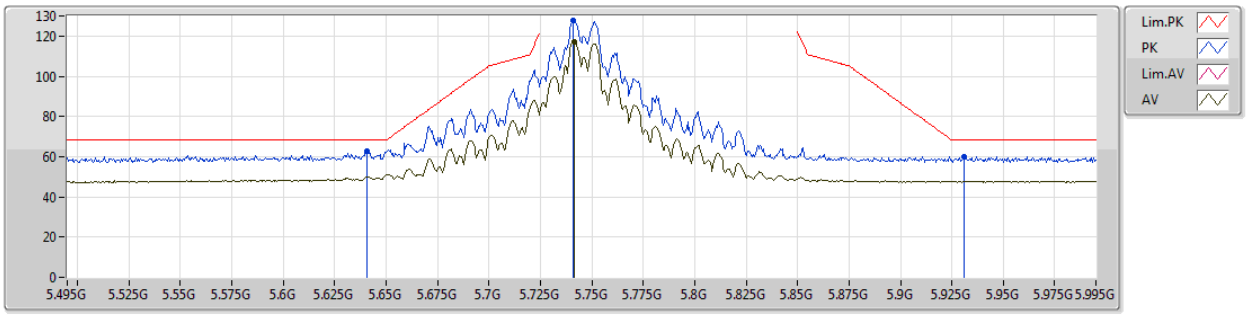
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.71301G	64.79	74.00	-9.21	15.66	3	Horizontal	271	1.90	-
AV	15.72261G	51.31	54.00	-2.69	15.64	3	Horizontal	271	1.90	-

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

18/10/2018



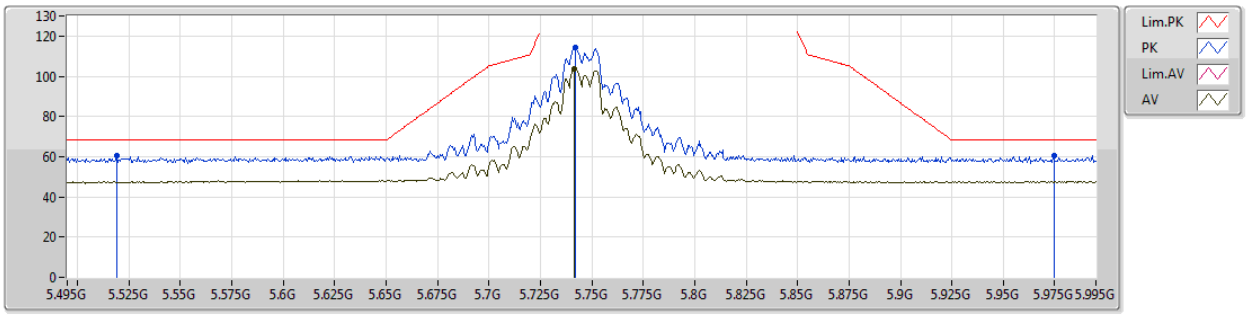
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6405G	63.02	68.20	-5.18	7.13	3	Vertical	175	2.05	-
PK	5.741G	127.52	Inf	-Inf	7.24	3	Vertical	175	2.05	-
AV	5.7415G	116.99	Inf	-Inf	7.24	3	Vertical	175	2.05	-
PK	5.931G	60.07	68.20	-8.13	7.23	3	Vertical	175	2.05	-

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

18/10/2018



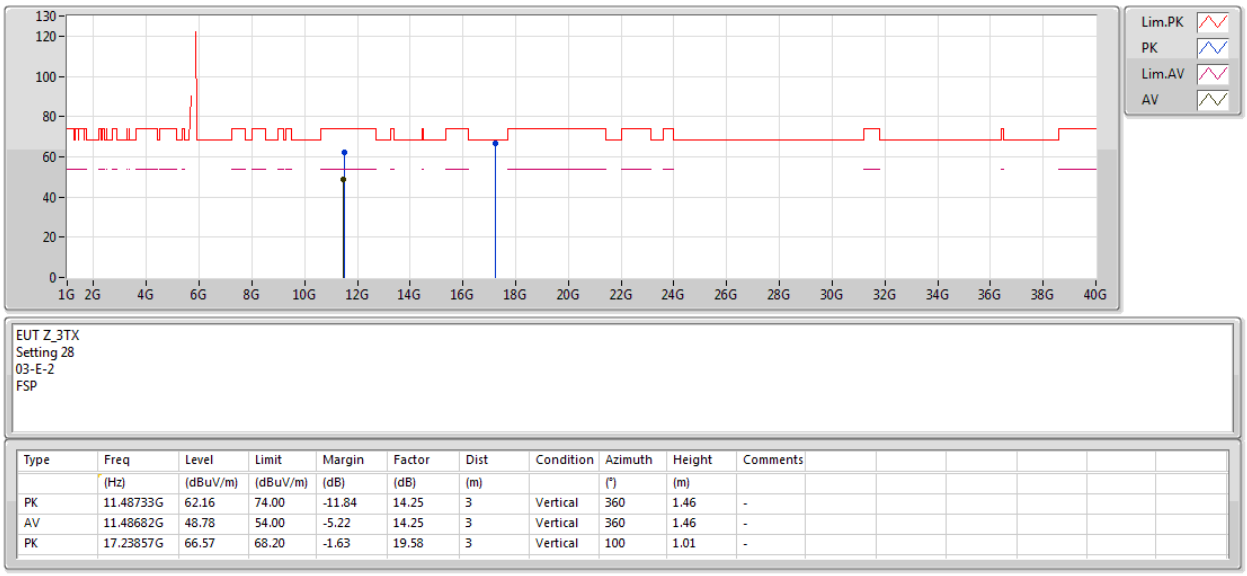
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.519G	60.37	68.20	-7.83	7.01	3	Horizontal	18	1.01	-
PK	5.742G	114.19	Inf	-Inf	7.24	3	Horizontal	18	1.01	-
AV	5.7415G	103.91	Inf	-Inf	7.24	3	Horizontal	18	1.01	-
PK	5.9745G	60.46	68.20	-7.74	7.18	3	Horizontal	18	1.01	-

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

18/10/2018



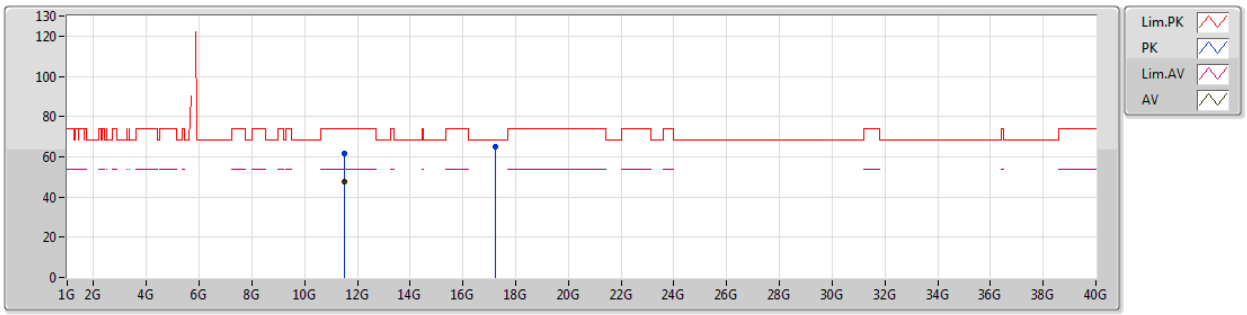
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48733G	62.16	74.00	-11.84	14.25	3	Vertical	360	1.46	-
AV	11.48682G	48.78	54.00	-5.22	14.25	3	Vertical	360	1.46	-
PK	17.23857G	66.57	68.20	-1.63	19.58	3	Vertical	100	1.01	-

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

18/10/2018



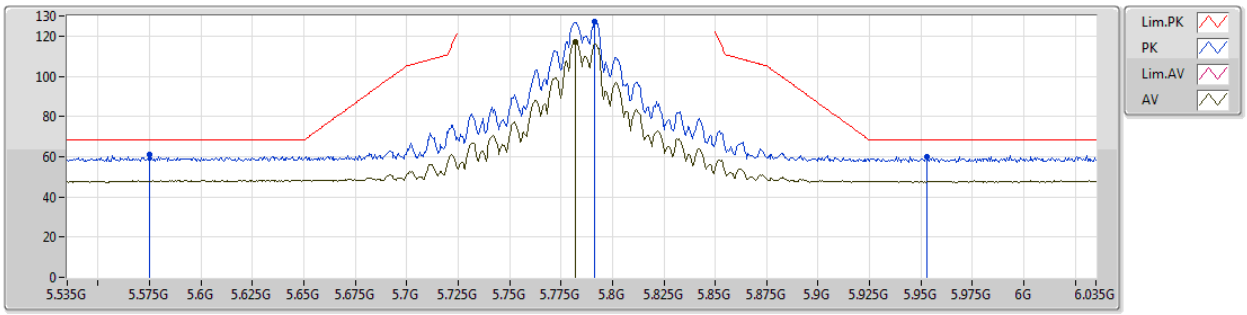
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48895G	61.55	74.00	-12.45	14.25	3	Horizontal	10	1.94	-
AV	11.49003G	47.51	54.00	-6.49	14.25	3	Horizontal	10	1.94	-
PK	17.22468G	65.15	68.20	-3.05	19.50	3	Horizontal	311	1.78	-

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

18/10/2018



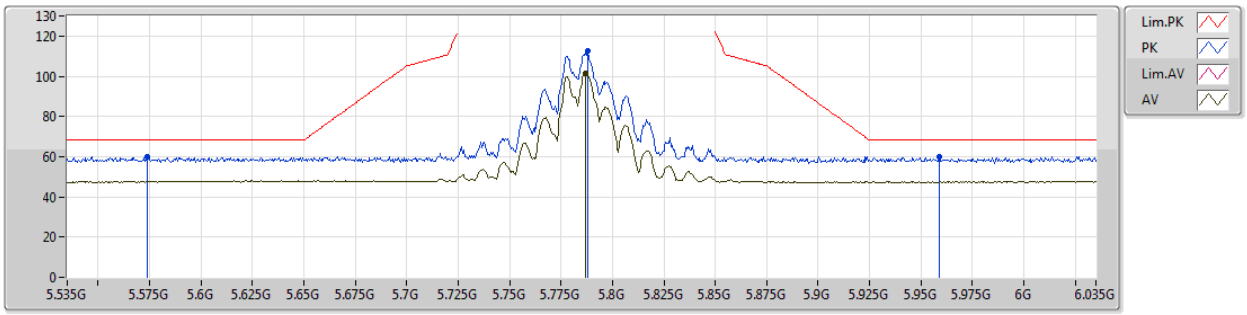
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.575G	60.81	68.20	-7.39	7.06	3	Vertical	209	1.90	-
PK	5.7915G	127.22	Inf	-Inf	7.29	3	Vertical	209	1.90	-
AV	5.782G	116.92	Inf	-Inf	7.28	3	Vertical	209	1.90	-
PK	5.953G	60.08	68.20	-8.12	7.20	3	Vertical	209	1.90	-

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

18/10/2018



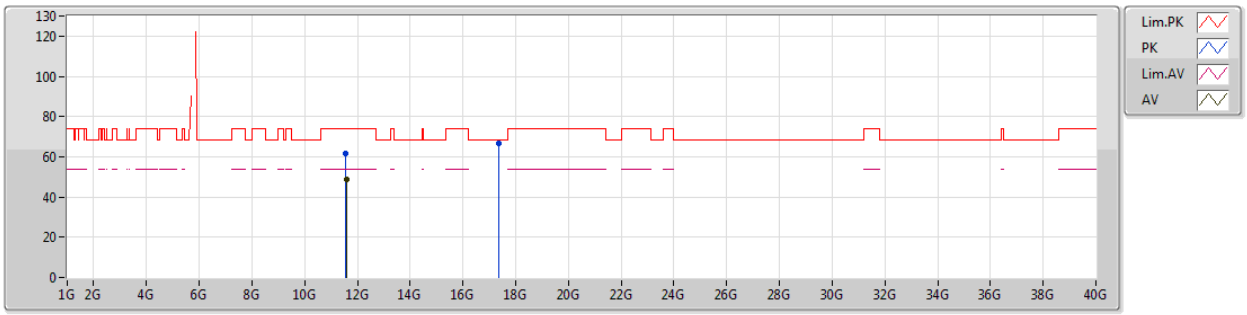
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.574G	59.94	68.20	-8.26	7.05	3	Horizontal	13	1.50	-
PK	5.788G	112.59	Inf	-Inf	7.29	3	Horizontal	13	1.50	-
AV	5.787G	101.34	Inf	-Inf	7.29	3	Horizontal	13	1.50	-
PK	5.959G	59.92	68.20	-8.28	7.19	3	Horizontal	13	1.50	-

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

18/10/2018



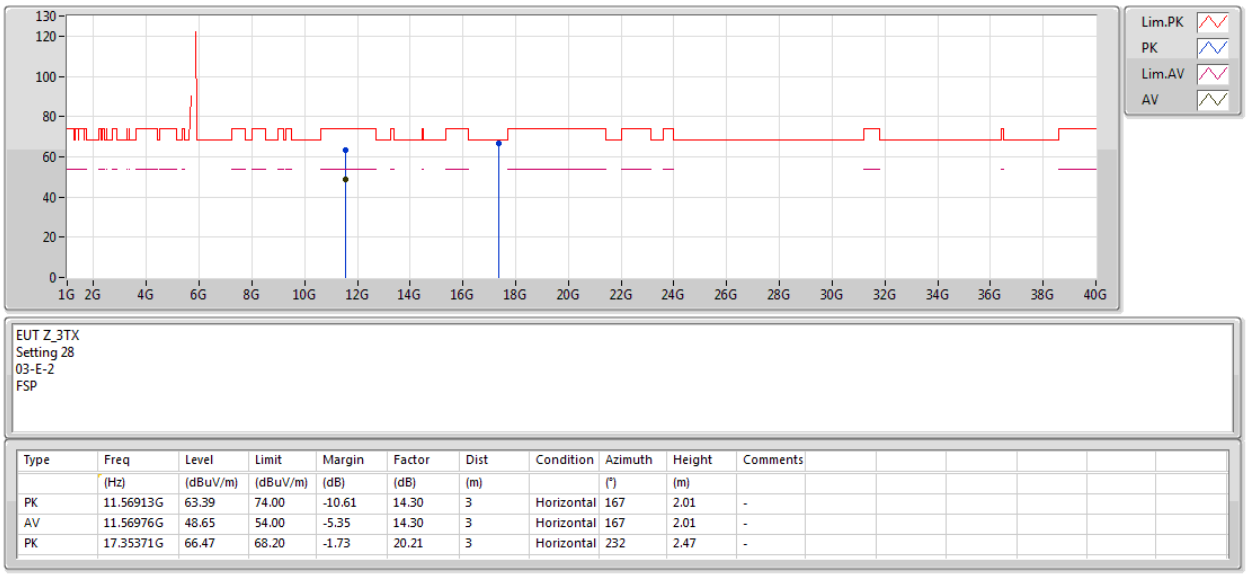
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56295G	61.88	74.00	-12.12	14.29	3	Vertical	0	1.49	-
AV	11.57237G	48.84	54.00	-5.16	14.30	3	Vertical	0	1.49	-
PK	17.35503G	66.43	68.20	-1.77	20.22	3	Vertical	264	2.77	-

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

18/10/2018



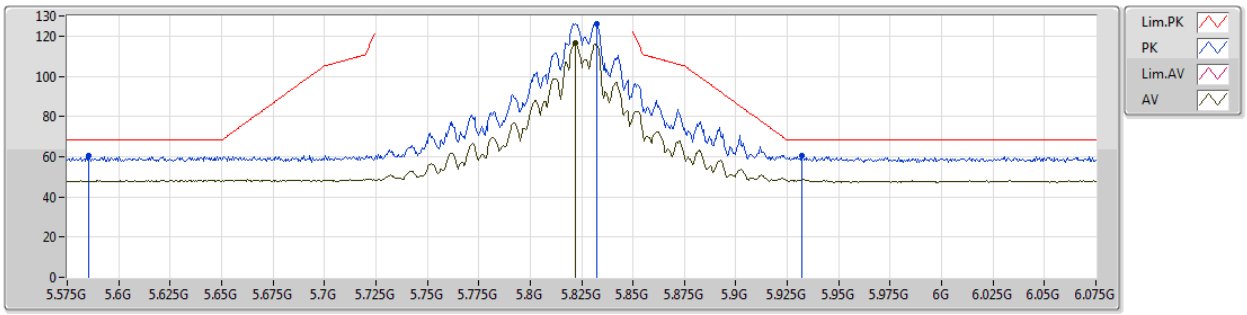
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56913G	63.39	74.00	-10.61	14.30	3	Horizontal	167	2.01	-
AV	11.56976G	48.65	54.00	-5.35	14.30	3	Horizontal	167	2.01	-
PK	17.35371G	66.47	68.20	-1.73	20.21	3	Horizontal	232	2.47	-

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX

18/10/2018



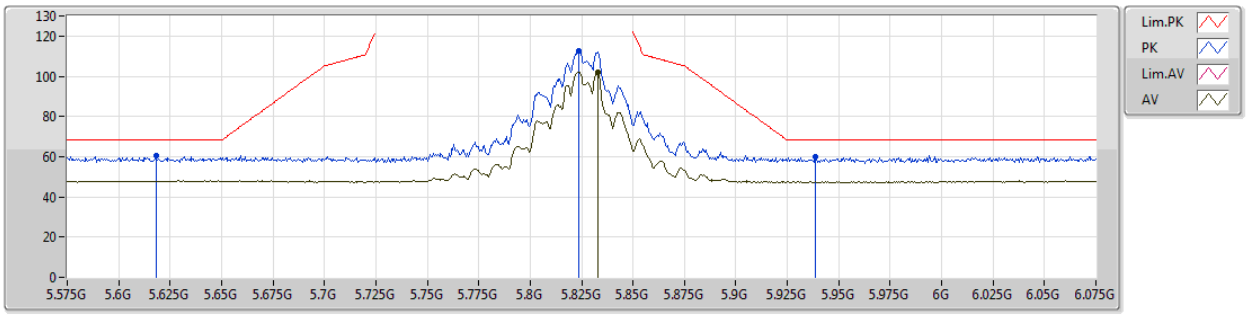
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5855G	60.59	68.20	-7.61	7.07	3	Vertical	39	1.94	-
PK	5.8325G	126.29	Inf	-Inf	7.29	3	Vertical	39	1.94	-
AV	5.822G	116.39	Inf	-Inf	7.28	3	Vertical	39	1.94	-
PK	5.932G	60.61	68.20	-7.59	7.22	3	Vertical	39	1.94	-

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX

18/10/2018



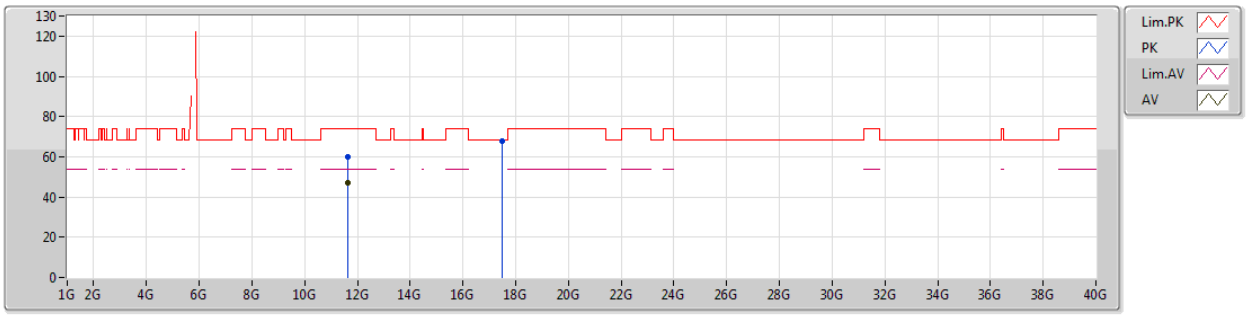
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.618G	60.26	68.20	-7.94	7.10	3	Horizontal	21	1.23	-
PK	5.8235G	112.35	Inf	-Inf	7.28	3	Horizontal	21	1.23	-
AV	5.833G	101.91	Inf	-Inf	7.29	3	Horizontal	21	1.23	-
PK	5.9385G	59.77	68.20	-8.43	7.22	3	Horizontal	21	1.23	-

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX

18/10/2018



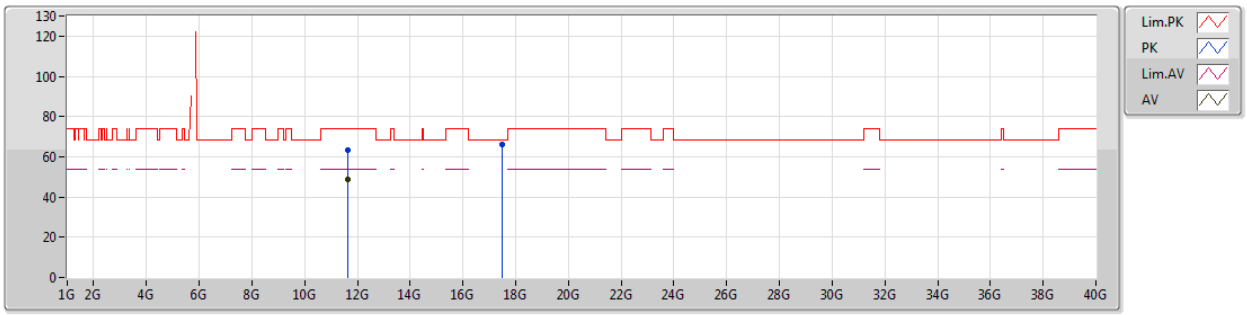
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65186G	59.89	74.00	-14.11	14.33	3	Vertical	0	1.42	-
AV	11.65213G	46.95	54.00	-7.05	14.33	3	Vertical	0	1.42	-
PK	17.48388G	67.67	68.20	-0.53	20.93	3	Vertical	272	1.75	-

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX

18/10/2018



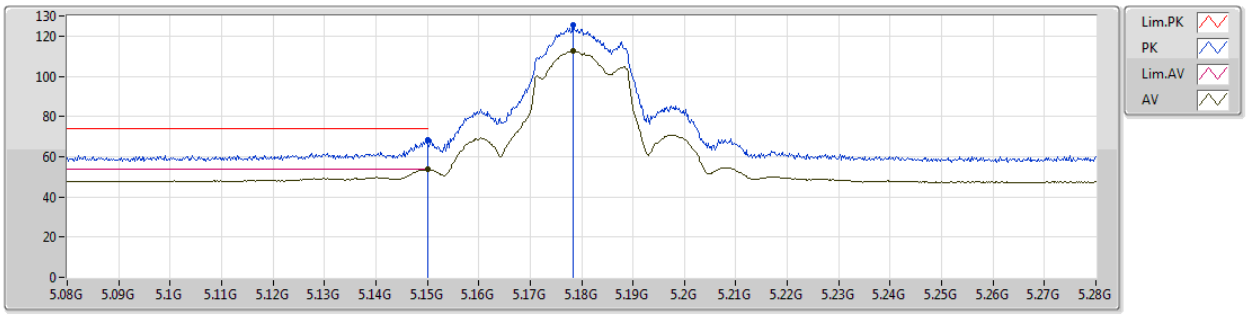
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64931G	63.20	74.00	-10.80	14.33	3	Horizontal	169	2.03	-
AV	11.64883G	48.48	54.00	-5.52	14.33	3	Horizontal	169	2.03	-
PK	17.47833G	65.89	68.20	-2.31	20.90	3	Horizontal	306	2.70	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



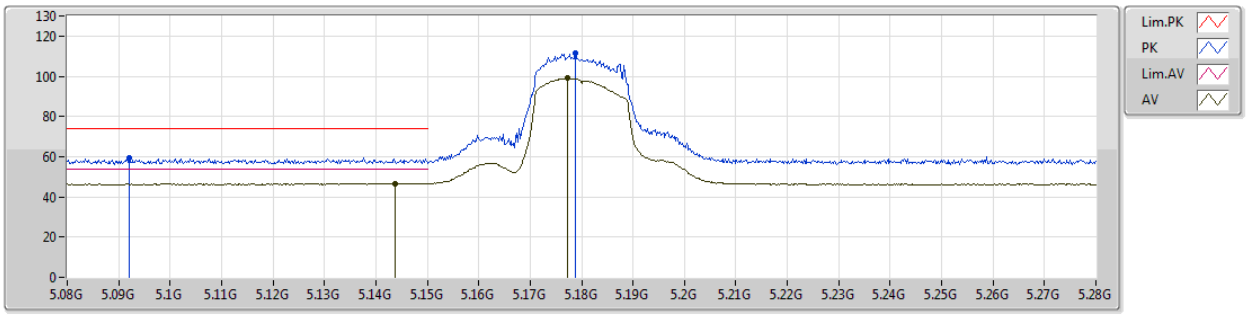
EUT Z_3TX
Setting 21.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	68.15	74.00	-5.85	6.15	3	Vertical	231	1.00	-
AV	5.15G	53.64	54.00	-0.36	6.15	3	Vertical	231	1.00	-
PK	5.1784G	125.42	Inf	-Inf	6.18	3	Vertical	231	1.00	-
AV	5.1784G	112.45	Inf	-Inf	6.18	3	Vertical	231	1.00	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



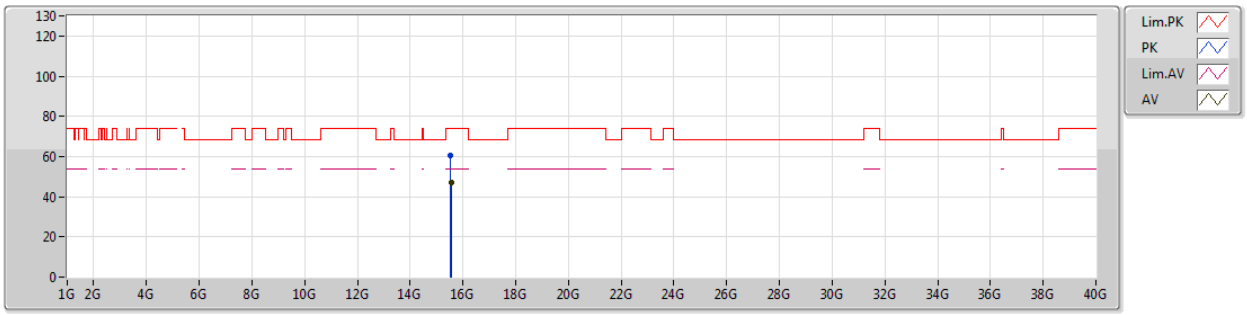
EUT Z_3TX
Setting 21.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.092G	59.54	74.00	-14.46	6.05	3	Horizontal	22	1.50	-
AV	5.1438G	46.66	54.00	-7.34	6.14	3	Horizontal	22	1.50	-
PK	5.1788G	111.48	Inf	-Inf	6.18	3	Horizontal	22	1.50	-
AV	5.1772G	98.99	Inf	-Inf	6.18	3	Horizontal	22	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



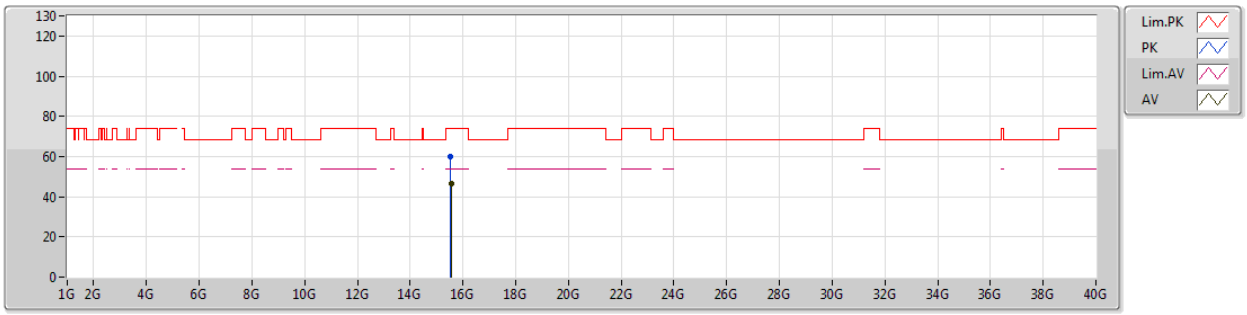
EUT Z_3TX
Setting 21.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.52743G	60.25	74.00	-13.75	16.28	3	Vertical	15	1.45	-
AV	15.55011G	46.79	54.00	-7.21	16.21	3	Vertical	15	1.45	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



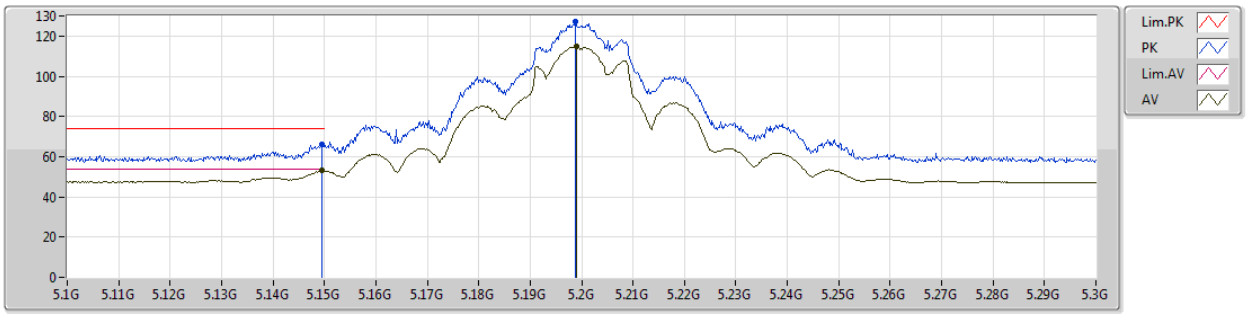
EUT Z_3TX
Setting 21.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53712G	60.07	74.00	-13.93	16.25	3	Horizontal	227	1.50	-
AV	15.55422G	46.63	54.00	-7.37	16.20	3	Horizontal	227	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



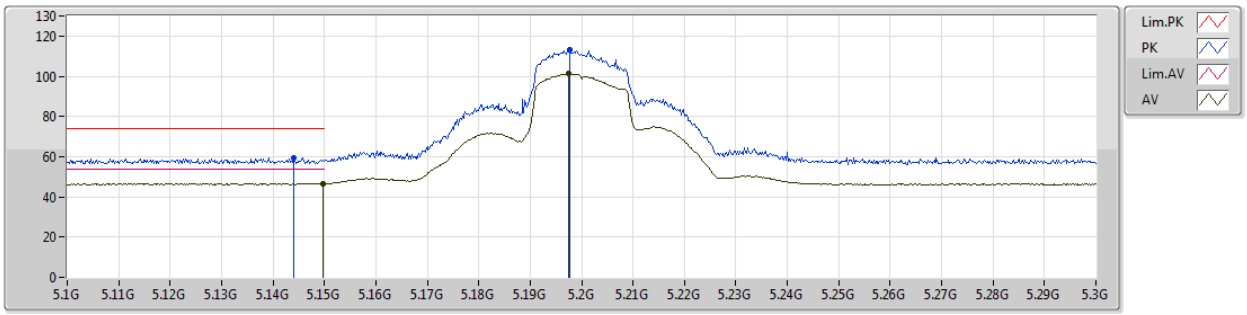
EUT Z_3TX
Setting 24.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1494G	66.26	74.00	-7.74	6.15	3	Vertical	230	1.08	-
AV	5.1496G	53.51	54.00	-0.49	6.15	3	Vertical	230	1.08	-
PK	5.1988G	127.23	Inf	-Inf	6.22	3	Vertical	230	1.08	-
AV	5.199G	115.08	Inf	-Inf	6.22	3	Vertical	230	1.08	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



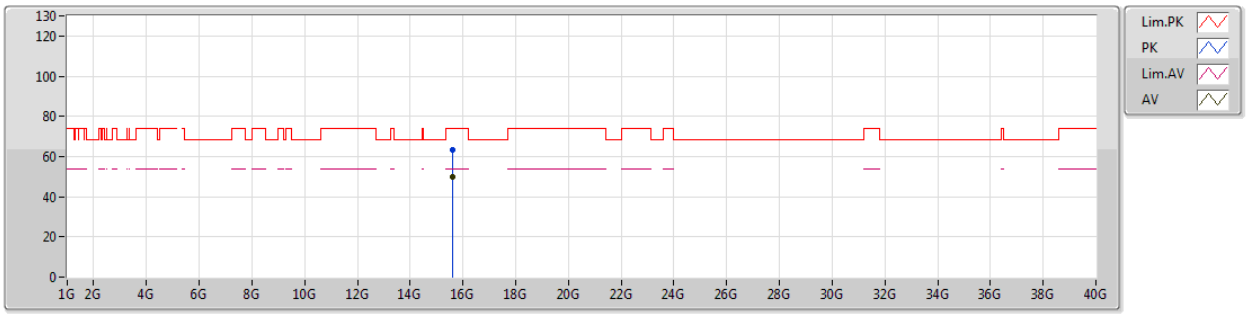
EUT Z_3TX
Setting 24.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.144G	59.43	74.00	-14.57	6.14	3	Horizontal	23	1.27	-
AV	5.1498G	46.76	54.00	-7.24	6.15	3	Horizontal	23	1.27	-
PK	5.1976G	113.40	Inf	-Inf	6.22	3	Horizontal	23	1.27	-
AV	5.1974G	101.31	Inf	-Inf	6.22	3	Horizontal	23	1.27	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



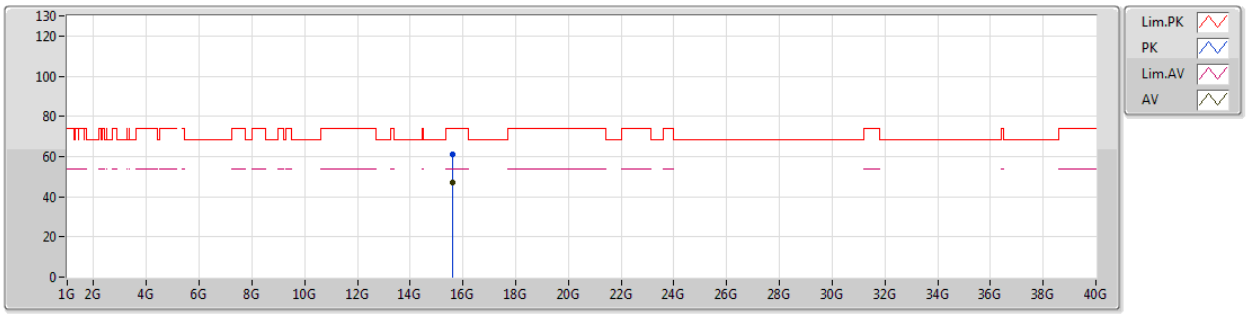
EUT Z_3TX
Setting 24.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.60615G	63.43	74.00	-10.57	16.01	3	Vertical	108	2.96	-
AV	15.60711G	49.83	54.00	-4.17	16.01	3	Vertical	108	2.96	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



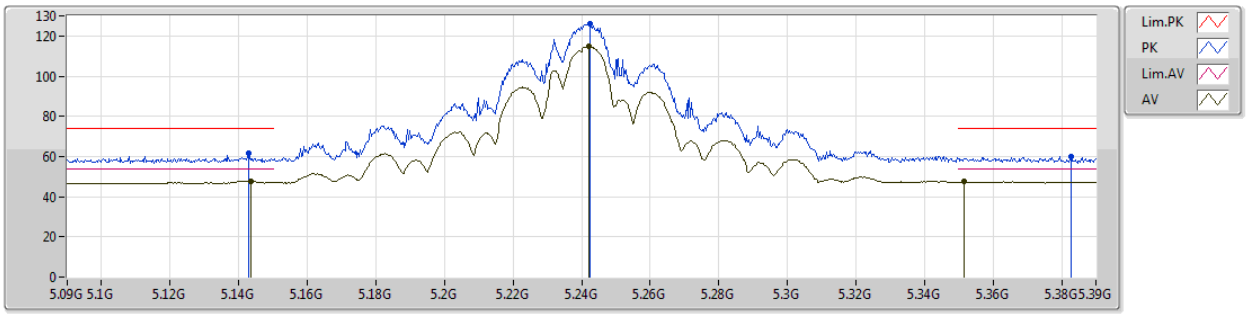
EUT Z_3TX
Setting 24.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.59712G	60.83	74.00	-13.17	16.05	3	Horizontal	200	2.46	-
AV	15.60129G	47.17	54.00	-6.83	16.04	3	Horizontal	200	2.46	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



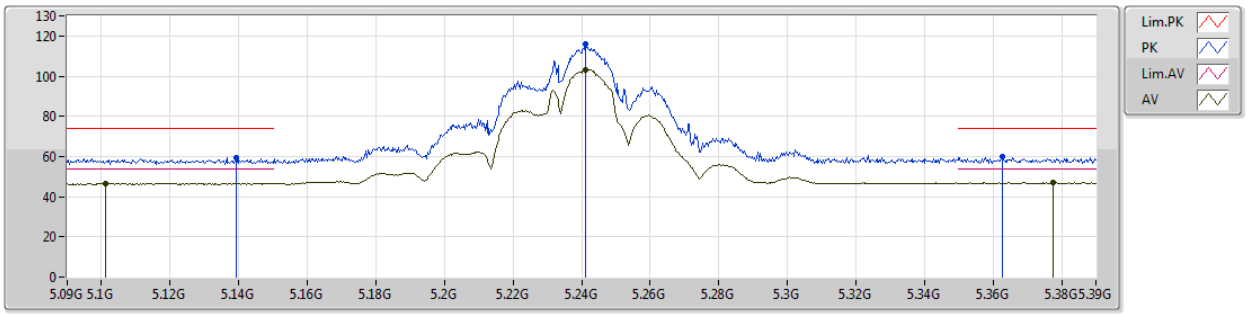
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1428G	61.59	74.00	-12.41	6.14	3	Vertical	116	1.02	-
AV	5.1434G	47.90	54.00	-6.10	6.14	3	Vertical	116	1.02	-
PK	5.2424G	126.16	Inf	-Inf	6.34	3	Vertical	116	1.02	-
AV	5.2421G	114.73	Inf	-Inf	6.34	3	Vertical	116	1.02	-
PK	5.3828G	59.76	74.00	-14.24	6.69	3	Vertical	116	1.02	-
AV	5.3516G	47.46	54.00	-6.54	6.61	3	Vertical	116	1.02	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



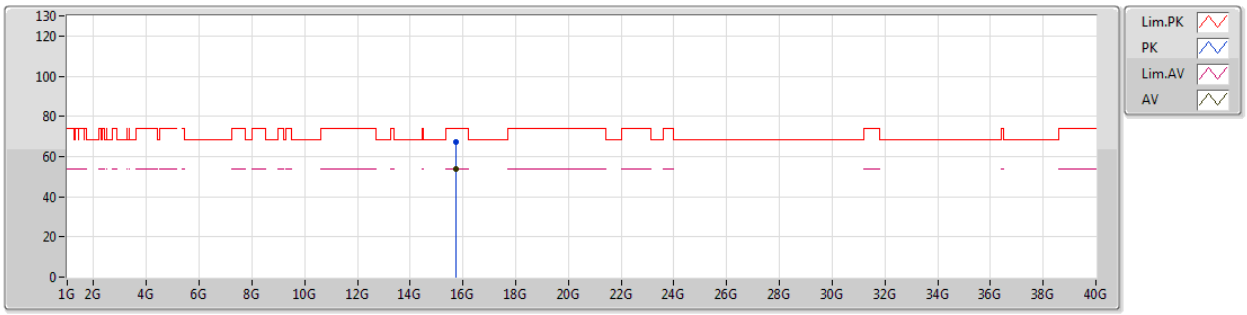
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1392G	59.63	74.00	-14.37	6.13	3	Horizontal	44	1.32	-
AV	5.1011G	46.48	54.00	-7.52	6.06	3	Horizontal	44	1.32	-
PK	5.2412G	115.98	Inf	-Inf	6.33	3	Horizontal	44	1.32	-
AV	5.2412G	103.17	Inf	-Inf	6.33	3	Horizontal	44	1.32	-
PK	5.3627G	59.75	74.00	-14.25	6.63	3	Horizontal	44	1.32	-
AV	5.3774G	46.94	54.00	-7.06	6.67	3	Horizontal	44	1.32	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



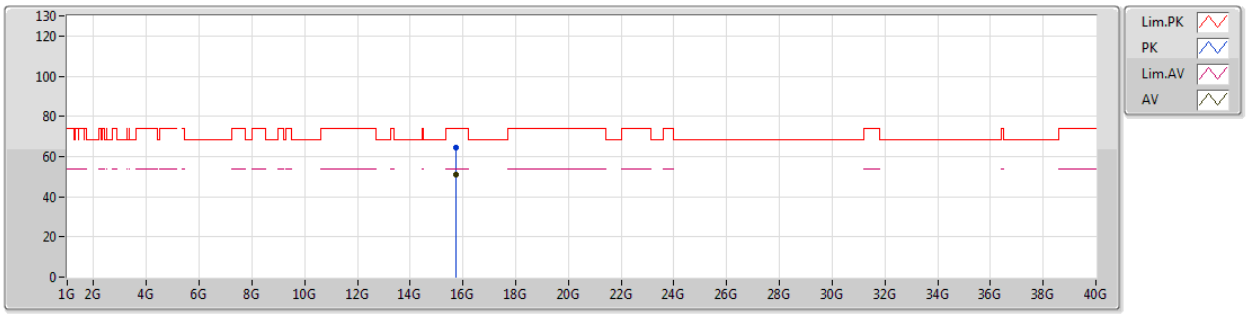
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.71787G	67.46	74.00	-6.54	15.64	3	Vertical	264	2.96	-
AV	15.71601G	53.89	54.00	-0.11	15.65	3	Vertical	264	2.96	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



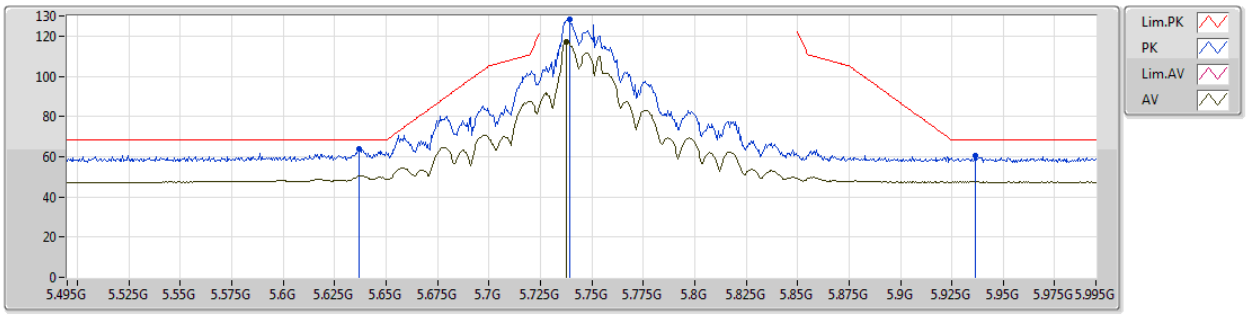
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72372G	64.61	74.00	-9.39	15.63	3	Horizontal	275	1.87	-
AV	15.72549G	50.95	54.00	-3.05	15.62	3	Horizontal	275	1.87	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



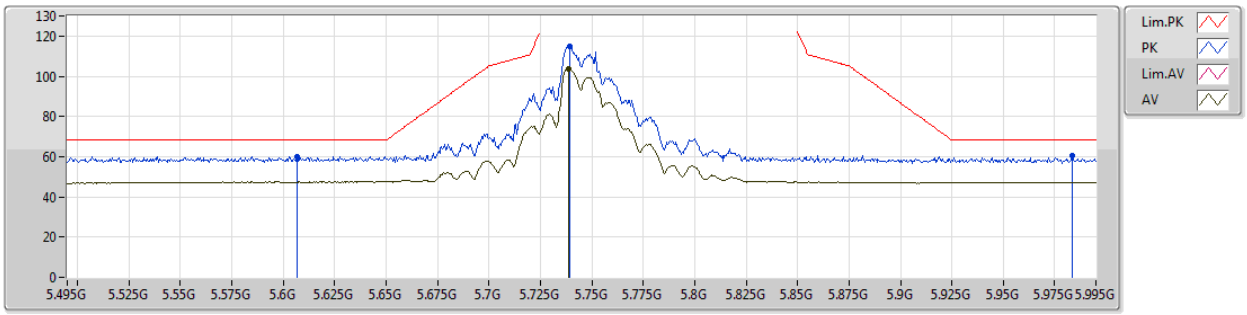
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.637G	63.99	68.20	-4.21	7.13	3	Vertical	211	1.85	-
PK	5.739G	128.20	Inf	-Inf	7.24	3	Vertical	211	1.85	-
AV	5.7375G	117.16	Inf	-Inf	7.24	3	Vertical	211	1.85	-
PK	5.9365G	60.33	68.20	-7.87	7.22	3	Vertical	211	1.85	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



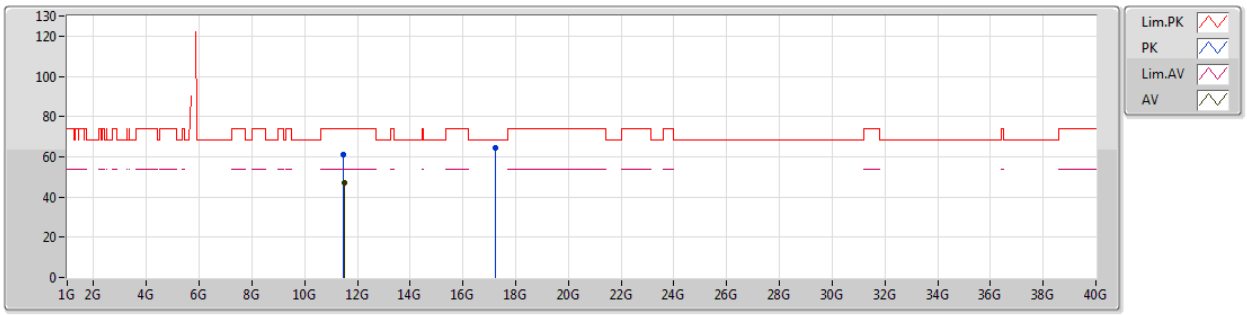
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6065G	60.01	68.20	-8.19	7.09	3	Horizontal	19	1.01	-
PK	5.739G	115.05	Inf	-Inf	7.24	3	Horizontal	19	1.01	-
AV	5.7385G	103.56	Inf	-Inf	7.24	3	Horizontal	19	1.01	-
PK	5.9835G	60.45	68.20	-7.75	7.18	3	Horizontal	19	1.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



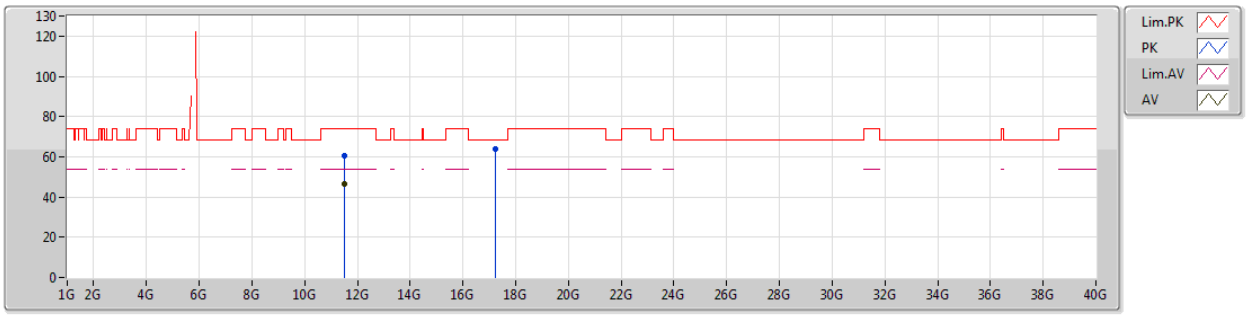
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48268G	60.89	74.00	-13.11	14.25	3	Vertical	1	1.44	-
AV	11.49351G	47.30	54.00	-6.70	14.25	3	Vertical	1	1.44	-
PK	17.23113G	64.67	68.20	-3.53	19.54	3	Vertical	263	1.83	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



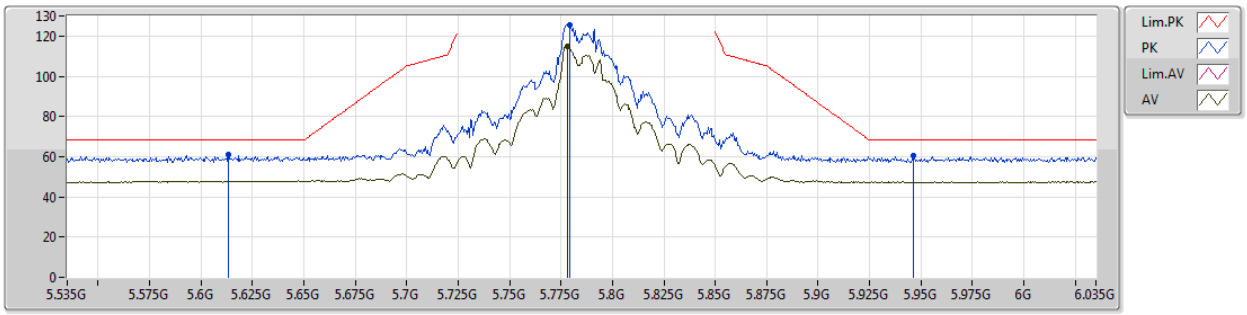
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48895G	60.75	74.00	-13.25	14.25	3	Horizontal	10	2.00	-
AV	11.48964G	46.64	54.00	-7.36	14.25	3	Horizontal	10	2.00	-
PK	17.24889G	63.69	68.20	-4.51	19.63	3	Horizontal	79	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



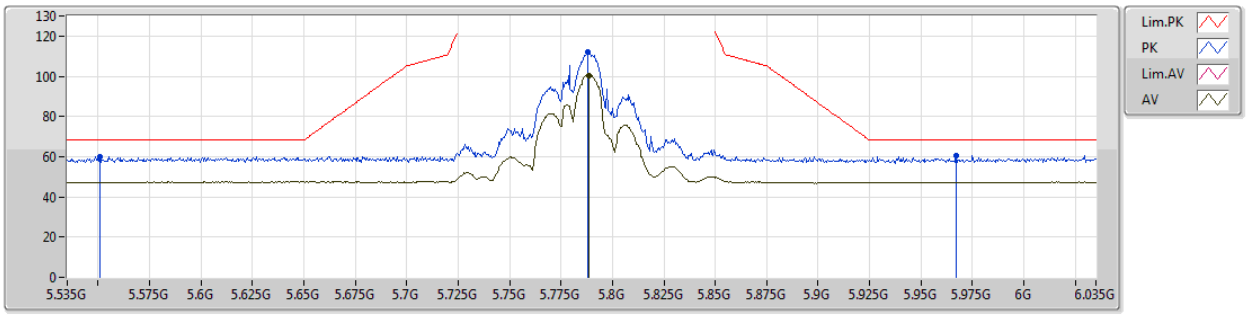
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6135G	61.10	68.20	-7.10	7.09	3	Vertical	177	1.81	-
PK	5.779G	125.69	Inf	-Inf	7.28	3	Vertical	177	1.81	-
AV	5.778G	114.79	Inf	-Inf	7.28	3	Vertical	177	1.81	-
PK	5.9465G	60.54	68.20	-7.66	7.21	3	Vertical	177	1.81	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



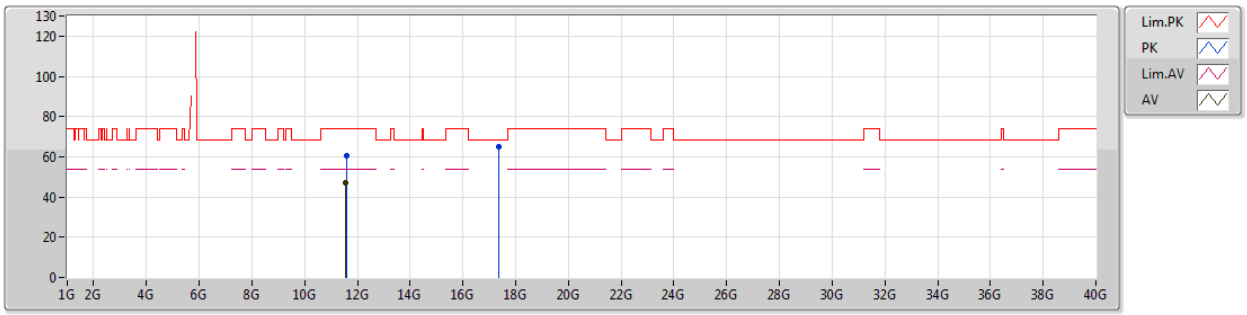
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.551G	59.93	68.20	-8.27	7.04	3	Horizontal	13	1.46	-
PK	5.788G	112.16	Inf	-Inf	7.29	3	Horizontal	13	1.46	-
AV	5.7885G	100.58	Inf	-Inf	7.29	3	Horizontal	13	1.46	-
PK	5.967G	60.79	68.20	-7.41	7.19	3	Horizontal	13	1.46	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



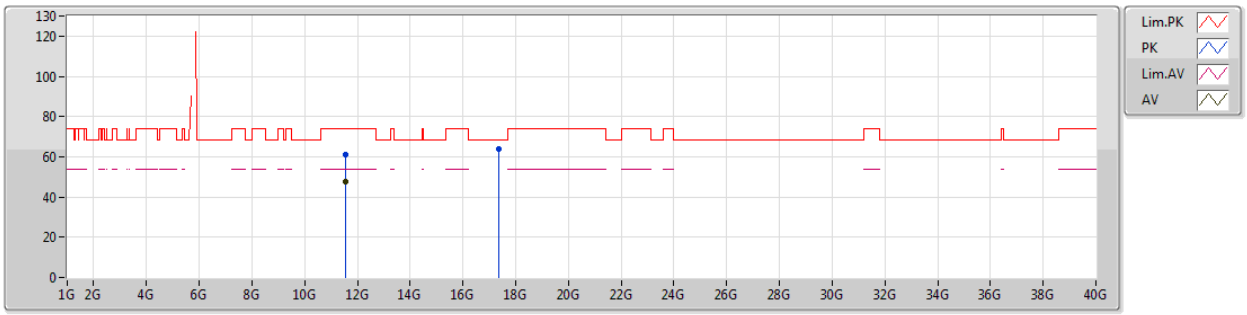
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57234G	60.29	74.00	-13.71	14.30	3	Vertical	28	1.38	-
AV	11.5715G	46.92	54.00	-7.08	14.30	3	Vertical	28	1.38	-
PK	17.34789G	64.95	68.20	-3.25	20.19	3	Vertical	125	2.85	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



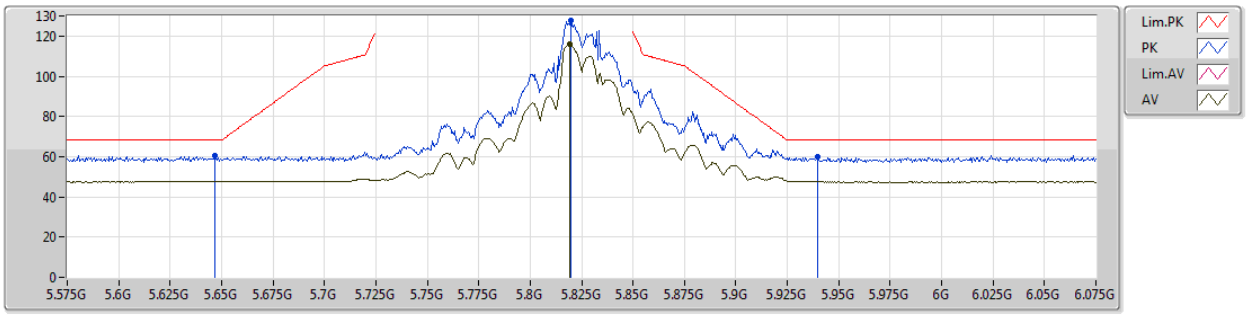
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56787G	61.12	74.00	-12.88	14.29	3	Horizontal	169	2.02	-
AV	11.5679G	47.56	54.00	-6.44	14.29	3	Horizontal	169	2.02	-
PK	17.36106G	64.03	68.20	-4.17	20.25	3	Horizontal	128	2.26	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



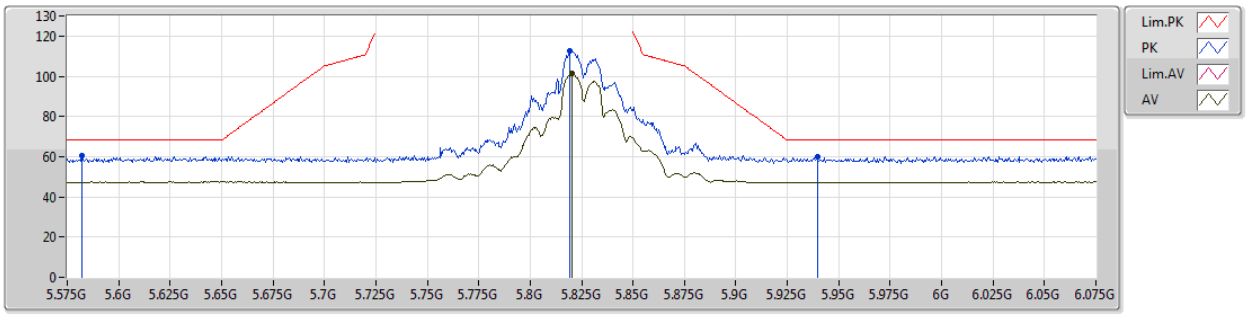
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.647G	60.49	68.20	-7.71	7.14	3	Vertical	210	1.80	-
PK	5.82G	127.56	Inf	-Inf	7.29	3	Vertical	210	1.80	-
AV	5.8195G	115.76	Inf	-Inf	7.29	3	Vertical	210	1.80	-
PK	5.9395G	60.05	68.20	-8.15	7.22	3	Vertical	210	1.80	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



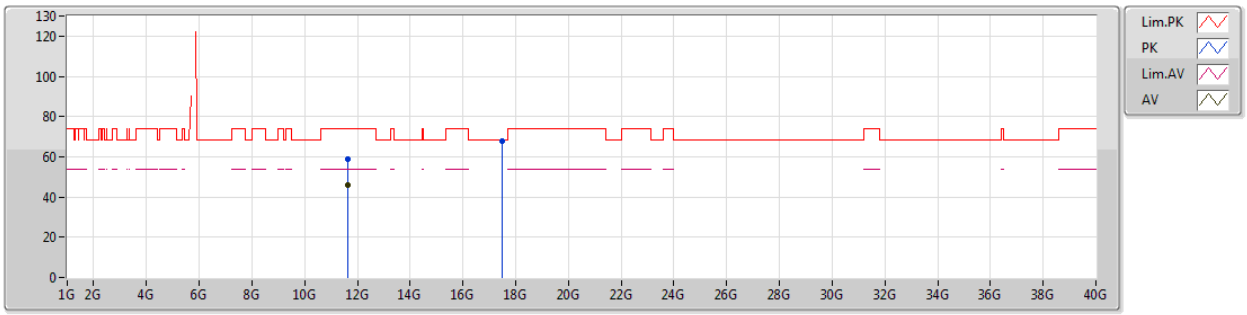
EUT Z_3TX
Setting 28
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.582G	60.65	68.20	-7.55	7.07	3	Horizontal	19	1.28	-
PK	5.819G	112.43	Inf	-Inf	7.29	3	Horizontal	19	1.28	-
AV	5.8205G	101.17	Inf	-Inf	7.29	3	Horizontal	19	1.28	-
PK	5.9395G	59.89	68.20	-8.31	7.22	3	Horizontal	19	1.28	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



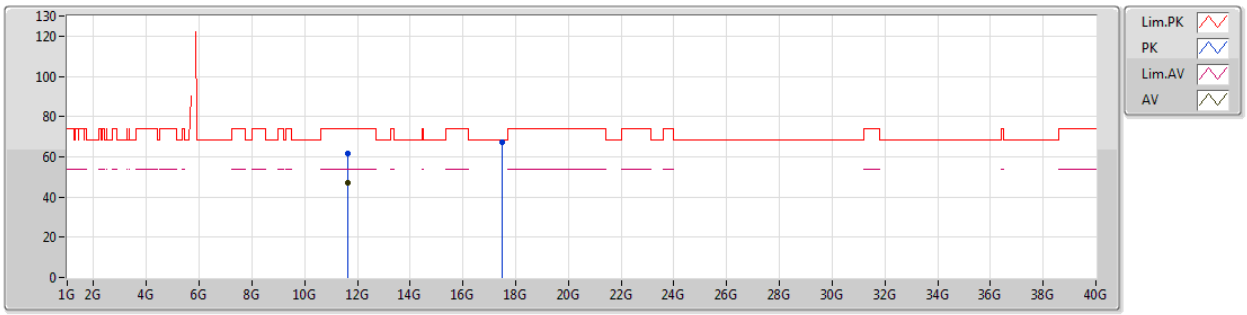
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65384G	58.61	74.00	-15.39	14.33	3	Vertical	0	1.49	-
AV	11.65291G	45.67	54.00	-8.33	14.33	3	Vertical	0	1.49	-
PK	17.47302G	67.72	68.20	-0.48	20.88	3	Vertical	271	1.80	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



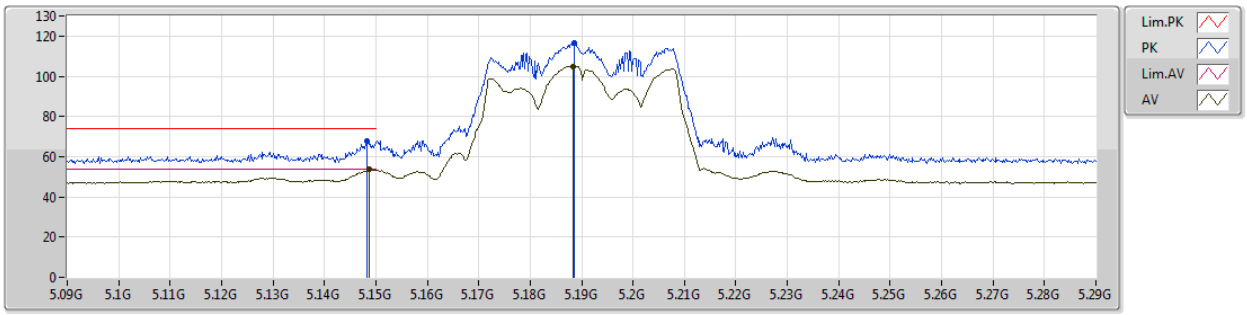
EUT Z_3TX
Setting 28
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64685G	61.56	74.00	-12.44	14.33	3	Horizontal	170	2.01	-
AV	11.64796G	47.07	54.00	-6.93	14.33	3	Horizontal	170	2.01	-
PK	17.47242G	67.03	68.20	-1.17	20.87	3	Horizontal	231	2.51	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



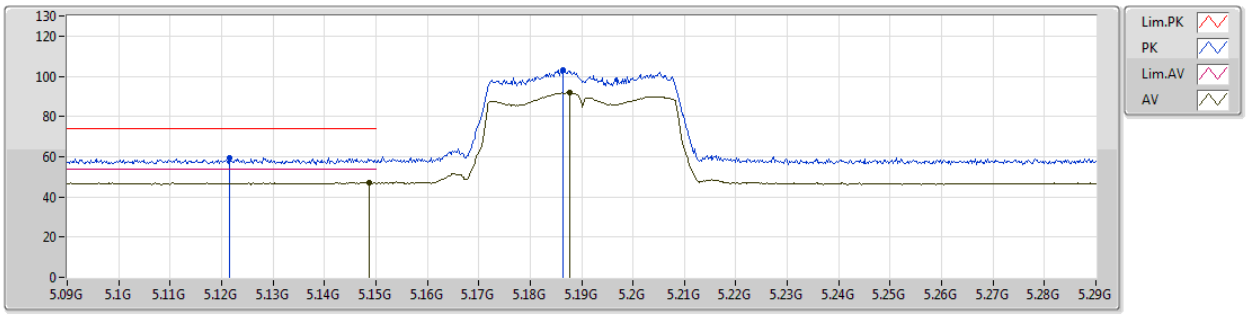
EUT Z_3TX
Setting 16.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1482G	67.76	74.00	-6.24	6.15	3	Vertical	236	1.06	-
AV	5.1488G	53.54	54.00	-0.46	6.15	3	Vertical	236	1.06	-
PK	5.1886G	116.35	Inf	-Inf	6.20	3	Vertical	236	1.06	-
AV	5.1884G	105.06	Inf	-Inf	6.20	3	Vertical	236	1.06	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



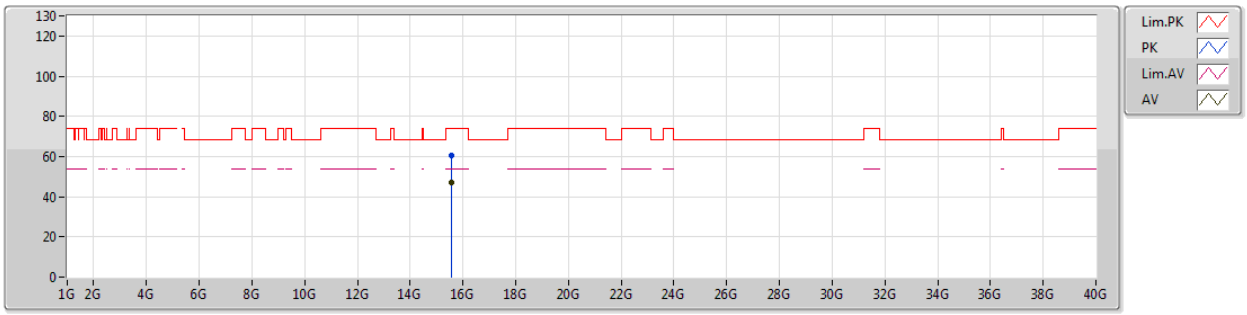
EUT Z_3TX
Setting 16.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1216G	59.33	74.00	-14.67	6.10	3	Horizontal	21	1.49	-
AV	5.1486G	47.20	54.00	-6.80	6.15	3	Horizontal	21	1.49	-
PK	5.1864G	103.33	Inf	-Inf	6.20	3	Horizontal	21	1.49	-
AV	5.1878G	91.77	Inf	-Inf	6.20	3	Horizontal	21	1.49	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



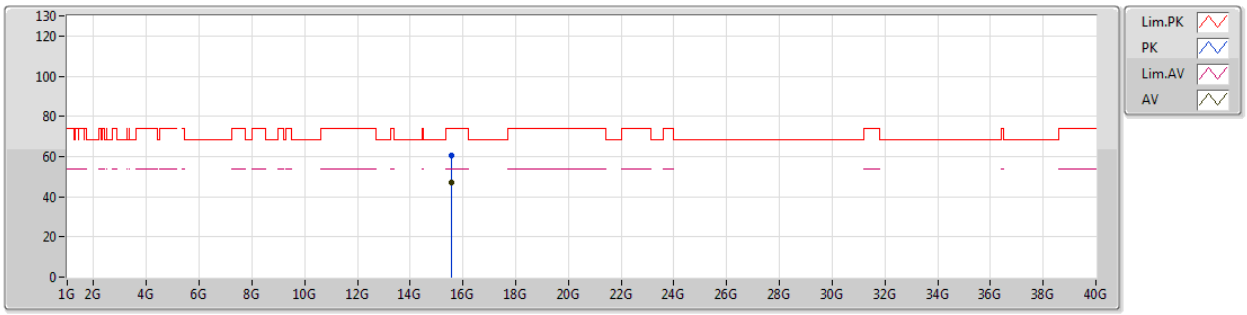
EUT Z_3TX
Setting 16.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.57762G	60.36	74.00	-13.64	16.11	3	Vertical	352	1.50	-
AV	15.55776G	47.01	54.00	-6.99	16.18	3	Vertical	352	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



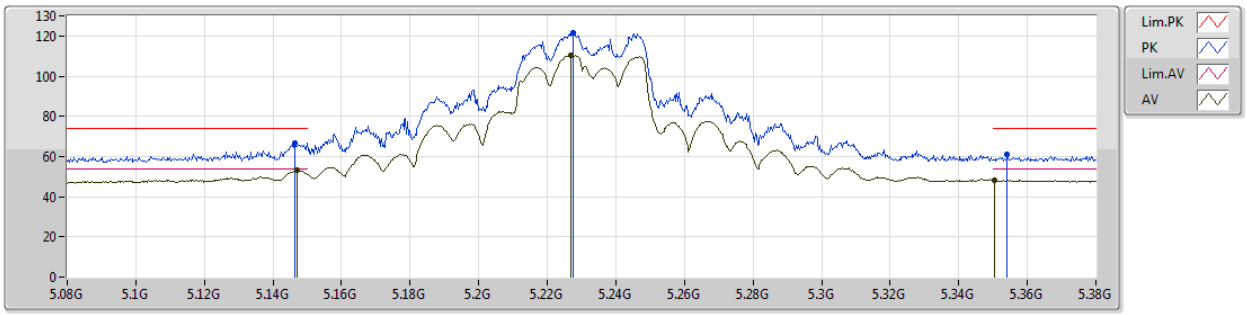
EUT Z_3TX
Setting 16.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.56598G	60.49	74.00	-13.51	16.15	3	Horizontal	188	1.19	-
AV	15.55788G	47.03	54.00	-6.97	16.18	3	Horizontal	188	1.19	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



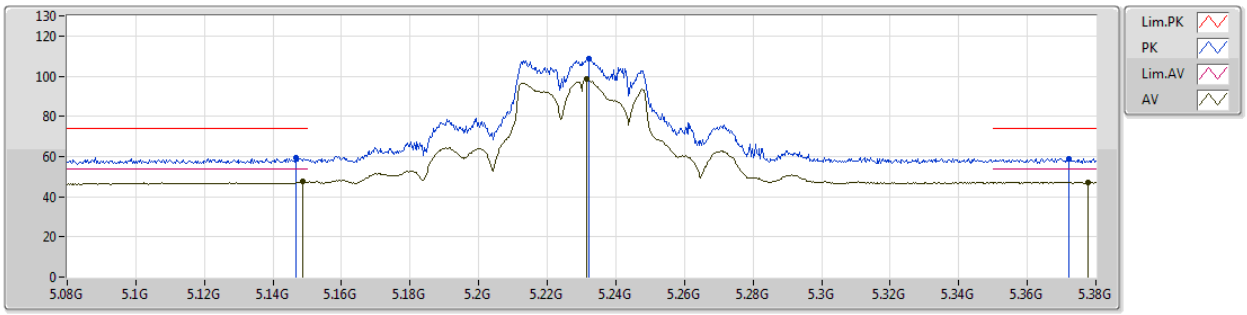
EUT Z_3TX
Setting 21.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1463G	66.64	74.00	-7.36	6.14	3	Vertical	230	1.08	-
AV	5.1469G	53.51	54.00	-0.49	6.14	3	Vertical	230	1.08	-
PK	5.2276G	121.82	Inf	-Inf	6.29	3	Vertical	230	1.08	-
AV	5.227G	110.56	Inf	-Inf	6.29	3	Vertical	230	1.08	-
PK	5.3542G	61.02	74.00	-12.98	6.62	3	Vertical	230	1.08	-
AV	5.3503G	48.14	54.00	-5.86	6.61	3	Vertical	230	1.08	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



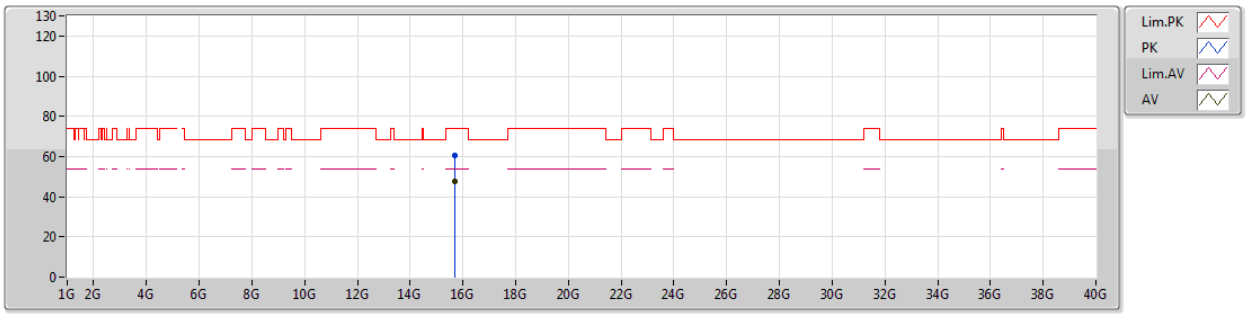
EUT Z_3TX
Setting 21.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1466G	59.58	74.00	-14.42	6.14	3	Horizontal	44	1.14	-
AV	5.1487G	47.60	54.00	-6.40	6.15	3	Horizontal	44	1.14	-
PK	5.2321G	108.50	Inf	-Inf	6.31	3	Horizontal	44	1.14	-
AV	5.2315G	98.47	Inf	-Inf	6.31	3	Horizontal	44	1.14	-
PK	5.3722G	59.04	74.00	-14.96	6.66	3	Horizontal	44	1.14	-
AV	5.3776G	47.23	54.00	-6.77	6.67	3	Horizontal	44	1.14	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



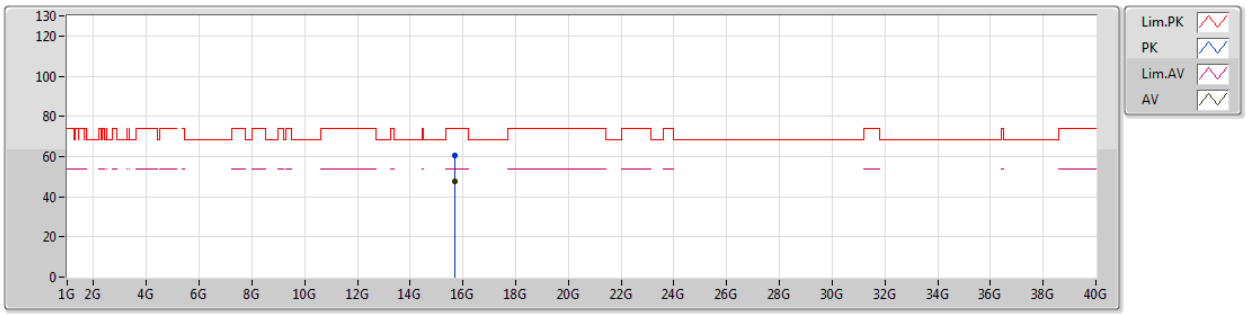
EUT Z_3TX
Setting 21.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.67575G	60.65	74.00	-13.35	15.78	3	Vertical	286	1.01	-
AV	15.67566G	47.37	54.00	-6.63	15.78	3	Vertical	286	1.01	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



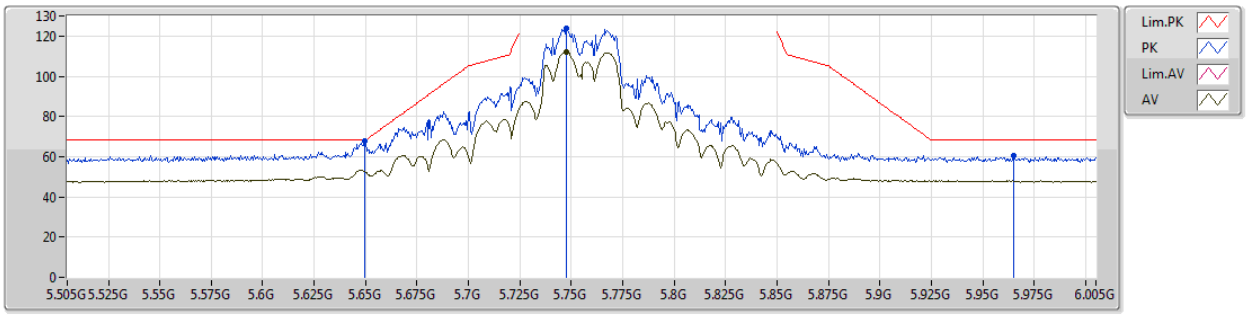
EUT Z_3TX
Setting 21.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.69999G	60.49	74.00	-13.51	15.70	3	Horizontal	21	1.50	-
AV	15.69165G	47.35	54.00	-6.65	15.73	3	Horizontal	21	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



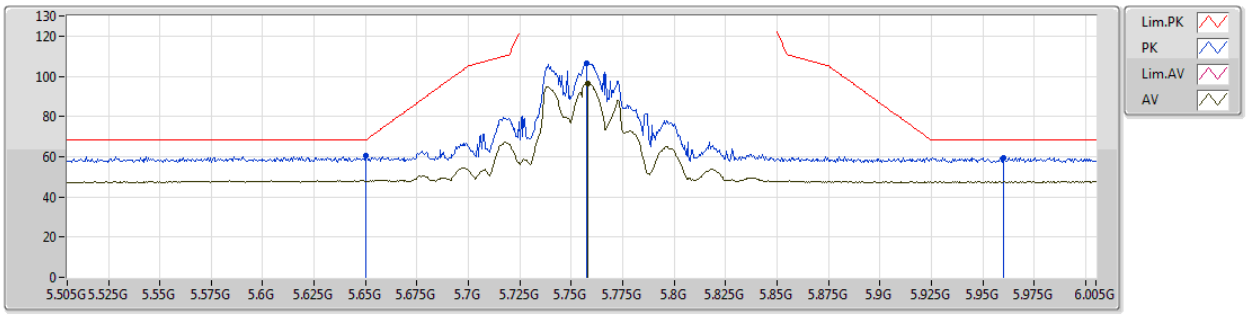
EUT Z_3TX
Setting 22
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6495G	67.85	68.20	-0.35	7.14	3	Vertical	212	1.83	-
PK	5.7475G	123.65	Inf	-Inf	7.25	3	Vertical	212	1.83	-
AV	5.7475G	111.97	Inf	-Inf	7.25	3	Vertical	212	1.83	-
PK	5.965G	60.32	68.20	-7.88	7.19	3	Vertical	212	1.83	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



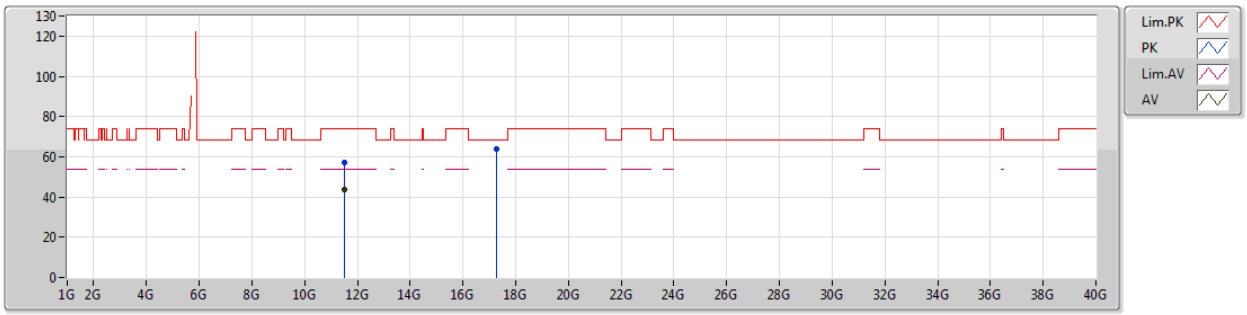
EUT Z_3TX
Setting 22
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.65G	60.42	68.20	-7.78	7.14	3	Horizontal	12	1.50	-
PK	5.7575G	106.64	Inf	-Inf	7.25	3	Horizontal	12	1.50	-
AV	5.758G	96.42	Inf	-Inf	7.25	3	Horizontal	12	1.50	-
PK	5.96G	59.64	68.20	-8.56	7.19	3	Horizontal	12	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



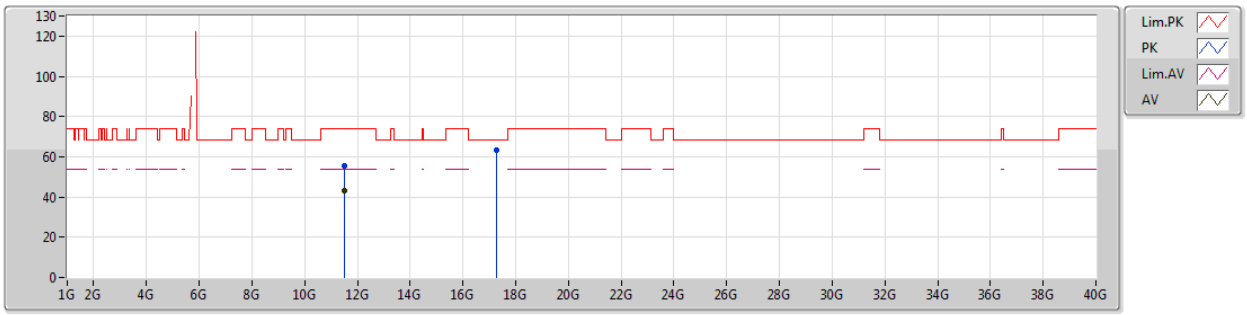
EUT Z_3TX
Setting 22
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5124G	57.35	74.00	-16.65	14.27	3	Vertical	0	1.48	-
AV	11.5043G	43.65	54.00	-10.35	14.26	3	Vertical	0	1.48	-
PK	17.25678G	63.91	68.20	-4.29	19.67	3	Vertical	261	1.87	-

802.11ac VHT40_Nss1,(MCS0)_3TX

18/10/2018

5755MHz_TX



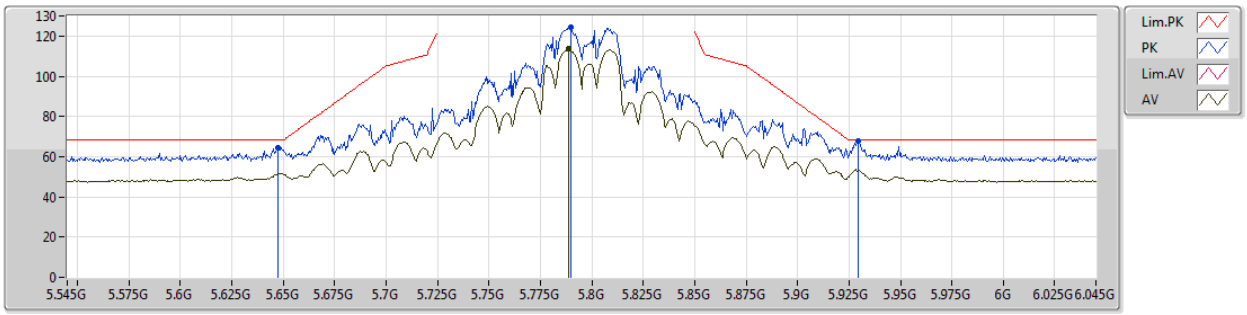
EUT Z_3TX
Setting 22
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51321G	55.63	74.00	-18.37	14.27	3	Horizontal	10	2.02	-
AV	11.51078G	43.05	54.00	-10.95	14.27	3	Horizontal	10	2.02	-
PK	17.26134G	63.47	68.20	-4.73	19.70	3	Horizontal	232	2.49	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



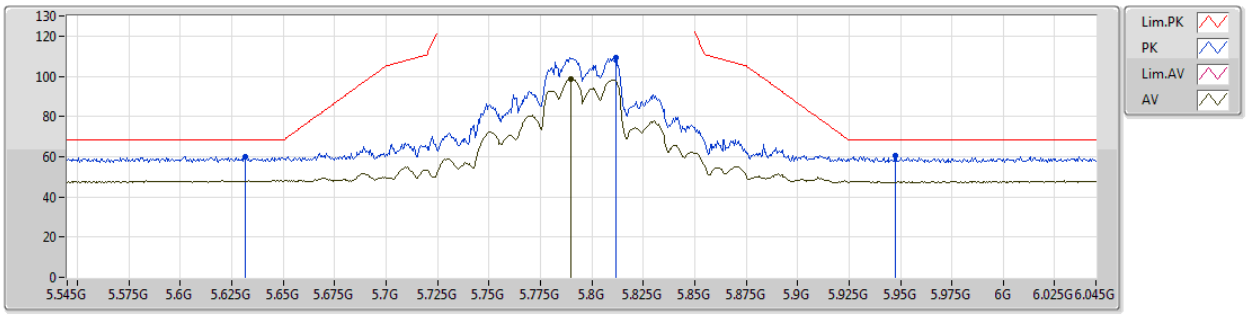
EUT Z_3TX
Setting 23
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6475G	64.39	68.20	-3.81	7.14	3	Vertical	209	1.91	-
PK	5.79G	124.40	Inf	-Inf	7.29	3	Vertical	209	1.91	-
AV	5.7885G	113.58	Inf	-Inf	7.29	3	Vertical	209	1.91	-
PK	5.9295G	67.85	68.20	-0.35	7.23	3	Vertical	209	1.91	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



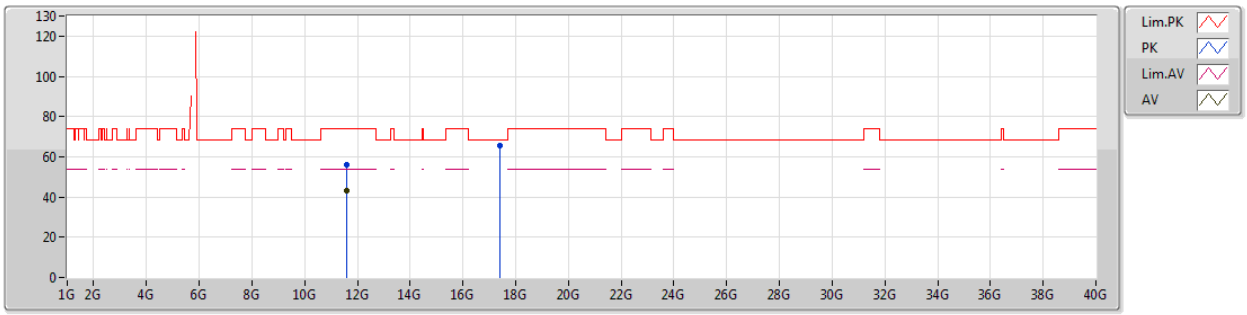
EUT Z_3TX
Setting 23
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6315G	60.17	68.20	-8.03	7.12	3	Horizontal	20	1.36	-
PK	5.8115G	109.14	Inf	-Inf	7.29	3	Horizontal	20	1.36	-
AV	5.79G	98.80	Inf	-Inf	7.29	3	Horizontal	20	1.36	-
PK	5.9475G	60.30	68.20	-7.90	7.21	3	Horizontal	20	1.36	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



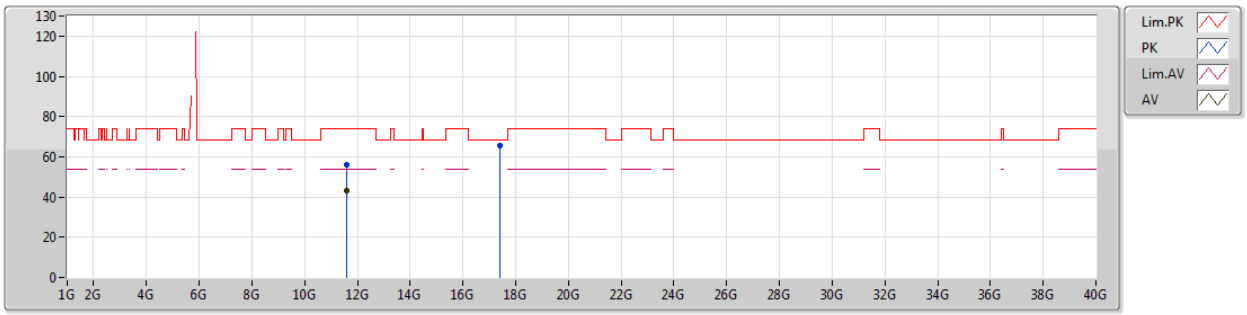
EUT Z_3TX
Setting 23
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.60131G	56.06	74.00	-17.94	14.31	3	Vertical	66	2.08	-
AV	11.58136G	43.34	54.00	-10.66	14.31	3	Vertical	66	2.08	-
PK	17.38359G	65.68	68.20	-2.52	20.38	3	Vertical	263	1.82	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



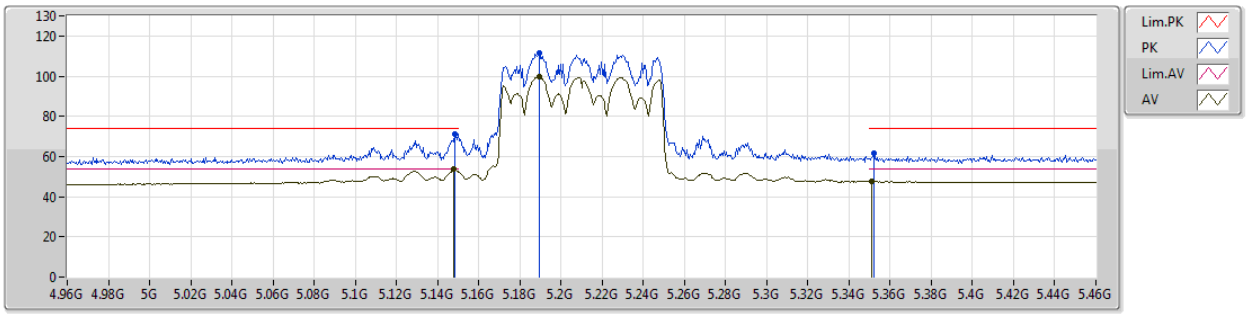
EUT Z_3TX
Setting 23
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59489G	56.08	74.00	-17.92	14.31	3	Horizontal	231	1.59	-
AV	11.58355G	43.11	54.00	-10.89	14.30	3	Horizontal	231	1.59	-
PK	17.3898G	65.42	68.20	-2.78	20.41	3	Horizontal	55	2.32	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



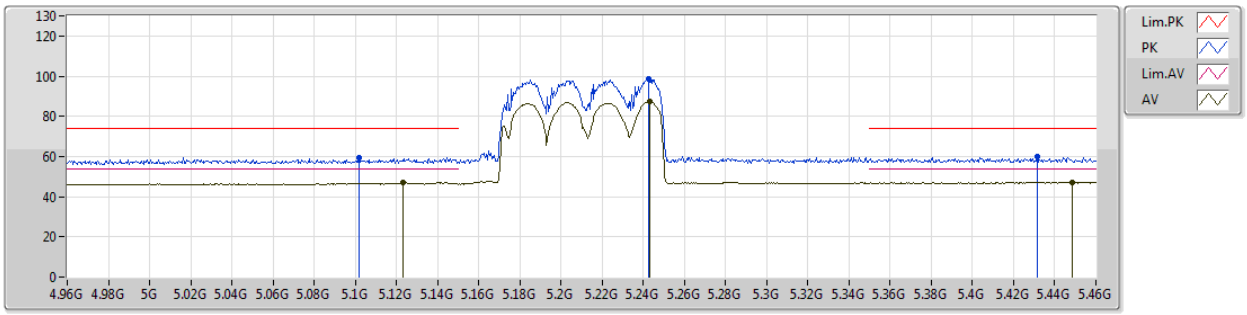
EUT Z_3TX
Setting 15
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1485G	71.33	74.00	-2.67	6.15	3	Vertical	233	1.15	-
AV	5.148G	53.61	54.00	-0.39	6.15	3	Vertical	233	1.15	-
PK	5.1895G	111.75	Inf	-Inf	6.20	3	Vertical	233	1.15	-
AV	5.1895G	99.68	Inf	-Inf	6.20	3	Vertical	233	1.15	-
PK	5.352G	61.54	74.00	-12.46	6.61	3	Vertical	233	1.15	-
AV	5.351G	47.86	54.00	-6.14	6.61	3	Vertical	233	1.15	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



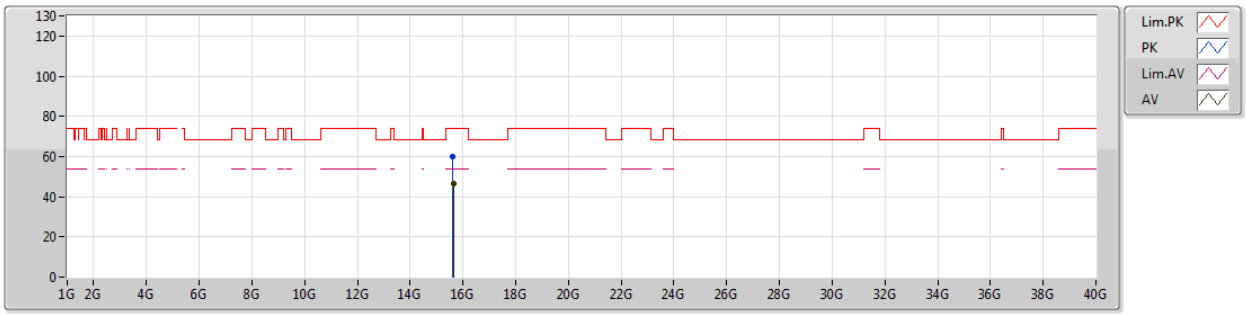
EUT Z_3TX
Setting 15
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.102G	59.56	74.00	-14.44	6.06	3	Horizontal	350	1.25	-
AV	5.123G	47.05	54.00	-6.95	6.10	3	Horizontal	350	1.25	-
PK	5.2425G	98.43	Inf	-Inf	6.34	3	Horizontal	350	1.25	-
AV	5.243G	87.61	Inf	-Inf	6.34	3	Horizontal	350	1.25	-
PK	5.4315G	59.98	74.00	-14.02	6.82	3	Horizontal	350	1.25	-
AV	5.4485G	47.13	54.00	-6.87	6.86	3	Horizontal	350	1.25	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



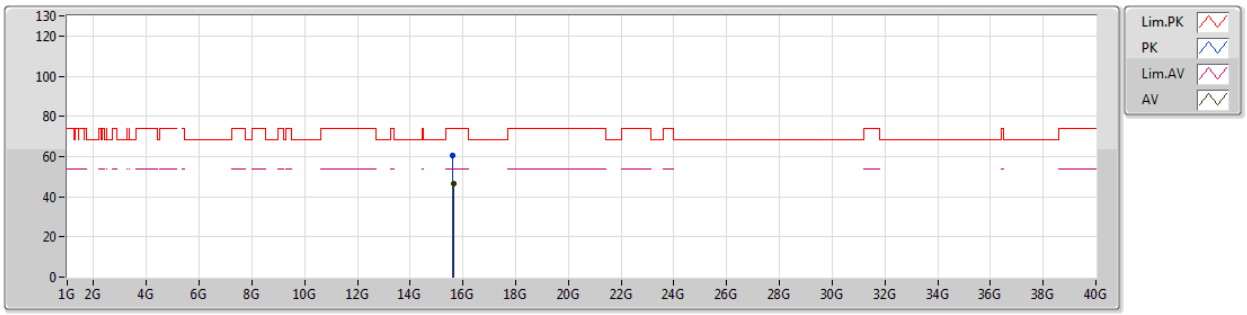
EUT Z_3TX
Setting 15
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62322G	60.17	74.00	-13.83	15.96	3	Vertical	27	1.70	-
AV	15.64449G	46.75	54.00	-7.25	15.90	3	Vertical	27	1.70	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



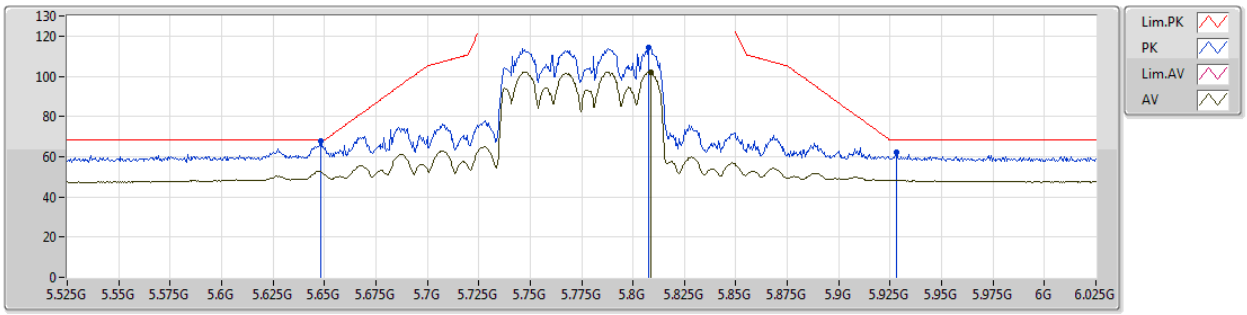
EUT Z_3TX
Setting 15
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62727G	60.56	74.00	-13.44	15.94	3	Horizontal	168	2.02	-
AV	15.63918G	46.64	54.00	-7.36	15.91	3	Horizontal	168	2.02	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



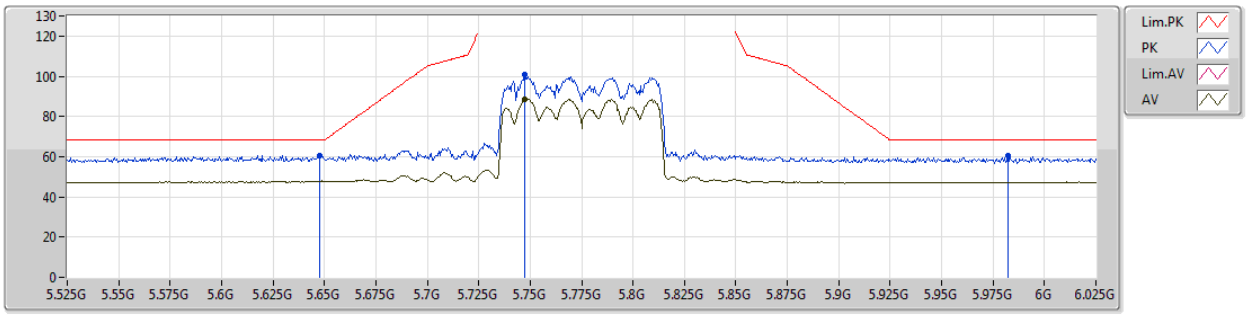
EUT Z_3TX
Setting 16.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.648G	67.71	68.20	-0.49	7.14	3	Vertical	174	1.88	-
PK	5.8075G	114.33	Inf	-Inf	7.29	3	Vertical	174	1.88	-
AV	5.8085G	102.18	Inf	-Inf	7.29	3	Vertical	174	1.88	-
PK	5.928G	62.14	68.20	-6.06	7.23	3	Vertical	174	1.88	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



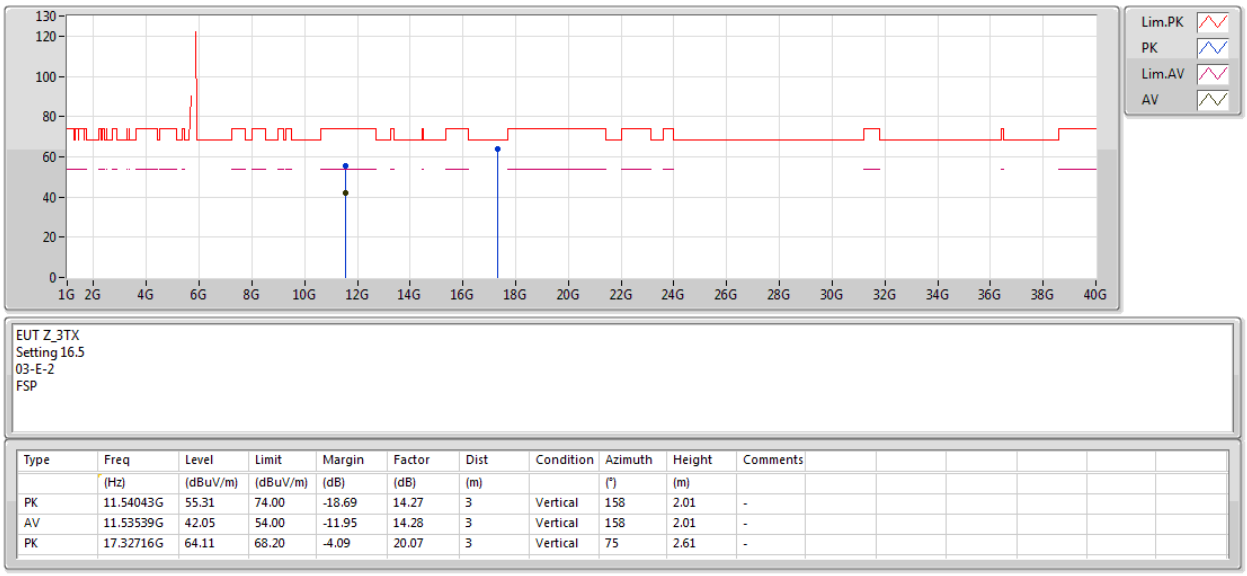
EUT Z_3TX
Setting 16.5
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6475G	60.65	68.20	-7.55	7.14	3	Horizontal	19	1.01	-
PK	5.7475G	100.79	Inf	-Inf	7.25	3	Horizontal	19	1.01	-
AV	5.7475G	88.58	Inf	-Inf	7.25	3	Horizontal	19	1.01	-
PK	5.9825G	60.53	68.20	-7.67	7.18	3	Horizontal	19	1.01	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



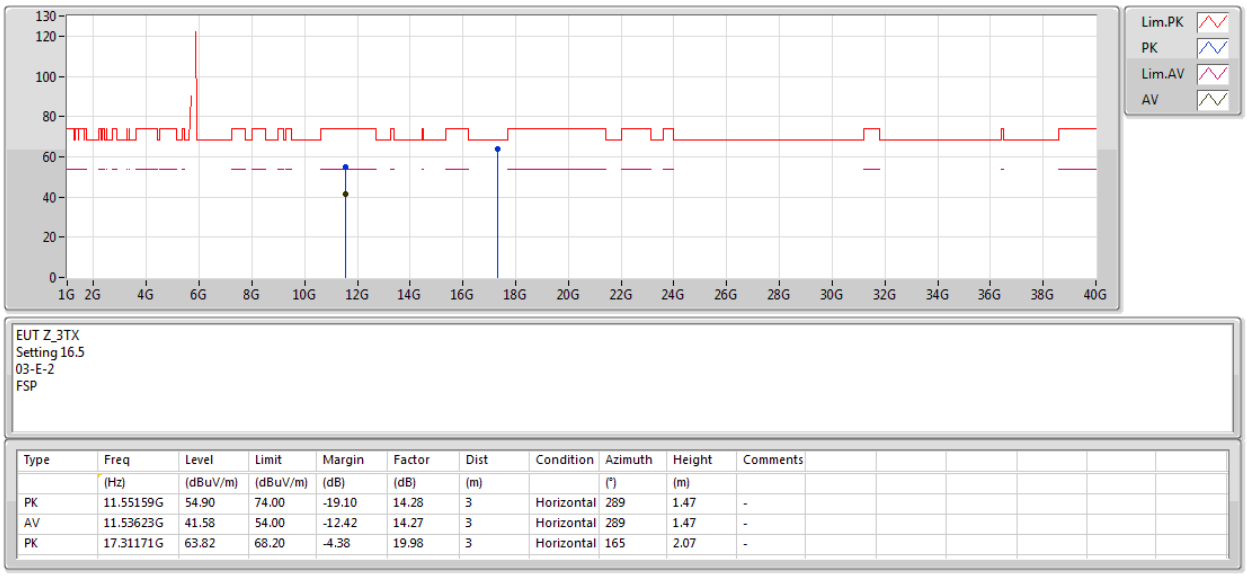
EUT Z_3TX
Setting 16.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.54043G	55.31	74.00	-18.69	14.27	3	Vertical	158	2.01	-
AV	11.53539G	42.05	54.00	-11.95	14.28	3	Vertical	158	2.01	-
PK	17.32716G	64.11	68.20	-4.09	20.07	3	Vertical	75	2.61	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



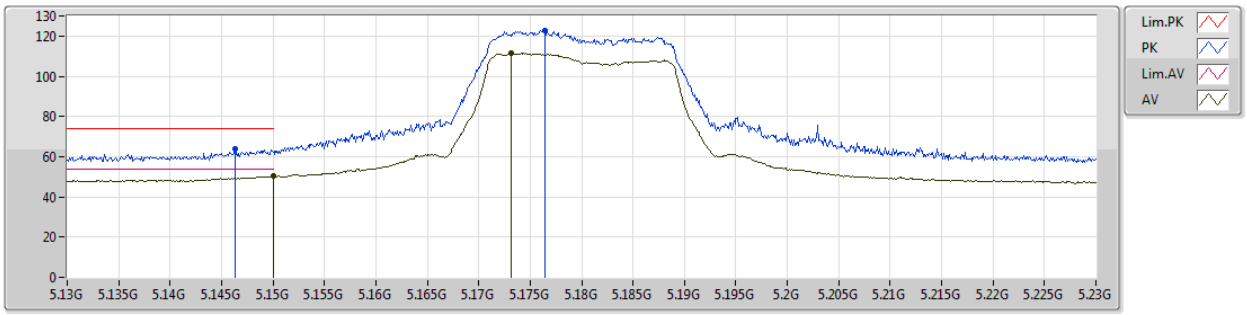
EUT Z_3TX
Setting 16.5
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.55159G	54.90	74.00	-19.10	14.28	3	Horizontal	289	1.47	-
AV	11.53623G	41.58	54.00	-12.42	14.27	3	Horizontal	289	1.47	-
PK	17.31171G	63.82	68.20	-4.38	19.98	3	Horizontal	165	2.07	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



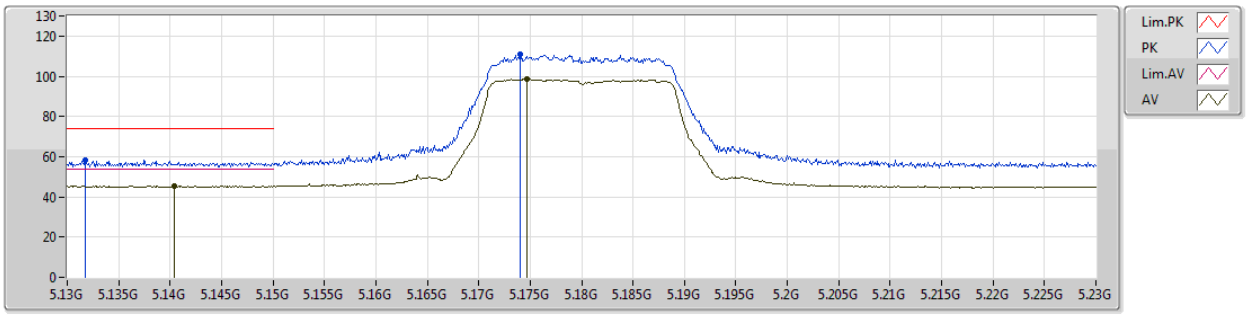
EUT Z_3TX
Setting 25
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1463G	63.85	74.00	-10.15	4.89	3	Vertical	96	1.39	-
AV	5.15G	50.23	54.00	-3.77	4.90	3	Vertical	96	1.39	-
PK	5.1764G	122.58	Inf	-Inf	4.93	3	Vertical	96	1.39	-
AV	5.1731G	111.32	Inf	-Inf	4.93	3	Vertical	96	1.39	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



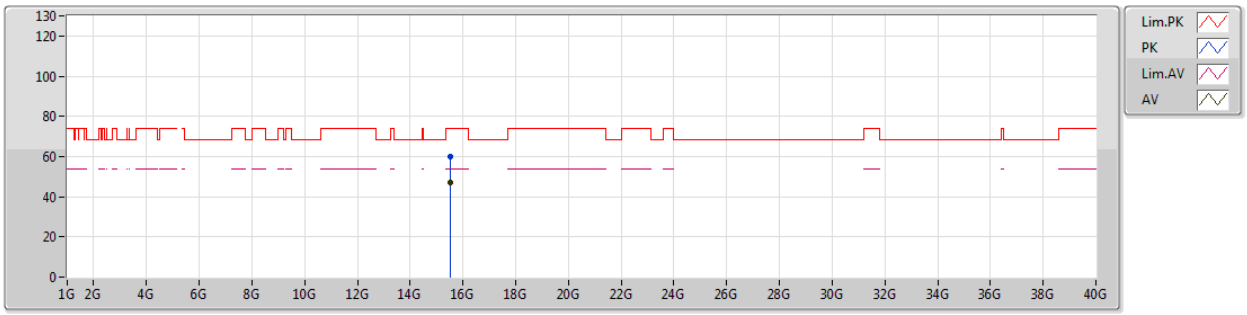
EUT Z_3TX
Setting 25
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1318G	58.13	74.00	-15.87	4.88	3	Horizontal	187	1.12	-
AV	5.1404G	45.44	54.00	-8.56	4.88	3	Horizontal	187	1.12	-
PK	5.174G	110.70	Inf	-Inf	4.93	3	Horizontal	187	1.12	-
AV	5.1747G	98.60	Inf	-Inf	4.93	3	Horizontal	187	1.12	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



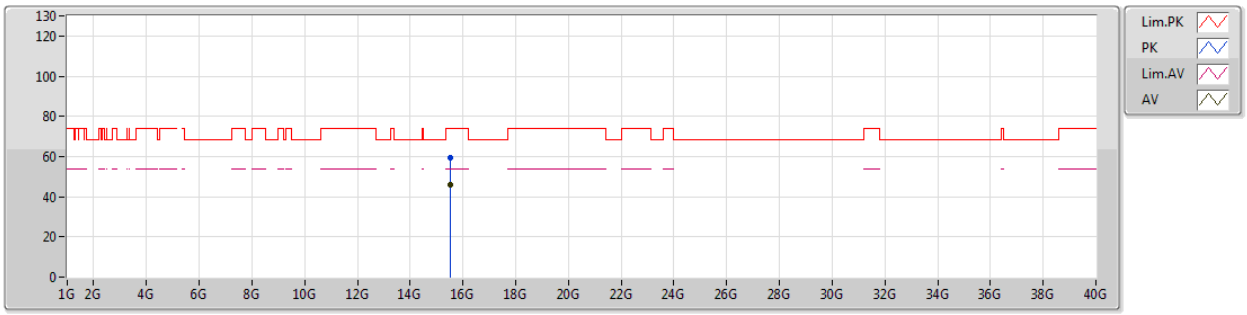
EUT Z_3TX
Setting 25
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.538G	60.01	74.00	-13.99	15.93	3	Vertical	64	1.70	-
AV	15.53971G	47.10	54.00	-6.90	15.93	3	Vertical	64	1.70	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

18/10/2018



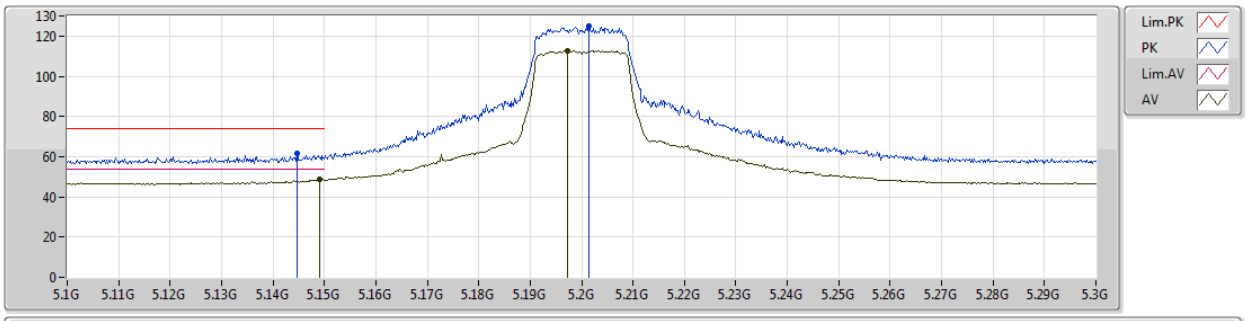
EUT Z_3TX
Setting 25
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.54248G	59.25	74.00	-14.75	15.93	3	Horizontal	197	2.13	-
AV	15.5405G	46.02	54.00	-7.98	15.93	3	Horizontal	197	2.13	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



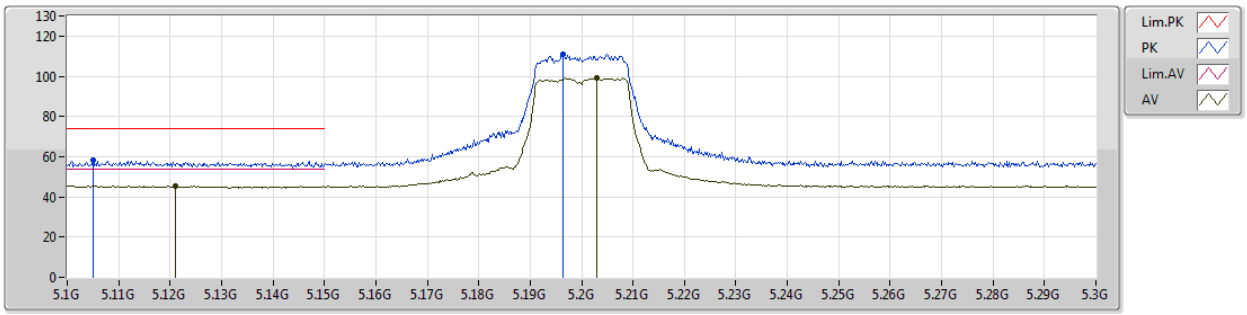
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1446G	61.73	74.00	-12.27	4.89	3	Vertical	90	1.84	-
AV	5.149G	48.65	54.00	-5.35	4.90	3	Vertical	90	1.84	-
PK	5.2014G	124.96	Inf	-Inf	4.96	3	Vertical	90	1.84	-
AV	5.1972G	112.81	Inf	-Inf	4.96	3	Vertical	90	1.84	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



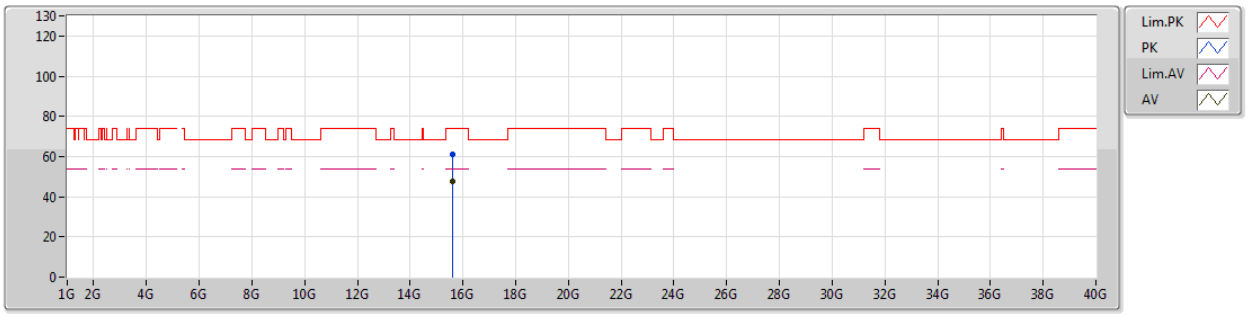
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.105G	58.49	74.00	-15.51	4.85	3	Horizontal	193	1.06	-
AV	5.121G	45.49	54.00	-8.51	4.86	3	Horizontal	193	1.06	-
PK	5.1964G	110.92	Inf	-Inf	4.95	3	Horizontal	193	1.06	-
AV	5.203G	99.25	Inf	-Inf	4.98	3	Horizontal	193	1.06	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



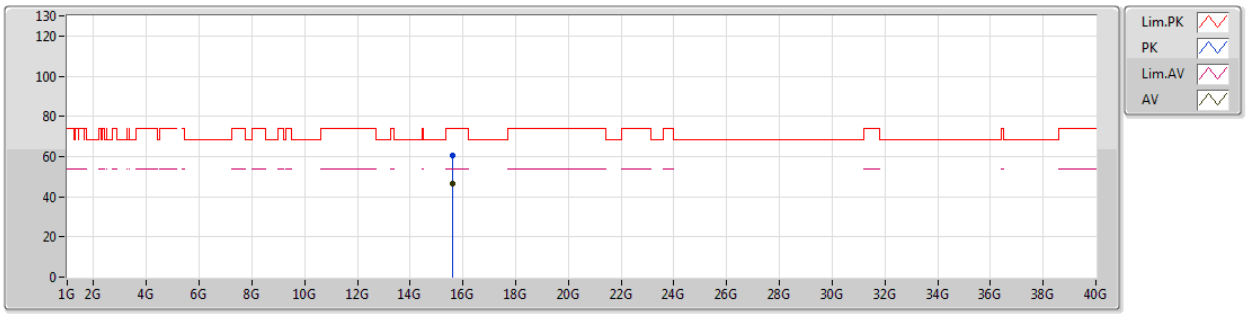
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.59938G	60.81	74.00	-13.19	15.83	3	Vertical	275	2.89	-
AV	15.59844G	47.59	54.00	-6.41	15.84	3	Vertical	275	2.89	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

18/10/2018



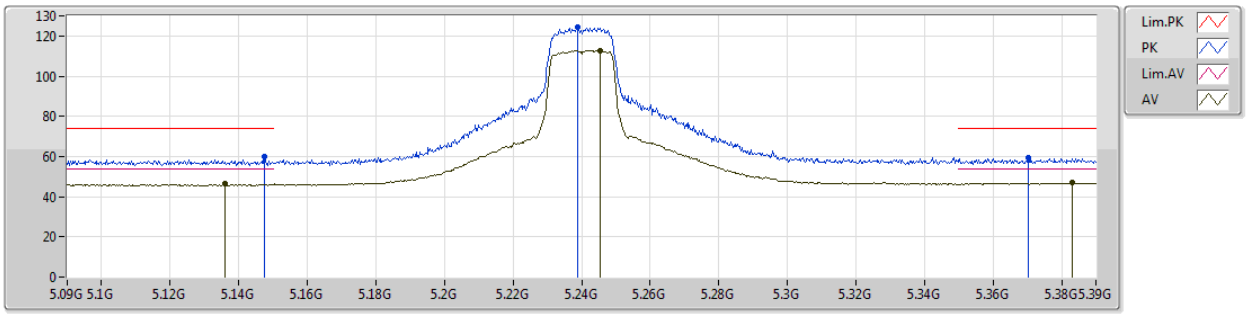
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6012G	60.63	74.00	-13.37	15.83	3	Horizontal	284	1.25	-
AV	15.59808G	46.35	54.00	-7.65	15.84	3	Horizontal	284	1.25	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



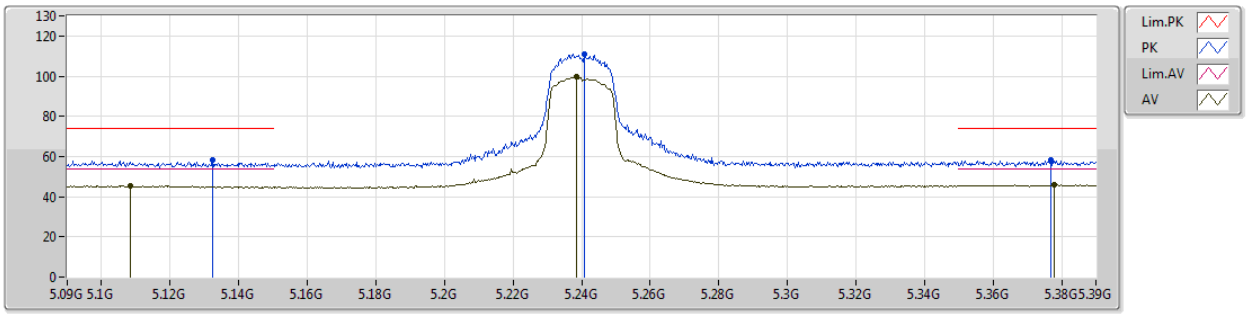
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1476G	59.99	74.00	-14.01	4.90	3	Vertical	97	1.38	-
AV	5.1359G	46.36	54.00	-7.64	4.89	3	Vertical	97	1.38	-
PK	5.2388G	124.63	Inf	-Inf	5.14	3	Vertical	97	1.38	-
AV	5.2454G	112.90	Inf	-Inf	5.16	3	Vertical	97	1.38	-
PK	5.3702G	59.24	74.00	-14.76	5.67	3	Vertical	97	1.38	-
AV	5.3831G	46.91	54.00	-7.09	5.72	3	Vertical	97	1.38	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



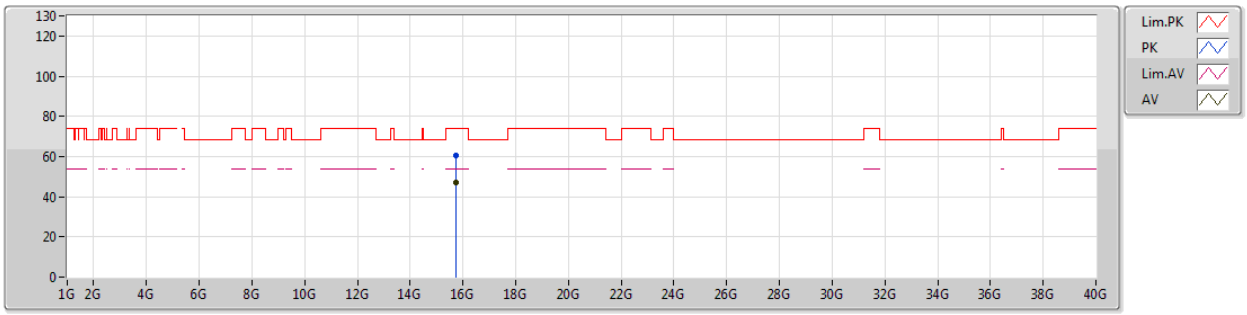
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1323G	58.25	74.00	-15.75	4.88	3	Horizontal	202	1.35	-
AV	5.1083G	45.23	54.00	-8.77	4.85	3	Horizontal	202	1.35	-
PK	5.2409G	110.92	Inf	-Inf	5.14	3	Horizontal	202	1.35	-
AV	5.2385G	99.68	Inf	-Inf	5.14	3	Horizontal	202	1.35	-
PK	5.3768G	58.27	74.00	-15.73	5.70	3	Horizontal	202	1.35	-
AV	5.3777G	45.81	54.00	-8.19	5.70	3	Horizontal	202	1.35	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



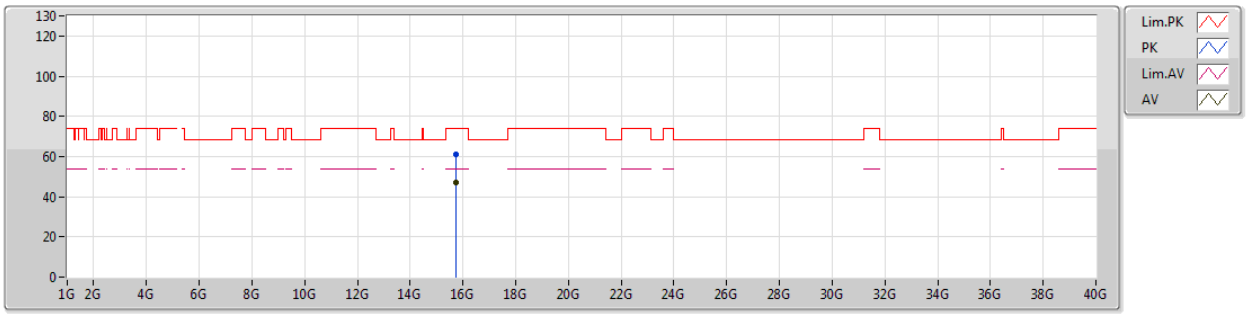
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7189G	60.63	74.00	-13.37	15.65	3	Vertical	274	1.09	-
AV	15.72105G	47.05	54.00	-6.95	15.65	3	Vertical	274	1.09	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

18/10/2018



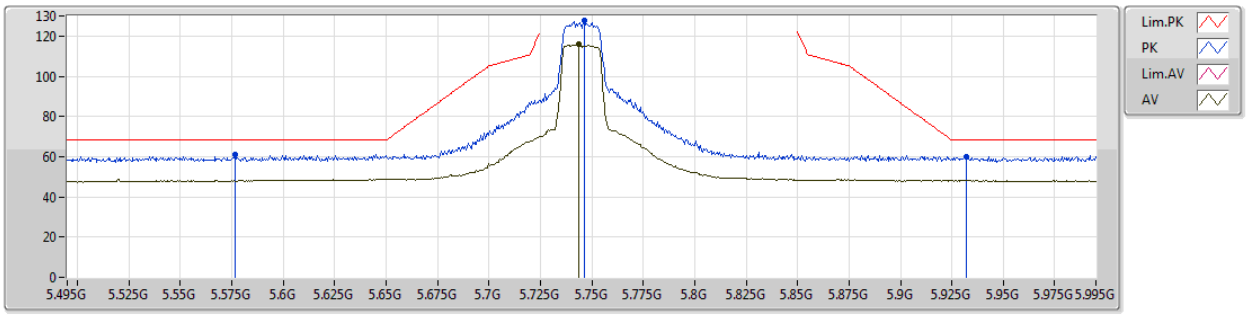
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72043G	60.80	74.00	-13.20	15.65	3	Horizontal	197	1.47	-
AV	15.72106G	46.99	54.00	-7.01	15.65	3	Horizontal	197	1.47	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



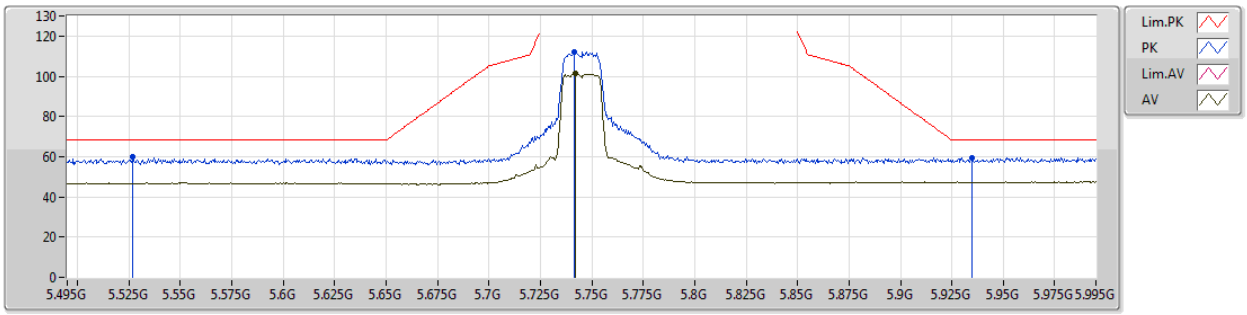
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5765G	61.05	68.20	-7.15	6.20	3	Vertical	33	1.96	-
PK	5.7465G	127.85	Inf	-Inf	6.88	3	Vertical	33	1.96	-
AV	5.7435G	115.74	Inf	-Inf	6.87	3	Vertical	33	1.96	-
PK	5.932G	60.17	68.20	-8.03	7.35	3	Vertical	33	1.96	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



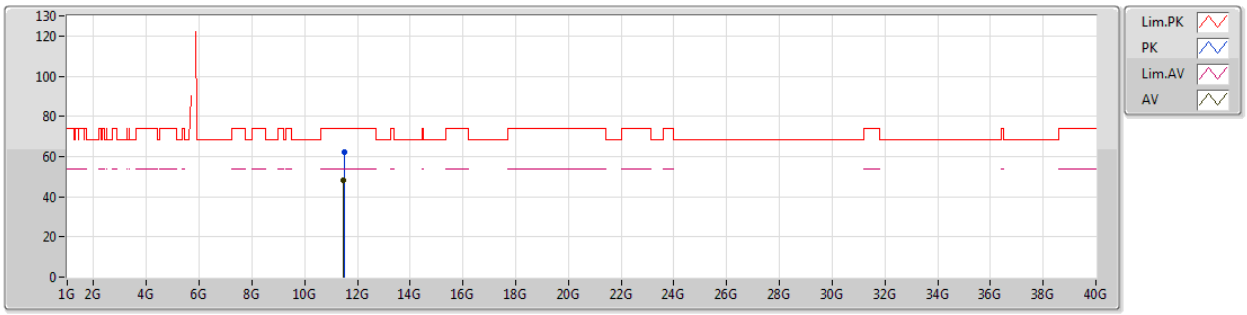
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.527G	60.10	68.20	-8.10	6.07	3	Horizontal	46	1.16	-
PK	5.7415G	111.99	Inf	-Inf	6.86	3	Horizontal	46	1.16	-
AV	5.742G	101.43	Inf	-Inf	6.86	3	Horizontal	46	1.16	-
PK	5.9345G	59.57	68.20	-8.63	7.36	3	Horizontal	46	1.16	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



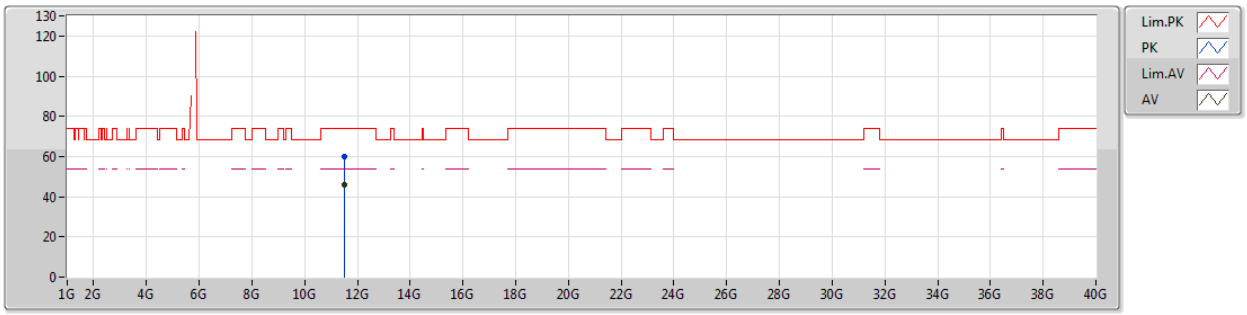
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49G	62.20	74.00	-11.80	13.33	3	Vertical	24	2.52	-
AV	11.48669G	48.20	54.00	-5.80	13.33	3	Vertical	24	2.52	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

18/10/2018



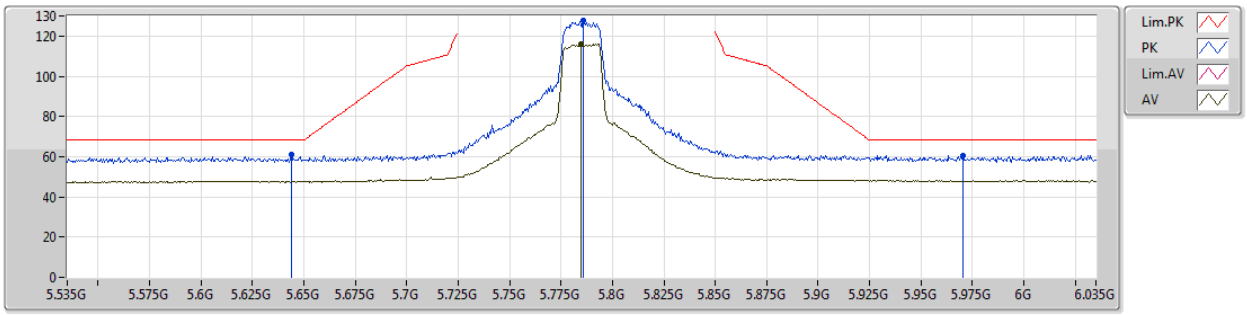
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48869G	59.82	74.00	-14.18	13.33	3	Horizontal	9	2.08	-
AV	11.48986G	46.14	54.00	-7.86	13.33	3	Horizontal	9	2.08	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



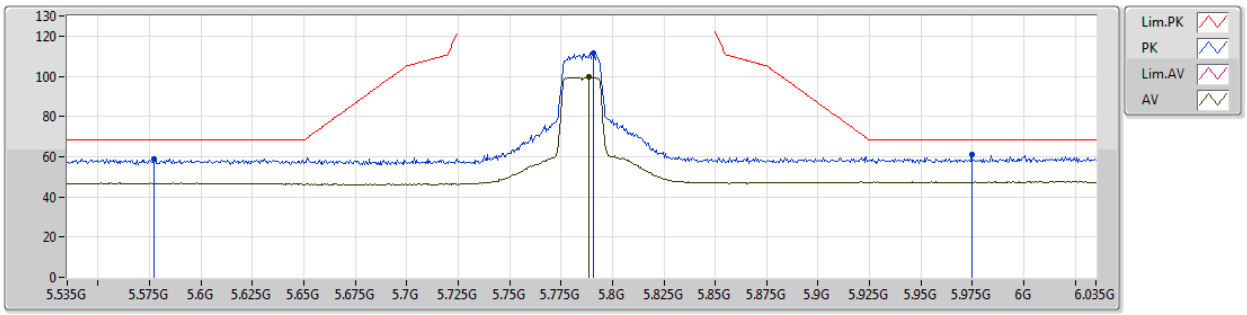
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.644G	60.91	68.20	-7.29	6.45	3	Vertical	212	1.98	-
PK	5.786G	127.48	Inf	-Inf	7.04	3	Vertical	212	1.98	-
AV	5.7845G	115.72	Inf	-Inf	7.04	3	Vertical	212	1.98	-
PK	5.9705G	60.56	68.20	-7.64	7.43	3	Vertical	212	1.98	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



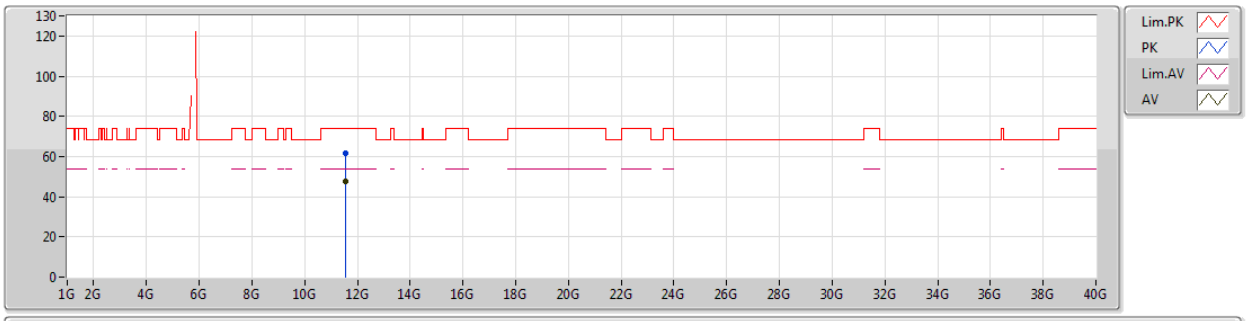
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.577G	59.00	68.20	-9.20	6.21	3	Horizontal	2	1.37	-
PK	5.7905G	111.30	Inf	-Inf	7.06	3	Horizontal	2	1.37	-
AV	5.7885G	99.78	Inf	-Inf	7.05	3	Horizontal	2	1.37	-
PK	5.9745G	60.89	68.20	-7.31	7.44	3	Horizontal	2	1.37	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



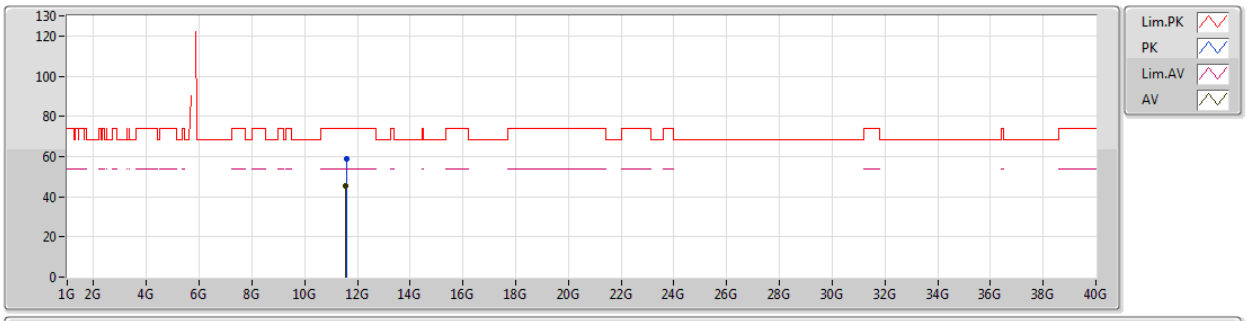
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56854G	61.70	74.00	-12.30	13.33	3	Vertical	359	1.75	-
AV	11.56978G	47.77	54.00	-6.23	13.33	3	Vertical	359	1.75	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

18/10/2018



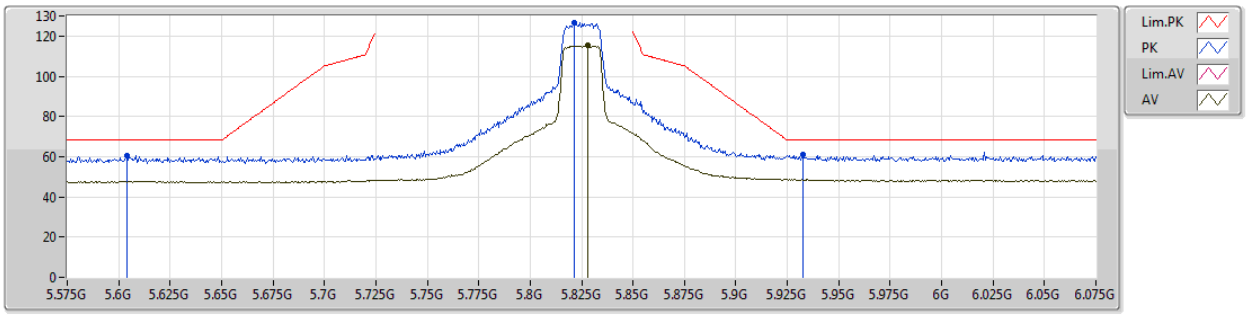
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57252G	58.84	74.00	-15.16	13.33	3	Horizontal	12	1.14	-
AV	11.56994G	45.22	54.00	-8.78	13.33	3	Horizontal	12	1.14	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



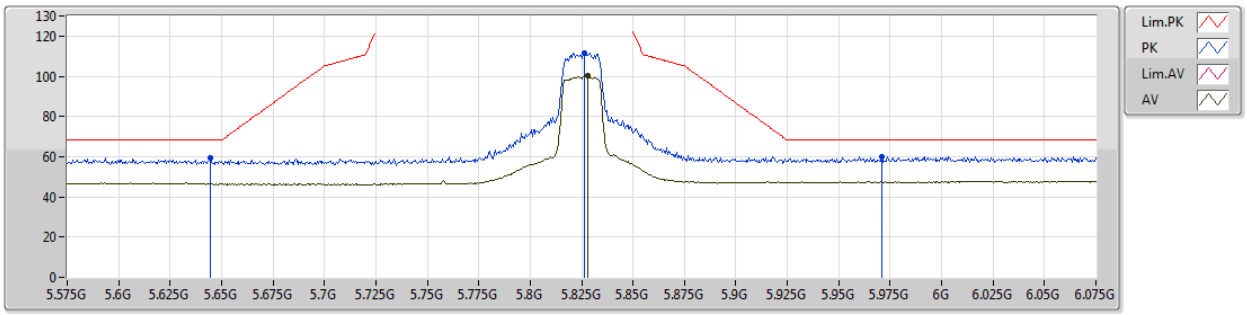
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.604G	60.52	68.20	-7.68	6.29	3	Vertical	213	1.88	-
PK	5.8215G	126.79	Inf	-Inf	7.14	3	Vertical	213	1.88	-
AV	5.828G	115.23	Inf	-Inf	7.15	3	Vertical	213	1.88	-
PK	5.9325G	60.91	68.20	-7.29	7.35	3	Vertical	213	1.88	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



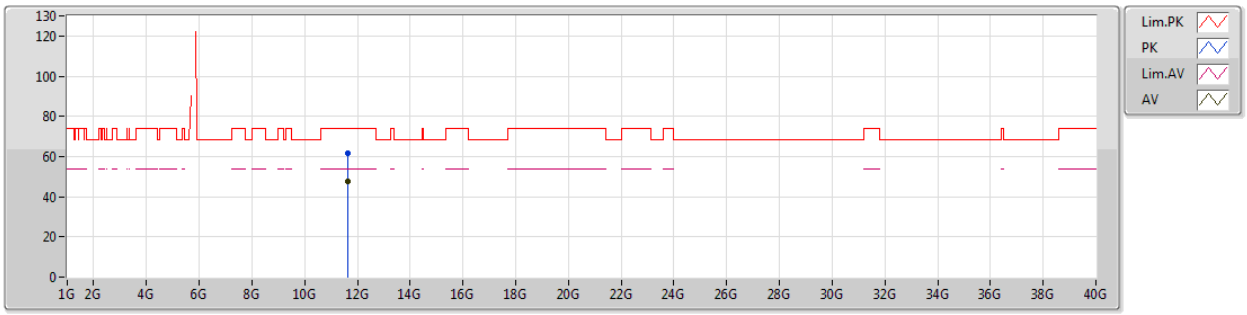
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6445G	59.23	68.20	-8.97	6.45	3	Horizontal	3	2.32	-
PK	5.8265G	111.63	Inf	-Inf	7.14	3	Horizontal	3	2.32	-
AV	5.828G	100.35	Inf	-Inf	7.15	3	Horizontal	3	2.32	-
PK	5.971G	60.19	68.20	-8.01	7.43	3	Horizontal	3	2.32	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



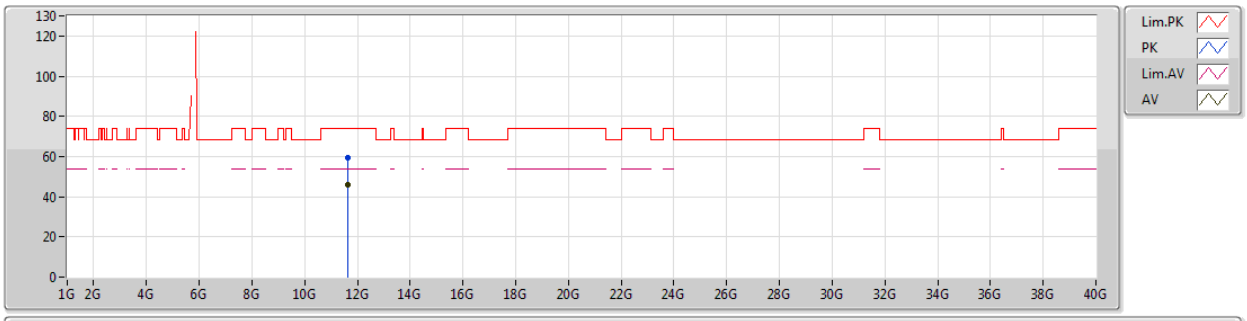
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64659G	61.56	74.00	-12.44	13.34	3	Vertical	236	2.49	-
AV	11.65105G	47.86	54.00	-6.14	13.34	3	Vertical	236	2.49	-

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

18/10/2018



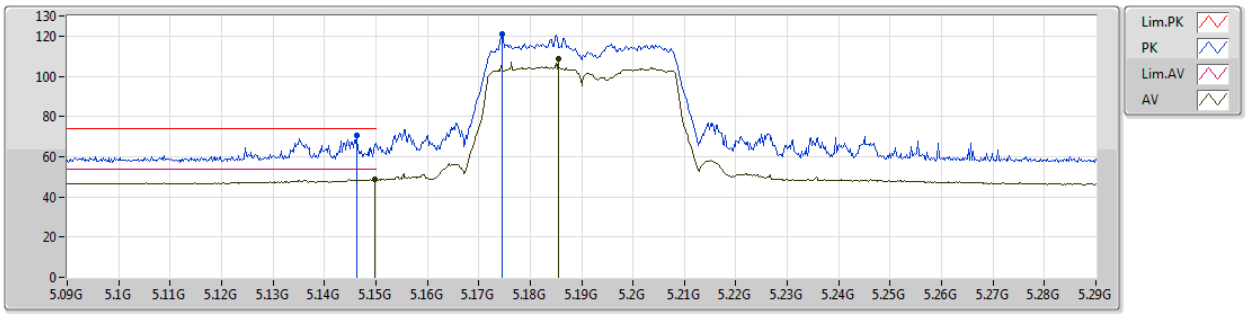
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65265G	59.58	74.00	-14.42	13.34	3	Horizontal	210	1.12	-
AV	11.65012G	45.95	54.00	-8.05	13.34	3	Horizontal	210	1.12	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



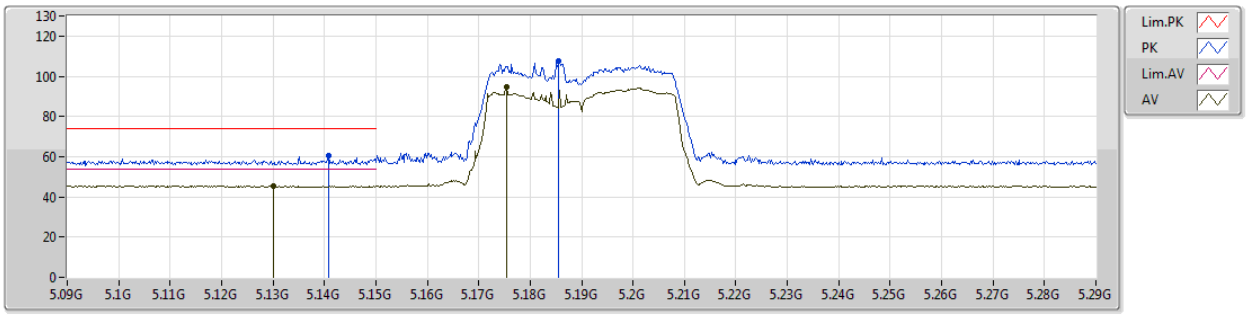
EUT Z_3TX
Setting 23
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1462G	70.59	74.00	-3.41	4.89	3	Vertical	136	1.01	-
AV	5.1498G	48.72	54.00	-5.28	4.90	3	Vertical	136	1.01	-
PK	5.1746G	120.97	Inf	-Inf	4.93	3	Vertical	136	1.01	-
AV	5.1854G	108.96	Inf	-Inf	4.95	3	Vertical	136	1.01	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



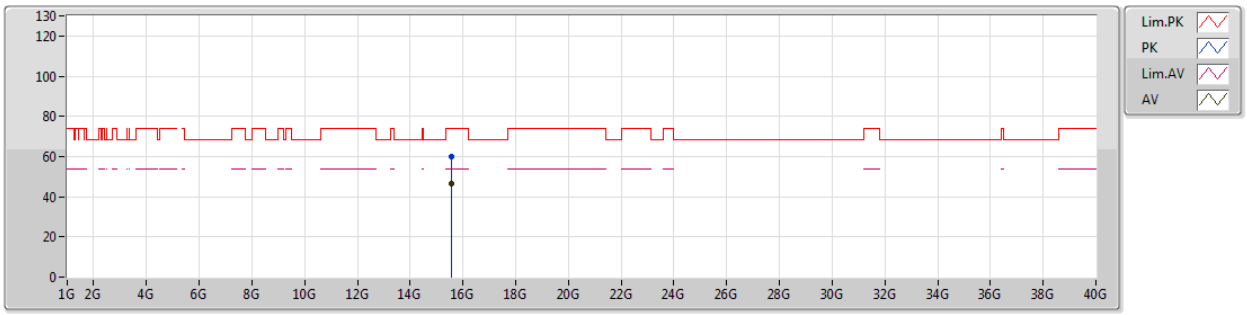
EUT Z_3TX
Setting 23
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1408G	60.38	74.00	-13.62	4.89	3	Horizontal	221	1.02	-
AV	5.13G	45.49	54.00	-8.51	4.88	3	Horizontal	221	1.02	-
PK	5.1856G	107.50	Inf	-Inf	4.95	3	Horizontal	221	1.02	-
AV	5.1754G	94.79	Inf	-Inf	4.93	3	Horizontal	221	1.02	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



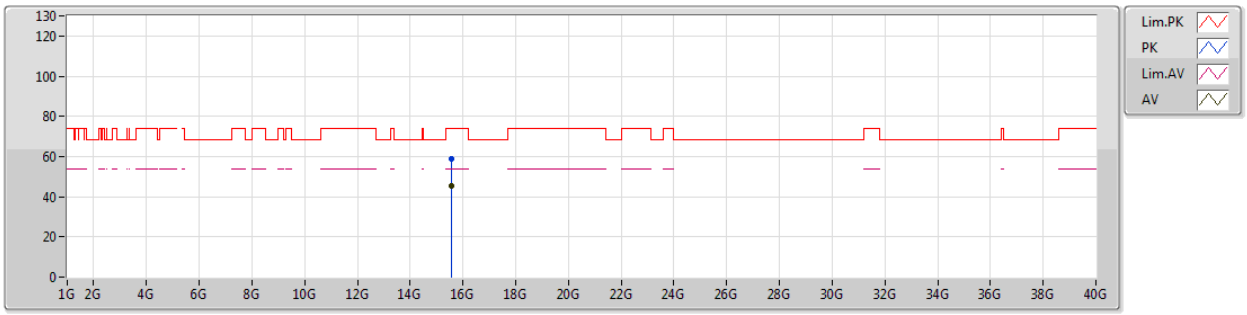
EUT Z_3TX
Setting 23
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.56913G	60.05	74.00	-13.95	15.89	3	Vertical	288	1.49	-
AV	15.57195G	46.29	54.00	-7.71	15.88	3	Vertical	288	1.49	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

18/10/2018



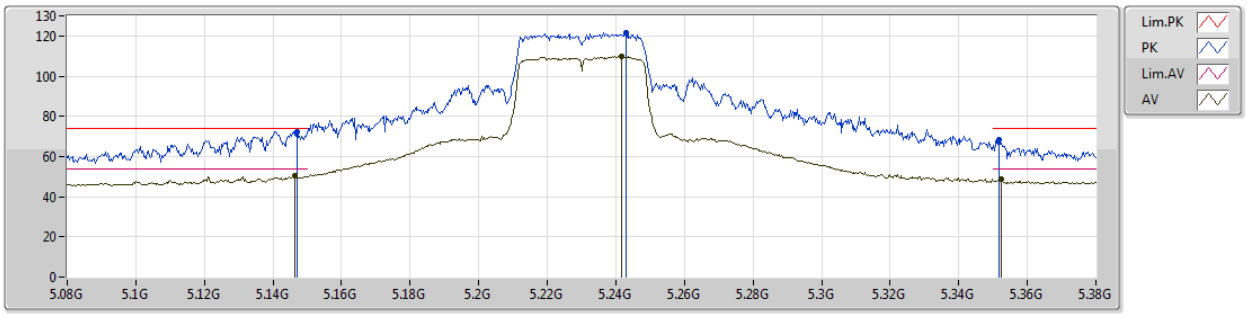
EUT Z_3TX
Setting 23
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.56569G	58.87	74.00	-15.13	15.90	3	Horizontal	171	1.69	-
AV	15.56587G	45.35	54.00	-8.65	15.90	3	Horizontal	171	1.69	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



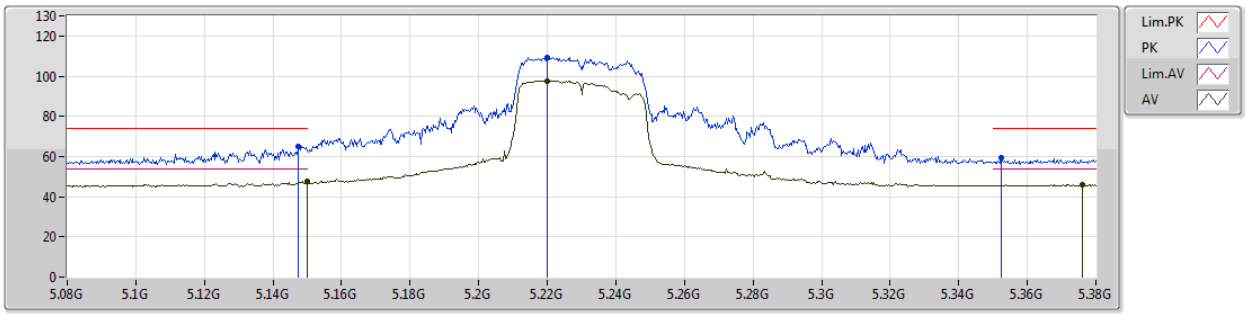
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1469G	72.31	74.00	-1.69	4.90	3	Vertical	91	2.04	-
AV	5.1463G	50.28	54.00	-3.72	4.89	3	Vertical	91	2.04	-
PK	5.2429G	121.74	Inf	-Inf	5.16	3	Vertical	91	2.04	-
AV	5.2417G	109.73	Inf	-Inf	5.14	3	Vertical	91	2.04	-
PK	5.3518G	68.36	74.00	-5.64	5.60	3	Vertical	91	2.04	-
AV	5.3524G	48.79	54.00	-5.21	5.61	3	Vertical	91	2.04	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



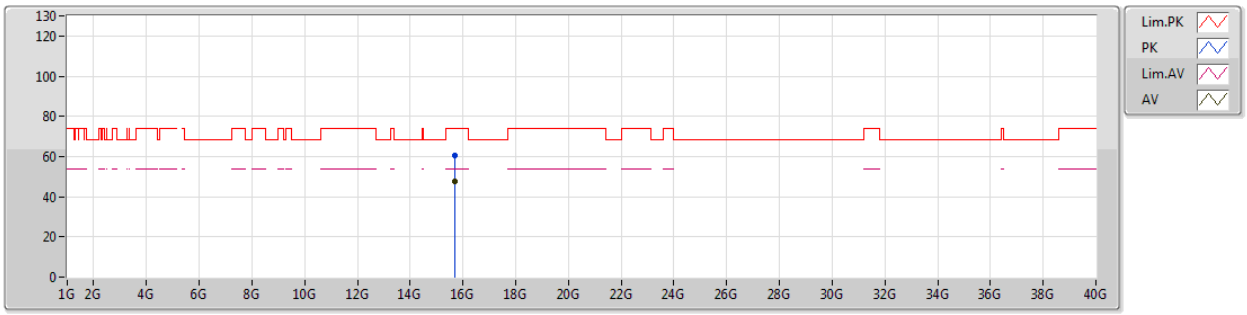
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1475G	64.89	74.00	-9.11	4.90	3	Horizontal	221	1.03	-
AV	5.1499G	47.80	54.00	-6.20	4.90	3	Horizontal	221	1.03	-
PK	5.2201G	109.31	Inf	-Inf	5.05	3	Horizontal	221	1.03	-
AV	5.2201G	97.74	Inf	-Inf	5.05	3	Horizontal	221	1.03	-
PK	5.3524G	59.37	74.00	-14.63	5.61	3	Horizontal	221	1.03	-
AV	5.3762G	46.06	54.00	-7.94	5.70	3	Horizontal	221	1.03	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



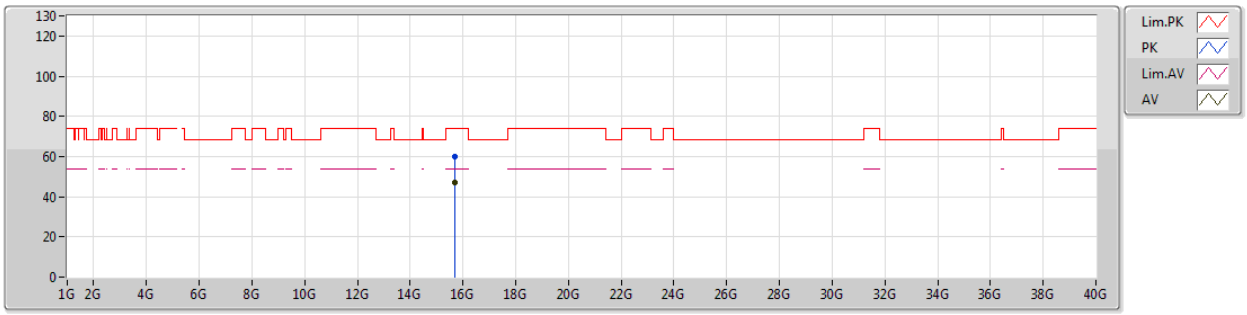
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.69487G	60.46	74.00	-13.54	15.68	3	Vertical	191	1.24	-
AV	15.68723G	47.54	54.00	-6.46	15.70	3	Vertical	191	1.24	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

18/10/2018



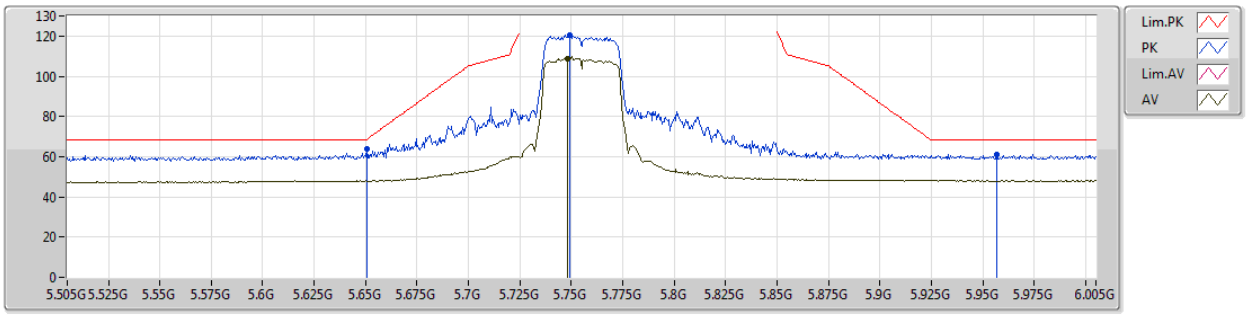
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.69291G	60.20	74.00	-13.80	15.68	3	Horizontal	28	1.78	-
AV	15.68766G	47.02	54.00	-6.98	15.70	3	Horizontal	28	1.78	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



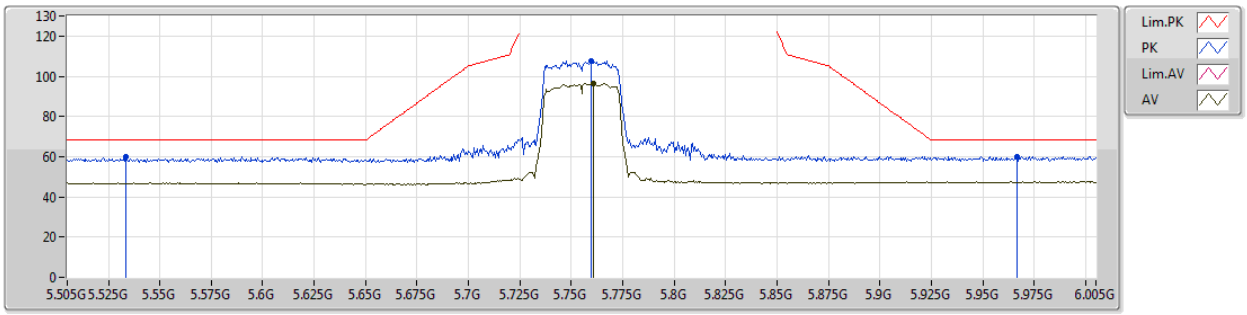
EUT Z_3TX
Setting 23
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6505G	63.65	68.57	-4.92	6.48	3	Vertical	210	2.00	-
PK	5.749G	120.38	Inf	-Inf	6.89	3	Vertical	210	2.00	-
AV	5.748G	108.82	Inf	-Inf	6.88	3	Vertical	210	2.00	-
PK	5.957G	61.07	68.20	-7.13	7.40	3	Vertical	210	2.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



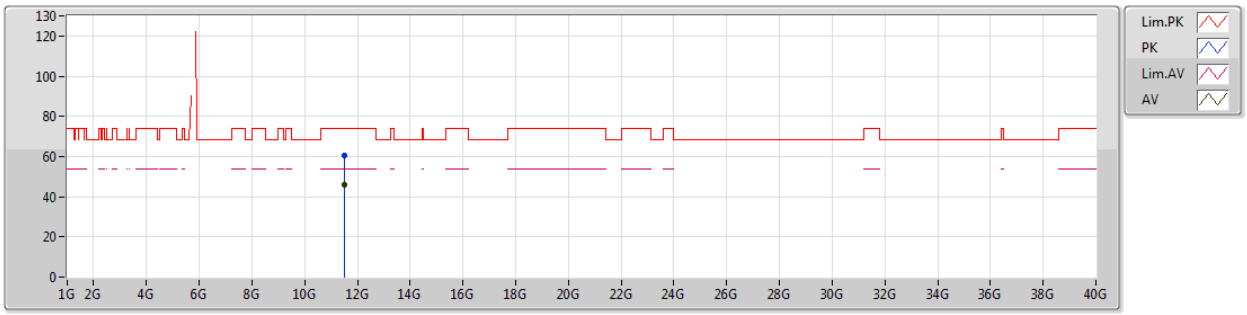
EUT Z_3TX
Setting 23
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5335G	60.16	68.20	-8.04	6.08	3	Horizontal	48	1.01	-
PK	5.7595G	107.41	Inf	-Inf	6.93	3	Horizontal	48	1.01	-
AV	5.761G	96.61	Inf	-Inf	6.93	3	Horizontal	48	1.01	-
PK	5.9665G	60.09	68.20	-8.11	7.42	3	Horizontal	48	1.01	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



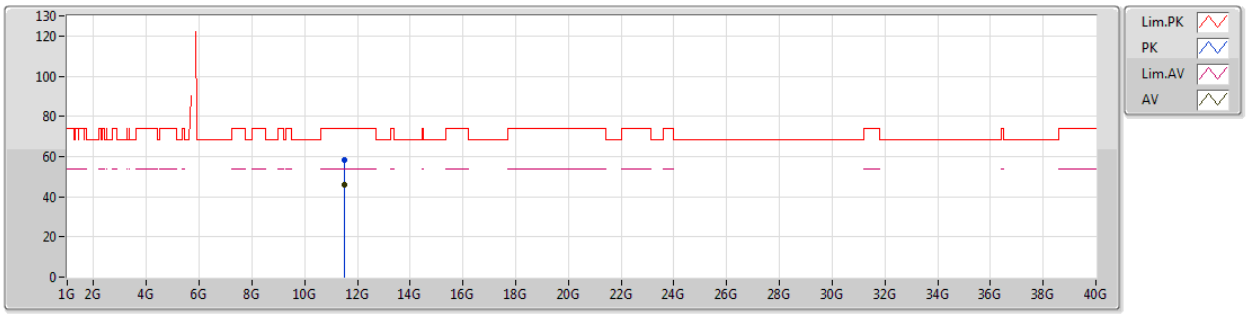
EUT Z_3TX
Setting 23
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51021G	60.52	74.00	-13.48	13.32	3	Vertical	94	1.49	-
AV	11.50859G	46.13	54.00	-7.87	13.32	3	Vertical	94	1.49	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

18/10/2018



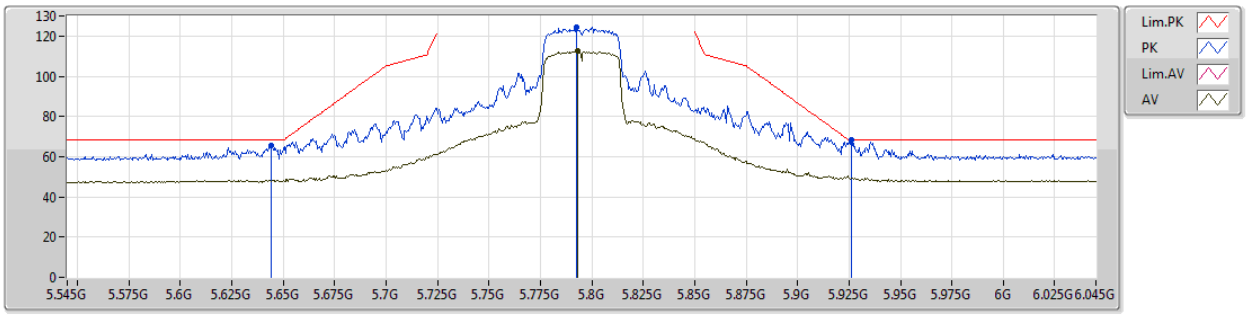
EUT Z_3TX
Setting 23
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51455G	58.35	74.00	-15.65	13.32	3	Horizontal	77	1.44	-
AV	11.50659G	45.92	54.00	-8.08	13.32	3	Horizontal	77	1.44	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



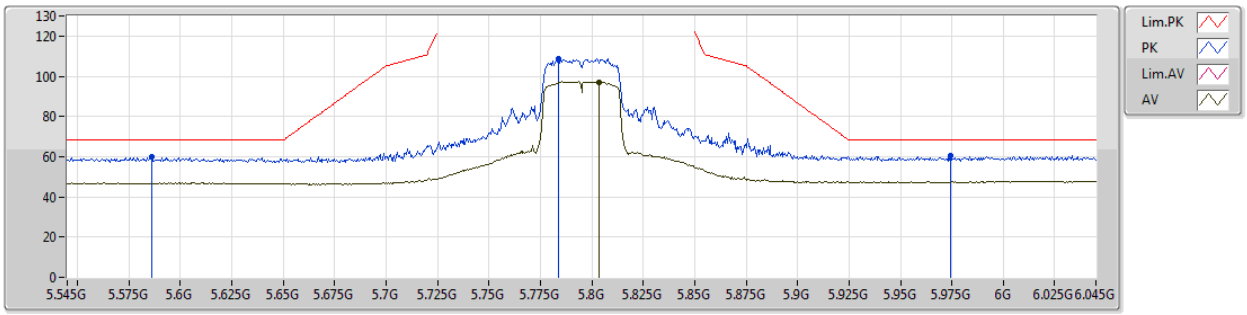
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.644G	65.53	68.20	-2.67	6.45	3	Vertical	219	1.99	-
PK	5.7925G	124.67	Inf	-Inf	7.07	3	Vertical	219	1.99	-
AV	5.793G	112.49	Inf	-Inf	7.07	3	Vertical	219	1.99	-
PK	5.926G	68.17	68.20	-0.03	7.33	3	Vertical	219	1.99	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



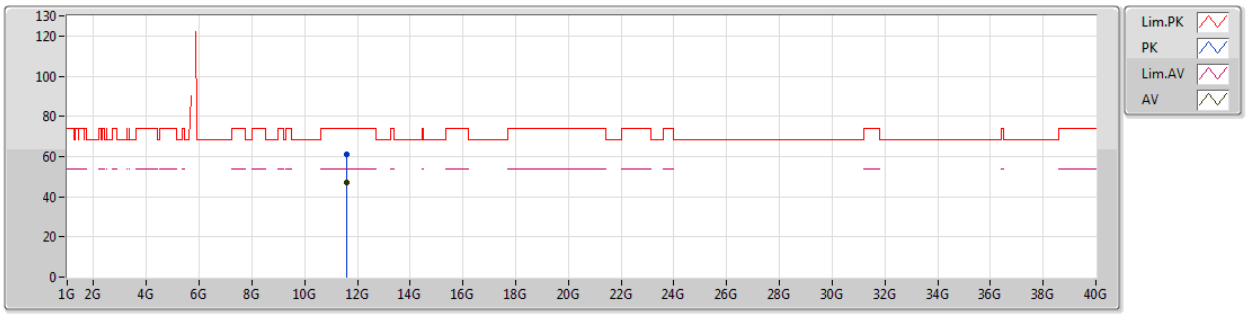
EUT Z_3TX
Setting 26
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.586G	59.72	68.20	-8.48	6.23	3	Horizontal	0	1.41	-
PK	5.784G	108.97	Inf	-Inf	7.04	3	Horizontal	0	1.41	-
AV	5.8035G	97.16	Inf	-Inf	7.11	3	Horizontal	0	1.41	-
PK	5.9745G	60.36	68.20	-7.84	7.44	3	Horizontal	0	1.41	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



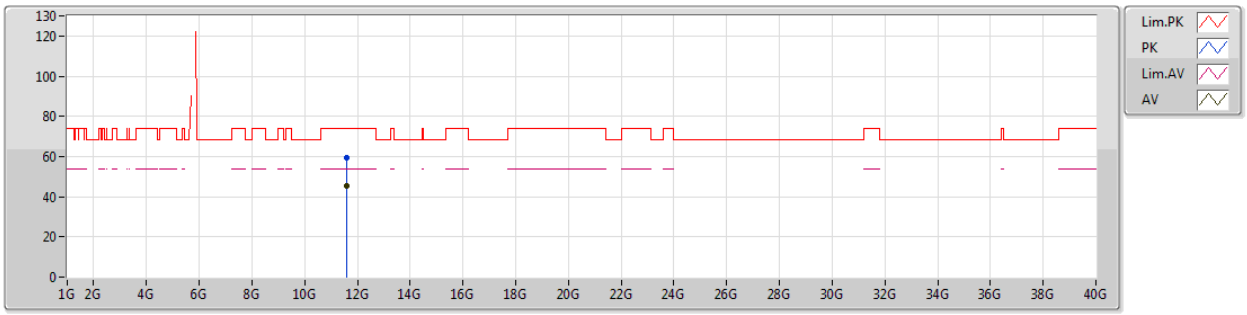
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58996G	61.32	74.00	-12.68	13.33	3	Vertical	322	1.08	-
AV	11.58962G	47.06	54.00	-6.94	13.33	3	Vertical	322	1.08	-

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

18/10/2018



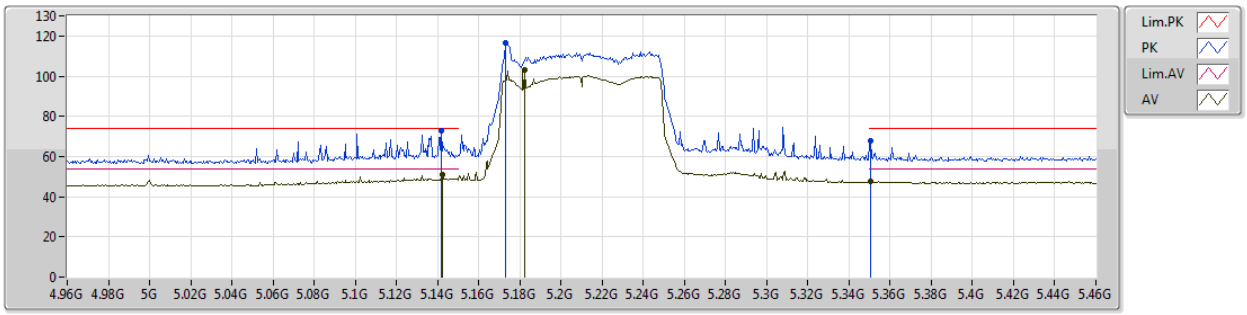
EUT Z_3TX
Setting 26
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58939G	59.32	74.00	-14.68	13.33	3	Horizontal	169	2.41	-
AV	11.58987G	45.59	54.00	-8.41	13.33	3	Horizontal	169	2.41	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



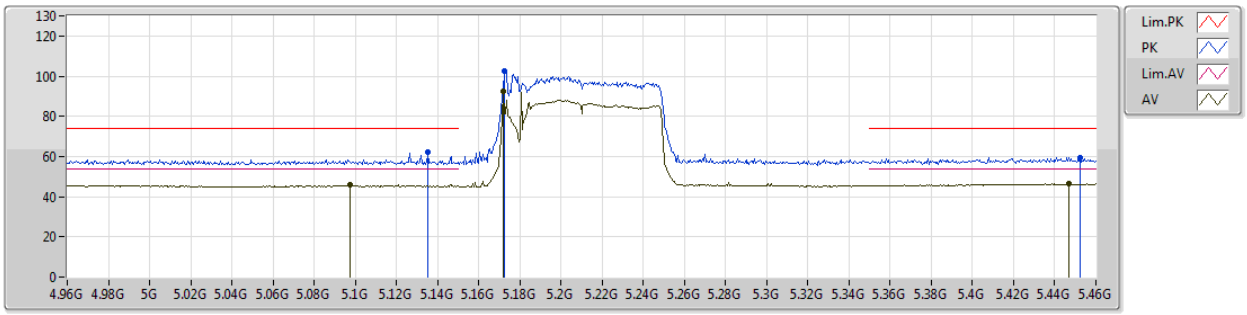
EUT Z_3TX
Setting 23
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.142G	72.76	74.00	-1.24	4.89	3	Vertical	91	1.38	-
AV	5.1425G	50.96	54.00	-3.04	4.89	3	Vertical	91	1.38	-
PK	5.173G	116.83	Inf	-Inf	4.93	3	Vertical	91	1.38	-
AV	5.1825G	103.18	Inf	-Inf	4.94	3	Vertical	91	1.38	-
PK	5.3505G	67.75	74.00	-6.25	5.60	3	Vertical	91	1.38	-
AV	5.3505G	47.71	54.00	-6.29	5.60	3	Vertical	91	1.38	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



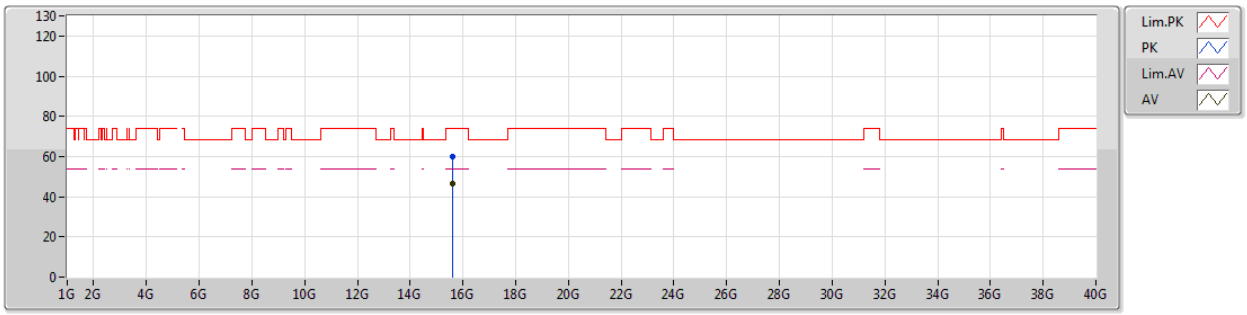
EUT Z_3TX
Setting 23
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1355G	62.16	74.00	-11.84	4.89	3	Horizontal	50	2.34	-
AV	5.0975G	46.05	54.00	-7.95	4.84	3	Horizontal	50	2.34	-
PK	5.1725G	102.68	Inf	-Inf	4.93	3	Horizontal	50	2.34	-
AV	5.172G	92.31	Inf	-Inf	4.93	3	Horizontal	50	2.34	-
PK	5.4525G	59.63	74.00	-14.37	5.90	3	Horizontal	50	2.34	-
AV	5.447G	46.66	54.00	-7.34	5.89	3	Horizontal	50	2.34	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



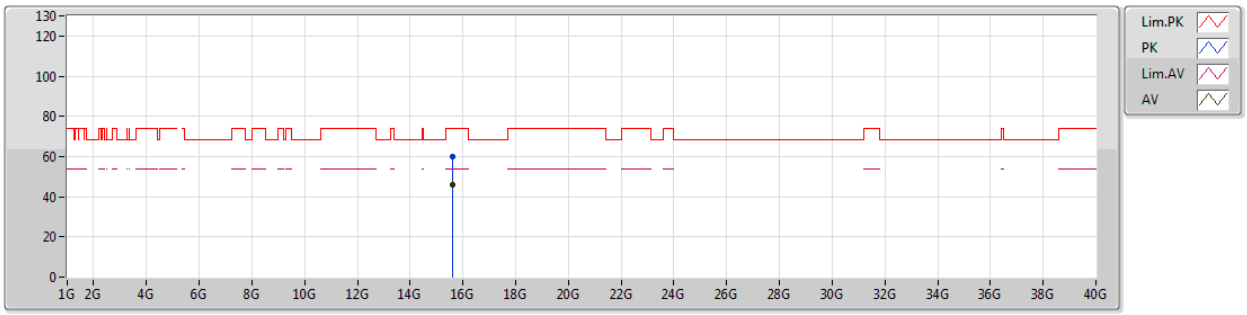
EUT Z_3TX
Setting 23
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62842G	59.70	74.00	-14.30	15.80	3	Vertical	224	1.62	-
AV	15.62924G	46.25	54.00	-7.75	15.80	3	Vertical	224	1.62	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

18/10/2018



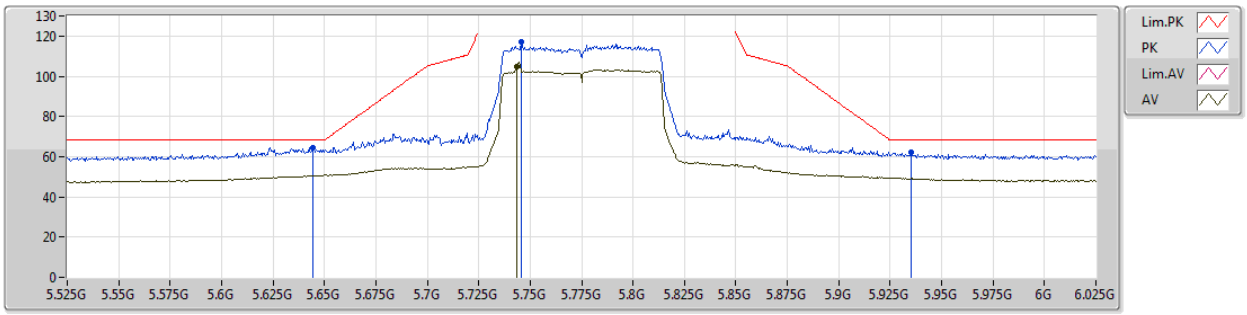
EUT Z_3TX
Setting 23
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62786G	59.88	74.00	-14.12	15.80	3	Horizontal	184	1.95	-
AV	15.62788G	46.12	54.00	-7.88	15.80	3	Horizontal	184	1.95	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



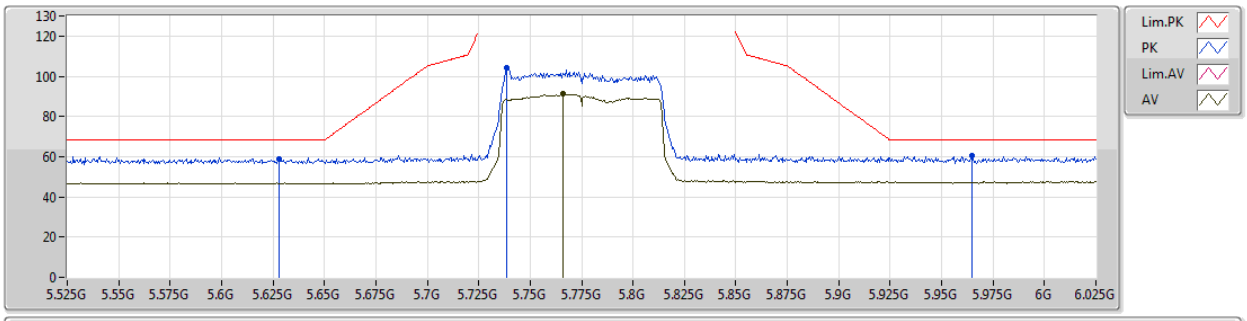
EUT Z_3TX
Setting 21
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6445G	64.33	68.20	-3.87	6.45	3	Vertical	221	2.05	-
PK	5.7455G	117.26	Inf	-Inf	6.88	3	Vertical	221	2.05	-
AV	5.7435G	104.52	Inf	-Inf	6.87	3	Vertical	221	2.05	-
PK	5.935G	62.01	68.20	-6.19	7.36	3	Vertical	221	2.05	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



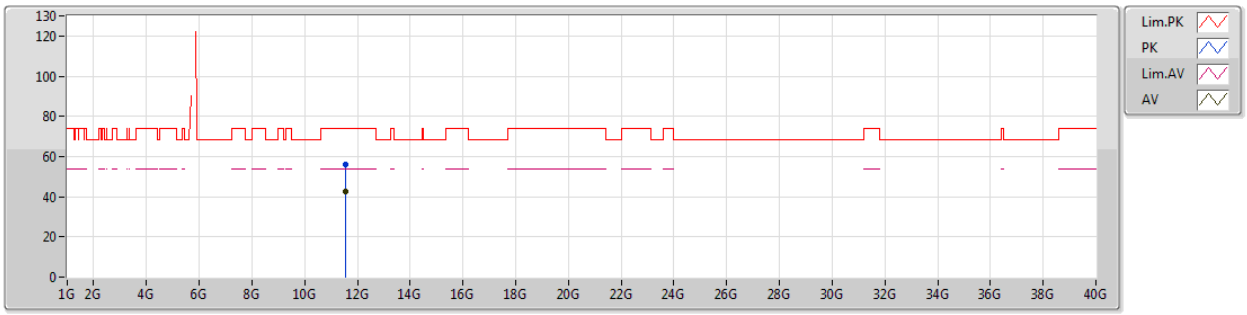
EUT Z_3TX
Setting 21
01-W-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.628G	59.10	68.20	-9.10	6.38	3	Horizontal	48	1.01	-
PK	5.7385G	104.38	Inf	-Inf	6.85	3	Horizontal	48	1.01	-
AV	5.766G	91.08	Inf	-Inf	6.95	3	Horizontal	48	1.01	-
PK	5.9645G	60.30	68.20	-7.90	7.41	3	Horizontal	48	1.01	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

18/10/2018



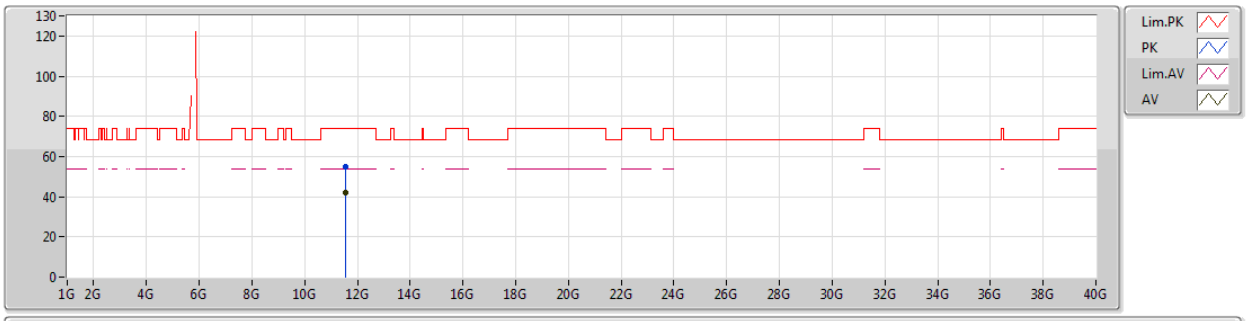
EUT Z_3TX
Setting 21
01-W-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.55059G	56.15	74.00	-17.85	13.33	3	Vertical	359	1.50	-
AV	11.54955G	42.83	54.00	-11.17	13.33	3	Vertical	359	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

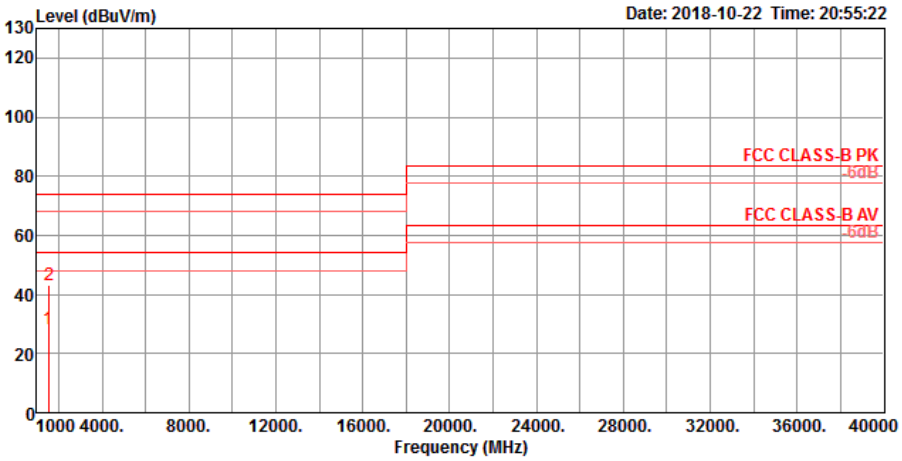
18/10/2018



EUT Z_3TX
Setting 21
01-W-3
FSP(100019)

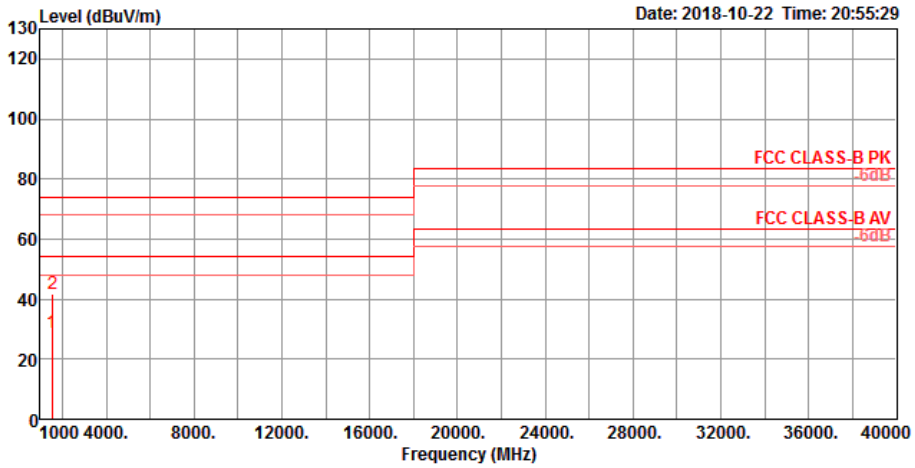
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.54933G	54.76	74.00	-19.24	13.33	3	Horizontal	230	1.91	-
AV	11.54988G	41.81	54.00	-12.19	13.33	3	Horizontal	230	1.91	-

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	1548.60	28.10	54.00	-25.90	33.71	3.63	25.33	34.57	102	155	Average	HORIZONTAL
2	1550.42	43.00	74.00	-31.00	48.60	3.64	25.33	34.57	102	155	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	1548.33	28.58	54.00	-25.42	34.19	3.63	25.33	34.57	100	215	Average	VERTICAL
2	1549.22	41.64	74.00	-32.36	47.25	3.63	25.33	34.57	100	215	Peak	VERTICAL