Testing Laboratory
1190

FCC RADIO TEST REPORT

FCC ID	:	Q87- 03458
Equipment	:	Dual-Band 802.11ax Wireless Router
Brand Name	:	LINKSYS
Model Name	:	MR9600, EA9350
Applicant	:	Linksys LLC 121 Theory Drive, Irvine, CA 92617, USA
Standard	:	47 CFR FCC Part 15.407

The product was received on Apr. 30, 2019, and testing was started from Apr. 30, 2019 and completed on Aug. 28, 2019. 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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History of this test report

Report No.	Version	Description	Issued Date
FR962635AB	01	Initial issue of report	Sep. 12, 2019

Summary of Test Result

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

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

Reviewed by: Sam Chen

Report Producer: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Ant.	Port		Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
	2.4GHz	5GHz					2.4GHz	5GHz	Bluetooth
1	1	2	ARISTOTLE	RFA-52-F100-2-L	Dipole	I-PEX	2.88	2.05	-
2	2	3	ARISTOTLE	RFA-52-F100-3-R	Dipole	I-PEX	2.23	2.12	-
3	3	1	ARISTOTLE	RFA-52-F100-1L	Dipole	I-PEX	2.27	2.28	-
4	4	4	ARISTOTLE	RFA-52-F100-4-R	Dipole	I-PEX	2.00	2.08	-
5	1	-	N/A	N/A	Printed	N/A	-	-	3.57

Note 1: The above information was declared by manufacturer.
Note 2: The product has beamforming function for n/VHT/ax in 2.4GHz and the gain is 5.26dBi and n/ac/ax in 5GHz and the gain is 4.78dBi.

For 2.4GHz function:
For IEEE 802.11b/g/n/VHT/ax (4TX/4RX):
Port 1, Port 2, Pot 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Pot 3 and Port 4 could transmit/receive simultaneously.

For 5GHz function:
For IEEE 802.11a/n/ac/ax (4TX/4RX):
Port 1, Port 2, Pot 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Pot 3 and Port 4 could transmit/receive simultaneously.

For Bluetooth function:

Only Port 1 can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.953	0.21	2.068m	1k
802.11ac VHT20	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.971	0.13	953.125u	3k
802.11ac VHT40-BF	0.971	0.13	952.5u	3k
802.11ac VHT80	0.944	0.25	461.25u	3k
802.11ac VHT80-BF	0.941	0.26	461.25u	3k
802.11ax HEW20	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.94	0.27	2.988m	1k
802.11ax HEW40	0.964	0.16	773.75u	3k
802.11ax HEW40-BF	0.942	0.26	4.36m	300
802.11ax HEW80	0.929	0.32	402.5u	3k
802.11ax HEW80-BF	0.952	0.21	4.856m	300

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	17.10.77.12(r774095 WL TEST)			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The EUT has two model names which are identical to each other in all aspects except for the following table:

Model Name	Description
MR9600	All the models are identical; different models serve as marketing strategy.
EA9350	

From the above models, model: MR9600 was selected as representative model for the test and its data was recorded in this report.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- FCC KDB 789033 D02 v02r01
- FCC KDB 662911 D01 v02r01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	DK Chang	24.6-26.5℃ / 63-65%	May 09, 2019~ Aug. 17, 2019
Radiated (Below 1GHz)	03CH06-CB	Cola Fan	25.3-26.6℃ / 60-66%	Apr. 30, 2019~ Aug. 28, 2019
Radiated (Above 1GHz)	03CH06-CB	Cola Fan	29.7-30.5℃ / 67-69%	Apr. 30, 2019~ Aug. 28, 2019
AC Conduction	CO01-CB	Max Lin	23~24℃ / 59~60 %	Aug . 28, 2019

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

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	87
5200MHz	86
5240MHz	87
5745MHz	98
5785MHz	99
5825MHz	100
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	86
5200MHz	87
5240MHz	88
5745MHz	96
5785MHz	97
5825MHz	98
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	74
5230MHz	76
5755MHz	96
5795MHz	97
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	71
5775MHz	90
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	86
5200MHz	87
5240MHz	88
5745MHz	96
5785MHz	97
5825MHz	98
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	74
5230MHz	76
5755MHz	96
5795MHz	97
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	71

Mode	PowerSetting
5775MHz	90
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	85
5200MHz	85
5240MHz	85
5745MHz	86
5785MHz	87
5825MHz	88
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	73
5230MHz	88
5755MHz	86
5795MHz	87
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	77
5775MHz	87
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	85
5200MHz	85
5240MHz	85
5745MHz	86
5785MHz	87
5825MHz	88
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	73
5230MHz	88
5755MHz	86
5795MHz	87
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	77
5775MHz	87

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 modes of EUT, one is beamforming mode, and the other is Non-beamforming mode for n/VHT/ax in 2.4GHz and n/ac/ax in 5GHz, Beamforming mode and Non-beamforming mode has been test and record in this test 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	CTX
1	2.4GHz + Adapter 1
2	5GHz + Adapter 1
3	Bluetooth BR/EDR + Adapter 1
4	Bluetooth LE + Adapter 1
Mode 1 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 ~ 7 will follow this same test mode.	
5	2.4GHz + Adapter 2
6	2.4GHz + Adapter 3
7	2.4GHz + Adapter 4 + power cord
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 Unwanted Emissions
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	2.4GHz + Adapter 1
2	5GHz + Adapter 1
3	Bluetooth BR/EDR + Adapter 1
4	Bluetooth LE + Adapter 1
Mode 4 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 ~ 7 will follow this same test mode.	
5	Bluetooth LE + Adapter 2
6	Bluetooth LE + Adapter 3
7	Bluetooth LE + Adapter 4 + power cord
For operating mode 4 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX

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
1	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	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA962635 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.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP 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**	**DC power Line**
Adapter 1	Ktec	KSAS0501200400HU	Input: 100-240V~50/60Hz 1.2A Output: 12V, 4.0A	-
Adapter 2	Ktec	KSAS0501200400M2	Input: 100-240V~50/60Hz 1.2A Output: 12V, 4.0A	Non-Shielded, 1.3m
Adapter 3	LEI	MU48AY120400-A1	Input: 100-240V~50/60Hz 1.5A Output: 12V, 4A	-
Adapter 4	APD	DA-48T12	Input: 100-240V~50/60Hz 1.4A Max Output: 12V, 4A	Non-Shielded, 1.3m
Others				
Power cord*2: Non-Shielded, 1m (Use for Adapter 2 and Adapter 4)				
RJ-45 cable*1: Non-Shielded, 1m				

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A
C	Flash disk3.0	Transcend	JetFlash-700	N/A

For Radiated (below 1GHz):

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

For Radiated (above 1GHz):
<Non-beamforming mode>

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

<beamforming mode>

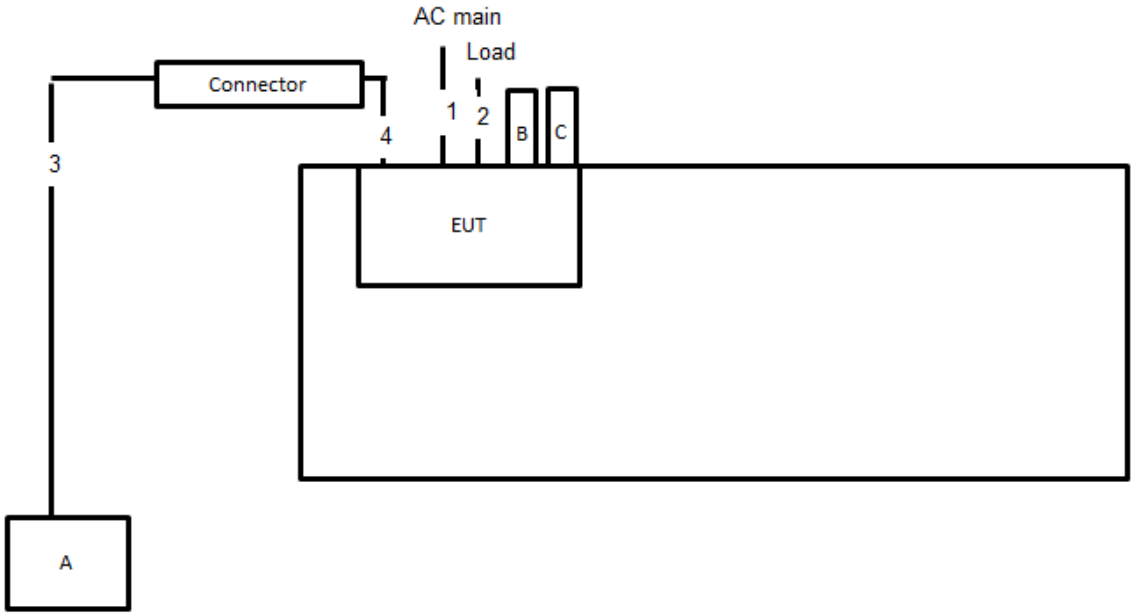
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	WLAN AP	ASUS	RT-AX88U	N/A
C	Notebook	DELL	E4300	N/A

For RF Conducted:

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

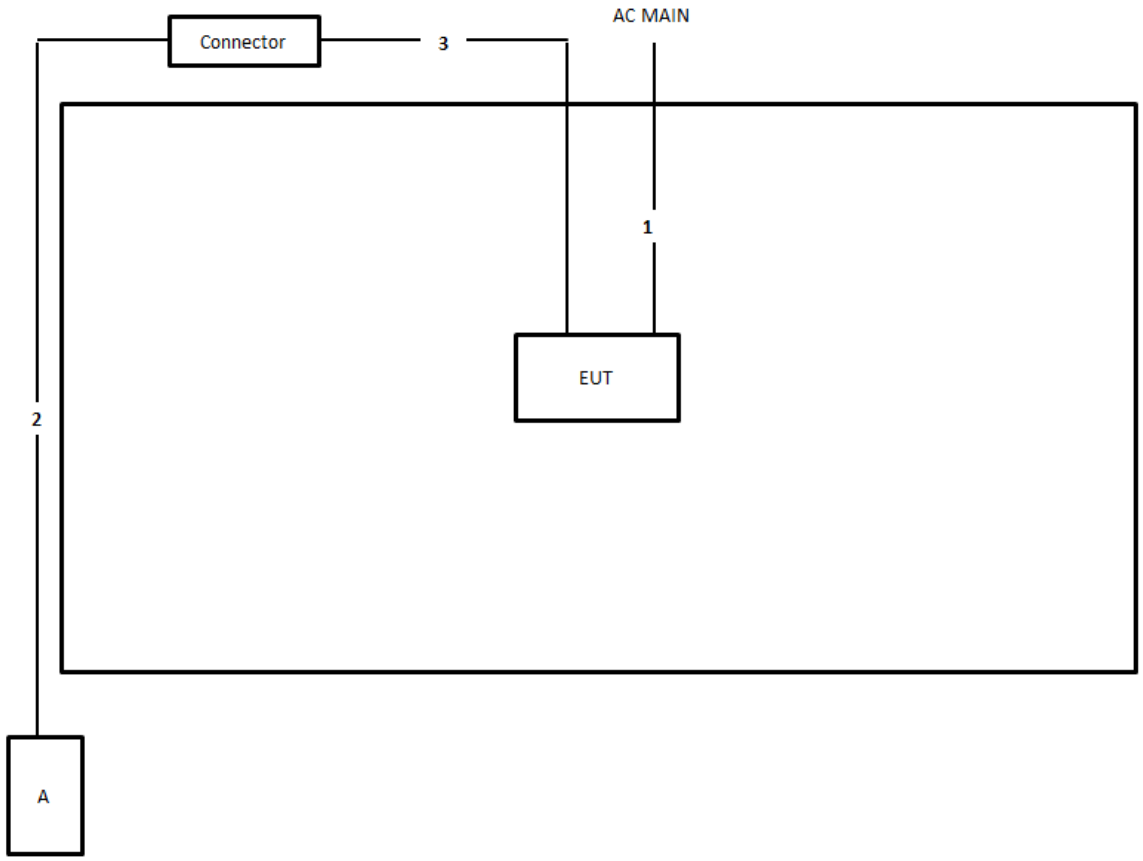
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

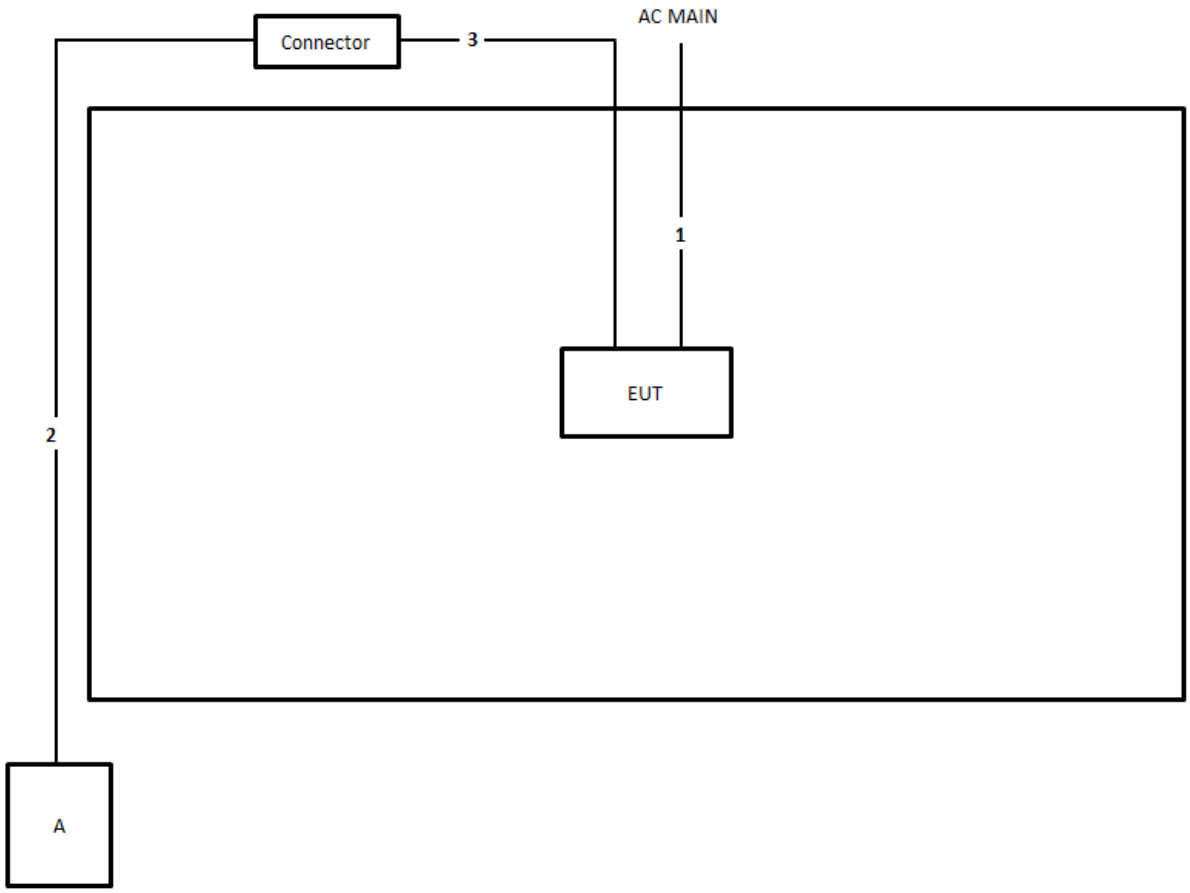
Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz

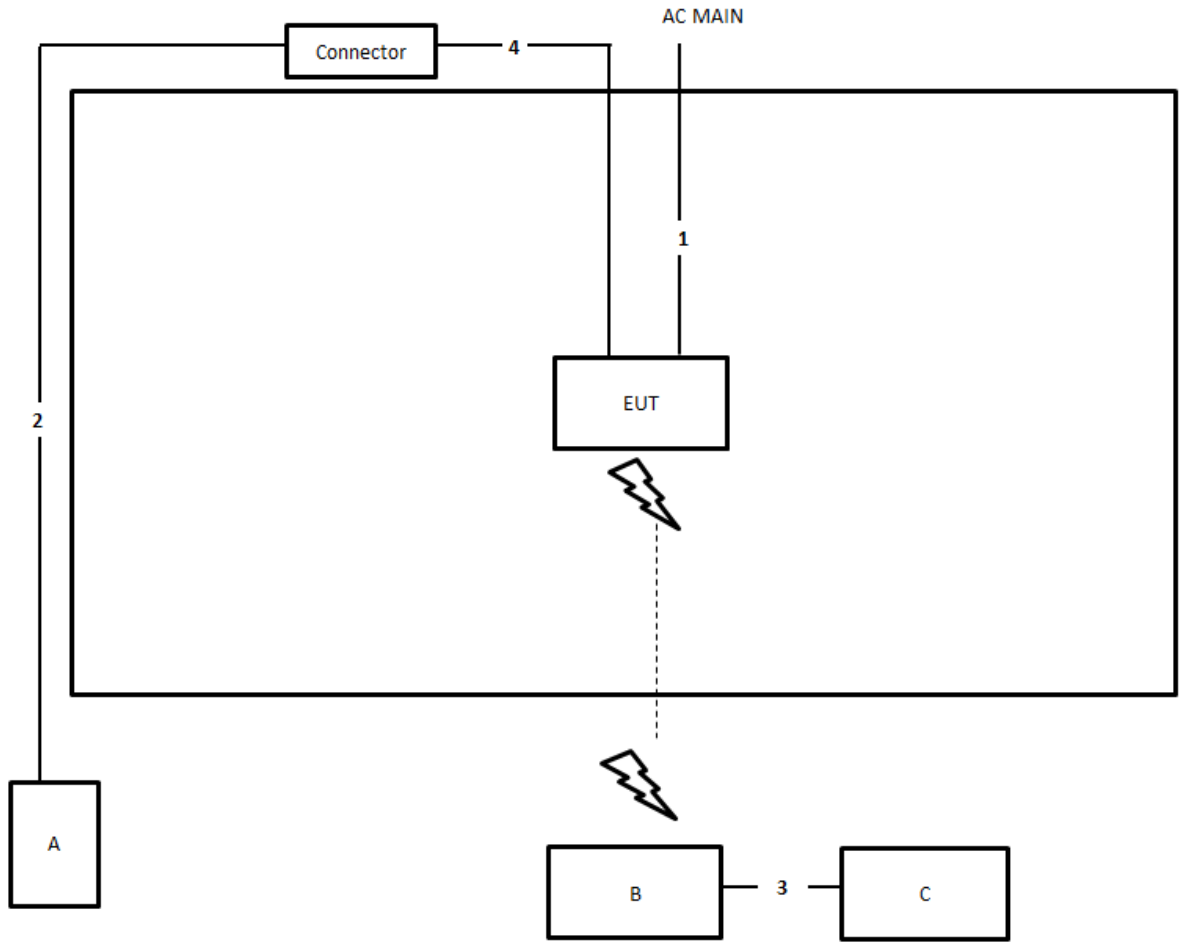
<Non-beamforming mode>



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

Test Setup Diagram - Radiated Test > 1GHz

<beamforming mode>



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

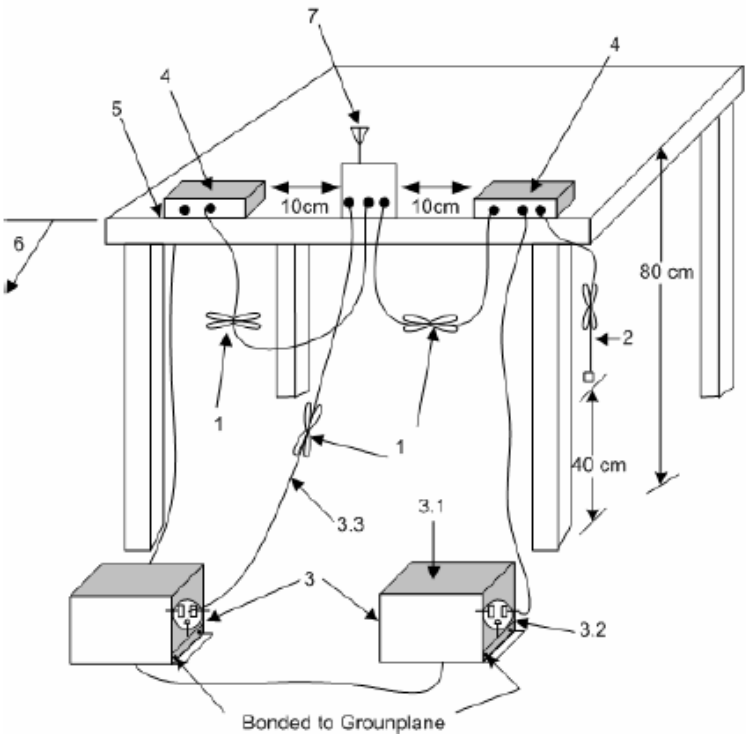
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

3.2.2 Measuring Instruments

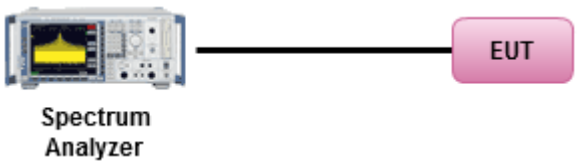
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

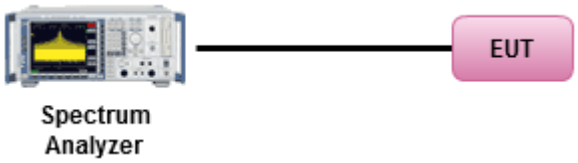
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

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

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

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

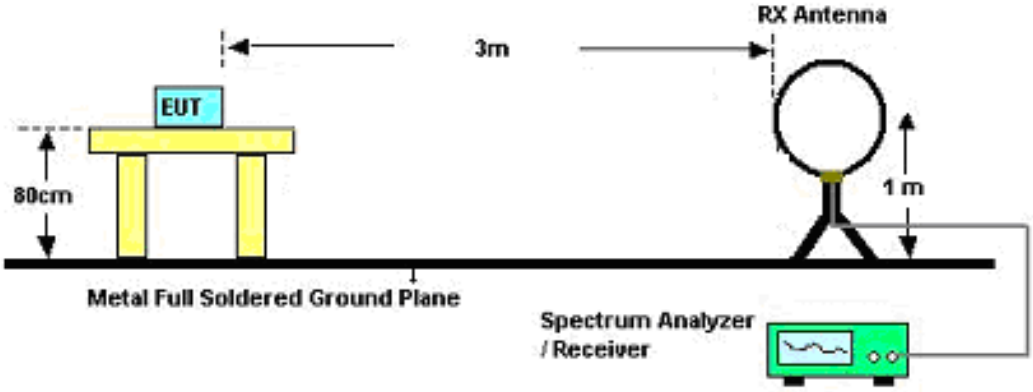
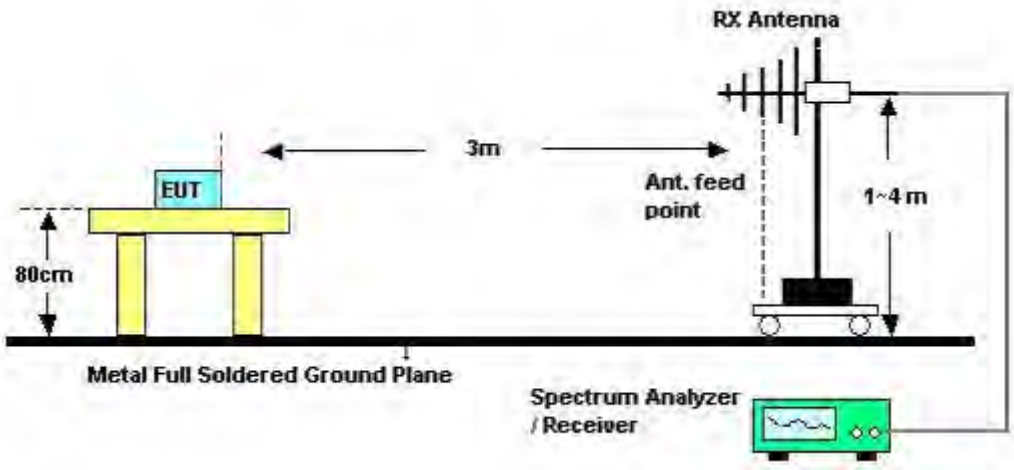
3.5.2 Measuring Instruments

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

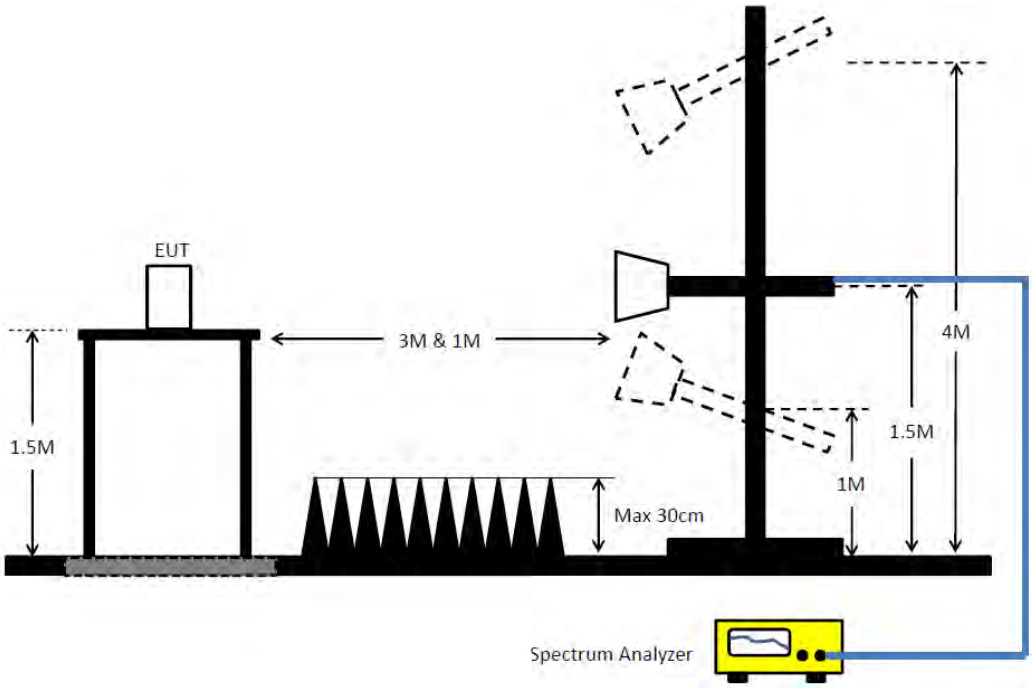
3.5.3 Test Procedures

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

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

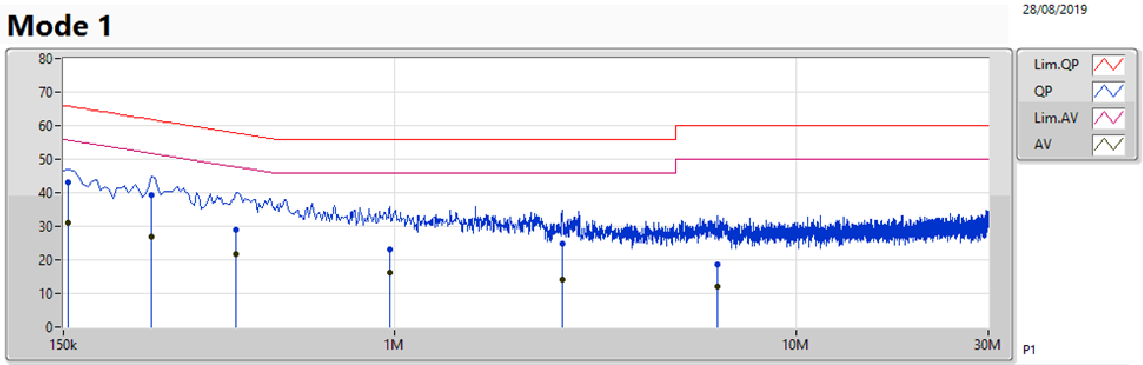
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Aug. 04, 2018	Aug. 03, 2019	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & Woken	CBL6112D N-6-06-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH06-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 17, 2019	Jul. 16, 2020	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH06-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH06-CB)
RF Cable-low	HUBER+SUHNER	RG402	Low Cable-05+24	30MHz~1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	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. 08, 2018	Oct. 07, 2019	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. 08, 2018	Oct. 07, 2019	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)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

NCR means Non-Calibration required.

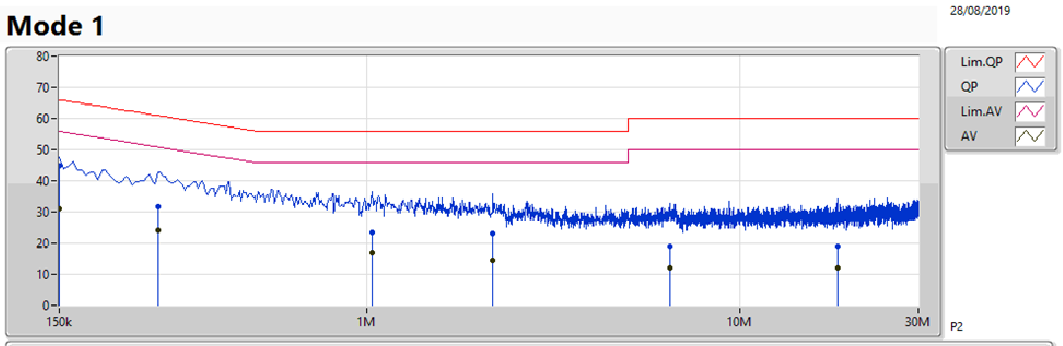
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	CTX		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	43.11	65.75	-22.64	9.90	Line	-	33.21	0.05	0.06	9.79
AV	154.5k	30.94	55.75	-24.81	9.90	Line	-	21.04	0.05	0.06	9.79
QP	249k	39.26	61.79	-22.53	9.92	Line	"Worst"	29.34	0.06	0.06	9.80
AV	249k	26.76	51.79	-25.03	9.92	Line	-	16.84	0.06	0.06	9.80
QP	402k	28.82	57.82	-29.00	9.93	Line	-	18.89	0.06	0.06	9.81
AV	402k	21.86	47.82	-25.96	9.93	Line	-	11.93	0.06	0.06	9.81
QP	973.5k	22.94	56.00	-33.06	9.98	Line	-	12.96	0.07	0.09	9.82
AV	973.5k	16.15	46.00	-29.85	9.98	Line	-	6.17	0.07	0.09	9.82
QP	2.607M	24.75	56.00	-31.25	10.06	Line	-	14.69	0.10	0.14	9.82
AV	2.607M	14.26	46.00	-31.74	10.06	Line	-	4.20	0.10	0.14	9.82
QP	6.36M	18.79	60.00	-41.21	10.24	Line	-	8.55	0.17	0.20	9.87
AV	6.36M	12.13	50.00	-37.87	10.24	Line	-	1.89	0.17	0.20	9.87

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	CTX		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	44.70	66.00	-21.30	9.89	Neutral	"Worst"	34.81	0.04	0.06	9.79
AV	150k	30.99	56.00	-25.01	9.89	Neutral	-	21.10	0.04	0.06	9.79
QP	276k	31.83	60.93	-29.10	9.90	Neutral	-	21.93	0.04	0.06	9.80
AV	276k	24.28	50.93	-26.65	9.90	Neutral	-	14.38	0.04	0.06	9.80
QP	1.032M	23.44	56.00	-32.56	9.97	Neutral	-	13.47	0.06	0.09	9.82
AV	1.032M	16.77	46.00	-29.23	9.97	Neutral	-	6.80	0.06	0.09	9.82
QP	2.171M	22.96	56.00	-33.04	10.03	Neutral	-	12.93	0.07	0.13	9.83
AV	2.171M	14.49	46.00	-31.51	10.03	Neutral	-	4.46	0.07	0.13	9.83
QP	6.464M	18.88	60.00	-41.12	10.22	Neutral	-	8.66	0.15	0.20	9.87
AV	6.464M	12.15	50.00	-37.85	10.22	Neutral	-	1.93	0.15	0.20	9.87
QP	18.2M	18.85	60.00	-41.15	10.45	Neutral	-	8.40	0.24	0.24	9.97
AV	18.2M	12.12	50.00	-37.88	10.45	Neutral	-	1.67	0.24	0.24	9.97

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)_4TX	21.775M	16.667M	16M7D1D	21.325M	16.492M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.8M	17.766M	17M8D1D	21.45M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.25M	36.282M	36M3D1D	39.65M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	82M	75.862M	75M9D1D	81.3M	75.662M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.725M	19.04M	19M0D1D	21.375M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	40M	37.631M	37M6D1D	39.8M	37.431M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.1M	77.161M	77M2D1D	81.6M	76.762M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.725M	17.791M	17M8D1D	21.45M	17.741M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.2M	36.282M	36M3D1D	39.65M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.9M	75.662M	75M7D1D	81.6M	75.562M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.775M	19.015M	19M0D1D	21.45M	18.916M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.531M	37M5D1D	39.55M	36.132M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.2M	77.261M	77M3D1D	81.3M	76.762M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.35M	16.692M	16M7D1D	16.275M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	17.575M	17.841M	17M8D1D	17.5M	17.741M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.35M	36.382M	36M4D1D	35.45M	36.232M
802.11ac VHT80_Nss1,(MCS0)_4TX	75.2M	75.862M	75M9D1D	73.8M	75.462M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.95M	19.04M	19M0D1D	18.425M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.35M	37.731M	37M7D1D	36.45M	37.531M
802.11ax HEW80_Nss1,(MCS0)_4TX	75.4M	77.161M	77M2D1D	75.1M	76.862M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.6M	17.816M	17M8D1D	17.525M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.35M	36.332M	36M3D1D	35.45M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	75.2M	75.662M	75M7D1D	73.8M	75.662M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.95M	19.04M	19M0D1D	18.55M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.5M	37.681M	37M7D1D	36.45M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	77.6M	77.161M	77M2D1D	75.1M	76.862M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.375M	16.542M	21.775M	16.617M	21.6M	16.517M	21.6M	16.592M
5200MHz	Pass	Inf	21.4M	16.492M	21.675M	16.567M	21.575M	16.567M	21.45M	16.592M
5240MHz	Pass	Inf	21.475M	16.542M	21.625M	16.667M	21.55M	16.517M	21.325M	16.517M
5745MHz	Pass	500k	16.275M	16.592M	16.3M	16.617M	16.325M	16.567M	16.3M	16.642M
5785MHz	Pass	500k	16.3M	16.642M	16.3M	16.642M	16.275M	16.642M	16.35M	16.617M
5825MHz	Pass	500k	16.3M	16.642M	16.3M	16.667M	16.3M	16.617M	16.3M	16.692M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.7M	17.741M	21.55M	17.741M	21.525M	17.766M	21.55M	17.766M
5200MHz	Pass	Inf	21.75M	17.766M	21.5M	17.741M	21.45M	17.716M	21.575M	17.741M
5240MHz	Pass	Inf	21.8M	17.741M	21.65M	17.766M	21.525M	17.716M	21.525M	17.741M
5745MHz	Pass	500k	17.55M	17.766M	17.575M	17.766M	17.55M	17.741M	17.525M	17.841M
5785MHz	Pass	500k	17.525M	17.791M	17.55M	17.766M	17.5M	17.766M	17.575M	17.841M
5825MHz	Pass	500k	17.55M	17.766M	17.525M	17.741M	17.525M	17.791M	17.575M	17.816M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.25M	36.282M	39.7M	36.232M	39.95M	36.282M	39.65M	36.182M
5230MHz	Pass	Inf	40.15M	36.232M	39.9M	36.232M	39.85M	36.282M	39.9M	36.182M
5755MHz	Pass	500k	36M	36.232M	36.3M	36.232M	36.3M	36.332M	36.3M	36.232M
5795MHz	Pass	500k	35.45M	36.232M	36.35M	36.332M	36.05M	36.282M	36.3M	36.382M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82M	75.662M	81.3M	75.862M	81.3M	75.762M	81.8M	75.762M
5775MHz	Pass	500k	73.8M	75.462M	75.2M	75.862M	75M	75.762M	75.1M	75.562M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.55M	18.991M	21.5M	18.941M	21.55M	19.015M	21.675M	18.966M
5200MHz	Pass	Inf	21.525M	18.966M	21.5M	18.966M	21.6M	18.966M	21.725M	18.966M
5240MHz	Pass	Inf	21.675M	18.941M	21.375M	18.941M	21.65M	19.04M	21.675M	19.015M
5745MHz	Pass	500k	18.75M	18.941M	18.95M	18.991M	18.95M	18.966M	18.85M	18.991M
5785MHz	Pass	500k	18.775M	18.941M	18.925M	18.991M	18.65M	18.966M	18.85M	18.966M
5825MHz	Pass	500k	18.425M	18.941M	18.925M	19.04M	18.725M	19.04M	18.825M	19.015M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.8M	37.531M	39.95M	37.431M	39.85M	37.481M	39.95M	37.631M
5230MHz	Pass	Inf	40M	37.581M	39.95M	37.531M	39.9M	37.531M	40M	37.631M
5755MHz	Pass	500k	36.45M	37.631M	36.7M	37.531M	37.2M	37.581M	37.35M	37.681M
5795MHz	Pass	500k	37.25M	37.531M	36.8M	37.631M	37.25M	37.531M	37M	37.731M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.1M	77.161M	82M	76.862M	81.9M	76.862M	81.6M	76.762M
5775MHz	Pass	500k	75.2M	77.161M	75.2M	77.061M	75.4M	76.862M	75.1M	77.061M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.725M	17.766M	21.575M	17.766M	21.45M	17.766M	21.675M	17.791M
5200MHz	Pass	Inf	21.725M	17.741M	21.625M	17.741M	21.5M	17.766M	21.7M	17.766M
5240MHz	Pass	Inf	21.725M	17.791M	21.625M	17.791M	21.475M	17.741M	21.65M	17.791M
5745MHz	Pass	500k	17.55M	17.791M	17.55M	17.716M	17.525M	17.741M	17.575M	17.766M
5785MHz	Pass	500k	17.55M	17.716M	17.575M	17.766M	17.575M	17.716M	17.575M	17.816M
5825MHz	Pass	500k	17.55M	17.791M	17.6M	17.766M	17.525M	17.741M	17.55M	17.766M

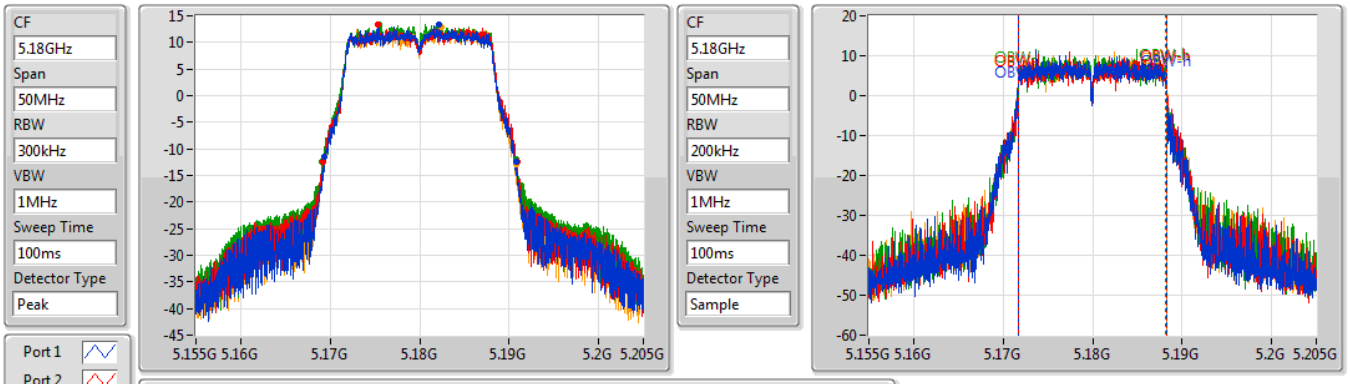
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.1M	36.282M	39.65M	36.182M	40M	36.232M	39.65M	36.282M
5230MHz	Pass	Inf	40.2M	36.232M	39.8M	36.282M	39.95M	36.282M	39.85M	36.232M
5755MHz	Pass	500k	36.05M	36.182M	36.3M	36.332M	36.35M	36.182M	36.05M	36.282M
5795MHz	Pass	500k	35.45M	36.232M	36.35M	36.232M	36.3M	36.182M	35.75M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.9M	75.662M	81.6M	75.662M	81.7M	75.562M	81.7M	75.662M
5775MHz	Pass	500k	73.8M	75.662M	75.2M	75.662M	75.1M	75.662M	75.2M	75.662M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	18.966M	21.45M	18.916M	21.775M	18.941M	21.725M	18.966M
5200MHz	Pass	Inf	21.65M	18.966M	21.5M	18.966M	21.625M	18.991M	21.7M	19.015M
5240MHz	Pass	Inf	21.725M	18.991M	21.6M	18.966M	21.65M	18.966M	21.675M	18.966M
5745MHz	Pass	500k	18.95M	18.941M	18.95M	19.04M	18.925M	19.015M	18.875M	19.015M
5785MHz	Pass	500k	18.725M	18.941M	18.925M	18.991M	18.85M	19.015M	18.75M	19.015M
5825MHz	Pass	500k	18.55M	18.941M	18.675M	18.966M	18.7M	18.941M	18.875M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.1M	37.431M	39.95M	37.531M	39.85M	37.431M	40M	37.481M
5230MHz	Pass	Inf	40.2M	36.132M	39.55M	36.232M	40.2M	36.182M	39.6M	36.182M
5755MHz	Pass	500k	37.25M	37.581M	36.65M	37.581M	37.15M	37.481M	37.15M	37.681M
5795MHz	Pass	500k	37.25M	37.581M	36.45M	37.581M	37.5M	37.631M	37.1M	37.581M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.1M	76.862M	82.2M	76.962M	81.3M	76.762M	81.9M	77.261M
5775MHz	Pass	500k	75.3M	77.161M	77.6M	77.061M	75.3M	76.862M	75.1M	76.862M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

09/05/2019

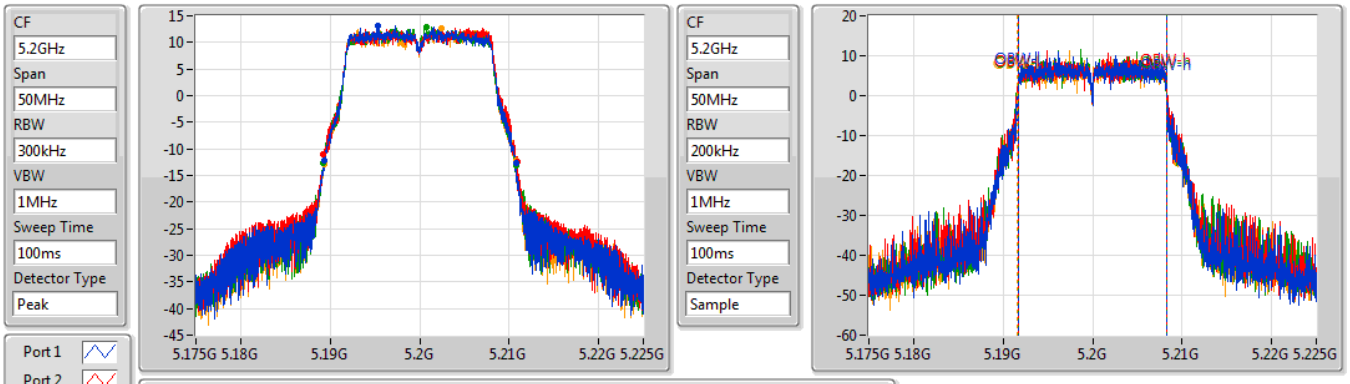


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.375M	5.16935G	5.190725G	16.542M	5.171679G	5.188221G	Inf	1
21.775M	5.169175G	5.19095G	16.617M	5.171679G	5.188296G	Inf	2
21.6M	5.169125G	5.190725G	16.517M	5.171679G	5.188196G	Inf	3
21.6M	5.169225G	5.190825G	16.592M	5.171654G	5.188246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

09/05/2019

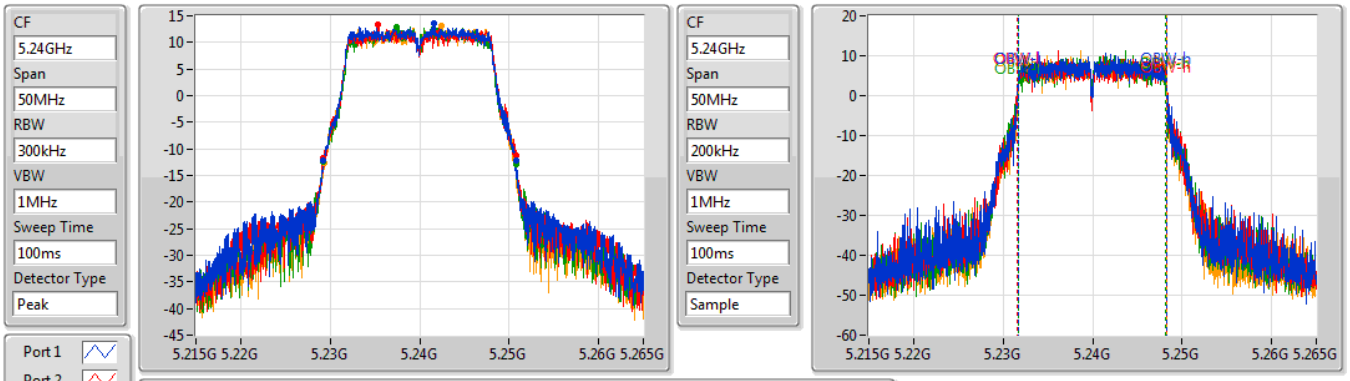


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.4M	5.189325G	5.210725G	16.492M	5.191729G	5.208221G	Inf	1
21.675M	5.189275G	5.21095G	16.567M	5.191679G	5.208246G	Inf	2
21.575M	5.1892G	5.210775G	16.567M	5.191679G	5.208246G	Inf	3
21.45M	5.1893G	5.21075G	16.592M	5.191629G	5.208221G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

09/05/2019

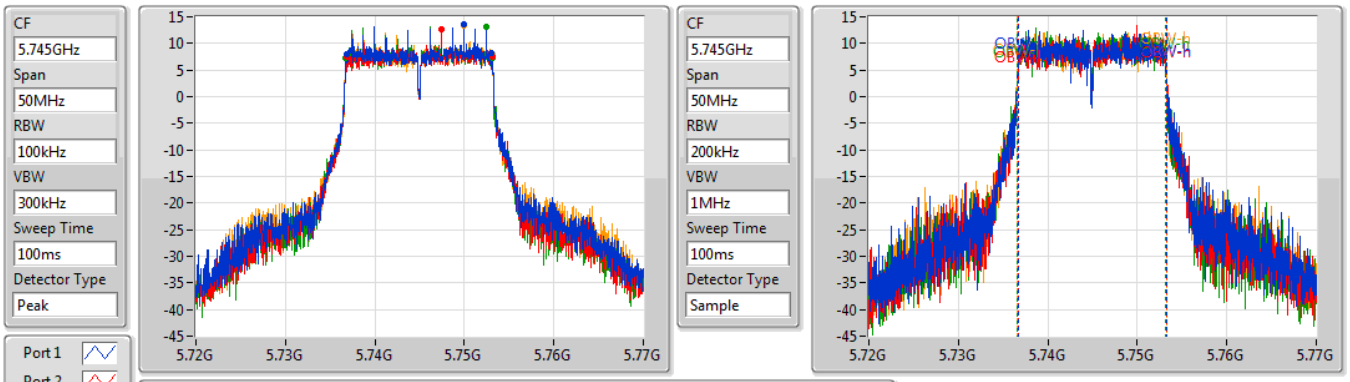


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.475M	5.22925G	5.250725G	16.542M	5.231679G	5.248221G	Inf	1
21.625M	5.2292G	5.250825G	16.667M	5.231629G	5.248296G	Inf	2
21.55M	5.2292G	5.25075G	16.517M	5.231654G	5.248171G	Inf	3
21.325M	5.229325G	5.25065G	16.517M	5.231704G	5.248221G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

09/05/2019

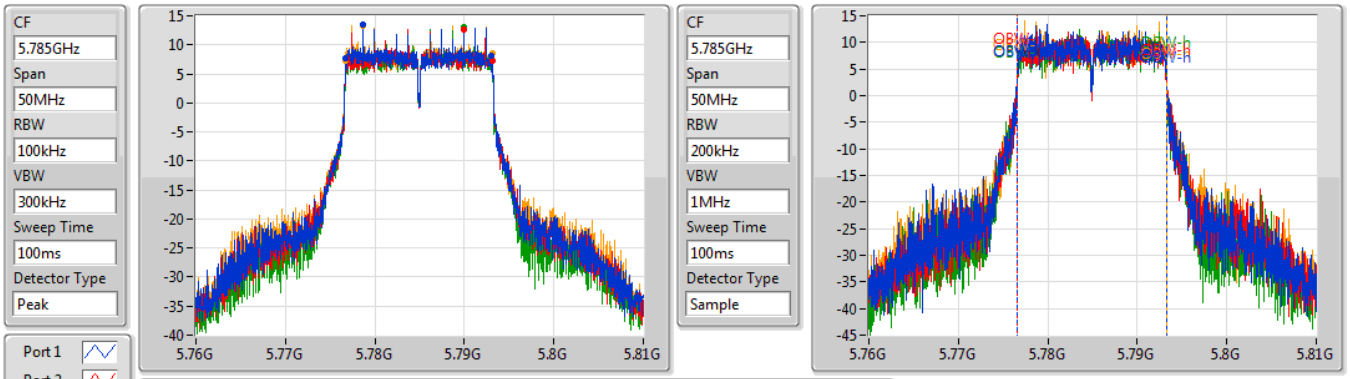


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	5.7368G	5.753075G	16.592M	5.736654G	5.753246G	500k	1
16.3M	5.7368G	5.7531G	16.617M	5.736654G	5.753271G	500k	2
16.325M	5.736775G	5.7531G	16.567M	5.736629G	5.753196G	500k	3
16.3M	5.7368G	5.7531G	16.642M	5.736604G	5.753246G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

09/05/2019

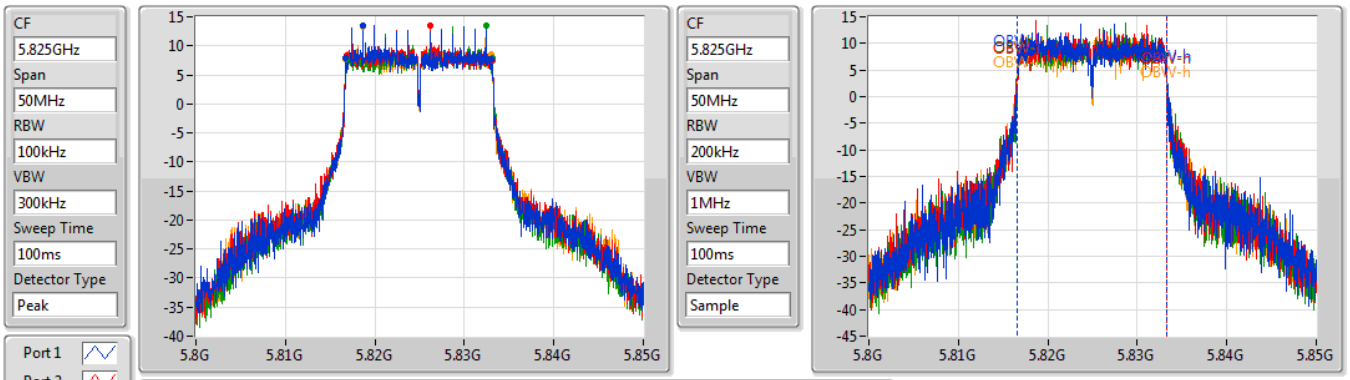


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.776775G	5.793075G	16.642M	5.776604G	5.793246G	500k	1
16.3M	5.7768G	5.7931G	16.642M	5.776629G	5.793271G	500k	2
16.275M	5.7768G	5.793075G	16.642M	5.776604G	5.793246G	500k	3
16.35M	5.77675G	5.7931G	16.617M	5.776604G	5.793221G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

09/05/2019

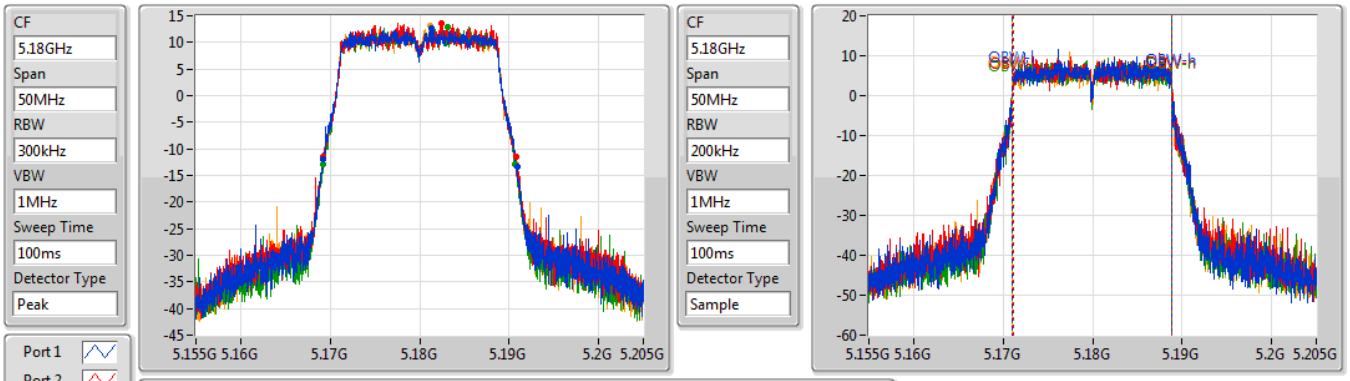


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.816775G	5.833075G	16.642M	5.816629G	5.833271G	500k	1
16.3M	5.8168G	5.8331G	16.667M	5.816579G	5.833246G	500k	2
16.3M	5.8168G	5.8331G	16.617M	5.816629G	5.833246G	500k	3
16.3M	5.816775G	5.833075G	16.692M	5.816579G	5.833271G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

10/05/2019

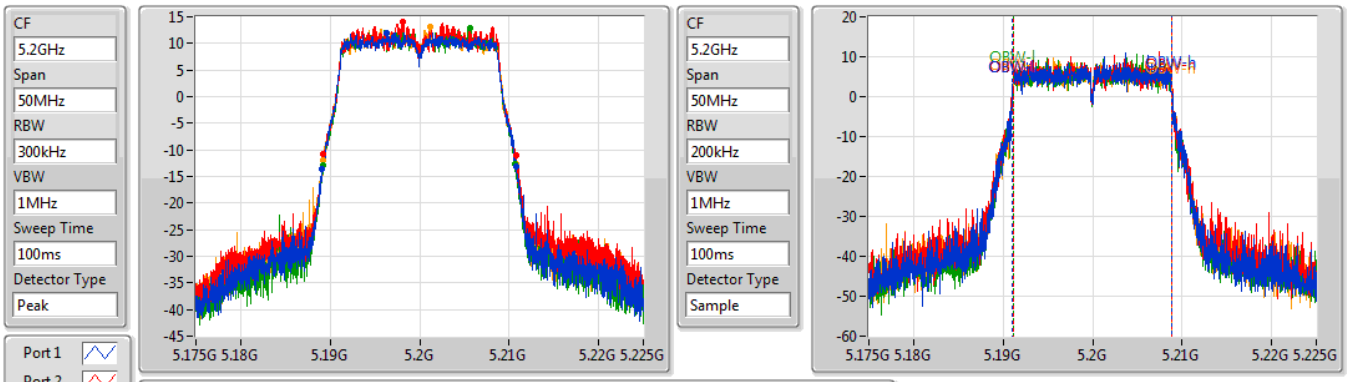


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.169175G	5.190875G	17.741M	5.171079G	5.188821G	Inf	1
21.55M	5.1692G	5.19075G	17.741M	5.171104G	5.188846G	Inf	2
21.525M	5.16915G	5.190675G	17.766M	5.171054G	5.188821G	Inf	3
21.55M	5.16925G	5.1908G	17.766M	5.171054G	5.188821G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

14/05/2019

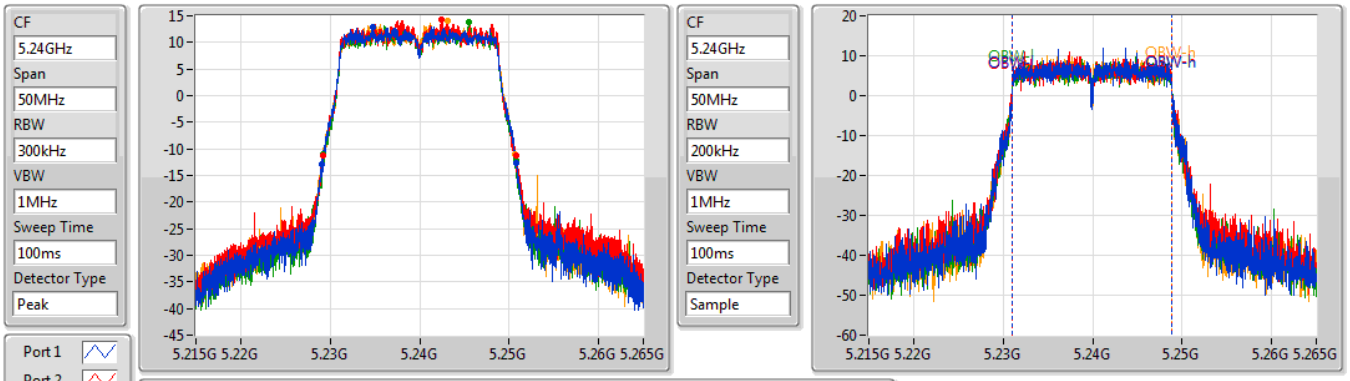


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.189075G	5.210825G	17.766M	5.191079G	5.208846G	Inf	1
21.5M	5.189275G	5.210775G	17.741M	5.191104G	5.208846G	Inf	2
21.45M	5.1892G	5.21065G	17.716M	5.191129G	5.208846G	Inf	3
21.575M	5.189225G	5.2108G	17.741M	5.191104G	5.208846G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

10/05/2019

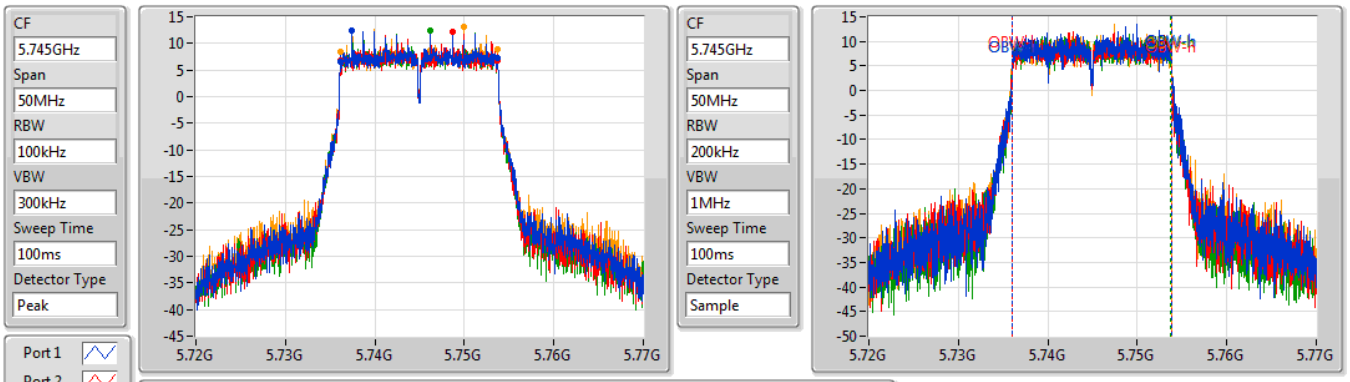


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.22905G	5.25085G	17.741M	5.231079G	5.248821G	Inf	1
21.65M	5.229175G	5.250825G	17.766M	5.231054G	5.248821G	Inf	2
21.525M	5.229225G	5.25075G	17.716M	5.231079G	5.248796G	Inf	3
21.525M	5.229175G	5.2507G	17.741M	5.231054G	5.248796G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

10/05/2019

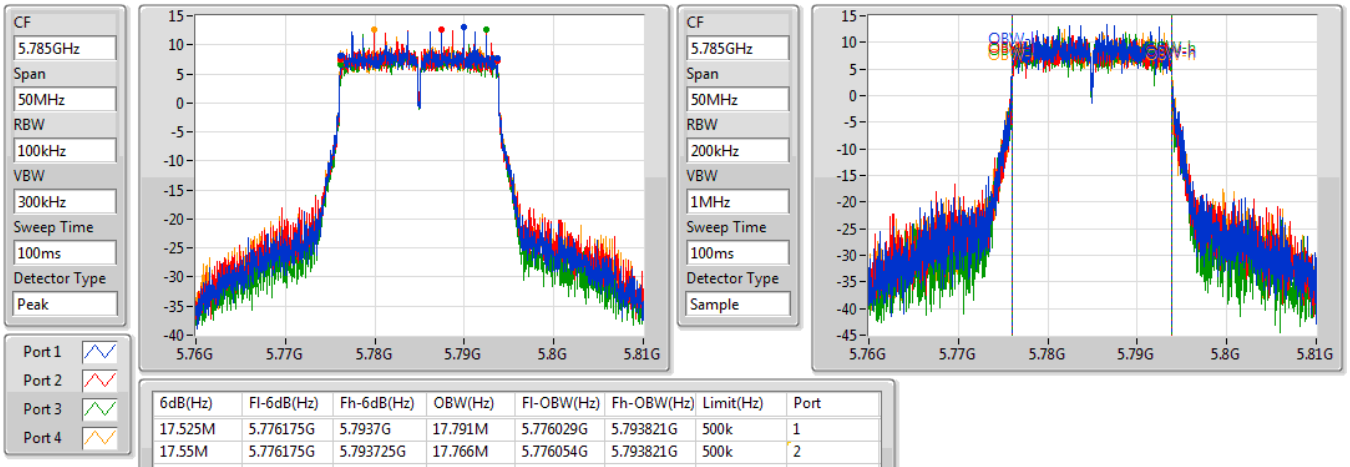


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73615G	5.7537G	17.766M	5.736054G	5.753821G	500k	1
17.575M	5.73615G	5.753725G	17.766M	5.736054G	5.753821G	500k	2
17.55M	5.736175G	5.753725G	17.741M	5.736029G	5.753771G	500k	3
17.525M	5.736175G	5.7537G	17.841M	5.736004G	5.753846G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

10/05/2019

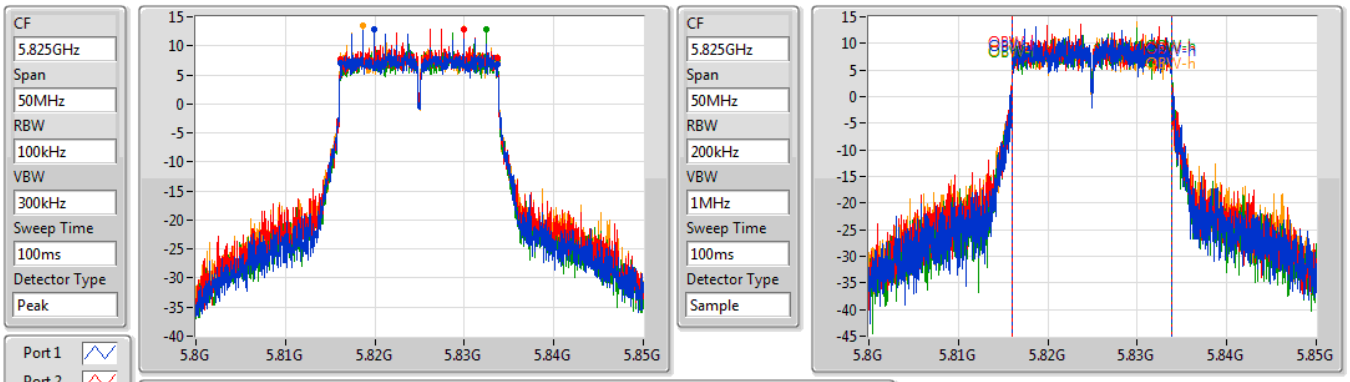


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.776175G	5.7937G	17.791M	5.776029G	5.793821G	500k	1
17.55M	5.776175G	5.793725G	17.766M	5.776054G	5.793821G	500k	2
17.5M	5.7762G	5.7937G	17.766M	5.776054G	5.793821G	500k	3
17.575M	5.776125G	5.7937G	17.841M	5.776004G	5.793846G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

10/05/2019

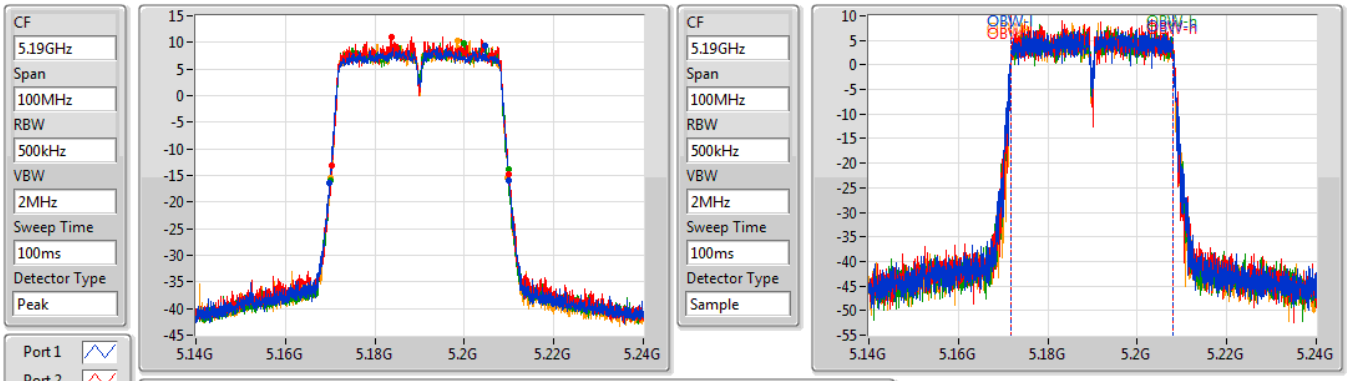


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81615G	5.8337G	17.766M	5.816054G	5.833821G	500k	1
17.525M	5.816175G	5.8337G	17.741M	5.816054G	5.833796G	500k	2
17.525M	5.816175G	5.8337G	17.791M	5.816054G	5.833846G	500k	3
17.575M	5.81615G	5.833725G	17.816M	5.816004G	5.833821G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

10/05/2019

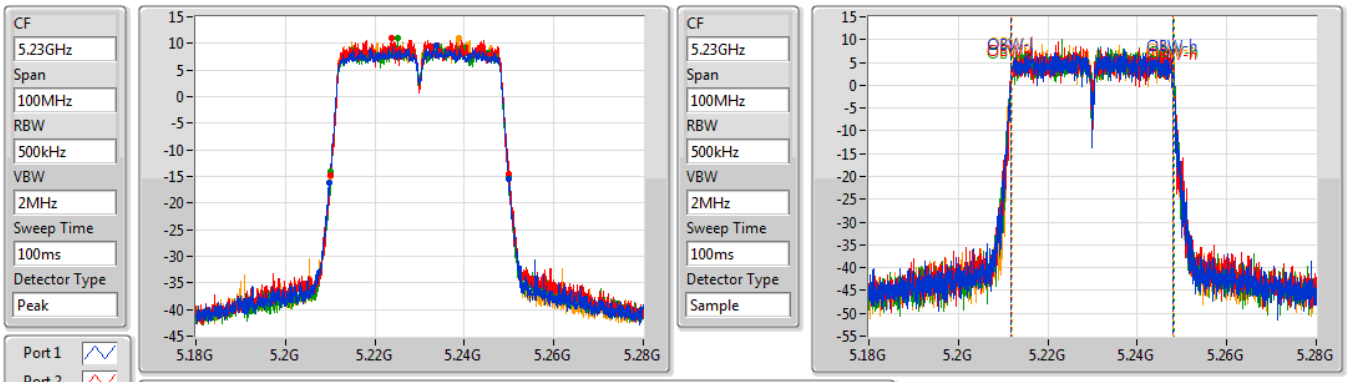


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.1698G	5.21005G	36.282M	5.171809G	5.208091G	Inf	1
39.7M	5.1703G	5.21G	36.232M	5.171859G	5.208091G	Inf	2
39.95M	5.16995G	5.2099G	36.282M	5.171809G	5.208091G	Inf	3
39.65M	5.1701G	5.20975G	36.182M	5.171859G	5.208041G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

10/05/2019

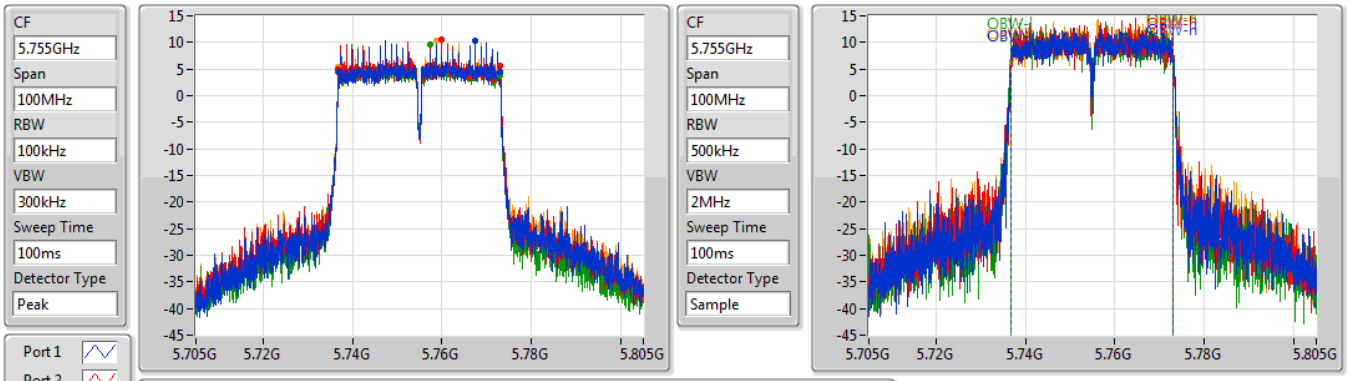


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.20985G	5.25G	36.232M	5.211809G	5.248041G	Inf	1
39.9M	5.2101G	5.25G	36.232M	5.211859G	5.248091G	Inf	2
39.85M	5.2101G	5.24995G	36.282M	5.211859G	5.248141G	Inf	3
39.9M	5.21005G	5.24995G	36.182M	5.211909G	5.248091G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

10/05/2019

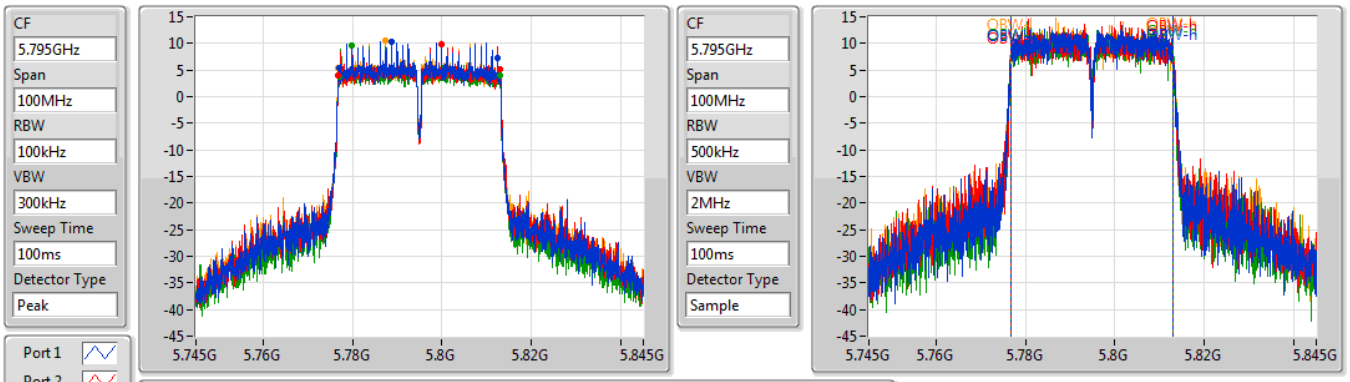


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36M	5.7371G	5.7731G	36.232M	5.736859G	5.773091G	500k	1
36.3M	5.7368G	5.7731G	36.232M	5.736809G	5.773041G	500k	2
36.3M	5.7368G	5.7731G	36.332M	5.736759G	5.773091G	500k	3
36.3M	5.7368G	5.7731G	36.232M	5.736809G	5.773041G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

10/05/2019

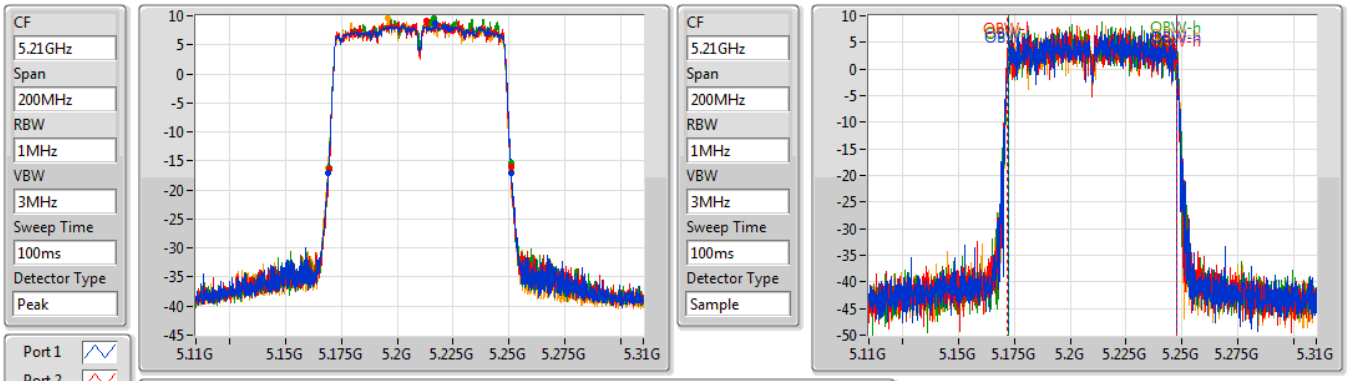


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	5.77705G	5.8125G	36.232M	5.776759G	5.812991G	500k	1
36.35M	5.77675G	5.8131G	36.332M	5.776759G	5.813091G	500k	2
36.05M	5.77705G	5.8131G	36.282M	5.776759G	5.813041G	500k	3
36.3M	5.7768G	5.8131G	36.382M	5.776659G	5.813041G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

10/05/2019

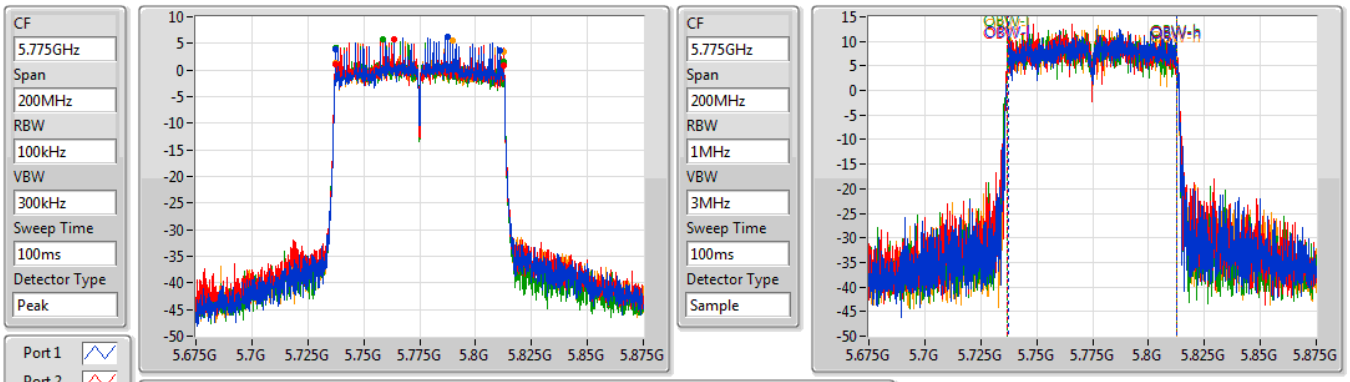


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.169G	5.251G	75.662M	5.172119G	5.247781G	Inf	1
81.3M	5.1694G	5.2507G	75.862M	5.171919G	5.247781G	Inf	2
81.3M	5.1694G	5.2507G	75.762M	5.172119G	5.247881G	Inf	3
81.8M	5.169G	5.2508G	75.762M	5.172119G	5.247881G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

10/05/2019

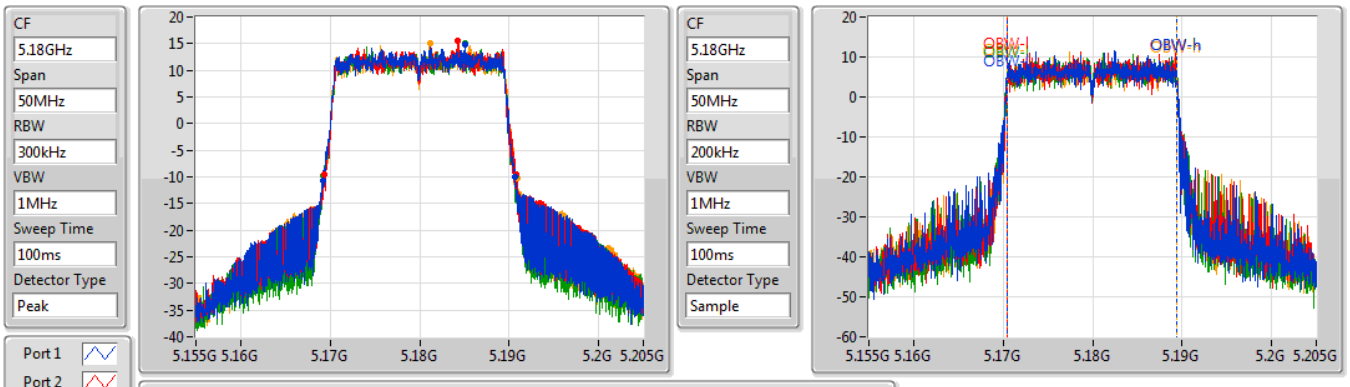


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.7374G	5.8112G	75.462M	5.737219G	5.812681G	500k	1
75.2M	5.7373G	5.8125G	75.862M	5.737019G	5.812881G	500k	2
75M	5.7374G	5.8124G	75.762M	5.737019G	5.812781G	500k	3
75.1M	5.7374G	5.8125G	75.562M	5.737119G	5.812681G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5180MHz

09/05/2019

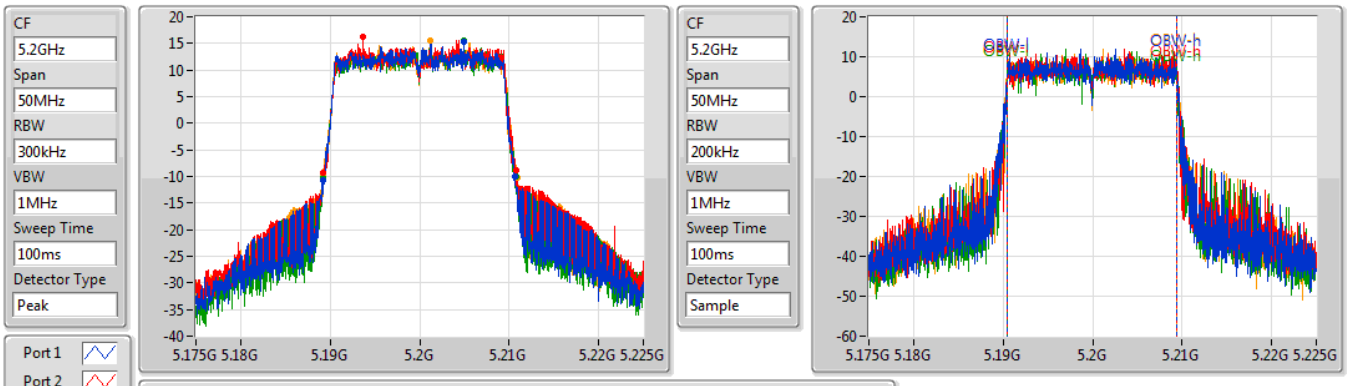


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.55M	5.16915G	5.1907G	18.991M	5.17043G	5.18942G	Inf	1
21.5M	5.1693G	5.1908G	18.941M	5.17048G	5.18942G	Inf	2
21.55M	5.169225G	5.190775G	19.015M	5.17043G	5.189445G	Inf	3
21.675M	5.169225G	5.1909G	18.966M	5.170455G	5.18942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5200MHz

09/05/2019

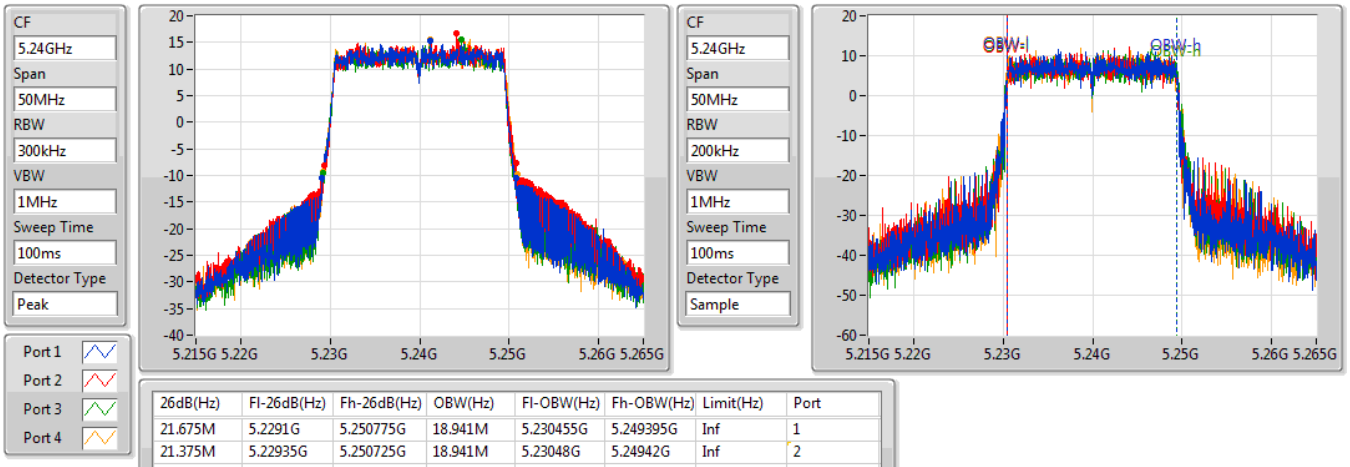


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.525M	5.18915G	5.210675G	18.966M	5.190455G	5.20942G	Inf	1
21.5M	5.189275G	5.210775G	18.966M	5.190455G	5.20942G	Inf	2
21.6M	5.189175G	5.210775G	18.966M	5.19048G	5.209445G	Inf	3
21.725M	5.1892G	5.210925G	18.966M	5.190455G	5.20942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5240MHz

09/05/2019

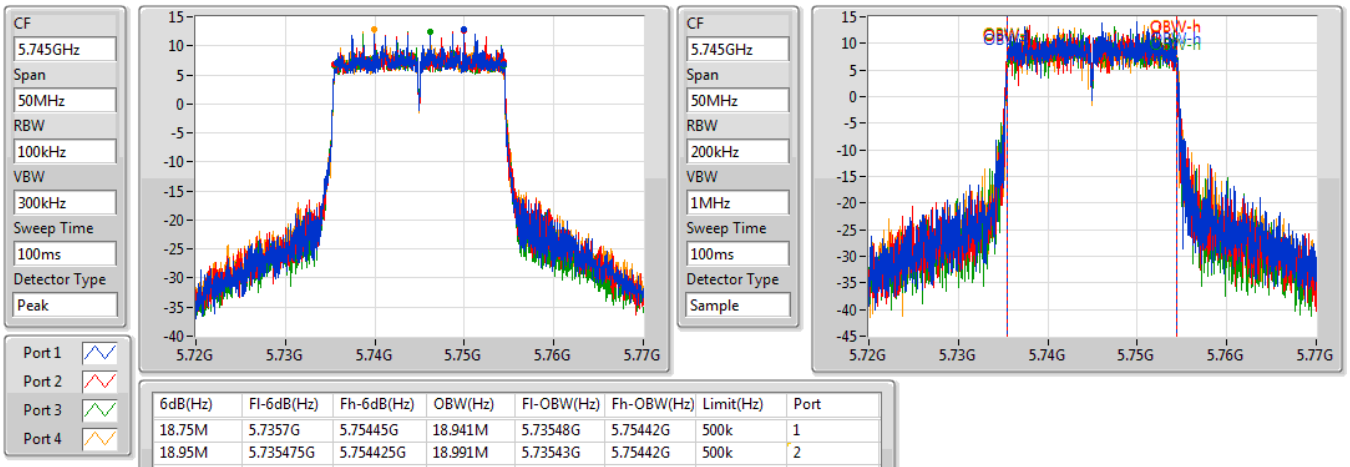


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.2291G	5.250775G	18.941M	5.230455G	5.249395G	Inf	1
21.375M	5.22935G	5.250725G	18.941M	5.23048G	5.24942G	Inf	2
21.65M	5.229175G	5.250825G	19.04M	5.23043G	5.24947G	Inf	3
21.675M	5.2292G	5.250875G	19.015M	5.230405G	5.24942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5745MHz

09/05/2019

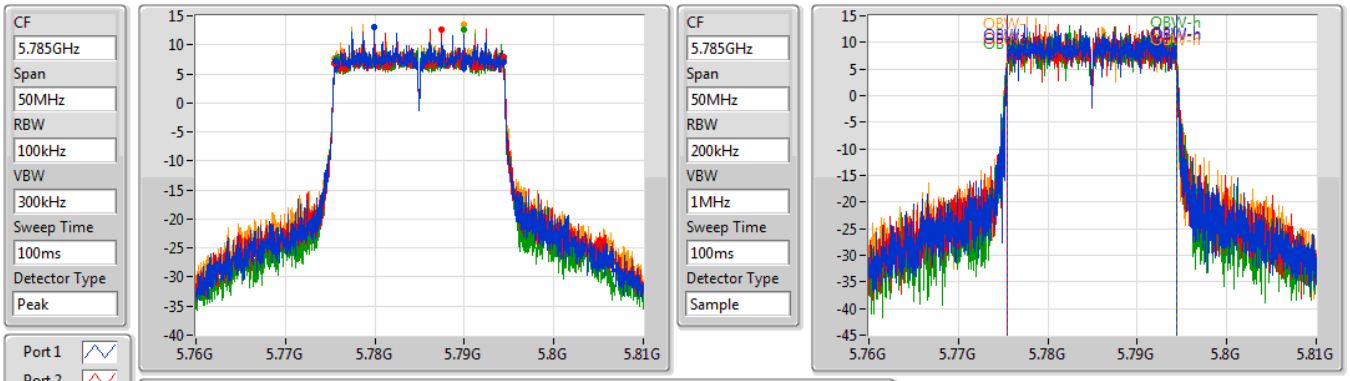


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.75M	5.7357G	5.75445G	18.941M	5.73548G	5.75442G	500k	1
18.95M	5.735475G	5.754425G	18.991M	5.73543G	5.75442G	500k	2
18.95M	5.7355G	5.75445G	18.966M	5.735455G	5.75442G	500k	3
18.85M	5.73555G	5.7544G	18.991M	5.73543G	5.75442G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

09/05/2019

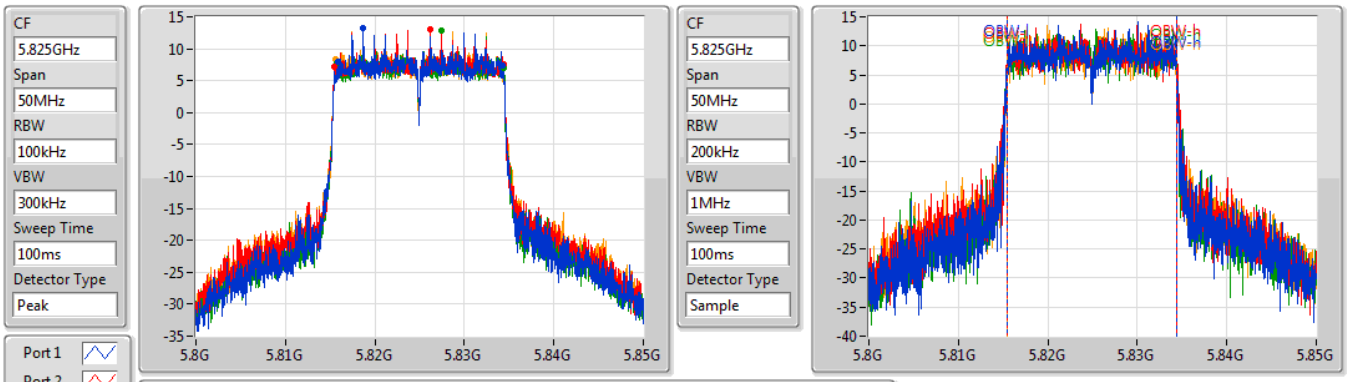


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.775M	5.775575G	5.79435G	18.941M	5.775455G	5.794395G	500k	1
18.925M	5.775475G	5.7944G	18.991M	5.77543G	5.79442G	500k	2
18.65M	5.775725G	5.794375G	18.966M	5.77543G	5.794395G	500k	3
18.85M	5.775525G	5.794375G	18.966M	5.77543G	5.794395G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

09/05/2019

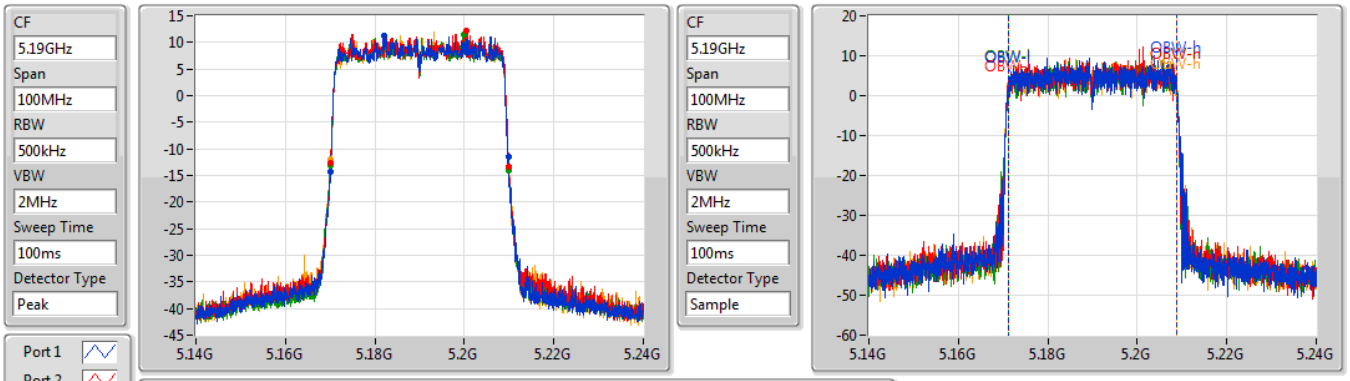


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.425M	5.815825G	5.83425G	18.941M	5.81543G	5.83437G	500k	1
18.925M	5.8155G	5.834425G	19.04M	5.815405G	5.834445G	500k	2
18.725M	5.815725G	5.83445G	19.04M	5.815405G	5.834445G	500k	3
18.825M	5.81555G	5.834375G	19.015M	5.815405G	5.83442G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5190MHz

09/05/2019

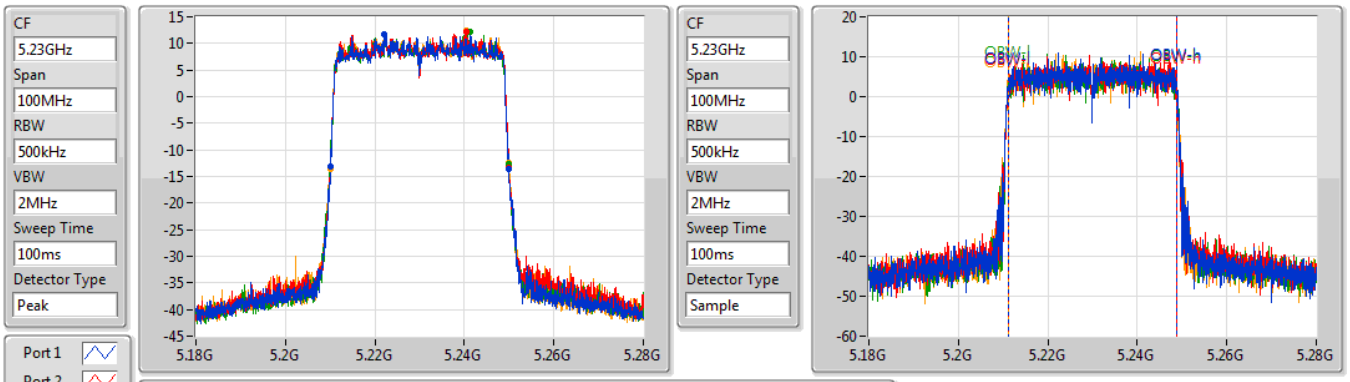


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.8M	5.17005G	5.20985G	37.531M	5.171209G	5.208741G	Inf	1
39.95M	5.17005G	5.21G	37.431M	5.171259G	5.208691G	Inf	2
39.85M	5.17G	5.20985G	37.481M	5.171259G	5.208741G	Inf	3
39.95M	5.17005G	5.21G	37.631M	5.171109G	5.208741G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

09/05/2019

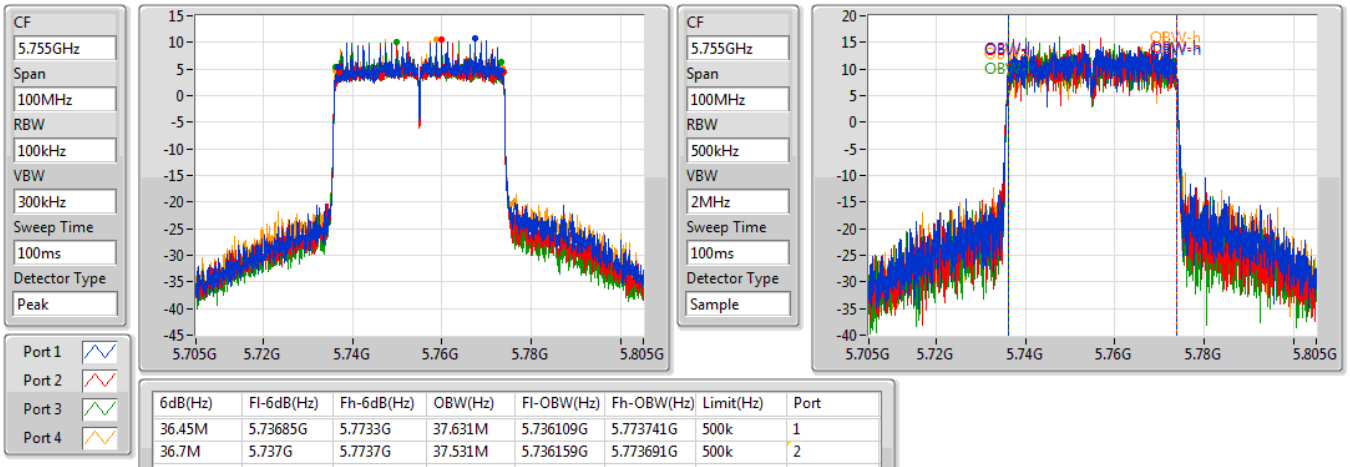


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40M	5.21005G	5.25005G	37.581M	5.211159G	5.248741G	Inf	1
39.95M	5.21005G	5.25G	37.531M	5.211209G	5.248741G	Inf	2
39.9M	5.20995G	5.24985G	37.531M	5.211159G	5.248691G	Inf	3
40M	5.20995G	5.24995G	37.631M	5.211059G	5.248691G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

09/05/2019

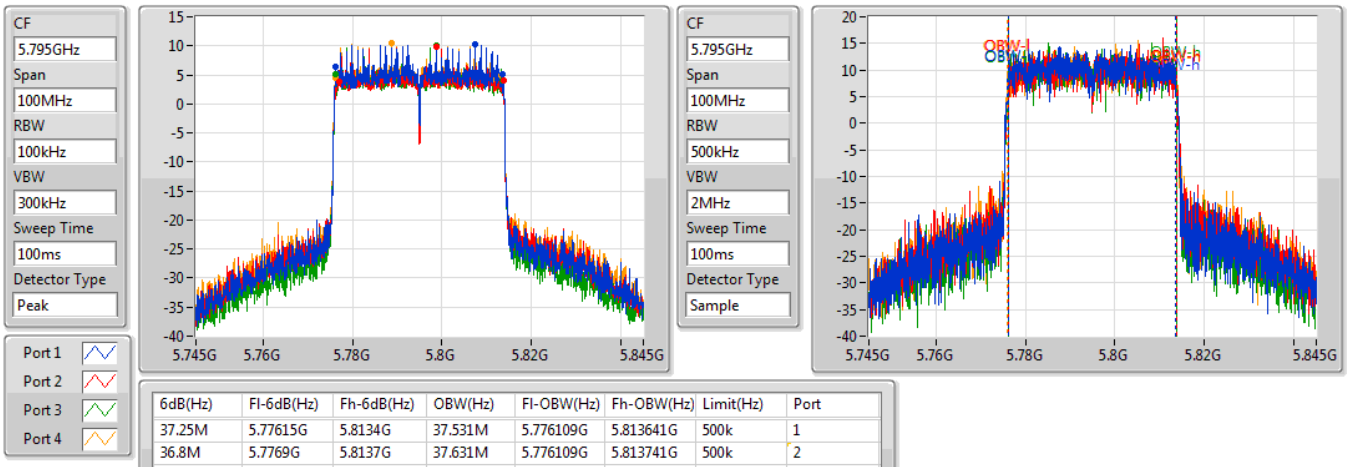


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	5.73685G	5.7733G	37.631M	5.736109G	5.773741G	500k	1
36.7M	5.737G	5.7737G	37.531M	5.736159G	5.773691G	500k	2
37.2M	5.73615G	5.77335G	37.581M	5.736159G	5.773741G	500k	3
37.35M	5.7361G	5.77345G	37.681M	5.736059G	5.773741G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5795MHz

09/05/2019

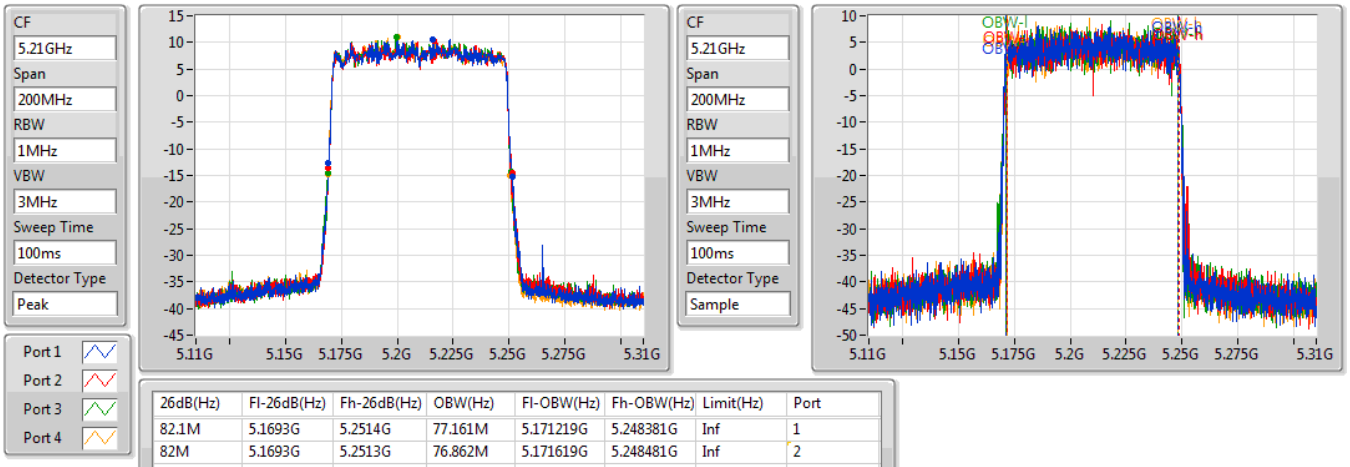


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	5.77615G	5.8134G	37.531M	5.776109G	5.813641G	500k	1
36.8M	5.7769G	5.8137G	37.631M	5.776109G	5.813741G	500k	2
37.25M	5.77615G	5.8134G	37.531M	5.776209G	5.813741G	500k	3
37M	5.7763G	5.8133G	37.731M	5.776009G	5.813741G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5210MHz

09/05/2019

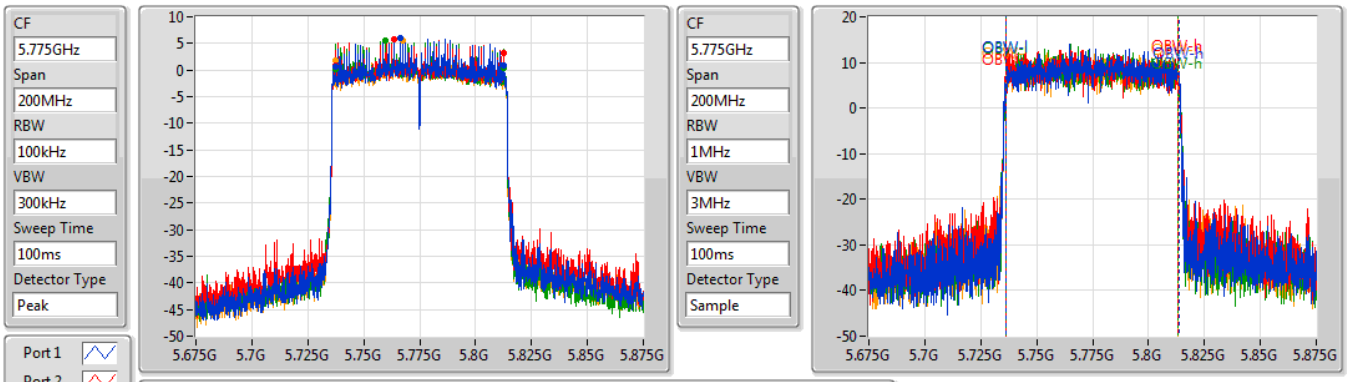


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.1693G	5.2514G	77.161M	5.171219G	5.248381G	Inf	1
82M	5.1693G	5.2513G	76.862M	5.171619G	5.248481G	Inf	2
81.9M	5.1689G	5.2508G	76.862M	5.171519G	5.248381G	Inf	3
81.6M	5.169G	5.2506G	76.762M	5.171619G	5.248381G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

09/05/2019

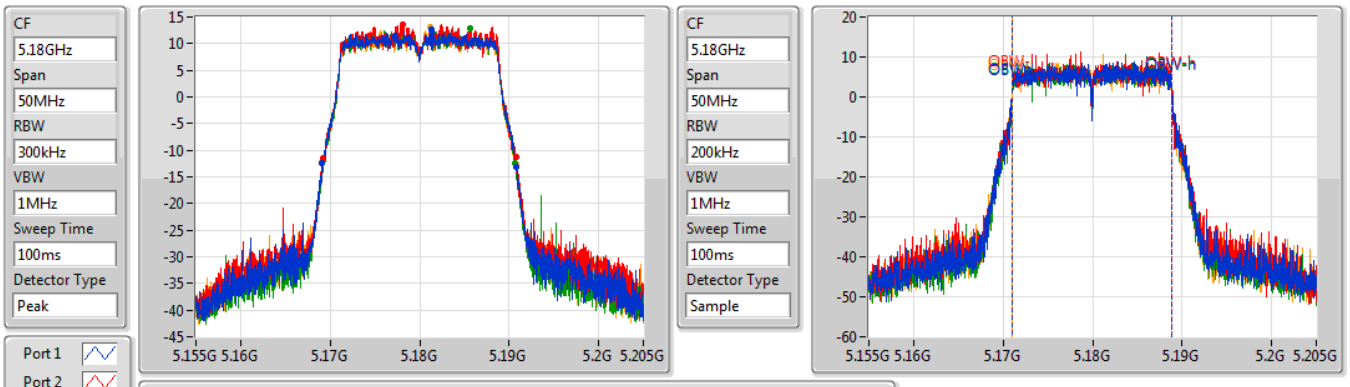


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.2M	5.7374G	5.8126G	77.161M	5.736319G	5.813481G	500k	1
75.2M	5.7373G	5.8125G	77.061M	5.736319G	5.813381G	500k	2
75.4M	5.7372G	5.8126G	76.862M	5.736419G	5.813281G	500k	3
75.1M	5.7374G	5.8125G	77.061M	5.736319G	5.813381G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

10/05/2019

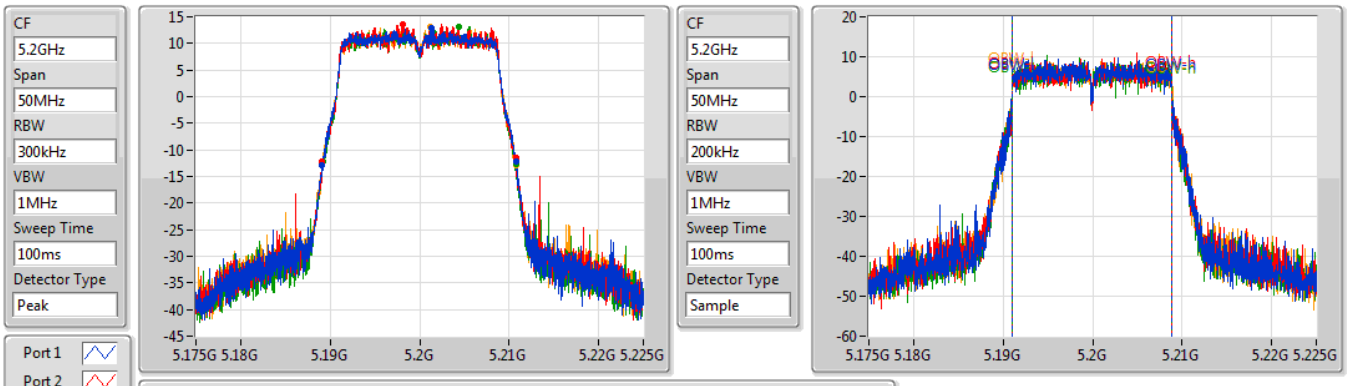


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.169125G	5.19085G	17.766M	5.171054G	5.188821G	Inf	1
21.575M	5.1692G	5.190775G	17.766M	5.171054G	5.188821G	Inf	2
21.45M	5.169175G	5.190625G	17.766M	5.171054G	5.188821G	Inf	3
21.675M	5.169125G	5.1908G	17.791M	5.171054G	5.188846G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

10/05/2019

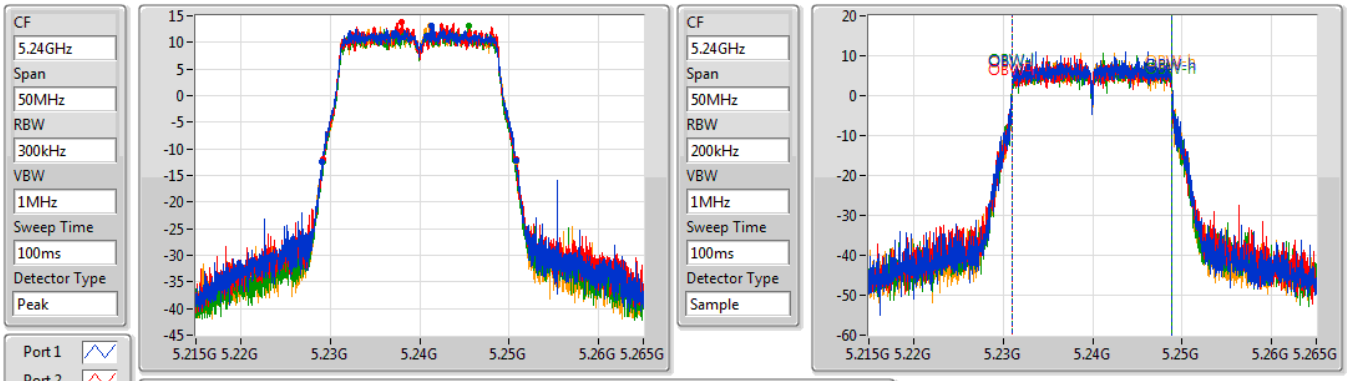


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.189075G	5.2108G	17.741M	5.191054G	5.208796G	Inf	1
21.625M	5.189125G	5.21075G	17.741M	5.191079G	5.208821G	Inf	2
21.5M	5.189225G	5.210725G	17.766M	5.191054G	5.208821G	Inf	3
21.7M	5.1891G	5.2108G	17.766M	5.191079G	5.208846G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

10/05/2019

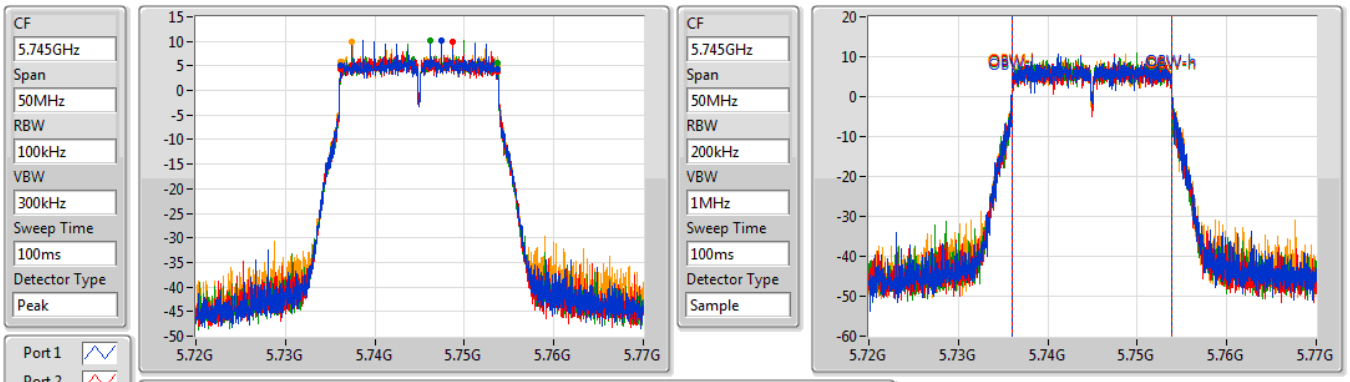


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.229075G	5.2508G	17.791M	5.231054G	5.248846G	Inf	1
21.625M	5.22915G	5.250775G	17.791M	5.231054G	5.248846G	Inf	2
21.475M	5.2292G	5.250675G	17.741M	5.231079G	5.248821G	Inf	3
21.65M	5.229125G	5.250775G	17.791M	5.231029G	5.248821G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

10/05/2019

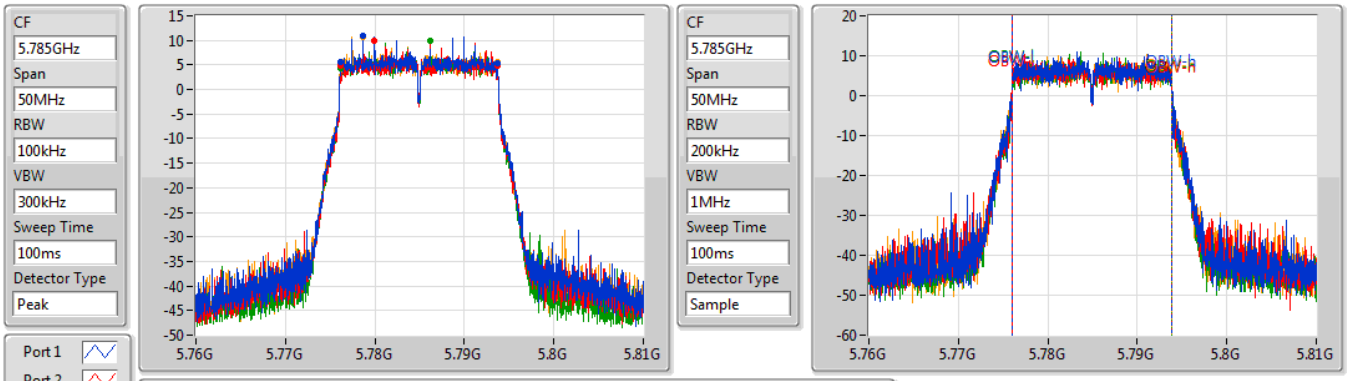


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.736175G	5.753725G	17.791M	5.736054G	5.753846G	500k	1
17.55M	5.736175G	5.753725G	17.716M	5.736079G	5.753796G	500k	2
17.525M	5.736175G	5.7537G	17.741M	5.736079G	5.753821G	500k	3
17.575M	5.73615G	5.753725G	17.766M	5.736054G	5.753821G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

10/05/2019

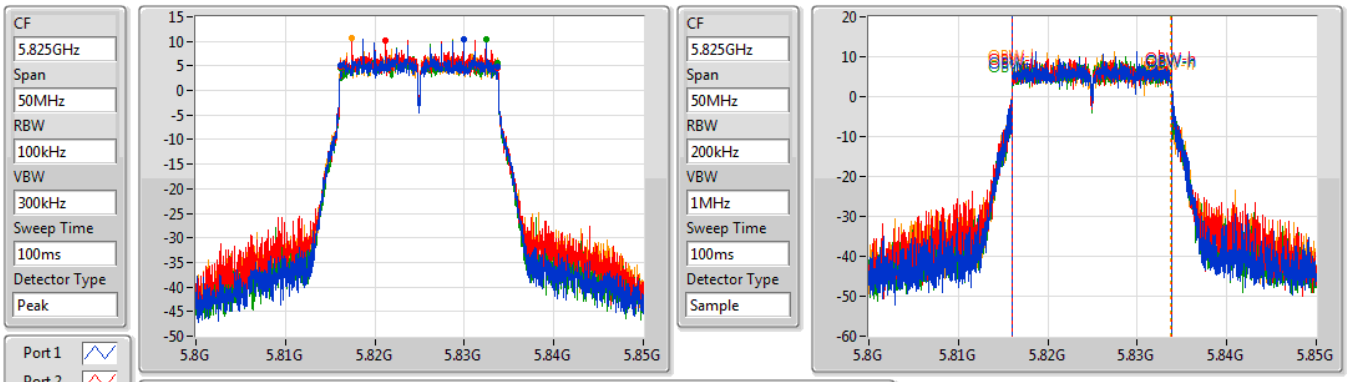


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.77615G	5.7937G	17.716M	5.776079G	5.793796G	500k	1
17.575M	5.77615G	5.793725G	17.766M	5.776054G	5.793821G	500k	2
17.575M	5.77615G	5.793725G	17.716M	5.776079G	5.793796G	500k	3
17.575M	5.77615G	5.793725G	17.816M	5.776004G	5.793821G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

10/05/2019

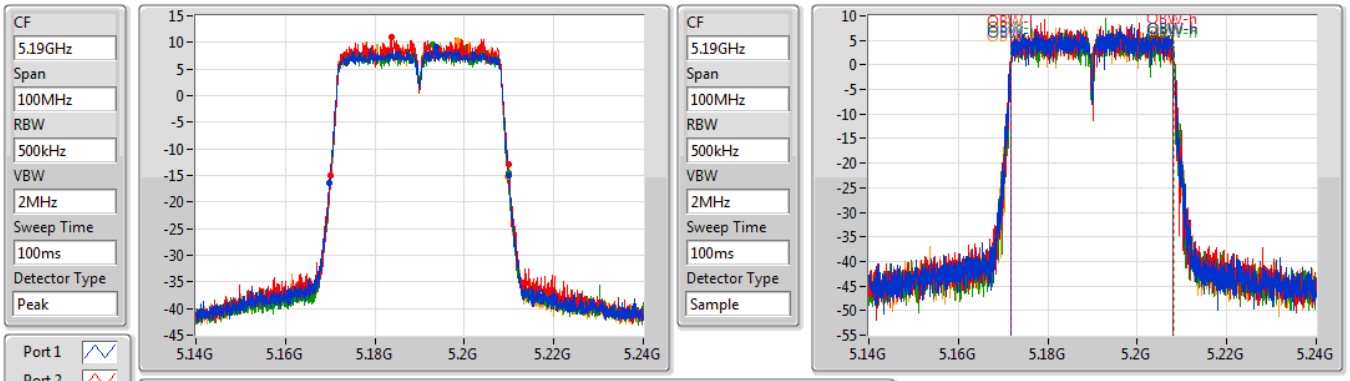


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81615G	5.8337G	17.791M	5.816029G	5.833821G	500k	1
17.6M	5.81615G	5.83375G	17.766M	5.816029G	5.833796G	500k	2
17.525M	5.816175G	5.8337G	17.741M	5.816054G	5.833796G	500k	3
17.55M	5.81615G	5.8337G	17.766M	5.816004G	5.833771G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

10/05/2019

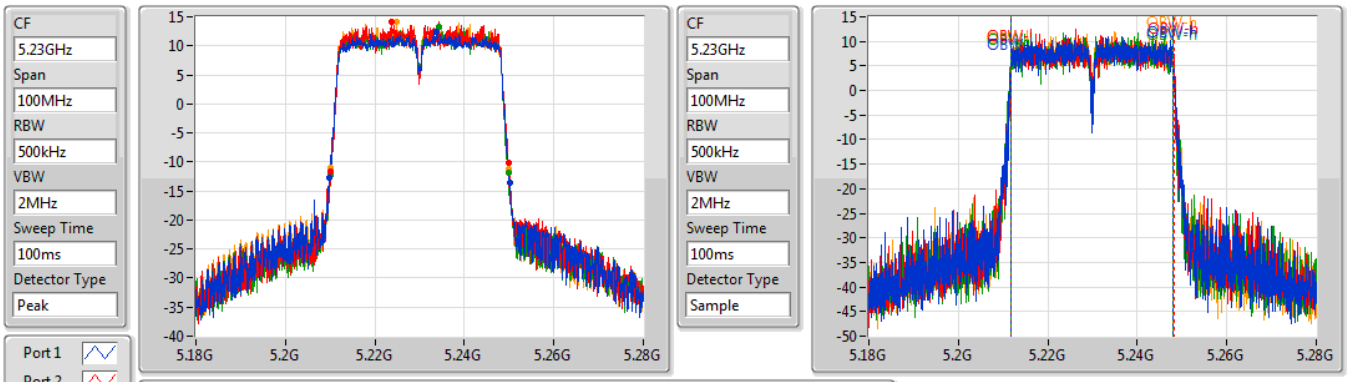


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.1698G	5.2099G	36.282M	5.171759G	5.208041G	Inf	1
39.65M	5.17015G	5.2098G	36.182M	5.171809G	5.207991G	Inf	2
40M	5.1699G	5.2099G	36.232M	5.171859G	5.208091G	Inf	3
39.65M	5.1701G	5.20975G	36.282M	5.171859G	5.208141G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

10/05/2019

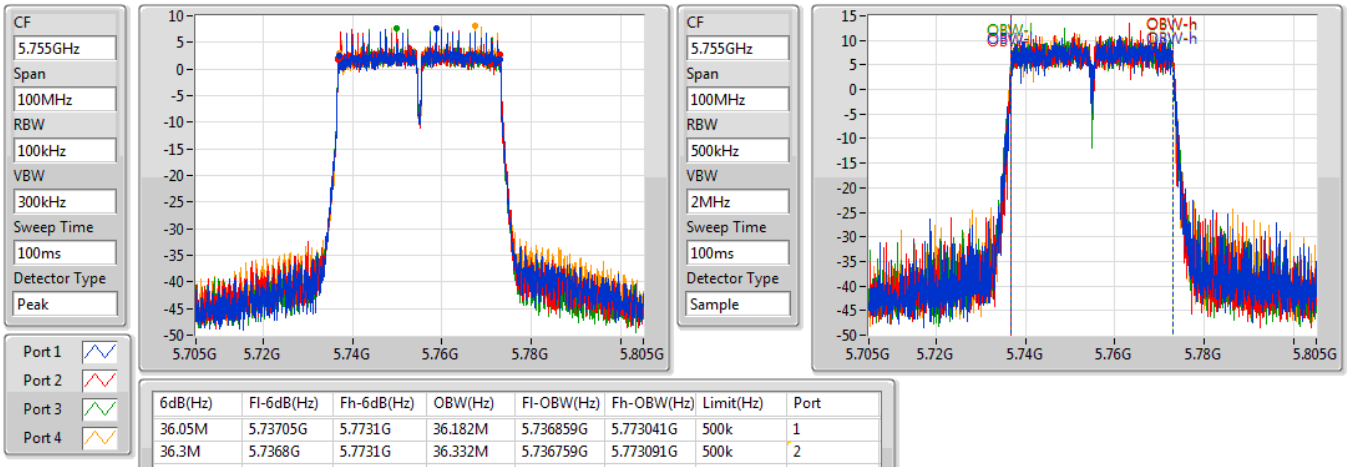


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.2099G	5.2501G	36.232M	5.211809G	5.248041G	Inf	1
39.8M	5.21005G	5.24985G	36.282M	5.211859G	5.248141G	Inf	2
39.95M	5.21G	5.24995G	36.282M	5.211809G	5.248091G	Inf	3
39.85M	5.21005G	5.2499G	36.232M	5.211809G	5.248041G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

10/05/2019

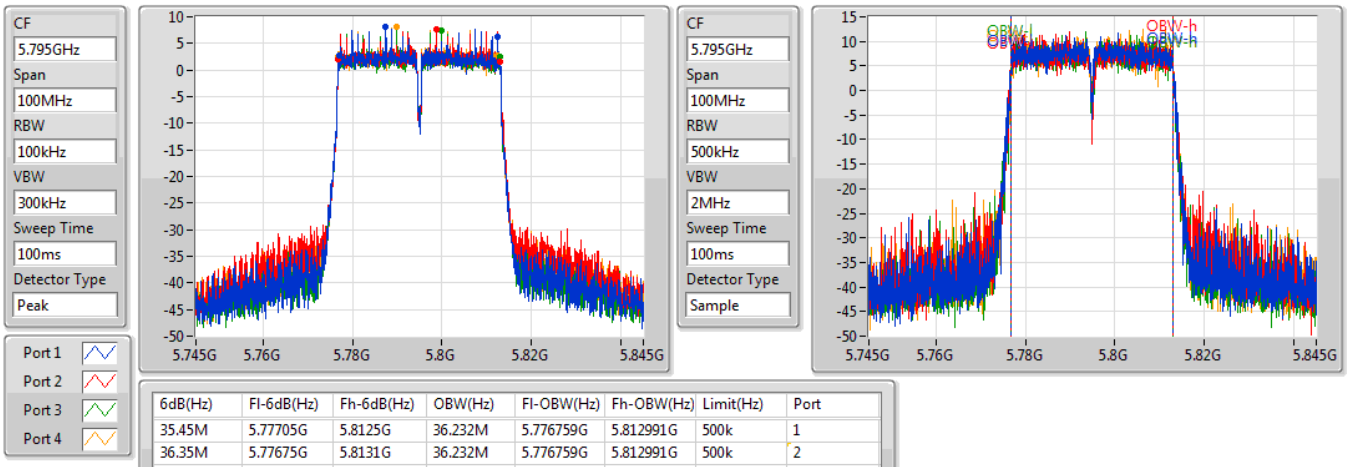


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	5.73705G	5.7731G	36.182M	5.736859G	5.773041G	500k	1
36.3M	5.7368G	5.7731G	36.332M	5.736759G	5.773091G	500k	2
36.35M	5.73675G	5.7731G	36.182M	5.736809G	5.772991G	500k	3
36.05M	5.73705G	5.7731G	36.282M	5.736709G	5.772991G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

10/05/2019

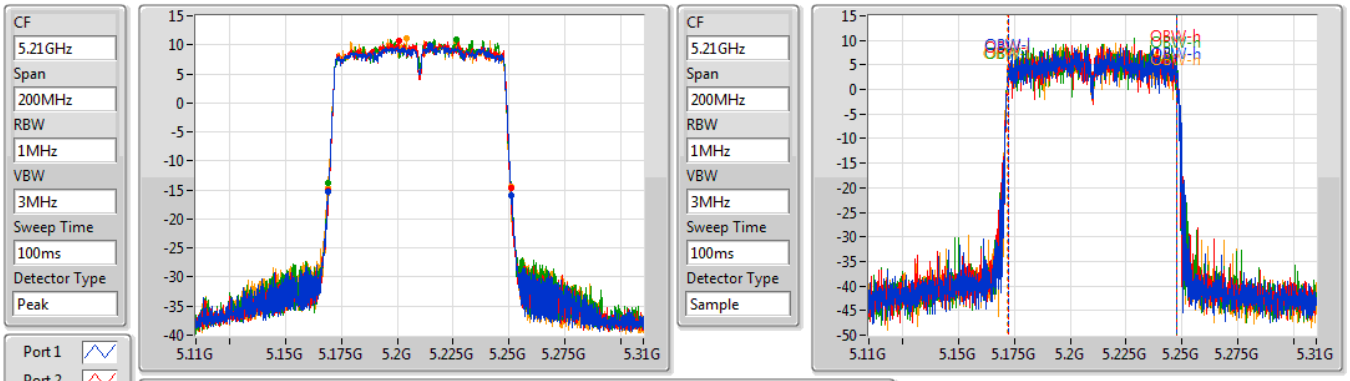


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	5.77705G	5.8125G	36.232M	5.776759G	5.812991G	500k	1
36.35M	5.77675G	5.8131G	36.232M	5.776759G	5.812991G	500k	2
36.3M	5.7768G	5.8131G	36.182M	5.776809G	5.812991G	500k	3
35.75M	5.77675G	5.8125G	36.182M	5.776809G	5.812991G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

10/05/2019

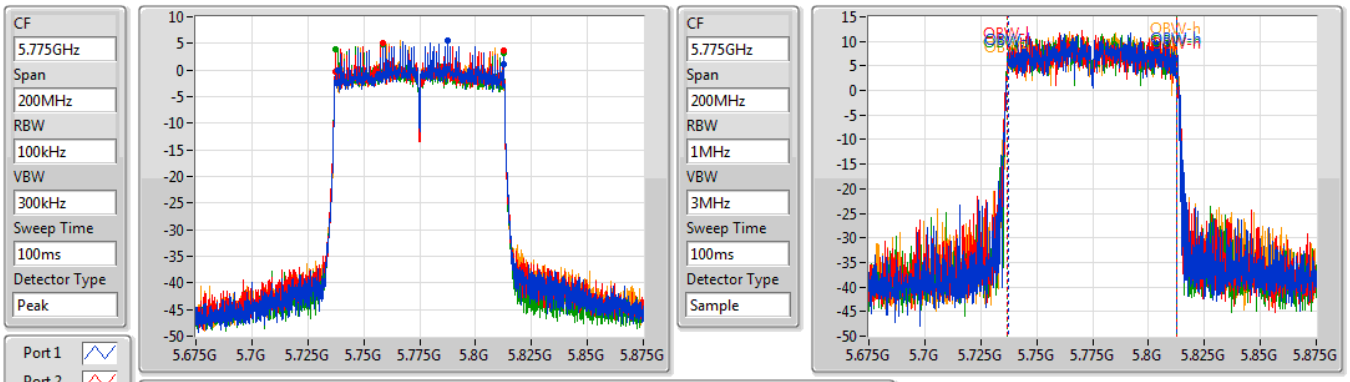


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.1691G	5.251G	75.662M	5.172119G	5.247781G	Inf	1
81.6M	5.1691G	5.2507G	75.662M	5.172119G	5.247781G	Inf	2
81.7M	5.1692G	5.2509G	75.562M	5.172219G	5.247781G	Inf	3
81.7M	5.169G	5.2507G	75.662M	5.172019G	5.247681G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

10/05/2019

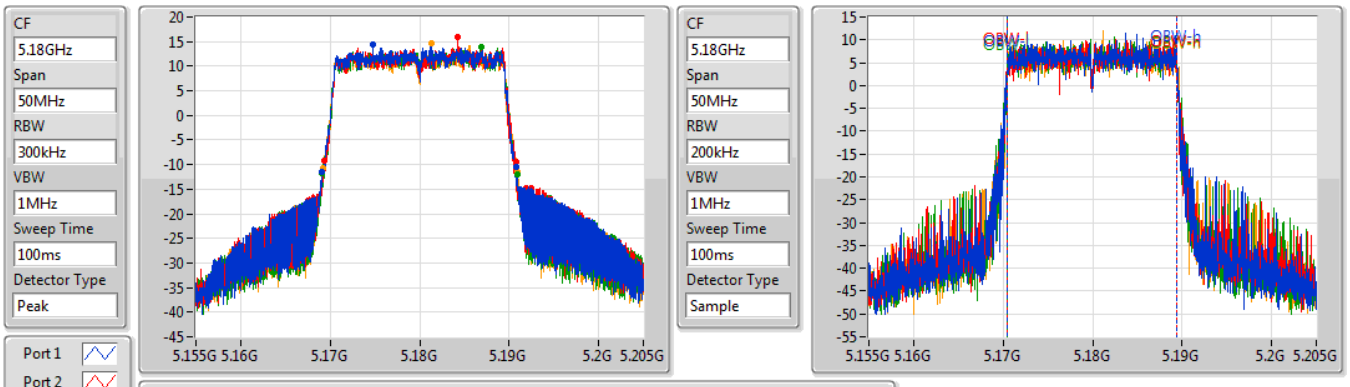


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.8M	5.7387G	5.8125G	75.662M	5.737119G	5.812781G	500k	1
75.2M	5.7373G	5.8125G	75.662M	5.737019G	5.812681G	500k	2
75.1M	5.7374G	5.8125G	75.662M	5.737019G	5.812681G	500k	3
75.2M	5.7373G	5.8125G	75.662M	5.737119G	5.812781G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

10/05/2019

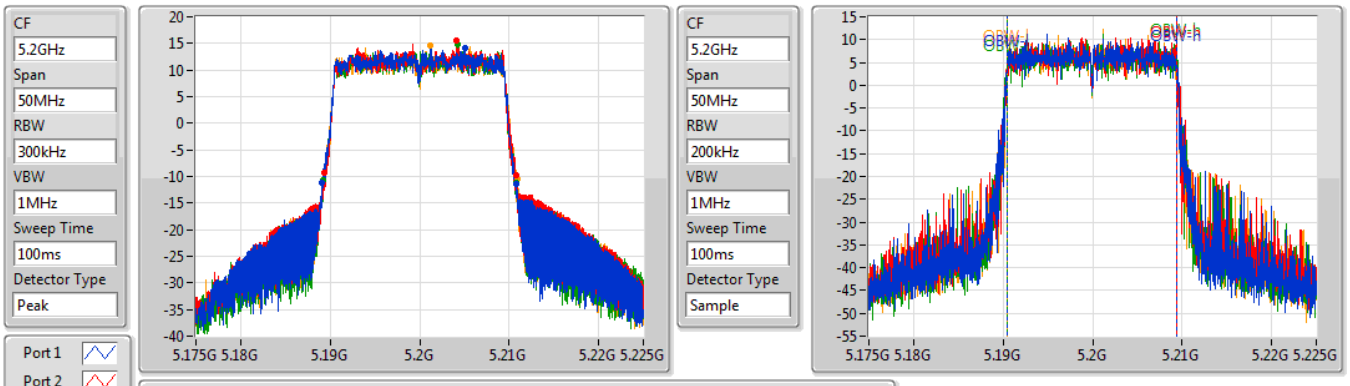


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.625M	5.1691G	5.190725G	18.966M	5.17048G	5.189445G	Inf	1
21.45M	5.16935G	5.1908G	18.916M	5.17048G	5.189395G	Inf	2
21.775M	5.1691G	5.190875G	18.941M	5.17048G	5.18942G	Inf	3
21.725M	5.1692G	5.190925G	18.966M	5.170455G	5.18942G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

10/05/2019



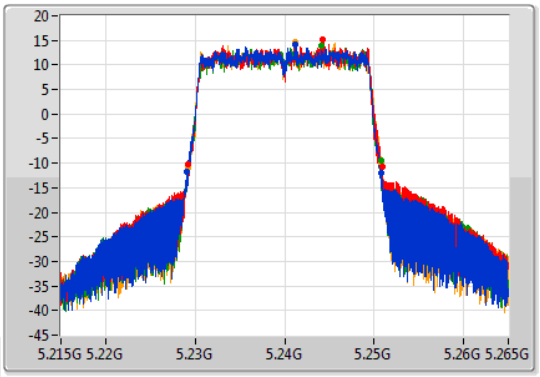
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.65M	5.189125G	5.210775G	18.966M	5.190455G	5.20942G	Inf	1
21.5M	5.1893G	5.2108G	18.966M	5.190455G	5.20942G	Inf	2
21.625M	5.1892G	5.210825G	18.991M	5.190455G	5.209445G	Inf	3
21.7M	5.189175G	5.210875G	19.015M	5.19043G	5.209445G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

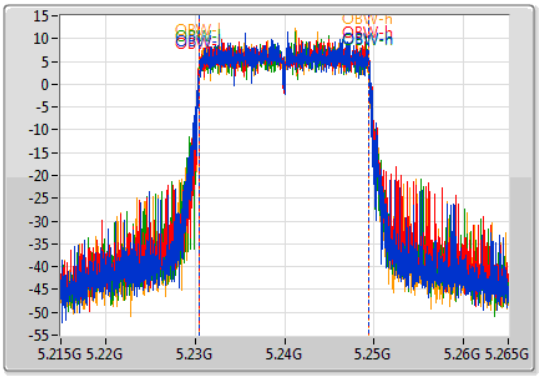
5240MHz

10/05/2019

CF	5.24GHz
Span	50MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.24GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



Port 1
Port 2
Port 3
Port 4

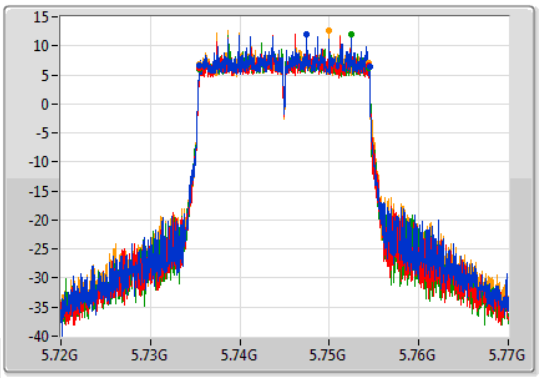
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.229075G	5.2508G	18.991M	5.230455G	5.249445G	Inf	1
21.6M	5.229275G	5.250875G	18.966M	5.23048G	5.249445G	Inf	2
21.65M	5.229075G	5.250725G	18.966M	5.230455G	5.24942G	Inf	3
21.675M	5.22915G	5.250825G	18.966M	5.23043G	5.249395G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

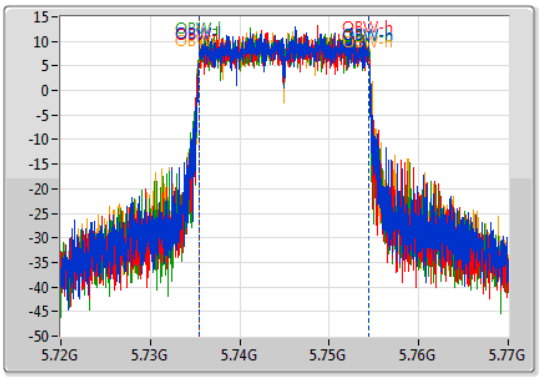
5745MHz

10/05/2019

CF	5.745GHz
Span	50MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.745GHz
Span	50MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Sample



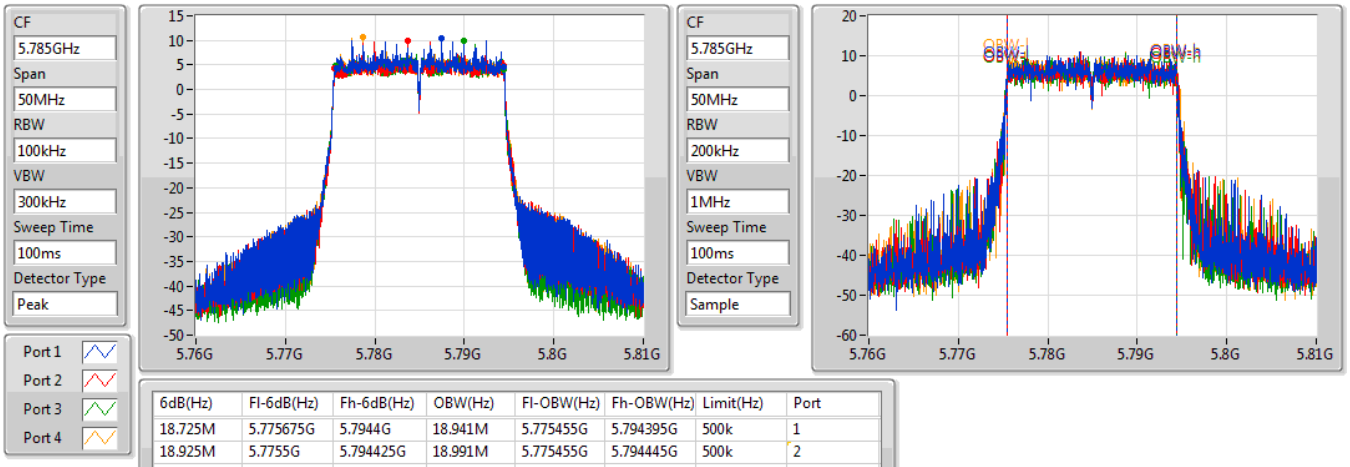
Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	5.735525G	5.754475G	18.941M	5.7354555G	5.754395G	500k	1
18.95M	5.735475G	5.7544425G	19.04M	5.735405G	5.754445G	500k	2
18.925M	5.735475G	5.7544G	19.015M	5.735405G	5.75442G	500k	3
18.875M	5.7355G	5.754375G	19.015M	5.73543G	5.754445G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

10/05/2019

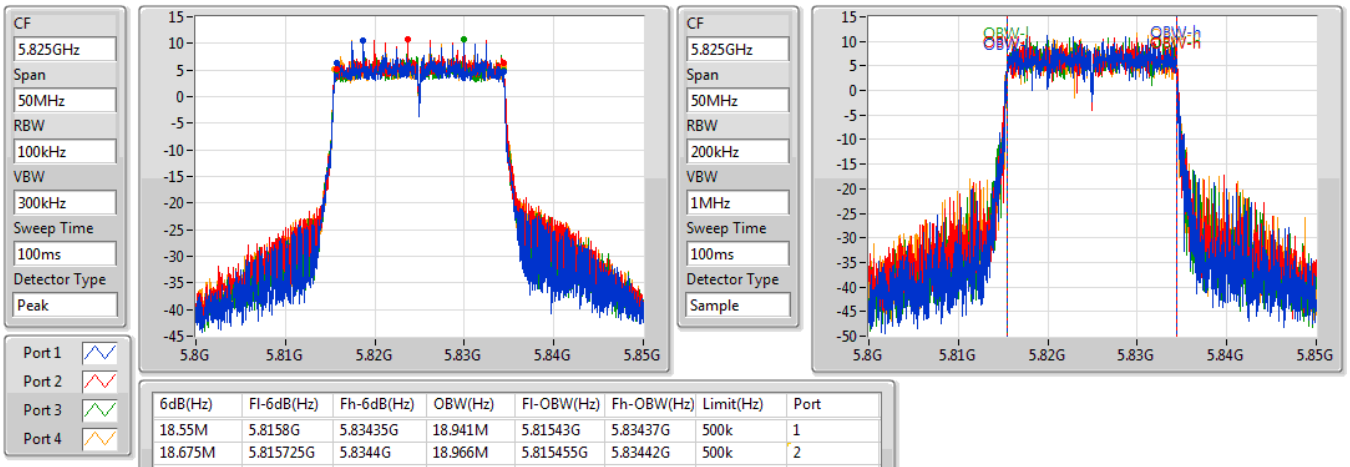


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.725M	5.775675G	5.7944G	18.941M	5.775455G	5.794395G	500k	1
18.925M	5.7755G	5.794425G	18.991M	5.775455G	5.794445G	500k	2
18.85M	5.77555G	5.7944G	19.015M	5.775405G	5.79442G	500k	3
18.75M	5.775625G	5.794375G	19.015M	5.77543G	5.794445G	500k	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

10/05/2019

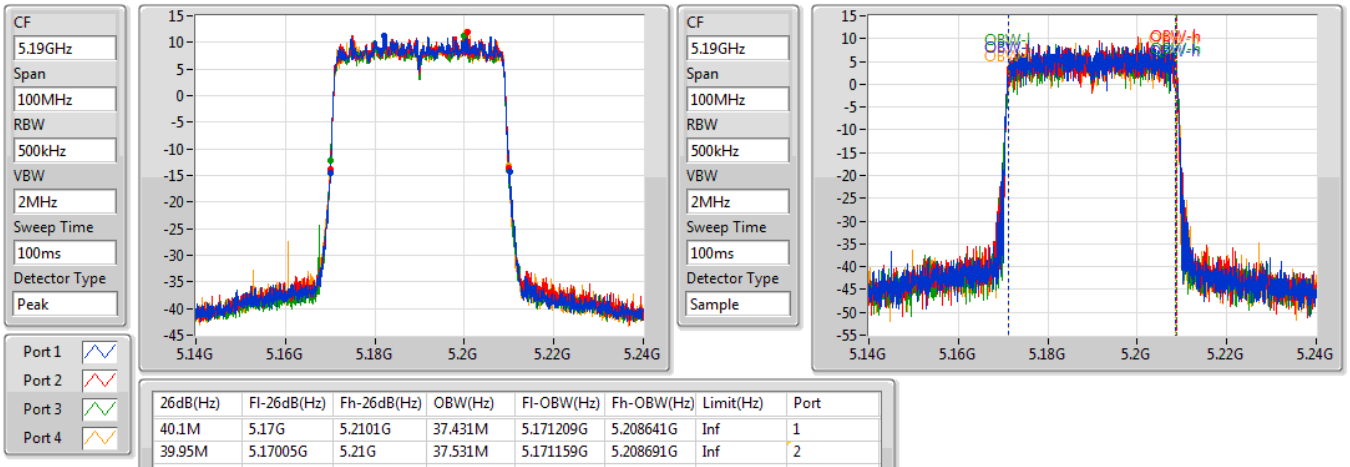


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.55M	5.8158G	5.83435G	18.941M	5.81543G	5.83437G	500k	1
18.675M	5.815725G	5.8344G	18.966M	5.815455G	5.83442G	500k	2
18.7M	5.815675G	5.834375G	18.941M	5.815455G	5.834395G	500k	3
18.875M	5.815475G	5.83435G	18.941M	5.81543G	5.83437G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

10/05/2019

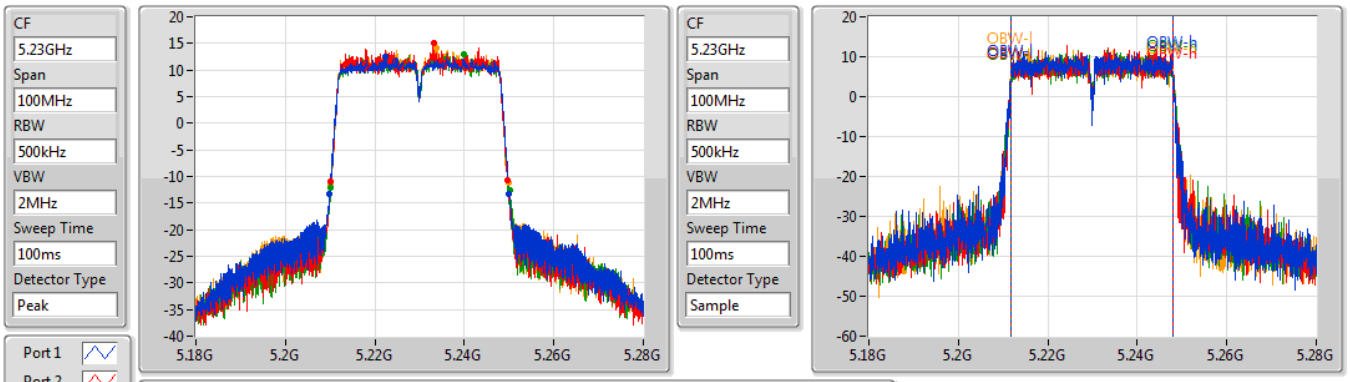


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.17G	5.2101G	37.431M	5.171209G	5.208641G	Inf	1
39.95M	5.17005G	5.21G	37.531M	5.171159G	5.208691G	Inf	2
39.85M	5.17005G	5.2099G	37.431M	5.171259G	5.208691G	Inf	3
40M	5.16995G	5.20995G	37.481M	5.171159G	5.208641G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

10/05/2019

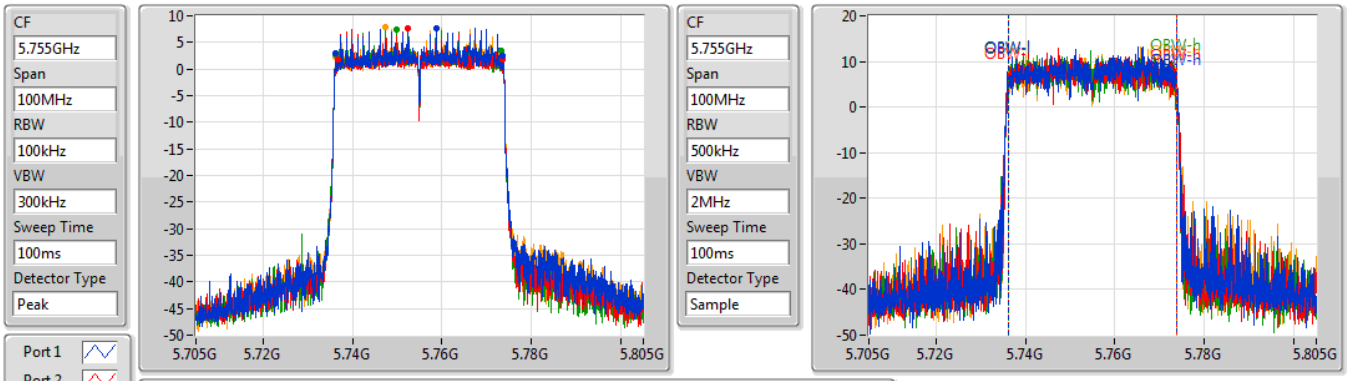


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.20985G	5.25005G	36.132M	5.211859G	5.247991G	Inf	1
39.55M	5.2101G	5.24965G	36.232M	5.211809G	5.248041G	Inf	2
40.2M	5.21G	5.2502G	36.182M	5.211809G	5.247991G	Inf	3
39.6M	5.2102G	5.2498G	36.182M	5.211809G	5.247991G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

10/05/2019

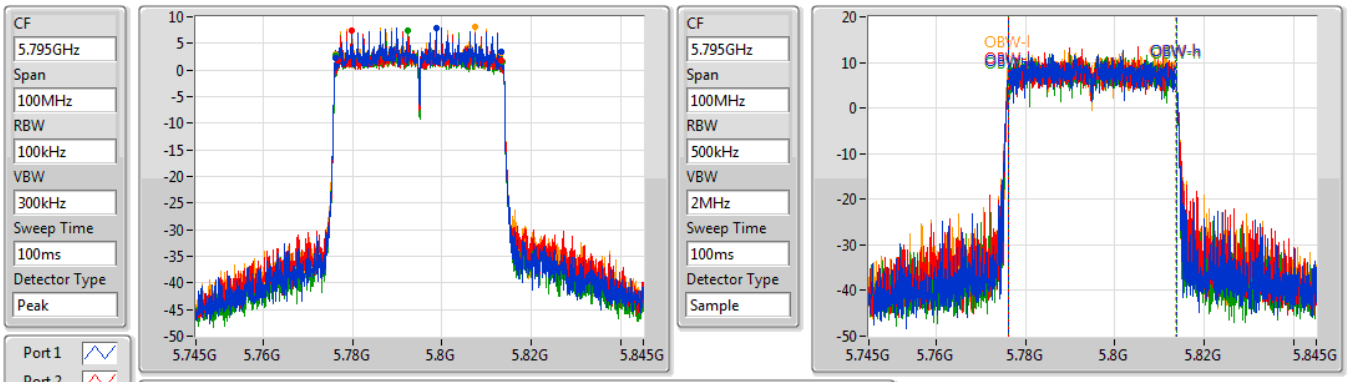


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	5.73615G	5.7734G	37.581M	5.736109G	5.773691G	500k	1
36.65M	5.73675G	5.7734G	37.581M	5.736109G	5.773691G	500k	2
37.15M	5.7362G	5.77335G	37.481M	5.736209G	5.773691G	500k	3
37.15M	5.73615G	5.7733G	37.681M	5.736059G	5.773741G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

10/05/2019

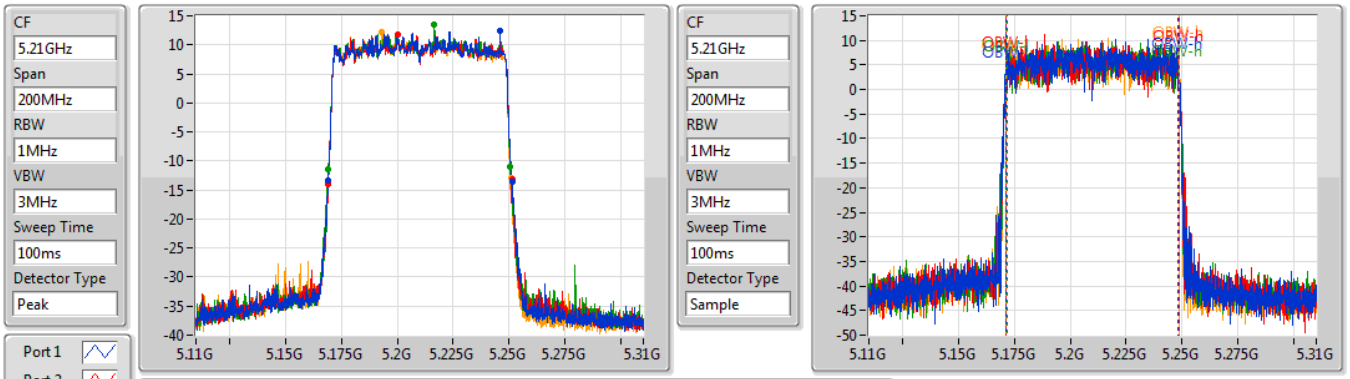


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	5.7761G	5.81335G	37.581M	5.776109G	5.813691G	500k	1
36.45M	5.7768G	5.81325G	37.581M	5.776159G	5.813741G	500k	2
37.5M	5.77615G	5.81365G	37.631M	5.776109G	5.813741G	500k	3
37.1M	5.77615G	5.81325G	37.581M	5.776059G	5.813641G	500k	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

10/05/2019

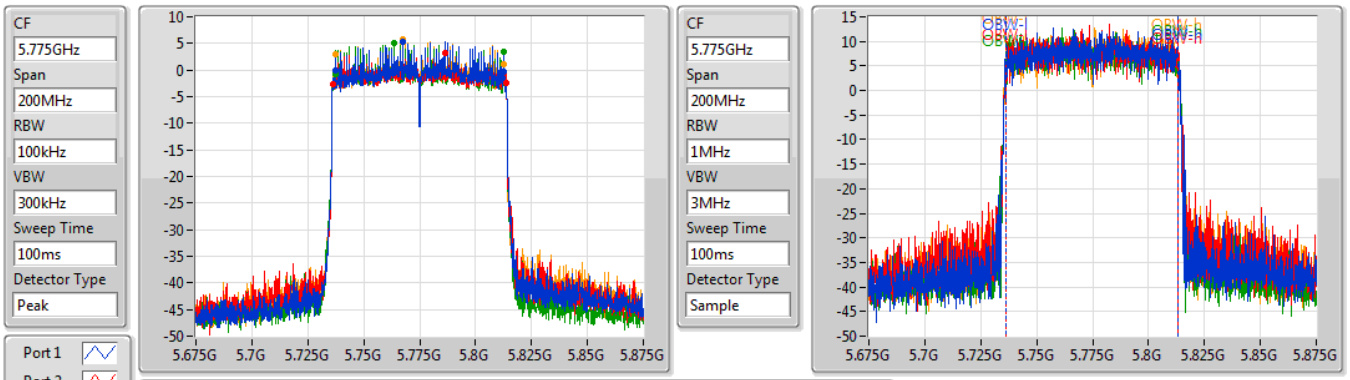


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.1692G	5.2513G	76.862M	5.171319G	5.248181G	Inf	1
82.2M	5.1691G	5.2513G	76.962M	5.171519G	5.248481G	Inf	2
81.3M	5.1692G	5.2505G	76.762M	5.171619G	5.248381G	Inf	3
81.9M	5.169G	5.2509G	77.261M	5.171319G	5.248581G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

10/05/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.3M	5.7373G	5.8126G	77.161M	5.736219G	5.813381G	500k	1
77.6M	5.7361G	5.8137G	77.061M	5.736319G	5.813381G	500k	2
75.3M	5.7372G	5.8125G	76.862M	5.736419G	5.813281G	500k	3
75.1M	5.7374G	5.8125G	76.862M	5.736319G	5.813181G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	27.52	0.56494
802.11ac VHT20_Nss1,(MCS0)_4TX	27.93	0.62087
802.11ac VHT40_Nss1,(MCS0)_4TX	25.04	0.31915
802.11ac VHT80_Nss1,(MCS0)_4TX	23.56	0.22699
802.11ax HEW20_Nss1,(MCS0)_4TX	28.15	0.65313
802.11ax HEW40_Nss1,(MCS0)_4TX	25.11	0.32434
802.11ax HEW80_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	27.47	0.55847
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.74	0.59429
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	24.99	0.31550
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.79	0.60117
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.78	0.59979
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	25.41	0.34754
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.91	0.97949
802.11ac VHT20_Nss1,(MCS0)_4TX	29.73	0.93972
802.11ac VHT40_Nss1,(MCS0)_4TX	29.72	0.93756
802.11ac VHT80_Nss1,(MCS0)_4TX	27.89	0.61518
802.11ax HEW20_Nss1,(MCS0)_4TX	29.92	0.98175
802.11ax HEW40_Nss1,(MCS0)_4TX	29.79	0.95280
802.11ax HEW80_Nss1,(MCS0)_4TX	28.10	0.64565
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	27.62	0.57810
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.55	0.56885
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	27.39	0.54828
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.81	0.60395
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	27.76	0.59704
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	27.67	0.58479

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.28	21.62	21.62	21.43	21.32	27.52	30.00
5200MHz	Pass	2.28	21.32	21.62	21.56	21.03	27.41	30.00
5240MHz	Pass	2.28	21.83	21.29	21.36	21.43	27.50	30.00
5745MHz	Pass	2.28	23.93	23.91	23.77	23.86	29.89	30.00
5785MHz	Pass	2.28	24.01	23.71	23.69	24.03	29.88	30.00
5825MHz	Pass	2.28	23.87	24.06	23.81	23.80	29.91	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.28	21.68	21.64	21.33	21.34	27.52	30.00
5200MHz	Pass	2.28	22.14	22.39	21.47	21.55	27.93	30.00
5240MHz	Pass	2.28	22.12	22.06	21.38	21.97	27.91	30.00
5745MHz	Pass	2.28	23.62	23.64	23.52	23.88	29.69	30.00
5785MHz	Pass	2.28	23.86	23.49	23.39	23.94	29.70	30.00
5825MHz	Pass	2.28	23.61	23.82	23.67	23.73	29.73	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.28	18.64	18.67	18.53	18.58	24.63	30.00
5230MHz	Pass	2.28	19.18	18.89	18.80	19.18	25.04	30.00
5755MHz	Pass	2.28	23.59	23.64	23.65	23.72	29.67	30.00
5795MHz	Pass	2.28	24.07	23.58	23.23	23.87	29.72	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.28	17.68	17.46	17.56	17.47	23.56	30.00
5775MHz	Pass	2.28	21.93	21.88	21.79	21.86	27.89	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.28	21.72	21.56	21.52	21.57	27.61	30.00
5200MHz	Pass	2.28	21.84	22.32	22.05	22.03	28.08	30.00
5240MHz	Pass	2.28	22.26	22.17	21.76	22.29	28.15	30.00
5745MHz	Pass	2.28	23.80	23.93	23.85	23.81	29.87	30.00
5785MHz	Pass	2.28	24.00	23.71	23.57	24.28	29.92	30.00
5825MHz	Pass	2.28	23.91	23.94	23.73	23.86	29.88	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.28	18.65	18.91	18.62	18.87	24.79	30.00
5230MHz	Pass	2.28	19.14	19.12	18.86	19.23	25.11	30.00
5755MHz	Pass	2.28	23.62	23.89	23.70	23.86	29.79	30.00
5795MHz	Pass	2.28	24.03	23.67	23.35	24.01	29.79	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.28	17.95	17.79	17.96	17.89	23.92	30.00
5775MHz	Pass	2.28	22.25	21.96	22.22	21.88	28.10	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	21.53	21.70	21.27	21.28	27.47	27.85
5200MHz	Pass	8.15	21.31	21.88	21.42	21.17	27.47	27.85
5240MHz	Pass	8.15	21.69	21.49	20.97	21.20	27.37	27.85
5745MHz	Pass	8.15	21.59	21.11	21.40	21.69	27.47	27.85
5785MHz	Pass	8.15	21.68	21.26	21.21	21.96	27.56	27.85

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5825MHz	Pass	8.15	21.59	21.57	21.36	21.86	27.62	27.85
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.15	18.23	18.34	18.14	18.21	24.25	27.85
5230MHz	Pass	8.15	21.88	21.81	21.30	21.87	27.74	27.85
5755MHz	Pass	8.15	21.43	21.23	21.36	21.47	27.39	27.85
5795MHz	Pass	8.15	21.52	21.32	21.42	21.83	27.55	27.85
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.15	19.12	18.95	18.91	18.89	24.99	27.85
5775MHz	Pass	8.15	21.41	21.46	21.01	21.57	27.39	27.85
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	21.79	22.01	21.64	21.63	27.79	27.85
5200MHz	Pass	8.15	21.65	22.01	21.32	21.53	27.66	27.85
5240MHz	Pass	8.15	21.74	21.85	21.36	21.81	27.71	27.85
5745MHz	Pass	8.15	21.78	21.46	21.71	21.86	27.73	27.85
5785MHz	Pass	8.15	22.13	21.63	21.56	21.83	27.81	27.85
5825MHz	Pass	8.15	21.77	21.91	21.62	21.78	27.79	27.85
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.15	18.69	18.47	18.46	18.50	24.55	27.85
5230MHz	Pass	8.15	22.02	21.75	21.35	21.87	27.78	27.85
5755MHz	Pass	8.15	21.71	21.58	21.69	21.85	27.73	27.85
5795MHz	Pass	8.15	21.66	21.61	21.57	22.10	27.76	27.85
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.15	19.65	19.27	19.41	19.20	25.41	27.85
5775MHz	Pass	8.15	21.79	21.61	21.37	21.81	27.67	27.85

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	14.82
802.11ac VHT20_Nss1,(MCS0)_4TX	14.55
802.11ac VHT40_Nss1,(MCS0)_4TX	8.99
802.11ac VHT80_Nss1,(MCS0)_4TX	4.91
802.11ax HEW20_Nss1,(MCS0)_4TX	14.83
802.11ax HEW40_Nss1,(MCS0)_4TX	9.07
802.11ax HEW80_Nss1,(MCS0)_4TX	5.24
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	14.53
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.96
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	6.32
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.53
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.99
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	6.54
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.56
802.11ac VHT20_Nss1,(MCS0)_4TX	15.15
802.11ac VHT40_Nss1,(MCS0)_4TX	12.43
802.11ac VHT80_Nss1,(MCS0)_4TX	7.93
802.11ax HEW20_Nss1,(MCS0)_4TX	15.13
802.11ax HEW40_Nss1,(MCS0)_4TX	12.44
802.11ax HEW80_Nss1,(MCS0)_4TX	8.18
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	12.85
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	10.14
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	7.34
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	13.04
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	10.25
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	7.43

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

Result

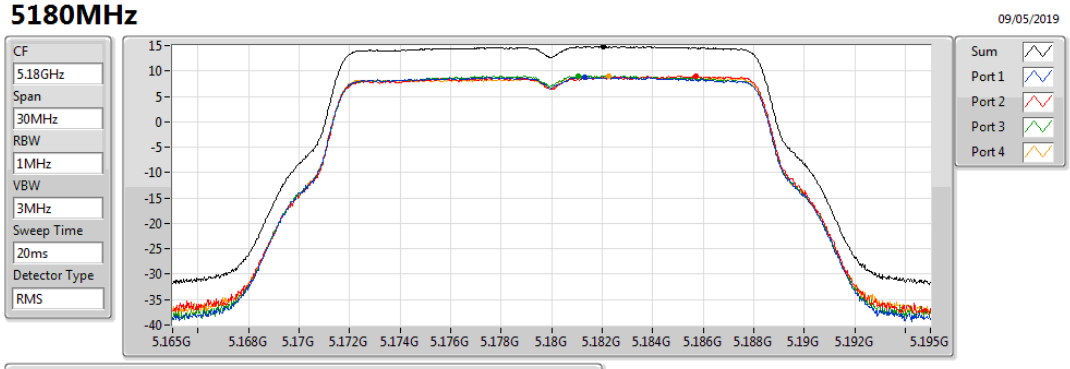
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	8.77	9.01	9.06	8.90	14.81	14.85
5200MHz	Pass	8.15	8.60	9.12	9.40	8.82	14.81	14.85
5240MHz	Pass	8.15	9.15	9.02	8.92	9.09	14.82	14.85
5745MHz	Pass	8.15	9.82	9.46	9.85	9.81	15.56	27.85
5785MHz	Pass	8.15	9.84	9.30	9.44	10.18	15.34	27.85
5825MHz	Pass	8.15	9.85	9.82	9.69	9.81	15.48	27.85
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	8.15	8.82	8.07	8.13	14.15	14.85
5200MHz	Pass	8.15	8.87	9.34	8.39	8.48	14.55	14.85
5240MHz	Pass	8.15	8.74	8.71	8.40	8.70	14.46	14.85
5745MHz	Pass	8.15	9.32	9.30	9.01	9.57	15.05	27.85
5785MHz	Pass	8.15	9.71	9.37	9.00	9.99	15.15	27.85
5825MHz	Pass	8.15	9.43	9.56	8.95	9.59	15.13	27.85
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.15	2.60	3.18	2.92	2.74	8.55	14.85
5230MHz	Pass	8.15	3.33	3.19	2.91	3.35	8.99	14.85
5755MHz	Pass	8.15	6.77	6.44	6.34	7.21	12.42	27.85
5795MHz	Pass	8.15	6.80	6.14	6.12	7.20	12.43	27.85
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.15	-0.88	-0.42	-0.91	-0.99	4.91	14.85
5775MHz	Pass	8.15	2.46	1.97	2.21	2.48	7.93	27.85
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	8.31	8.46	8.44	8.31	14.22	14.85
5200MHz	Pass	8.15	8.71	9.43	9.06	8.74	14.83	14.85
5240MHz	Pass	8.15	9.32	8.98	8.60	8.99	14.81	14.85
5745MHz	Pass	8.15	9.43	9.17	8.86	9.38	14.95	27.85
5785MHz	Pass	8.15	9.62	9.07	8.87	9.98	15.13	27.85
5825MHz	Pass	8.15	9.18	9.26	9.17	9.55	15.01	27.85
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.15	2.45	3.24	2.88	3.16	8.74	14.85
5230MHz	Pass	8.15	3.41	3.11	2.98	3.62	9.07	14.85
5755MHz	Pass	8.15	6.84	6.47	6.28	6.99	12.39	27.85
5795MHz	Pass	8.15	7.01	6.21	5.93	7.15	12.44	27.85
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.15	-0.81	-0.57	-0.42	-0.51	5.24	14.85
5775MHz	Pass	8.15	2.84	2.08	2.03	2.92	8.18	27.85
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	8.58	9.04	8.60	8.50	14.53	14.85
5200MHz	Pass	8.15	8.32	9.15	8.43	8.27	14.41	14.85
5240MHz	Pass	8.15	8.65	8.63	7.98	8.36	14.19	14.85
5745MHz	Pass	8.15	6.95	6.70	7.00	7.43	12.71	27.85
5785MHz	Pass	8.15	7.44	6.77	6.62	7.76	12.82	27.85
5825MHz	Pass	8.15	7.00	7.23	6.76	7.42	12.85	27.85

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.15	2.09	2.99	2.42	2.55	8.34	14.85
5230MHz	Pass	8.15	6.13	6.23	6.16	6.44	11.96	14.85
5755MHz	Pass	8.15	4.36	3.95	4.07	4.76	10.01	27.85
5795MHz	Pass	8.15	4.59	3.93	4.10	4.89	10.14	27.85
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.15	0.52	0.47	0.30	0.43	6.32	14.85
5775MHz	Pass	8.15	1.85	1.57	1.13	2.17	7.34	27.85
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.15	8.34	8.73	8.29	8.30	14.29	14.85
5200MHz	Pass	8.15	8.35	9.21	8.75	8.42	14.53	14.85
5240MHz	Pass	8.15	8.58	8.49	8.12	8.64	14.22	14.85
5745MHz	Pass	8.15	7.28	6.96	7.21	7.57	12.96	27.85
5785MHz	Pass	8.15	7.67	6.95	6.80	7.62	12.94	27.85
5825MHz	Pass	8.15	7.32	7.09	6.90	7.83	13.04	27.85
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.15	2.76	3.17	2.59	2.65	8.59	14.85
5230MHz	Pass	8.15	6.11	6.25	6.00	6.41	11.99	14.85
5755MHz	Pass	8.15	4.43	4.28	4.19	4.81	10.07	27.85
5795MHz	Pass	8.15	4.62	4.06	4.07	5.07	10.25	27.85
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.15	0.83	0.86	0.86	0.39	6.54	14.85
5775MHz	Pass	8.15	2.10	1.50	1.45	2.17	7.43	27.85

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

802.11a_Nss1,(6Mbps)_4TX PSD

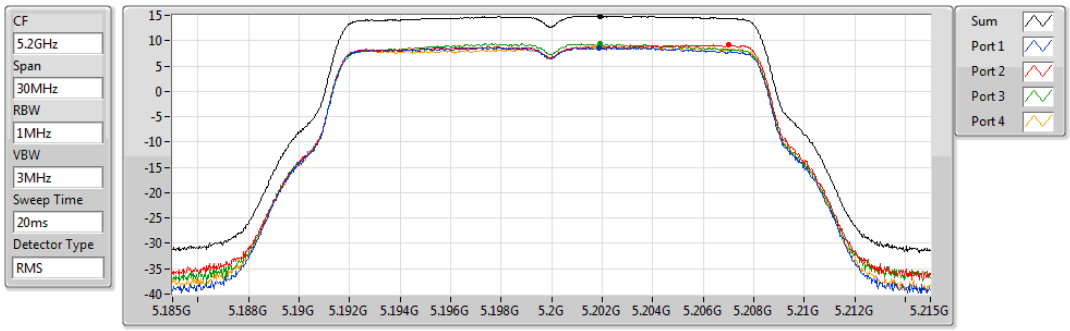
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.81	14.81	8.77	9.01	9.06	8.90

802.11a_Nss1,(6Mbps)_4TX PSD

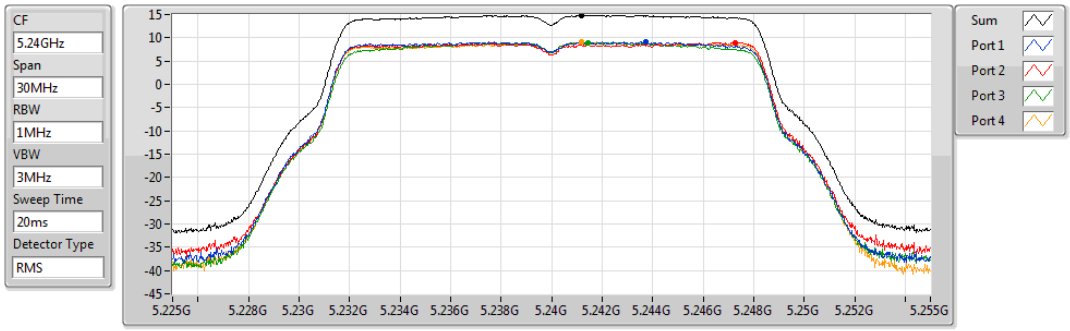
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.81	14.81	8.60	9.12	9.40	8.82

802.11a_Nss1,(6Mbps)_4TX PSD

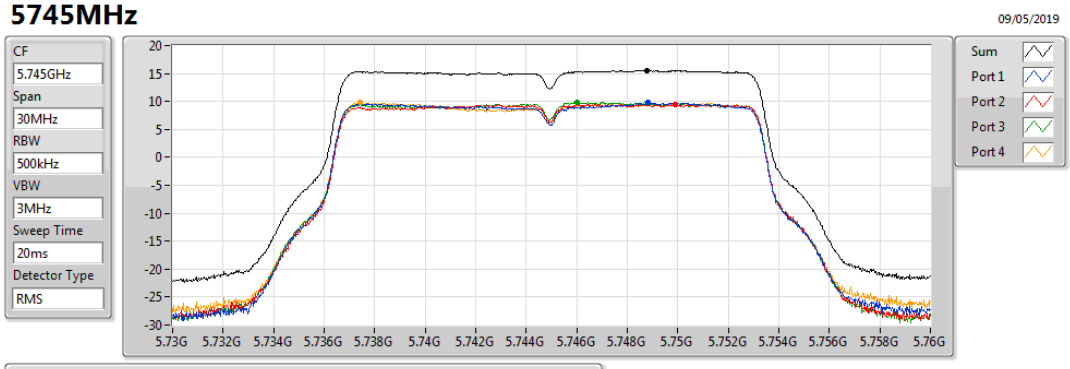
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.82	14.82	9.15	9.02	8.92	9.09

802.11a_Nss1,(6Mbps)_4TX PSD

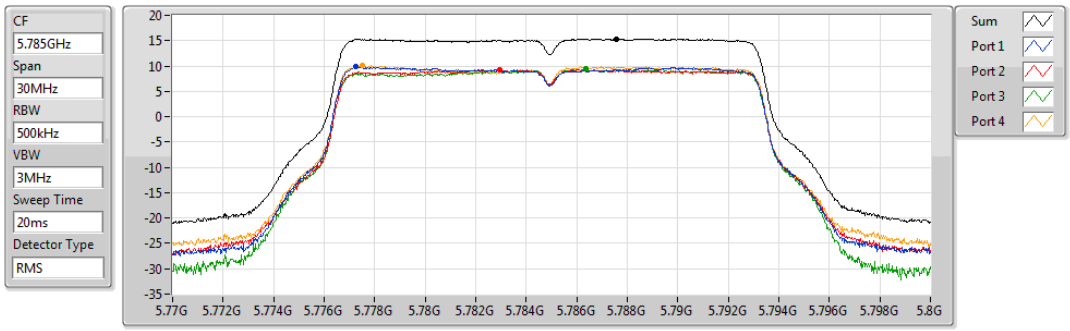
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.56	15.56	9.82	9.46	9.85	9.81

802.11a_Nss1,(6Mbps)_4TX PSD

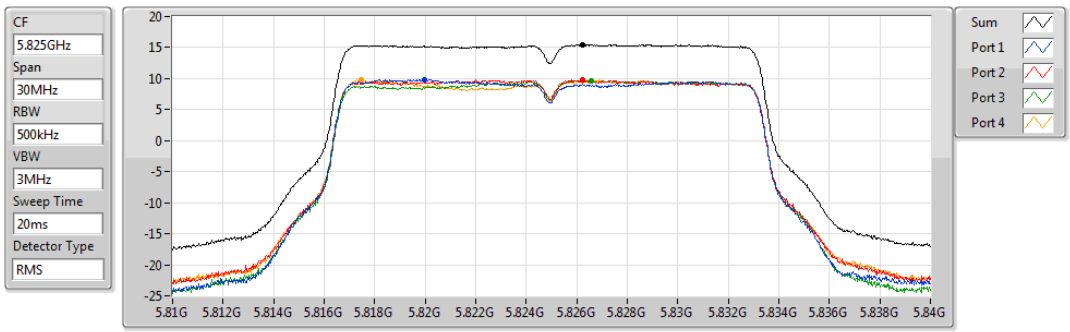
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.34	15.34	9.84	9.30	9.44	10.18

802.11a_Nss1,(6Mbps)_4TX PSD

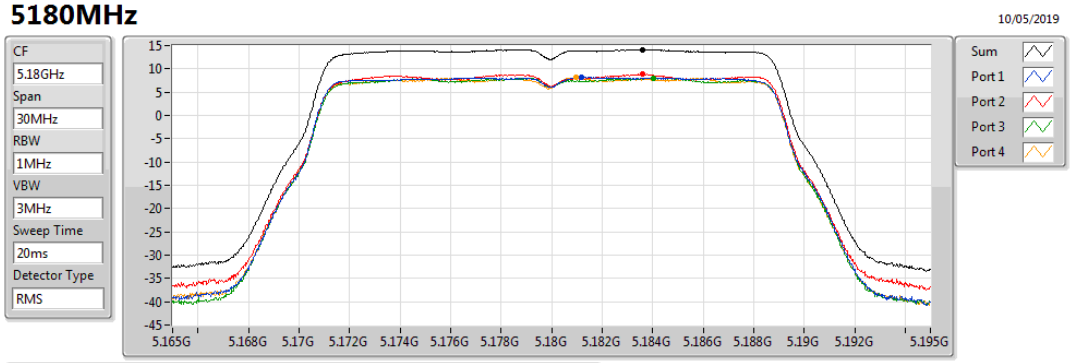
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.48	15.48	9.85	9.82	9.69	9.81

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

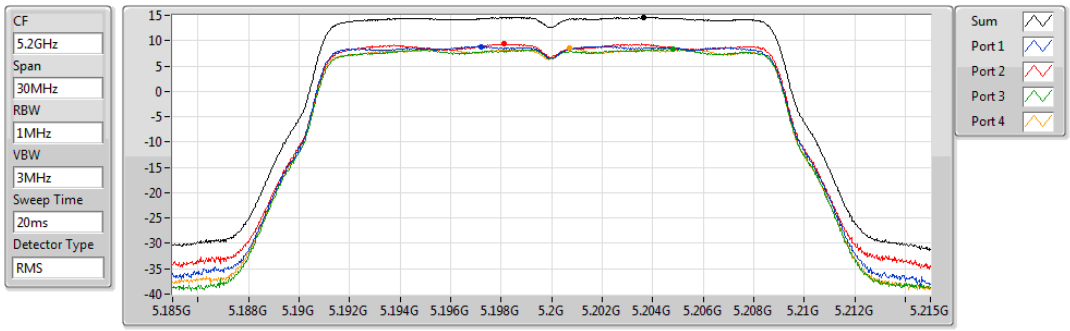
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.15	14.15	8.15	8.82	8.07	8.13

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

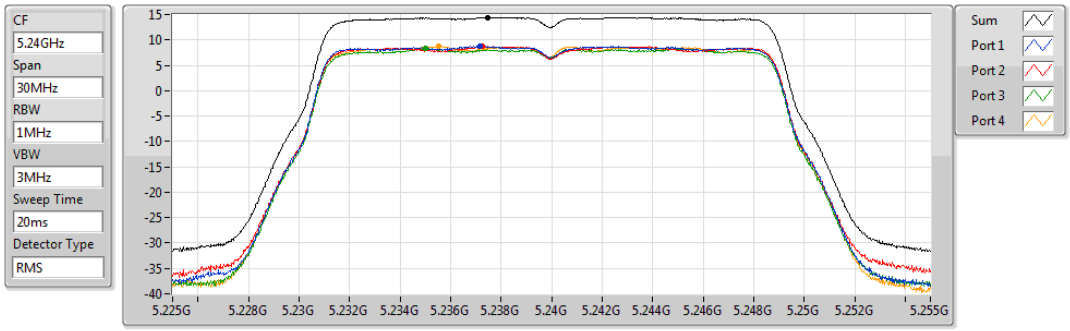
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.55	14.55	8.87	9.34	8.39	8.48

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

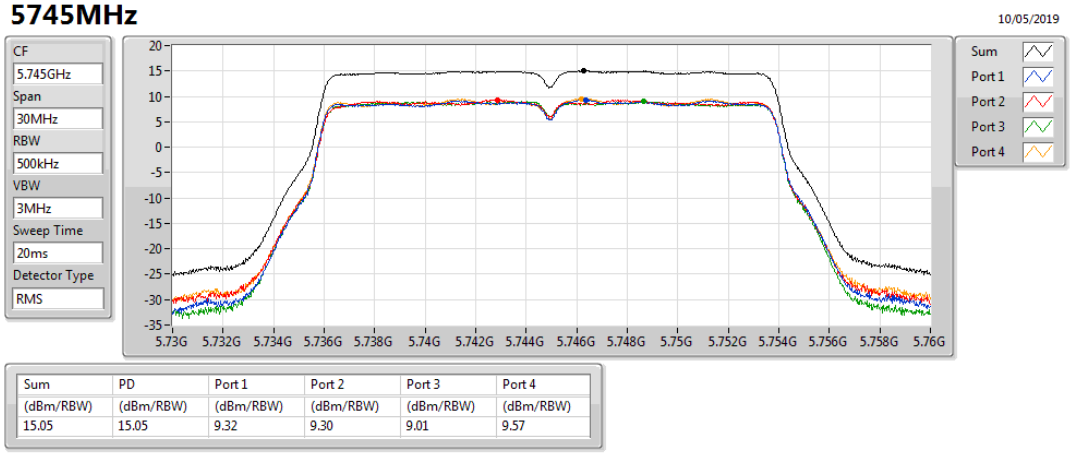
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.46	14.46	8.74	8.71	8.40	8.70

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

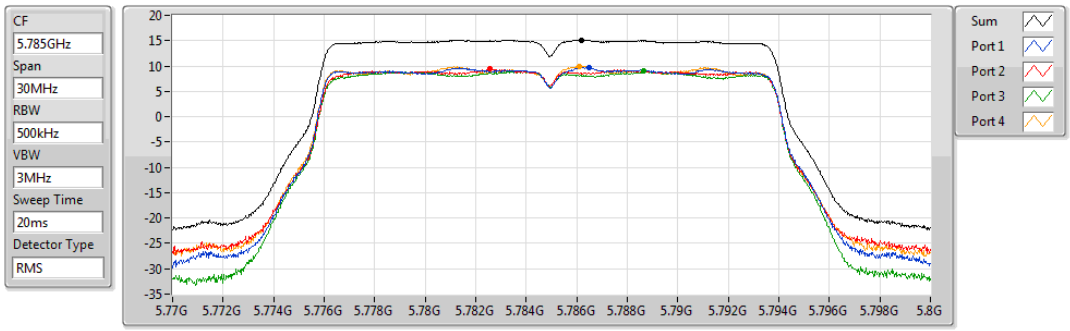
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.05	15.05	9.32	9.30	9.01	9.57

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

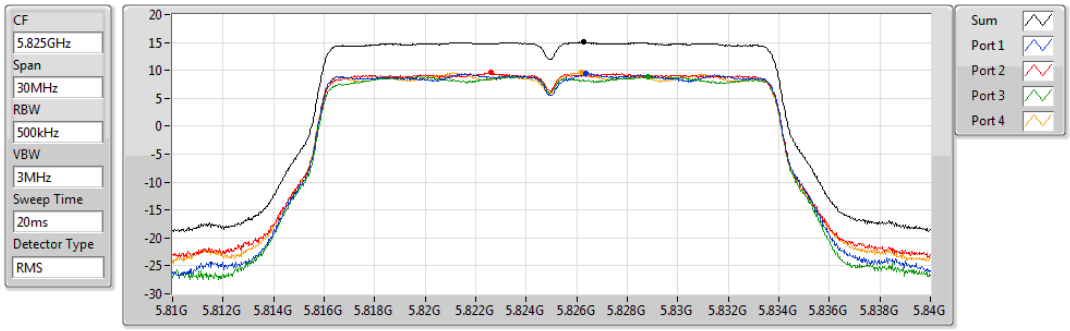
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.15	15.15	9.71	9.37	9.00	9.99

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

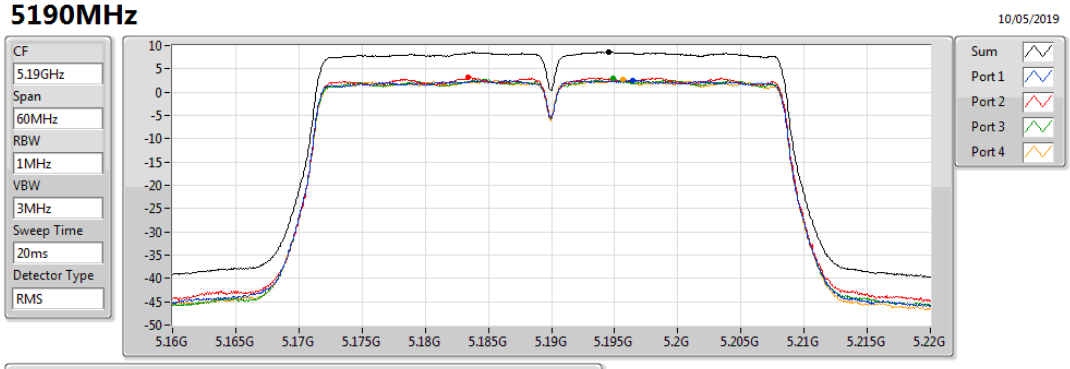
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.13	15.13	9.43	9.56	8.95	9.59

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

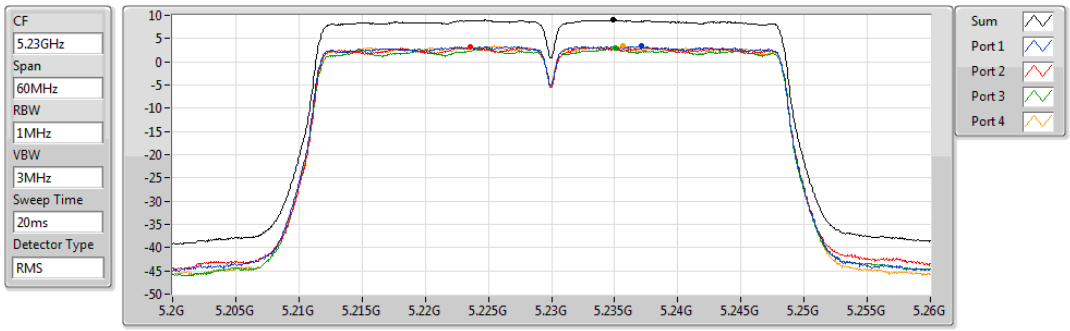
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.55	8.55	2.60	3.18	2.92	2.74

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

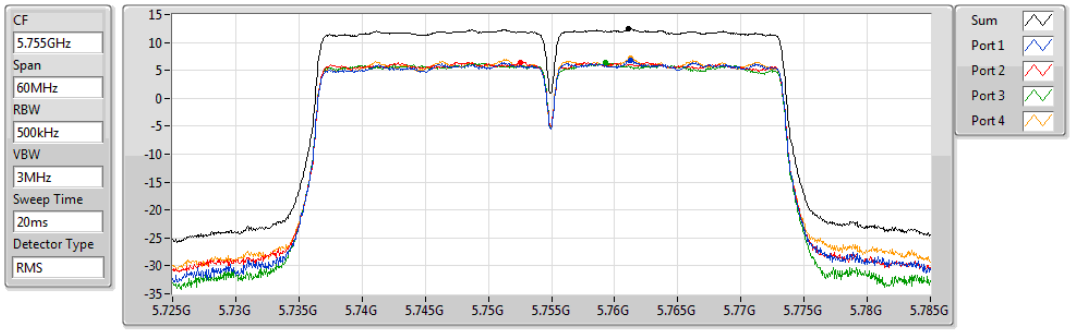
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	3.33	3.19	2.91	3.35

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

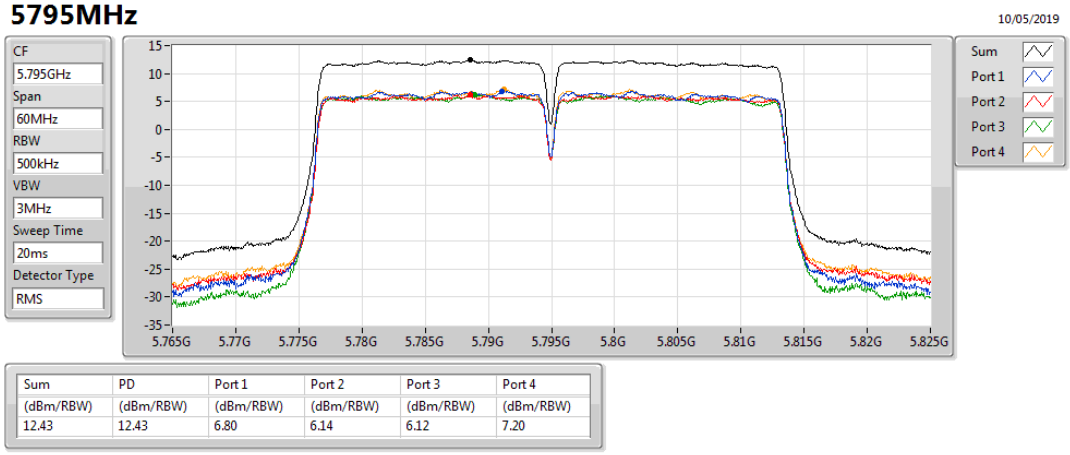
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.42	12.42	6.77	6.44	6.34	7.21

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

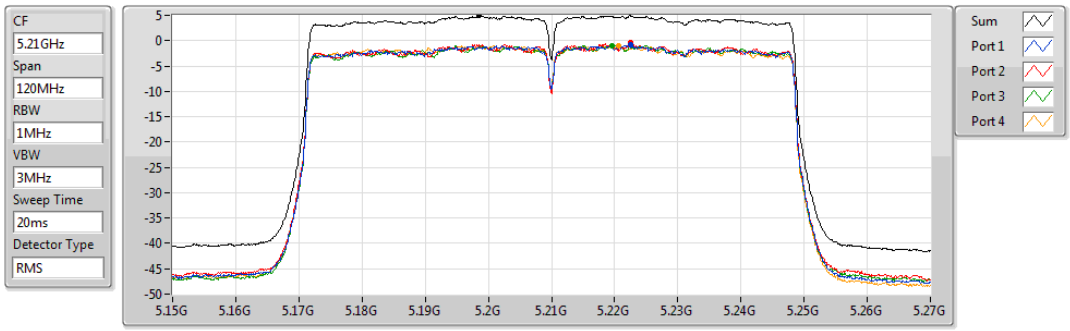
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.43	12.43	6.80	6.14	6.12	7.20

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

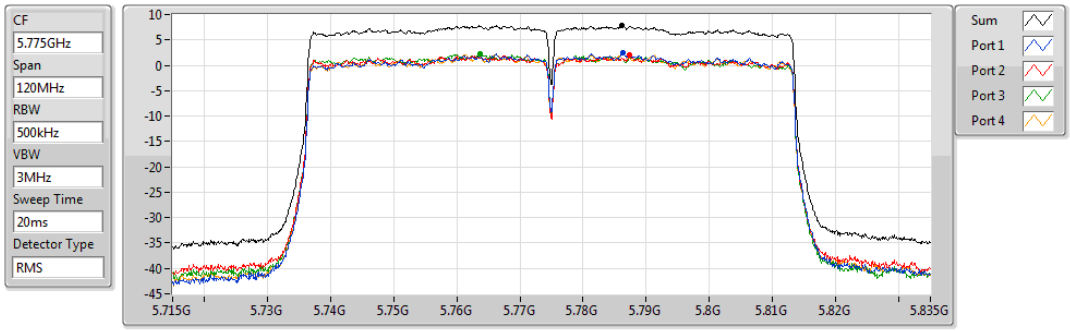
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	-0.88	-0.42	-0.91	-0.99

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

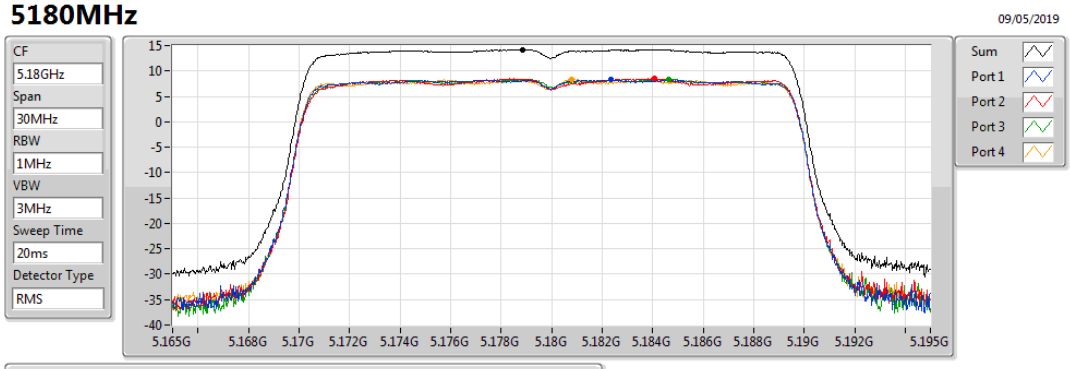
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.93	7.93	2.46	1.97	2.21	2.48

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

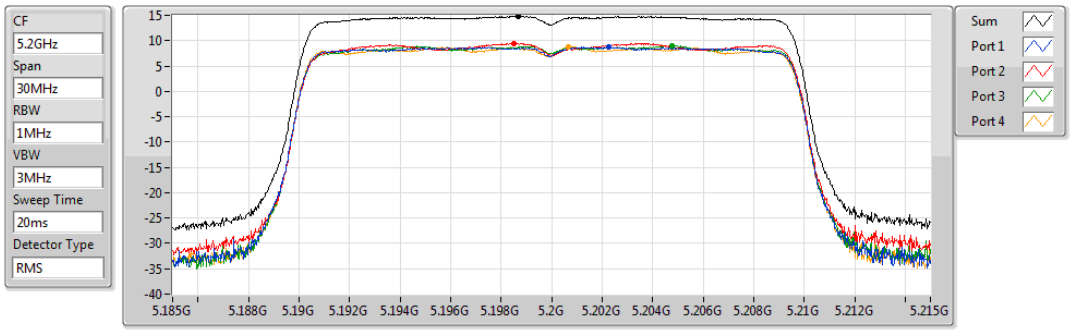
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.22	14.22	8.31	8.46	8.44	8.31

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

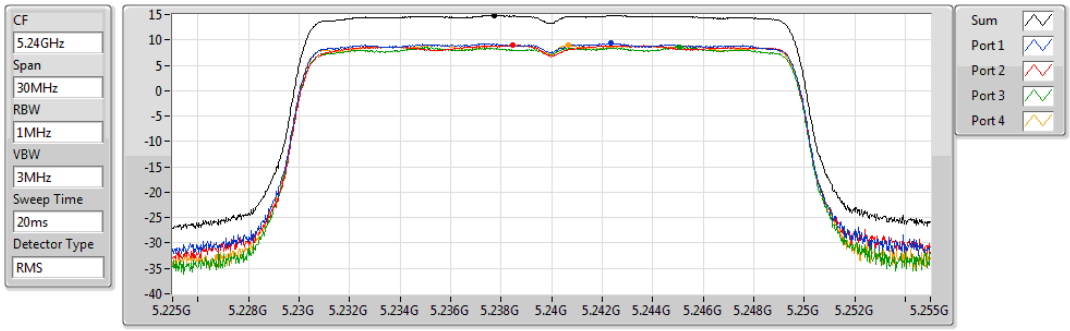
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.83	14.83	8.71	9.43	9.06	8.74

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

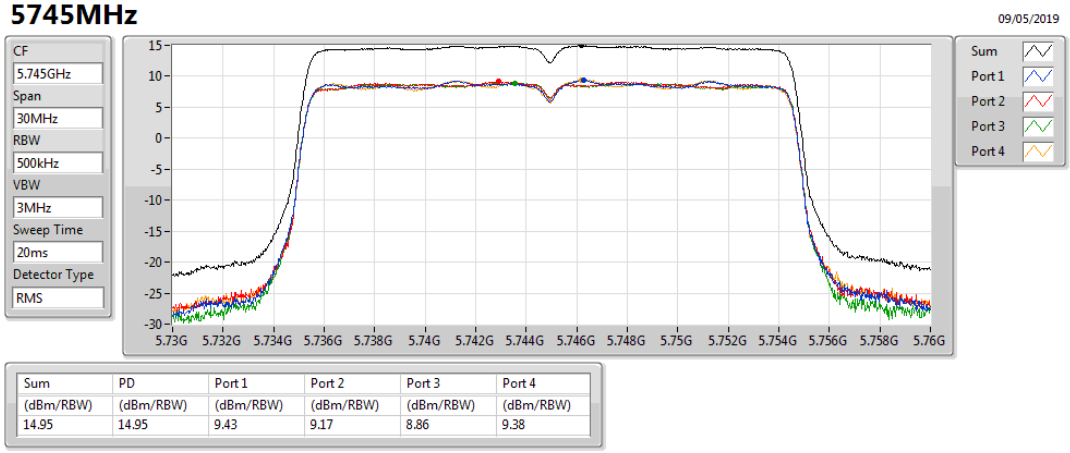
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.81	14.81	9.32	8.98	8.60	8.99

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

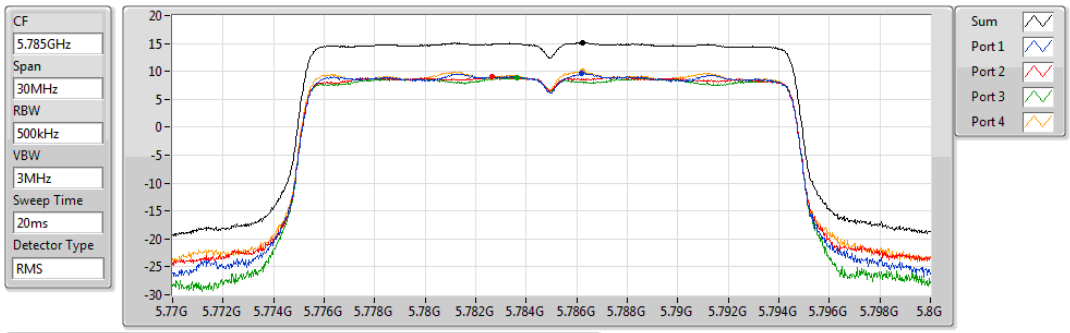
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.95	14.95	9.43	9.17	8.86	9.38

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

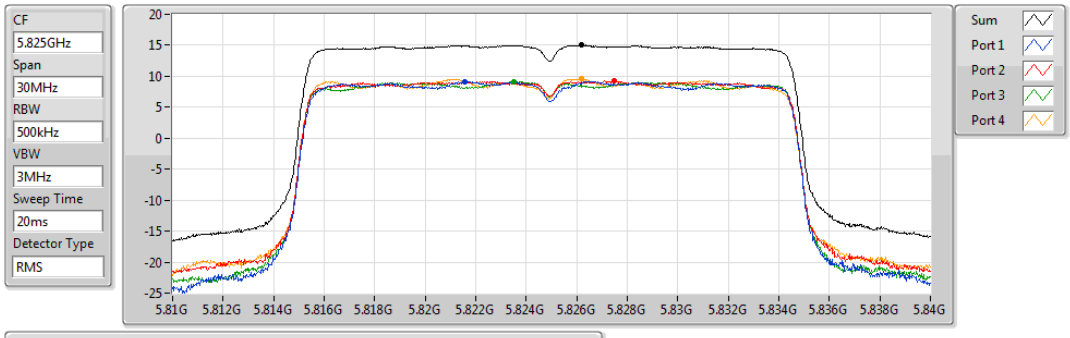
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.13	15.13	9.62	9.07	8.87	9.98

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

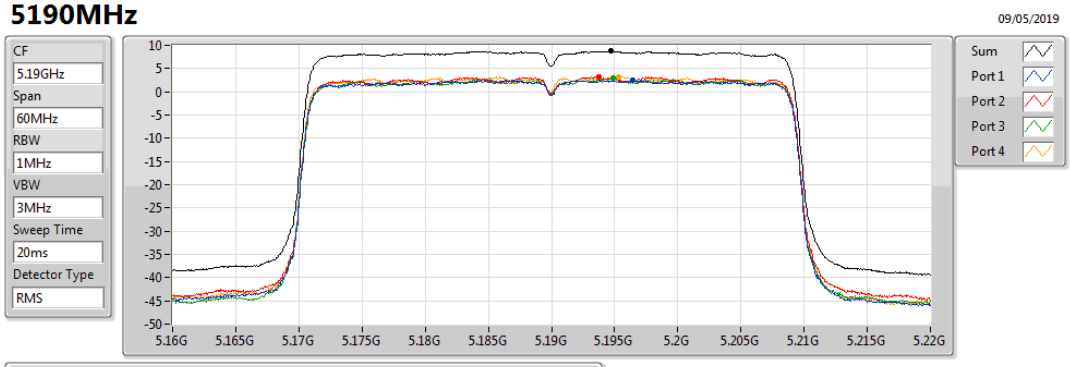
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.01	15.01	9.18	9.26	9.17	9.55

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

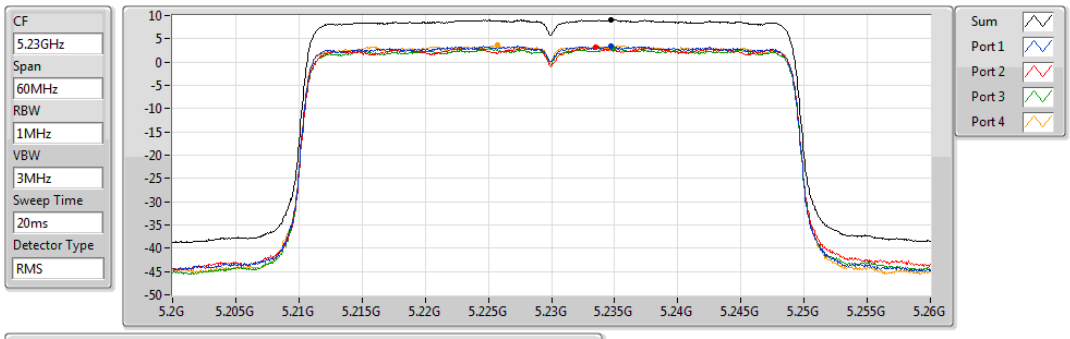
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.74	8.74	2.45	3.24	2.88	3.16

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

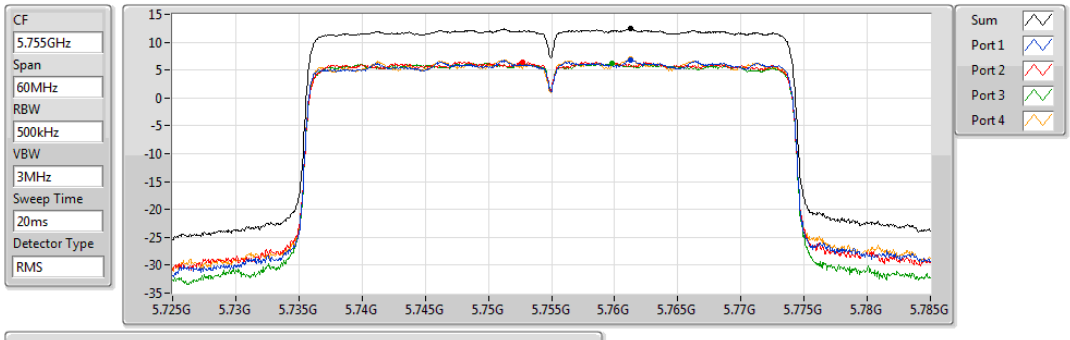
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.07	9.07	3.41	3.11	2.98	3.62

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

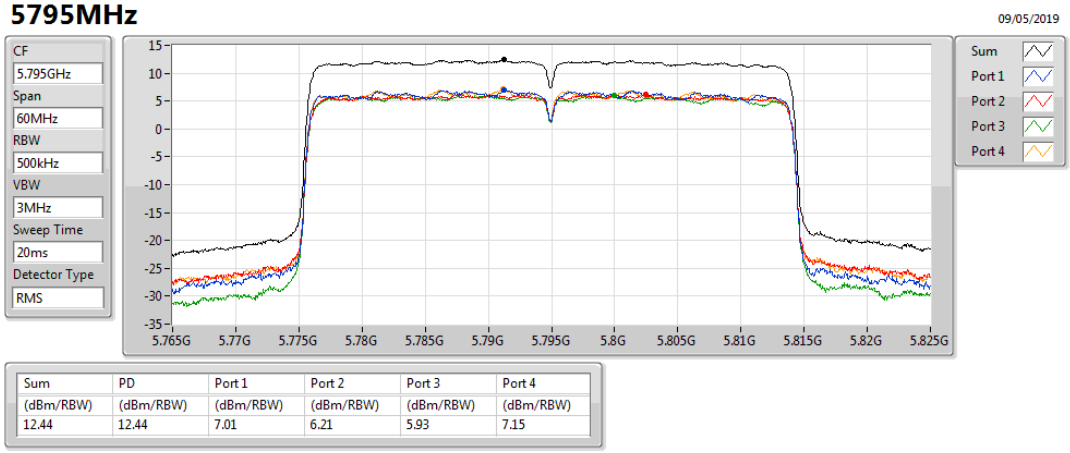
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.39	12.39	6.84	6.47	6.28	6.99

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

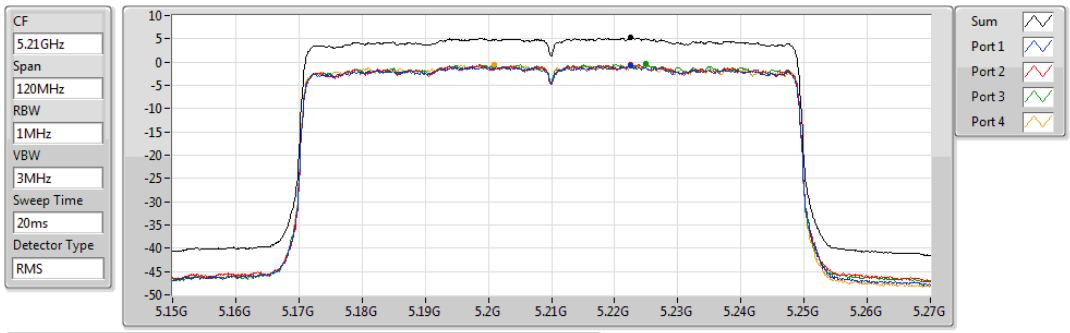
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.44	12.44	7.01	6.21	5.93	7.15

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

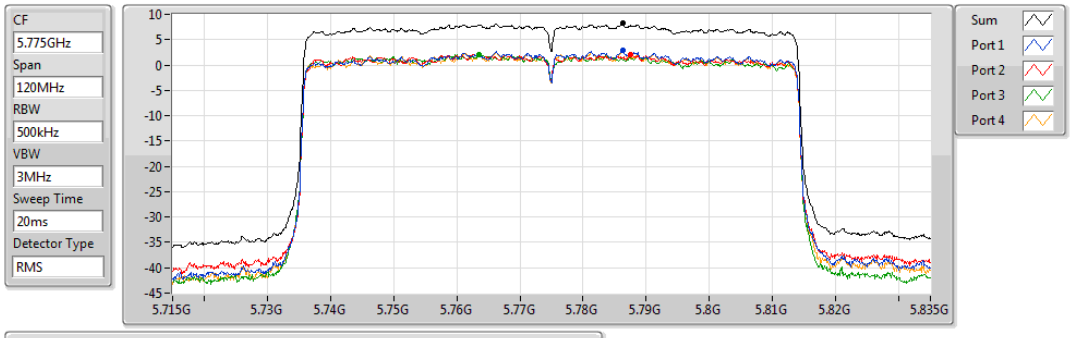
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.24	5.24	-0.81	-0.57	-0.42	-0.51

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

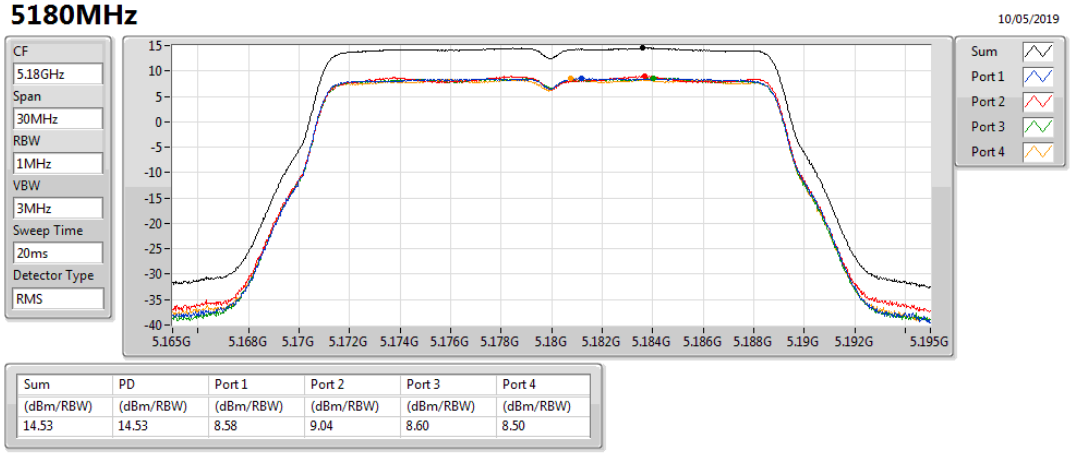
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.18	8.18	2.84	2.08	2.03	2.92

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

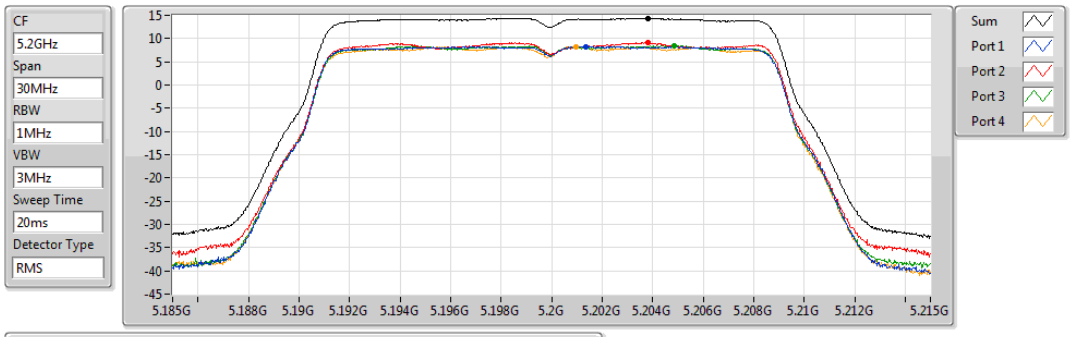
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.53	14.53	8.58	9.04	8.60	8.50

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

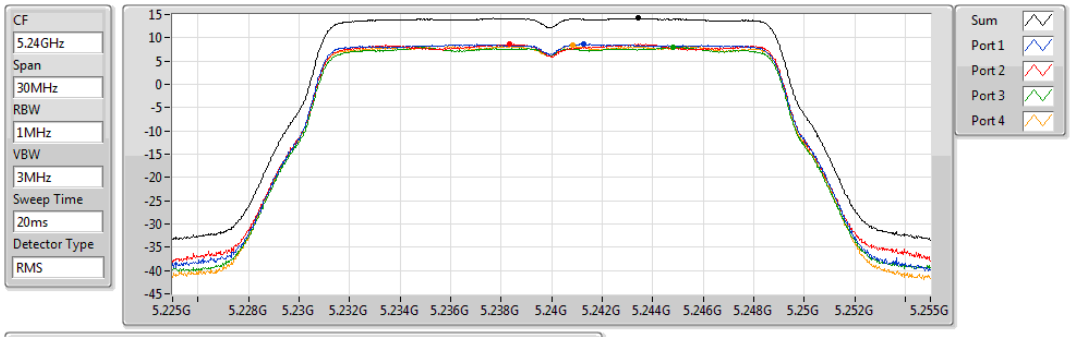
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.41	14.41	8.32	9.15	8.43	8.27

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

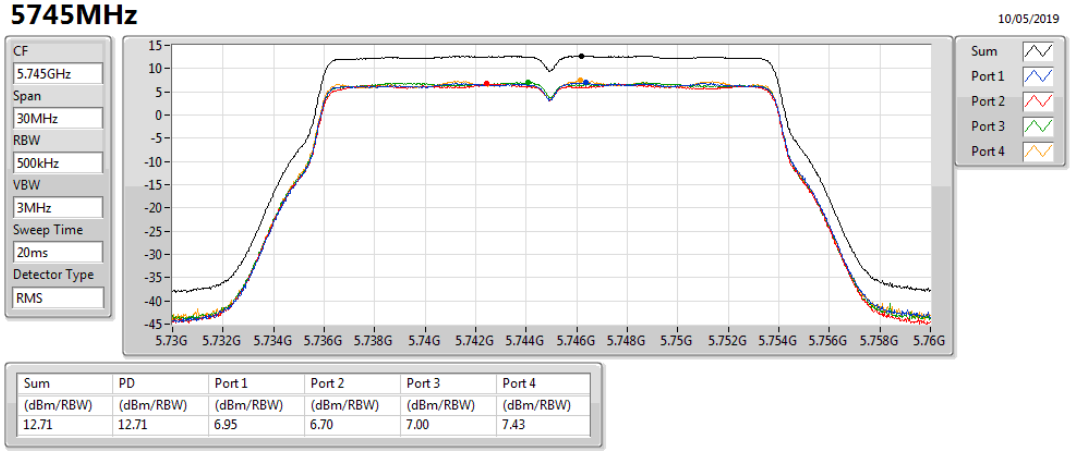
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.19	14.19	8.65	8.63	7.98	8.36

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

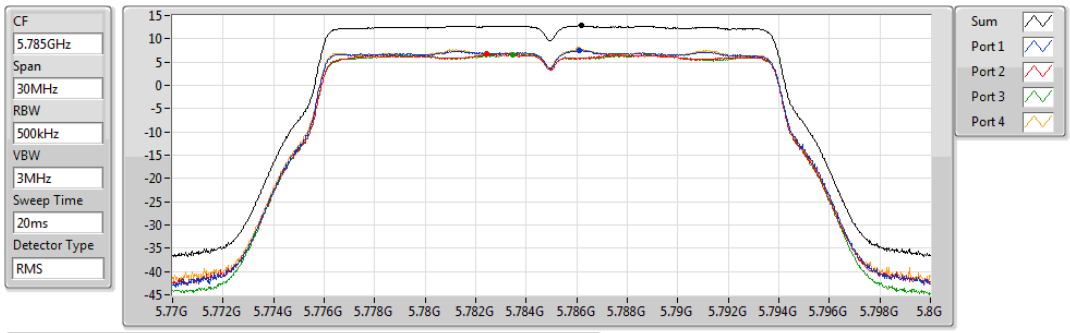
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.71	12.71	6.95	6.70	7.00	7.43

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

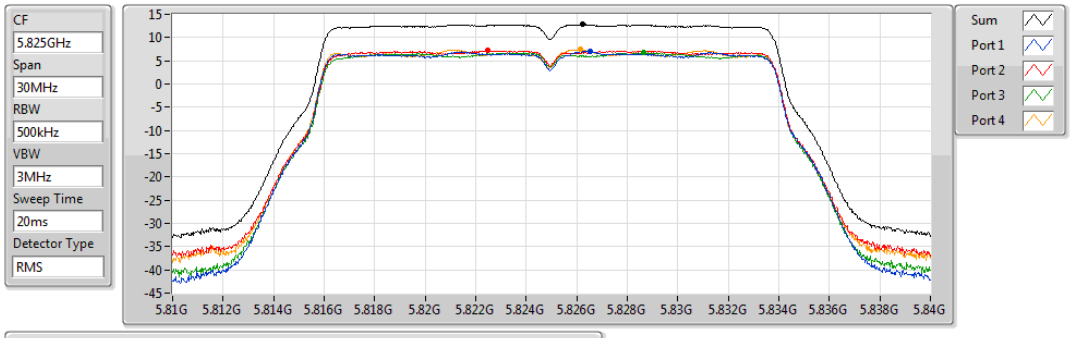
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.82	12.82	7.44	6.77	6.62	7.76

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

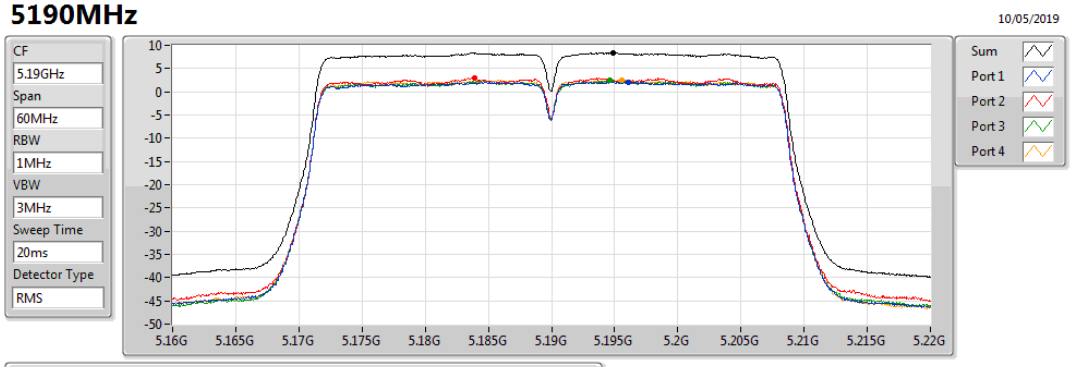
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.85	12.85	7.00	7.23	6.76	7.42

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

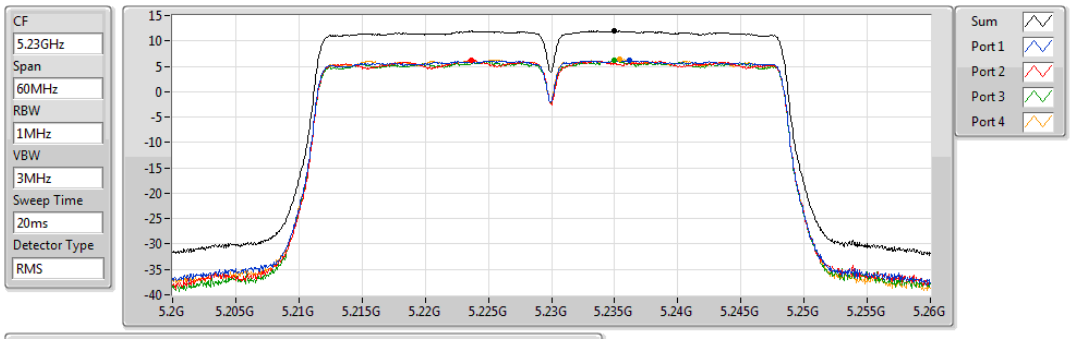
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.34	8.34	2.09	2.99	2.42	2.55

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

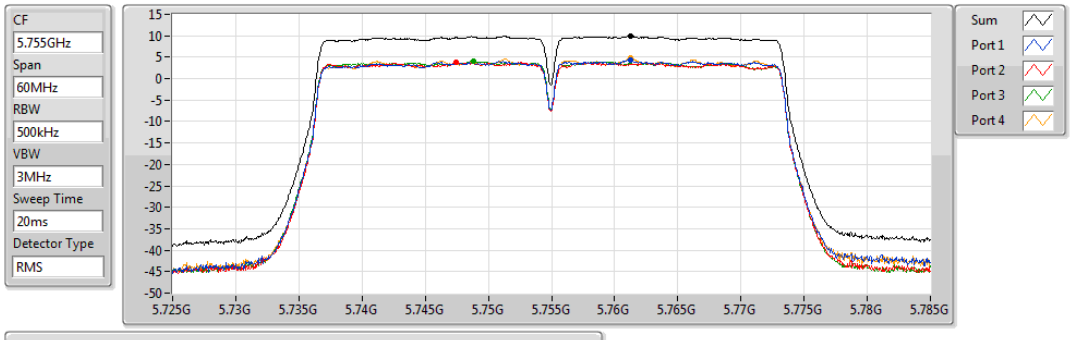
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.96	11.96	6.13	6.23	6.16	6.44

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

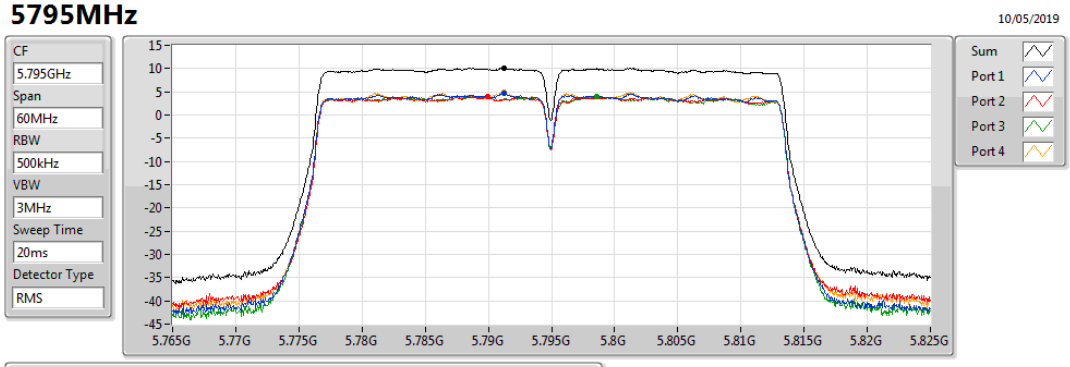
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.01	10.01	4.36	3.95	4.07	4.76

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

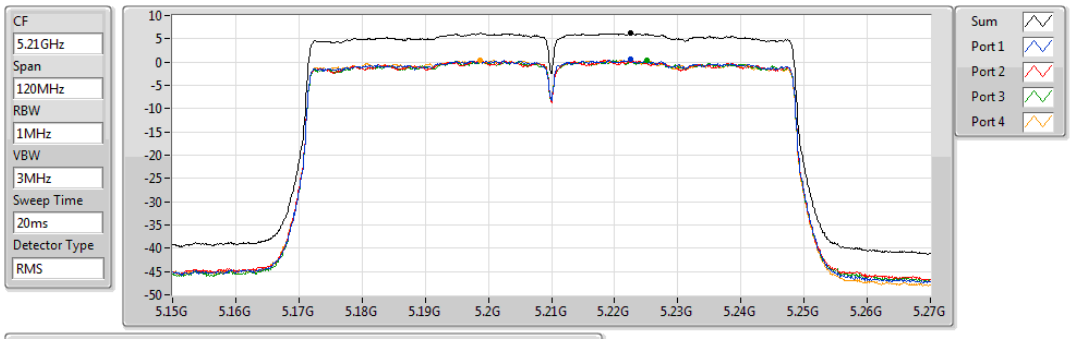
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.14	10.14	4.59	3.93	4.10	4.89

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

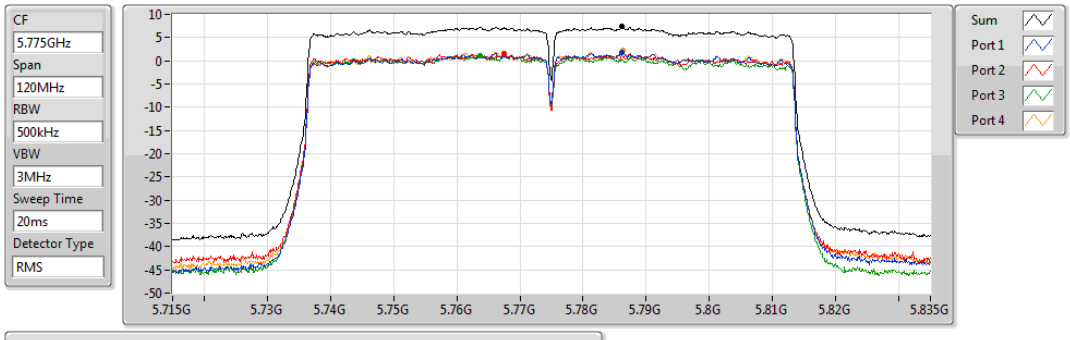
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.32	6.32	0.52	0.47	0.30	0.43

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

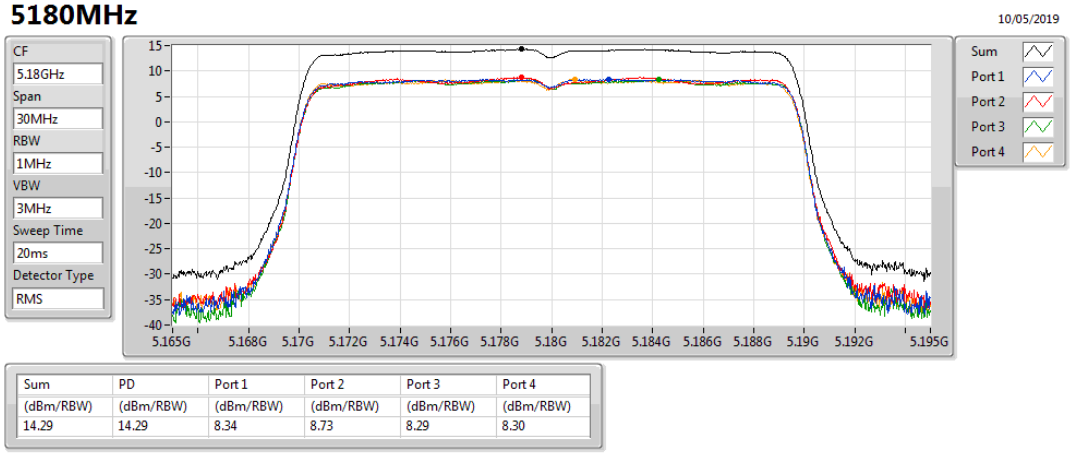
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	7.34	1.85	1.57	1.13	2.17

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

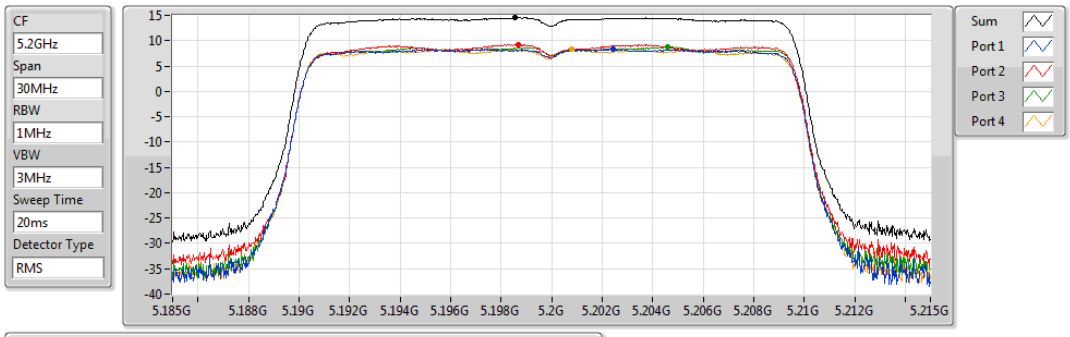
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.29	14.29	8.34	8.73	8.29	8.30

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

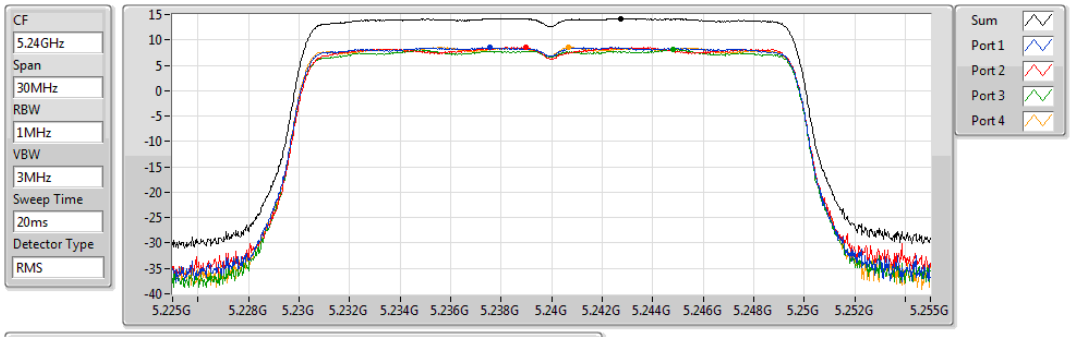
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.53	14.53	8.35	9.21	8.75	8.42

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

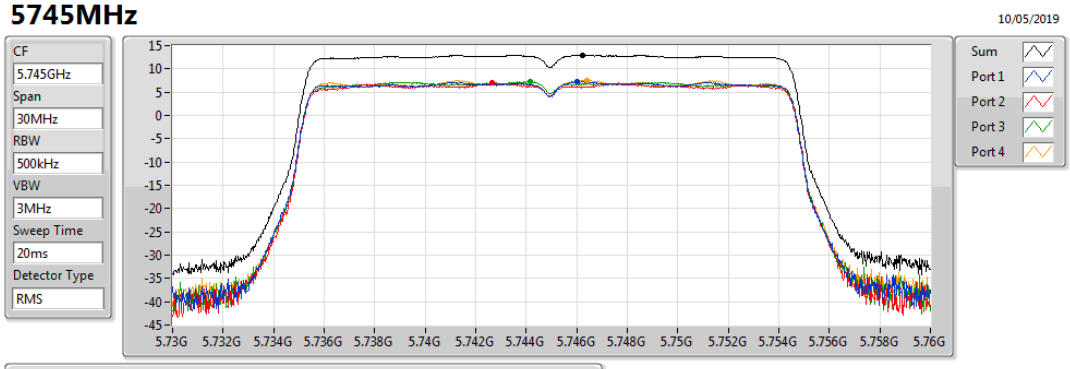
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.22	14.22	8.58	8.49	8.12	8.64

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

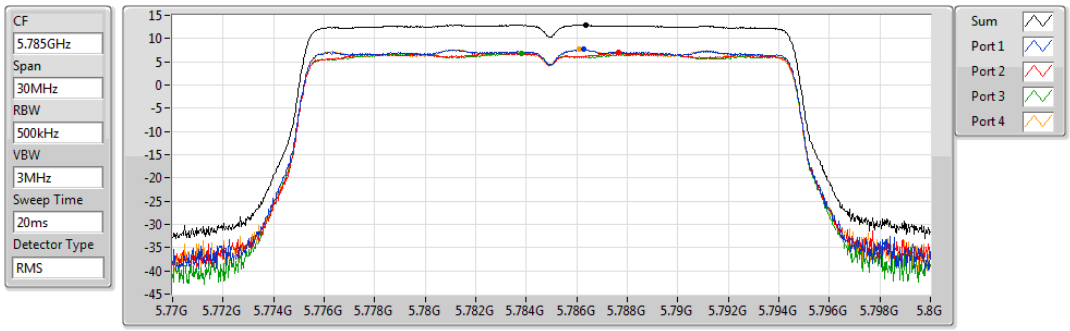
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.96	12.96	7.28	6.96	7.21	7.57

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

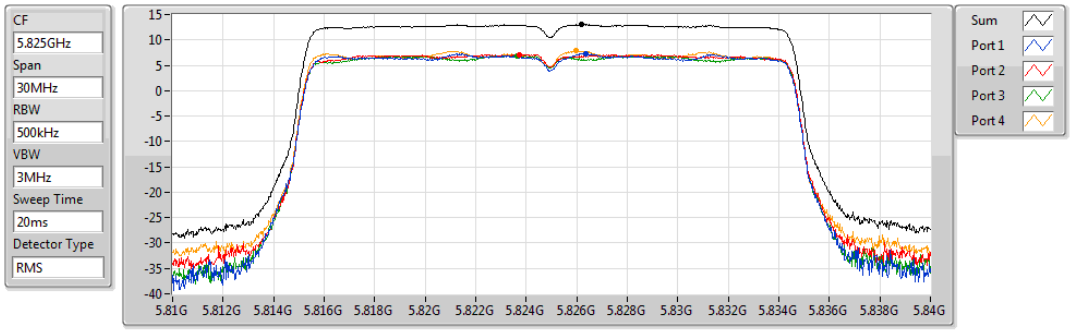
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.94	12.94	7.67	6.95	6.80	7.62

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

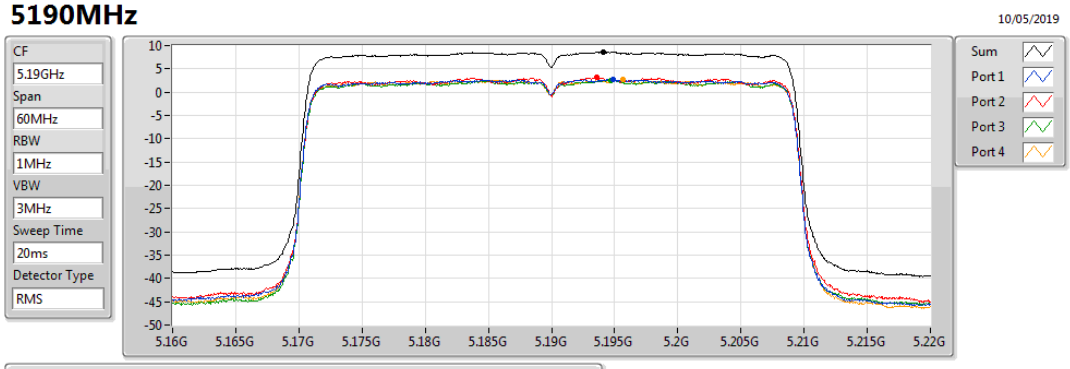
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.04	13.04	7.32	7.09	6.90	7.83

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

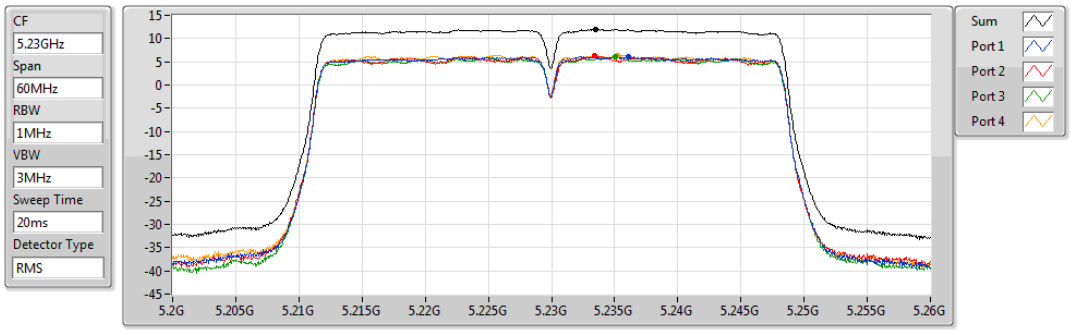
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.59	8.59	2.76	3.17	2.59	2.65

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

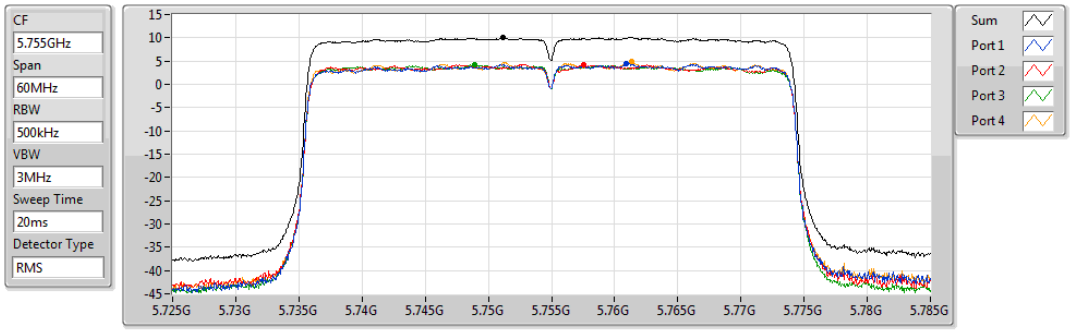
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.99	11.99	6.11	6.25	6.00	6.41

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.07	10.07	4.43	4.28	4.19	4.81

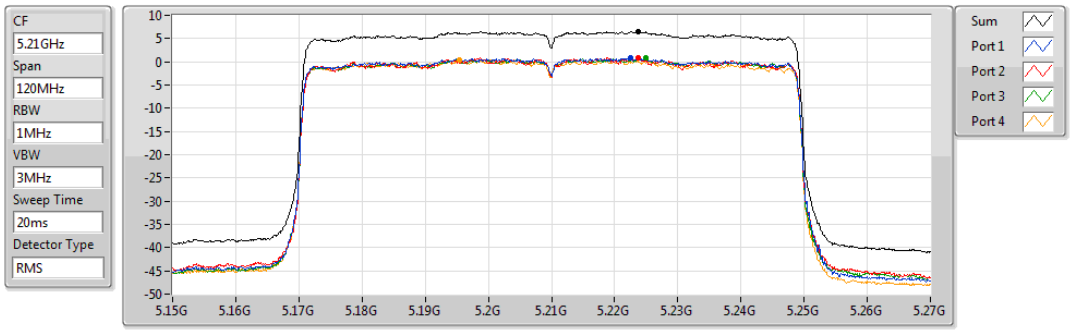
802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

5795MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.25	10.25	4.62	4.06	4.07	5.07

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

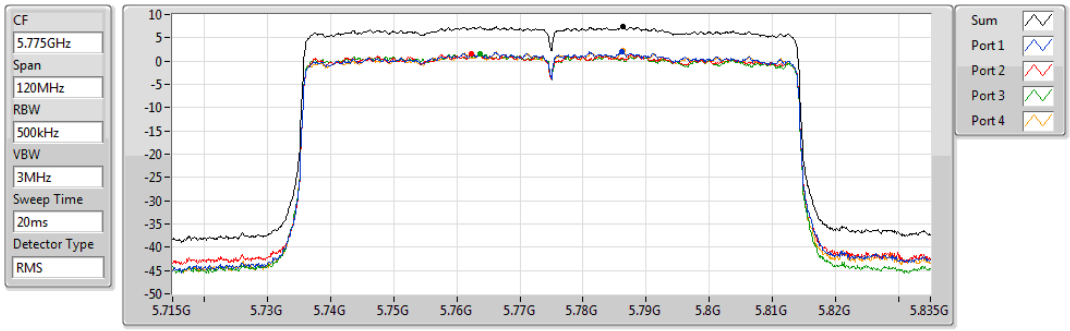
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	0.83	0.86	0.86	0.39

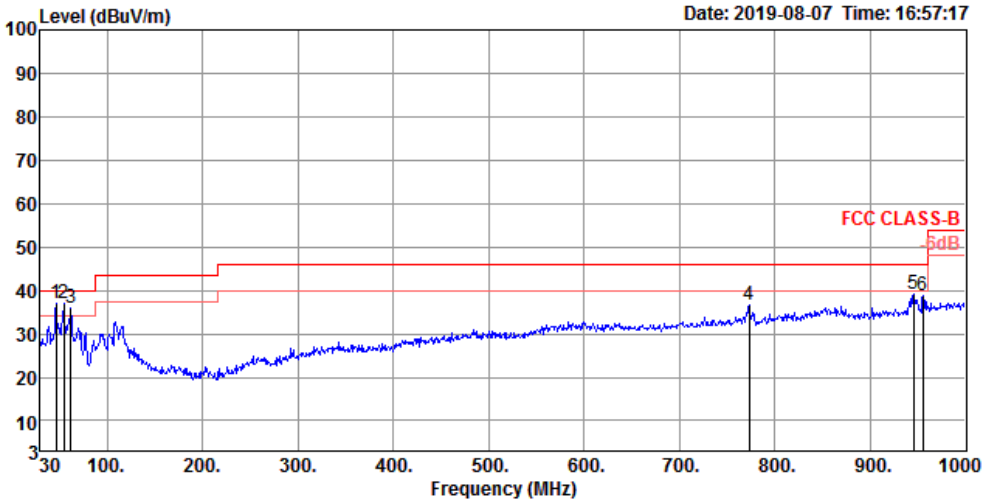
802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	2.10	1.50	1.45	2.17

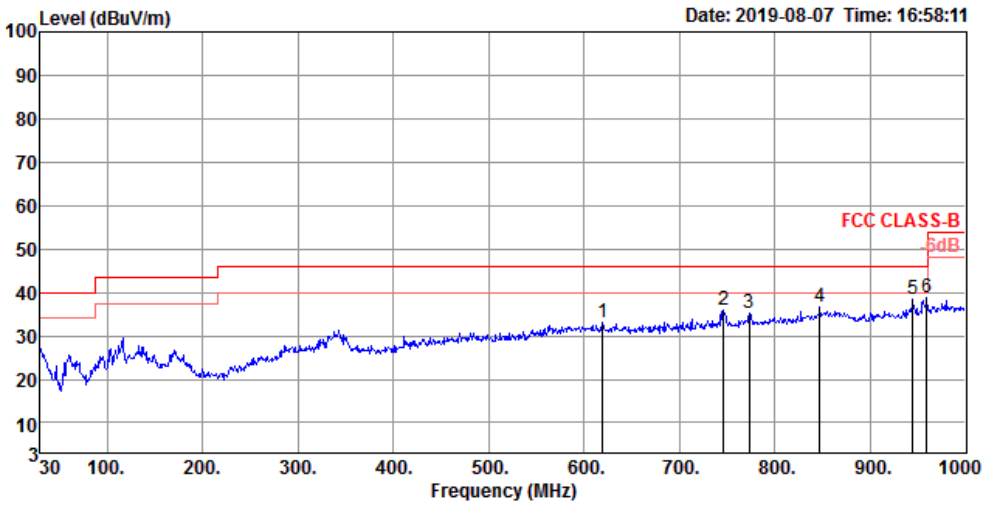
RSE below 1GHz Result			
Operating Mode	4	**Polarization**	Vertical
Operating Function	CTX		



	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	46.49	36.85	40.00	-3.15	52.88	1.27	15.40	32.70	125	267	Peak	VERTICAL
2	54.25	36.93	40.00	-3.07	55.48	1.37	12.73	32.65	150	356	Peak	VERTICAL
3	62.01	35.87	40.00	-4.13	54.85	1.46	12.05	32.49	200	354	Peak	VERTICAL
4	773.02	36.73	46.00	-9.27	37.83	5.55	25.54	32.19	300	268	Peak	VERTICAL
5	945.68	39.11	46.00	-6.89	37.88	6.24	26.42	31.43	300	61	Peak	VERTICAL
6	955.38	38.71	46.00	-7.29	37.24	6.28	26.52	31.33	100	184	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	4	**Polarization**	Horizontal
Operating Function	CTX		



	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	619.76	33.05	46.00	-12.95	35.96	4.94	24.50	32.35	300	87	Peak	HORIZONTAL
2	745.86	36.04	46.00	-9.96	37.36	5.45	25.33	32.10	125	283	Peak	HORIZONTAL
3	773.02	35.35	46.00	-10.65	36.45	5.55	25.54	32.19	150	8	Peak	HORIZONTAL
4	846.74	36.57	46.00	-9.43	36.49	5.84	25.99	31.75	200	164	Peak	HORIZONTAL
5	944.71	38.41	46.00	-7.59	37.19	6.24	26.41	31.43	100	356	Peak	HORIZONTAL
6	959.26	38.89	46.00	-7.11	37.32	6.30	26.56	31.29	100	215	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.)

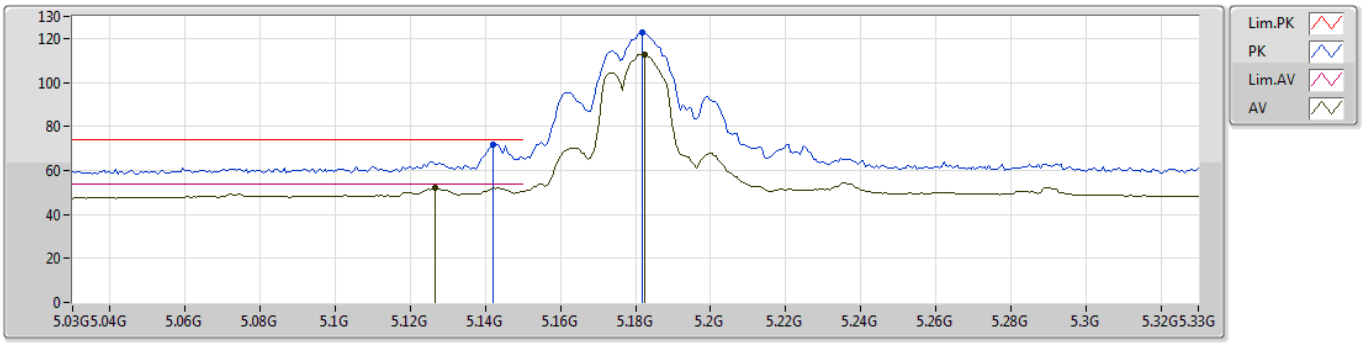
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	5.354G	52.98	54.00	-1.02	7.55	3	Vertical	68	1.90	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

02/05/2019



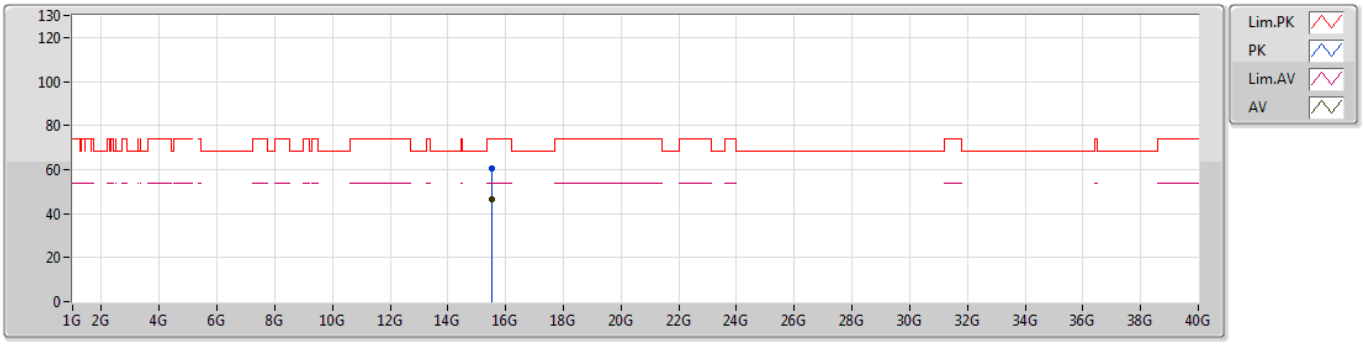
EUT Z_4TX
Setting 95
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1422G	71.84	74.00	-2.16	7.27	3	Vertical	244	2.80	-
AV	5.1266G	52.33	54.00	-1.67	7.24	3	Vertical	244	2.80	-
PK	5.1818G	122.46	Inf	-Inf	7.33	3	Vertical	244	2.80	-
AV	5.1824G	112.81	Inf	-Inf	7.33	3	Vertical	244	2.80	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

02/05/2019



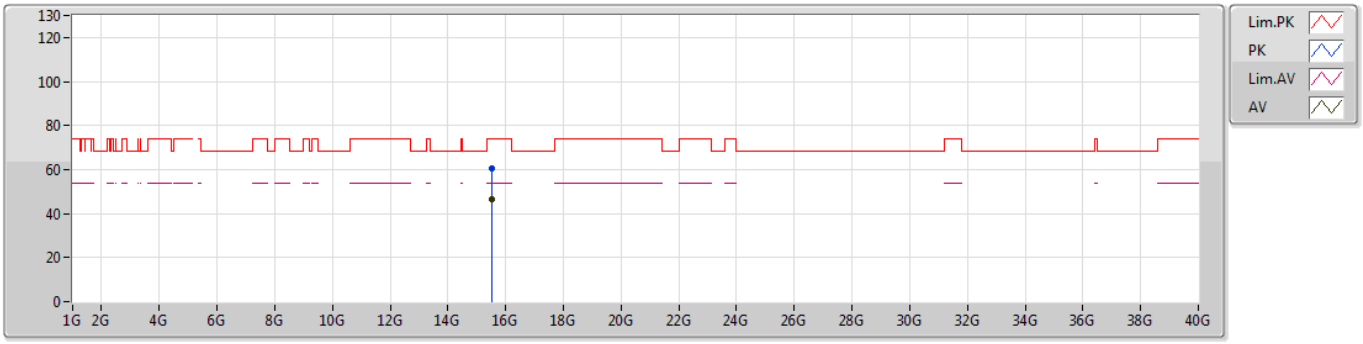
EUT Z_4TX
Setting 95
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.54268G	60.52	74.00	-13.48	17.22	3	Vertical	11	1.50	-
AV	15.53016G	46.75	54.00	-7.25	17.24	3	Vertical	11	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5180MHz_TX

02/05/2019



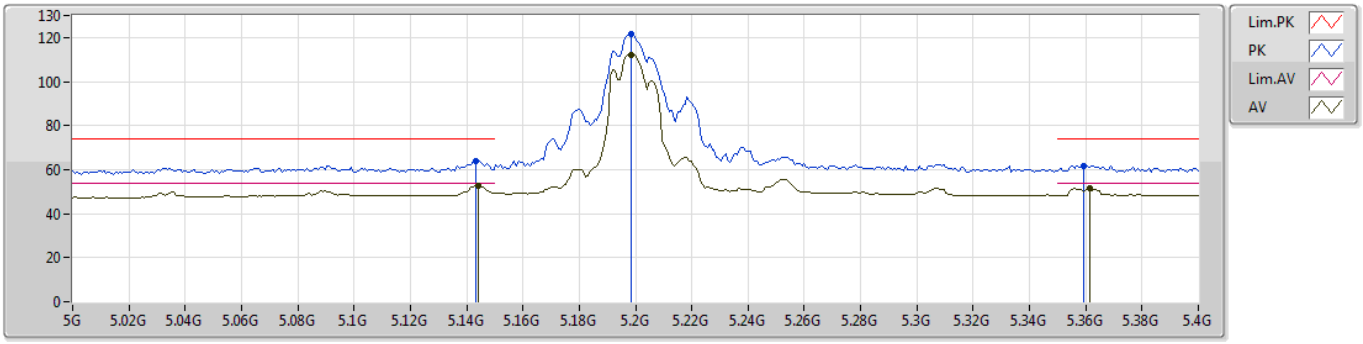
EUT Z_4TX
Setting 95
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53008G	60.73	74.00	-13.27	17.24	3	Horizontal	272	1.50	-
AV	15.54028G	46.48	54.00	-7.52	17.23	3	Horizontal	272	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

02/05/2019



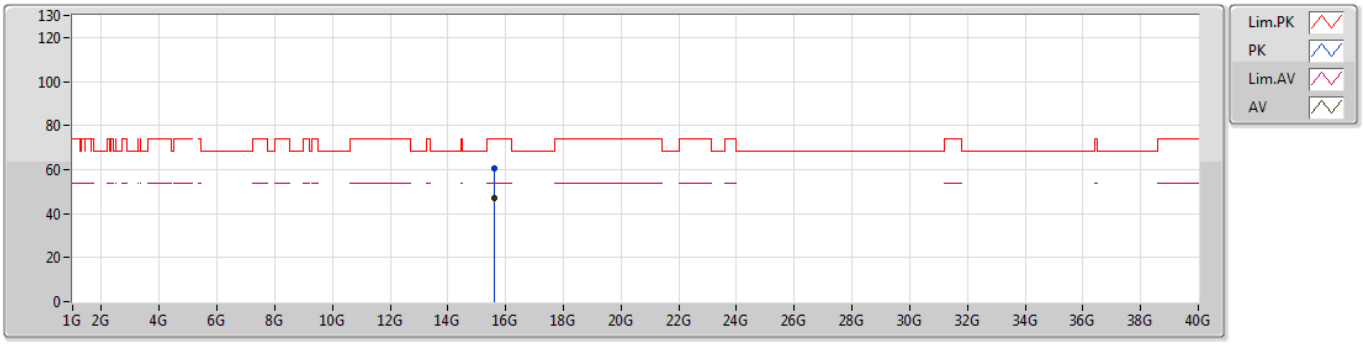
EUT Z_4TX
Setting 91
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1432G	64.15	74.00	-9.85	7.27	3	Vertical	215	1.84	-
AV	5.144G	52.79	54.00	-1.21	7.27	3	Vertical	215	1.84	-
PK	5.1984G	121.33	Inf	-Inf	7.36	3	Vertical	215	1.84	-
AV	5.1984G	112.34	Inf	-Inf	7.36	3	Vertical	215	1.84	-
PK	5.3592G	61.70	74.00	-12.30	7.57	3	Vertical	215	1.84	-
AV	5.3616G	51.55	54.00	-2.45	7.57	3	Vertical	215	1.84	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

02/05/2019



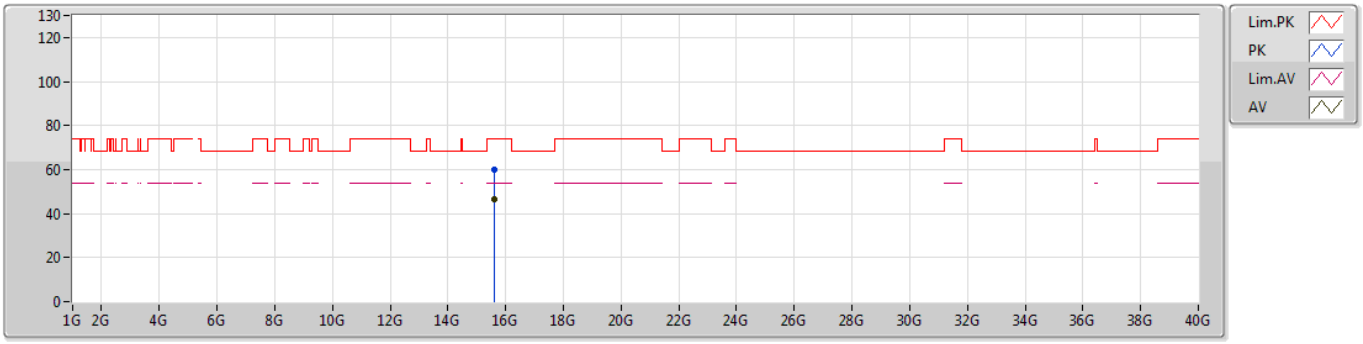
EUT Z_4TX
Setting 91
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.60272G	60.56	74.00	-13.44	17.15	3	Vertical	5	1.50	-
AV	15.59752G	46.88	54.00	-7.12	17.15	3	Vertical	5	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5200MHz_TX

02/05/2019



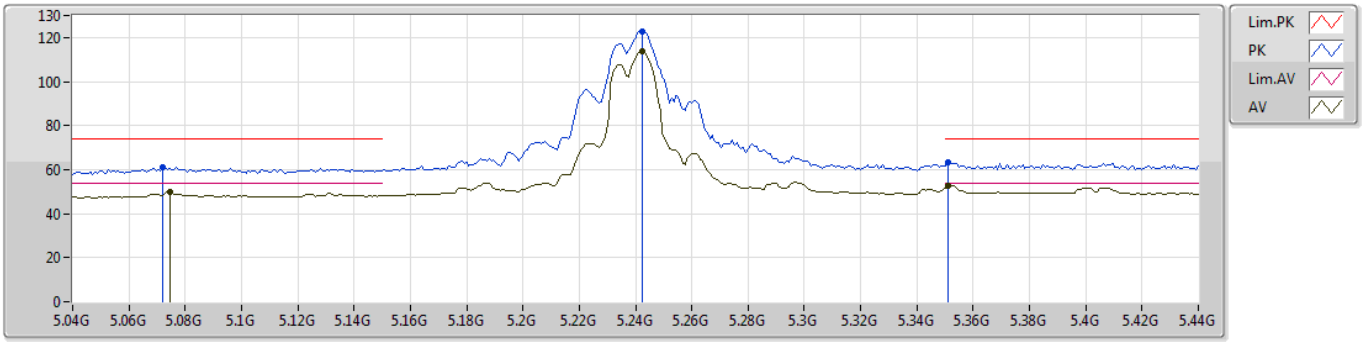
EUT Z_4TX
Setting 91
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.59704G	60.09	74.00	-13.91	17.15	3	Horizontal	190	1.50	-
AV	15.601G	46.64	54.00	-7.36	17.15	3	Horizontal	190	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

02/05/2019



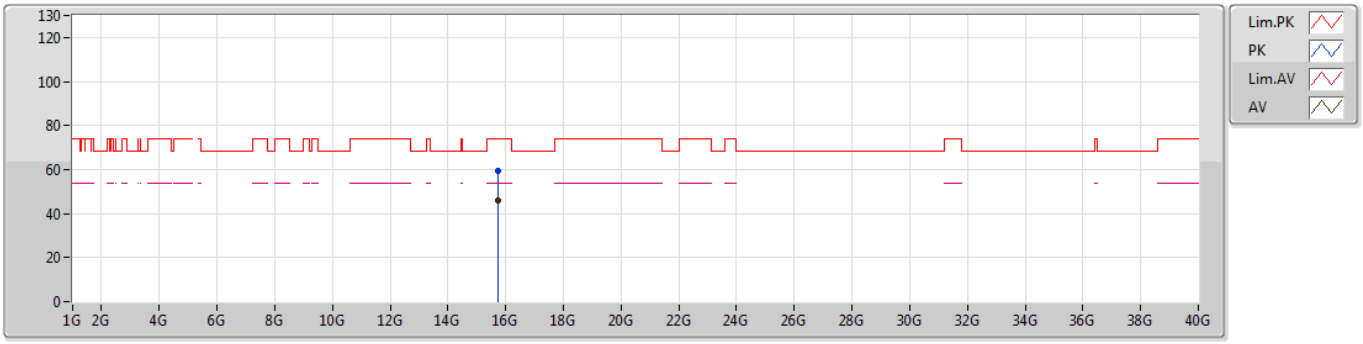
EUT Z_4TX
Setting 97
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.072G	61.10	74.00	-12.90	7.15	3	Vertical	245	2.75	-
AV	5.0744G	50.01	54.00	-3.99	7.15	3	Vertical	245	2.75	-
PK	5.2424G	122.98	Inf	-Inf	7.42	3	Vertical	245	2.75	-
AV	5.2424G	113.50	Inf	-Inf	7.42	3	Vertical	245	2.75	-
PK	5.3512G	63.04	74.00	-10.96	7.55	3	Vertical	245	2.75	-
AV	5.3512G	52.78	54.00	-1.22	7.55	3	Vertical	245	2.75	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

02/05/2019



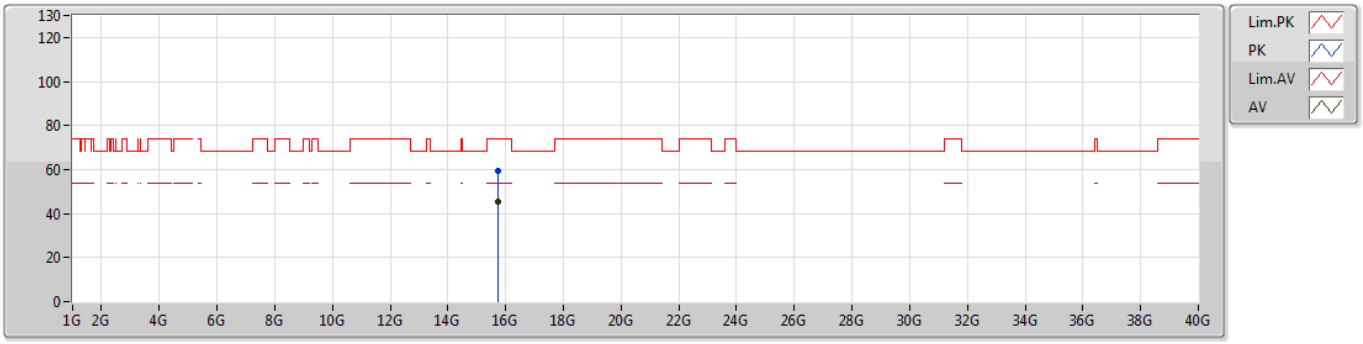
EUT Z_4TX
Setting 97
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72108G	59.56	74.00	-14.44	16.91	3	Vertical	216	1.50	-
AV	15.71724G	45.72	54.00	-8.28	16.91	3	Vertical	216	1.50	-

802.11a_Nss1,(6Mbps)_4TX

5240MHz_TX

02/05/2019



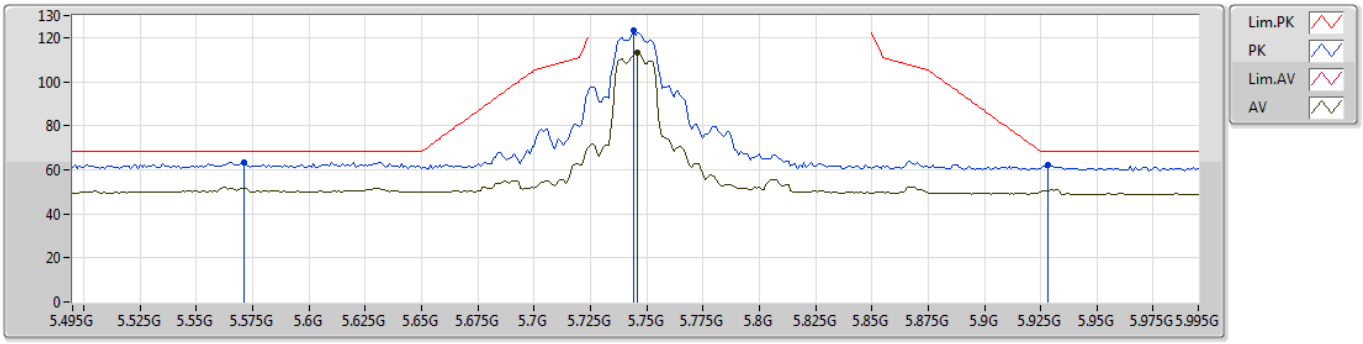
EUT Z_4TX
Setting 97
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.71592G	59.21	74.00	-14.79	16.91	3	Horizontal	72	2.33	-
AV	15.7212G	45.49	54.00	-8.51	16.91	3	Horizontal	72	2.33	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

02/05/2019



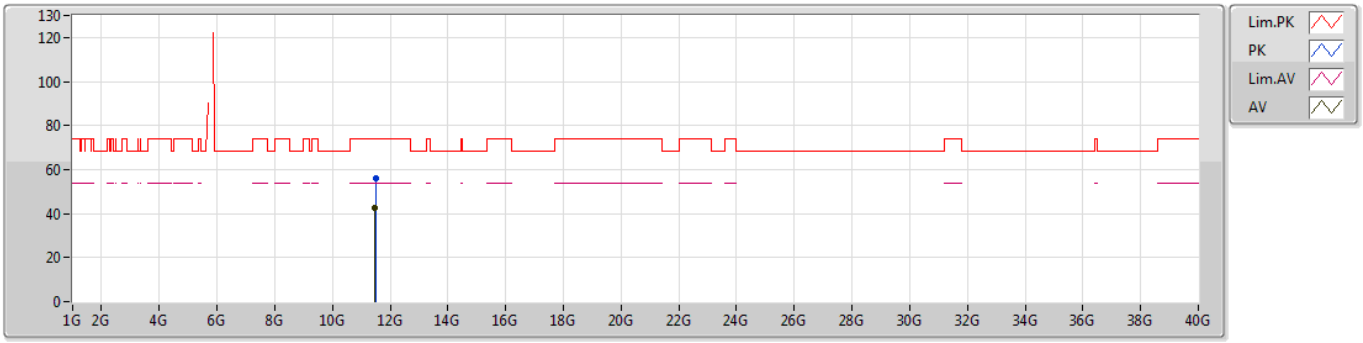
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.571G	63.55	68.20	-4.65	7.89	3	Vertical	268	1.78	-
PK	5.744G	123.10	Inf	-Inf	8.18	3	Vertical	268	1.78	-
AV	5.746G	113.06	Inf	-Inf	8.18	3	Vertical	268	1.78	-
PK	5.928G	62.46	68.20	-5.74	8.56	3	Vertical	268	1.78	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

02/05/2019



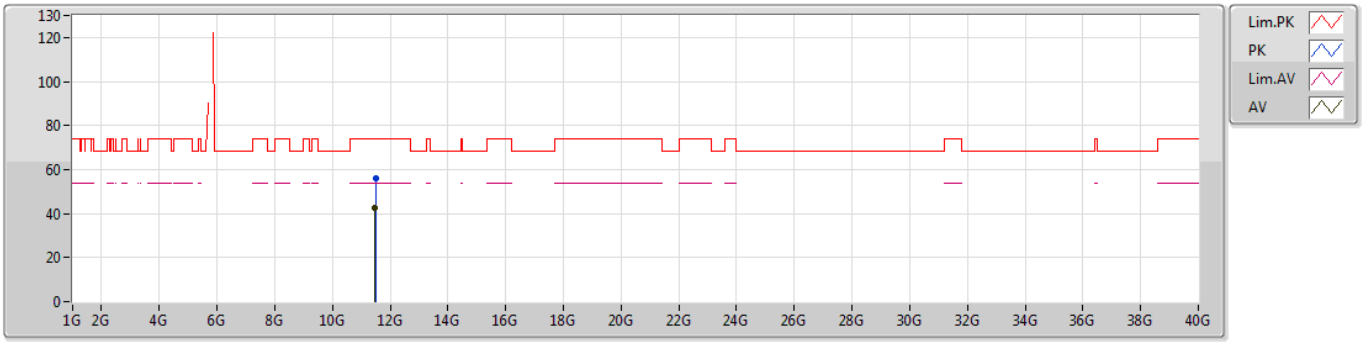
EUT Z_4TX
Setting 100
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49276G	56.27	74.00	-17.73	16.96	3	Vertical	72	2.28	-
AV	11.4848G	42.34	54.00	-11.66	16.95	3	Vertical	72	2.28	-

802.11a_Nss1,(6Mbps)_4TX

5745MHz_TX

02/05/2019



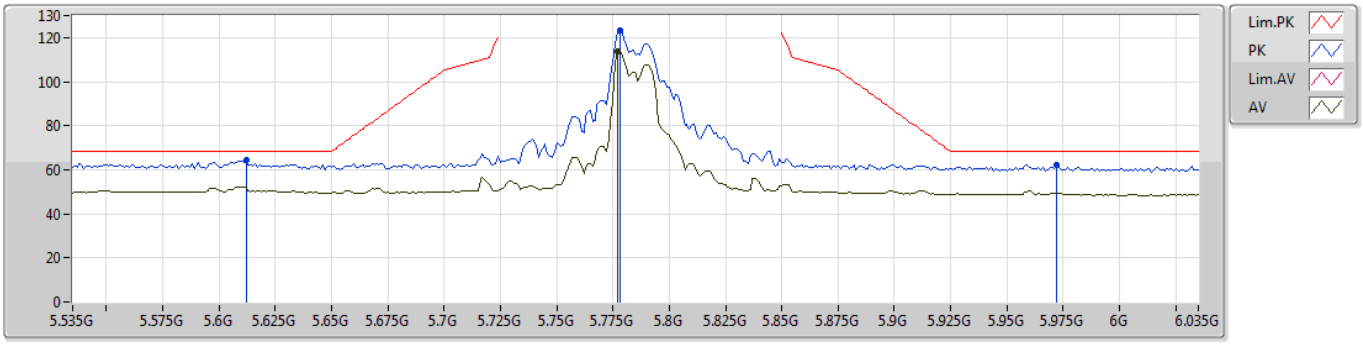
EUT Z_4TX
Setting 100
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48972G	56.19	74.00	-17.81	16.95	3	Horizontal	319	1.27	-
AV	11.48156G	42.52	54.00	-11.48	16.95	3	Horizontal	319	1.27	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

02/05/2019



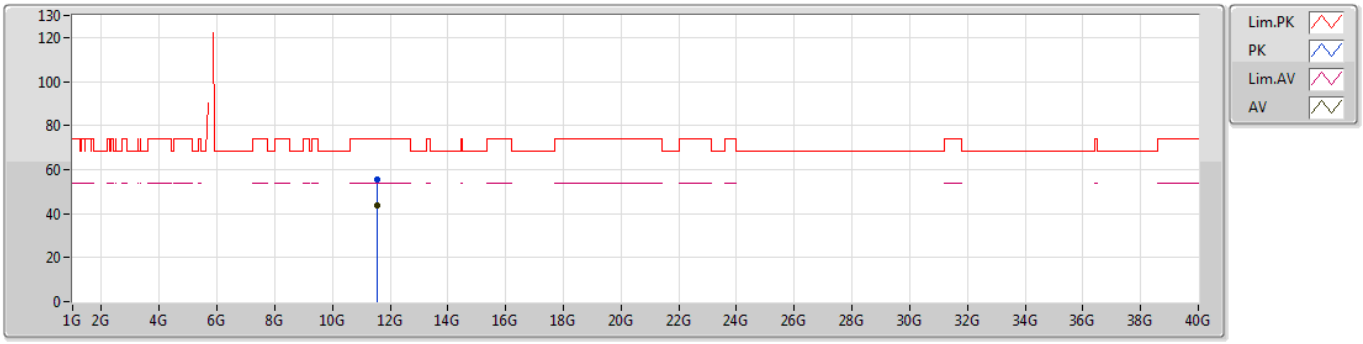
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.612G	64.30	68.20	-3.90	7.98	3	Vertical	87	1.96	-
PK	5.778G	123.01	Inf	-Inf	8.24	3	Vertical	87	1.96	-
AV	5.777G	113.87	Inf	-Inf	8.24	3	Vertical	87	1.96	-
PK	5.972G	62.17	68.20	-6.03	8.66	3	Vertical	87	1.96	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

13/07/2019



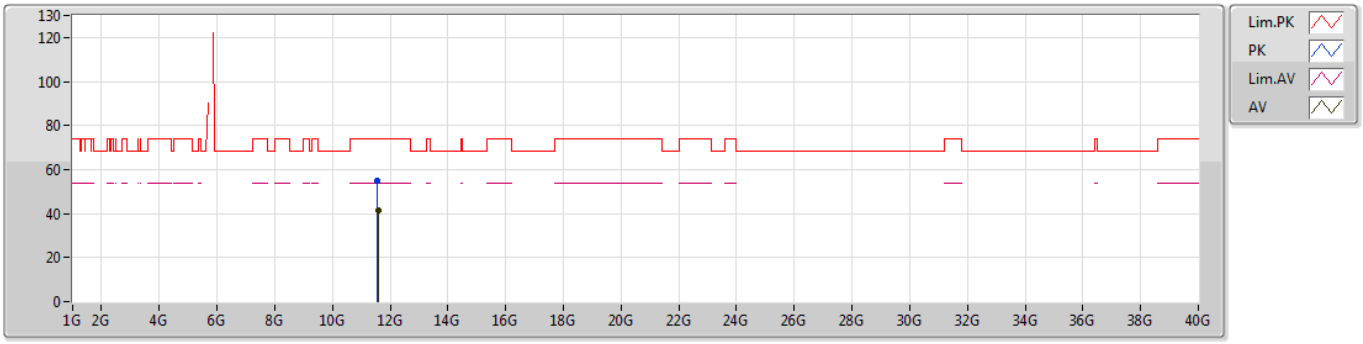
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56664G	55.64	74.00	-18.36	11.96	3	Vertical	360	2.29	-
AV	11.56982G	43.55	54.00	-10.45	11.95	3	Vertical	360	2.29	-

802.11a_Nss1,(6Mbps)_4TX

5785MHz_TX

13/07/2019



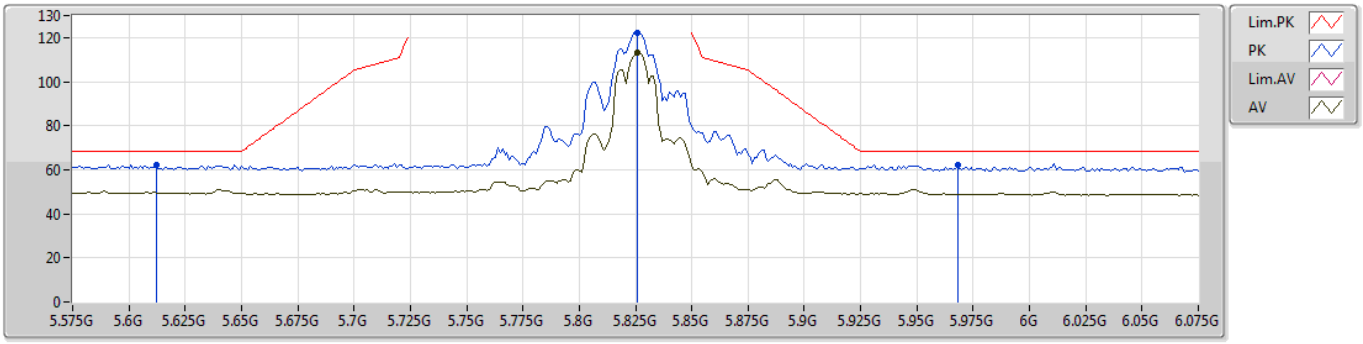
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56838G	54.88	74.00	-19.12	11.95	3	Horizontal	149	2.02	-
AV	11.58416G	41.49	54.00	-12.51	11.97	3	Horizontal	149	2.02	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

02/05/2019



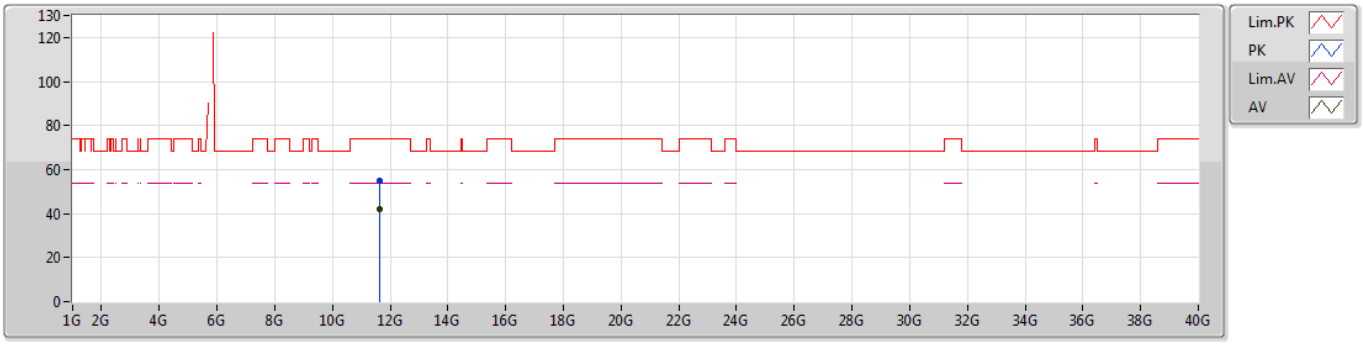
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.612G	62.28	68.20	-5.92	7.98	3	Vertical	264	1.74	-
PK	5.826G	122.38	Inf	-Inf	8.33	3	Vertical	264	1.74	-
AV	5.826G	113.21	Inf	-Inf	8.33	3	Vertical	264	1.74	-
PK	5.968G	62.18	68.20	-6.02	8.65	3	Vertical	264	1.74	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

13/07/2019



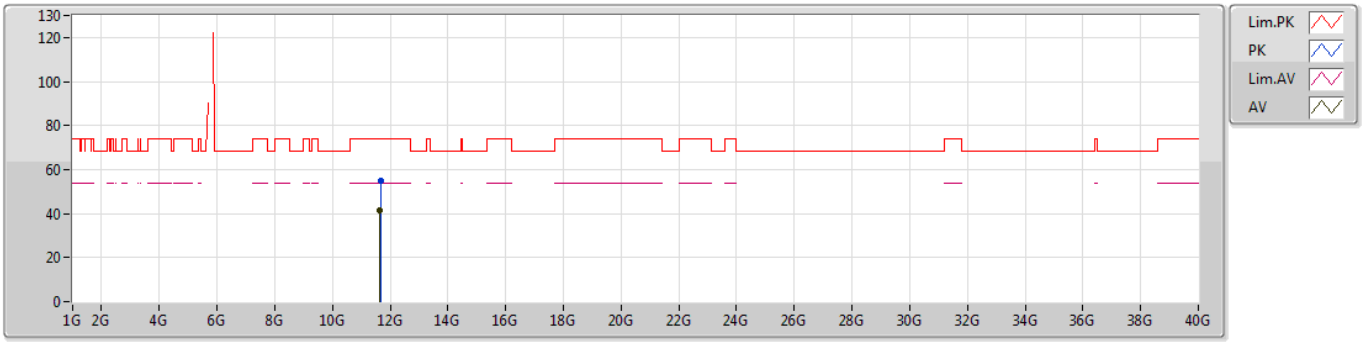
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.63848G	55.09	74.00	-18.91	11.99	3	Vertical	358	1.54	-
AV	11.64994G	41.88	54.00	-12.12	11.99	3	Vertical	358	1.54	-

802.11a_Nss1,(6Mbps)_4TX

5825MHz_TX

13/07/2019



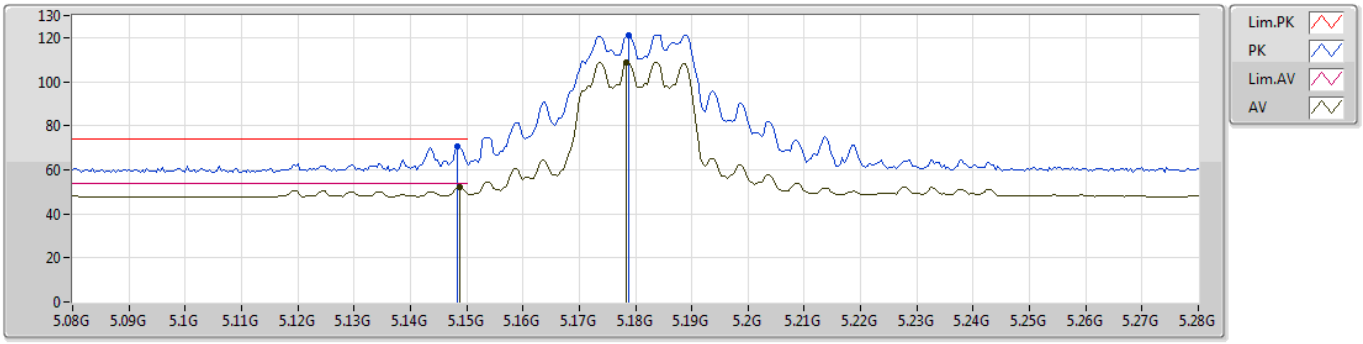
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.66374G	54.81	74.00	-19.19	12.00	3	Horizontal	202	2.46	-
AV	11.6431G	41.66	54.00	-12.34	11.99	3	Horizontal	202	2.46	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5180MHz_TX

02/05/2019



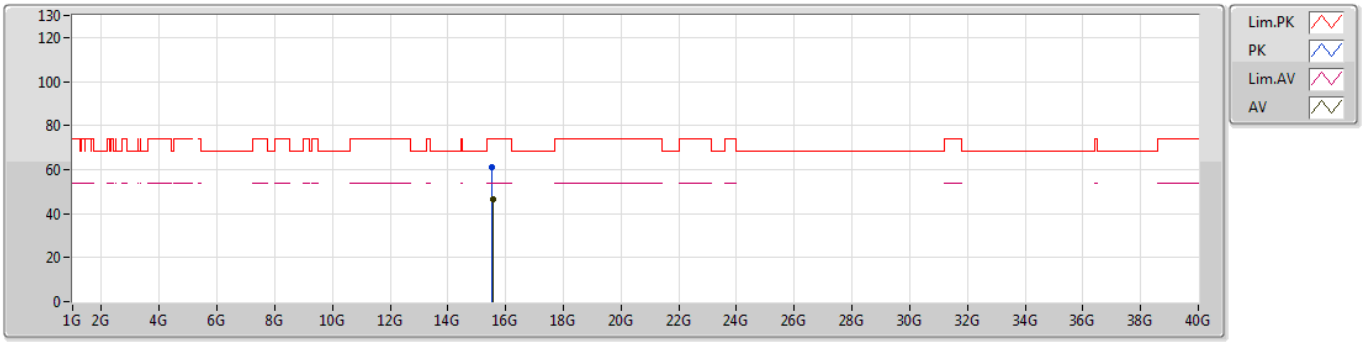
EUT Z_4TX
Setting 86
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	70.82	74.00	-3.18	7.27	3	Vertical	0	1.94	-
AV	5.1488G	52.08	54.00	-1.92	7.27	3	Vertical	0	1.94	-
PK	5.1788G	121.26	Inf	-Inf	7.33	3	Vertical	0	1.94	-
AV	5.1784G	108.57	Inf	-Inf	7.33	3	Vertical	0	1.94	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5180MHz_TX



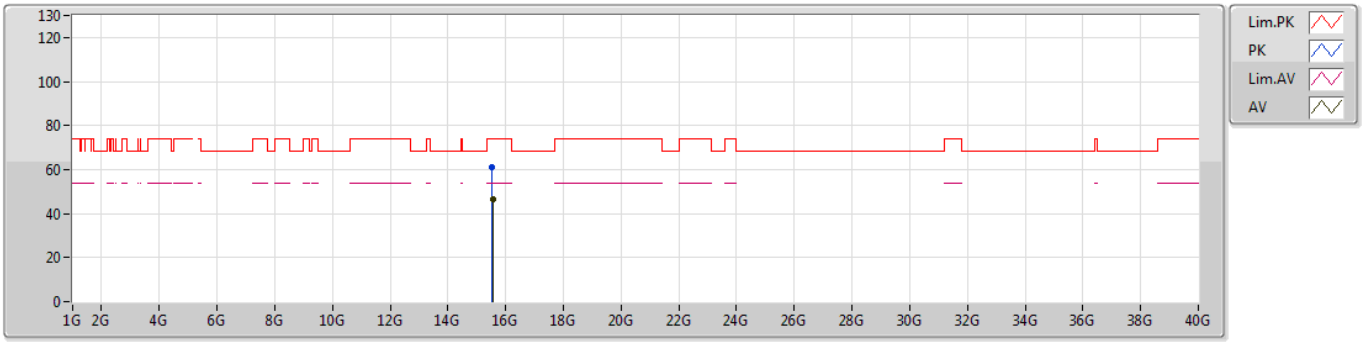
EUT Z_4TX
Setting 86
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53982G	60.80	74.00	-13.20	14.46	3	Vertical	59	1.50	-
AV	15.54506G	46.50	54.00	-7.50	14.45	3	Vertical	59	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5180MHz_TX



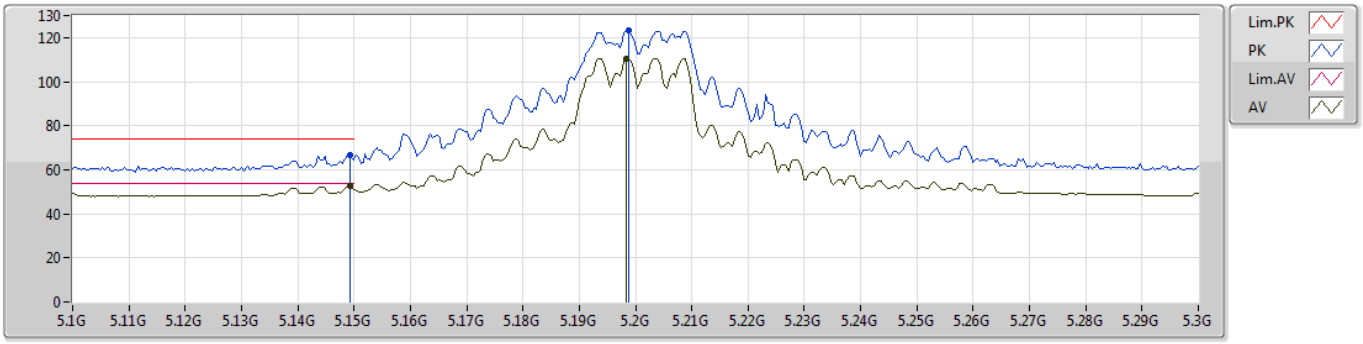
EUT Z_4TX
Setting 86
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.54042G	60.96	74.00	-13.04	14.46	3	Horizontal	357	2.40	-
AV	15.5474G	46.49	54.00	-7.51	14.45	3	Horizontal	357	2.40	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

02/05/2019



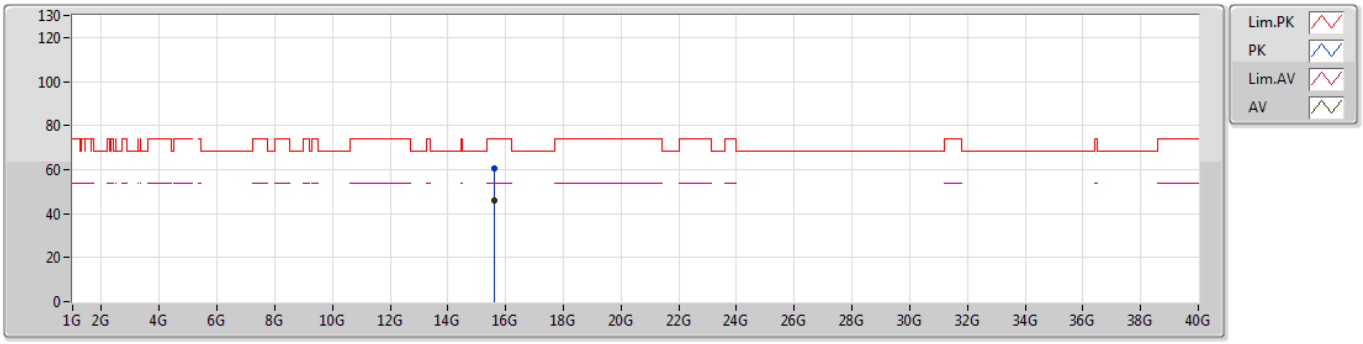
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1492G	66.89	74.00	-7.11	7.27	3	Vertical	14	1.50	-
AV	5.1492G	52.52	54.00	-1.48	7.27	3	Vertical	14	1.50	-
PK	5.1988G	123.02	Inf	-Inf	7.36	3	Vertical	14	1.50	-
AV	5.1984G	110.64	Inf	-Inf	7.36	3	Vertical	14	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

13/07/2019



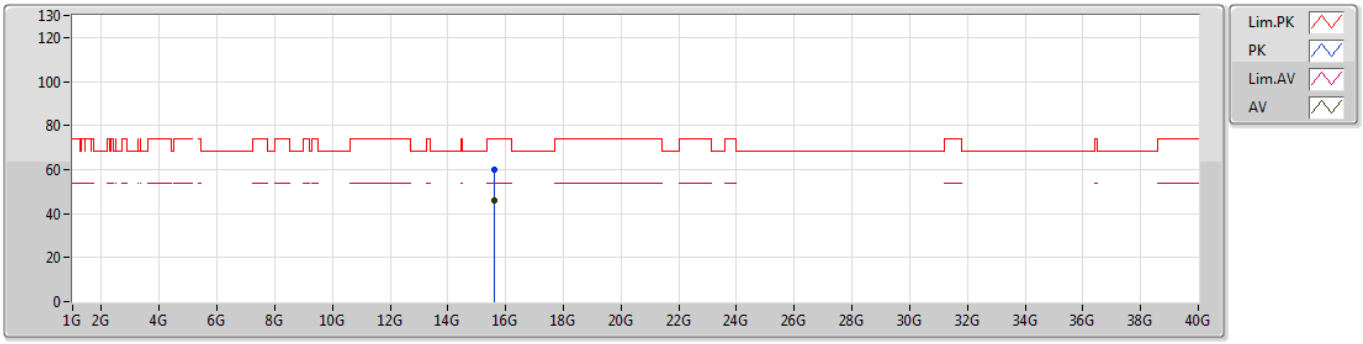
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6009G	60.45	74.00	-13.55	14.38	3	Vertical	249	1.08	-
AV	15.6009G	46.04	54.00	-7.96	14.38	3	Vertical	249	1.08	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5200MHz_TX

13/07/2019



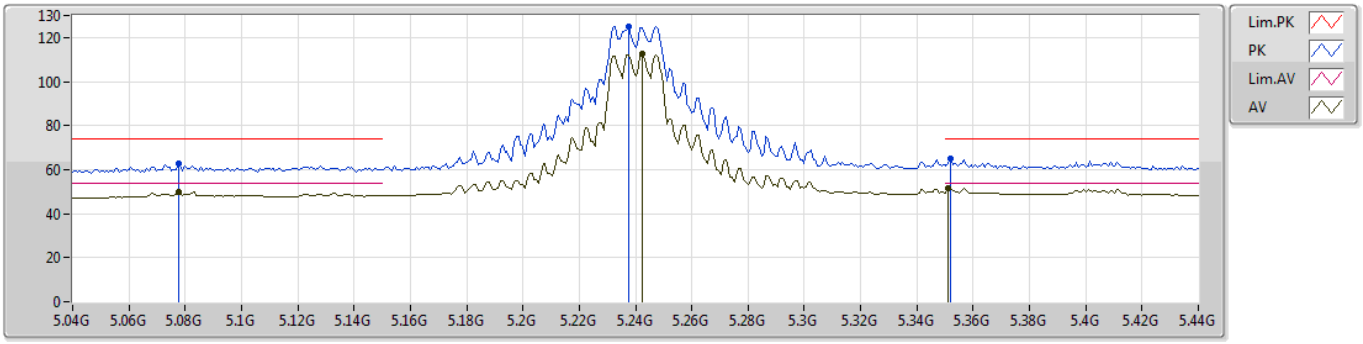
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.60732G	59.82	74.00	-14.18	14.38	3	Horizontal	315	1.12	-
AV	15.60554G	46.02	54.00	-7.98	14.40	3	Horizontal	315	1.12	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

02/05/2019



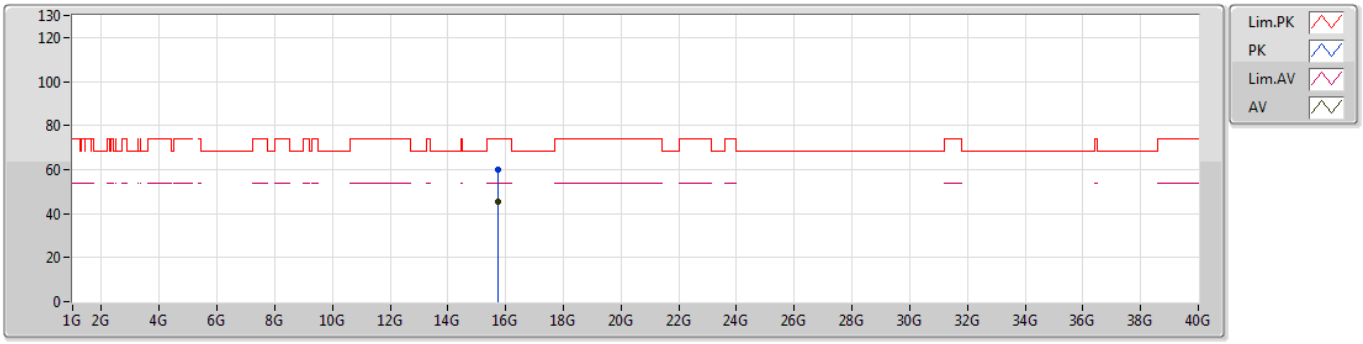
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0776G	62.53	74.00	-11.47	7.17	3	Vertical	246	1.79	-
AV	5.0776G	49.76	54.00	-4.24	7.17	3	Vertical	246	1.79	-
PK	5.2376G	124.80	Inf	-Inf	7.40	3	Vertical	246	1.79	-
AV	5.2424G	112.44	Inf	-Inf	7.42	3	Vertical	246	1.79	-
PK	5.352G	65.02	74.00	-8.98	7.55	3	Vertical	246	1.79	-
AV	5.3512G	51.40	54.00	-2.60	7.55	3	Vertical	246	1.79	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

13/07/2019



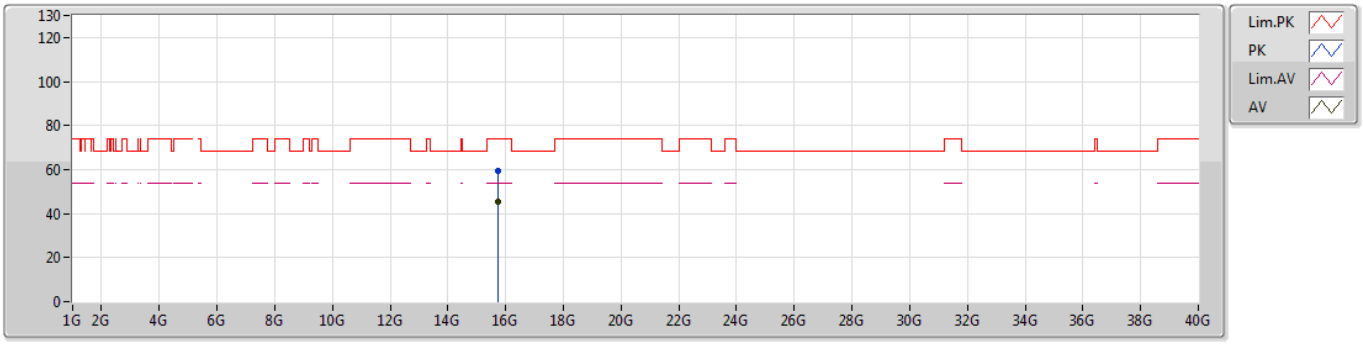
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.73104G	59.78	74.00	-14.22	14.23	3	Vertical	358	1.47	-
AV	15.72912G	45.29	54.00	-8.71	14.23	3	Vertical	358	1.47	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5240MHz_TX

13/07/2019



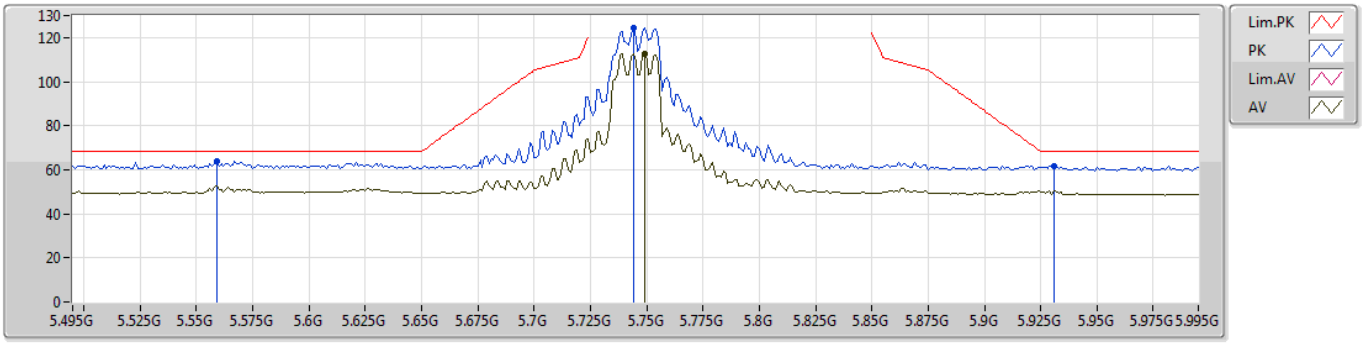
EUT Z_4TX
Setting 100
01-B-4
FSP(100056)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72748G	59.56	74.00	-14.44	14.23	3	Horizontal	21	2.31	-
AV	15.72614G	45.33	54.00	-8.67	14.22	3	Horizontal	21	2.31	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz_TX

02/05/2019



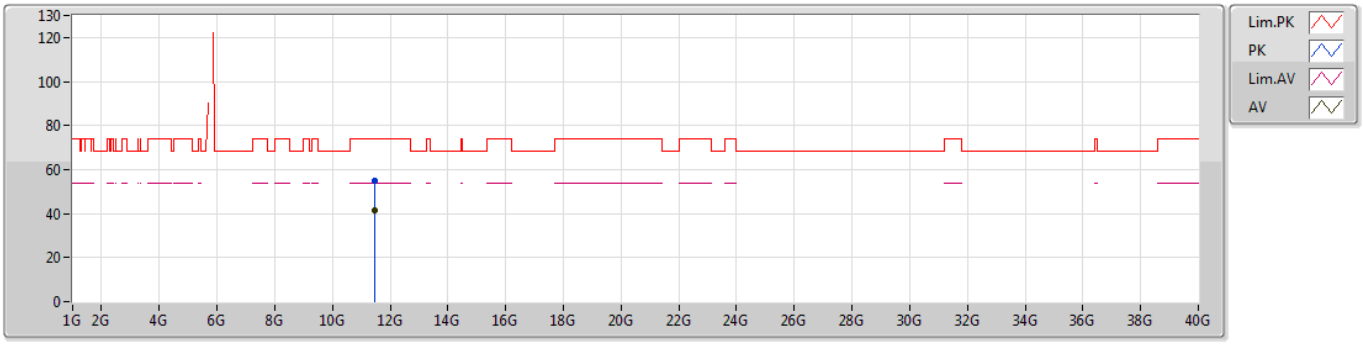
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.559G	63.75	68.20	-4.45	7.87	3	Vertical	66	1.74	-
PK	5.744G	124.57	Inf	-Inf	8.18	3	Vertical	66	1.74	-
AV	5.749G	112.68	Inf	-Inf	8.19	3	Vertical	66	1.74	-
PK	5.931G	61.80	68.20	-6.40	8.57	3	Vertical	66	1.74	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5745MHz_TX



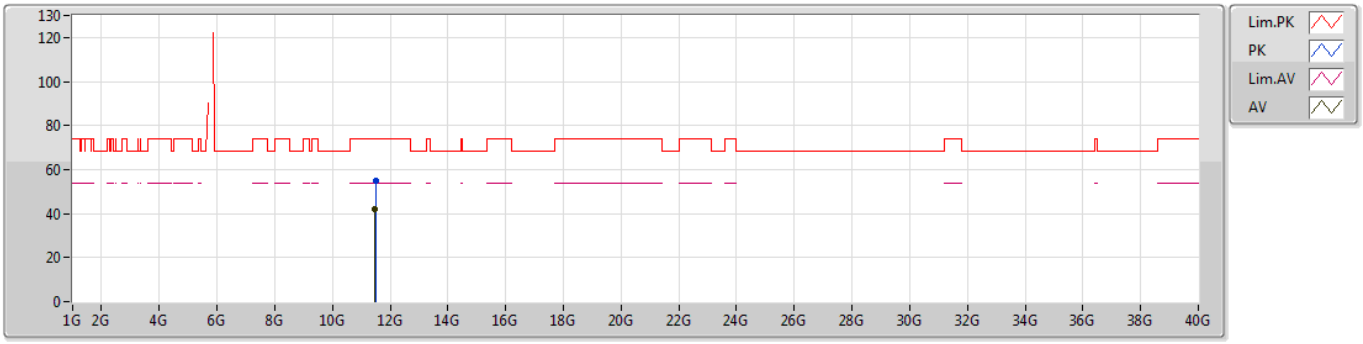
EUT Z_4TX
Setting 100
06-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4822G	55.03	74.00	-18.97	11.93	3	Vertical	20	2.23	-
AV	11.48316G	41.67	54.00	-12.33	11.93	3	Vertical	20	2.23	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5745MHz_TX



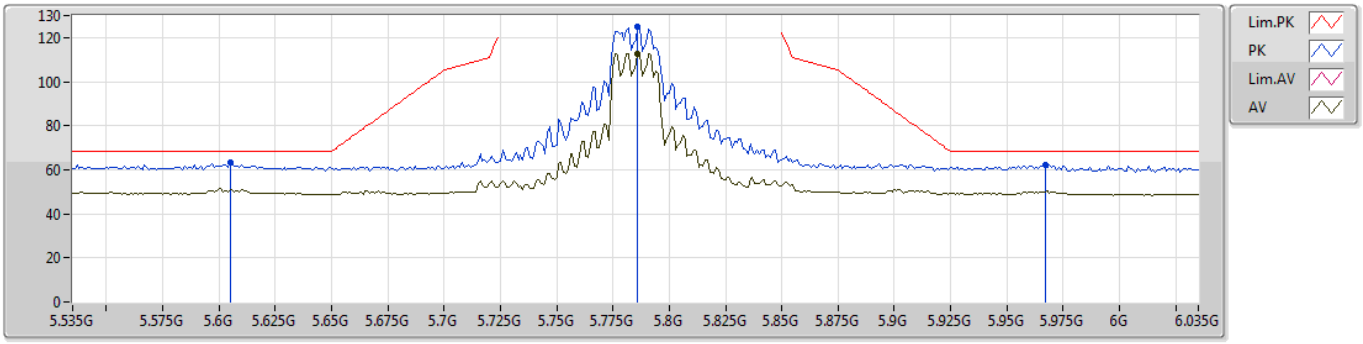
EUT Z_4TX
Setting 100
06-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49588G	54.94	74.00	-19.06	11.93	3	Horizontal	19	1.00	-
AV	11.47818G	41.79	54.00	-12.21	11.93	3	Horizontal	19	1.00	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5785MHz_TX

02/05/2019



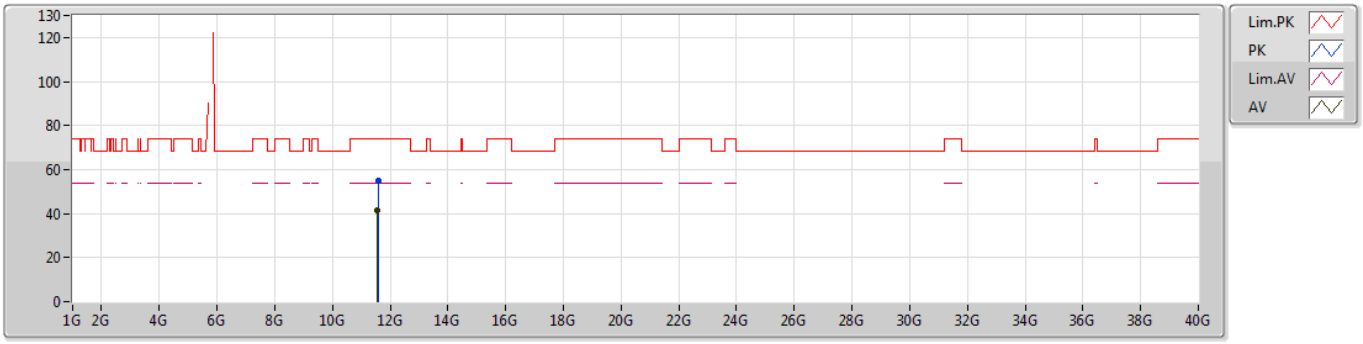
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.605G	63.05	68.20	-5.15	7.96	3	Vertical	85	1.62	-
PK	5.786G	124.78	Inf	-Inf	8.25	3	Vertical	85	1.62	-
AV	5.786G	112.75	Inf	-Inf	8.25	3	Vertical	85	1.62	-
PK	5.967G	62.12	68.20	-6.08	8.64	3	Vertical	85	1.62	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5785MHz_TX



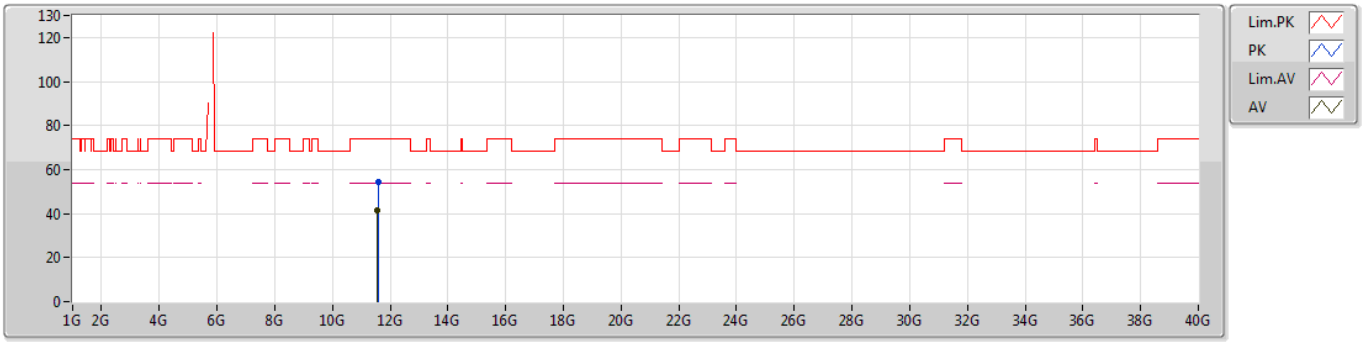
EUT Z_4TX
Setting 100
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5793G	54.79	74.00	-19.21	11.97	3	Vertical	230	1.11	-
AV	11.55524G	41.44	54.00	-12.56	11.96	3	Vertical	230	1.11	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5785MHz_TX



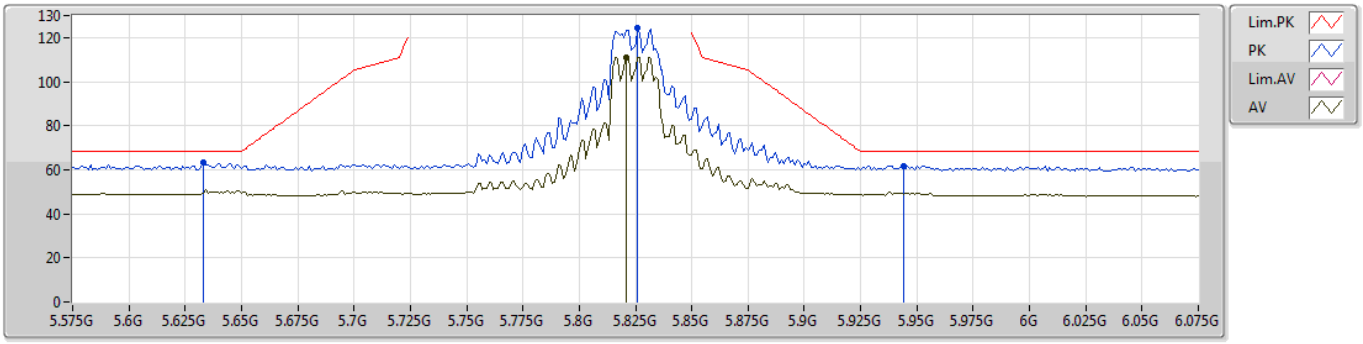
EUT Z_4TX
Setting 100
06-S-5
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58434G	54.42	74.00	-19.58	11.97	3	Horizontal	336	1.98	-
AV	11.56856G	41.42	54.00	-12.58	11.95	3	Horizontal	336	1.98	-

802.11ax HEW20_Nss1,(MCS0)_4TX

5825MHz_TX

02/05/2019



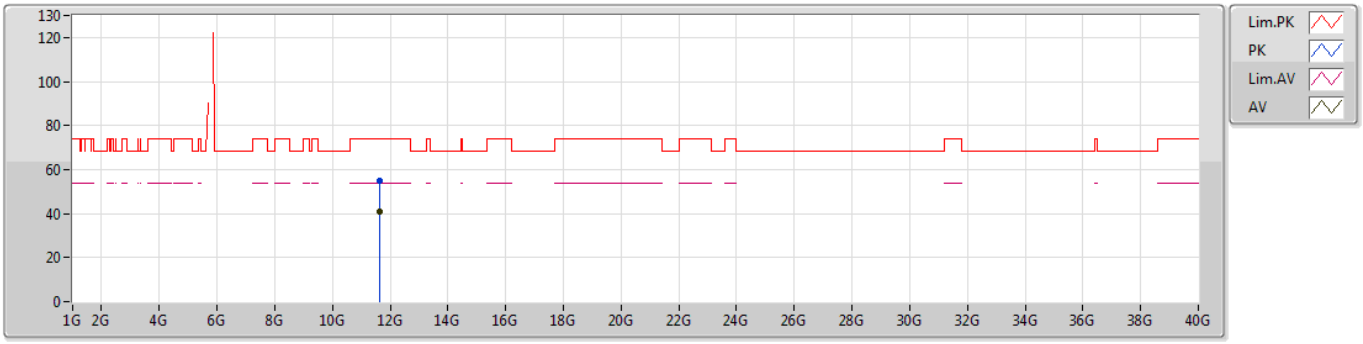
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.633G	63.40	68.20	-4.80	8.01	3	Vertical	86	1.74	-
PK	5.826G	124.62	Inf	-Inf	8.33	3	Vertical	86	1.74	-
AV	5.821G	111.06	Inf	-Inf	8.32	3	Vertical	86	1.74	-
PK	5.944G	61.89	68.20	-6.31	8.59	3	Vertical	86	1.74	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5825MHz_TX



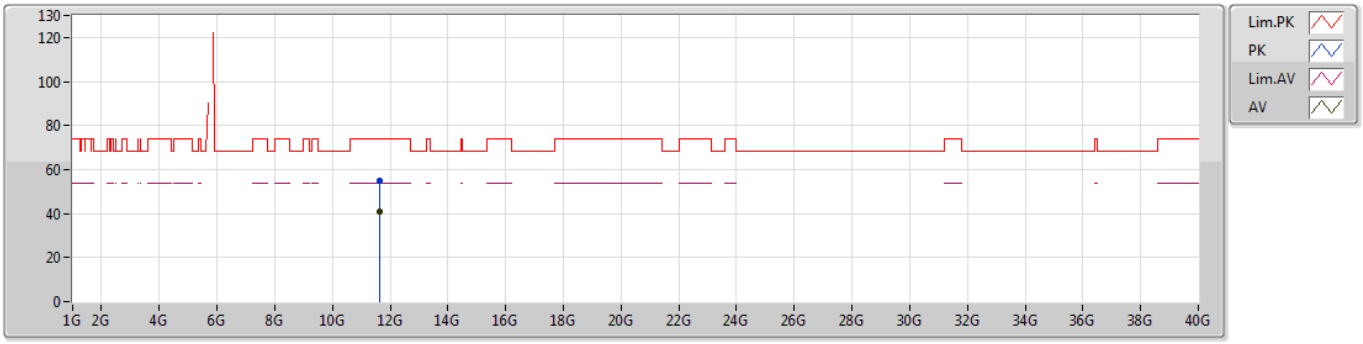
EUT Z_4TX
Setting 100
06-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64856G	55.09	74.00	-18.91	11.99	3	Vertical	205	1.04	-
AV	11.65414G	40.67	54.00	-13.33	12.00	3	Vertical	205	1.04	-

802.11ax HEW20_Nss1,(MCS0)_4TX

13/07/2019

5825MHz_TX



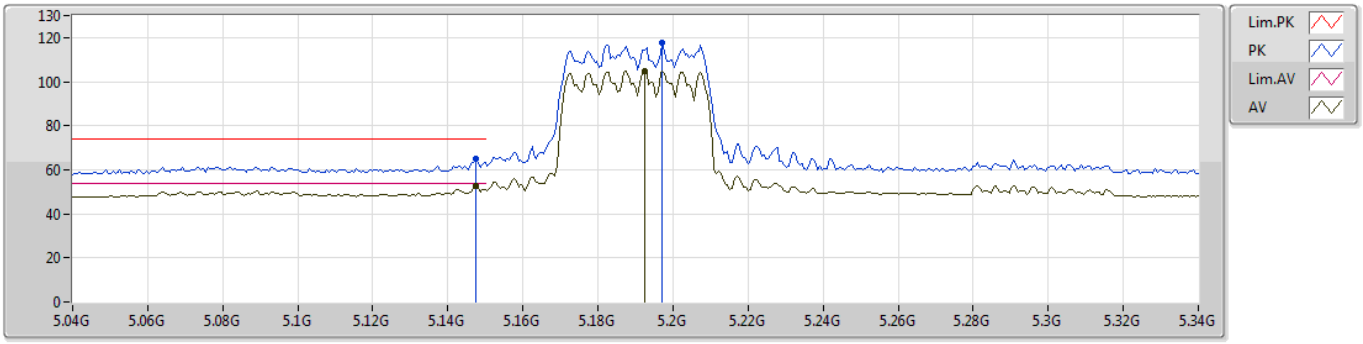
EUT Z_4TX
Setting 100
06-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.63836G	54.91	74.00	-19.09	11.99	3	Horizontal	273	1.72	-
AV	11.64268G	40.66	54.00	-13.34	11.99	3	Horizontal	273	1.72	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5190MHz_TX

02/05/2019



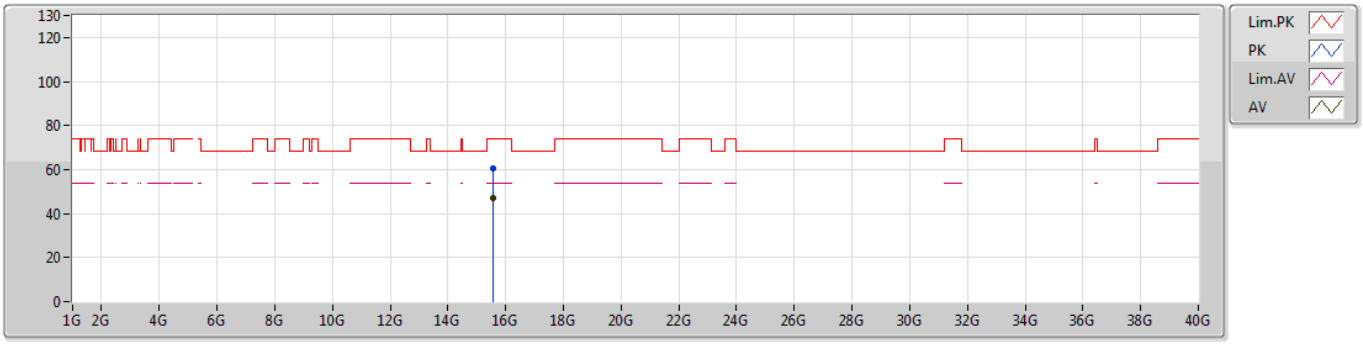
EUT Z_4TX
Setting 74
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1474G	65.20	74.00	-8.80	7.27	3	Vertical	248	1.80	-
AV	5.1474G	52.78	54.00	-1.22	7.27	3	Vertical	248	1.80	-
PK	5.1972G	117.55	Inf	-Inf	7.36	3	Vertical	248	1.80	-
AV	5.1924G	104.70	Inf	-Inf	7.35	3	Vertical	248	1.80	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5190MHz_TX



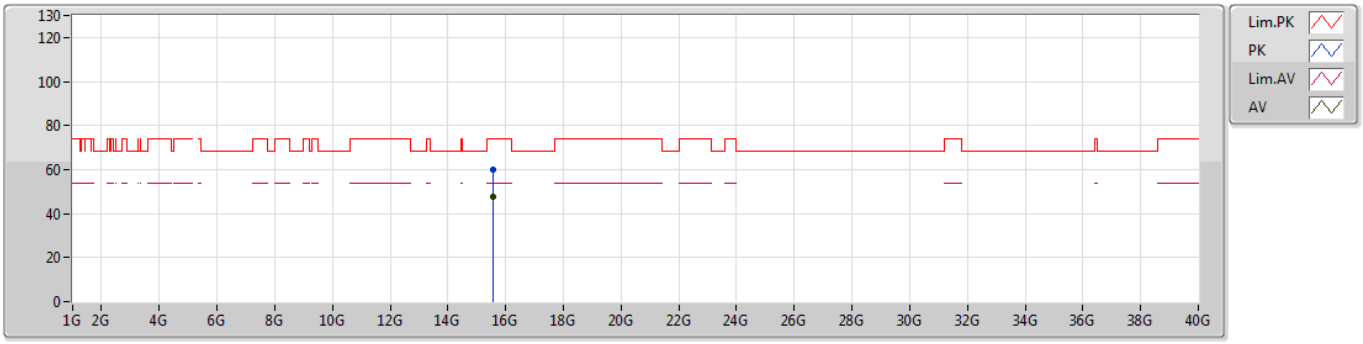
EUT Z_4TX
Setting 74
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.56724G	60.28	74.00	-13.72	14.42	3	Vertical	127	1.06	-
AV	15.58176G	47.26	54.00	-6.74	14.41	3	Vertical	127	1.06	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5190MHz_TX



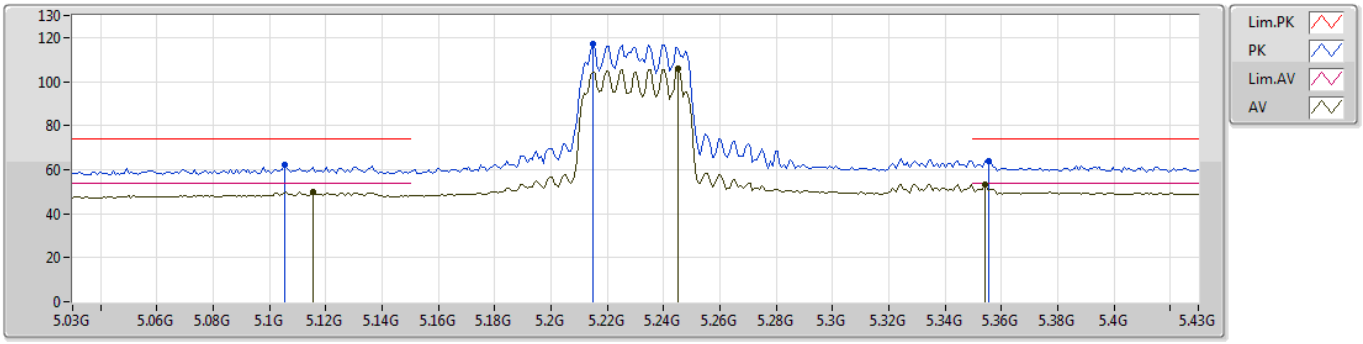
EUT Z_4TX
Setting 74
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.58308G	59.94	74.00	-14.06	14.41	3	Horizontal	280	1.25	-
AV	15.558G	47.36	54.00	-6.64	14.44	3	Horizontal	280	1.25	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

02/05/2019



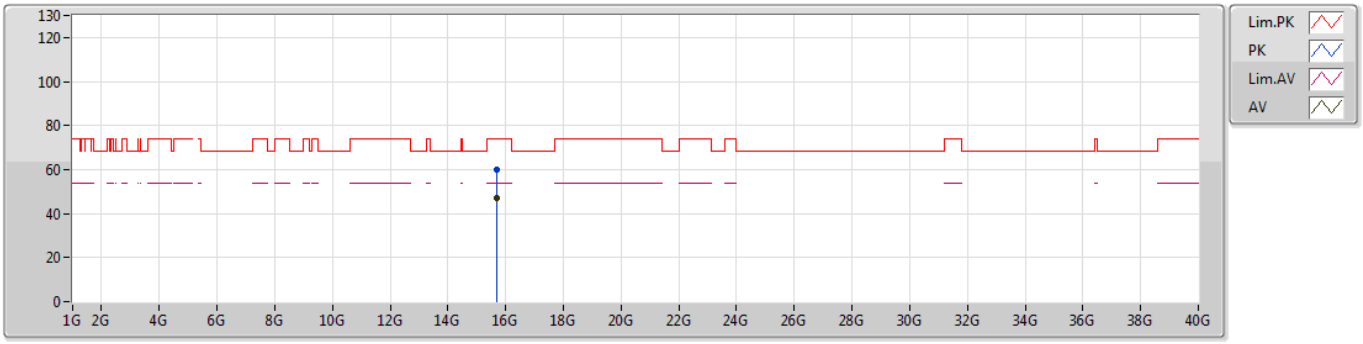
EUT Z_4TX
Setting 76
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1052G	62.04	74.00	-11.96	7.20	3	Vertical	68	1.90	-
AV	5.1156G	49.74	54.00	-4.26	7.22	3	Vertical	68	1.90	-
PK	5.2148G	117.14	Inf	-Inf	7.38	3	Vertical	68	1.90	-
AV	5.2452G	105.67	Inf	-Inf	7.42	3	Vertical	68	1.90	-
PK	5.3556G	64.08	74.00	-9.92	7.55	3	Vertical	68	1.90	-
AV	5.354G	52.98	54.00	-1.02	7.55	3	Vertical	68	1.90	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5230MHz_TX



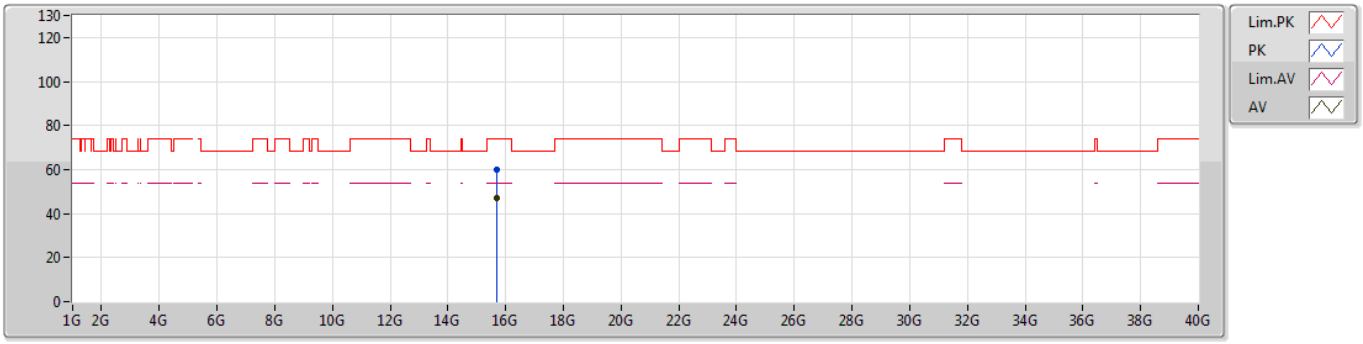
EUT Z_4TX
Setting 76
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.67566G	59.95	74.00	-14.05	14.29	3	Vertical	155	2.34	-
AV	15.69732G	47.21	54.00	-6.79	14.27	3	Vertical	155	2.34	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5230MHz_TX

13/07/2019



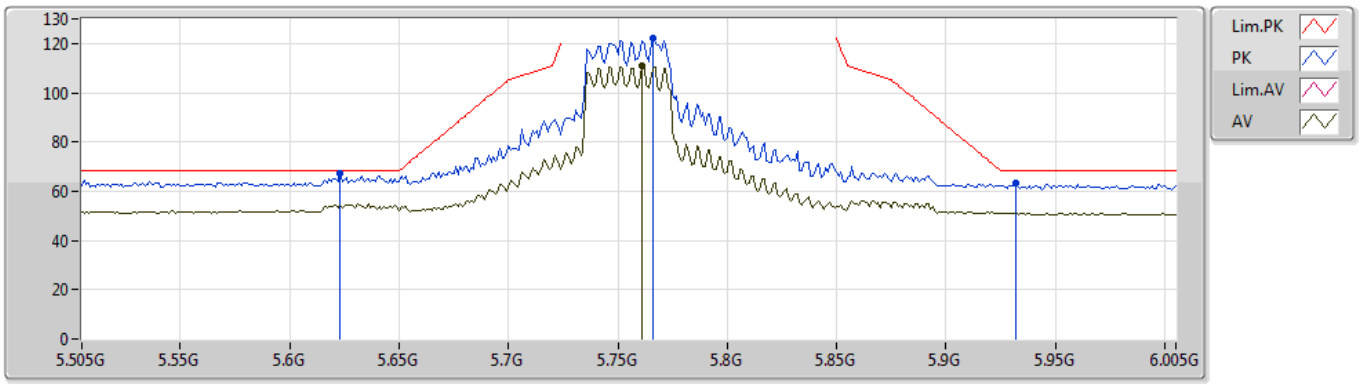
EUT Z_4TX
Setting 76
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6843G	59.97	74.00	-14.03	14.28	3	Horizontal	255	2.28	-
AV	15.68118G	47.06	54.00	-6.94	14.28	3	Horizontal	255	2.28	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz_TX

03/05/2019



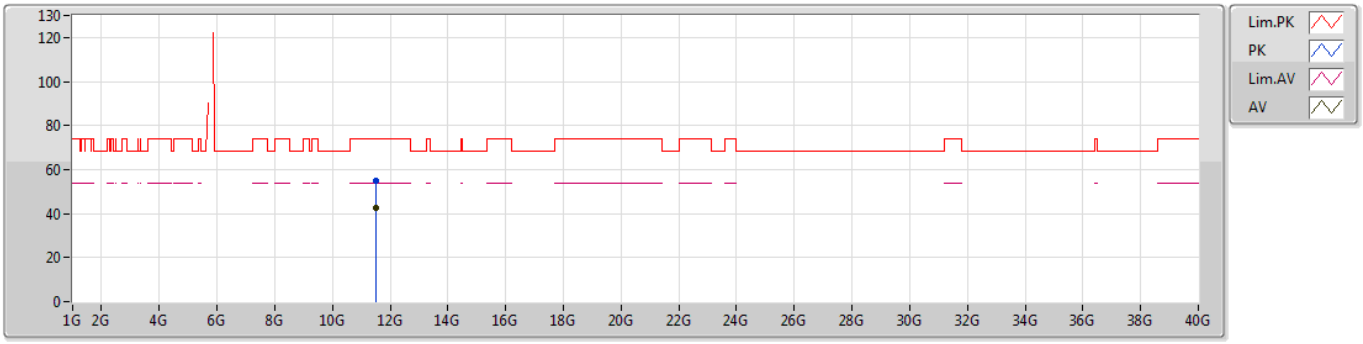
EUT Z_4TX
Setting 100
03-B-4-13
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.623G	66.98	68.20	-1.22	6.38	3	Vertical	85	1.76	-
PK	5.766G	122.09	Inf	-Inf	6.43	3	Vertical	85	1.76	-
AV	5.761G	110.93	Inf	-Inf	6.43	3	Vertical	85	1.76	-
PK	5.932G	63.14	68.20	-5.06	6.84	3	Vertical	85	1.76	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5755MHz_TX



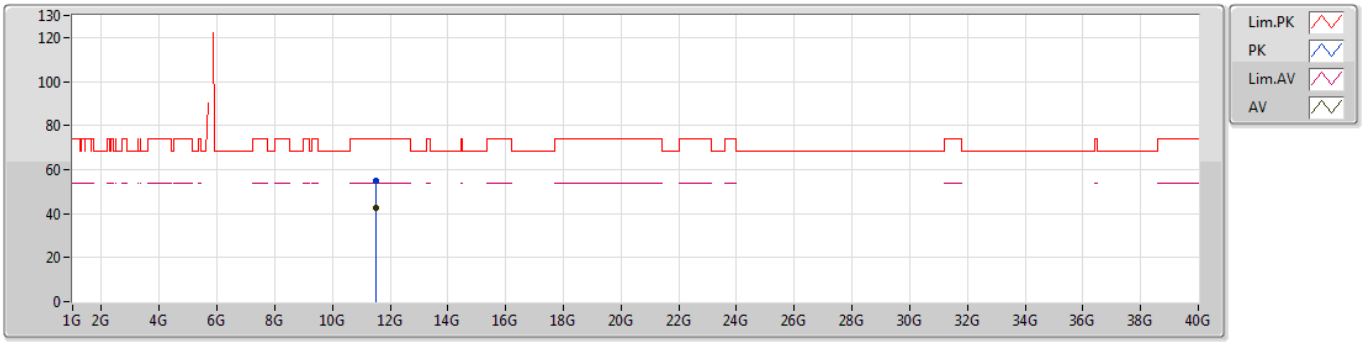
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.50466G	54.87	74.00	-19.13	11.93	3	Vertical	254	2.35	-
AV	11.49962G	42.40	54.00	-11.60	11.93	3	Vertical	254	2.35	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5755MHz_TX



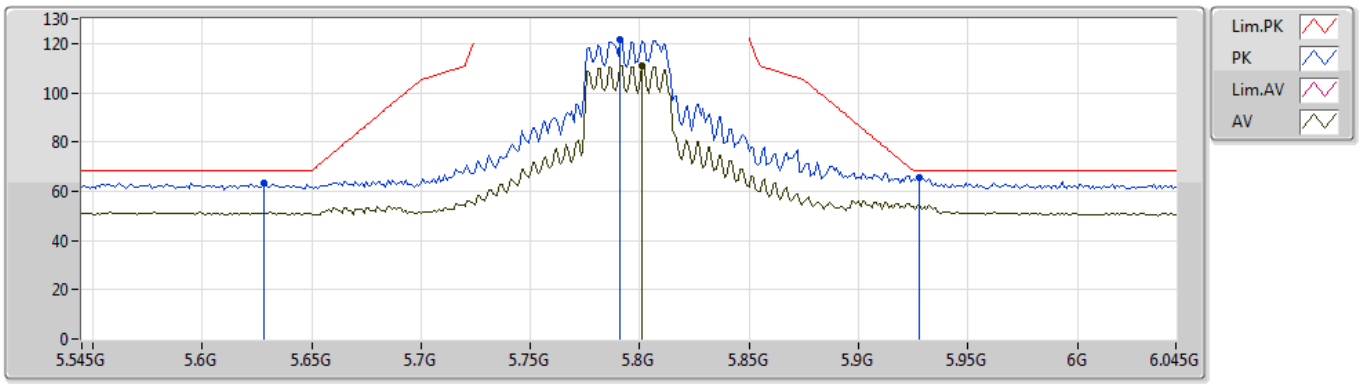
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49698G	54.67	74.00	-19.33	11.93	3	Horizontal	308	2.23	-
AV	11.49584G	42.38	54.00	-11.62	11.93	3	Horizontal	308	2.23	-

802.11ax HEW40_Nss1,(MCS0)_4TX

5795MHz_TX

03/05/2019



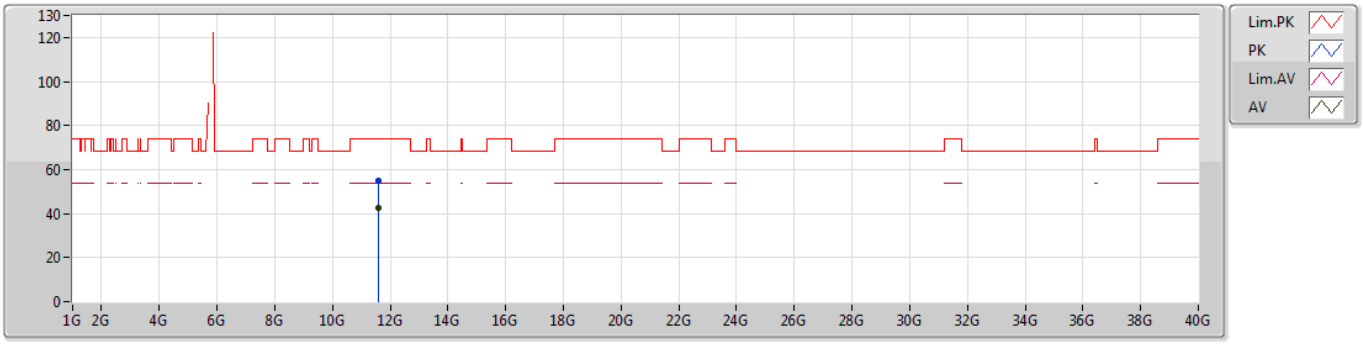
EUT Z_4TX
Setting 100
03-B-4-13
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.628G	63.59	68.20	-4.61	6.37	3	Vertical	85	1.50	-
PK	5.791G	121.87	Inf	-Inf	6.45	3	Vertical	85	1.50	-
AV	5.801G	110.87	Inf	-Inf	6.46	3	Vertical	85	1.50	-
PK	5.928G	65.52	68.20	-2.68	6.82	3	Vertical	85	1.50	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5795MHz_TX



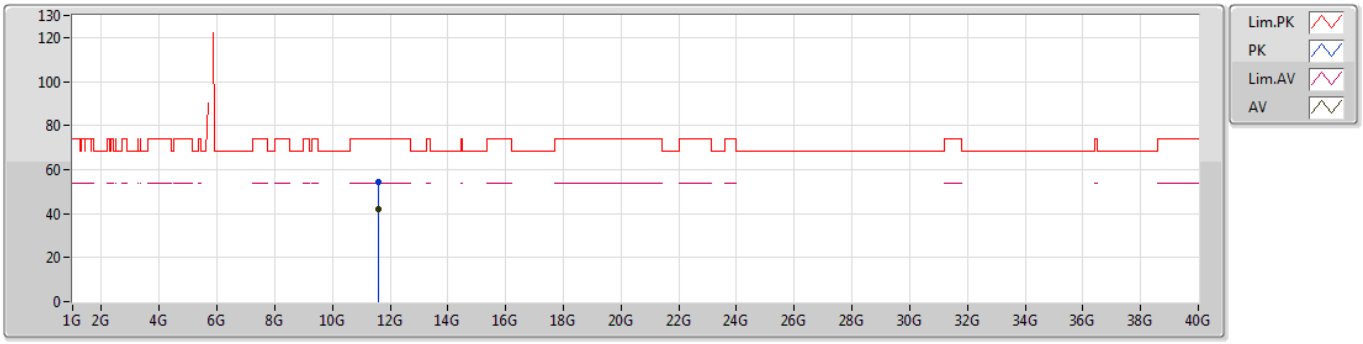
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57638G	54.81	74.00	-19.19	11.96	3	Vertical	320	1.46	-
AV	11.59396G	42.42	54.00	-11.58	11.97	3	Vertical	320	1.46	-

802.11ax HEW40_Nss1,(MCS0)_4TX

13/07/2019

5795MHz_TX



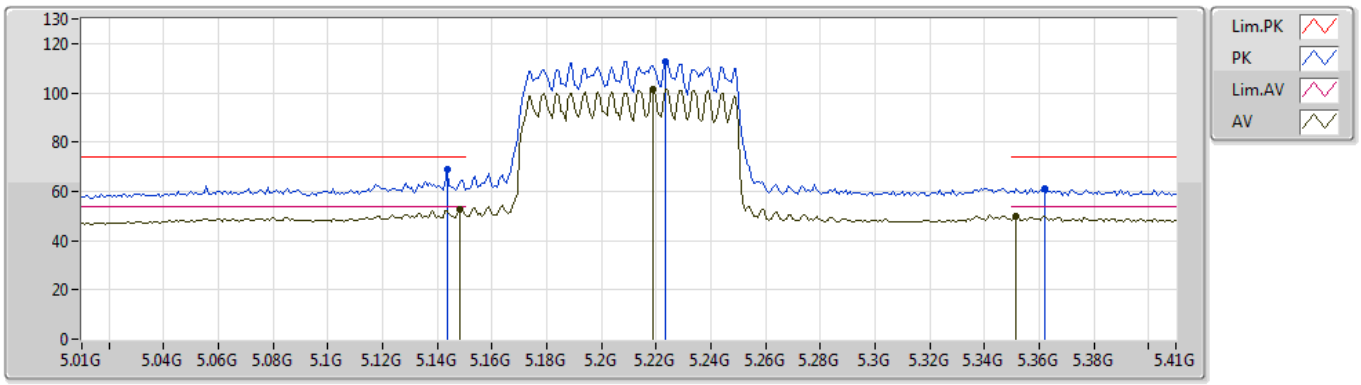
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.60044G	54.63	74.00	-19.37	11.97	3	Horizontal	327	2.22	-
AV	11.5975G	42.15	54.00	-11.85	11.97	3	Horizontal	327	2.22	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5210MHz_TX

03/05/2019



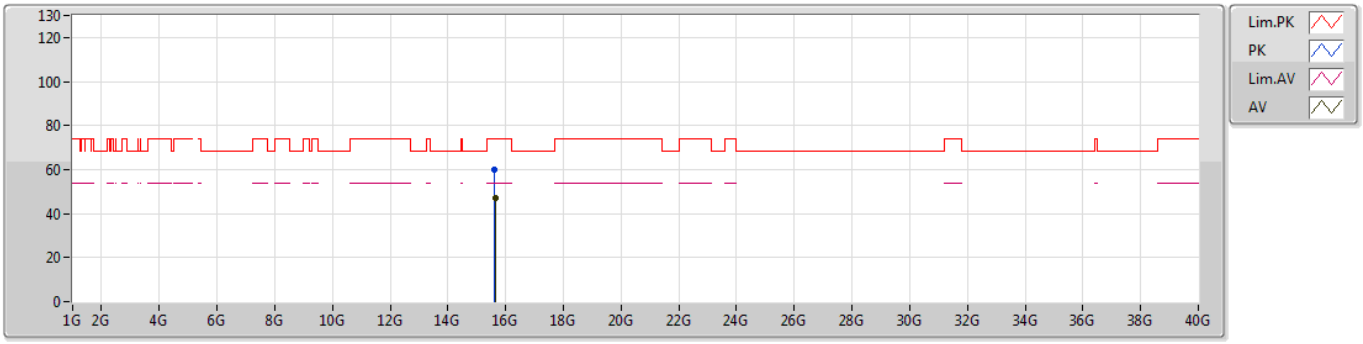
EUT Z_4TX
Setting 71
03-B-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1436G	68.90	74.00	-5.10	5.81	3	Vertical	11	1.77	-
AV	5.1484G	52.95	54.00	-1.05	5.83	3	Vertical	11	1.77	-
PK	5.2236G	112.74	Inf	-Inf	5.99	3	Vertical	11	1.77	-
AV	5.2188G	101.41	Inf	-Inf	5.97	3	Vertical	11	1.77	-
PK	5.362G	61.04	74.00	-12.96	6.33	3	Vertical	11	1.77	-
AV	5.3516G	49.79	54.00	-4.21	6.31	3	Vertical	11	1.77	-

802.11ax HEW80_Nss1,(MCS0)_4TX

13/07/2019

5210MHz_TX



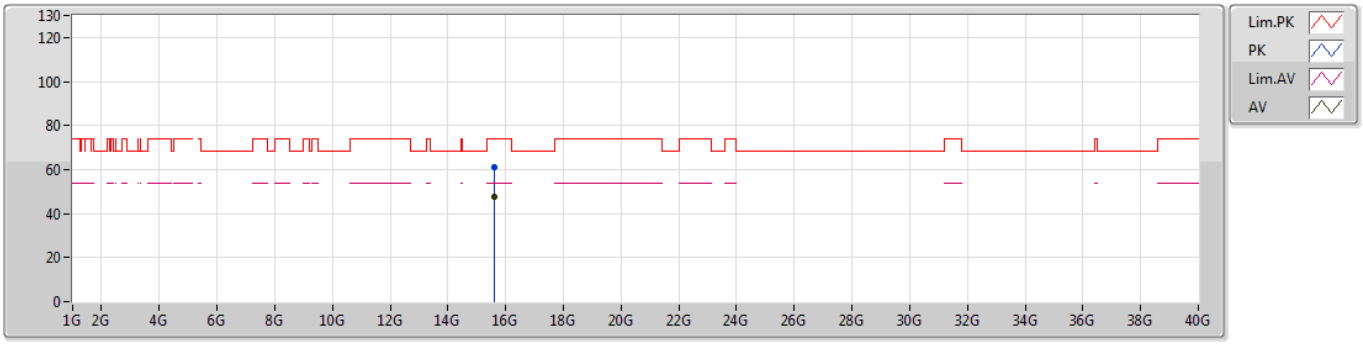
EUT Z_4TX
Setting 71
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.63G	59.71	74.00	-14.29	14.34	3	Vertical	338	1.68	-
AV	15.63276G	47.21	54.00	-6.79	14.35	3	Vertical	338	1.68	-

802.11ax HEW80_Nss1,(MCS0)_4TX

13/07/2019

5210MHz_TX



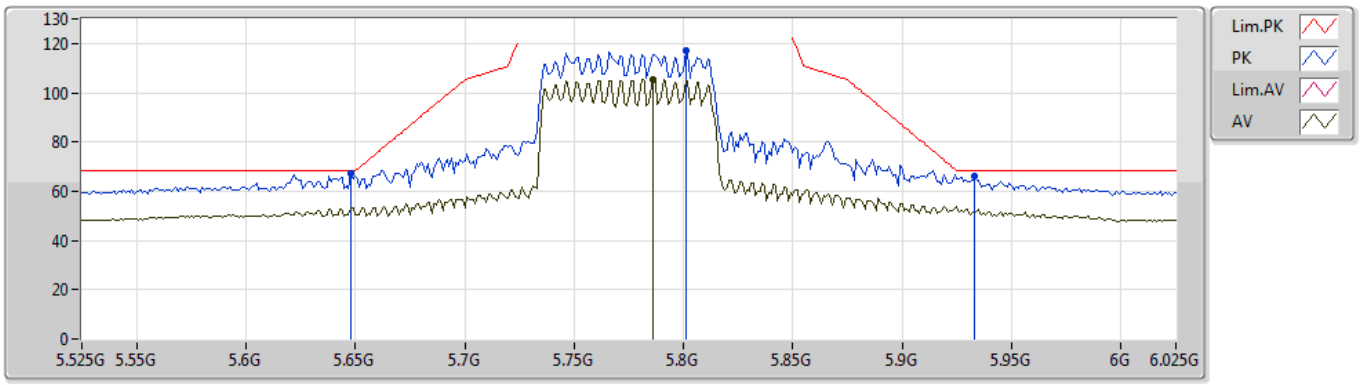
EUT Z_4TX
Setting 71
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62802G	61.02	74.00	-12.98	14.34	3	Horizontal	229	1.36	-
AV	15.6159G	47.65	54.00	-6.35	14.37	3	Horizontal	229	1.36	-

802.11ax HEW80_Nss1,(MCS0)_4TX

5775MHz_TX

03/05/2019



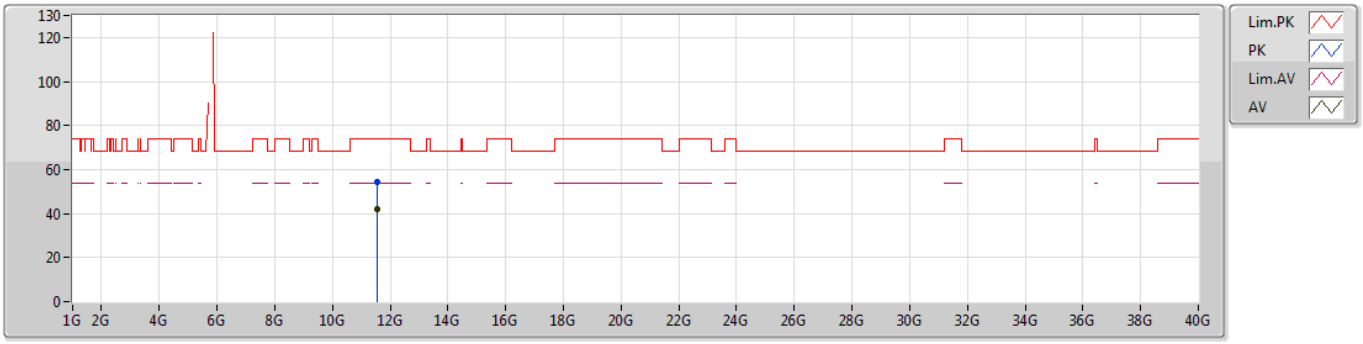
EUT Z_4TX
Setting 90
03-B-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.648G	66.97	68.20	-1.23	6.37	3	Vertical	84	1.50	-
PK	5.801G	117.21	Inf	-Inf	6.46	3	Vertical	84	1.50	-
AV	5.786G	105.29	Inf	-Inf	6.44	3	Vertical	84	1.50	-
PK	5.933G	65.89	68.20	-2.31	6.84	3	Vertical	84	1.50	-

802.11ax HEW80_Nss1,(MCS0)_4TX

13/07/2019

5775MHz_TX



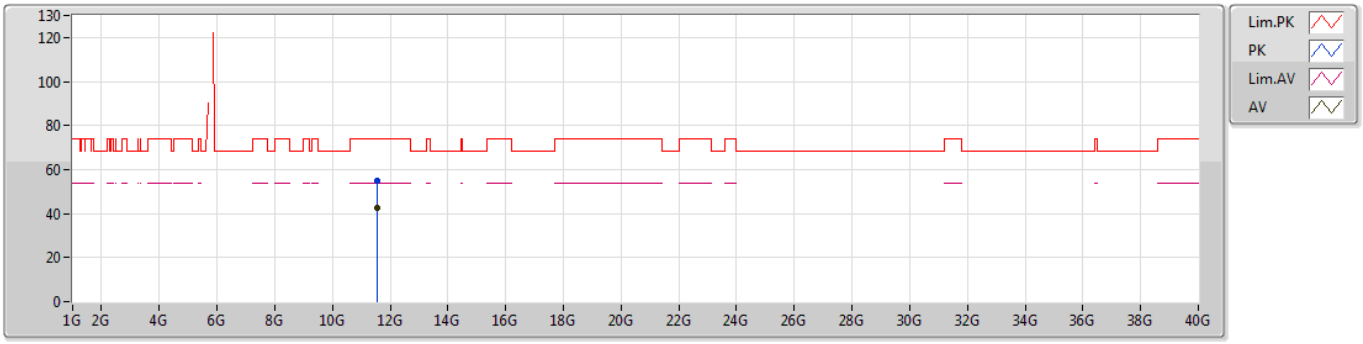
EUT Z_4TX
Setting 90
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56488G	54.31	74.00	-19.69	11.96	3	Vertical	266	1.49	-
AV	11.55684G	42.26	54.00	-11.74	11.96	3	Vertical	266	1.49	-

802.11ax HEW80_Nss1,(MCS0)_4TX

13/07/2019

5775MHz_TX



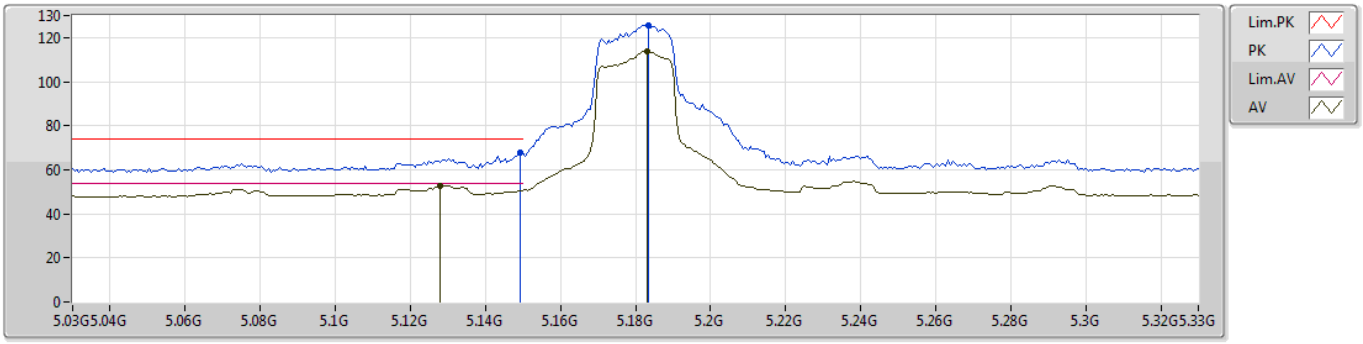
EUT Z_4TX
Setting 90
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5422G	55.16	74.00	-18.84	11.95	3	Horizontal	123	1.50	-
AV	11.53572G	42.38	54.00	-11.62	11.95	3	Horizontal	123	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

07/05/2019



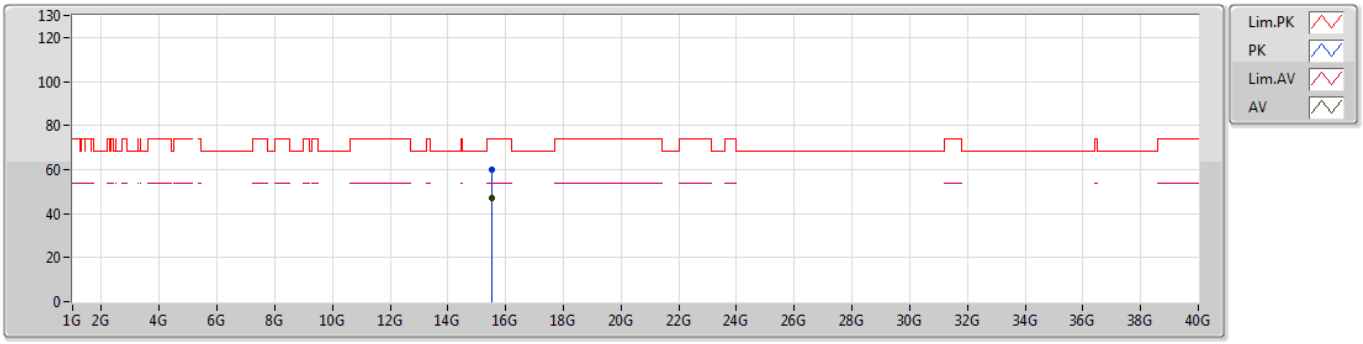
EUT Z_4TX
Setting 85
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1494G	67.58	74.00	-6.42	7.27	3	Vertical	283	2.07	-
AV	5.1278G	52.83	54.00	-1.17	7.25	3	Vertical	283	2.07	-
PK	5.1836G	125.71	Inf	-Inf	7.34	3	Vertical	283	2.07	-
AV	5.183G	113.86	Inf	-Inf	7.33	3	Vertical	283	2.07	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5180MHz_TX



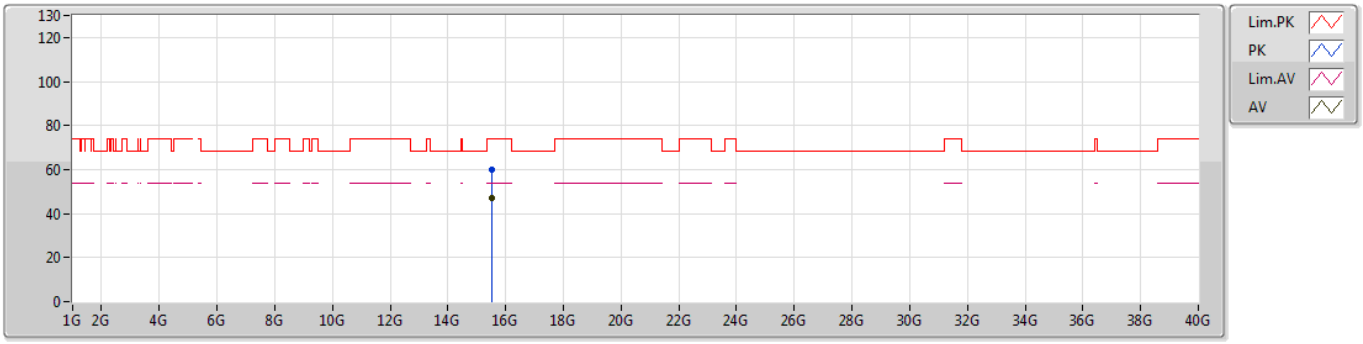
EUT Z_4TX
Setting 85
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.52506G	60.02	74.00	-13.98	14.47	3	Vertical	287	1.77	-
AV	15.52518G	47.06	54.00	-6.94	14.47	3	Vertical	287	1.77	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5180MHz_TX



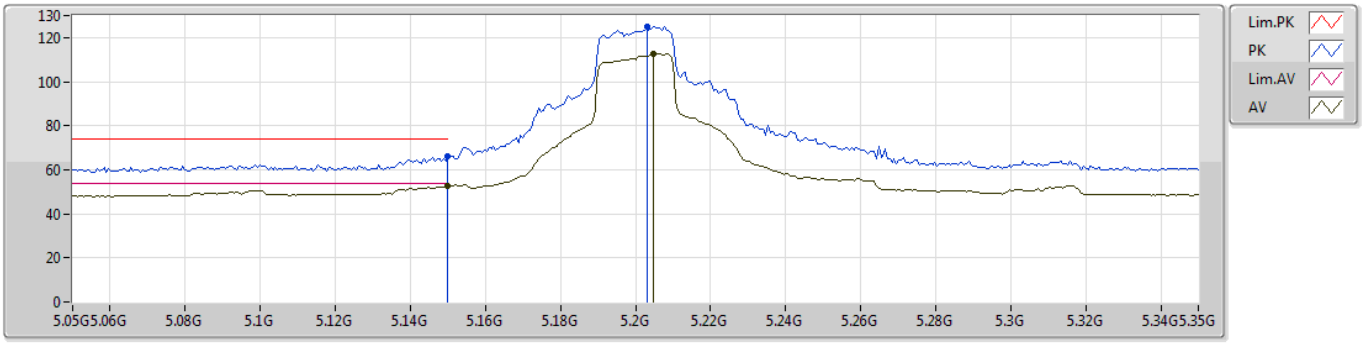
EUT Z_4TX
Setting 85
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53184G	60.23	74.00	-13.77	14.46	3	Horizontal	188	1.72	-
AV	15.52578G	46.82	54.00	-7.18	14.47	3	Horizontal	188	1.72	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

07/05/2019



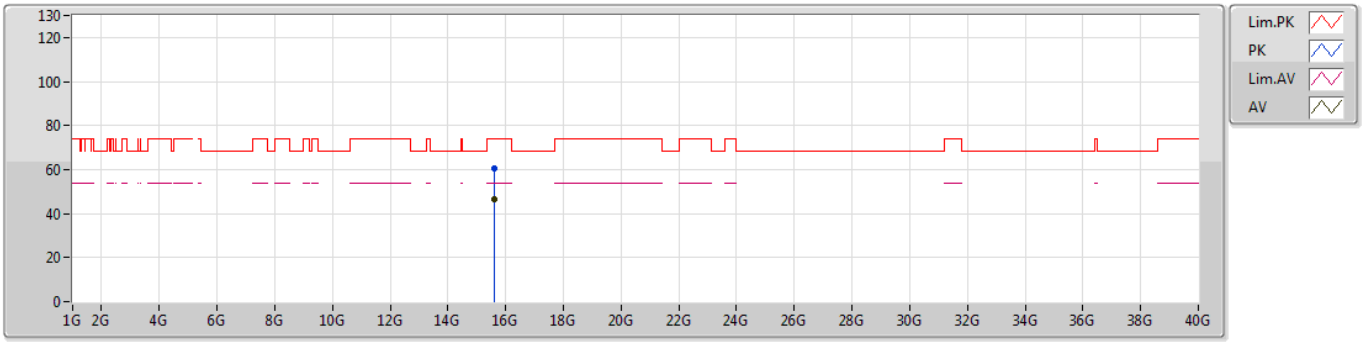
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.15G	66.22	74.00	-7.78	7.27	3	Vertical	249	1.50	-
AV	5.15G	52.49	54.00	-1.51	7.27	3	Vertical	249	1.50	-
PK	5.203G	124.91	Inf	-Inf	7.36	3	Vertical	249	1.50	-
AV	5.2048G	112.47	Inf	-Inf	7.36	3	Vertical	249	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

13/07/2019



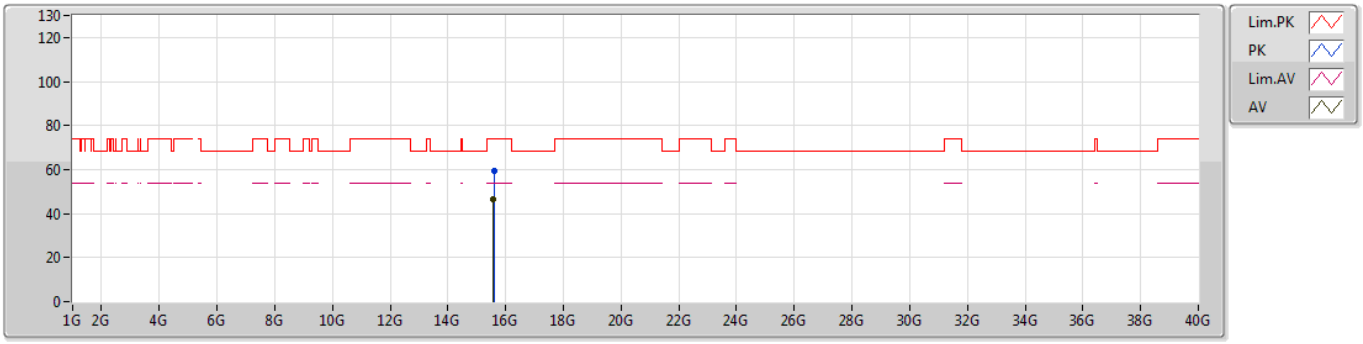
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.5907G	60.48	74.00	-13.52	14.40	3	Vertical	335	1.50	-
AV	15.60306G	46.38	54.00	-7.62	14.38	3	Vertical	335	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5200MHz_TX



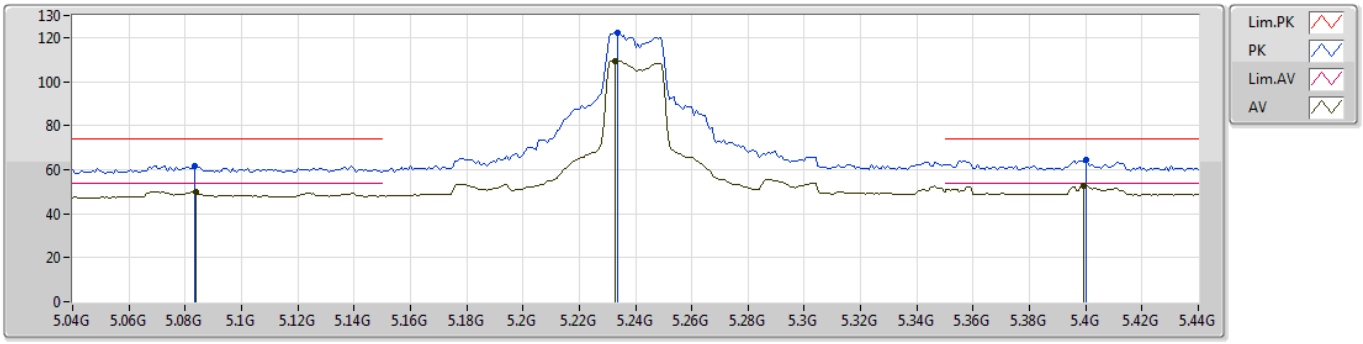
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.61362G	59.46	74.00	-14.54	14.37	3	Horizontal	187	1.50	-
AV	15.58536G	46.56	54.00	-7.44	14.40	3	Horizontal	187	1.50	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

07/05/2019



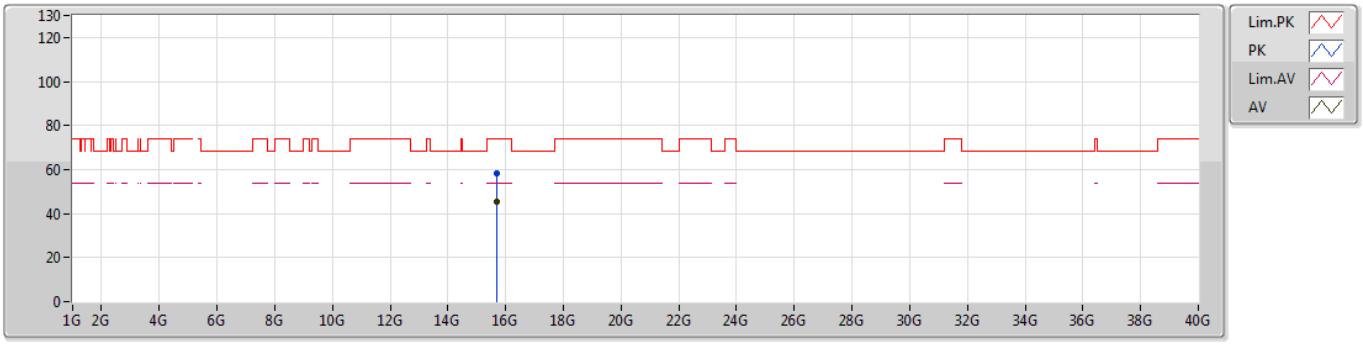
EUT Z_4TX
Setting 88
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0832G	61.88	74.00	-12.12	7.17	3	Vertical	93	1.92	-
AV	5.084G	50.11	54.00	-3.89	7.17	3	Vertical	93	1.92	-
PK	5.2336G	121.98	Inf	-Inf	7.40	3	Vertical	93	1.92	-
AV	5.2328G	109.52	Inf	-Inf	7.40	3	Vertical	93	1.92	-
PK	5.4G	64.33	74.00	-9.67	7.61	3	Vertical	93	1.92	-
AV	5.3992G	52.88	54.00	-1.12	7.61	3	Vertical	93	1.92	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5240MHz_TX



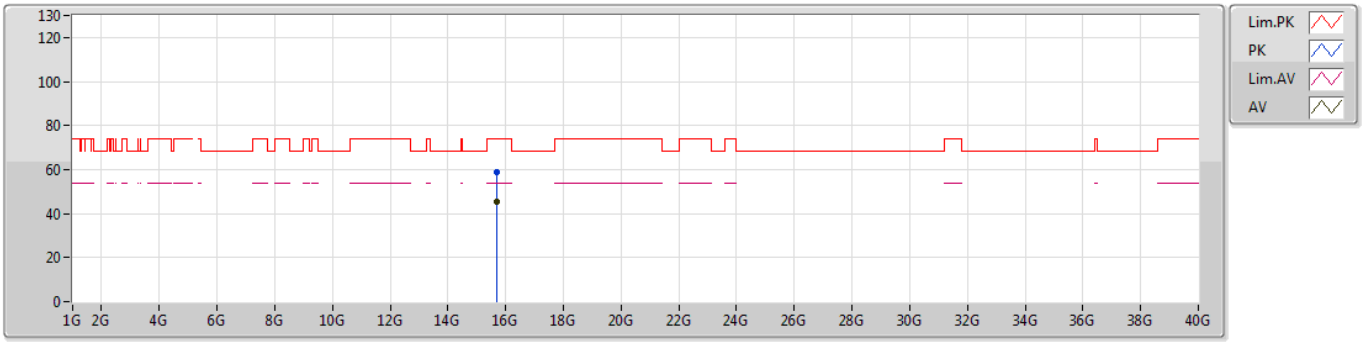
EUT Z_4TX
Setting 88
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.70512G	58.55	74.00	-15.45	14.26	3	Vertical	153	2.45	-
AV	15.70524G	45.51	54.00	-8.49	14.26	3	Vertical	153	2.45	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5240MHz_TX



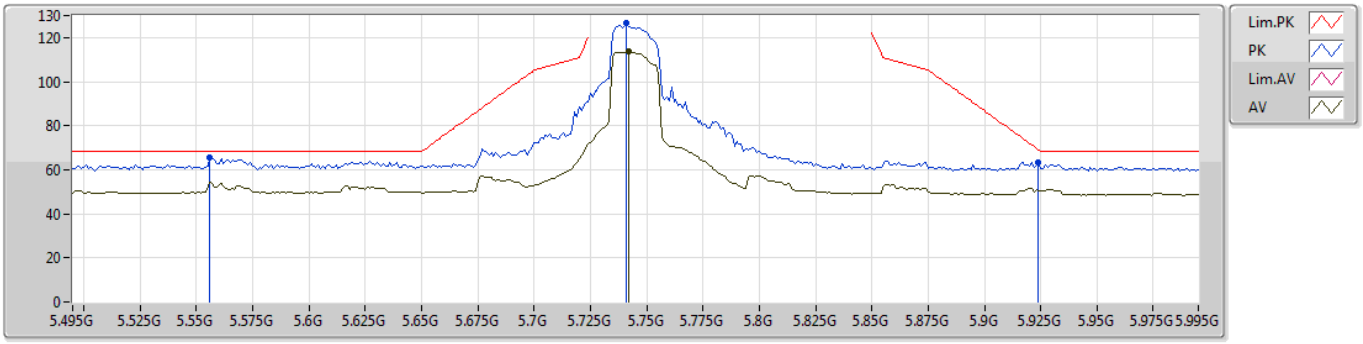
EUT Z_4TX
Setting 88
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.71118G	59.04	74.00	-14.96	14.25	3	Horizontal	157	1.21	-
AV	15.71034G	45.41	54.00	-8.59	14.25	3	Horizontal	157	1.21	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

07/05/2019

5745MHz_TX



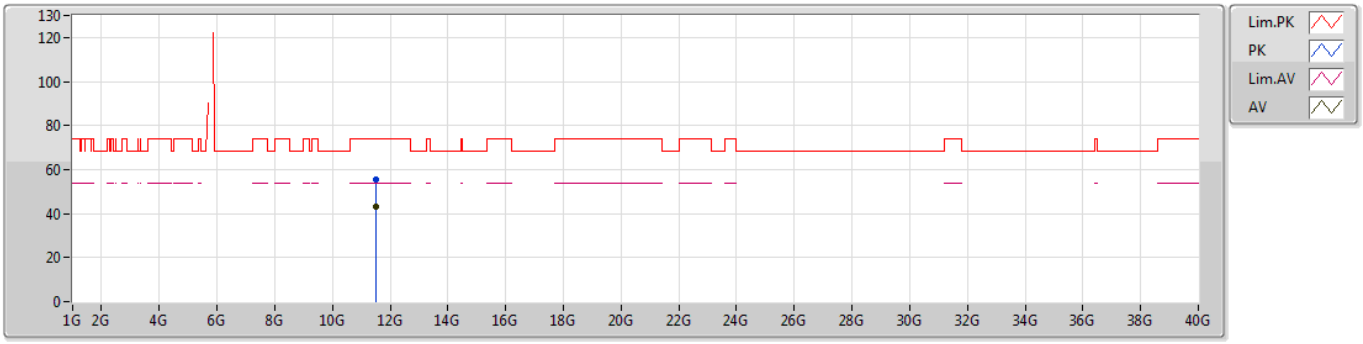
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.556G	65.50	68.20	-2.70	7.87	3	Vertical	104	2.39	-
PK	5.741G	126.54	Inf	-Inf	8.17	3	Vertical	104	2.39	-
AV	5.742G	113.56	Inf	-Inf	8.18	3	Vertical	104	2.39	-
PK	5.924G	63.38	68.94	-5.56	8.55	3	Vertical	104	2.39	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

13/07/2019



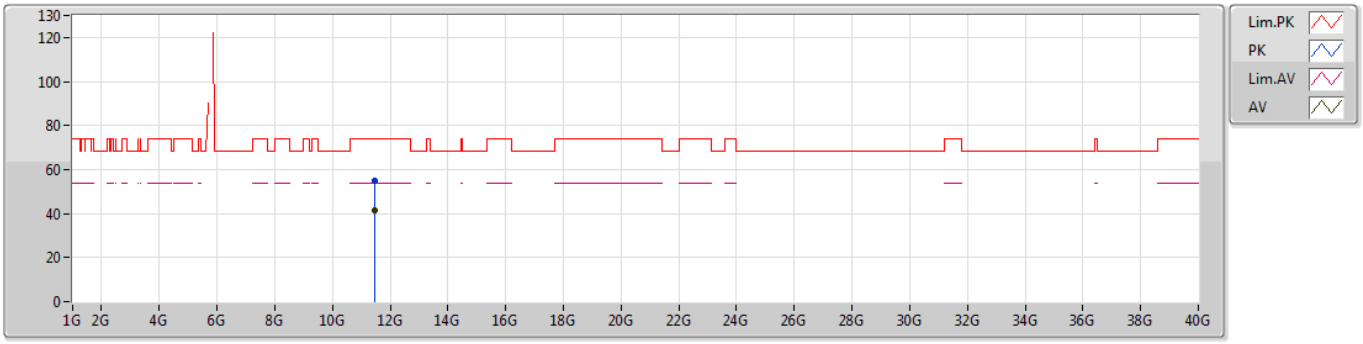
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4897G	55.53	74.00	-18.47	11.93	3	Vertical	360	2.36	-
AV	11.48994G	42.97	54.00	-11.03	11.93	3	Vertical	360	2.36	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5745MHz_TX



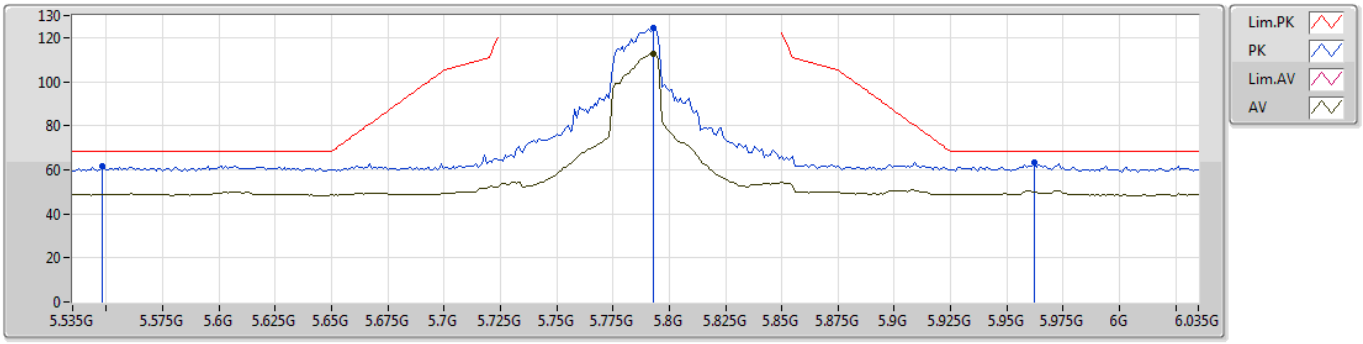
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4777G	55.15	74.00	-18.85	11.93	3	Horizontal	268	1.43	-
AV	11.4774G	41.55	54.00	-12.45	11.93	3	Horizontal	268	1.43	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

07/05/2019

5785MHz_TX



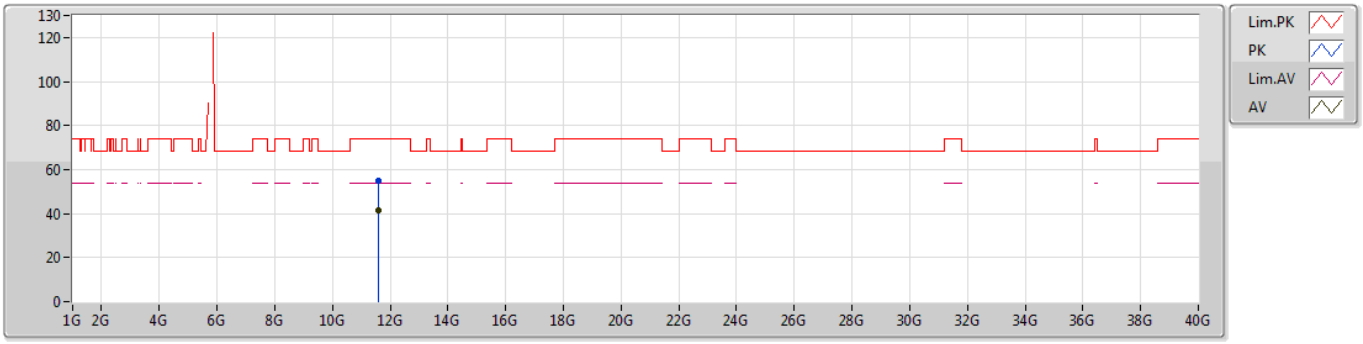
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.548G	61.72	68.20	-6.48	7.85	3	Vertical	58	1.49	-
PK	5.793G	124.49	Inf	-Inf	8.26	3	Vertical	58	1.49	-
AV	5.793G	112.55	Inf	-Inf	8.26	3	Vertical	58	1.49	-
PK	5.962G	63.05	68.20	-5.15	8.64	3	Vertical	58	1.49	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5785MHz_TX



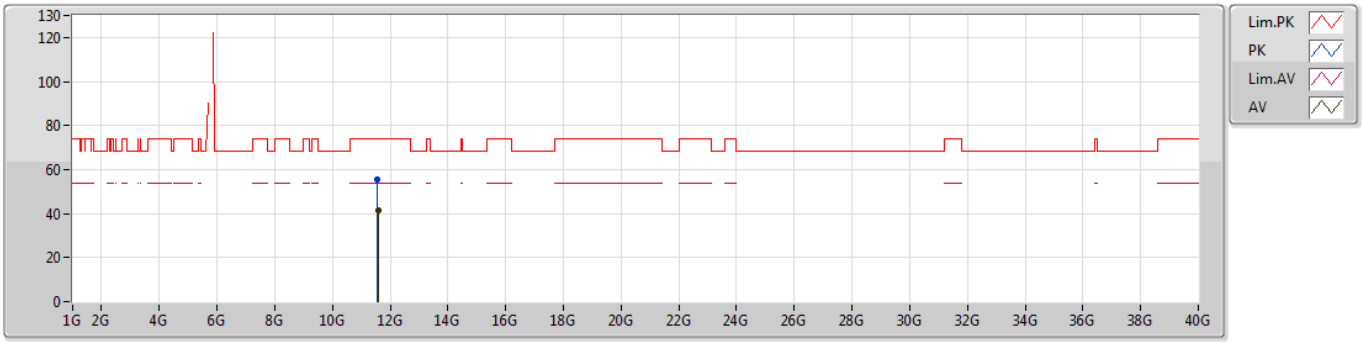
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58368G	55.05	74.00	-18.95	11.97	3	Vertical	143	1.96	-
AV	11.58476G	41.36	54.00	-12.64	11.97	3	Vertical	143	1.96	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5785MHz_TX



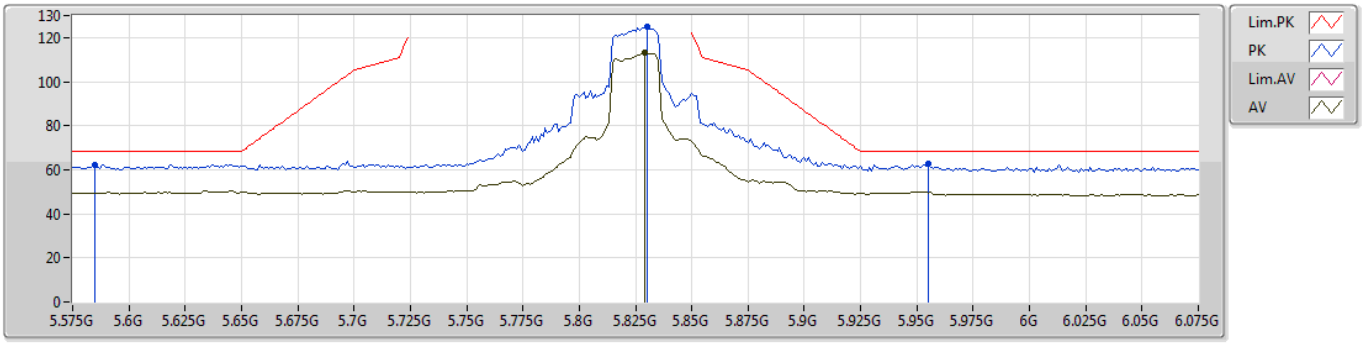
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.55512G	55.51	74.00	-18.49	11.96	3	Horizontal	133	2.39	-
AV	11.5796G	41.36	54.00	-12.64	11.97	3	Horizontal	133	2.39	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

07/05/2019

5825MHz_TX



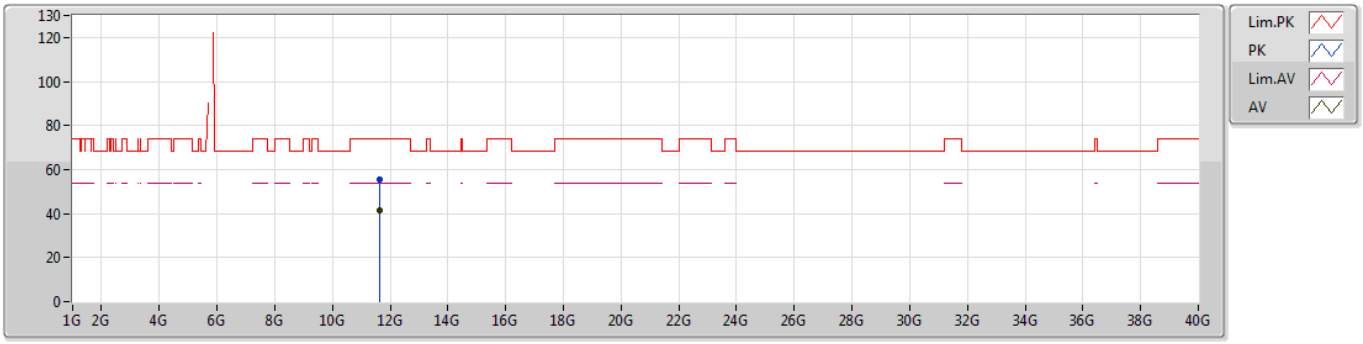
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.585G	62.42	68.20	-5.78	7.93	3	Vertical	297	1.90	-
PK	5.83G	125.16	Inf	-Inf	8.34	3	Vertical	297	1.90	-
AV	5.829G	113.03	Inf	-Inf	8.33	3	Vertical	297	1.90	-
PK	5.955G	62.57	68.20	-5.63	8.63	3	Vertical	297	1.90	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5825MHz_TX



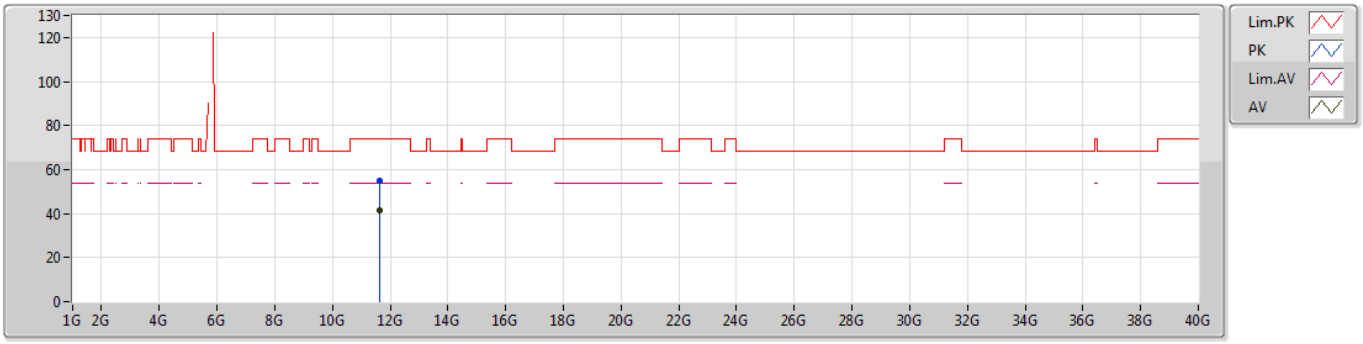
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.63728G	55.29	74.00	-18.71	11.99	3	Vertical	291	1.92	-
AV	11.63956G	41.48	54.00	-12.52	11.99	3	Vertical	291	1.92	-

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

13/07/2019

5825MHz_TX



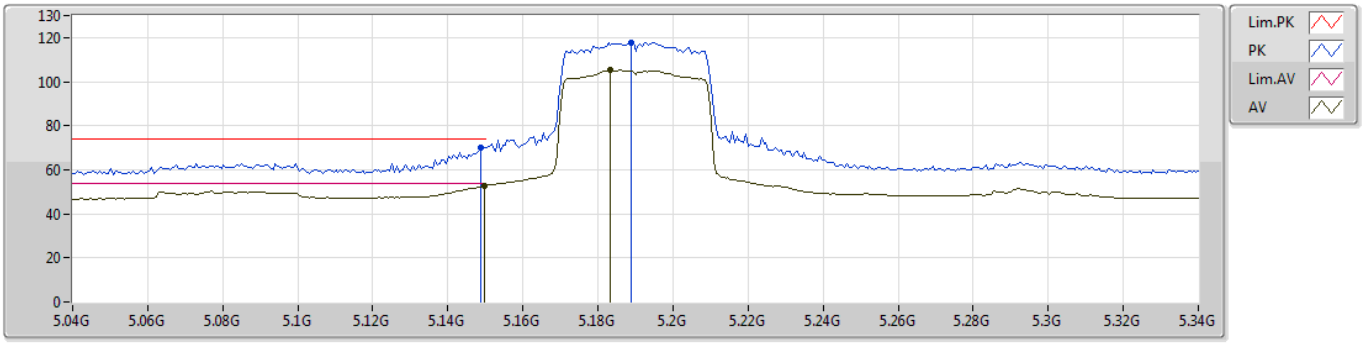
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.64286G	54.98	74.00	-19.02	11.99	3	Horizontal	358	1.19	-
AV	11.65468G	41.57	54.00	-12.43	12.00	3	Horizontal	358	1.19	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

07/05/2019



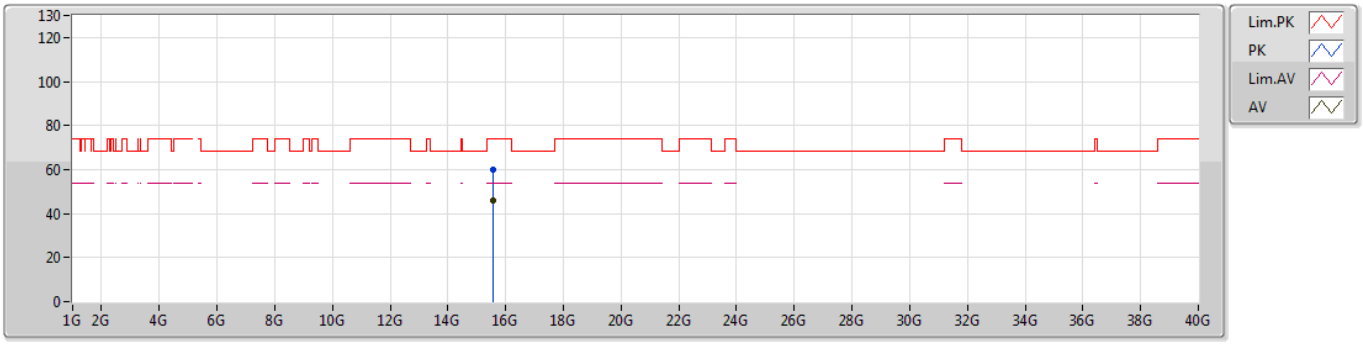
EUT Z_4TX
Setting 73
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1486G	70.12	74.00	-3.88	7.27	3	Vertical	267	1.86	-
AV	5.1498G	52.80	54.00	-1.20	7.27	3	Vertical	267	1.86	-
PK	5.1888G	117.92	Inf	-Inf	7.34	3	Vertical	267	1.86	-
AV	5.1834G	105.22	Inf	-Inf	7.34	3	Vertical	267	1.86	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5190MHz_TX



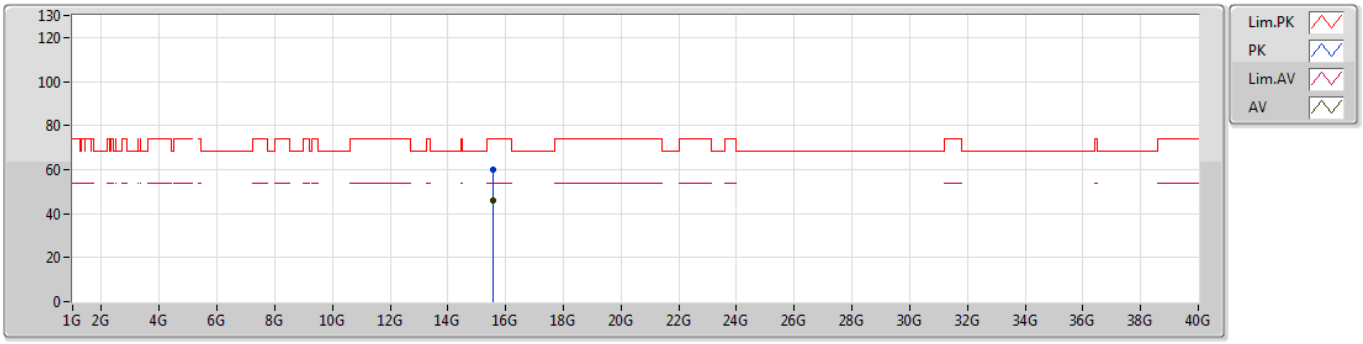
EUT Z_4TX
Setting 73
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.58332G	60.07	74.00	-13.93	14.41	3	Vertical	348	1.09	-
AV	15.58206G	45.94	54.00	-8.06	14.41	3	Vertical	348	1.09	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5190MHz_TX



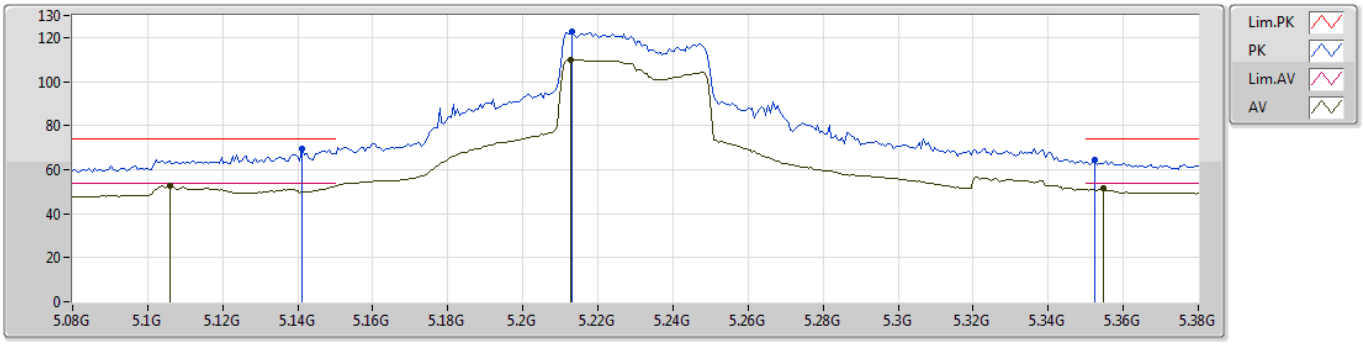
EUT Z_4TX
Setting 73
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.57048G	60.19	74.00	-13.81	14.42	3	Horizontal	112	2.27	-
AV	15.579G	45.81	54.00	-8.19	14.41	3	Horizontal	112	2.27	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

07/05/2019



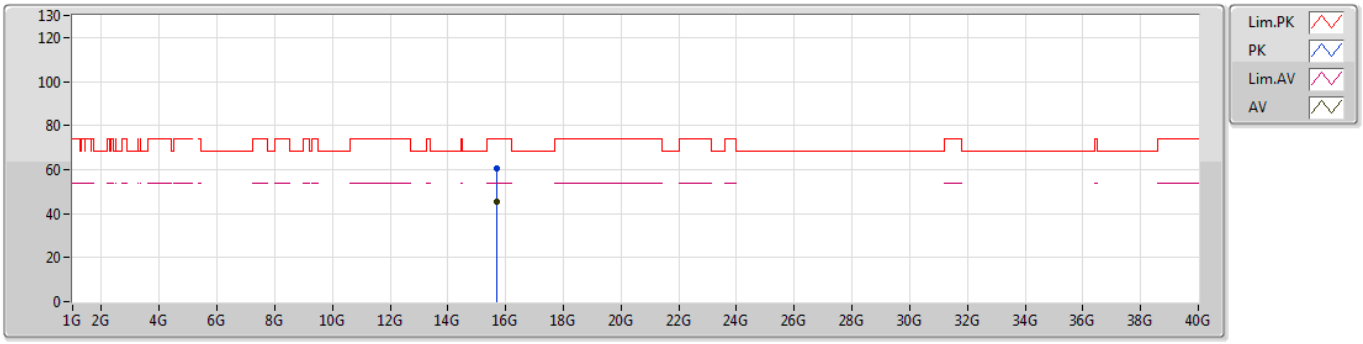
EUT Z_4TX
Setting 96
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1412G	69.35	74.00	-4.65	7.26	3	Vertical	84	1.50	-
AV	5.1058G	52.76	54.00	-1.24	7.21	3	Vertical	84	1.50	-
PK	5.2132G	122.87	Inf	-Inf	7.38	3	Vertical	84	1.50	-
AV	5.2126G	109.79	Inf	-Inf	7.38	3	Vertical	84	1.50	-
PK	5.3524G	64.39	74.00	-9.61	7.55	3	Vertical	84	1.50	-
AV	5.3548G	51.57	54.00	-2.43	7.55	3	Vertical	84	1.50	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5230MHz_TX



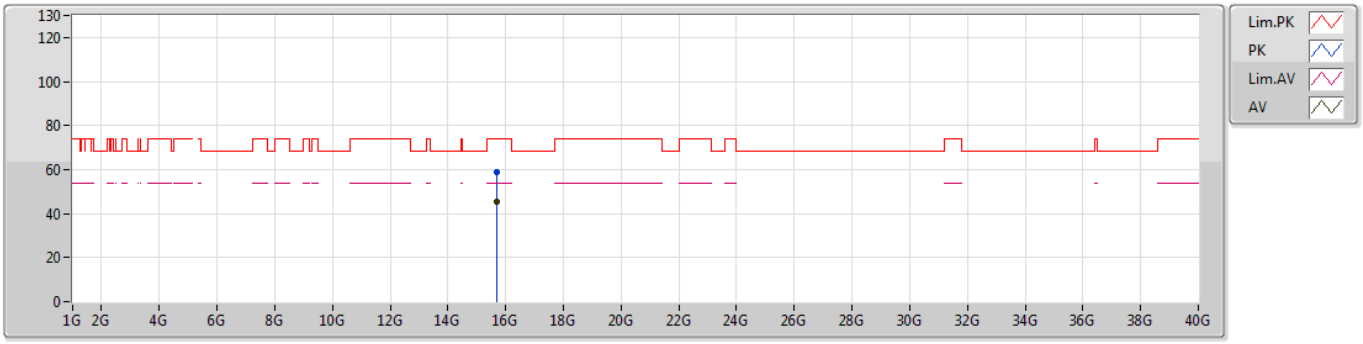
EUT Z_4TX
Setting 96
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.67674G	60.50	74.00	-13.50	14.29	3	Vertical	271	1.50	-
AV	15.67698G	45.64	54.00	-8.36	14.29	3	Vertical	271	1.50	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5230MHz_TX



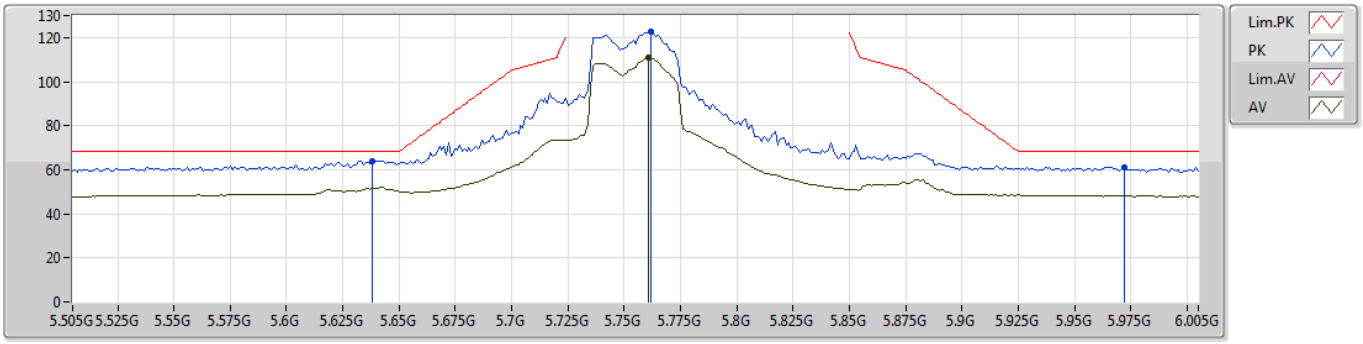
EUT Z_4TX
Setting 96
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.67872G	58.98	74.00	-15.02	14.29	3	Horizontal	281	1.50	-
AV	15.6789G	45.57	54.00	-8.43	14.29	3	Horizontal	281	1.50	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

07/05/2019



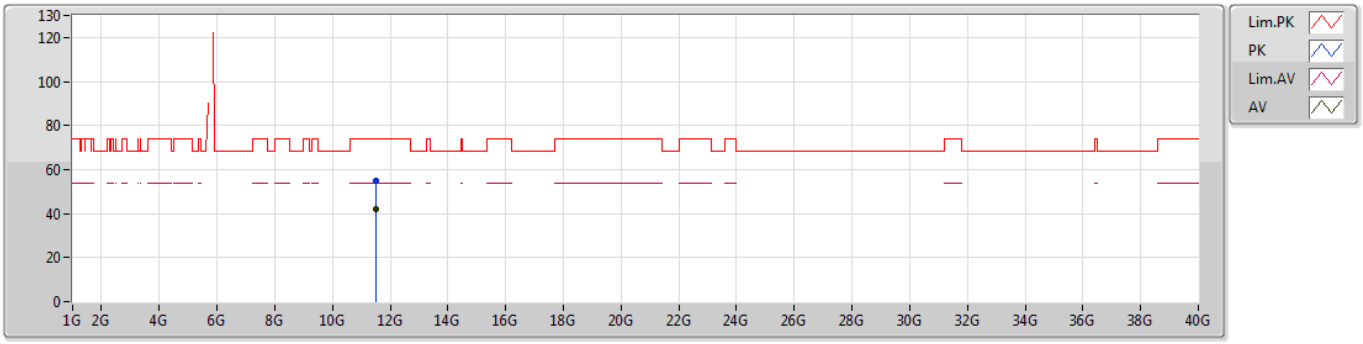
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.638G	63.92	68.20	-4.28	8.01	3	Vertical	163	1.60	-
PK	5.762G	122.85	Inf	-Inf	8.22	3	Vertical	163	1.60	-
AV	5.761G	110.72	Inf	-Inf	8.22	3	Vertical	163	1.60	-
PK	5.972G	61.18	68.20	-7.02	8.66	3	Vertical	163	1.60	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5755MHz_TX



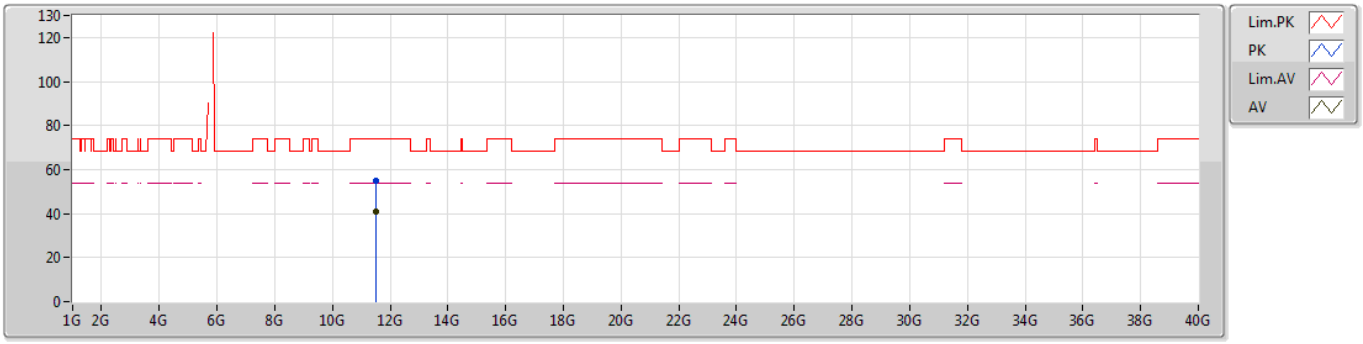
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51012G	54.84	74.00	-19.16	11.93	3	Vertical	344	2.32	-
AV	11.50988G	42.09	54.00	-11.91	11.93	3	Vertical	344	2.32	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5755MHz_TX



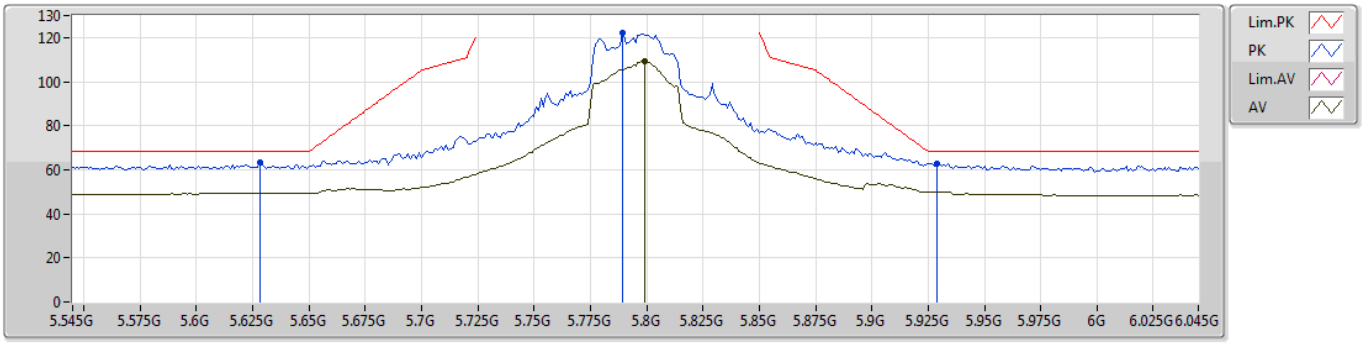
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.52422G	54.68	74.00	-19.32	11.93	3	Horizontal	193	1.10	-
AV	11.49932G	41.02	54.00	-12.98	11.93	3	Horizontal	193	1.10	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

07/05/2019



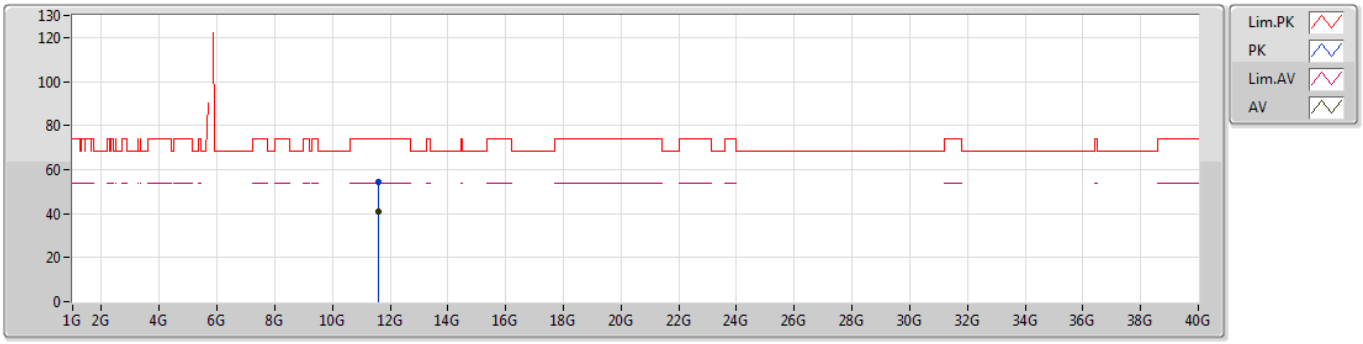
EUT Z_4TX
Setting 100
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.628G	63.12	68.20	-5.08	7.99	3	Vertical	59	1.72	-
PK	5.789G	121.98	Inf	-Inf	8.24	3	Vertical	59	1.72	-
AV	5.799G	109.15	Inf	-Inf	8.27	3	Vertical	59	1.72	-
PK	5.929G	62.90	68.20	-5.30	8.56	3	Vertical	59	1.72	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5795MHz_TX



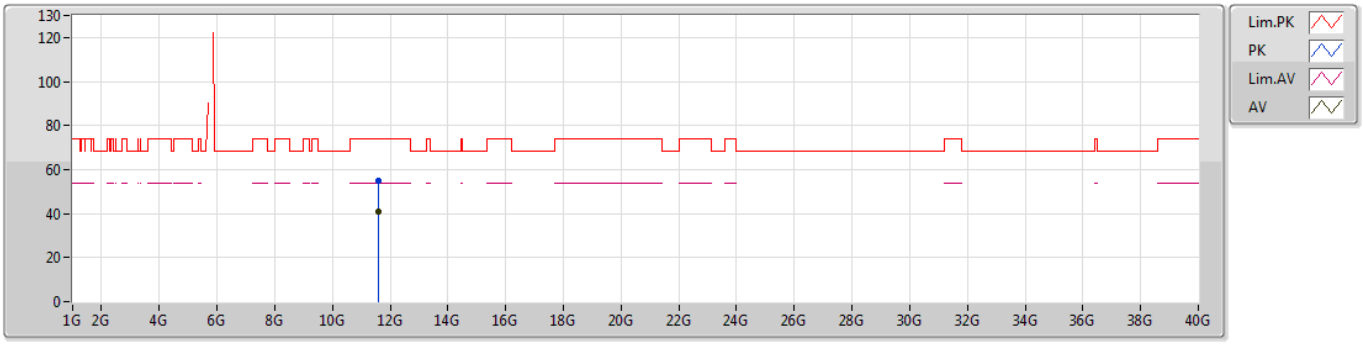
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58958G	54.39	74.00	-19.61	11.97	3	Vertical	13	1.52	-
AV	11.58418G	40.65	54.00	-13.35	11.97	3	Vertical	13	1.52	-

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

13/07/2019

5795MHz_TX



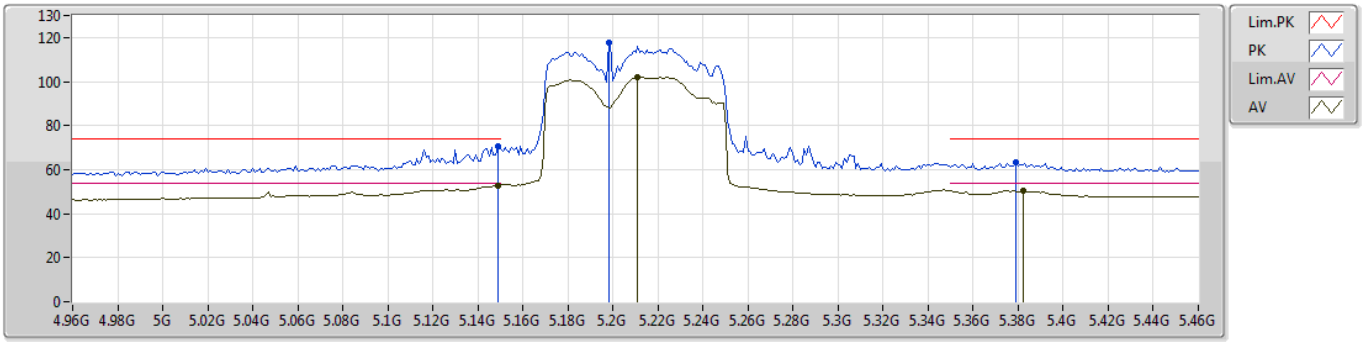
EUT Z_4TX
Setting 100
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59114G	54.93	74.00	-19.07	11.97	3	Horizontal	337	1.90	-
AV	11.5789G	40.72	54.00	-13.28	11.97	3	Horizontal	337	1.90	-

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

07/05/2019



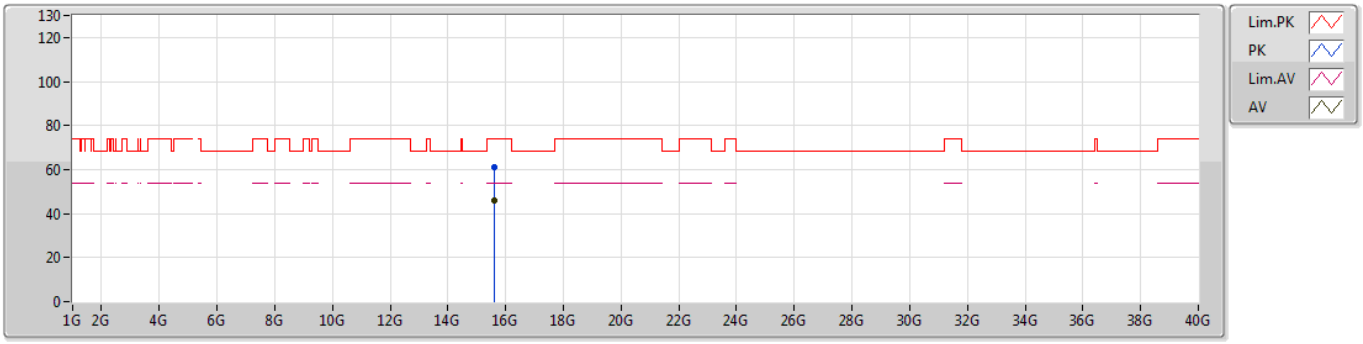
EUT Z_4TX
Setting 77
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149G	70.56	74.00	-3.44	7.27	3	Vertical	87	1.68	-
AV	5.149G	52.84	54.00	-1.16	7.27	3	Vertical	87	1.68	-
PK	5.198G	117.87	Inf	-Inf	7.36	3	Vertical	87	1.68	-
AV	5.211G	101.80	Inf	-Inf	7.38	3	Vertical	87	1.68	-
PK	5.379G	63.36	74.00	-10.64	7.59	3	Vertical	87	1.68	-
AV	5.382G	50.52	54.00	-3.48	7.59	3	Vertical	87	1.68	-

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

13/07/2019

5210MHz_TX



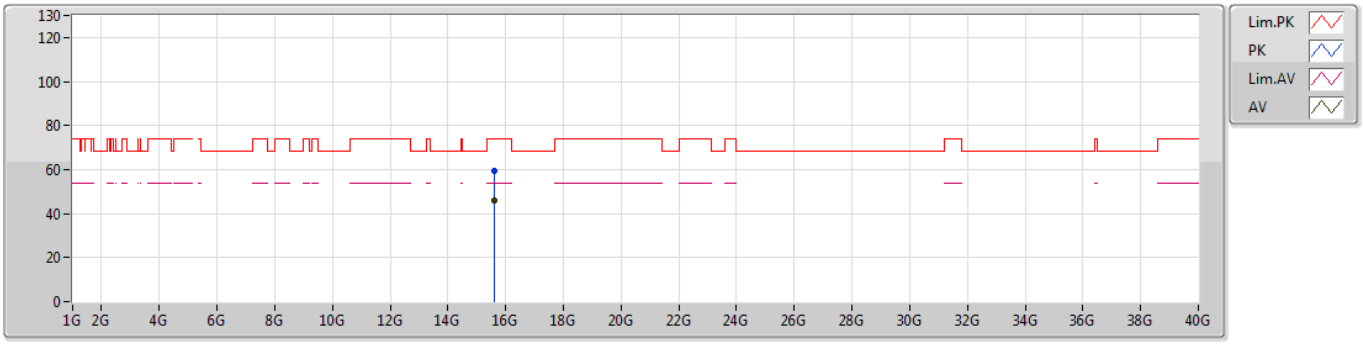
EUT Z_4TX
Setting 77
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.61608G	60.89	74.00	-13.11	14.37	3	Vertical	306	1.28	-
AV	15.6222G	45.85	54.00	-8.15	14.36	3	Vertical	306	1.28	-

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

13/07/2019

5210MHz_TX



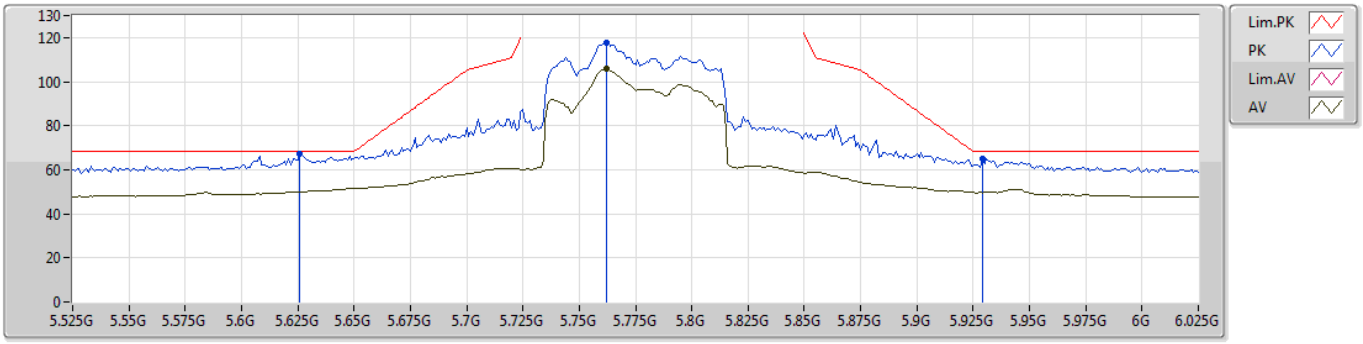
EUT Z_4TX
Setting 77
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62562G	59.25	74.00	-14.75	14.35	3	Horizontal	334	1.04	-
AV	15.61626G	45.97	54.00	-8.03	14.37	3	Horizontal	334	1.04	-

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

07/05/2019



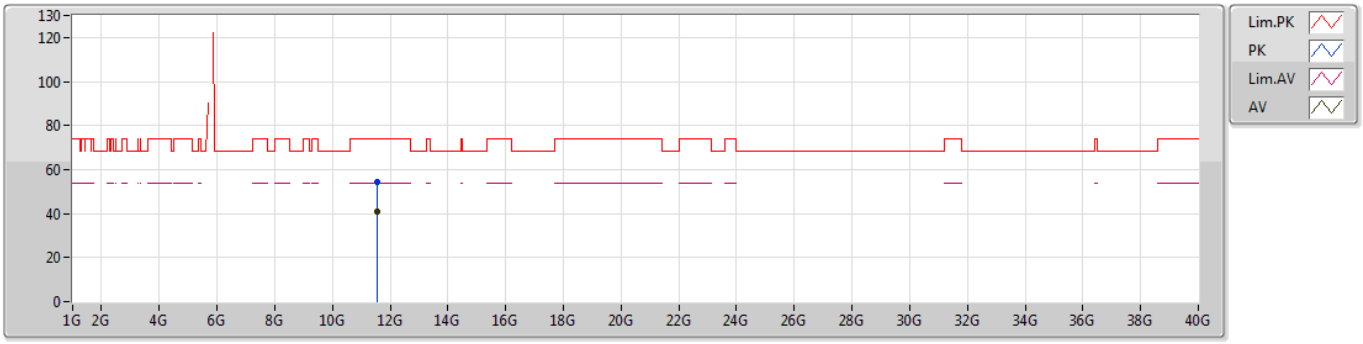
EUT Z_4TX
Setting 92
06-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.626G	67.08	68.20	-1.12	7.99	3	Vertical	160	1.52	-
PK	5.762G	117.84	Inf	-Inf	8.22	3	Vertical	160	1.52	-
AV	5.762G	105.63	Inf	-Inf	8.22	3	Vertical	160	1.52	-
PK	5.929G	65.01	68.20	-3.19	8.56	3	Vertical	160	1.52	-

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

13/07/2019

5775MHz_TX



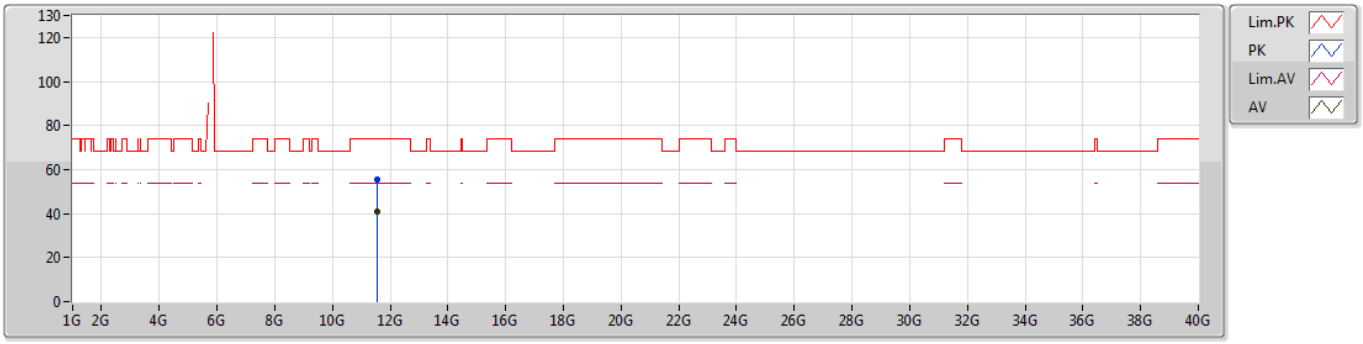
EUT Z_4TX
Setting 92
01-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5623G	54.63	74.00	-19.37	11.96	3	Vertical	212	2.03	-
AV	11.54064G	40.98	54.00	-13.02	11.95	3	Vertical	212	2.03	-

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

13/07/2019

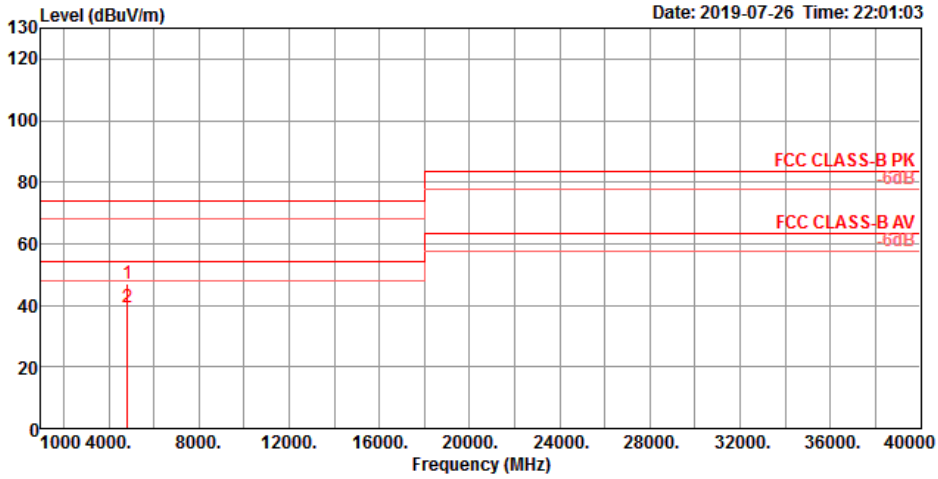
5775MHz_TX



EUT Z_4TX
Setting 92
01-E-2
FSP

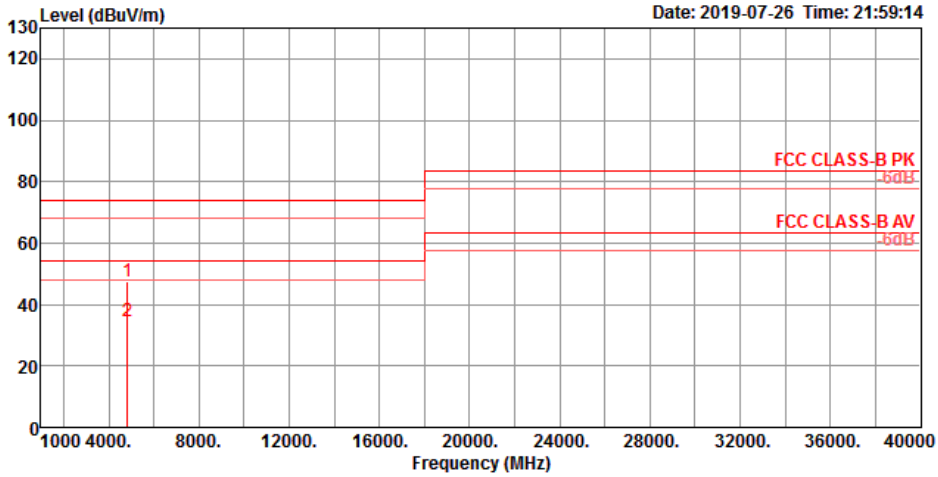
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56308G	55.34	74.00	-18.66	11.96	3	Horizontal	140	1.50	-
AV	11.54418G	40.80	54.00	-13.20	11.95	3	Horizontal	140	1.50	-

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	4823.16	46.93	74.00	-27.07	41.14	8.24	33.83	36.28	106	148	Peak	HORIZONTAL
2	4824.00	39.18	54.00	-14.82	33.39	8.24	33.83	36.28	106	148	Average	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	4823.99	47.57	74.00	-26.43	41.78	8.24	33.83	36.28	136	92	Peak	VERTICAL
2	4826.24	34.74	54.00	-19.26	28.92	8.24	33.86	36.28	136	92	Average	VERTICAL