FCC RADIO TEST REPORT

FCC ID	:	G95-CGA4233
Equipment	:	Cable Modem DOCSIS 3.1
Trade Name	:	technicolor
Model Number	:	CGA4233WXYZ, CGA4233TLV , CGA4233TGC, CGA4233CLC, CGA4233XXX (Refer to section 1.1.5 for more details)
Product Code	:	CGA4233WXYZ (Refer to section 1.1.5 for more details)
Applicant	:	Technicolor Connected Home USA LLC 5030 Sugarloaf Parkway Building 6, Lawrenceville, Georgia, United States
Manufacturer	:	Technicolor Connected Home USA LLC 5030 Sugarloaf Parkway Building 6, Lawrenceville, Georgia, United States
Standard	:	47 CFR FCC Part 15.407

The product was received on Oct. 04, 2019, and testing was started from Oct. 04, 2019 and completed on Oct. 31, 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: Sam Chen

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History of this test report

Report No.	Version	Description	Issued Date
FR9O0421AB	01	Initial issue of report	Nov. 27, 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:

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

Reviewed by: Sam Chen

Report Producer: Cindy Peng

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	-	-	-	-
2	2	-	-	-	-
3	3	-	-	-	-
4	4	-	-	-	-

Number of Transmit Antennas & Bandwidth

Number of Transmit Antennas	4TX		
Bandwidth Mode	20 MHz	40 MHz	80 MHz
802.11a	V	X	X
802.11n	V	V	X
802.11ac	V	V	V

Frequency	Antenna Gain (dBi) for CDD mode											
	Ant. 1 (Port 1)			Ant. 2 (Port 2)			Ant. 3 (Port 3)			Ant. 4 (Port 4)		
	20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz
5180MHz	4.78	-	-	4.01	-	-	3.09	-	-	3.52	-	-
5190MHz	-	4.78	-	-	4.01	-	-	3.23	-	-	3.56	-
5200MHz	4.49	-	-	3.76	-	-	3.23	-	-	3.56	-	-
5210MHz	-	-	4.82	-	-	4.20	-	-	3.23	-	-	3.56
5230MHz	-	4.97	-	-	4.36	-	-	3.23	-	-	3.66	-
5240MHz	4.97	-	-	4.36	-	-	3.23	-	-	3.66	-	-
5745MHz	4.74	-	-	3.64	-	-	4.07	-	-	3.97	-	-
5755MHz	-	4.88	-	-	3.69	-	-	4.01	-	-	4.09	-
5775MHz	-	-	4.63	-	-	3.56	-	-	3.94	-	-	4.12
5785MHz	4.63	-	-	3.56	-	-	3.94	-	-	4.12	-	-
5795MHz	-	4.52	-	-	3.42	-	-	3.81	-	-	3.99	-
5825MHz	5.02	-	-	3.68	-	-	3.77	-	-	4.12	-	-

Frequency	Directional Gain (dBi) for TxBF mode		
	4 TX for TxBF mode		
	20 MHz	40 MHz	80 MHz
5180MHz	7.21	-	-
5190MHz	-	7.21	-
5200MHz	6.98	-	-
5210MHz	-	-	7.09
5230MHz	-	7.14	-
5240MHz	7.14	-	-
5745MHz	6.57	-	-
5755MHz	-	6.56	-
5775MHz	-	-	6.59
5785MHz	6.59	-	-
5795MHz	-	6.74	-
5825MHz	6.83	-	-

Note: The above information was declared by manufacturer.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.971	0.13	3.831m	300
802.11ac VHT40	0.972	0.12	954.375u	3k
802.11ac VHT40-BF	0.951	0.22	3.69m	300
802.11ac VHT80	0.824	0.84	463.125u	3k
802.11ac VHT80-BF	0.955	0.2	5.09m	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 11n/ac in 5GHz.			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	version 10.10.122.20(r683106 WLTEST)FWID01-1c497f81			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The model numbers in the following table are all refer to the identical product.

Model Number	Description	Difference
CGA4233WXYZ	where W, X, Y and Z characters can be replaced by either alphanumeric character between A and Z and between 0 and 9 or "-" or "." or "blank"	For marketing reason the same product will be covered by different name.
CGA4233TLV	-	
CGA4233TGC	-	
CGA4233CLC	-	
CGA4233XXX	where X character can be replaced by either alphanumeric character between A and Z and between 0 and 9 or "-" or "." or "blank"	

From the above, model: CGA4233TLV 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

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	Eddie Weng	24~25.4°C / 56~60%	Oct. 15, 2019~Oct. 31, 2019
Radiated below 1GHz	03CH04-CB	Stim Sung	24.4~25°C / 57~58%	Oct. 04, 2019~Oct. 22, 2019
Radiated above 1GHz	03CH03-CB	Stim Sung	24.2~25.3°C / 51~54%	Oct. 04, 2019~Oct. 22, 2019
AC Conduction	CO01-CB	Rick Yeh	25~26°C / 45~46%	Oct. 22, 2019

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

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	79
5200MHz	80
5240MHz	92
5745MHz	95
5785MHz	98
5825MHz	96
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	67
5230MHz	88
5755MHz	88
5795MHz	88
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	70
5775MHz	77
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	77
5200MHz	76
5240MHz	90
5745MHz	87
5785MHz	89
5825MHz	97
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	66
5230MHz	88
5755MHz	88
5795MHz	88
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	70
5775MHz	77

Note:
- 11a CDD modes can be covered by 11ac 20M CDD
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two functions of EUT, one is beamforming function, and the other is non-beamforming function for for 11n/ac in 5GHz. All test results were recorded in the report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	WLAN 2.4GHz
2	WLAN 5GHz
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	WLAN 2.4GHz
2	WLAN 5GHz
For operating mode 1 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	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA9O0421AA for Co-location RF Exposure Evaluation.	

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

2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For beamforming 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 PUTTY、Iperf.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN Card and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Rating**
1	Adapter	HOIOTO	ADS-36FKJ-12 12036EPBR	INPUT: 100-240V ~ 50/60Hz, Max. 1.0A OUTPUT: 12V, 3.0A

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

For Radiated (below 1GHz):

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

For Radiated (above 1GHz) and RF Conducted:
For non-beamforming mode:

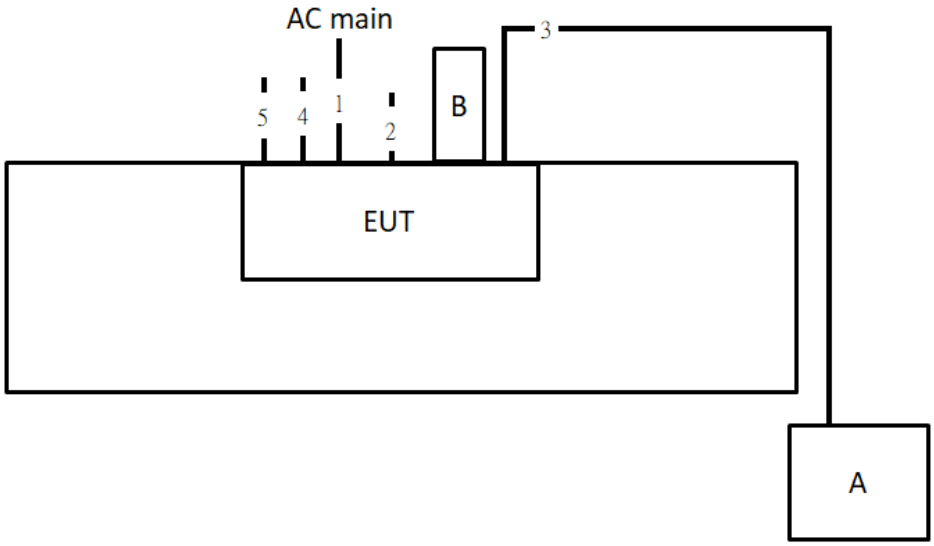
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A

For beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	WLAN card	ASUS	PCE-88U	MSQ-PCIE0U00

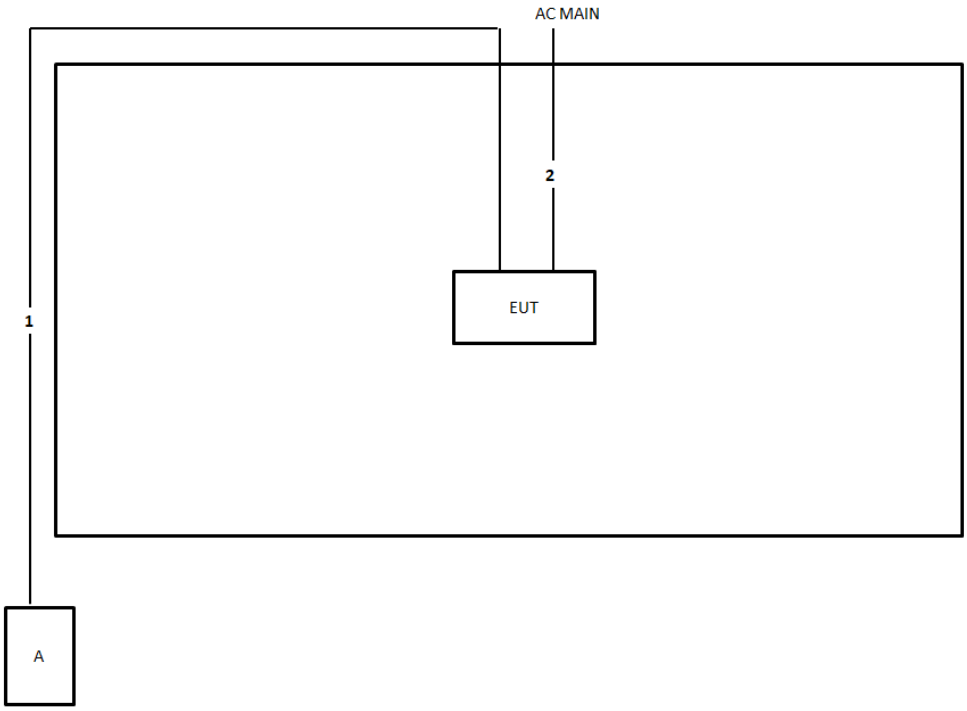
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

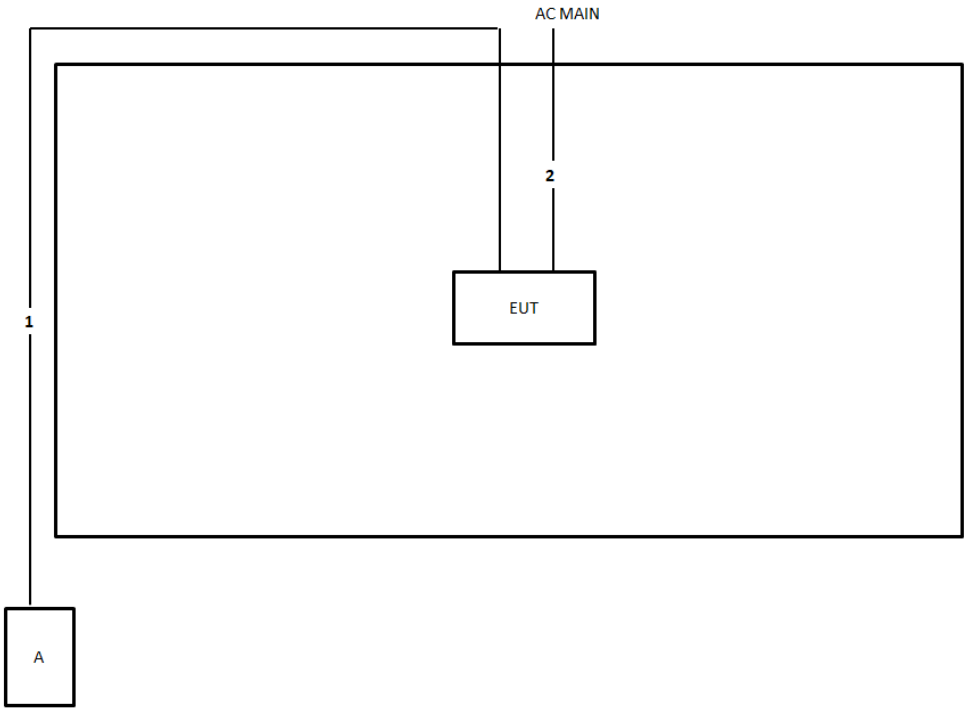
Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz

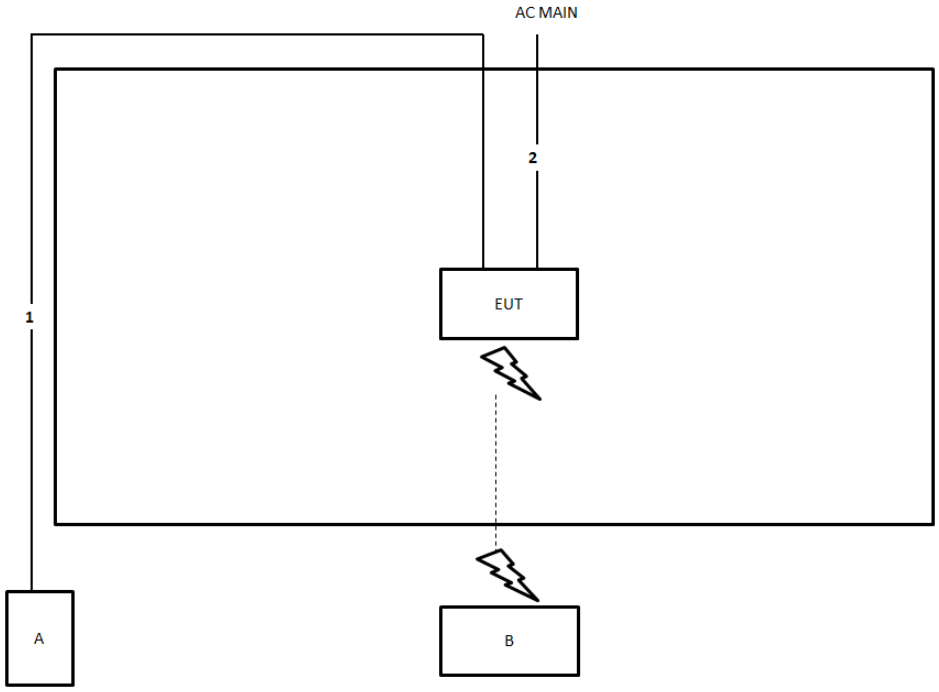
For non-beamforming mode:



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m

Test Setup Diagram - Radiated Test > 1GHz

For beamforming mode:



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	1.8m

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

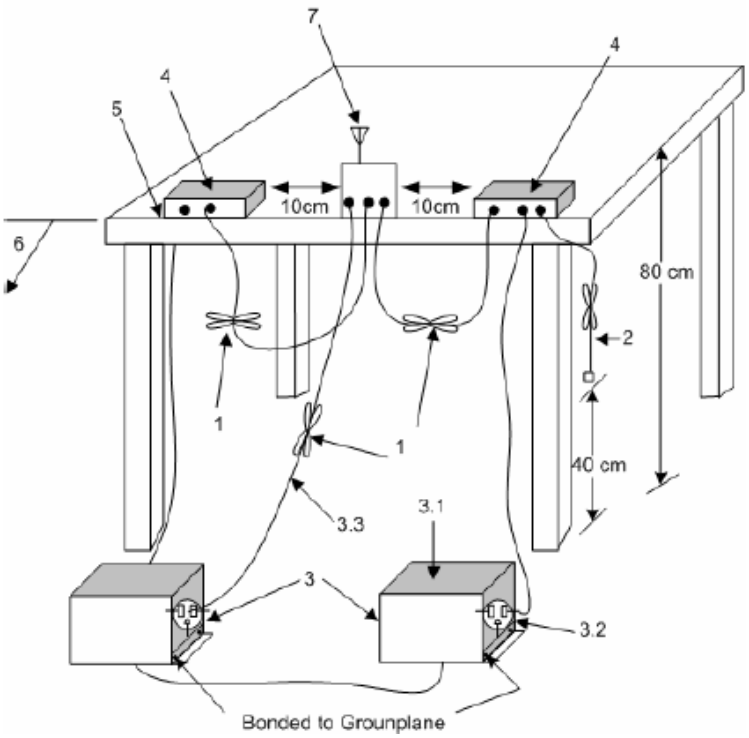
Refer a test equipment and calibration data table in this test report.

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.

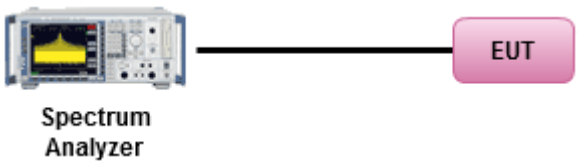
3.2.2 Measuring Instruments

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.	

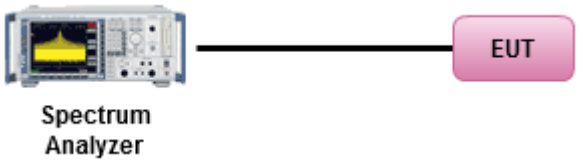
3.4.2 Measuring Instruments

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.

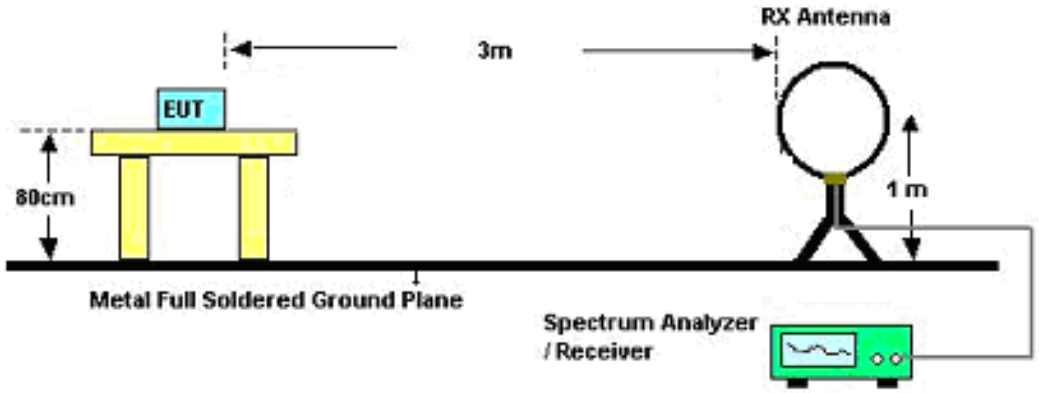
3.5.3 Test Procedures

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.			

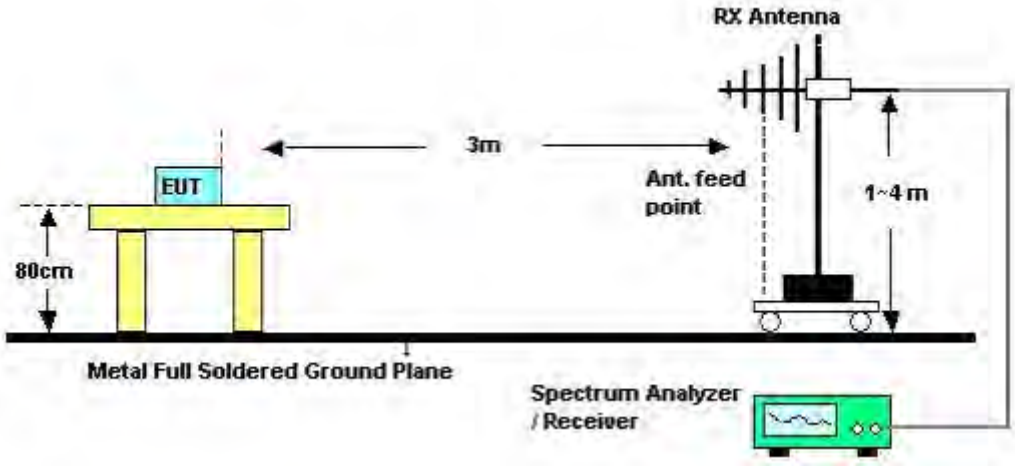
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

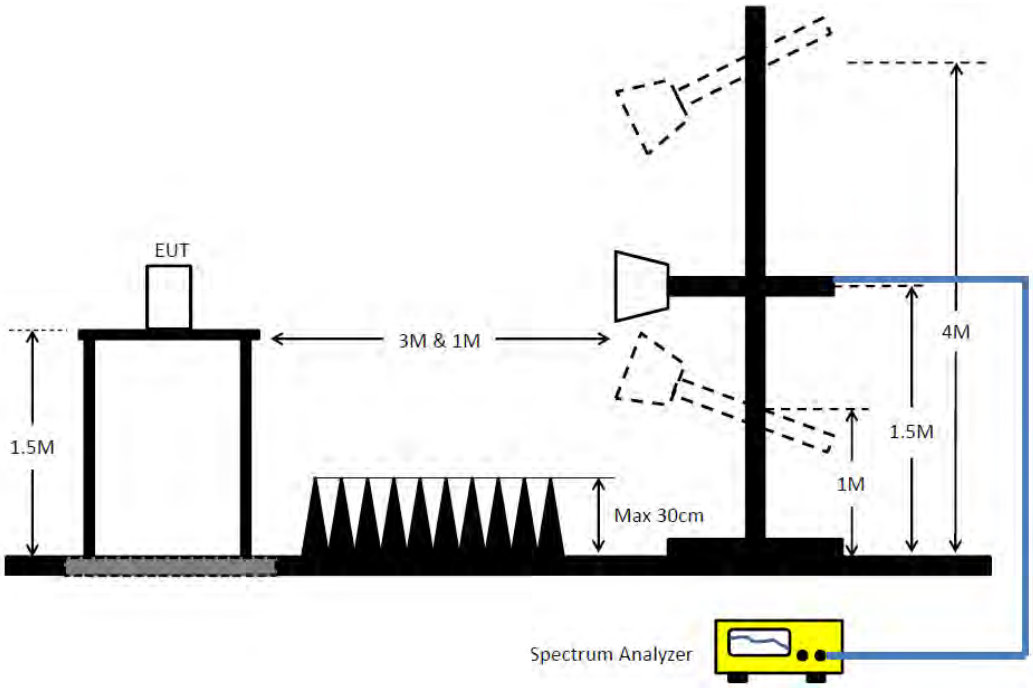
9kHz ~30MHz



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 (03CH04-CB)
Bilog Antenna with 6 dB attenuator	Schaffner	CBL6112B & N-6-06	2928 & AT-N0607	20MHz ~ 2GHz	Jan. 02, 2019	Jan. 01, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	6821	750MHz~18GHz	Jan. 24, 2019	Jan. 23, 2020	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 27, 2019	Jun. 26, 2020	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Dec. 20, 2018	Dec. 19, 2019	Radiation (03CH03-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 19, 2019	Jun. 18, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-27	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)

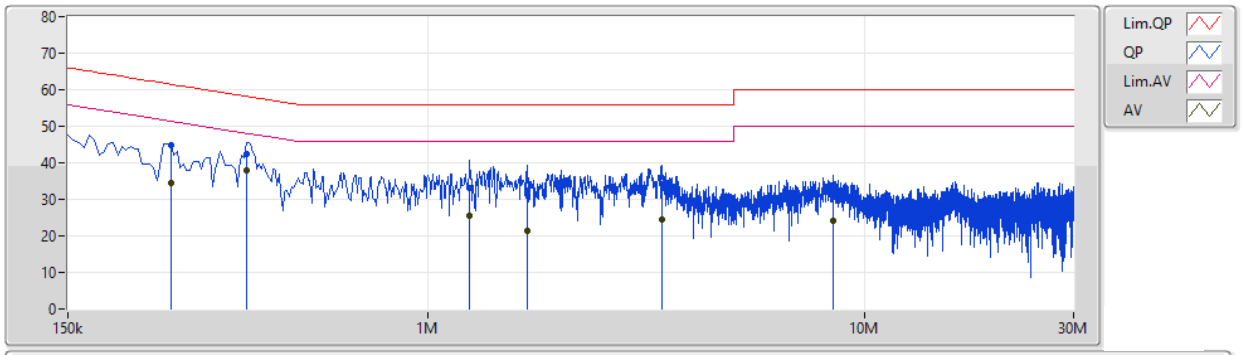
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH03-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	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.

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

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

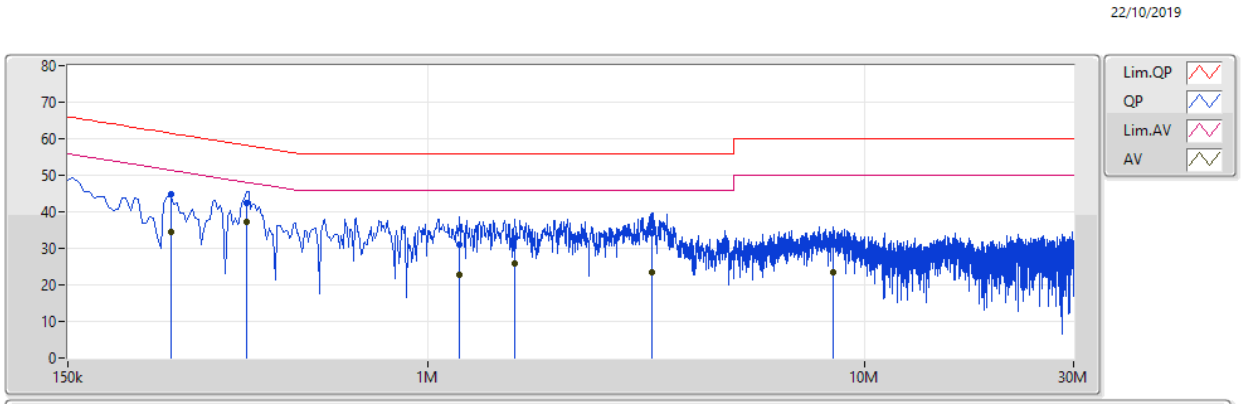
22/10/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	258k	44.68	61.49	-16.81	9.92	Line	-	34.76	0.06	0.06	9.80
AV	258k	34.58	51.49	-16.91	9.92	Line	-	24.66	0.06	0.06	9.80
QP	384k	42.39	58.20	-15.81	9.93	Line	-	32.46	0.06	0.06	9.81
AV	384k	37.94	48.20	-10.26	9.93	Line	"Worst"	28.01	0.06	0.06	9.81
QP	1.248M	33.18	56.00	-22.82	10.00	Line	-	23.18	0.08	0.10	9.82
AV	1.248M	25.40	46.00	-20.60	10.00	Line	-	15.40	0.08	0.10	9.82
QP	1.685M	32.28	56.00	-23.72	10.03	Line	-	22.25	0.09	0.11	9.83
AV	1.685M	21.55	46.00	-24.45	10.03	Line	-	11.52	0.09	0.11	9.83
QP	3.422M	34.02	56.00	-21.98	10.08	Line	-	23.94	0.11	0.16	9.81
AV	3.422M	24.58	46.00	-21.42	10.08	Line	-	14.50	0.11	0.16	9.81
QP	8.444M	30.82	60.00	-29.18	10.31	Line	-	20.51	0.19	0.22	9.90
AV	8.444M	24.20	50.00	-25.80	10.31	Line	-	13.89	0.19	0.22	9.90

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	258k	44.66	61.49	-16.83	9.90	Neutral	-	34.76	0.04	0.06	9.80
AV	258k	34.57	51.49	-16.92	9.90	Neutral	-	24.67	0.04	0.06	9.80
QP	384k	42.34	58.20	-15.86	9.91	Neutral	-	32.43	0.04	0.06	9.81
AV	384k	37.35	48.20	-10.85	9.91	Neutral	"Worst"	27.44	0.04	0.06	9.81
QP	1.181M	30.93	56.00	-25.07	9.98	Neutral	-	20.95	0.06	0.10	9.82
AV	1.181M	22.71	46.00	-23.29	9.98	Neutral	-	12.73	0.06	0.10	9.82
QP	1.581M	32.64	56.00	-23.36	10.01	Neutral	-	22.63	0.07	0.11	9.83
AV	1.581M	25.93	46.00	-20.07	10.01	Neutral	-	15.92	0.07	0.11	9.83
QP	3.264M	34.29	56.00	-21.71	10.07	Neutral	-	24.22	0.09	0.16	9.82
AV	3.264M	23.33	46.00	-22.67	10.07	Neutral	-	13.26	0.09	0.16	9.82
QP	8.48M	30.87	60.00	-29.13	10.29	Neutral	-	20.58	0.17	0.22	9.90
AV	8.48M	23.55	50.00	-26.45	10.29	Neutral	-	13.26	0.17	0.22	9.90

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	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	41.55M	18.411M	18M4D1D	21.81M	17.781M
802.11ac VHT40_Nss1,(MCS0)_4TX	80.88M	36.462M	36M5D1D	39.72M	36.162M
802.11ac VHT80_Nss1,(MCS0)_4TX	99.48M	75.082M	75M1D1D	81.12M	74.843M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	36.54M	17.931M	17M9D1D	21.6M	17.631M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	83.4M	36.642M	36M6D1D	40.02M	36.162M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	81.48M	75.082M	75M1D1D	79.92M	74.843M
5.725-5.85GHz	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	17.61M	27.676M	27M7D1D	17.55M	21.469M
802.11ac VHT40_Nss1,(MCS0)_4TX	36.36M	37.001M	37M0D1D	36.3M	36.582M
802.11ac VHT80_Nss1,(MCS0)_4TX	76.32M	76.042M	76M0D1D	75.72M	75.682M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	17.67M	21.319M	21M3D1D	16.5M	18.021M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	36.36M	39.04M	39M0D1D	31.74M	36.882M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	76.2M	76.042M	76M0D1D	74.88M	75.682M

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

Result

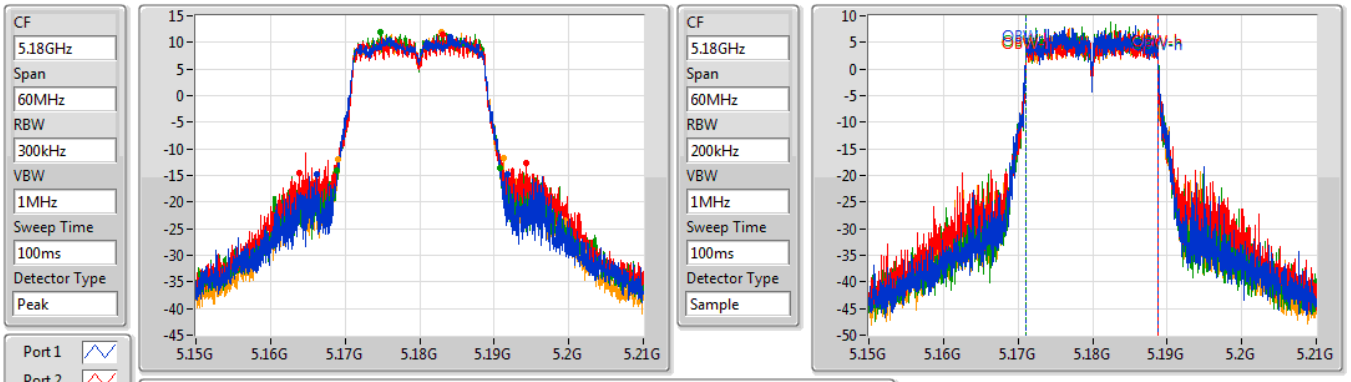
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.59M	17.811M	30.51M	17.781M	21.81M	17.811M	22.26M	17.811M
5200MHz	Pass	Inf	22.05M	17.781M	22.74M	17.781M	25.98M	17.811M	31.35M	17.841M
5240MHz	Pass	Inf	38.58M	17.931M	41.55M	18.411M	38.13M	17.991M	38.79M	17.961M
5745MHz	Pass	500k	17.61M	21.919M	17.58M	22.549M	17.55M	23.328M	17.55M	23.538M
5785MHz	Pass	500k	17.58M	23.358M	17.58M	27.676M	17.58M	24.348M	17.61M	26.207M
5825MHz	Pass	500k	17.58M	21.619M	17.55M	26.537M	17.58M	21.469M	17.58M	24.138M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.44M	36.162M	39.72M	36.282M	40.14M	36.222M	39.96M	36.342M
5230MHz	Pass	Inf	72.42M	36.402M	80.88M	36.462M	70.98M	36.402M	72.3M	36.462M
5755MHz	Pass	500k	36.3M	36.642M	36.36M	36.642M	36.36M	36.582M	36.3M	36.762M
5795MHz	Pass	500k	36.36M	37.001M	36.3M	36.882M	36.36M	36.582M	36.3M	36.702M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.44M	74.963M	99.48M	75.082M	81.12M	74.963M	81.6M	74.843M
5775MHz	Pass	500k	75.72M	75.922M	76.32M	76.042M	75.72M	75.682M	75.72M	75.922M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.84M	17.781M	27.36M	17.721M	21.63M	17.631M	21.84M	17.871M
5200MHz	Pass	Inf	21.6M	17.721M	24.33M	17.781M	21.72M	17.691M	21.9M	17.901M
5240MHz	Pass	Inf	36.03M	17.781M	36.54M	17.901M	34.44M	17.901M	35.25M	17.931M
5745MHz	Pass	500k	17.58M	18.051M	17.28M	18.081M	17.67M	18.201M	17.58M	18.051M
5785MHz	Pass	500k	17.61M	18.411M	17.55M	18.201M	17.55M	18.021M	17.58M	18.231M
5825MHz	Pass	500k	17.55M	20.48M	16.5M	21.319M	17.64M	19.4M	17.58M	20.33M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.08M	36.222M	49.08M	36.282M	40.02M	36.222M	40.08M	36.162M
5230MHz	Pass	Inf	66.78M	36.282M	83.4M	36.642M	76.44M	36.402M	77.58M	36.402M
5755MHz	Pass	500k	36.36M	36.882M	36M	37.541M	33.84M	37.061M	36.3M	37.961M
5795MHz	Pass	500k	36.3M	38.021M	31.74M	39.04M	36.36M	37.121M	35.46M	37.361M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.4M	75.082M	81.48M	74.843M	79.92M	75.082M	79.92M	74.963M
5775MHz	Pass	500k	75.72M	75.802M	76.2M	75.922M	74.88M	76.042M	75.36M	75.682M

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

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5180MHz

17/10/2019

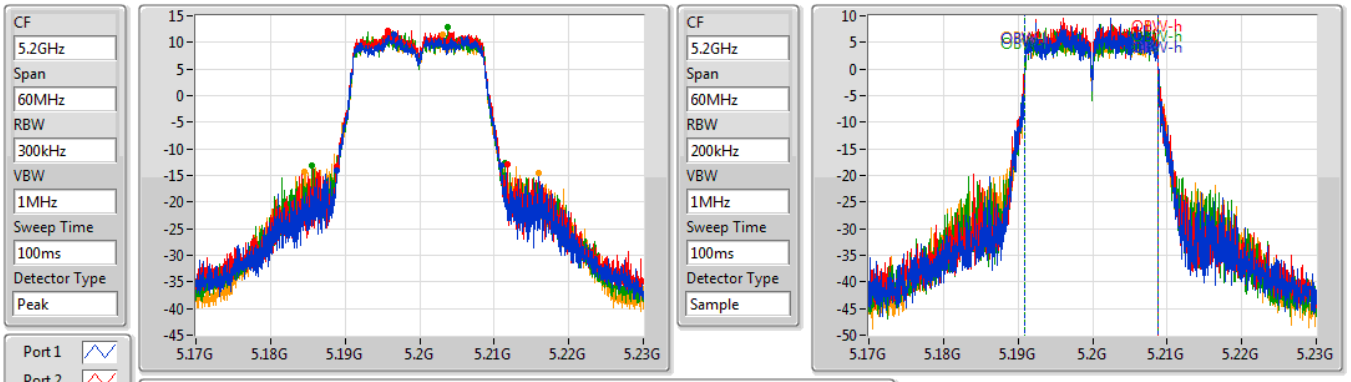


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.59M	5.16617G	5.19176G	17.811M	5.171004G	5.188816G	Inf	1
30.51M	5.16386G	5.19437G	17.781M	5.171034G	5.188816G	Inf	2
21.81M	5.16893G	5.19074G	17.811M	5.171004G	5.188816G	Inf	3
22.26M	5.16899G	5.19125G	17.811M	5.171004G	5.188816G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5200MHz

17/10/2019

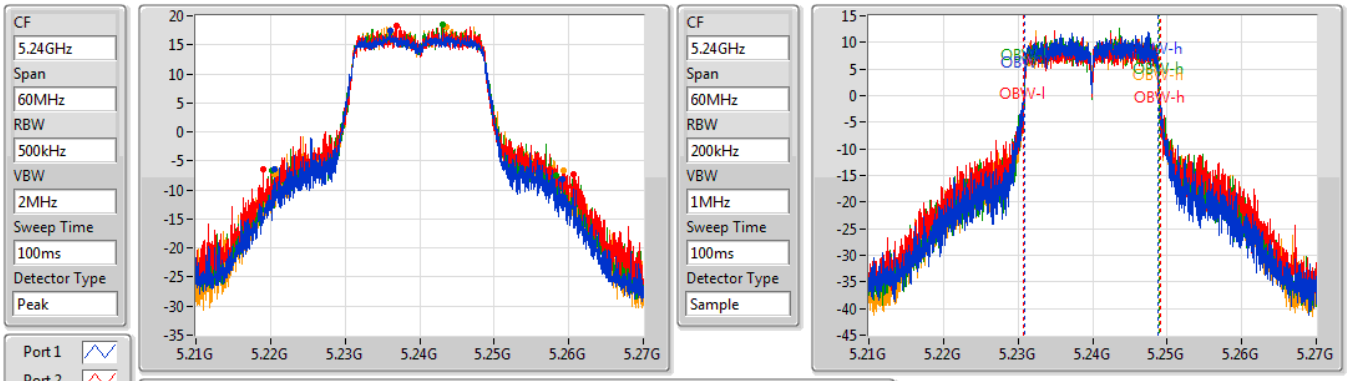


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.05M	5.18887G	5.21092G	17.781M	5.190975G	5.208756G	Inf	1
22.74M	5.18896G	5.2117G	17.781M	5.190975G	5.208756G	Inf	2
25.98M	5.18551G	5.21149G	17.811M	5.190975G	5.208786G	Inf	3
31.35M	5.18461G	5.21596G	17.841M	5.190945G	5.208786G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5240MHz

15/10/2019

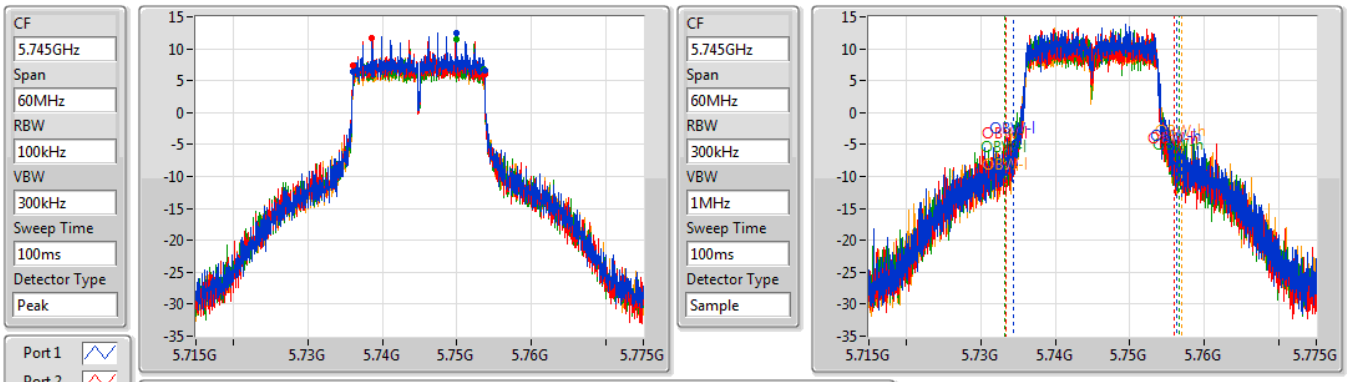


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.58M	5.22059G	5.25917G	17.931M	5.230885G	5.248816G	Inf	1
41.55M	5.21903G	5.26058G	18.411M	5.230645G	5.249055G	Inf	2
38.13M	5.22023G	5.25836G	17.991M	5.230885G	5.248876G	Inf	3
38.79M	5.22053G	5.25932G	17.961M	5.230915G	5.248876G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5745MHz

17/10/2019

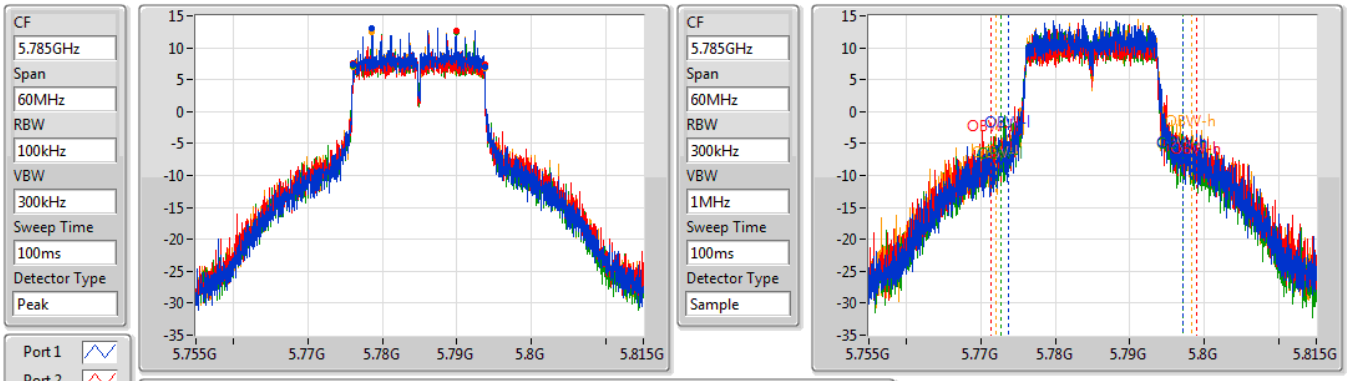


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.61M	5.73609G	5.7537G	21.919M	5.734355G	5.756274G	500k	1
17.58M	5.73612G	5.7537G	22.549M	5.733366G	5.755915G	500k	2
17.55M	5.73612G	5.75367G	23.328M	5.733276G	5.756604G	500k	3
17.55M	5.73612G	5.75367G	23.538M	5.733396G	5.756934G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5785MHz

15/10/2019

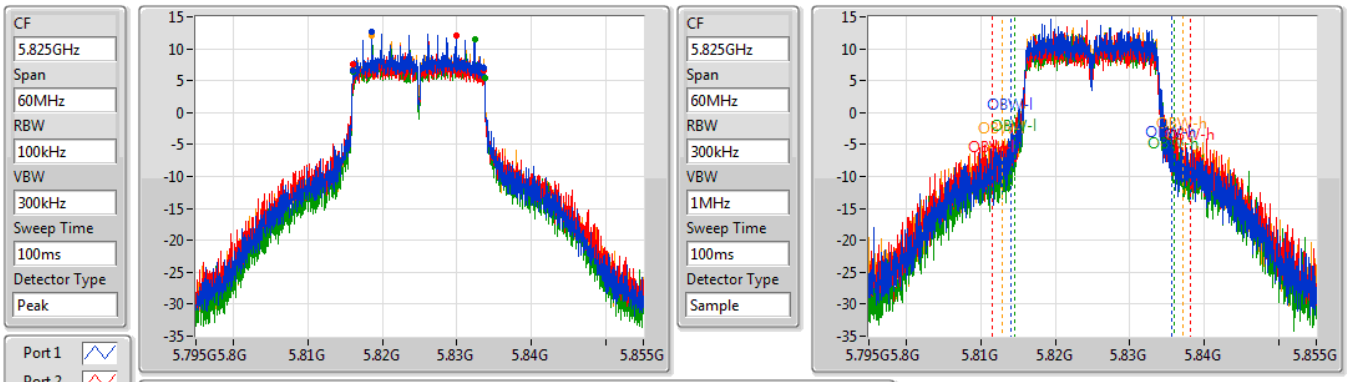


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.77612G	5.7937G	23.358M	5.773726G	5.797084G	500k	1
17.58M	5.77612G	5.7937G	27.676M	5.771327G	5.799003G	500k	2
17.58M	5.77612G	5.7937G	24.348M	5.772736G	5.797084G	500k	3
17.61M	5.77609G	5.7937G	26.207M	5.772046G	5.798253G	500k	4

802.11ac VHT20_Nss1,(MCS0)_4TX EBW

5825MHz

15/10/2019

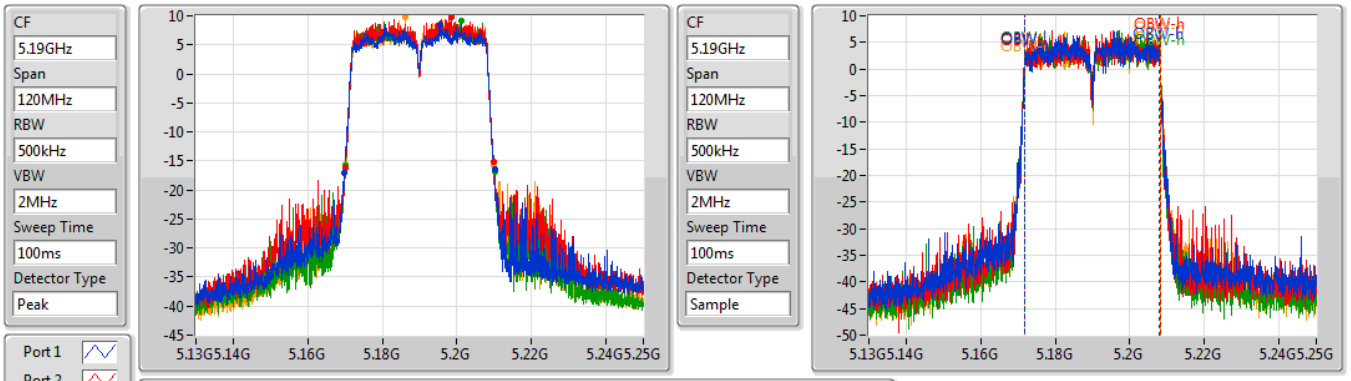


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.81609G	5.83367G	21.619M	5.814055G	5.835675G	500k	1
17.55M	5.81612G	5.83367G	26.537M	5.811567G	5.838103G	500k	2
17.58M	5.81612G	5.8337G	21.469M	5.814535G	5.836004G	500k	3
17.58M	5.81609G	5.83367G	24.138M	5.812946G	5.837084G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5190MHz

15/10/2019

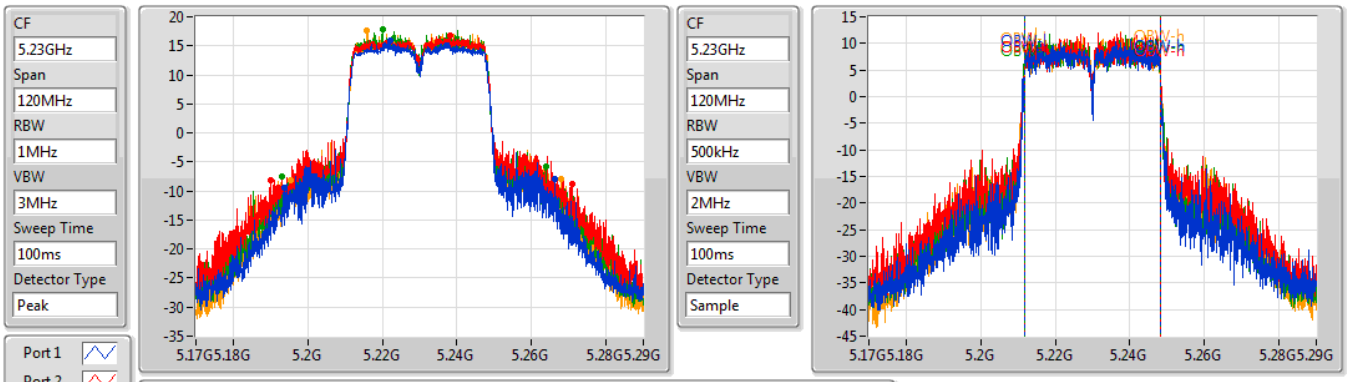


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	5.16978G	5.21022G	36.162M	5.171829G	5.207991G	Inf	1
39.72M	5.17014G	5.20986G	36.282M	5.171769G	5.208051G	Inf	2
40.14M	5.16996G	5.2101G	36.222M	5.171829G	5.208051G	Inf	3
39.96M	5.16996G	5.20992G	36.342M	5.171829G	5.208171G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5230MHz

30/10/2019

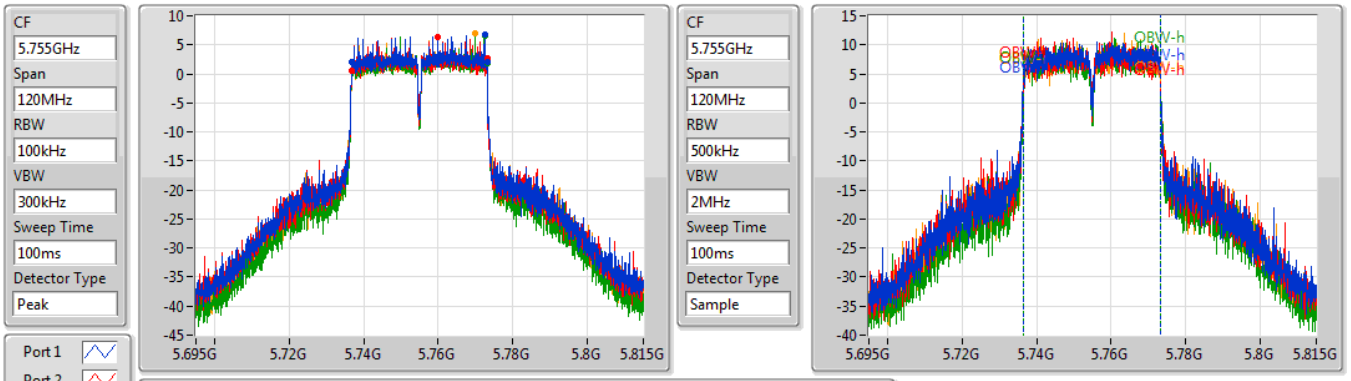


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
72.42M	5.19388G	5.2663G	36.402M	5.211649G	5.248051G	Inf	1
80.88M	5.19004G	5.27092G	36.462M	5.211649G	5.248111G	Inf	2
70.98M	5.1931G	5.26408G	36.402M	5.211649G	5.248051G	Inf	3
72.3M	5.1955G	5.2678G	36.462M	5.211709G	5.248171G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5755MHz

30/10/2019

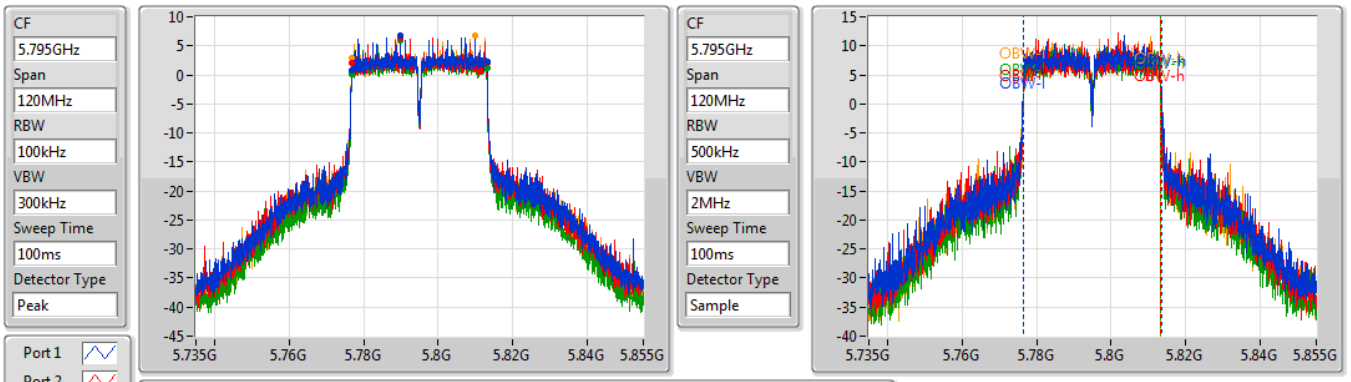


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73676G	5.77306G	36.642M	5.736529G	5.773171G	500k	1
36.36M	5.7367G	5.77306G	36.642M	5.736589G	5.773231G	500k	2
36.36M	5.7367G	5.77306G	36.582M	5.736589G	5.773171G	500k	3
36.3M	5.73676G	5.77306G	36.762M	5.736529G	5.773291G	500k	4

802.11ac VHT40_Nss1,(MCS0)_4TX EBW

5795MHz

30/10/2019

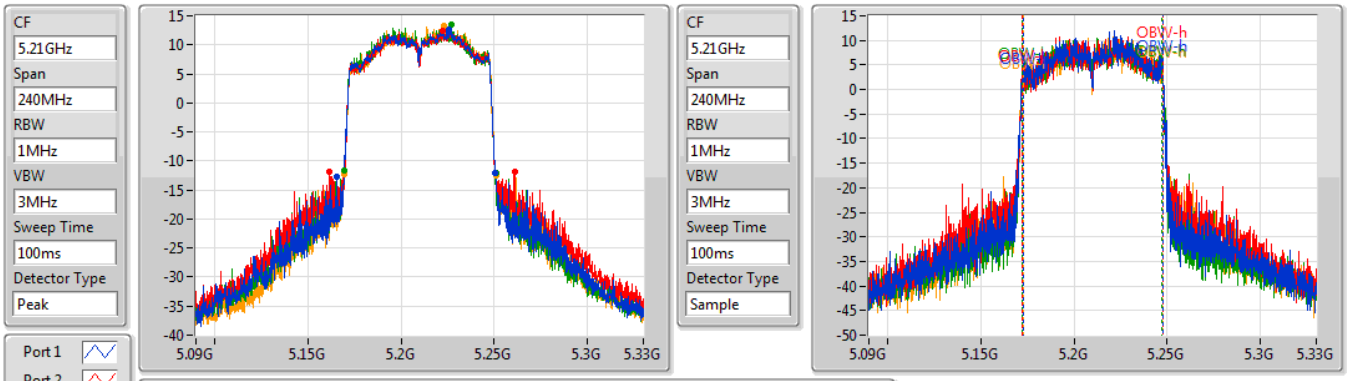


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.36M	5.7767G	5.81306G	37.001M	5.776409G	5.813411G	500k	1
36.3M	5.77676G	5.81306G	36.882M	5.776409G	5.813291G	500k	2
36.36M	5.7767G	5.81306G	36.582M	5.776529G	5.813111G	500k	3
36.3M	5.77676G	5.81306G	36.702M	5.776529G	5.813231G	500k	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5210MHz

15/10/2019

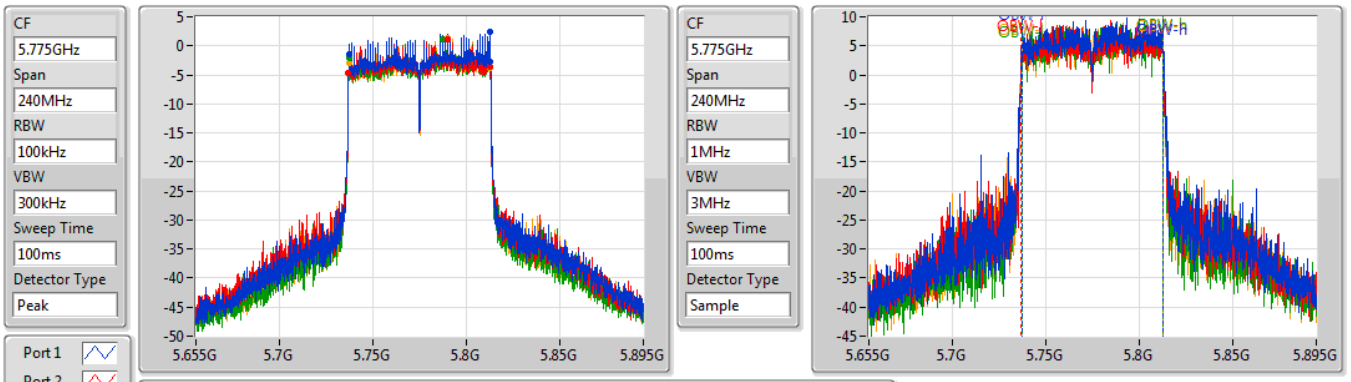


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.44M	5.16524G	5.25068G	74.963M	5.172579G	5.247541G	Inf	1
99.48M	5.16176G	5.26124G	75.082M	5.172459G	5.247541G	Inf	2
81.12M	5.1698G	5.25092G	74.963M	5.172459G	5.247421G	Inf	3
81.6M	5.16968G	5.25128G	74.843M	5.172699G	5.247541G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX EBW

5775MHz

15/10/2019

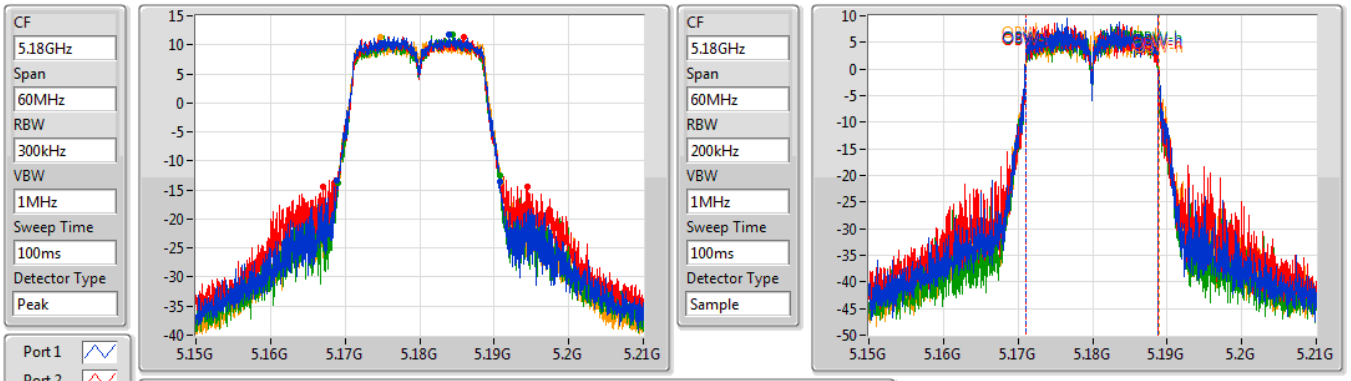


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.72M	5.73732G	5.81304G	75.922M	5.736979G	5.812901G	500k	1
76.32M	5.73672G	5.81304G	76.042M	5.736859G	5.812901G	500k	2
75.72M	5.73732G	5.81304G	75.682M	5.737099G	5.812781G	500k	3
75.72M	5.73732G	5.81304G	75.922M	5.736979G	5.812901G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5180MHz

16/10/2019

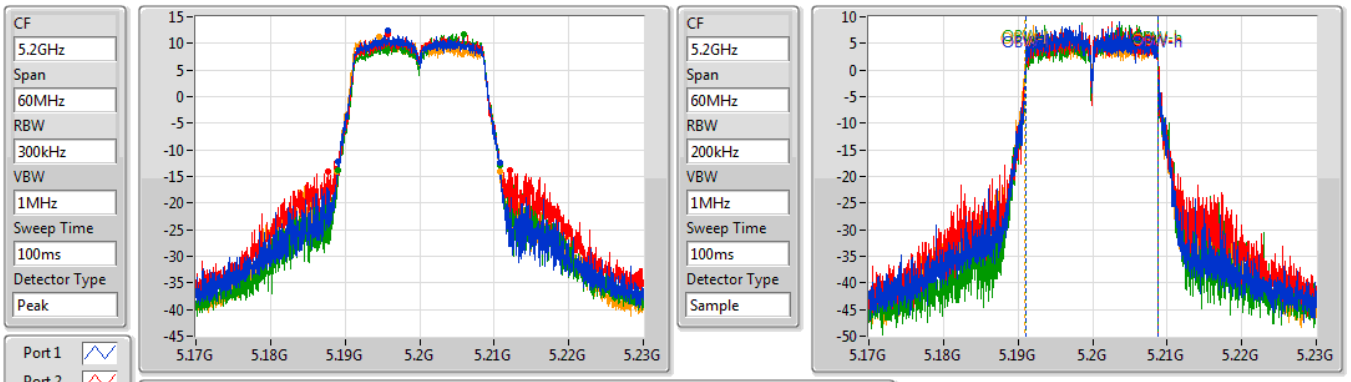


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.84M	5.16896G	5.1908G	17.781M	5.171004G	5.188786G	Inf	1
27.36M	5.16707G	5.19443G	17.721M	5.171034G	5.188756G	Inf	2
21.63M	5.16911G	5.19074G	17.631M	5.171064G	5.188696G	Inf	3
21.84M	5.16908G	5.19092G	17.871M	5.171004G	5.188876G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5200MHz

16/10/2019

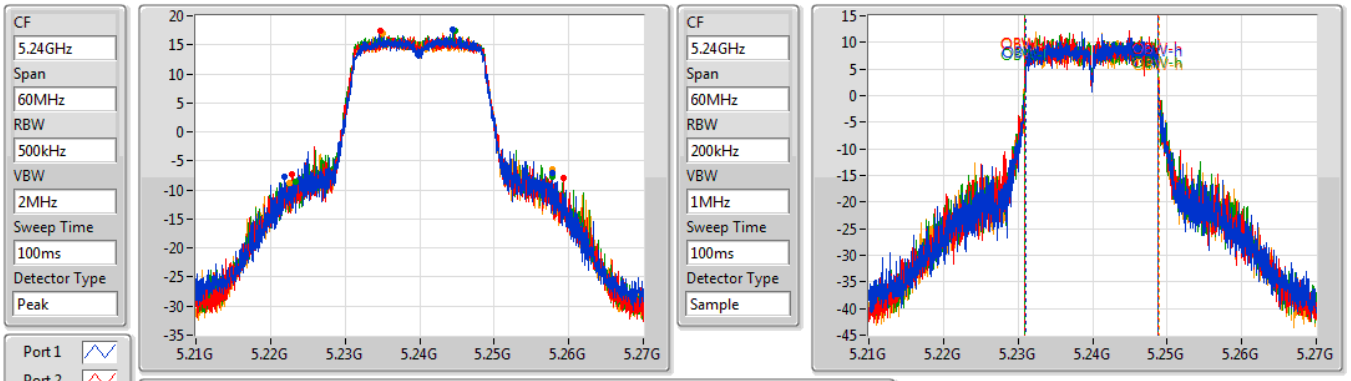


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.18911G	5.21071G	17.721M	5.191034G	5.208756G	Inf	1
24.33M	5.18779G	5.21212G	17.781M	5.191034G	5.208816G	Inf	2
21.72M	5.18908G	5.2108G	17.691M	5.191094G	5.208786G	Inf	3
21.9M	5.1889G	5.2108G	17.901M	5.190915G	5.208816G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5240MHz

16/10/2019

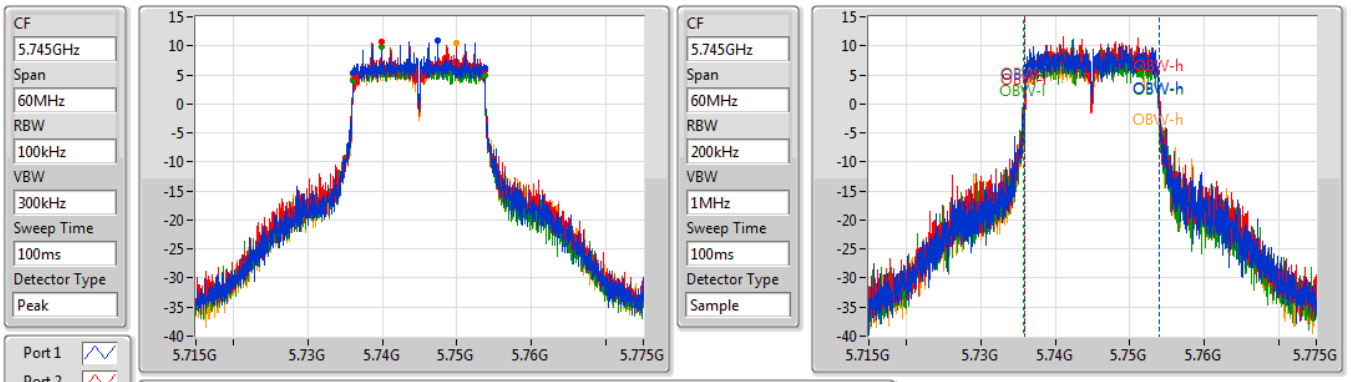


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.03M	5.22179G	5.25782G	17.781M	5.231034G	5.248816G	Inf	1
36.54M	5.22281G	5.25935G	17.901M	5.230945G	5.248846G	Inf	2
34.44M	5.22341G	5.25785G	17.901M	5.230945G	5.248846G	Inf	3
35.25M	5.22251G	5.25776G	17.931M	5.230945G	5.248876G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5745MHz

16/10/2019

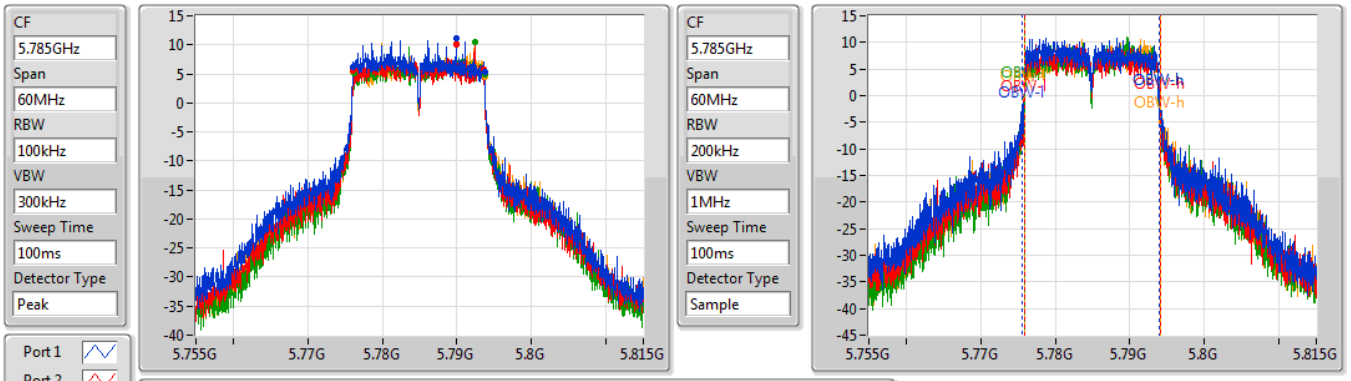


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.58M	5.73612G	5.7537G	18.051M	5.735885G	5.753936G	500k	1
17.28M	5.73642G	5.7537G	18.081M	5.735885G	5.753966G	500k	2
17.67M	5.73603G	5.7537G	18.201M	5.735735G	5.753936G	500k	3
17.58M	5.73612G	5.7537G	18.051M	5.735945G	5.753996G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5785MHz

17/10/2019

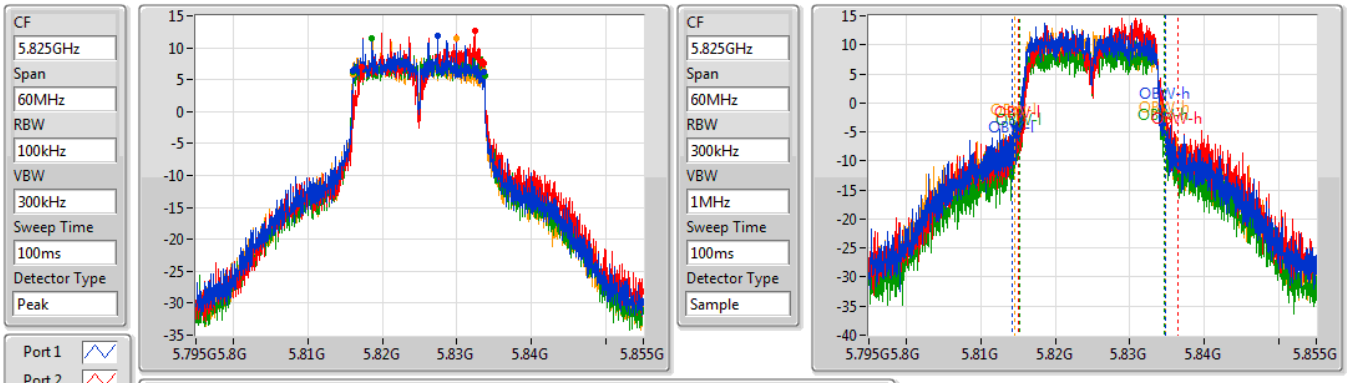


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.61M	5.77609G	5.7937G	18.411M	5.775585G	5.793996G	500k	1
17.55M	5.77612G	5.79367G	18.201M	5.775825G	5.794025G	500k	2
17.55M	5.77615G	5.7937G	18.021M	5.775945G	5.793966G	500k	3
17.58M	5.77612G	5.7937G	18.231M	5.775855G	5.794085G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

5825MHz

16/10/2019

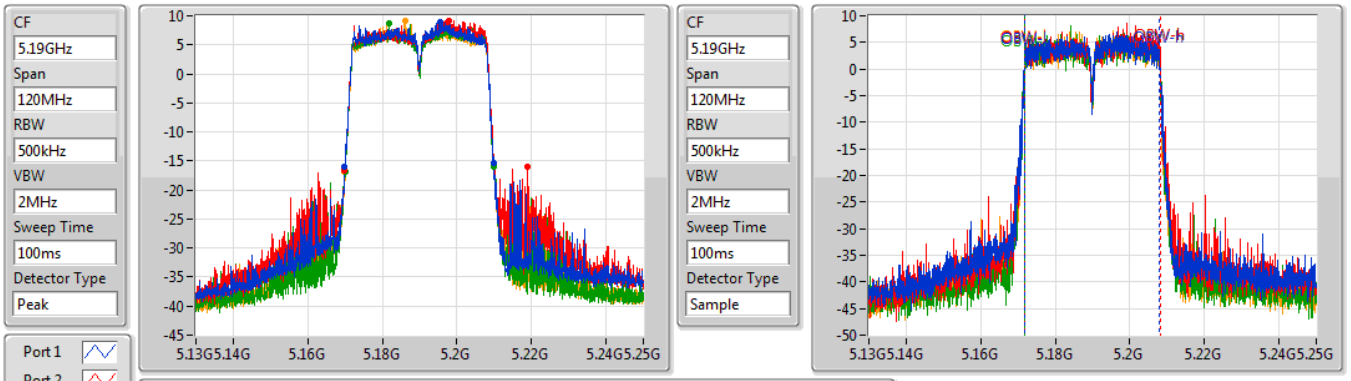


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81612G	5.83367G	20.48M	5.814265G	5.834745G	500k	1
16.5M	5.81717G	5.83367G	21.319M	5.815075G	5.836394G	500k	2
17.64M	5.81609G	5.83373G	19.4M	5.815255G	5.834655G	500k	3
17.58M	5.81609G	5.83367G	20.33M	5.814475G	5.834805G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5190MHz

16/10/2019

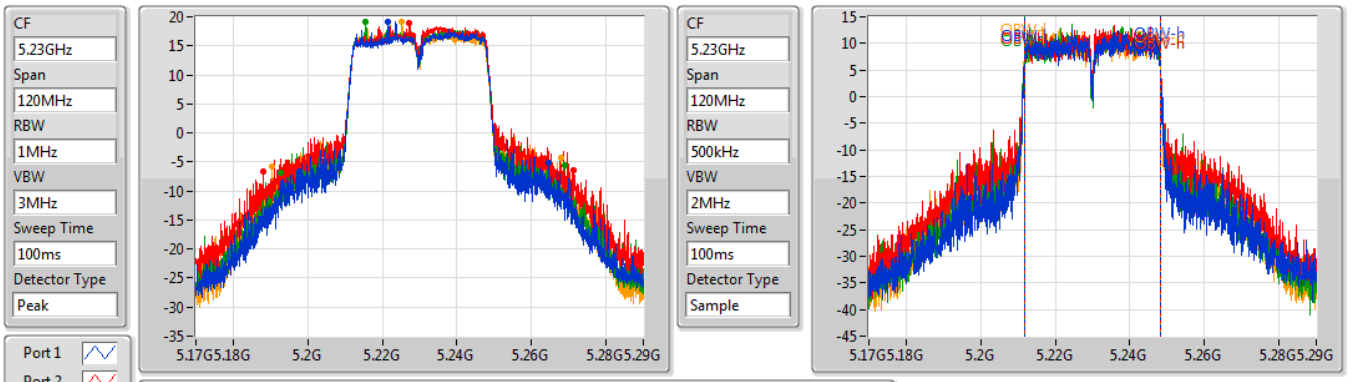


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.1699G	5.20998G	36.222M	5.171769G	5.207991G	Inf	1
49.08M	5.16984G	5.21892G	36.282M	5.171829G	5.208111G	Inf	2
40.02M	5.17002G	5.21004G	36.222M	5.171829G	5.208051G	Inf	3
40.08M	5.1699G	5.20998G	36.162M	5.171829G	5.207991G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5230MHz

16/10/2019

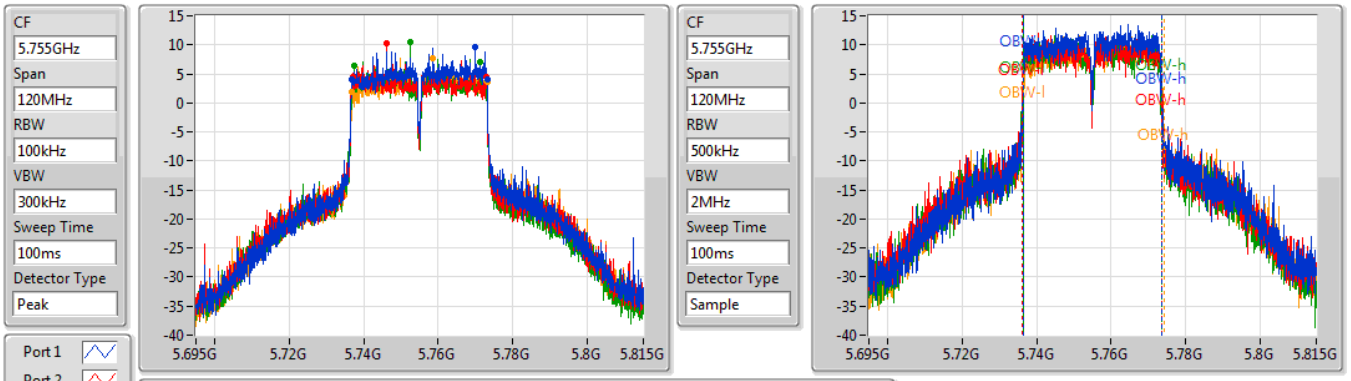


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
66.78M	5.19766G	5.26444G	36.282M	5.211769G	5.248051G	Inf	1
83.4M	5.188G	5.2714G	36.642M	5.211649G	5.248291G	Inf	2
76.44M	5.19262G	5.26906G	36.402M	5.211709G	5.248111G	Inf	3
77.58M	5.19052G	5.2681G	36.402M	5.211649G	5.248051G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5755MHz

17/10/2019

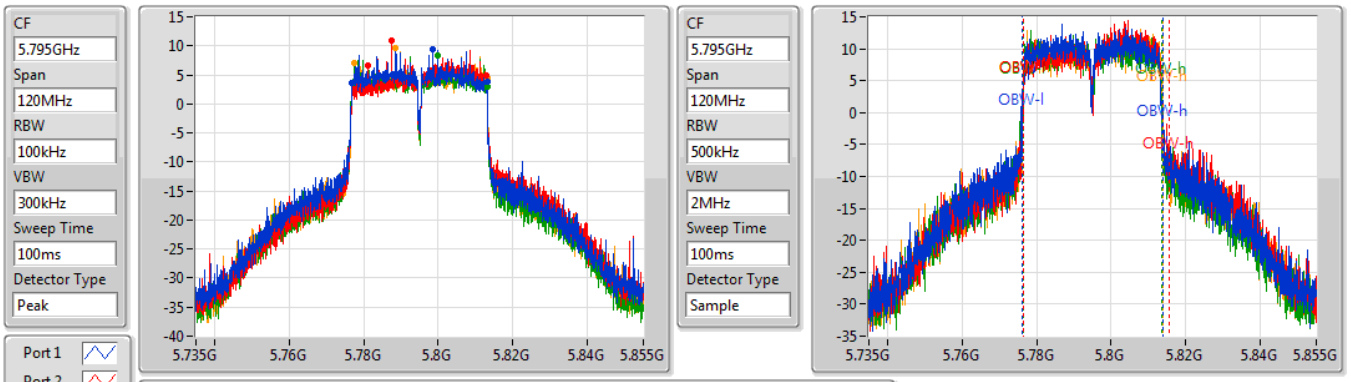


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.36M	5.7367G	5.77306G	36.882M	5.736529G	5.773411G	500k	1
36M	5.737G	5.773G	37.541M	5.736109G	5.773651G	500k	2
33.84M	5.73736G	5.7712G	37.061M	5.736349G	5.773411G	500k	3
36.3M	5.73676G	5.77306G	37.961M	5.736349G	5.77431G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

5795MHz

16/10/2019

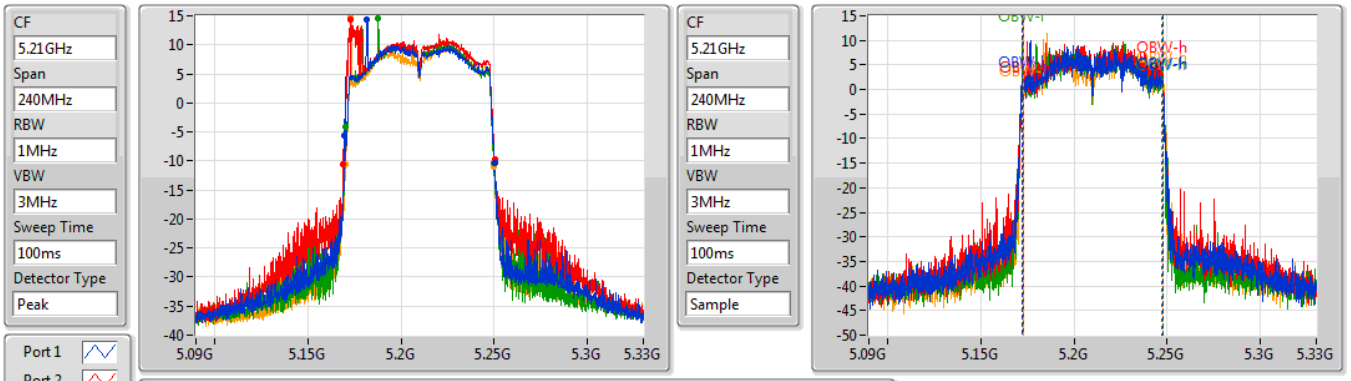


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77676G	5.81306G	38.021M	5.77599G	5.81401G	500k	1
31.74M	5.78108G	5.81282G	39.04M	5.776529G	5.81557G	500k	2
36.36M	5.7767G	5.81306G	37.121M	5.776349G	5.813471G	500k	3
35.46M	5.7776G	5.81306G	37.361M	5.776409G	5.813771G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5210MHz

16/10/2019

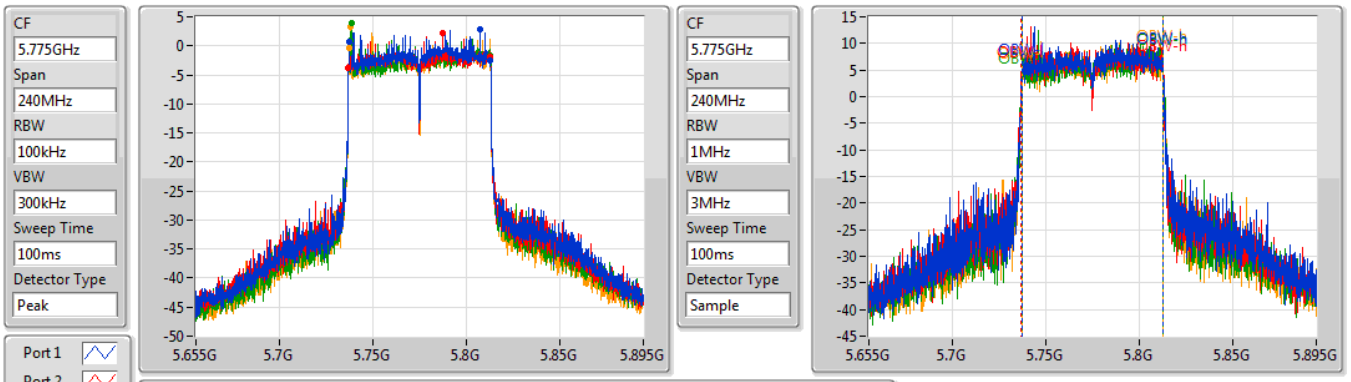


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.4M	5.1698G	5.2502G	75.082M	5.172459G	5.247541G	Inf	1
81.48M	5.16872G	5.2502G	74.843M	5.172699G	5.247541G	Inf	2
79.92M	5.16992G	5.24984G	75.082M	5.172339G	5.247421G	Inf	3
79.92M	5.17016G	5.25008G	74.963M	5.172579G	5.247541G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX EBW

5775MHz

16/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.72M	5.73732G	5.81304G	75.802M	5.737099G	5.812901G	500k	1
76.2M	5.73684G	5.81304G	75.922M	5.736859G	5.812781G	500k	2
74.88M	5.73816G	5.81304G	76.042M	5.736979G	5.813021G	500k	3
75.36M	5.73732G	5.81268G	75.682M	5.737099G	5.812781G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	28.61	0.72611
802.11ac VHT40_Nss1,(MCS0)_4TX	27.71	0.59020
802.11ac VHT80_Nss1,(MCS0)_4TX	23.55	0.22646
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	28.61	0.72611
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.82	0.60534
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	23.48	0.22284
5.725-5.85GHz	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	29.49	0.88920
802.11ac VHT40_Nss1,(MCS0)_4TX	27.37	0.54576
802.11ac VHT80_Nss1,(MCS0)_4TX	24.62	0.28973
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	29.07	0.80724
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	27.58	0.57280
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	24.68	0.29376

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.78	19.71	19.11	19.73	19.49	25.54	30.00
5200MHz	Pass	4.49	20.09	19.56	20.21	19.97	25.98	30.00
5240MHz	Pass	4.97	22.92	22.23	22.66	22.53	28.61	30.00
5745MHz	Pass	4.74	23.43	22.89	22.63	22.53	28.90	30.00
5785MHz	Pass	4.63	23.92	23.12	23.16	23.64	29.49	30.00
5825MHz	Pass	5.02	23.15	22.58	22.61	22.92	28.84	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.78	16.54	16.52	16.40	16.41	22.49	30.00
5230MHz	Pass	4.97	21.32	21.95	21.68	21.77	27.71	30.00
5755MHz	Pass	4.88	21.73	21.20	21.07	21.27	27.35	30.00
5795MHz	Pass	4.52	21.70	21.20	20.95	21.51	27.37	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.82	17.69	17.52	17.72	17.16	23.55	30.00
5775MHz	Pass	4.63	19.22	18.37	18.26	18.46	24.62	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.21	18.29	19.74	19.01	19.00	25.06	28.79
5200MHz	Pass	6.98	19.11	18.93	18.36	18.62	24.79	29.02
5240MHz	Pass	7.14	22.52	22.42	22.78	22.61	28.61	28.86
5745MHz	Pass	6.57	21.54	21.42	21.22	21.44	27.43	29.43
5785MHz	Pass	6.59	21.12	21.41	21.70	21.28	27.40	29.41
5825MHz	Pass	6.83	23.41	22.89	22.85	23.01	29.07	29.17
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.21	17.10	16.57	16.31	16.82	22.73	28.79
5230MHz	Pass	7.14	21.82	21.95	21.54	21.88	27.82	28.86
5755MHz	Pass	6.56	21.52	21.28	21.64	21.77	27.58	29.44
5795MHz	Pass	6.74	21.48	21.34	21.29	21.63	27.46	29.26
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.09	17.29	17.38	17.73	17.44	23.48	28.91
5775MHz	Pass	6.59	18.77	19.04	18.07	18.71	24.68	29.41

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT20_Nss1,(MCS0)_4TX	15.83
802.11ac VHT40_Nss1,(MCS0)_4TX	12.06
802.11ac VHT80_Nss1,(MCS0)_4TX	5.82
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.00
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	12.10
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	5.52
5.725-5.85GHz	-
802.11ac VHT20_Nss1,(MCS0)_4TX	14.92
802.11ac VHT40_Nss1,(MCS0)_4TX	9.55
802.11ac VHT80_Nss1,(MCS0)_4TX	4.55
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	14.32
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	9.99
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	4.94

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

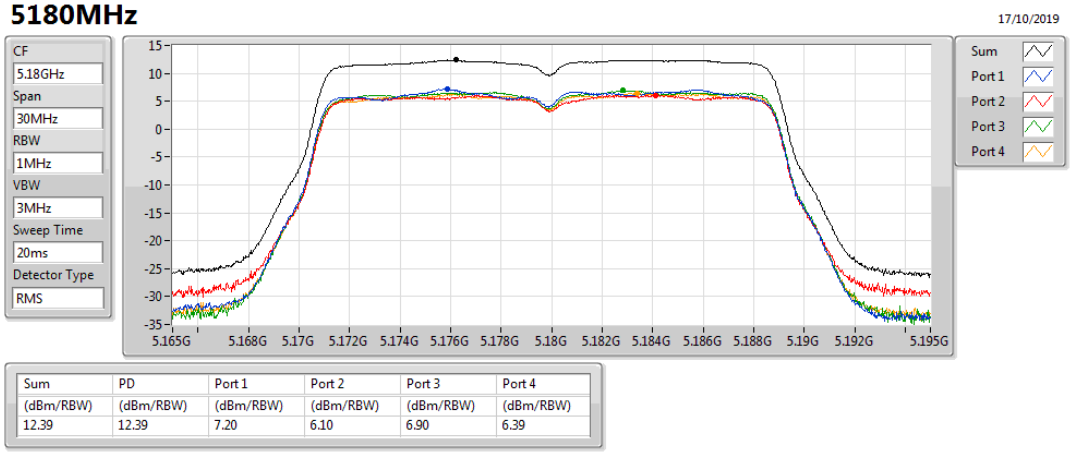
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.21	7.20	6.10	6.90	6.39	12.39	15.79
5200MHz	Pass	6.98	6.96	6.03	6.73	6.41	12.41	16.02
5240MHz	Pass	7.14	10.38	9.39	9.97	9.90	15.83	15.86
5745MHz	Pass	6.57	8.89	8.05	7.95	7.93	14.11	29.43
5785MHz	Pass	6.59	9.56	8.55	8.60	9.10	14.92	29.41
5825MHz	Pass	6.83	8.76	7.83	8.01	8.59	14.25	29.17
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.21	1.41	1.02	1.04	1.05	6.99	15.79
5230MHz	Pass	7.14	5.85	6.43	6.21	6.10	12.06	15.86
5755MHz	Pass	6.56	3.96	3.53	3.39	3.67	9.55	29.44
5795MHz	Pass	6.74	3.72	3.28	3.19	3.65	9.41	29.26
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.09	0.28	0.25	-0.12	-0.42	5.82	15.91
5775MHz	Pass	6.59	-0.61	-1.52	-1.73	-1.36	4.55	29.41
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.21	5.85	6.41	6.28	5.89	11.98	15.79
5200MHz	Pass	6.98	5.72	5.77	6.26	5.27	11.68	16.02
5240MHz	Pass	7.14	9.31	9.09	10.25	8.79	15.00	15.86
5745MHz	Pass	6.57	7.75	8.09	6.60	6.86	13.15	29.43
5785MHz	Pass	6.59	6.93	8.70	8.02	7.17	12.59	29.41
5825MHz	Pass	6.83	9.05	9.76	8.23	8.05	14.32	29.17
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.21	1.52	1.80	1.16	0.87	7.29	15.79
5230MHz	Pass	7.14	5.83	6.46	6.26	6.10	12.10	15.86
5755MHz	Pass	6.56	4.29	3.84	3.80	4.23	9.99	29.44
5795MHz	Pass	6.74	4.25	3.75	3.57	4.24	9.93	29.26
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.09	-0.67	0.44	-0.56	-0.62	5.52	15.91
5775MHz	Pass	6.59	-0.05	-1.07	-0.58	-1.29	4.94	29.41

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;

802.11ac VHT20_Nss1,(MCS0)_4TX **PSD**

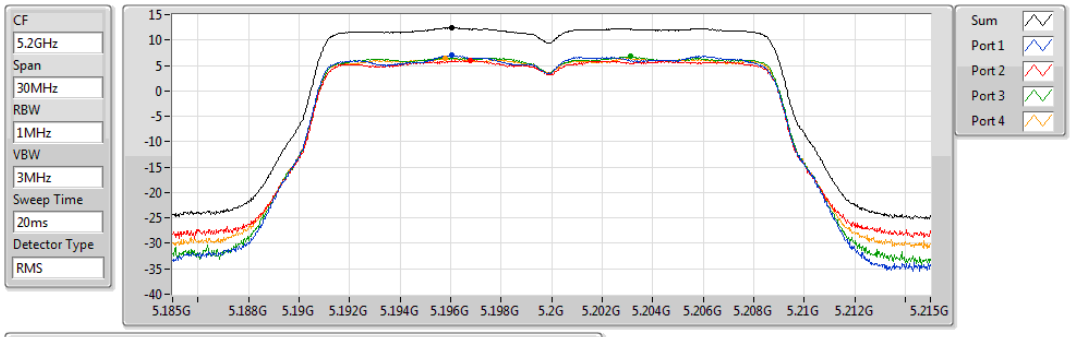
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.39	12.39	7.20	6.10	6.90	6.39

802.11ac VHT20_Nss1,(MCS0)_4TX **PSD**

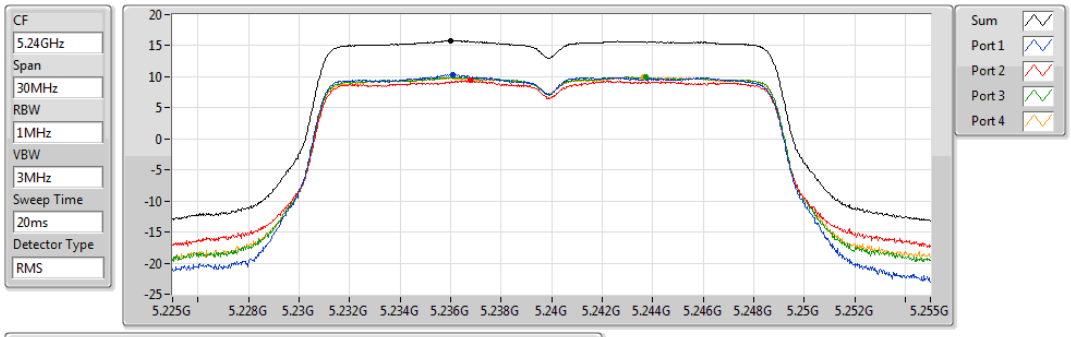
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.41	12.41	6.96	6.03	6.73	6.41

802.11ac VHT20_Nss1,(MCS0)_4TX **PSD**

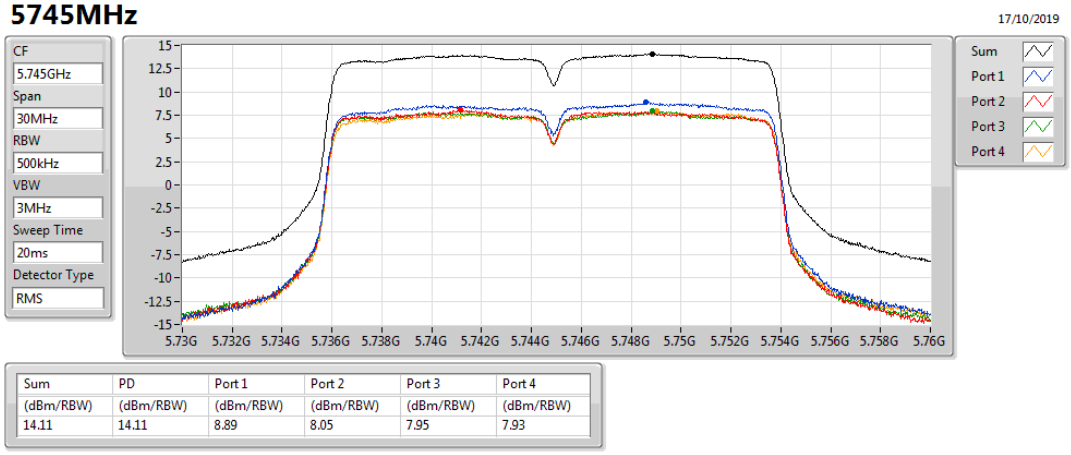
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.83	15.83	10.38	9.39	9.97	9.90

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

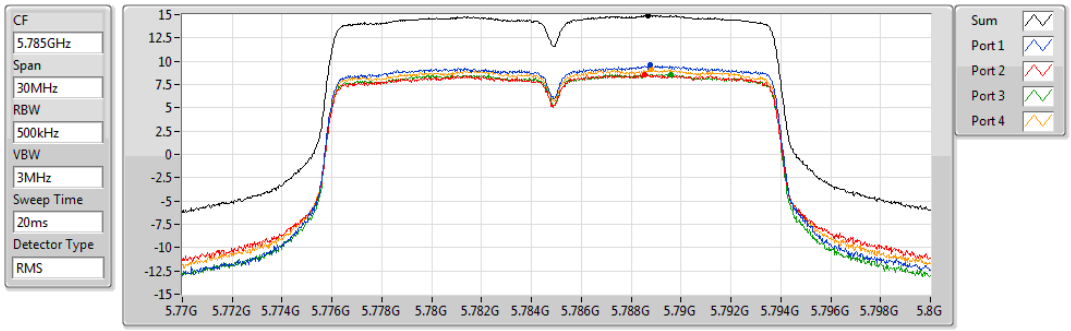
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.11	14.11	8.89	8.05	7.95	7.93

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

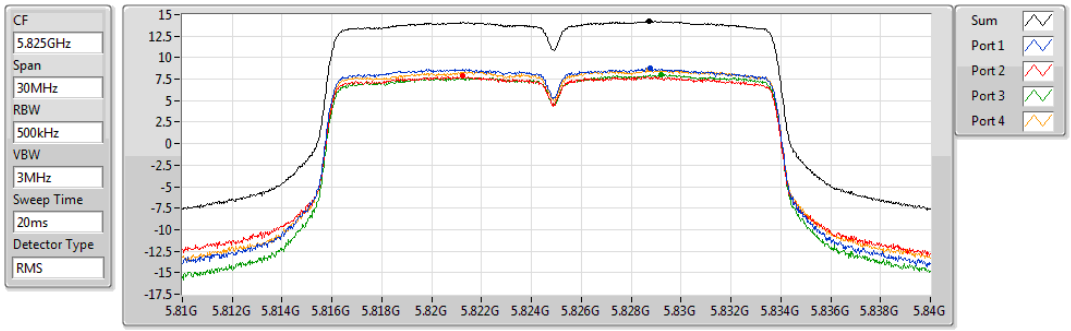
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.92	14.92	9.56	8.55	8.60	9.10

802.11ac VHT20_Nss1,(MCS0)_4TX PSD

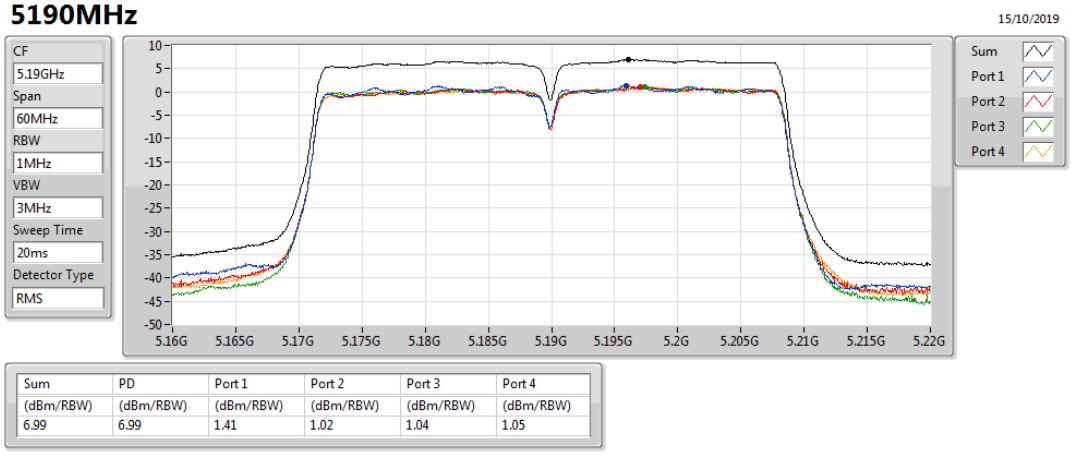
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.25	14.25	8.76	7.83	8.01	8.59

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

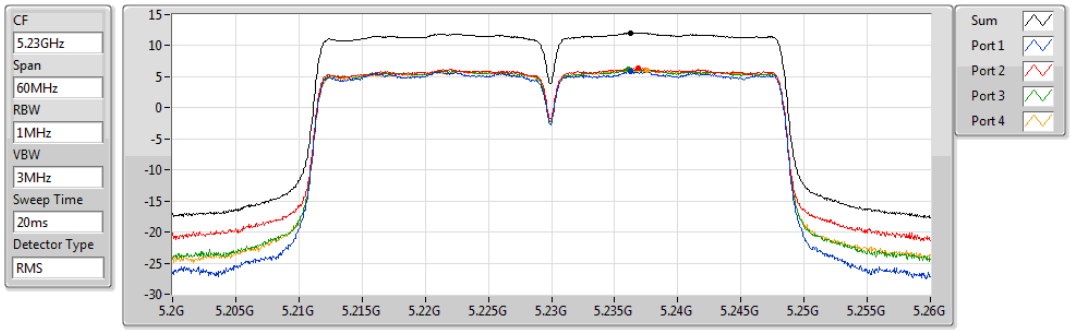
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.99	6.99	1.41	1.02	1.04	1.05

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

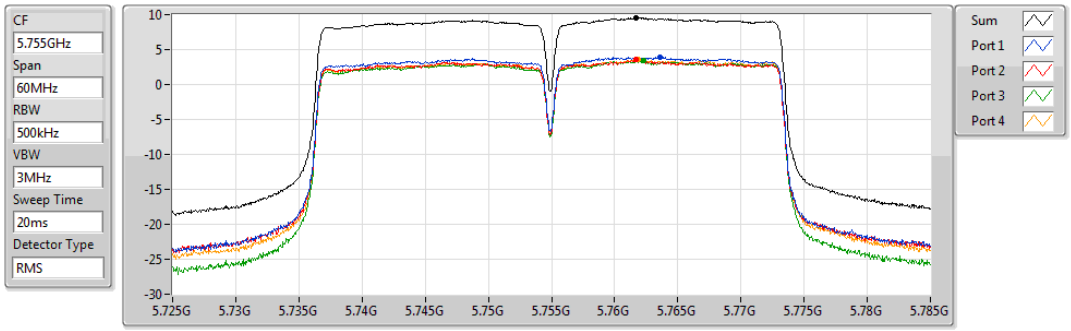
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.06	12.06	5.85	6.43	6.21	6.10

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

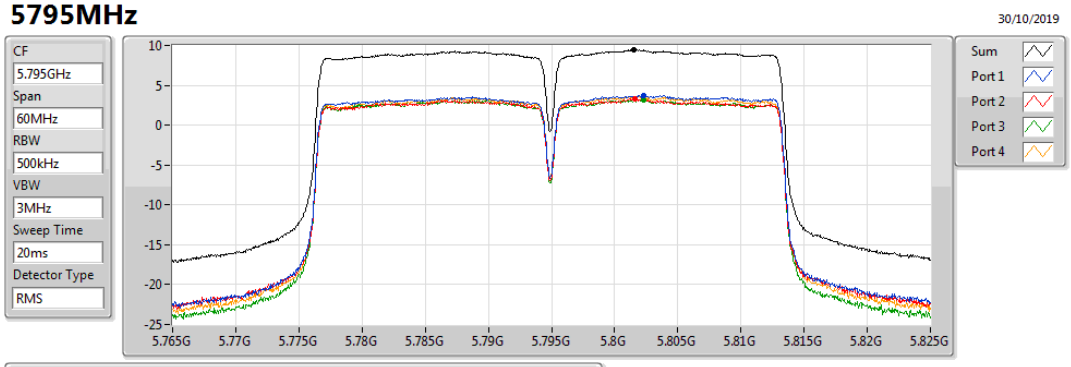
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.55	9.55	3.96	3.53	3.39	3.67

802.11ac VHT40_Nss1,(MCS0)_4TX PSD

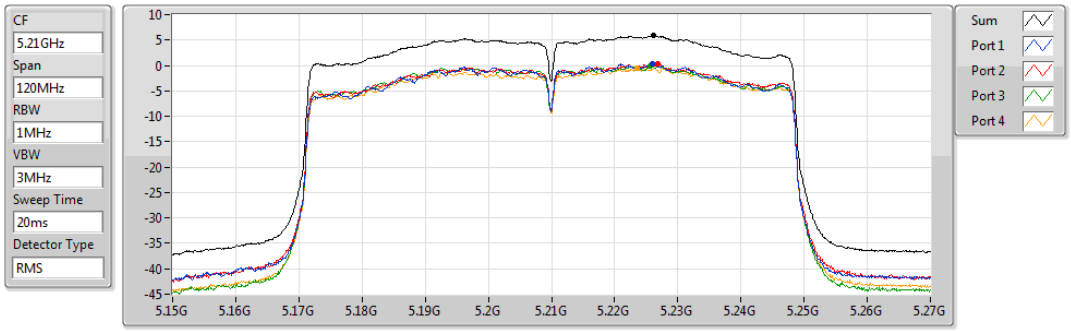
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.41	9.41	3.72	3.28	3.19	3.65

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

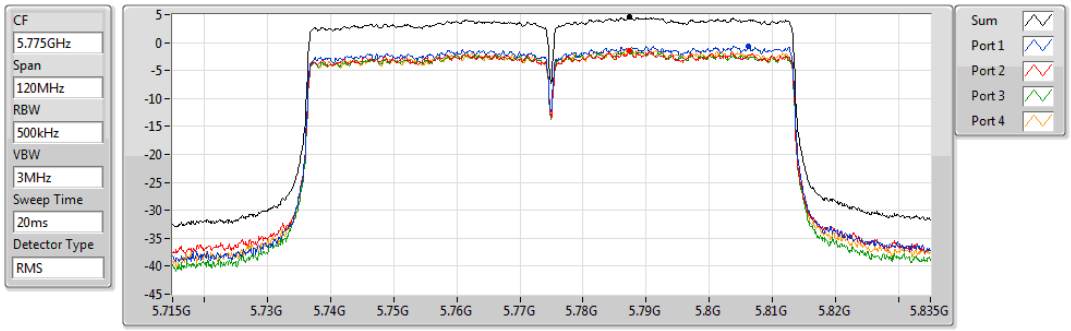
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.82	5.82	0.28	0.25	-0.12	-0.42

802.11ac VHT80_Nss1,(MCS0)_4TX PSD

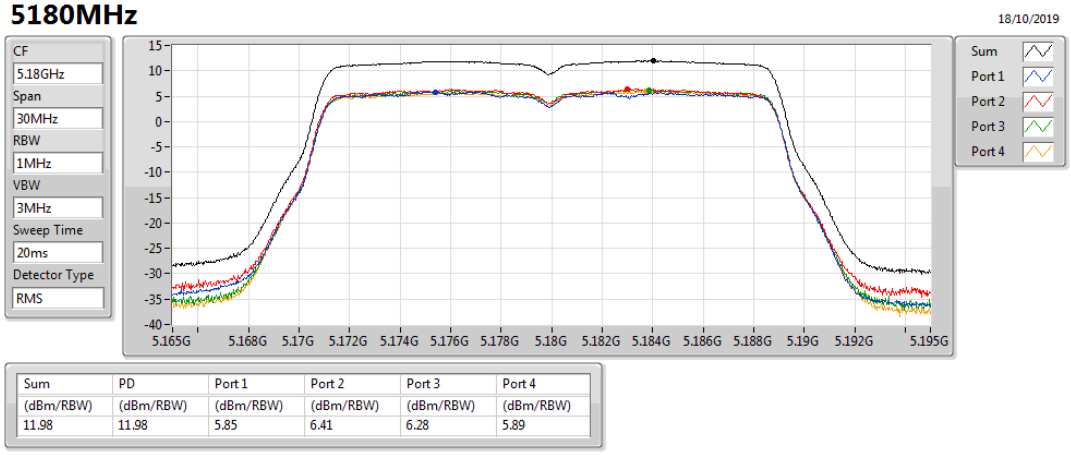
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.55	4.55	-0.61	-1.52	-1.73	-1.36

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

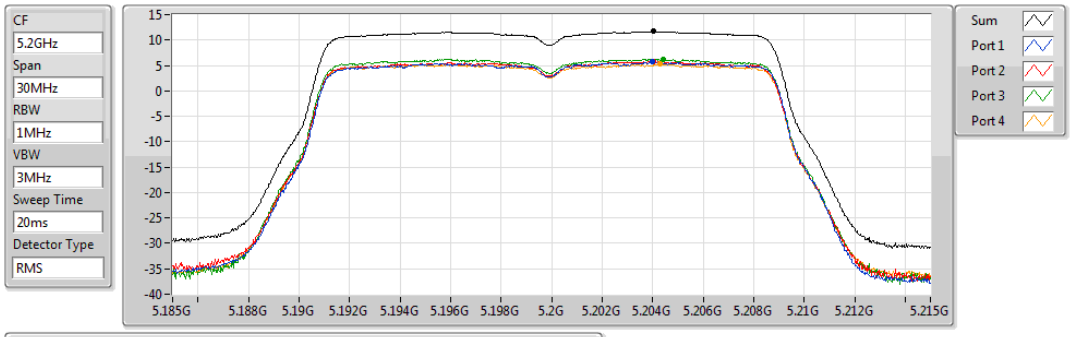
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.98	11.98	5.85	6.41	6.28	5.89

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

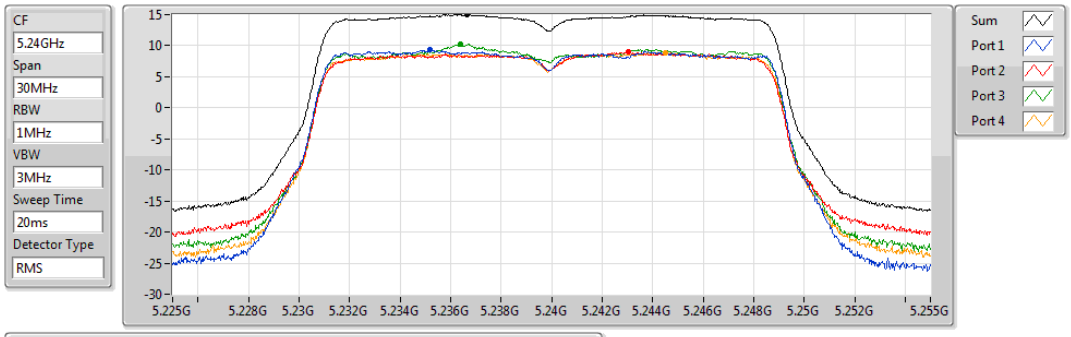
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.68	11.68	5.72	5.77	6.26	5.27

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

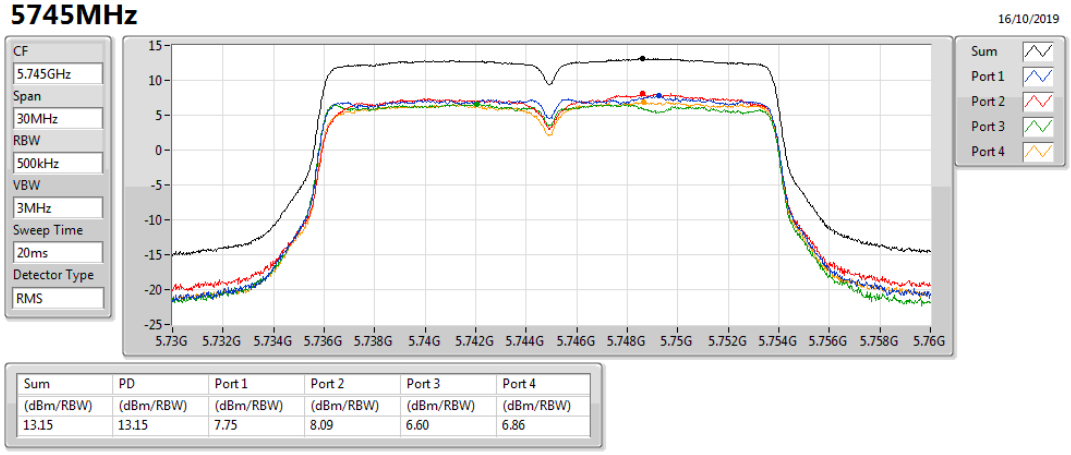
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.00	15.00	9.31	9.09	10.25	8.79

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **PSD**

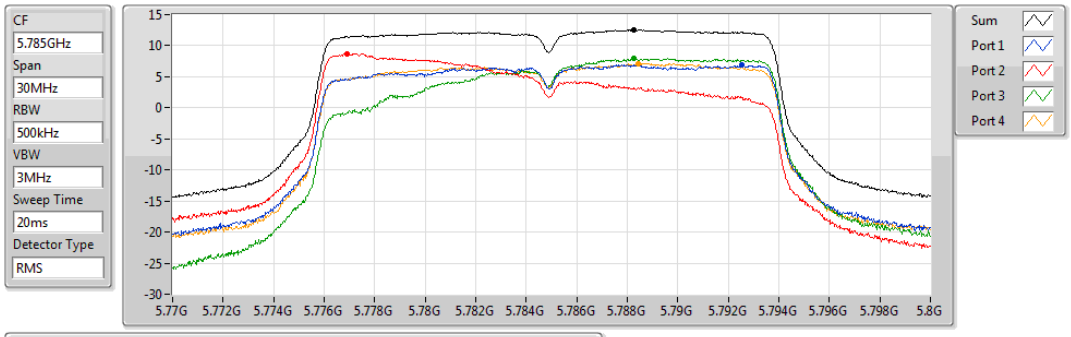
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.15	13.15	7.75	8.09	6.60	6.86

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **PSD**

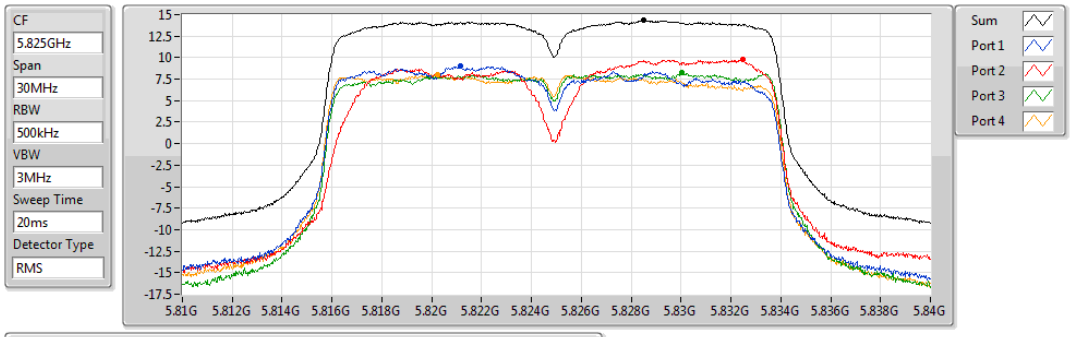
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.59	12.59	6.93	8.70	8.02	7.17

802.11ac VHT20-BF_Nss1,(MCS0)_4TX **PSD**

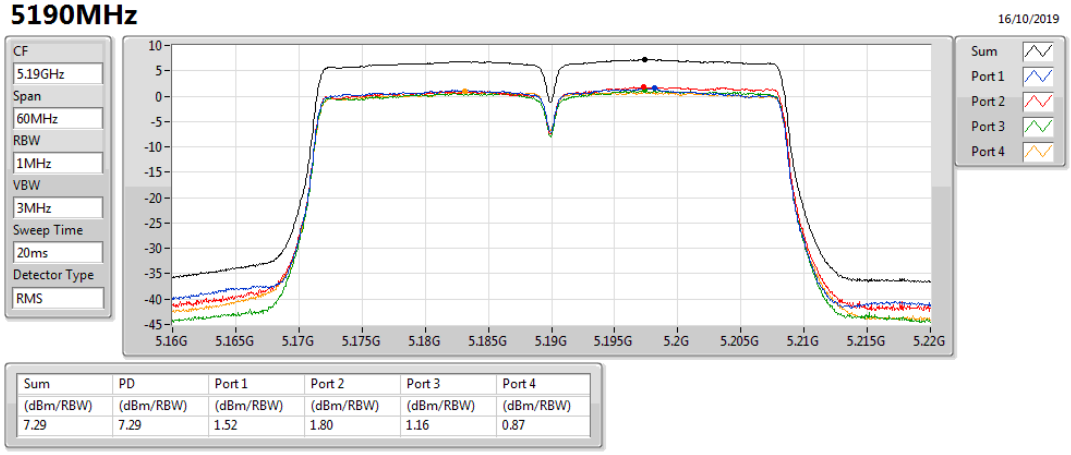
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.32	14.32	9.05	9.76	8.23	8.05

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

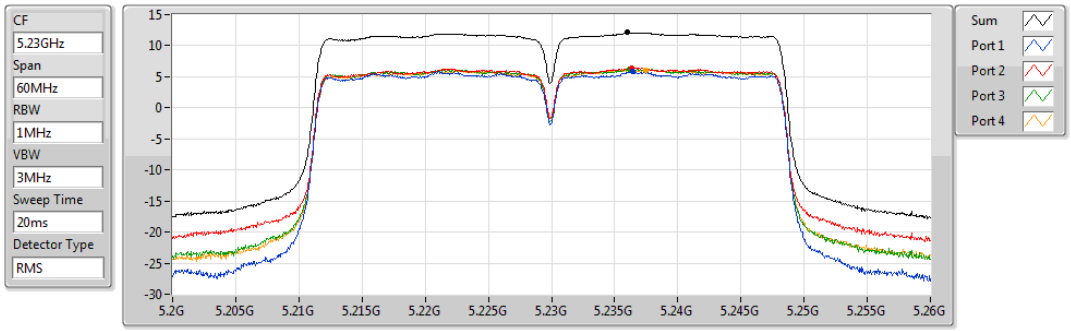
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.29	7.29	1.52	1.80	1.16	0.87

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

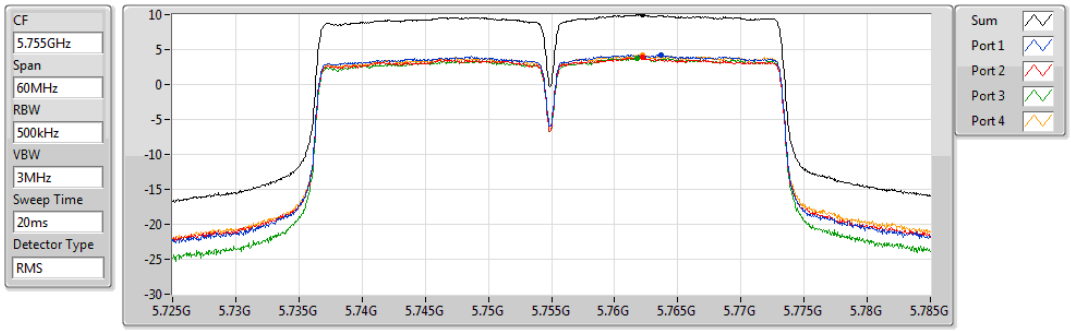
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.10	12.10	5.83	6.46	6.26	6.10

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

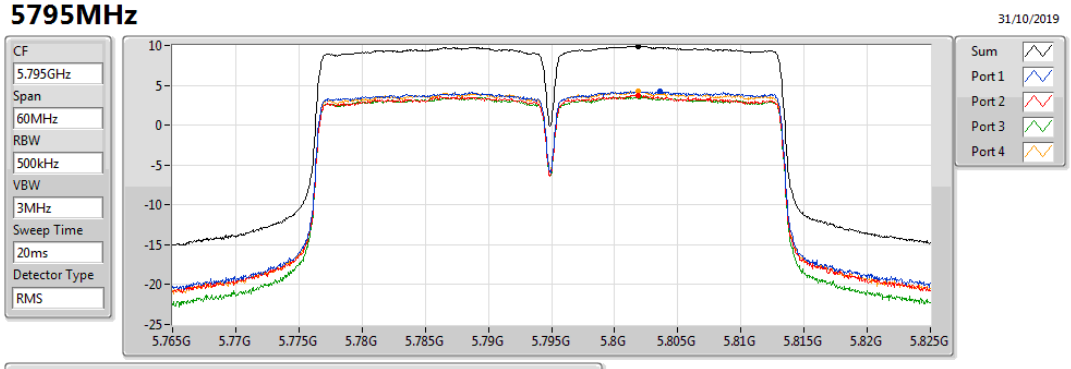
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.99	9.99	4.29	3.84	3.80	4.23

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

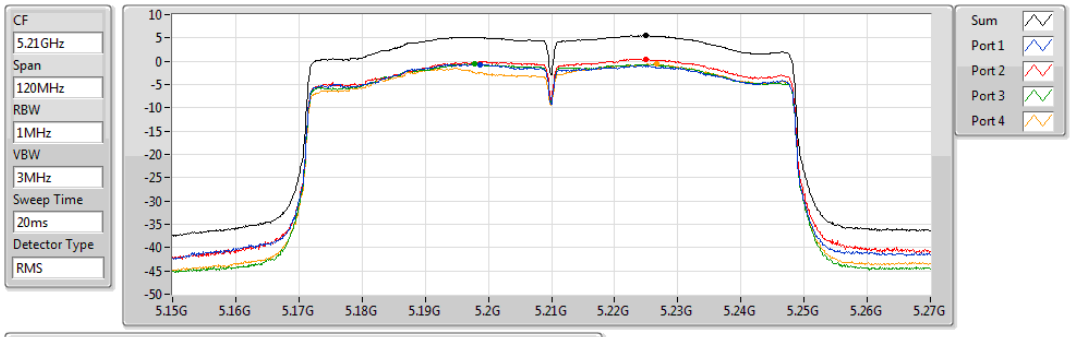
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.93	9.93	4.25	3.75	3.57	4.24

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

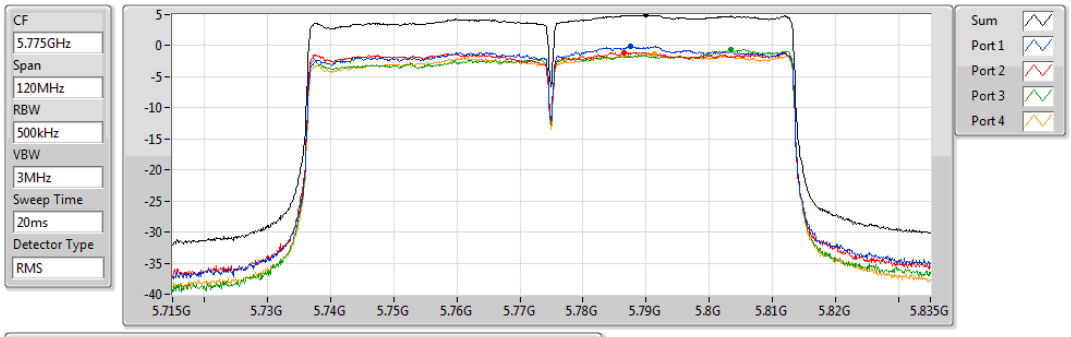
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.52	5.52	-0.67	0.44	-0.56	-0.62

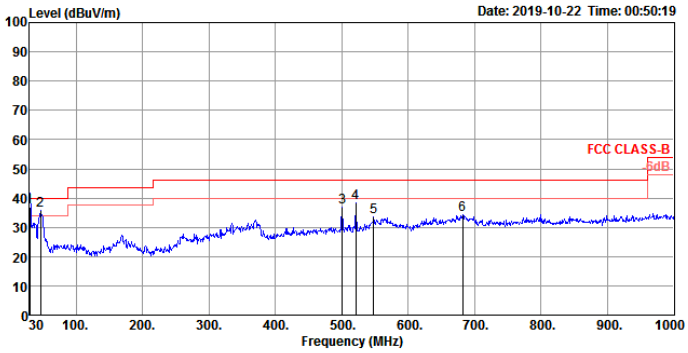
802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.94	4.94	-0.05	-1.07	-0.58	-1.29

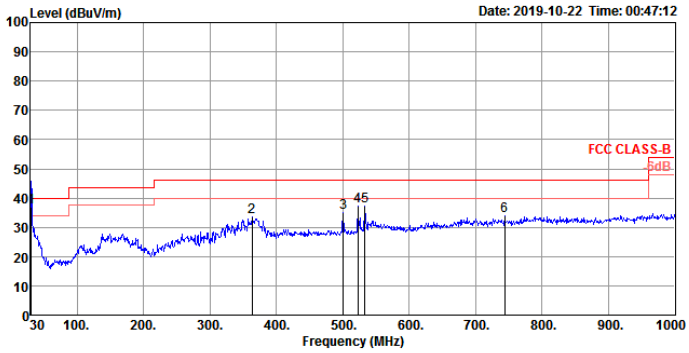
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	CTX		



	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	30.00	36.80	40.00	-3.20	44.10	0.49	24.40	32.19	100	230	QP	VERTICAL
2	46.49	35.79	40.00	-4.21	51.65	0.69	15.65	32.20	125	4	Peak	VERTICAL
3	500.45	36.95	46.00	-9.05	43.10	2.38	23.52	32.05	100	165	Peak	VERTICAL
4	520.82	38.28	46.00	-7.72	44.26	2.43	23.63	32.04	100	76	Peak	VERTICAL
5	547.98	33.55	46.00	-12.45	38.10	2.48	25.00	32.03	100	232	Peak	VERTICAL
6	681.84	34.18	46.00	-11.82	38.13	2.81	25.21	31.97	300	285	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	1	**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	30.97	36.97	40.00	-3.03	44.79	0.51	23.86	32.19	100	69	QP	HORIZONTAL
2	363.68	33.49	46.00	-12.51	42.71	2.07	20.62	31.91	150	90	Peak	HORIZONTAL
3	500.45	34.94	46.00	-11.06	41.09	2.38	23.52	32.05	200	247	Peak	HORIZONTAL
4	522.76	37.19	46.00	-8.81	43.13	2.43	23.67	32.04	200	56	Peak	HORIZONTAL
5	533.43	37.43	46.00	-8.57	42.97	2.45	24.05	32.04	300	272	Peak	HORIZONTAL
6	743.92	33.94	46.00	-12.06	37.26	2.90	25.86	32.08	100	218	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.)

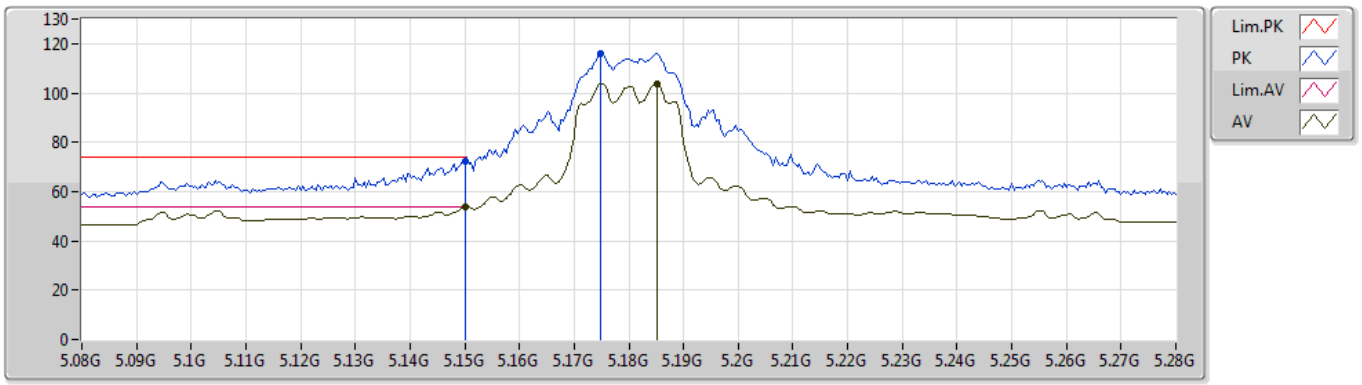
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	Pass	AV	5.15G	53.99	54.00	-0.01	5.50	3	Horizontal	188	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5180MHz_TX



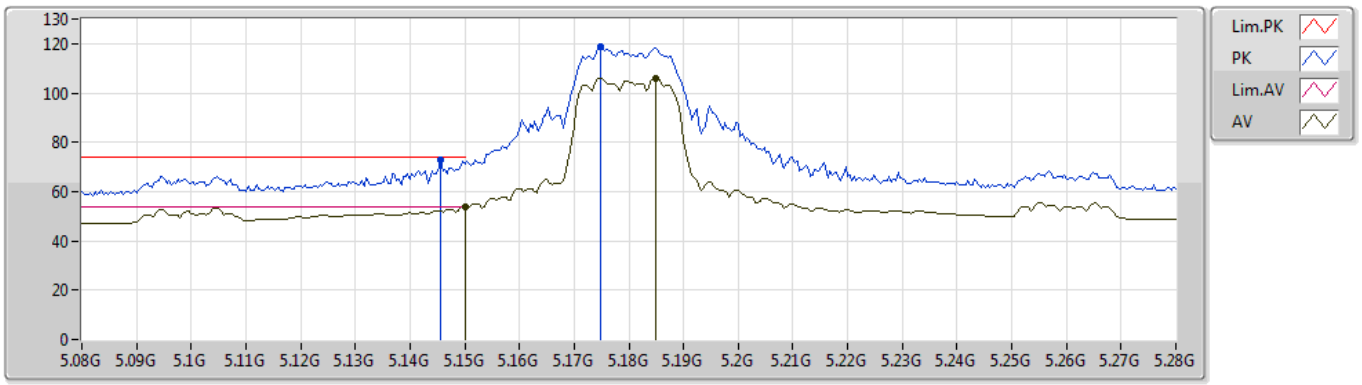
EUT Y_4TX
Setting 79
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.15G	72.42	74.00	-1.58	5.50	3	Vertical	76	2.12	-	66.92
AV	5.15G	53.76	54.00	-0.24	5.50	3	Vertical	76	2.12	-	48.24
PK	5.1748G	116.21	Inf	-Inf	5.56	3	Vertical	76	2.12	-	110.65
AV	5.1852G	103.86	Inf	-Inf	5.60	3	Vertical	76	2.12	-	98.26

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5180MHz_TX



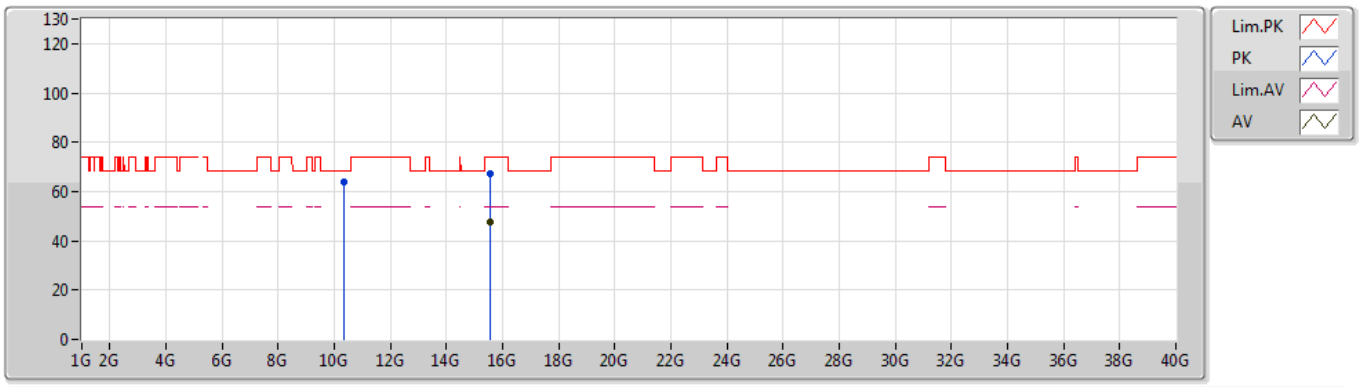
EUT Y_4TX
Setting 79
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1456G	72.70	74.00	-1.30	5.50	3	Horizontal	174	1.50	-	67.20
AV	5.15G	53.96	54.00	-0.04	5.50	3	Horizontal	174	1.50	-	48.46
PK	5.1748G	118.65	Inf	-Inf	5.56	3	Horizontal	174	1.50	-	113.09
AV	5.1848G	106.13	Inf	-Inf	5.59	3	Horizontal	174	1.50	-	100.54

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5180MHz_TX



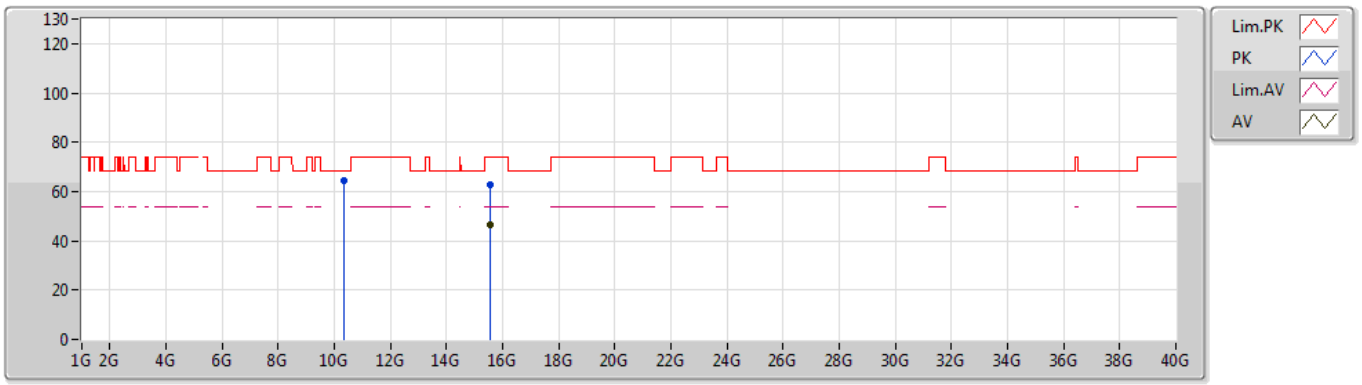
EUT Y_4TX
Setting 79
03-J-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.35948G	64.08	68.20	-4.12	12.18	3	Vertical	138	1.43	-	51.90
PK	15.53616G	66.97	74.00	-7.03	14.41	3	Vertical	263	1.27	-	52.56
AV	15.53608G	47.78	54.00	-6.22	14.41	3	Vertical	263	1.27	-	33.37

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5180MHz_TX



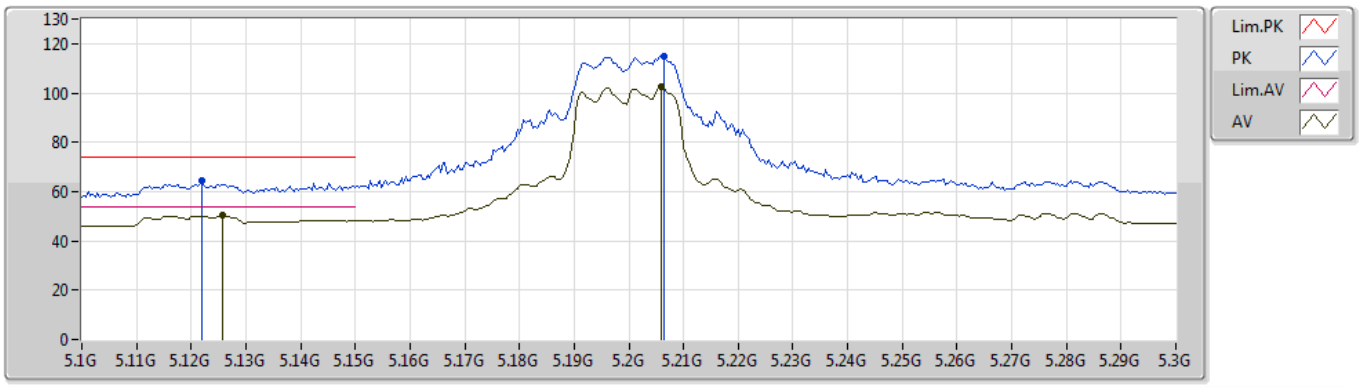
EUT Y_4TX
Setting 79
03-J-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.3594G	64.22	68.20	-3.98	12.18	3	Horizontal	122	1.66	-	52.04
PK	15.53656G	62.99	74.00	-11.01	14.41	3	Horizontal	346	1.48	-	48.58
AV	15.53616G	46.71	54.00	-7.29	14.41	3	Horizontal	346	1.48	-	32.30

802.11ac VHT20_Nss1,(MCS0)_4TX

17/10/2019

5200MHz_TX



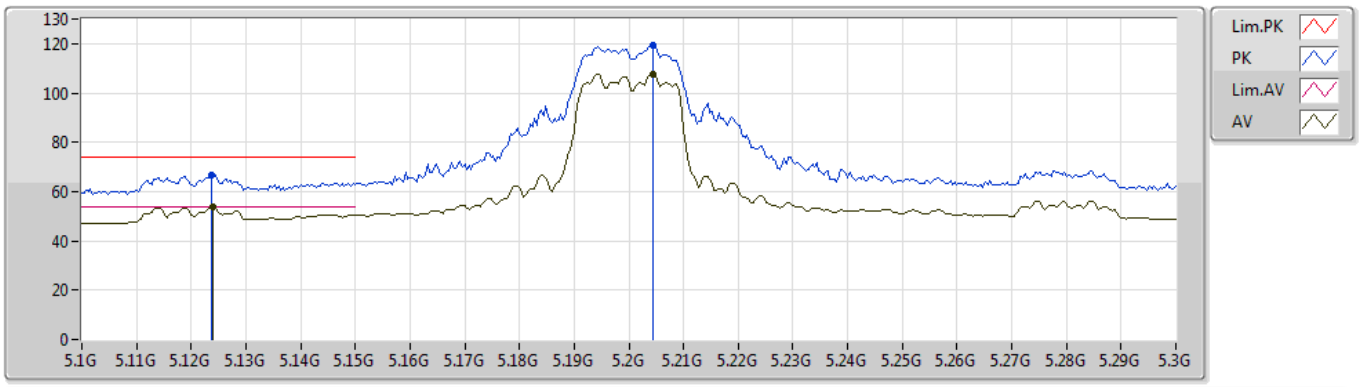
EUT Y_4TX
Setting 80
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.122G	64.43	74.00	-9.57	5.42	3	Vertical	334	1.57	-	59.01
AV	5.1256G	50.19	54.00	-3.81	5.44	3	Vertical	334	1.57	-	44.75
PK	5.2064G	115.05	Inf	-Inf	5.65	3	Vertical	334	1.57	-	109.40
AV	5.206G	102.58	Inf	-Inf	5.65	3	Vertical	334	1.57	-	96.93

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

17/10/2019



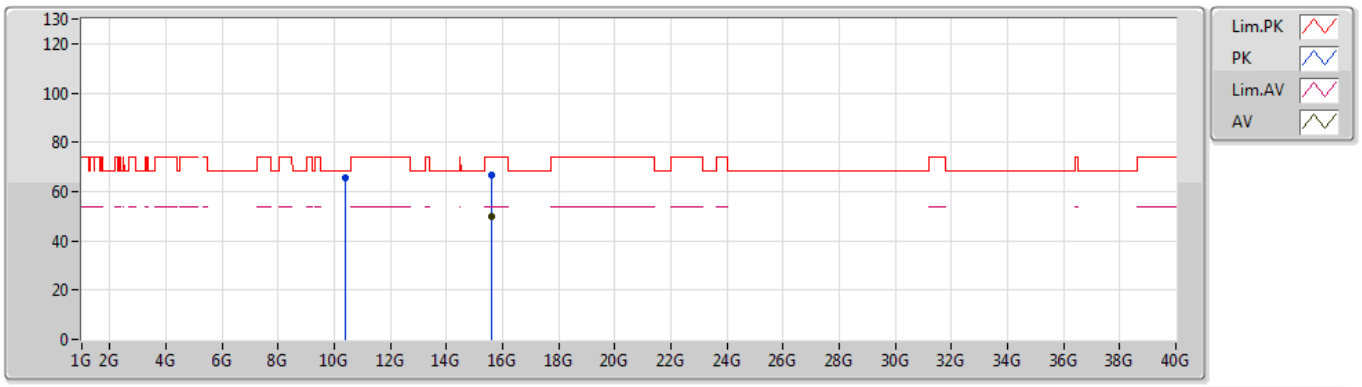
EUT Y_4TX
Setting 80
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1236G	66.58	74.00	-7.42	5.42	3	Horizontal	187	1.38	-	61.16
AV	5.124G	53.90	54.00	-0.10	5.43	3	Horizontal	187	1.38	-	48.47
PK	5.2044G	119.30	Inf	-Inf	5.65	3	Horizontal	187	1.38	-	113.65
AV	5.2044G	107.59	Inf	-Inf	5.65	3	Horizontal	187	1.38	-	101.94

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

17/10/2019



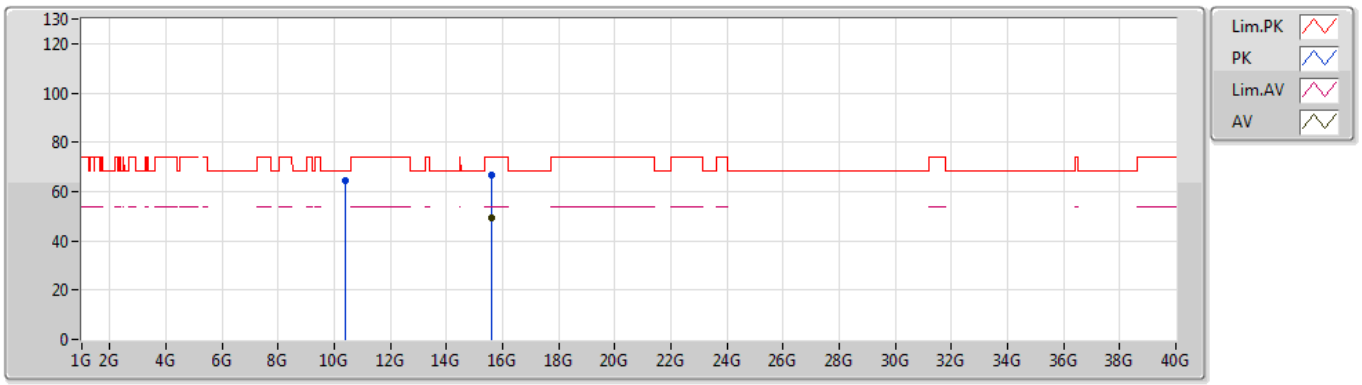
EUT Y_4TX
Setting 80
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.39956G	65.41	68.20	-2.79	12.22	3	Vertical	140	1.46	-	53.19
PK	15.5966G	66.94	74.00	-7.06	14.19	3	Vertical	264	1.24	-	52.75
AV	15.59616G	49.99	54.00	-4.01	14.19	3	Vertical	264	1.24	-	35.80

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

17/10/2019



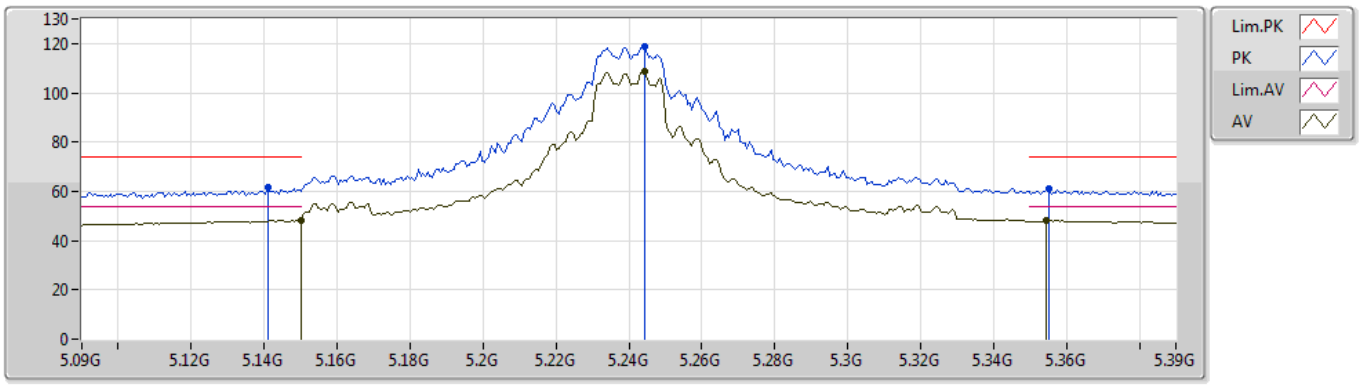
EUT Y_4TX
Setting 80
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.39936G	64.71	68.20	-3.49	12.22	3	Horizontal	123	1.38	-	52.49
PK	15.59656G	66.93	74.00	-7.07	14.19	3	Horizontal	324	2.21	-	52.74
AV	15.5966G	49.28	54.00	-4.72	14.19	3	Horizontal	324	2.21	-	35.09

802.11ac VHT20_Nss1,(MCS0)_4TX

06/10/2019

5240MHz_TX



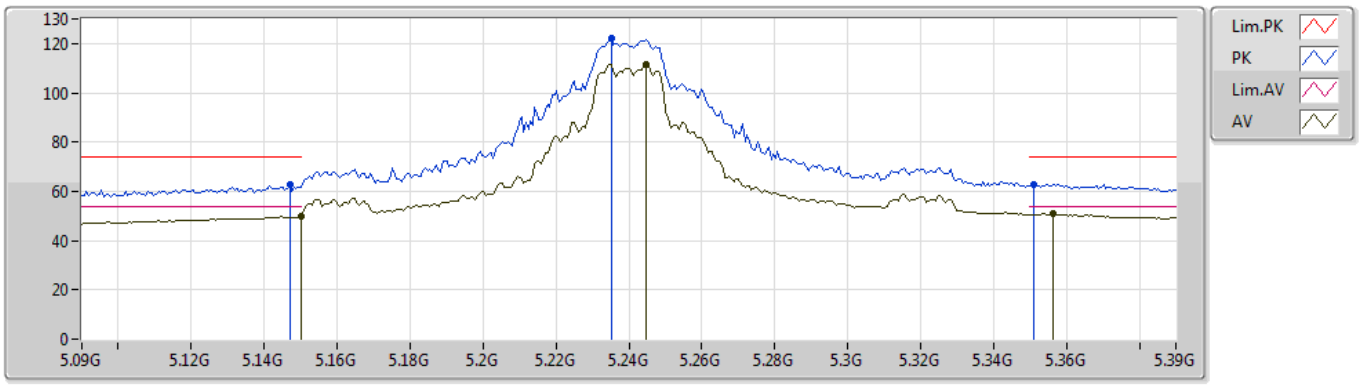
EUT Y_4TX
Setting 99
03-N-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.141G	61.56	74.00	-12.44	5.48	3	Vertical	321	2.10	-	56.08
AV	5.15G	48.19	54.00	-5.81	5.50	3	Vertical	321	2.10	-	42.69
PK	5.2442G	118.90	Inf	-Inf	5.71	3	Vertical	321	2.10	-	113.19
AV	5.2442G	108.59	Inf	-Inf	5.71	3	Vertical	321	2.10	-	102.88
PK	5.3552G	60.80	74.00	-13.20	5.82	3	Vertical	321	2.10	-	54.98
AV	5.3546G	48.11	54.00	-5.89	5.81	3	Vertical	321	2.10	-	42.30

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

06/10/2019



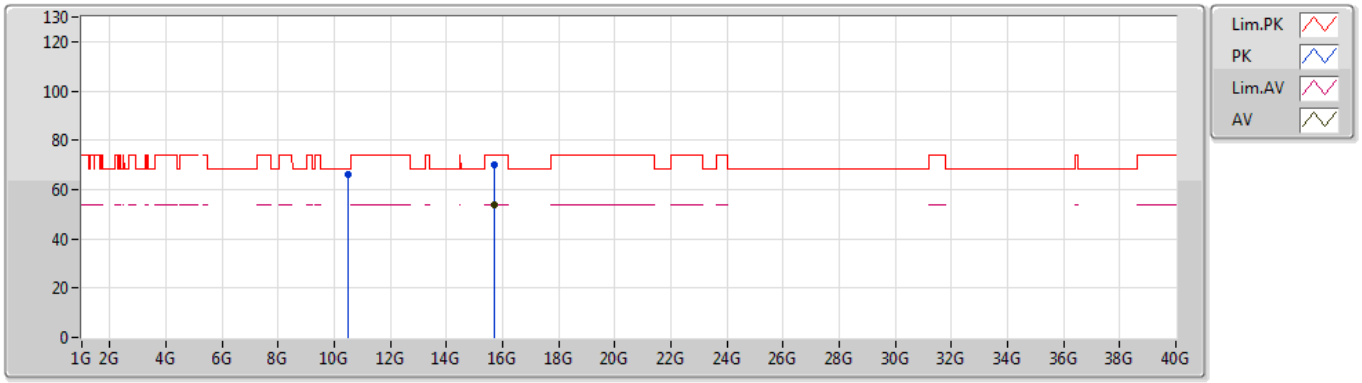
EUT Y_4TX
Setting 99
03-N-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.147G	62.69	74.00	-11.31	5.50	3	Horizontal	183	1.35	-	57.19
AV	5.15G	49.75	54.00	-4.25	5.50	3	Horizontal	183	1.35	-	44.25
PK	5.2352G	122.22	Inf	-Inf	5.69	3	Horizontal	183	1.35	-	116.53
AV	5.2448G	111.66	Inf	-Inf	5.71	3	Horizontal	183	1.35	-	105.95
PK	5.351G	62.89	74.00	-11.11	5.81	3	Horizontal	183	1.35	-	57.08
AV	5.3564G	50.95	54.00	-3.05	5.82	3	Horizontal	183	1.35	-	45.13

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

06/10/2019



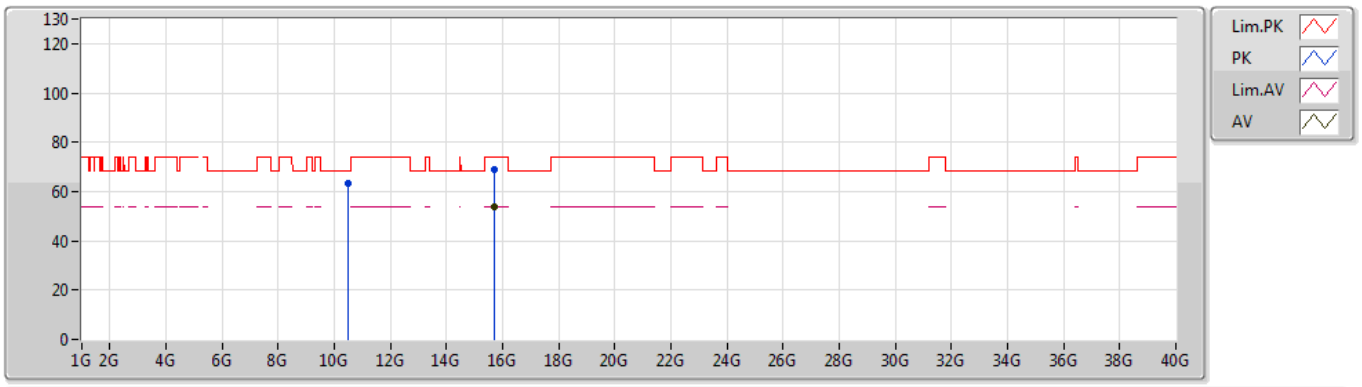
EUT Y_4TX
Setting 99
03-N-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.48096G	66.01	68.20	-2.19	12.30	3	Vertical	139	1.42	-	53.71
AV	15.72068G	53.81	54.00	-0.19	13.75	3	Vertical	263	1.17	-	40.06
PK	15.72052G	70.01	74.00	-3.99	13.75	3	Vertical	263	1.17	-	56.26

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

06/10/2019



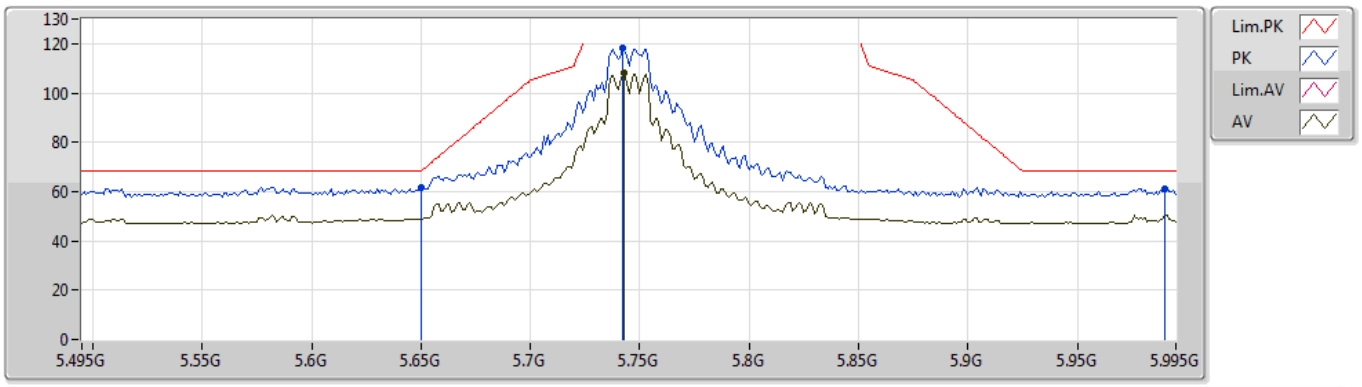
EUT Y_4TX
Setting 99
03-N-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.47736G	63.20	68.20	-5.00	12.29	3	Horizontal	108	1.79	-	50.91
PK	15.71732G	68.74	74.00	-5.26	13.76	3	Horizontal	334	1.74	-	54.98
AV	15.71716G	53.88	54.00	-0.12	13.76	3	Horizontal	334	1.74	-	40.12

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5745MHz_TX



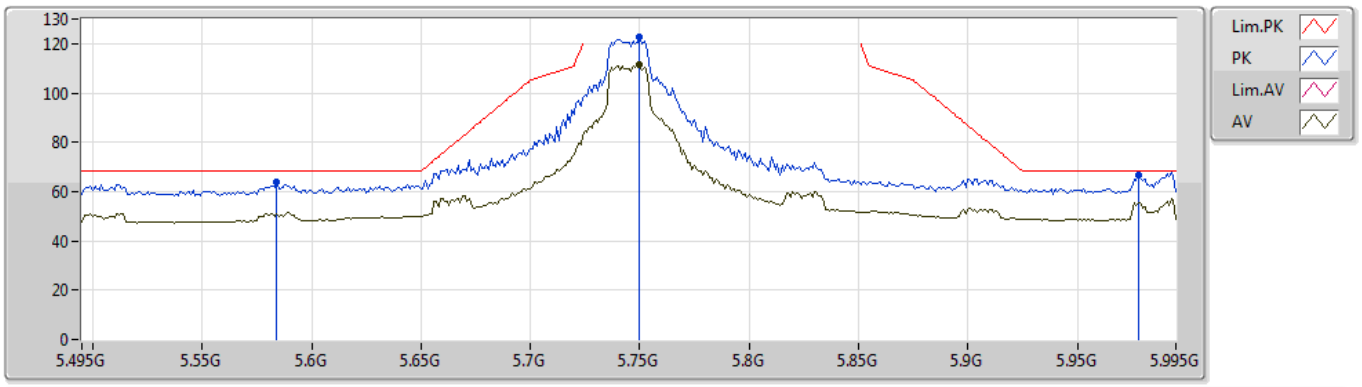
EUT Y_4TX
Setting 95
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.65G	61.80	68.20	-6.40	6.06	3	Vertical	64	1.44	-	55.74
PK	5.742G	118.14	Inf	-Inf	5.87	3	Vertical	64	1.44	-	112.27
AV	5.743G	108.08	Inf	-Inf	5.86	3	Vertical	64	1.44	-	102.22
PK	5.99G	61.35	68.20	-6.85	6.38	3	Vertical	64	1.44	-	54.97

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



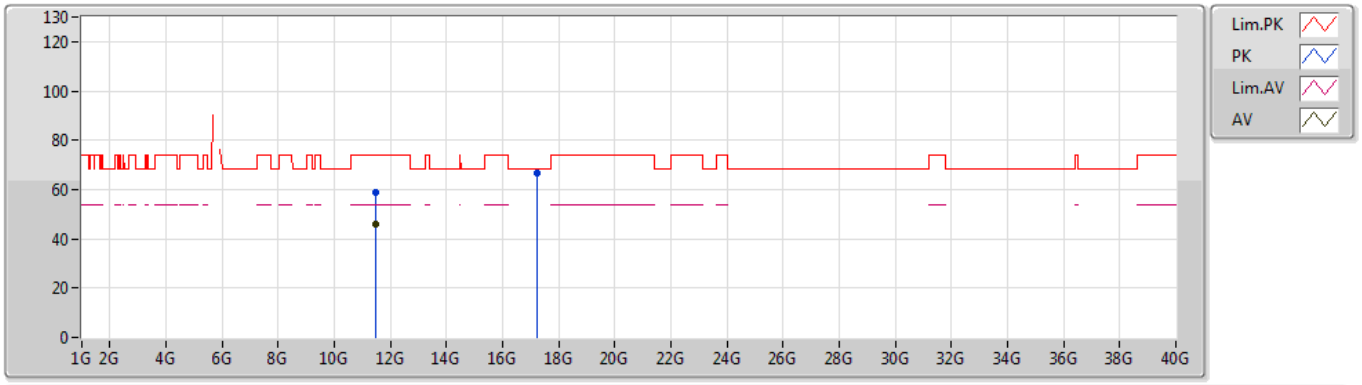
EUT Y_4TX
Setting 95
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.584G	63.67	68.20	-4.53	6.16	3	Horizontal	182	1.08	-	57.51
PK	5.75G	122.57	Inf	-Inf	5.85	3	Horizontal	182	1.08	-	116.72
AV	5.75G	111.24	Inf	-Inf	5.85	3	Horizontal	182	1.08	-	105.39
PK	5.978G	66.67	68.20	-1.53	6.33	3	Horizontal	182	1.08	-	60.34

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



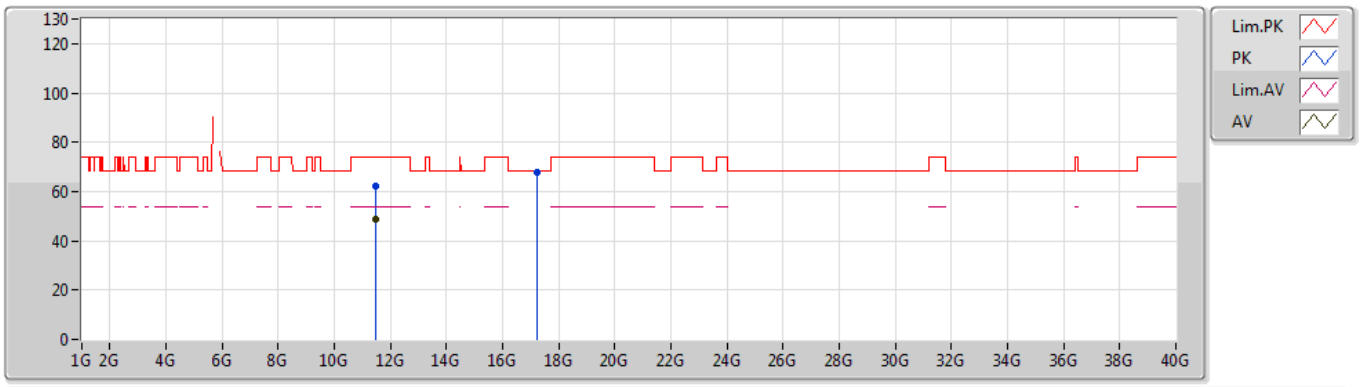
EUT Y_4TX
Setting 95
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.49042G	58.60	74.00	-15.40	13.00	3	Vertical	84	1.61	-	45.60
AV	11.4906G	45.79	54.00	-8.21	13.00	3	Vertical	84	1.61	-	32.79
PK	17.2308G	66.52	68.20	-1.68	17.32	3	Vertical	283	1.44	-	49.20

802.11ac VHT20_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



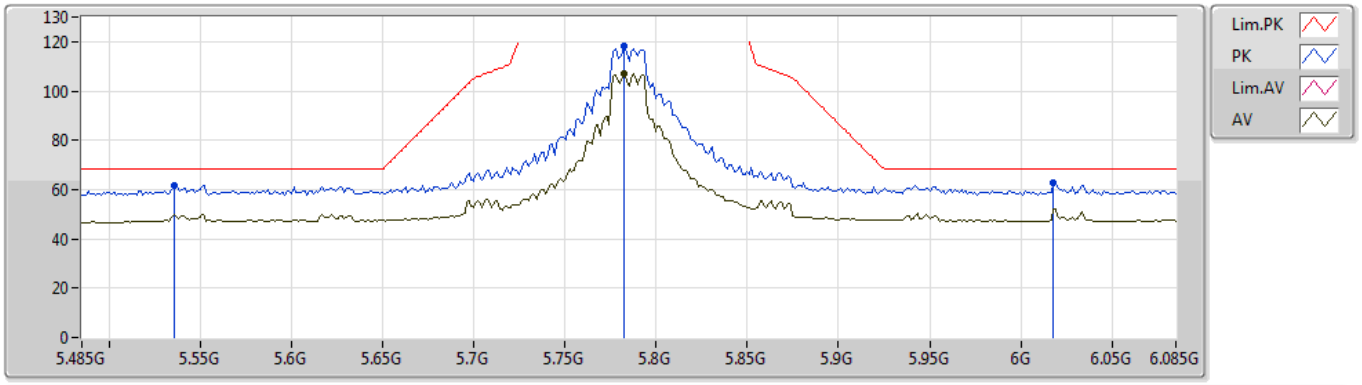
EUT Y_4TX
Setting 95
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.49072G	62.01	74.00	-11.99	13.00	3	Horizontal	92	1.41	-	49.01
AV	11.49078G	48.73	54.00	-5.27	13.00	3	Horizontal	92	1.41	-	35.73
PK	17.22768G	67.89	68.20	-0.31	17.30	3	Horizontal	112	1.51	-	50.59

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

07/10/2019



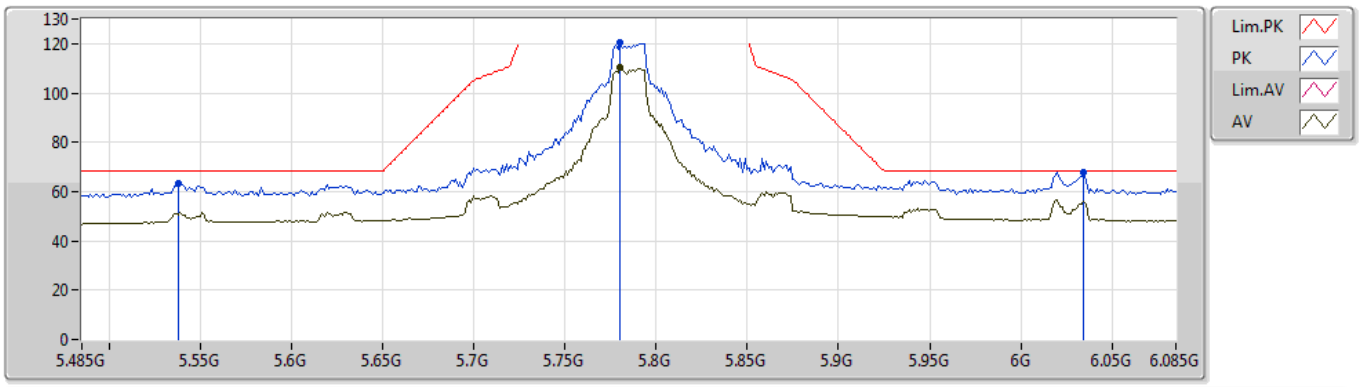
EUT Y_4TX
Setting 98
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.5354G	61.55	68.20	-6.65	6.14	3	Vertical	65	1.37	-	55.41
PK	5.7826G	118.32	Inf	-Inf	5.80	3	Vertical	65	1.37	-	112.52
AV	5.7826G	106.95	Inf	-Inf	5.80	3	Vertical	65	1.37	-	101.15
PK	6.0178G	62.60	68.20	-5.60	6.45	3	Vertical	65	1.37	-	56.15

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

07/10/2019



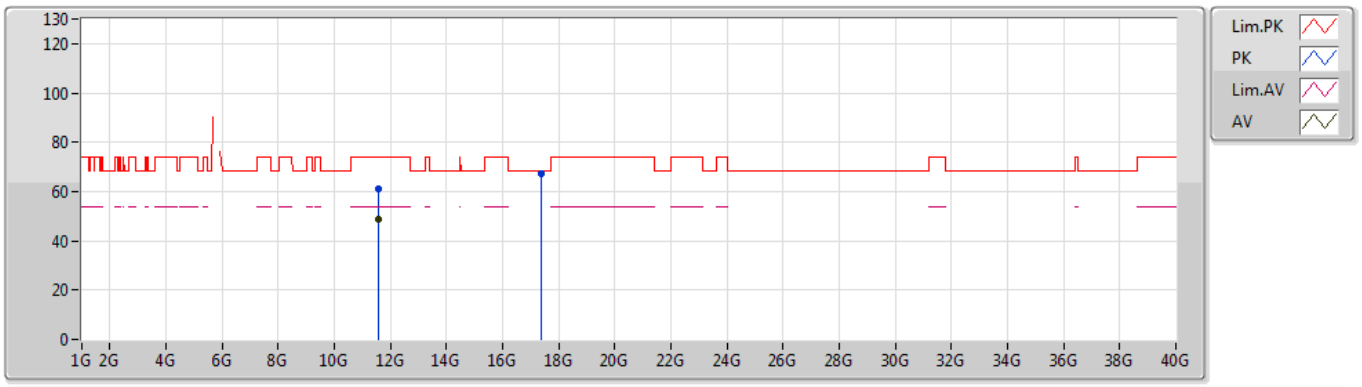
EUT Y_4TX
Setting 98
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.5378G	63.19	68.20	-5.01	6.14	3	Horizontal	182	1.21	-	57.05
PK	5.7802G	120.70	Inf	-Inf	5.81	3	Horizontal	182	1.21	-	114.89
AV	5.7802G	110.45	Inf	-Inf	5.81	3	Horizontal	182	1.21	-	104.64
PK	6.0346G	67.76	68.20	-0.44	6.47	3	Horizontal	182	1.21	-	61.29

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

07/10/2019



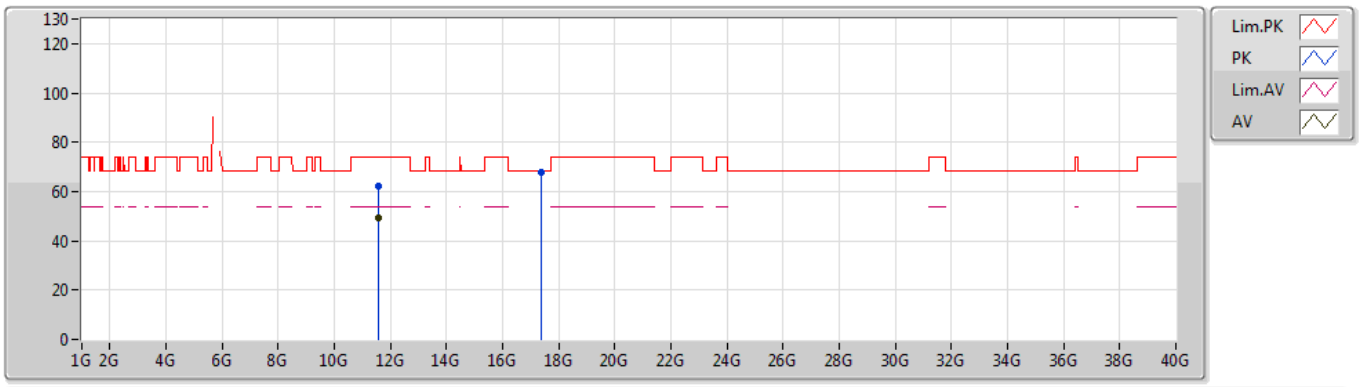
EUT Y_4TX
Setting 98
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.57024G	61.05	74.00	-12.95	13.04	3	Vertical	86	1.63	-	48.01
AV	11.57048G	48.51	54.00	-5.49	13.04	3	Vertical	86	1.63	-	35.47
PK	17.3547G	67.12	68.20	-1.08	17.95	3	Vertical	96	2.25	-	49.17

802.11ac VHT20_Nss1,(MCS0)_4TX

5785MHz_TX

07/10/2019



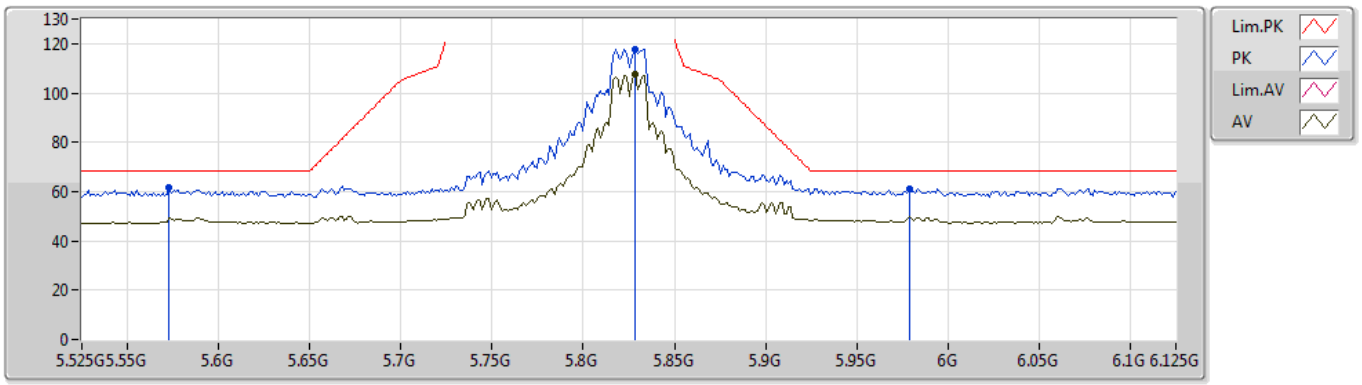
EUT Y_4TX
Setting 98
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.57078G	62.34	74.00	-11.66	13.04	3	Horizontal	95	1.40	-	49.30
AV	11.57066G	49.29	54.00	-4.71	13.04	3	Horizontal	95	1.40	-	36.25
PK	17.35812G	68.00	68.20	-0.20	17.97	3	Horizontal	111	1.53	-	50.03

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5825MHz_TX



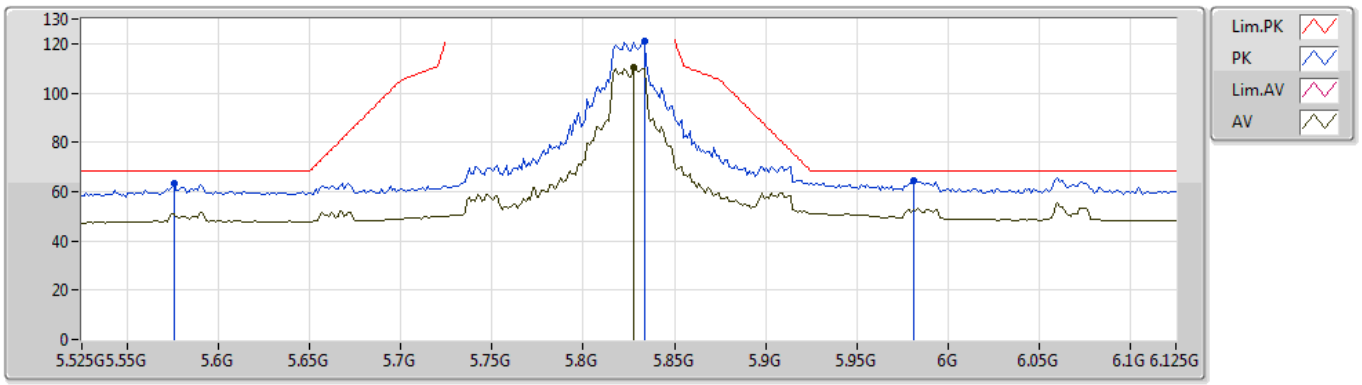
EUT Y_4TX
Setting 96
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.573G	61.40	68.20	-6.80	6.16	3	Vertical	69	1.52	-	55.24
PK	5.8286G	117.78	Inf	-Inf	5.86	3	Vertical	69	1.52	-	111.92
AV	5.8286G	107.40	Inf	-Inf	5.86	3	Vertical	69	1.52	-	101.54
PK	5.9786G	61.25	68.20	-6.95	6.34	3	Vertical	69	1.52	-	54.91

802.11ac VHT20_Nss1,(MCS0)_4TX

16/10/2019

5825MHz_TX



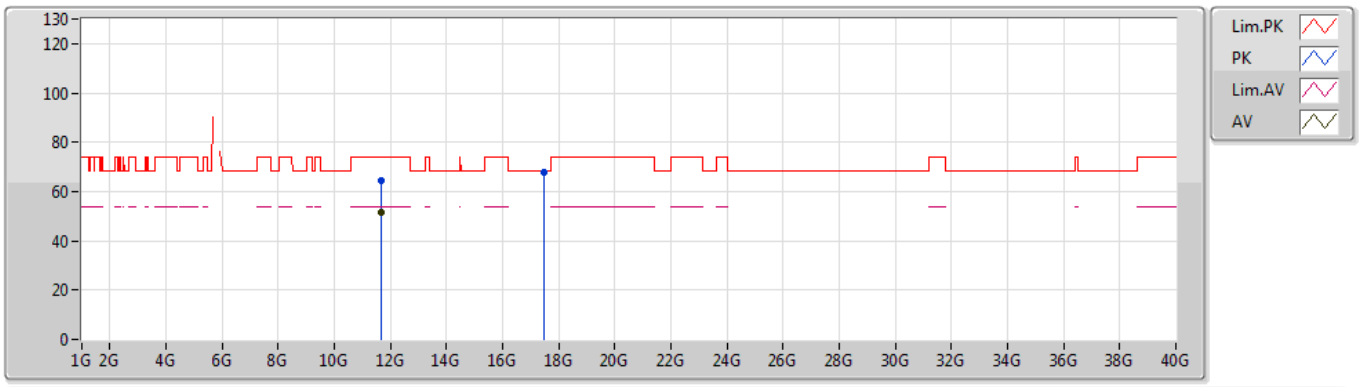
EUT Y_4TX
Setting 96
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.5754G	63.48	68.20	-4.72	6.15	3	Horizontal	172	1.32	-	57.33
PK	5.8334G	121.27	Inf	-Inf	5.88	3	Horizontal	172	1.32	-	115.39
AV	5.8274G	110.15	Inf	-Inf	5.85	3	Horizontal	172	1.32	-	104.30
PK	5.981G	64.40	68.20	-3.80	6.34	3	Horizontal	172	1.32	-	58.06

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

07/10/2019



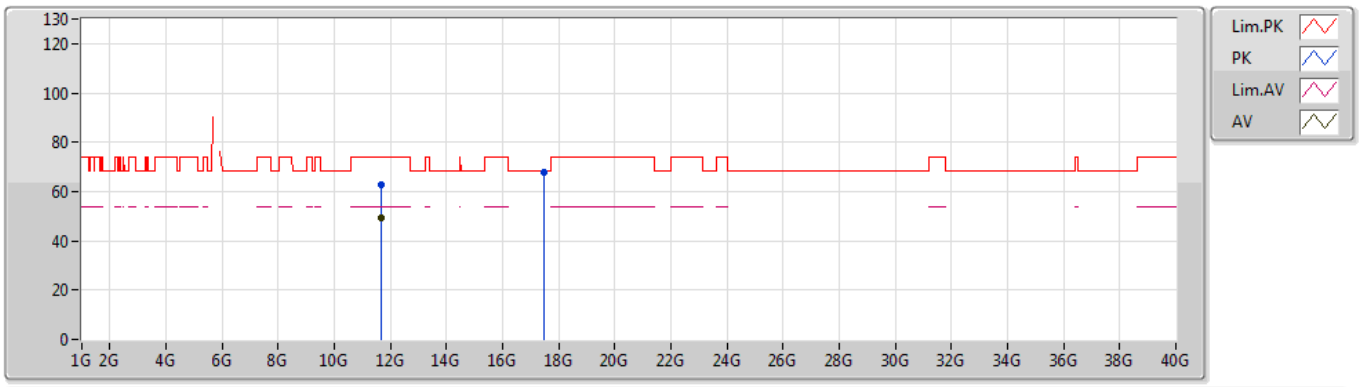
EUT Y_4TX
Setting 96
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.6506G	64.67	74.00	-9.33	13.09	3	Vertical	88	1.64	-	51.58
AV	11.6506G	51.38	54.00	-2.62	13.09	3	Vertical	88	1.64	-	38.29
PK	17.47122G	67.92	68.20	-0.28	18.54	3	Vertical	29	1.85	-	49.38

802.11ac VHT20_Nss1,(MCS0)_4TX

5825MHz_TX

07/10/2019



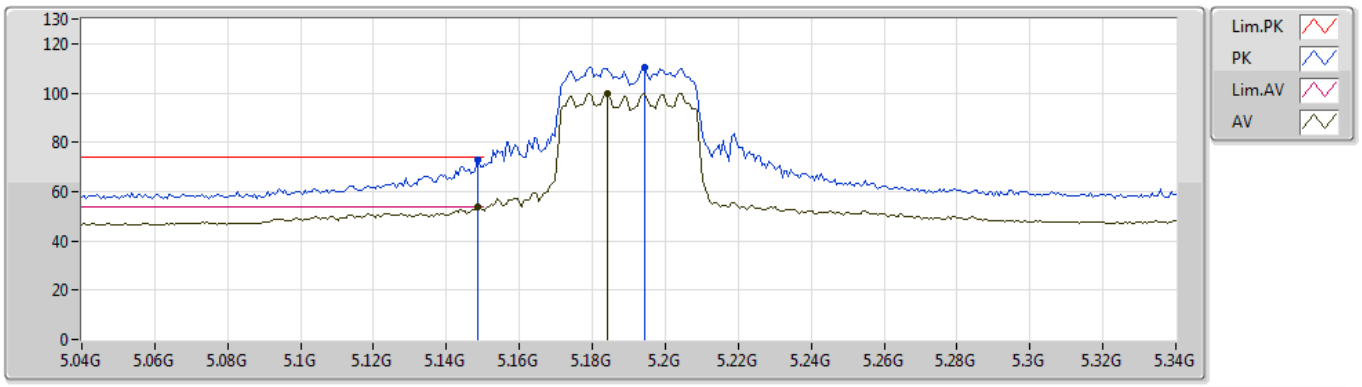
EUT Y_4TX
Setting 96
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.65054G	62.94	74.00	-11.06	13.09	3	Horizontal	102	1.42	-	49.85
AV	11.65054G	49.34	54.00	-4.66	13.09	3	Horizontal	102	1.42	-	36.25
PK	17.47638G	67.83	68.20	-0.37	18.57	3	Horizontal	25	1.50	-	49.26

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5190MHz_TX



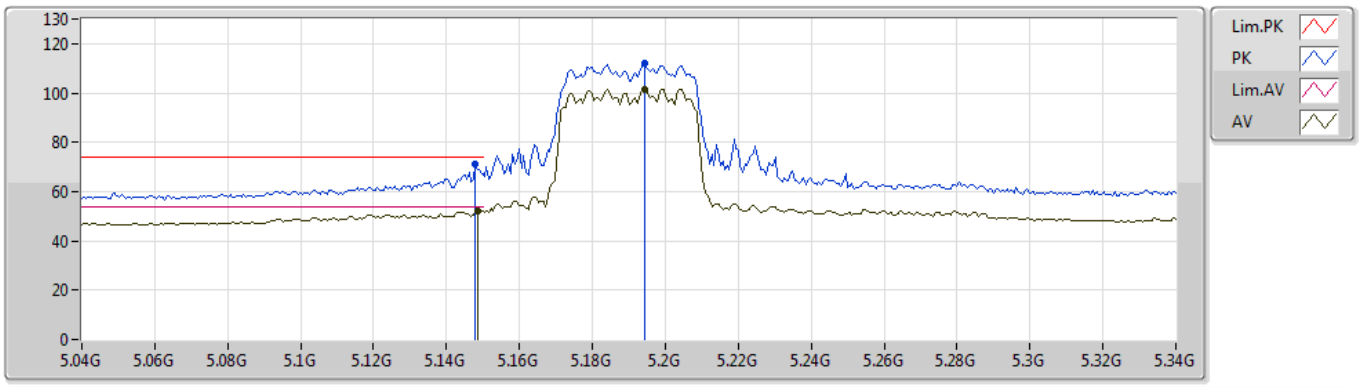
EUT Y_4TX
Setting 67
03-K-3-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1486G	73.07	74.00	-0.93	5.50	3	Vertical	320	2.14	-	67.57
AV	5.1486G	53.82	54.00	-0.18	5.50	3	Vertical	320	2.14	-	48.32
PK	5.1942G	110.51	Inf	-Inf	5.62	3	Vertical	320	2.14	-	104.89
AV	5.184G	99.99	Inf	-Inf	5.59	3	Vertical	320	2.14	-	94.40

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5190MHz_TX



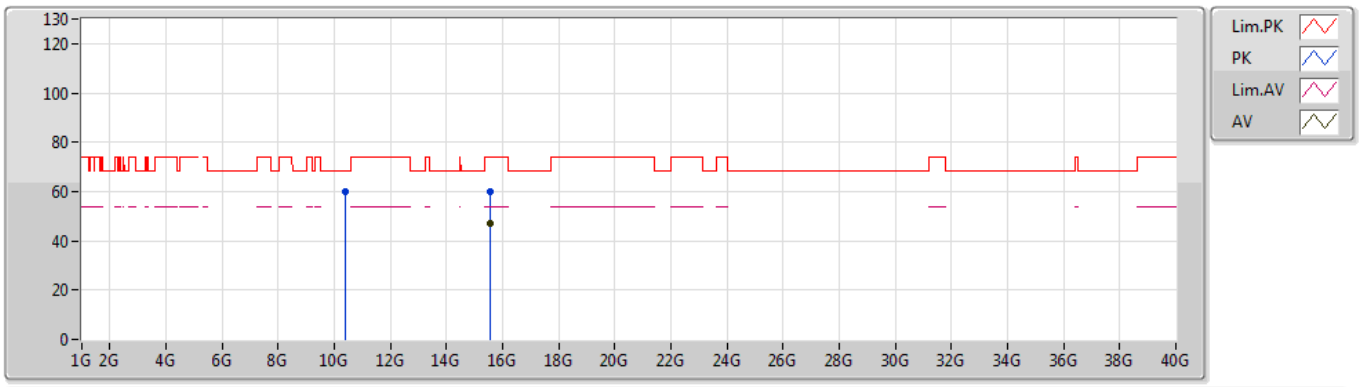
EUT Y_4TX
Setting 67
03-K-3-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.148G	70.94	74.00	-3.06	5.50	3	Horizontal	177	1.17	-	65.44
AV	5.1486G	52.33	54.00	-1.67	5.50	3	Horizontal	177	1.17	-	46.83
PK	5.1942G	112.09	Inf	-Inf	5.62	3	Horizontal	177	1.17	-	106.47
AV	5.1942G	101.60	Inf	-Inf	5.62	3	Horizontal	177	1.17	-	95.98

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5190MHz_TX



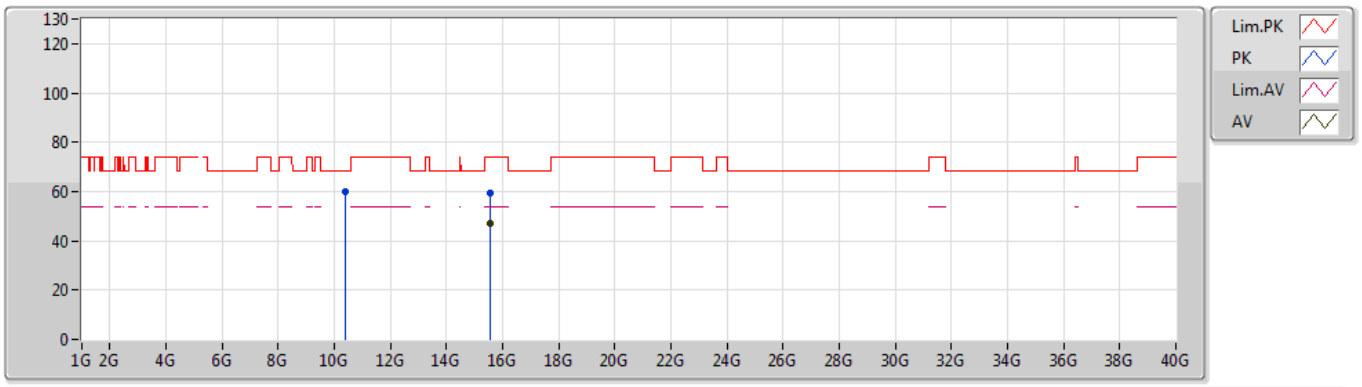
EUT Y_4TX
Setting 67
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.37904G	59.78	68.20	-8.42	12.21	3	Vertical	140	1.45	-	47.57
PK	15.58158G	60.08	74.00	-13.92	14.26	3	Vertical	45	2.98	-	45.82
AV	15.57606G	46.96	54.00	-7.04	14.26	3	Vertical	45	2.98	-	32.70

802.11ac VHT40_Nss1,(MCS0)_4TX

5190MHz_TX

11/10/2019



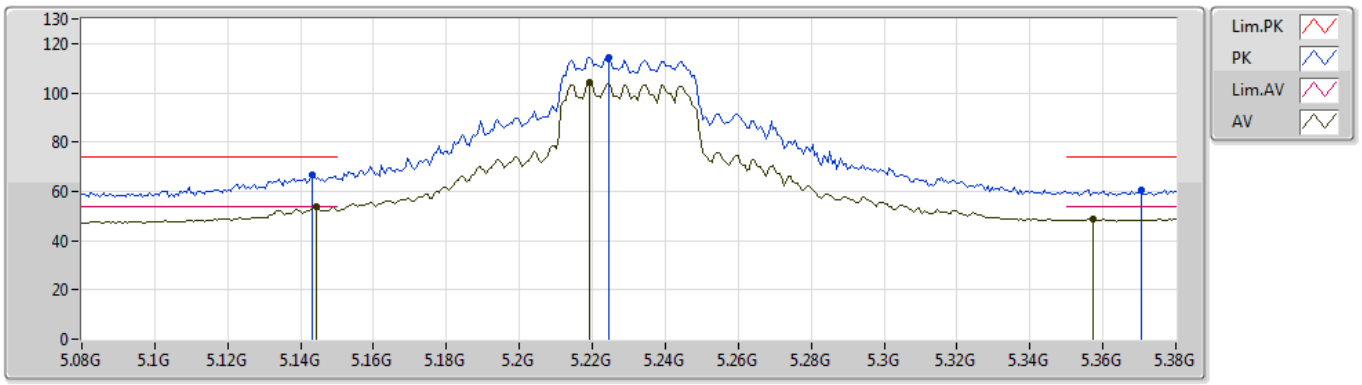
EUT Y_4TX
Setting 67
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.3842G	59.91	68.20	-8.29	12.21	3	Horizontal	125	1.39	-	47.70
PK	15.57984G	59.22	74.00	-14.78	14.26	3	Horizontal	10	2.38	-	44.96
AV	15.57726G	47.12	54.00	-6.88	14.27	3	Horizontal	10	2.38	-	32.85

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5230MHz_TX



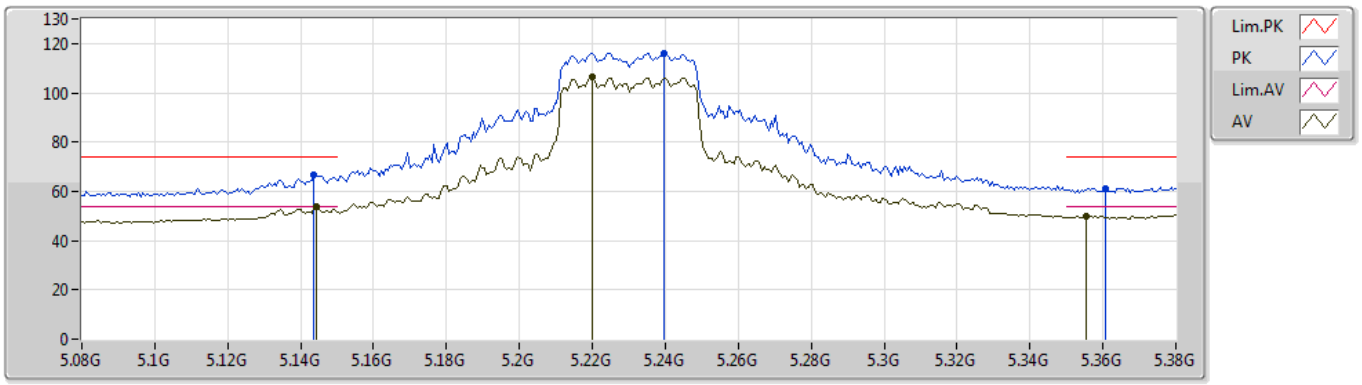
EUT Y_4TX
Setting 89
03-K-3-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.143G	66.49	74.00	-7.51	5.48	3	Vertical	321	2.22	-	61.01
AV	5.1442G	53.80	54.00	-0.20	5.48	3	Vertical	321	2.22	-	48.32
PK	5.2246G	114.24	Inf	-Inf	5.68	3	Vertical	321	2.22	-	108.56
AV	5.2192G	104.04	Inf	-Inf	5.67	3	Vertical	321	2.22	-	98.37
PK	5.3704G	60.66	74.00	-13.34	5.82	3	Vertical	321	2.22	-	54.84
AV	5.3572G	48.66	54.00	-5.34	5.82	3	Vertical	321	2.22	-	42.84

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5230MHz_TX



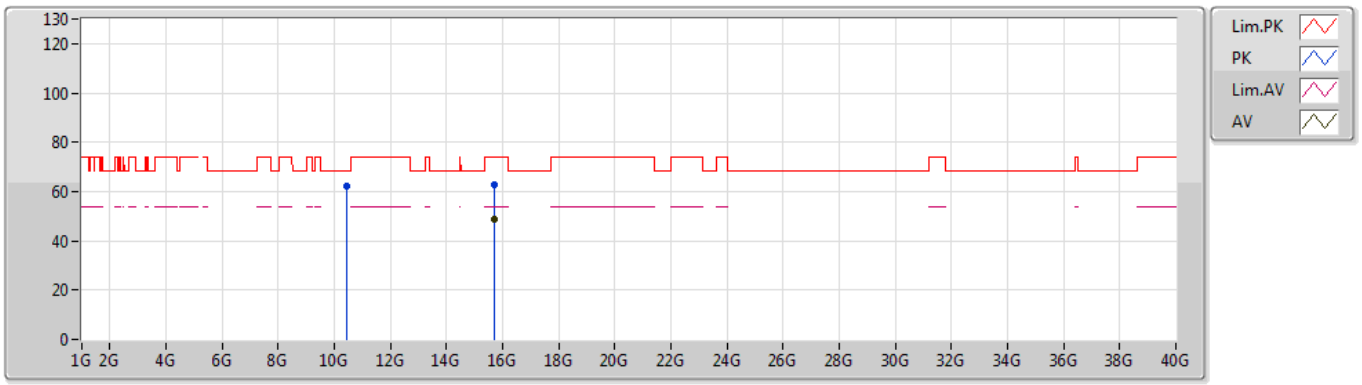
EUT Y_4TX
Setting 89
03-K-3-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1436G	66.51	74.00	-7.49	5.48	3	Horizontal	181	1.37	-	61.03
AV	5.1442G	53.75	54.00	-0.25	5.48	3	Horizontal	181	1.37	-	48.27
PK	5.2396G	116.26	Inf	-Inf	5.70	3	Horizontal	181	1.37	-	110.56
AV	5.2198G	106.60	Inf	-Inf	5.67	3	Horizontal	181	1.37	-	100.93
PK	5.3608G	61.26	74.00	-12.74	5.82	3	Horizontal	181	1.37	-	55.44
AV	5.3554G	49.86	54.00	-4.14	5.82	3	Horizontal	181	1.37	-	44.04

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5230MHz_TX



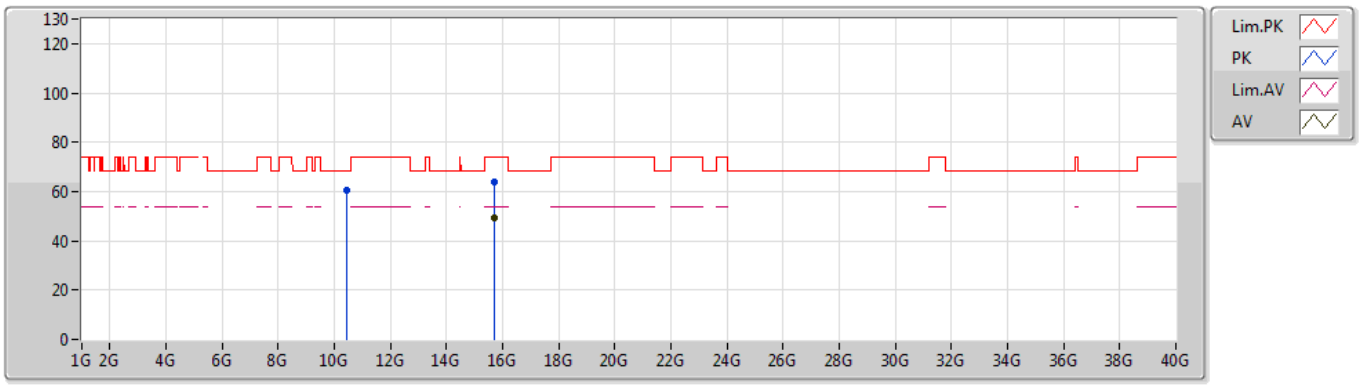
EUT Y_4TX
Setting 89
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.4564G	62.04	68.20	-6.16	12.27	3	Vertical	137	1.50	-	49.77
PK	15.68064G	63.01	74.00	-10.99	13.90	3	Vertical	263	1.43	-	49.11
AV	15.69108G	48.94	54.00	-5.06	13.86	3	Vertical	263	1.43	-	35.08

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5230MHz_TX



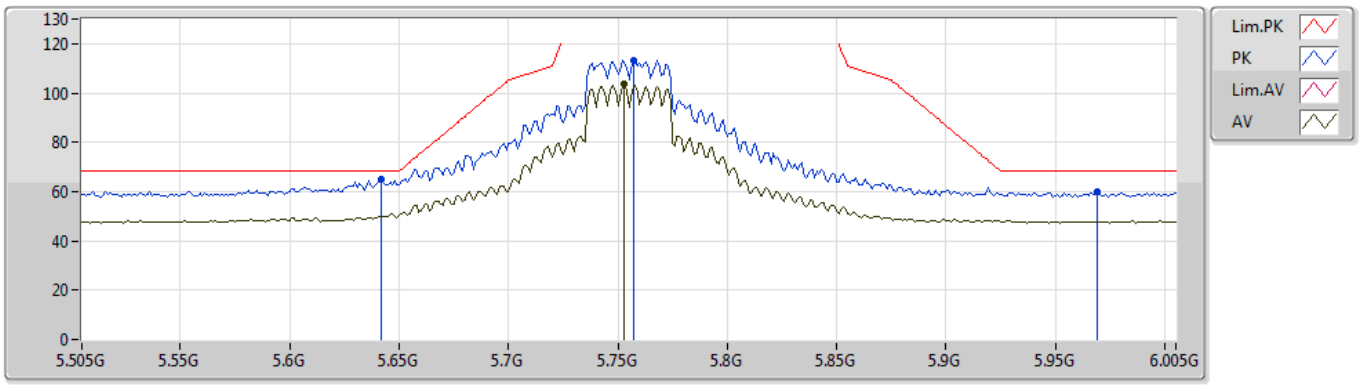
EUT Y_4TX
Setting 89
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.46114G	60.30	68.20	-7.90	12.27	3	Horizontal	104	1.56	-	48.03
PK	15.69576G	63.81	74.00	-10.19	13.83	3	Horizontal	320	2.19	-	49.98
AV	15.68076G	49.39	54.00	-4.61	13.90	3	Horizontal	320	2.19	-	35.49

802.11ac VHT40_Nss1,(MCS0)_4TX

17/10/2019

5755MHz_TX



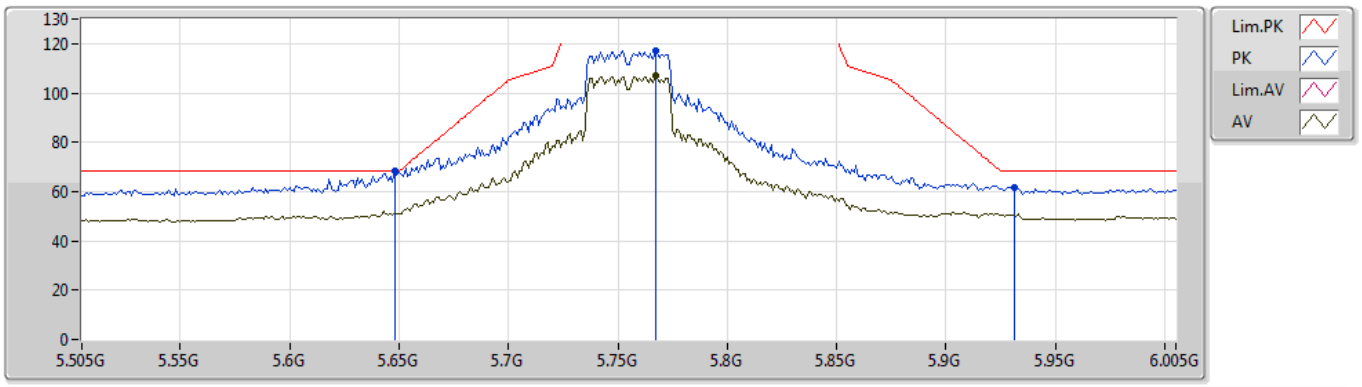
EUT Y_4TX
Setting 90
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.642G	64.73	68.20	-3.47	6.08	3	Vertical	67	1.49	-	58.65
PK	5.757G	113.44	Inf	-Inf	5.85	3	Vertical	67	1.49	-	107.59
AV	5.753G	103.46	Inf	-Inf	5.85	3	Vertical	67	1.49	-	97.61
PK	5.969G	59.88	68.20	-8.32	6.31	3	Vertical	67	1.49	-	53.57

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



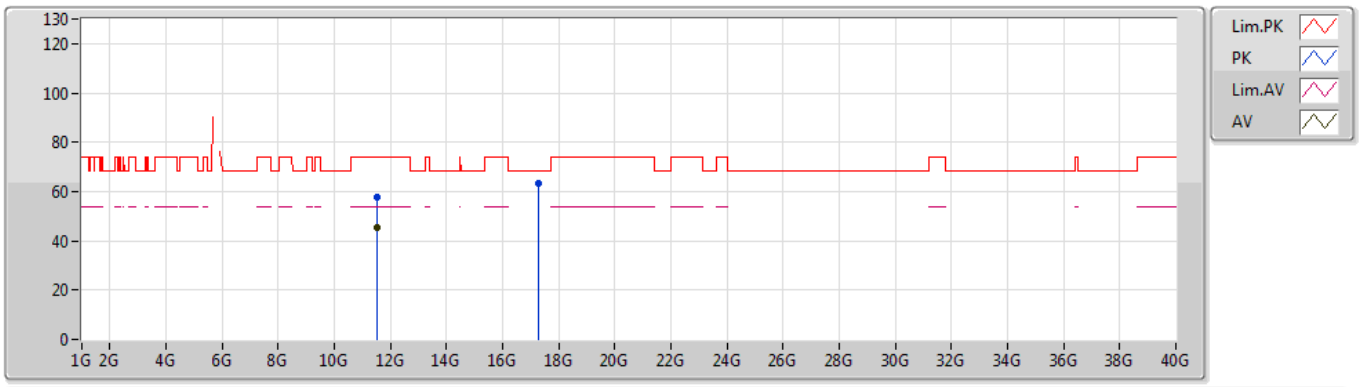
EUT Y_4TX
Setting 90
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.648G	68.11	68.20	-0.09	6.06	3	Horizontal	176	1.26	-	62.05
PK	5.767G	116.89	Inf	-Inf	5.83	3	Horizontal	176	1.26	-	111.06
AV	5.767G	106.81	Inf	-Inf	5.83	3	Horizontal	176	1.26	-	100.98
PK	5.931G	61.79	68.20	-6.41	6.16	3	Horizontal	176	1.26	-	55.63

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



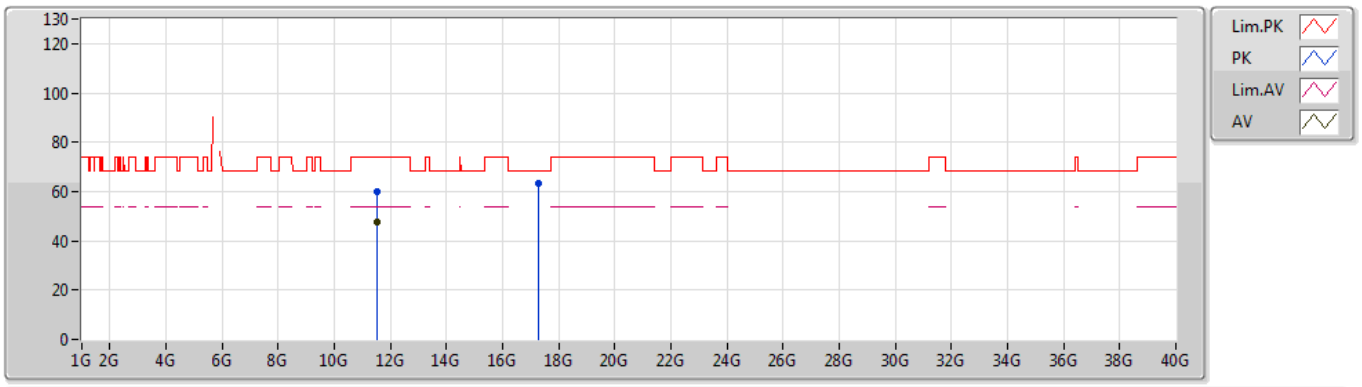
EUT Y_4TX
Setting 90
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.511G	57.57	74.00	-16.43	13.01	3	Vertical	87	1.64	-	44.56
AV	11.5104G	45.56	54.00	-8.44	13.01	3	Vertical	87	1.64	-	32.55
PK	17.2704G	63.12	68.20	-5.08	17.52	3	Vertical	232	1.55	-	45.60

802.11ac VHT40_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



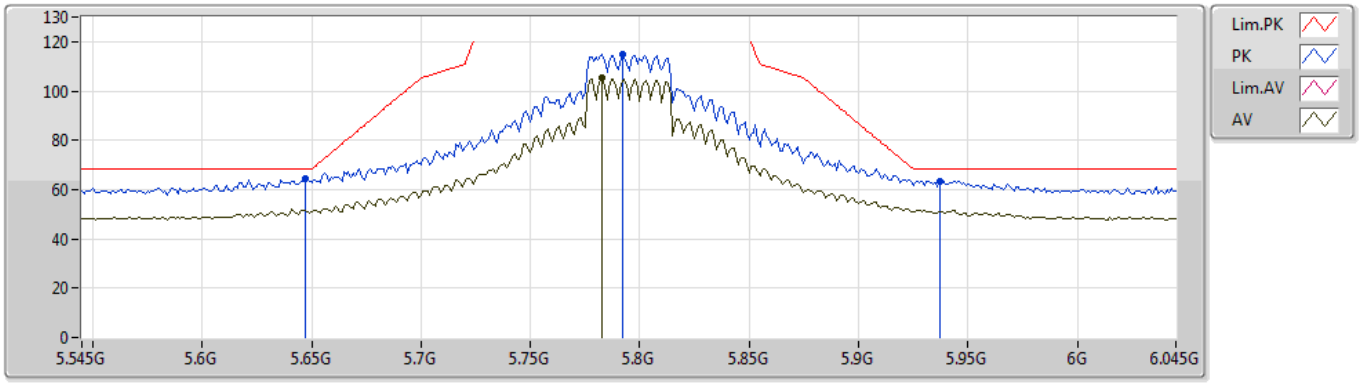
EUT Y_4TX
Setting 90
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5106G	59.69	74.00	-14.31	13.01	3	Horizontal	92	1.31	-	46.68
AV	11.5111G	47.37	54.00	-6.63	13.01	3	Horizontal	92	1.31	-	34.36
PK	17.2695G	63.41	68.20	-4.79	17.51	3	Horizontal	114	2.09	-	45.90

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

16/10/2019



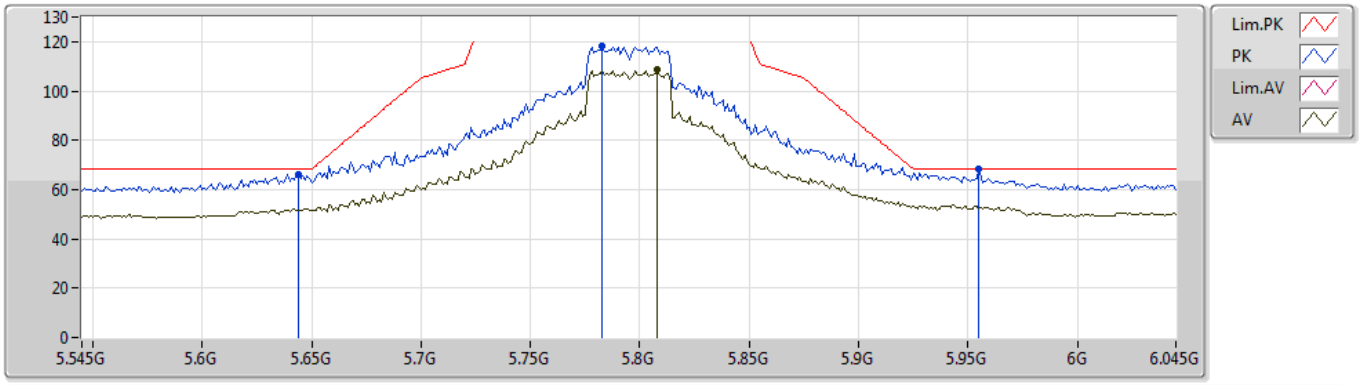
EUT Y_4TX
Setting 97
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.647G	64.64	68.20	-3.56	6.06	3	Vertical	69	1.46	-	58.58
PK	5.792G	114.91	Inf	-Inf	5.79	3	Vertical	69	1.46	-	109.12
AV	5.783G	105.20	Inf	-Inf	5.80	3	Vertical	69	1.46	-	99.40
PK	5.937G	63.55	68.20	-4.65	6.19	3	Vertical	69	1.46	-	57.36

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

16/10/2019



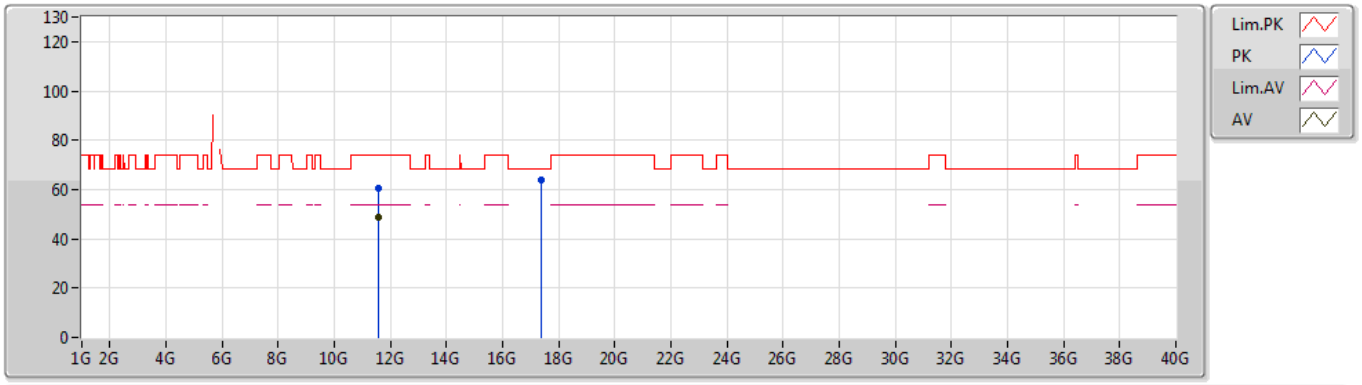
EUT Y_4TX
Setting 97
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.644G	66.01	68.20	-2.19	6.07	3	Horizontal	174	1.36	-	59.94
PK	5.783G	118.29	Inf	-Inf	5.80	3	Horizontal	174	1.36	-	112.49
AV	5.808G	108.44	Inf	-Inf	5.81	3	Horizontal	174	1.36	-	102.63
PK	5.955G	68.13	68.20	-0.07	6.24	3	Horizontal	174	1.36	-	61.89

802.11ac VHT40_Nss1,(MCS0)_4TX

5795MHz_TX

11/10/2019



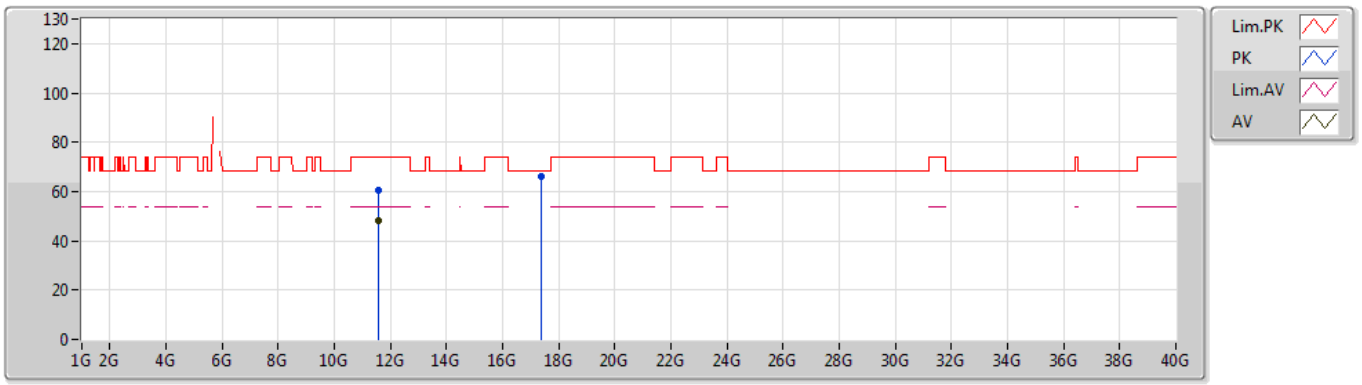
EUT Y_4TX
Setting 97
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5904G	60.70	74.00	-13.30	13.05	3	Vertical	86	1.66	-	47.65
AV	11.5905G	48.63	54.00	-5.37	13.05	3	Vertical	86	1.66	-	35.58
PK	17.3673G	64.10	68.20	-4.10	18.00	3	Vertical	121	1.95	-	46.10

802.11ac VHT40_Nss1,(MCS0)_4TX

11/10/2019

5795MHz_TX



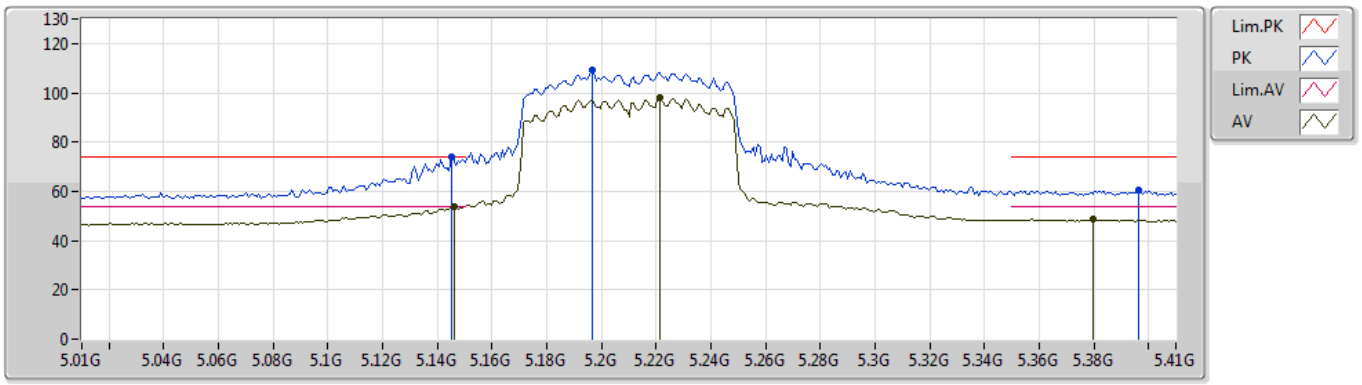
EUT Y_4TX
Setting 97
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5907G	60.29	74.00	-13.71	13.05	3	Horizontal	94	1.34	-	47.24
AV	11.5908G	48.42	54.00	-5.58	13.05	3	Horizontal	94	1.34	-	35.37
PK	17.3776G	66.20	68.20	-2.00	18.06	3	Horizontal	110	1.43	-	48.14

802.11ac VHT80_Nss1,(MCS0)_4TX

11/10/2019

5210MHz_TX



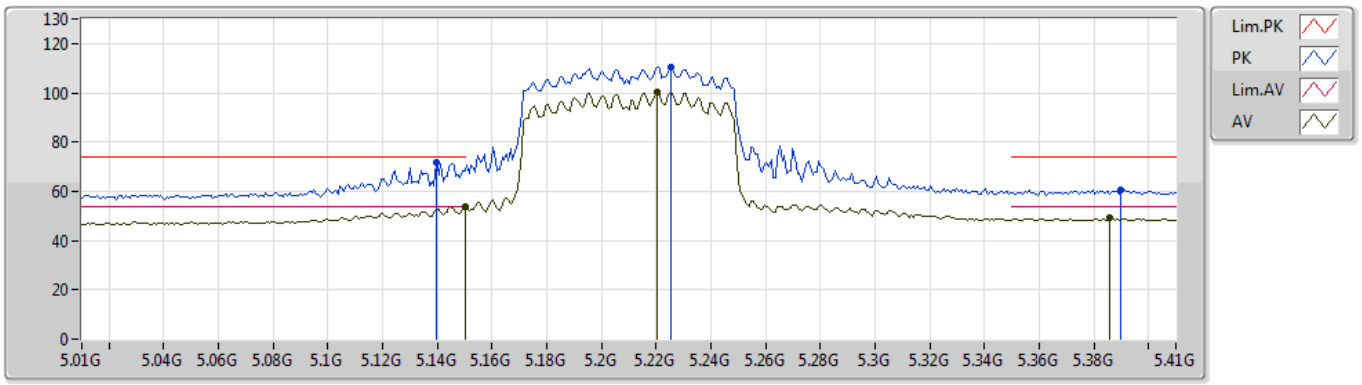
EUT Y_4TX
Setting 70
03-K-3-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1452G	73.75	74.00	-0.25	5.50	3	Vertical	326	1.49	-	68.25
AV	5.146G	53.81	54.00	-0.19	5.50	3	Vertical	326	1.49	-	48.31
PK	5.1964G	109.02	Inf	-Inf	5.63	3	Vertical	326	1.49	-	103.39
AV	5.2212G	97.82	Inf	-Inf	5.67	3	Vertical	326	1.49	-	92.15
PK	5.3964G	60.26	74.00	-13.74	5.84	3	Vertical	326	1.49	-	54.42
AV	5.3796G	48.55	54.00	-5.45	5.83	3	Vertical	326	1.49	-	42.72

802.11ac VHT80_Nss1,(MCS0)_4TX

11/10/2019

5210MHz_TX



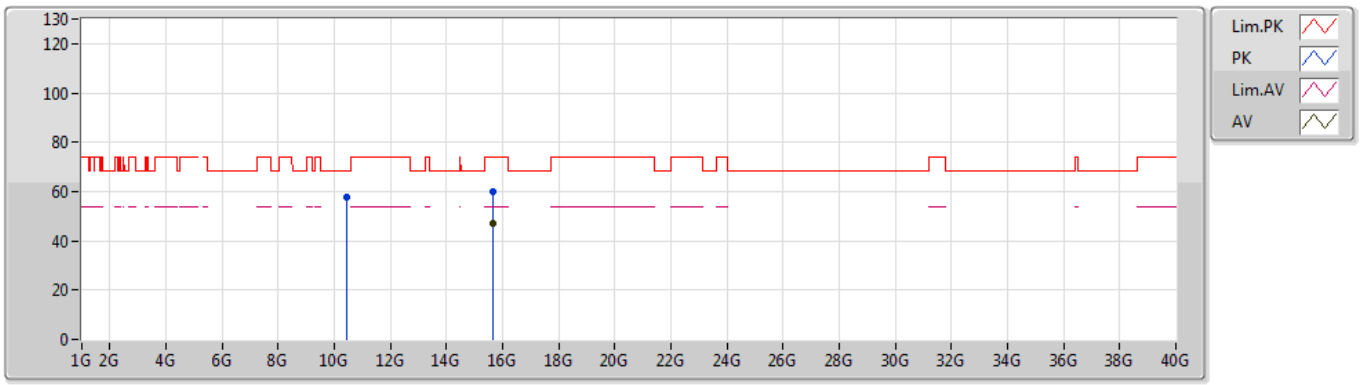
EUT Y_4TX
Setting 70
03-K-3-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1396G	71.47	74.00	-2.53	5.48	3	Horizontal	172	1.45	-	65.99
AV	5.15G	53.87	54.00	-0.13	5.50	3	Horizontal	172	1.45	-	48.37
PK	5.2252G	110.24	Inf	-Inf	5.68	3	Horizontal	172	1.45	-	104.56
AV	5.2204G	100.20	Inf	-Inf	5.67	3	Horizontal	172	1.45	-	94.53
PK	5.39G	60.72	74.00	-13.28	5.83	3	Horizontal	172	1.45	-	54.89
AV	5.386G	49.05	54.00	-4.95	5.84	3	Horizontal	172	1.45	-	43.21

802.11ac VHT80_Nss1,(MCS0)_4TX

11/10/2019

5210MHz_TX



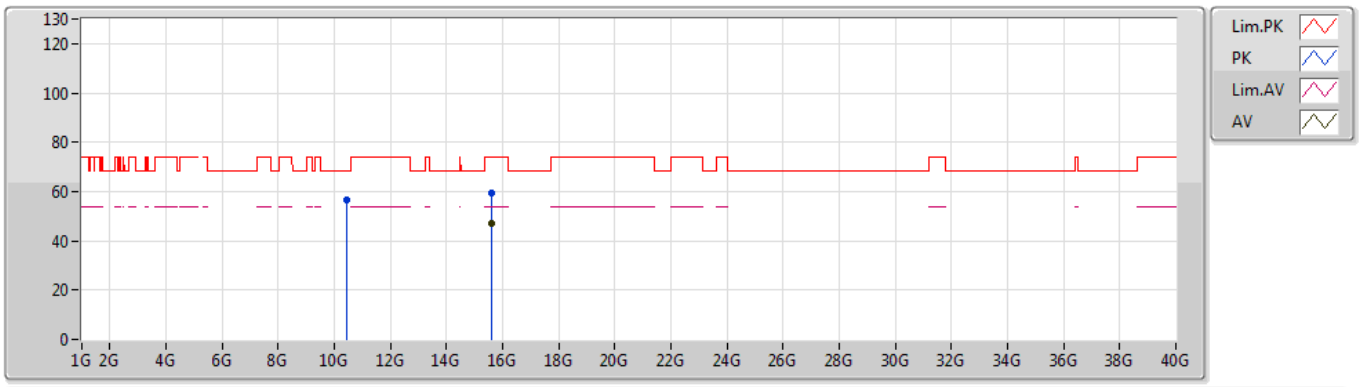
EUT Y_4TX
Setting 70
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.4244G	57.86	68.20	-10.34	12.24	3	Vertical	139	1.46	-	45.62
PK	15.6357G	59.70	74.00	-14.30	14.05	3	Vertical	213	1.50	-	45.65
AV	15.6348G	47.07	54.00	-6.93	14.07	3	Vertical	213	1.50	-	33.00

802.11ac VHT80_Nss1,(MCS0)_4TX

11/10/2019

5210MHz_TX



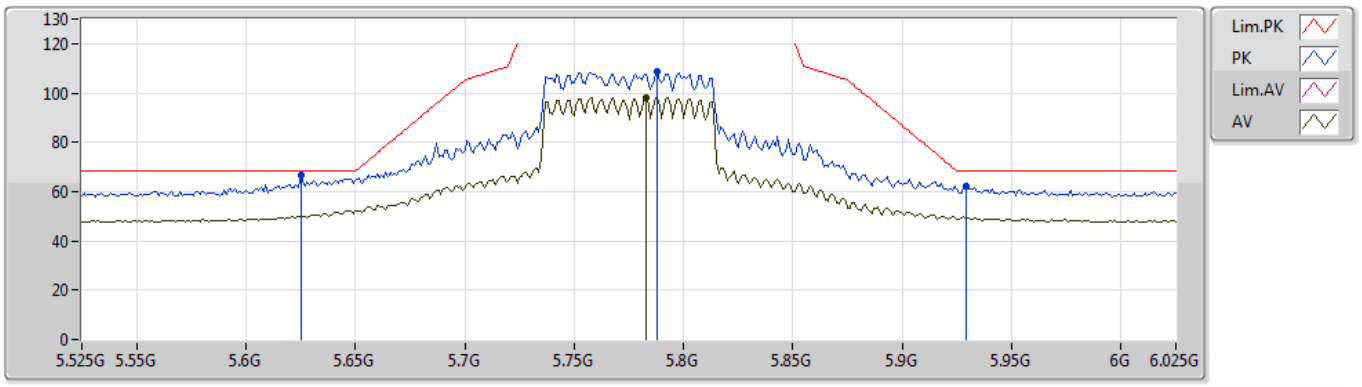
EUT Y_4TX
Setting 70
03-K-3
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.4212G	56.44	68.20	-11.76	12.24	3	Horizontal	104	1.51	-	44.20
PK	15.629G	59.43	74.00	-14.57	14.08	3	Horizontal	304	1.86	-	45.35
AV	15.62578G	46.96	54.00	-7.04	14.08	3	Horizontal	304	1.86	-	32.88

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

11/10/2019



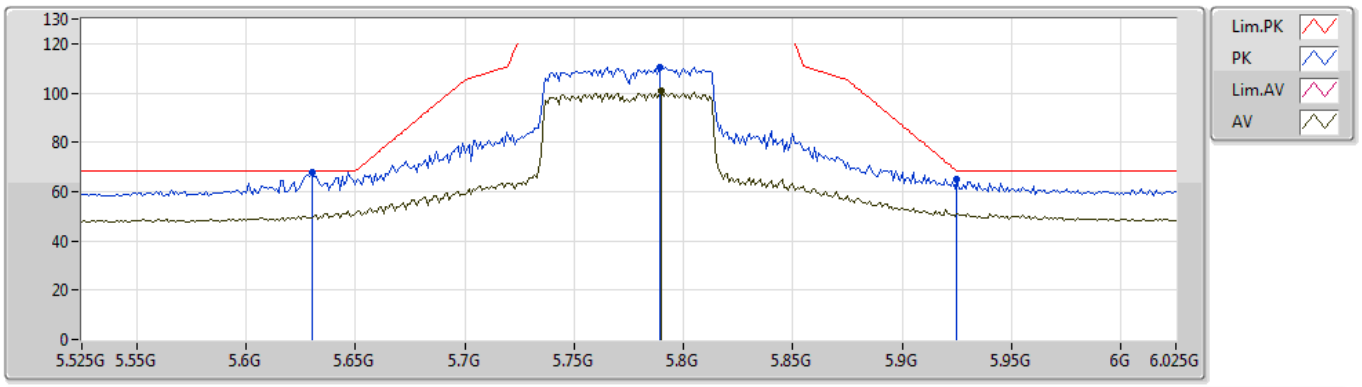
EUT Y_4TX
Setting 77
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.625G	66.47	68.20	-1.73	6.11	3	Vertical	65	1.37	-	60.36
PK	5.788G	108.48	Inf	-Inf	5.80	3	Vertical	65	1.37	-	102.68
AV	5.783G	98.21	Inf	-Inf	5.80	3	Vertical	65	1.37	-	92.41
PK	5.929G	62.02	68.20	-6.18	6.16	3	Vertical	65	1.37	-	55.86

802.11ac VHT80_Nss1,(MCS0)_4TX

11/10/2019

5775MHz_TX



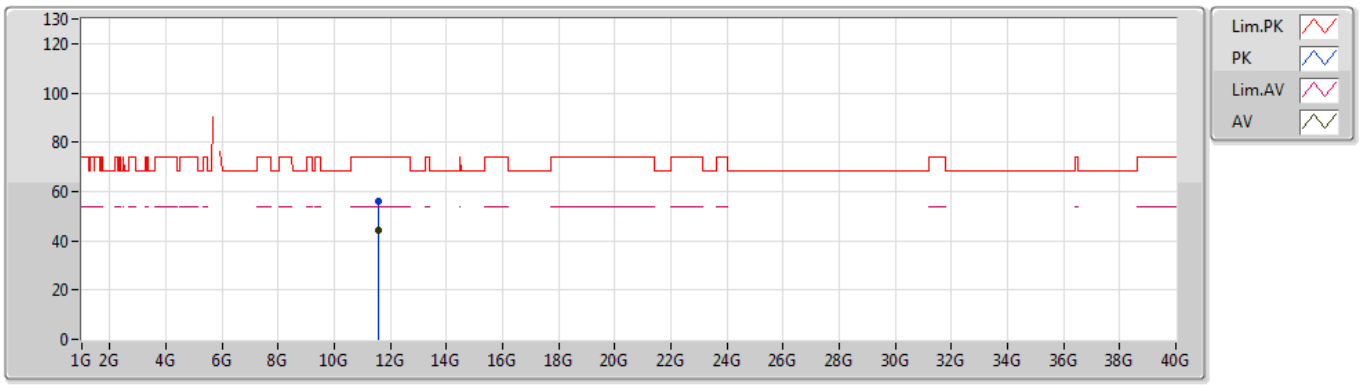
EUT Y_4TX
Setting 77
03-E-2-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.63G	67.80	68.20	-0.40	6.10	3	Horizontal	180	1.02	-	61.70
PK	5.789G	110.54	Inf	-Inf	5.79	3	Horizontal	180	1.02	-	104.75
AV	5.79G	100.60	Inf	-Inf	5.79	3	Horizontal	180	1.02	-	94.81
PK	5.925G	64.91	68.20	-3.29	6.15	3	Horizontal	180	1.02	-	58.76

802.11ac VHT80_Nss1,(MCS0)_4TX

11/10/2019

5775MHz_TX



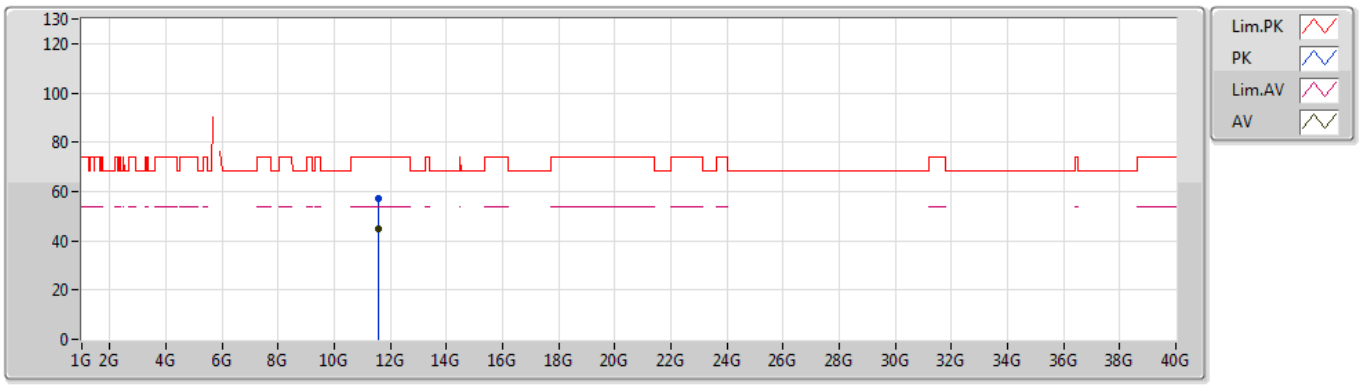
EUT Y_4TX
Setting 77
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5551G	56.24	74.00	-17.76	13.03	3	Vertical	84	1.62	-	43.21
AV	11.5555G	44.16	54.00	-9.84	13.03	3	Vertical	84	1.62	-	31.13

802.11ac VHT80_Nss1,(MCS0)_4TX

5775MHz_TX

11/10/2019



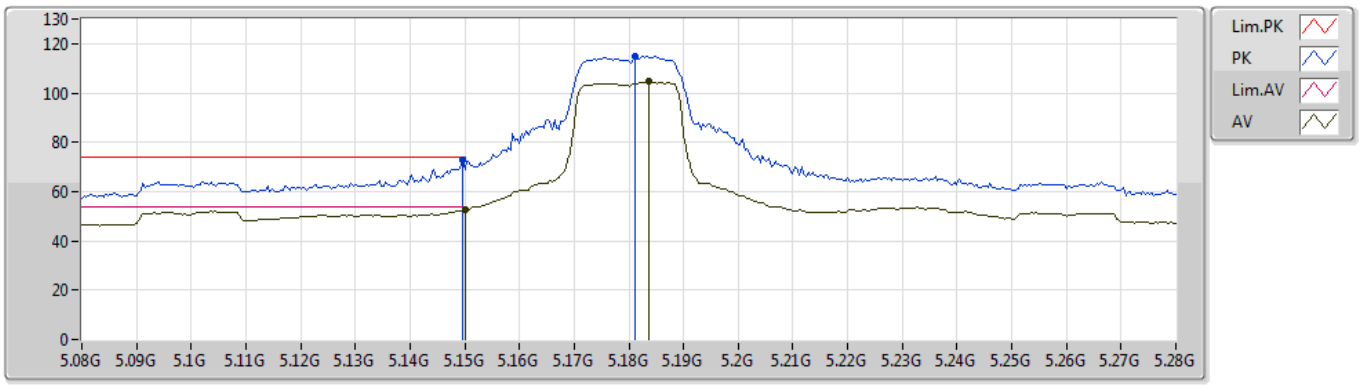
EUT Y_4TX
Setting 77
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5663G	57.04	74.00	-16.96	13.04	3	Horizontal	92	1.36	-	44.00
AV	11.5506G	44.84	54.00	-9.16	13.03	3	Horizontal	92	1.36	-	31.81

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

16/10/2019

5180MHz_TX



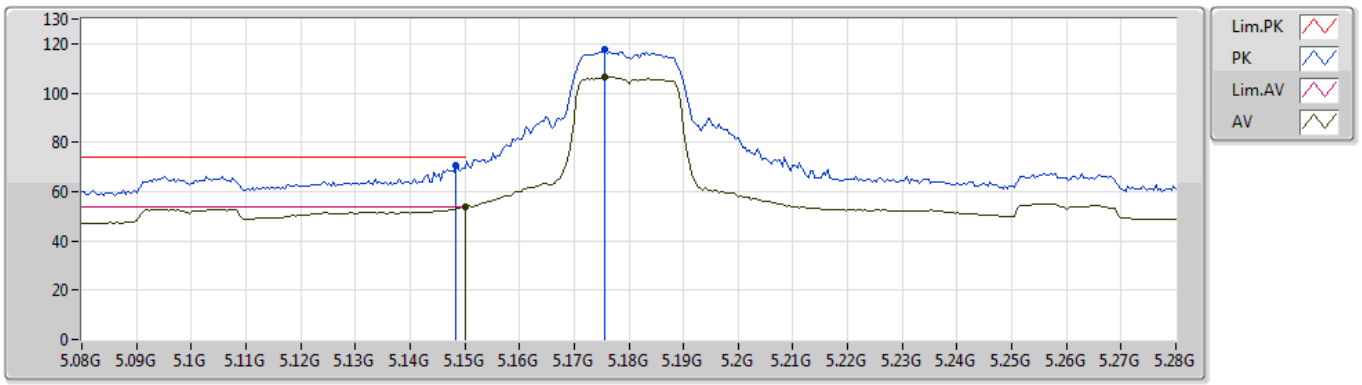
EUT Y_4TX
Setting 77
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1496G	72.89	74.00	-1.11	5.50	3	Vertical	182	1.54	-	67.39
AV	5.15G	52.59	54.00	-1.41	5.50	3	Vertical	182	1.54	-	47.09
PK	5.1812G	114.86	Inf	-Inf	5.58	3	Vertical	182	1.54	-	109.28
AV	5.1836G	104.59	Inf	-Inf	5.59	3	Vertical	182	1.54	-	99.00

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

16/10/2019

5180MHz_TX



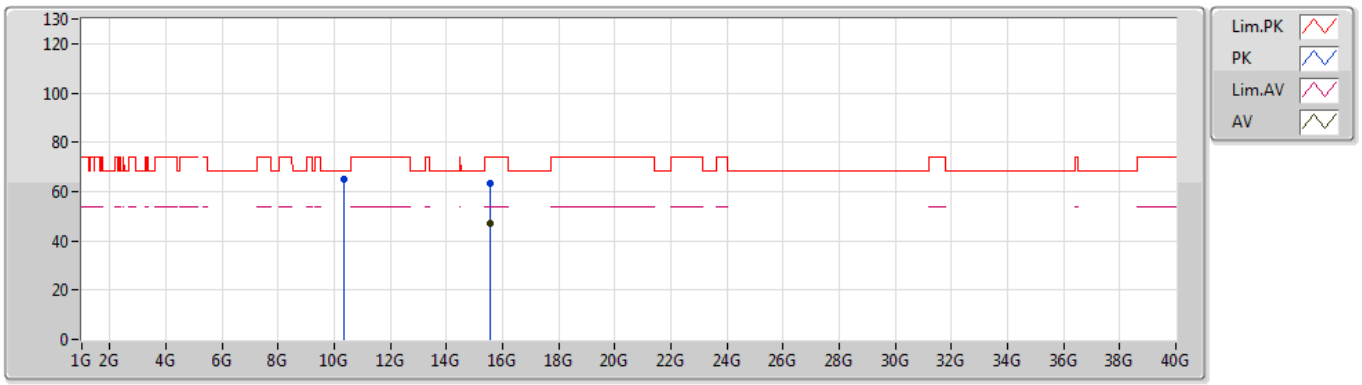
EUT Y_4TX
Setting 77
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1484G	70.49	74.00	-3.51	5.50	3	Horizontal	188	1.50	-	64.99
AV	5.15G	53.99	54.00	-0.01	5.50	3	Horizontal	188	1.50	-	48.49
PK	5.1756G	117.54	Inf	-Inf	5.57	3	Horizontal	188	1.50	-	111.97
AV	5.1756G	106.67	Inf	-Inf	5.57	3	Horizontal	188	1.50	-	101.10

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

11/10/2019

5180MHz_TX



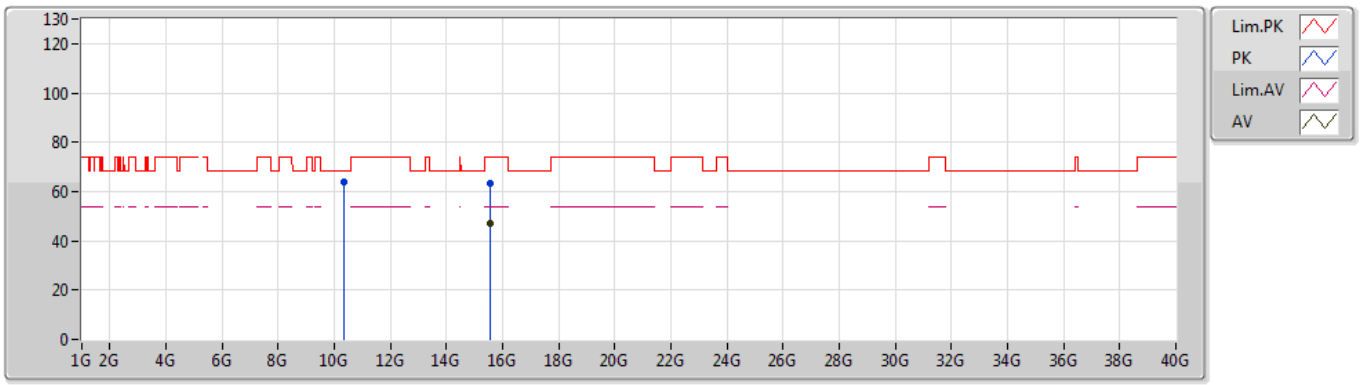
EUT Y_4TX
Setting 77
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.3591G	64.95	68.20	-3.25	12.18	3	Vertical	136	1.47	-	52.77
PK	15.53418G	63.52	74.00	-10.48	14.43	3	Vertical	265	1.47	-	49.09
AV	15.53844G	46.86	54.00	-7.14	14.40	3	Vertical	265	1.47	-	32.46

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

11/10/2019

5180MHz_TX



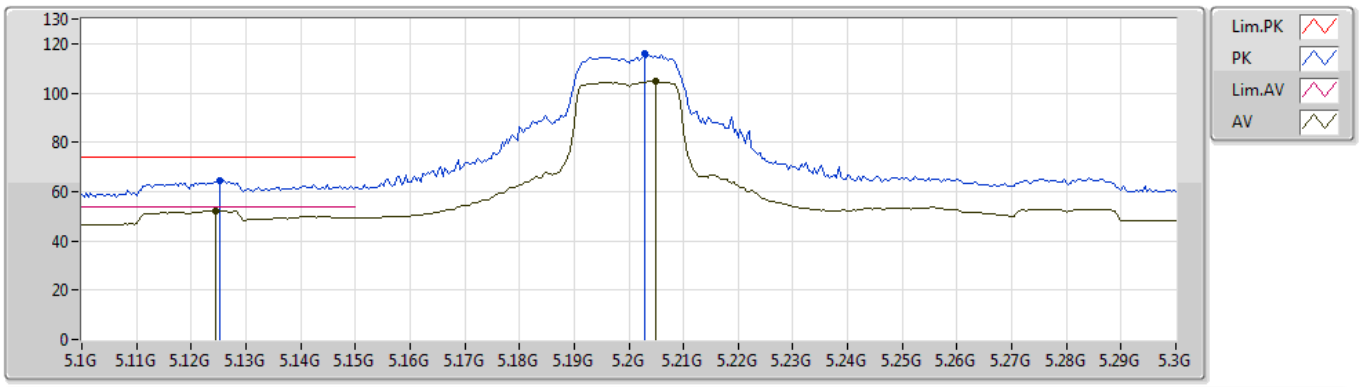
EUT Y_4TX
Setting 77
03-E-2
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.3585G	63.95	68.20	-4.25	12.18	3	Horizontal	264	1.37	-	51.77
PK	15.53472G	63.49	74.00	-10.51	14.43	3	Horizontal	333	2.51	-	49.06
AV	15.53436G	47.17	54.00	-6.83	14.43	3	Horizontal	333	2.51	-	32.74

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

16/10/2019

5200MHz_TX



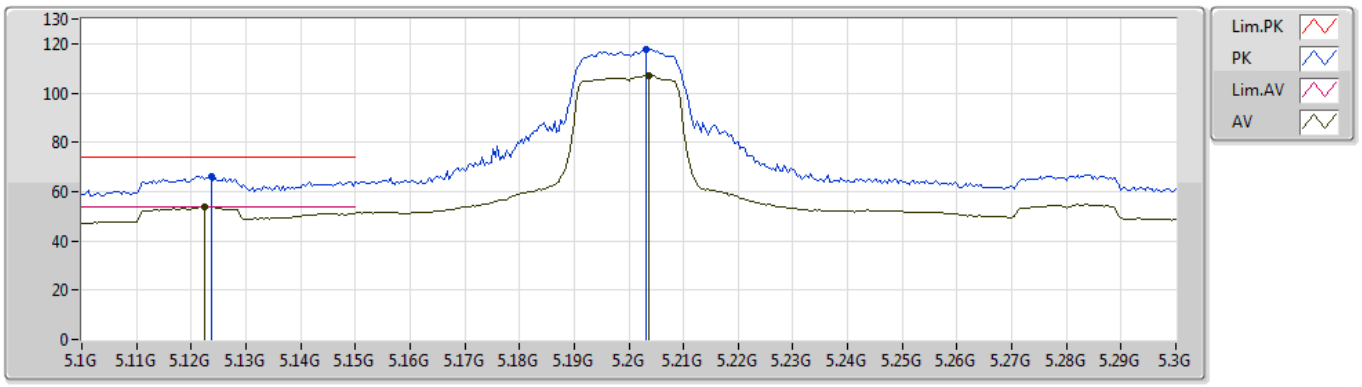
EUT Y_4TX
Setting 76
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1252G	64.64	74.00	-9.36	5.44	3	Vertical	316	1.48	-	59.20
AV	5.1244G	52.20	54.00	-1.80	5.43	3	Vertical	316	1.48	-	46.77
PK	5.2028G	115.78	Inf	-Inf	5.65	3	Vertical	316	1.48	-	110.13
AV	5.2048G	104.75	Inf	-Inf	5.65	3	Vertical	316	1.48	-	99.10

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

16/10/2019



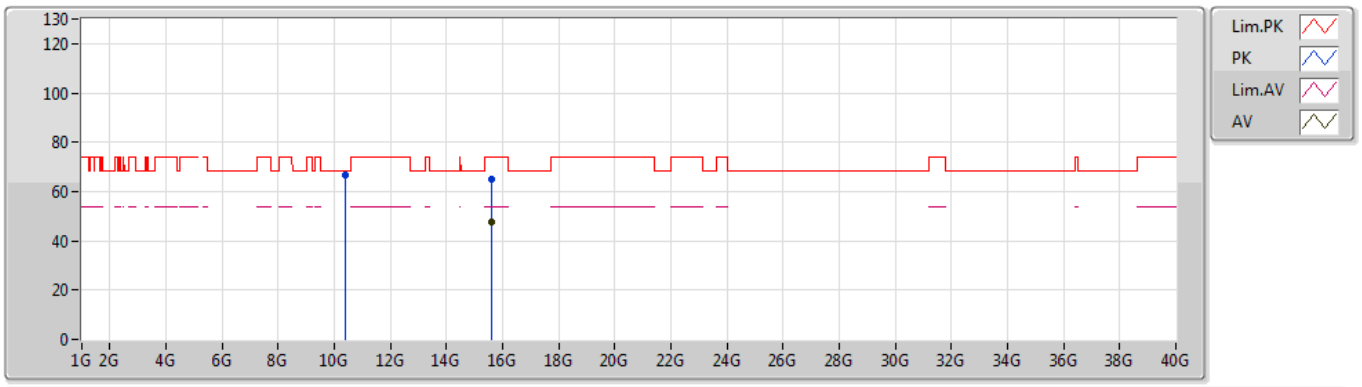
EUT Y_4TX
Setting 76
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1236G	66.28	74.00	-7.72	5.42	3	Horizontal	187	1.59	-	60.86
AV	5.1224G	53.91	54.00	-0.09	5.42	3	Horizontal	187	1.59	-	48.49
PK	5.2032G	117.90	Inf	-Inf	5.65	3	Horizontal	187	1.59	-	112.25
AV	5.2036G	107.12	Inf	-Inf	5.65	3	Horizontal	187	1.59	-	101.47

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

16/10/2019



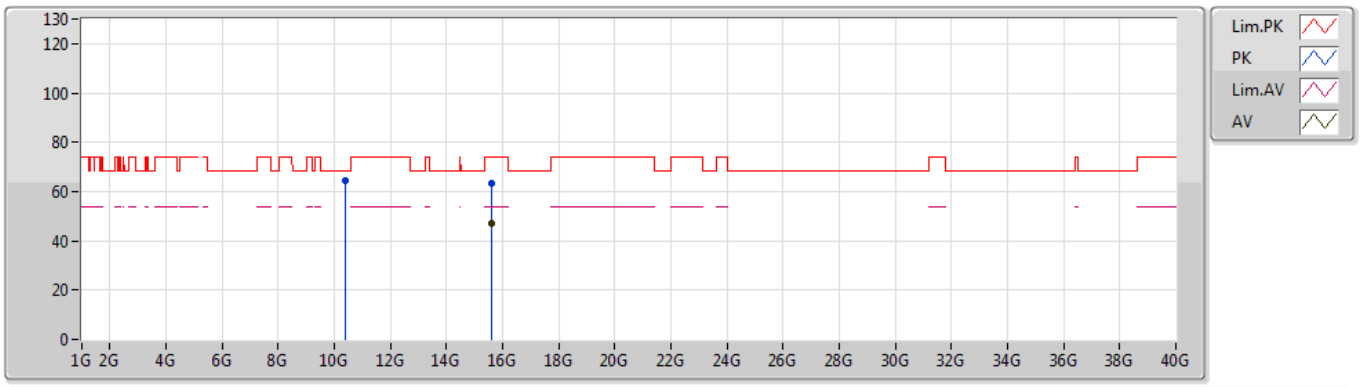
EUT Y_4TX
Setting 76
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.39928G	66.43	68.20	-1.77	12.22	3	Vertical	132	2.90	-	54.21
PK	15.60408G	64.89	74.00	-9.11	14.18	3	Vertical	267	1.44	-	50.71
AV	15.59562G	47.43	54.00	-6.57	14.19	3	Vertical	267	1.44	-	33.24

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

16/10/2019



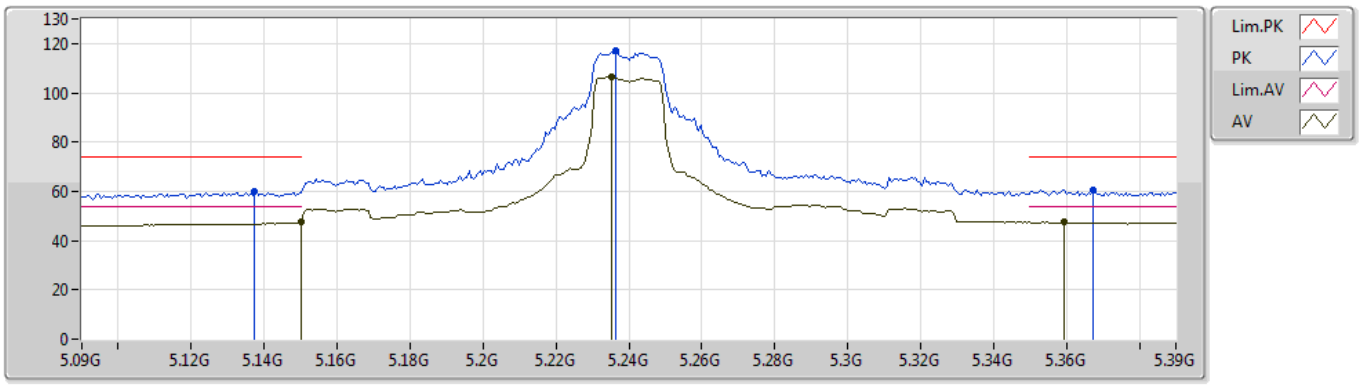
EUT Y_4TX
Setting 76
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.391G	64.45	68.20	-3.75	12.22	3	Horizontal	106	1.50	-	52.23
PK	15.59436G	63.25	74.00	-10.75	14.21	3	Horizontal	351	1.54	-	49.04
AV	15.59358G	46.94	54.00	-7.06	14.21	3	Horizontal	351	1.54	-	32.73

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

16/10/2019



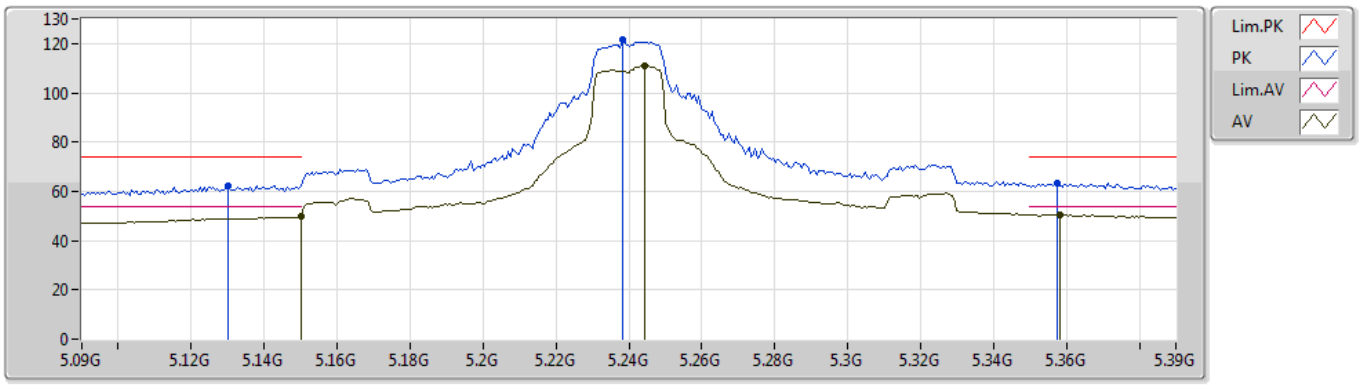
EUT Y_4TX
Setting 94
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1374G	60.01	74.00	-13.99	5.47	3	Vertical	182	1.48	-	54.54
AV	5.15G	47.48	54.00	-6.52	5.50	3	Vertical	182	1.48	-	41.98
PK	5.2364G	117.02	Inf	-Inf	5.69	3	Vertical	182	1.48	-	111.33
AV	5.2352G	106.51	Inf	-Inf	5.69	3	Vertical	182	1.48	-	100.82
PK	5.3672G	60.78	74.00	-13.22	5.82	3	Vertical	182	1.48	-	54.96
AV	5.3594G	47.46	54.00	-6.54	5.82	3	Vertical	182	1.48	-	41.64

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

16/10/2019



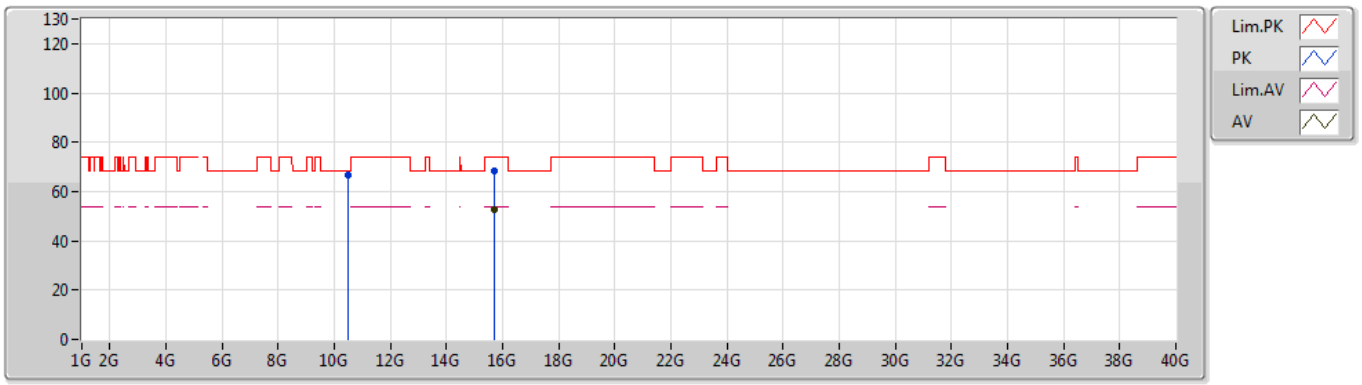
EUT Y_4TX
Setting 94
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1302G	62.34	74.00	-11.66	5.45	3	Horizontal	183	1.50	-	56.89
AV	5.15G	50.15	54.00	-3.85	5.50	3	Horizontal	183	1.50	-	44.65
PK	5.2382G	121.82	Inf	-Inf	5.70	3	Horizontal	183	1.50	-	116.12
AV	5.2442G	111.02	Inf	-Inf	5.71	3	Horizontal	183	1.50	-	105.31
PK	5.3576G	63.44	74.00	-10.56	5.82	3	Horizontal	183	1.50	-	57.62
AV	5.3582G	50.59	54.00	-3.41	5.82	3	Horizontal	183	1.50	-	44.77

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

16/10/2019



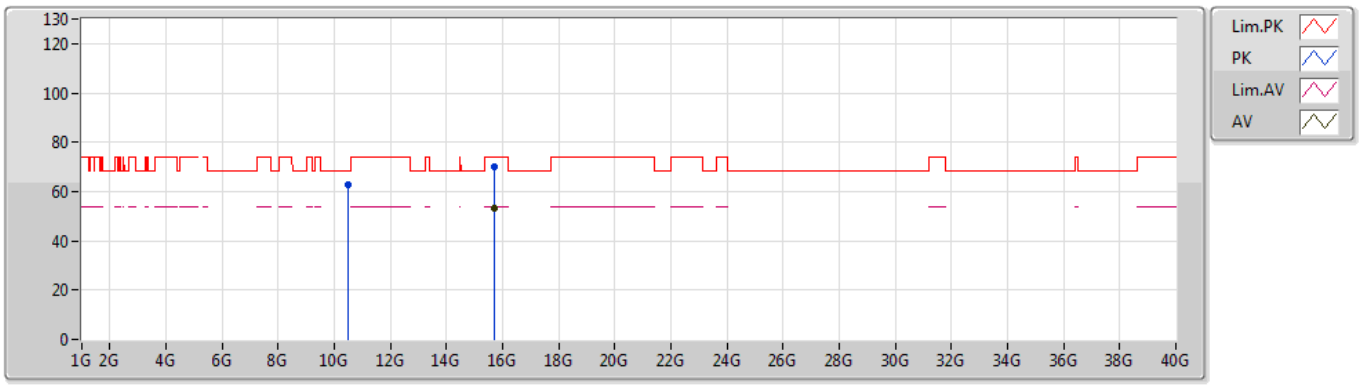
EUT Y_4TX
Setting 94
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.48204G	66.53	68.20	-1.67	12.30	3	Vertical	129	2.09	-	54.23
PK	15.71256G	68.29	74.00	-5.71	13.78	3	Vertical	265	1.50	-	54.51
AV	15.71682G	52.57	54.00	-1.43	13.76	3	Vertical	265	1.50	-	38.81

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

16/10/2019



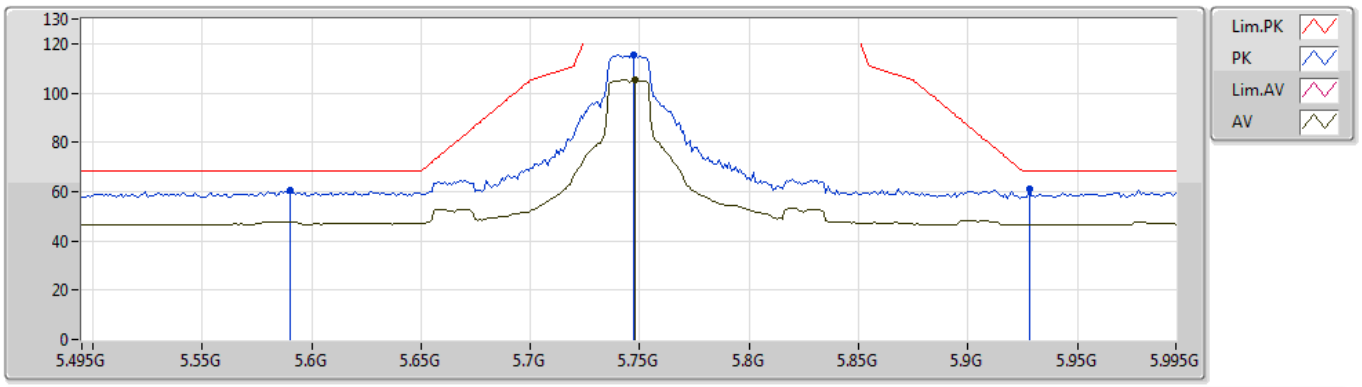
EUT Y_4TX
Setting 94
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.48186G	62.52	68.20	-5.68	12.30	3	Horizontal	262	2.00	-	50.22
PK	15.71328G	70.30	74.00	-3.70	13.78	3	Horizontal	348	1.50	-	56.52
AV	15.71394G	53.51	54.00	-0.49	13.78	3	Horizontal	348	1.50	-	39.73

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



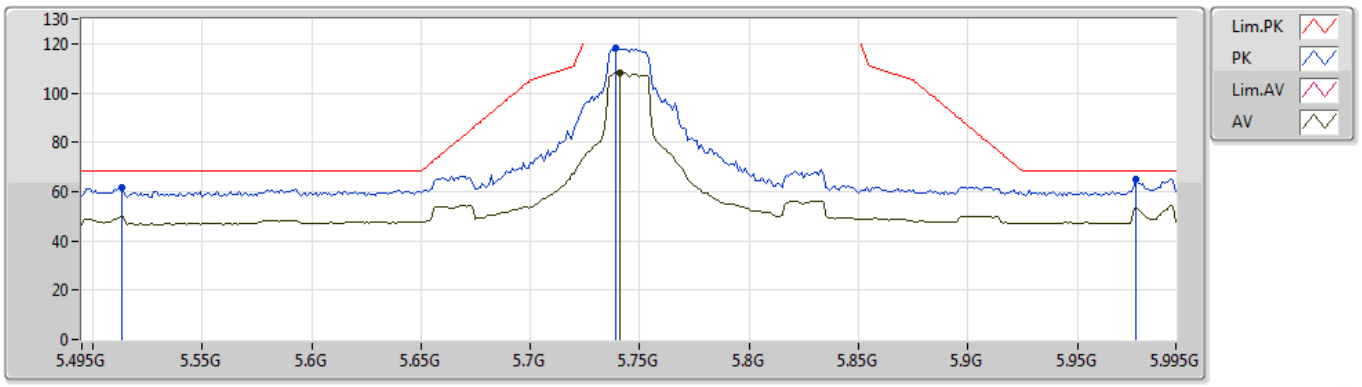
EUT Y_4TX
Setting 87
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.59G	60.35	68.20	-7.85	6.16	3	Vertical	68	1.35	-	54.19
PK	5.747G	115.35	Inf	-Inf	5.86	3	Vertical	68	1.35	-	109.49
AV	5.748G	105.17	Inf	-Inf	5.86	3	Vertical	68	1.35	-	99.31
PK	5.928G	61.07	68.20	-7.13	6.15	3	Vertical	68	1.35	-	54.92

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



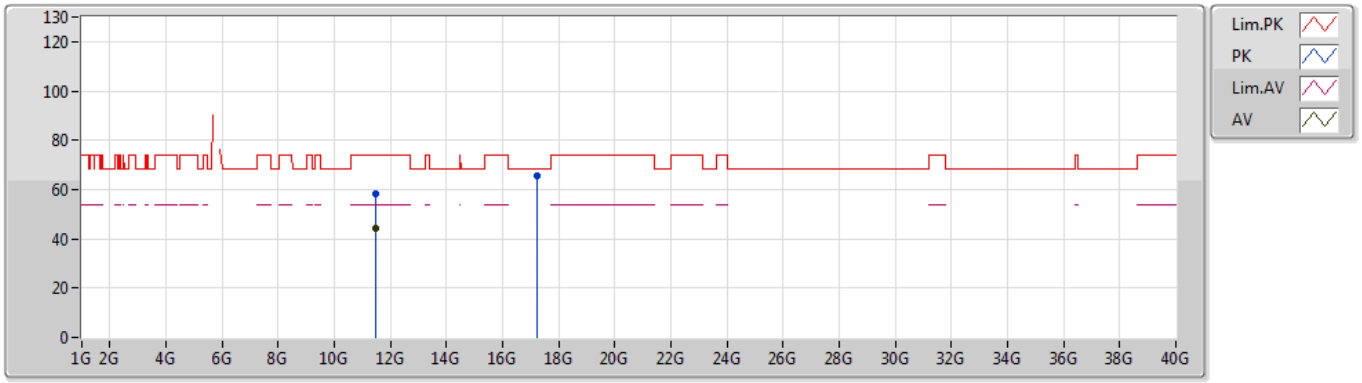
EUT Y_4TX
Setting 87
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.513G	61.51	68.20	-6.69	6.13	3	Horizontal	184	1.49	-	55.38
PK	5.739G	118.16	Inf	-Inf	5.87	3	Horizontal	184	1.49	-	112.29
AV	5.741G	108.16	Inf	-Inf	5.87	3	Horizontal	184	1.49	-	102.29
PK	5.977G	65.10	68.20	-3.10	6.33	3	Horizontal	184	1.49	-	58.77

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



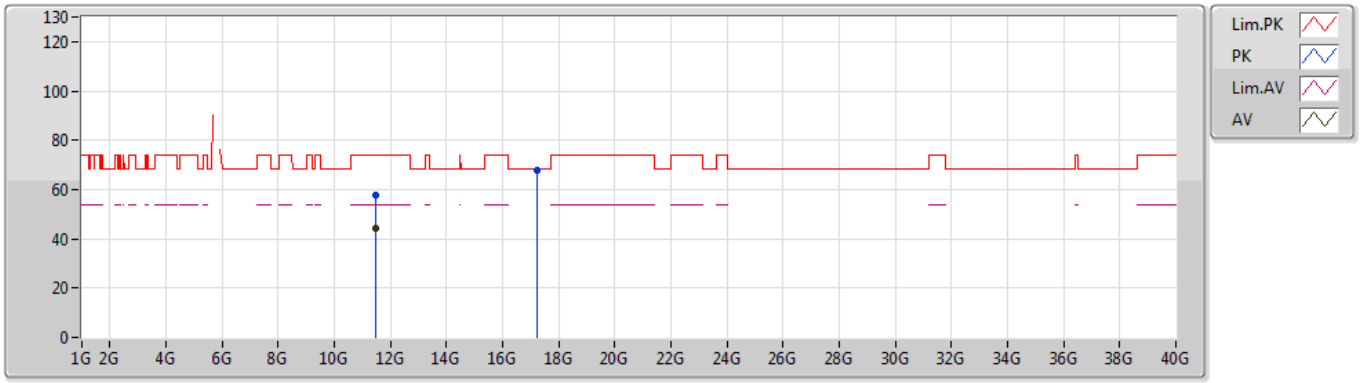
EUT Y_4TX
Setting 87
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.49032G	58.17	74.00	-15.83	13.00	3	Vertical	239	1.72	-	45.17
AV	11.48952G	44.08	54.00	-9.92	13.00	3	Vertical	239	1.72	-	31.08
PK	17.24172G	65.64	68.20	-2.56	17.36	3	Vertical	281	2.49	-	48.28

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

16/10/2019



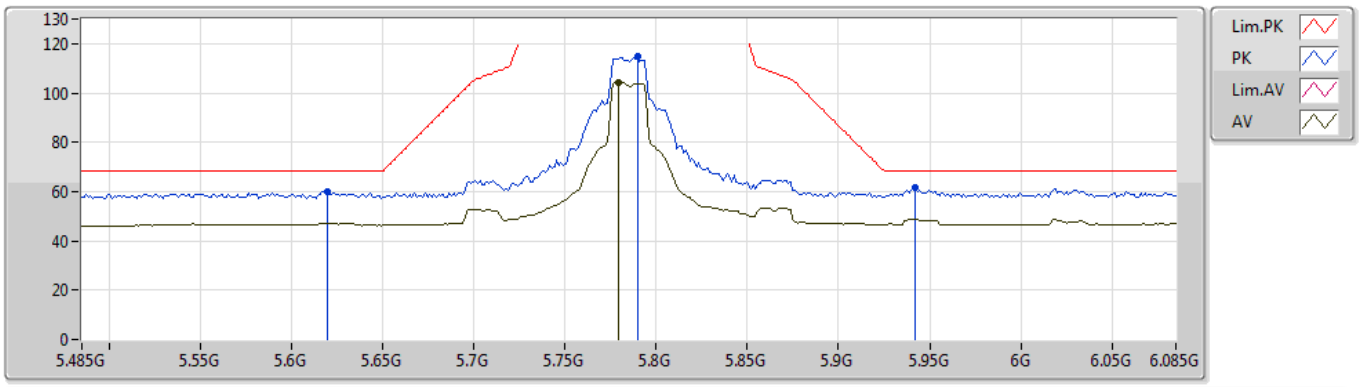
EUT Y_4TX
Setting 87
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.48952G	57.98	74.00	-16.02	13.00	3	Horizontal	100	1.50	-	44.98
AV	11.48952G	44.39	54.00	-9.61	13.00	3	Horizontal	100	1.50	-	31.39
PK	17.24156G	67.91	68.20	-0.29	17.36	3	Horizontal	41	2.37	-	50.55

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

17/10/2019



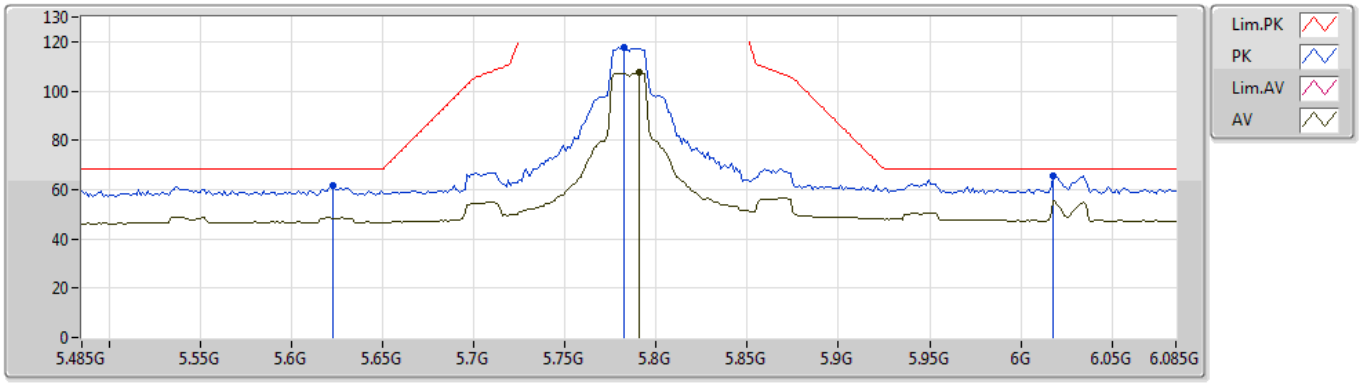
EUT Y_4TX
Setting 89
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.6194G	59.85	68.20	-8.35	6.12	3	Vertical	68	1.15	-	53.73
PK	5.7898G	115.06	Inf	-Inf	5.79	3	Vertical	68	1.15	-	109.27
AV	5.779G	104.46	Inf	-Inf	5.81	3	Vertical	66	1.15	-	98.65
PK	5.9422G	61.43	68.20	-6.77	6.21	3	Vertical	68	1.15	-	55.22

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

17/10/2019



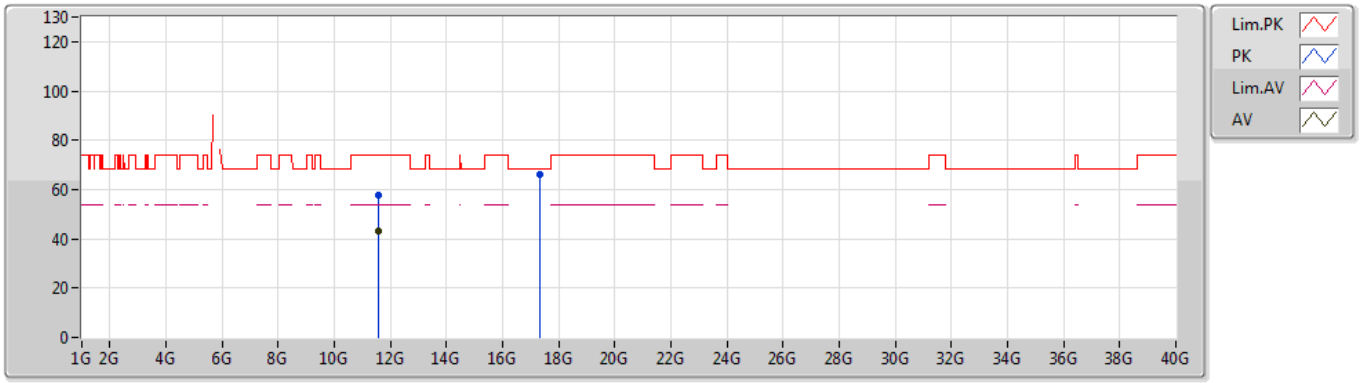
EUT Y_4TX
Setting 89
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.623G	61.40	68.20	-6.80	6.12	3	Horizontal	180	1.58	-	55.28
PK	5.7826G	117.58	Inf	-Inf	5.80	3	Horizontal	180	1.58	-	111.78
AV	5.791G	107.49	Inf	-Inf	5.79	3	Horizontal	180	1.58	-	101.70
PK	6.0178G	65.53	68.20	-2.67	6.45	3	Horizontal	180	1.58	-	59.08

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

17/10/2019



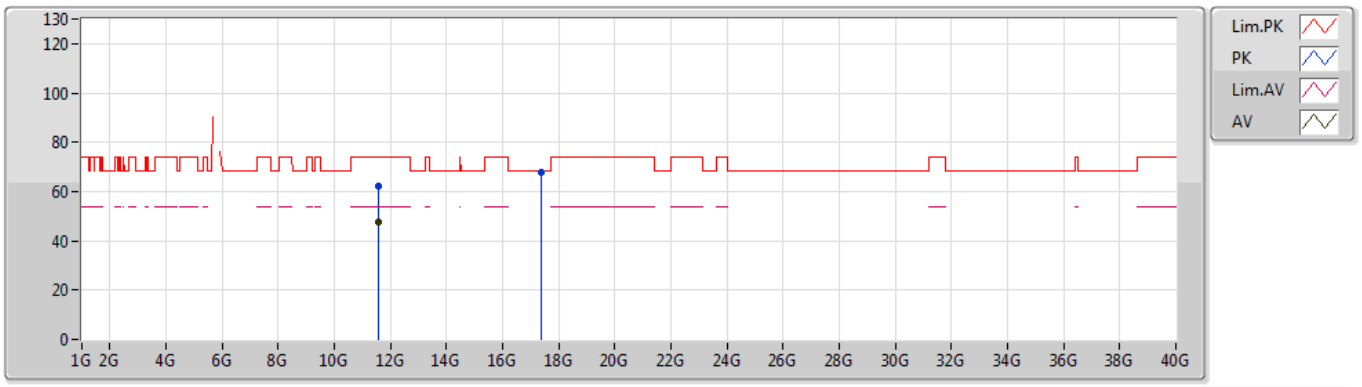
EUT Y_4TX
Setting 89
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.57084G	57.59	74.00	-16.41	13.04	3	Vertical	84	1.63	-	44.55
AV	11.57072G	43.19	54.00	-10.81	13.04	3	Vertical	84	1.63	-	30.15
PK	17.34456G	66.12	68.20	-2.08	17.90	3	Vertical	293	2.48	-	48.22

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

17/10/2019



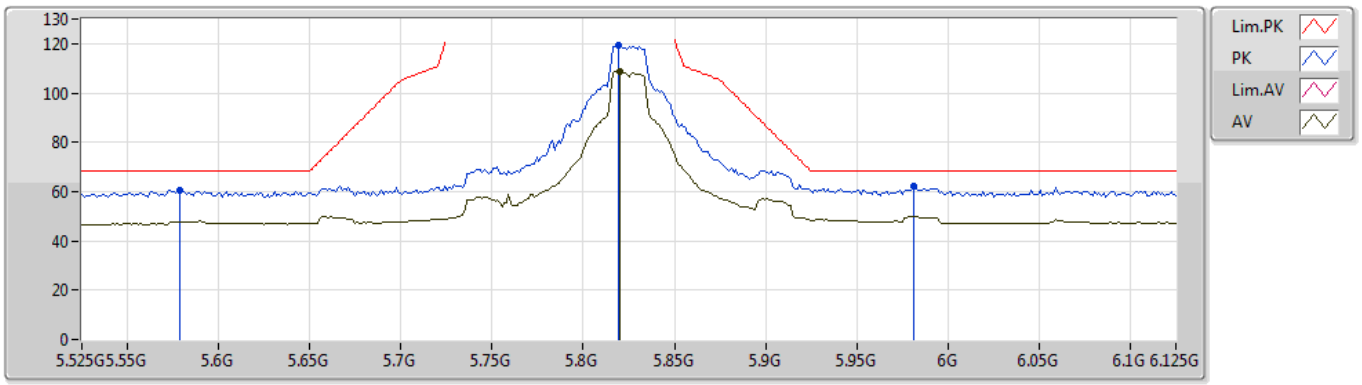
EUT Y_4TX
Setting 89
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5688G	62.36	74.00	-11.64	13.04	3	Horizontal	96	1.30	-	49.32
AV	11.56964G	47.67	54.00	-6.33	13.04	3	Horizontal	96	1.30	-	34.63
PK	17.35944G	67.91	68.20	-0.29	17.97	3	Horizontal	41	2.35	-	49.94

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

16/10/2019

5825MHz_TX



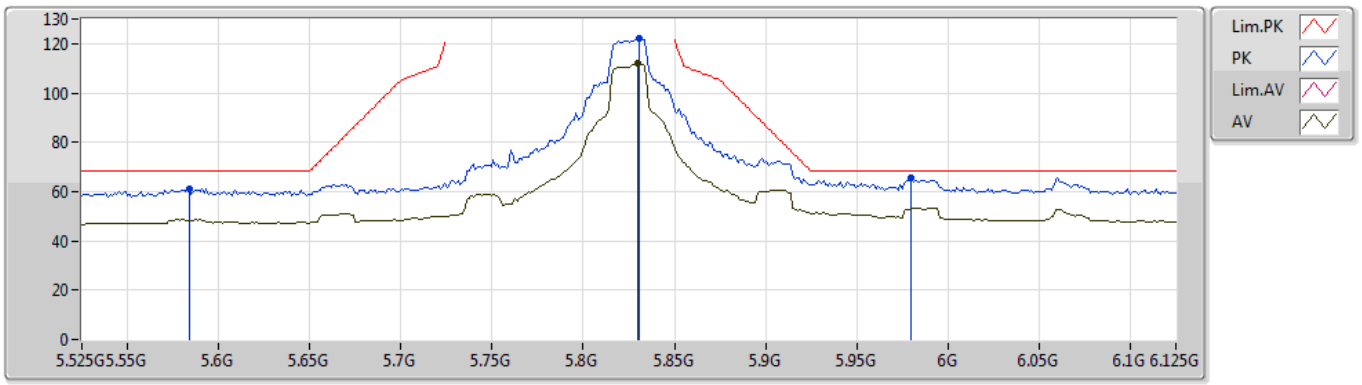
EUT Y_4TX
Setting 99
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.579G	60.61	68.20	-7.59	6.16	3	Vertical	68	1.33	-	54.45
PK	5.819G	119.13	Inf	-Inf	5.84	3	Vertical	68	1.33	-	113.29
AV	5.8202G	108.90	Inf	-Inf	5.84	3	Vertical	68	1.33	-	103.06
PK	5.981G	62.27	68.20	-5.93	6.34	3	Vertical	68	1.33	-	55.93

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

16/10/2019

5825MHz_TX



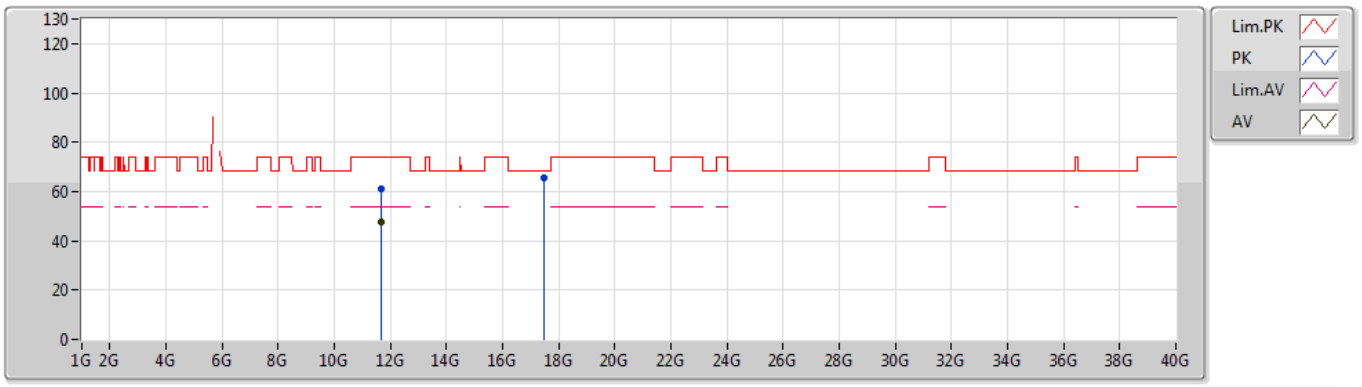
EUT Y_4TX
Setting 99
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.5838G	61.21	68.20	-6.99	6.16	3	Horizontal	177	1.50	-	55.05
PK	5.831G	122.12	Inf	-Inf	5.86	3	Horizontal	177	1.50	-	116.26
AV	5.8298G	112.06	Inf	-Inf	5.86	3	Horizontal	177	1.50	-	106.20
PK	5.9798G	65.53	68.20	-2.67	6.34	3	Horizontal	177	1.50	-	59.19

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

16/10/2019



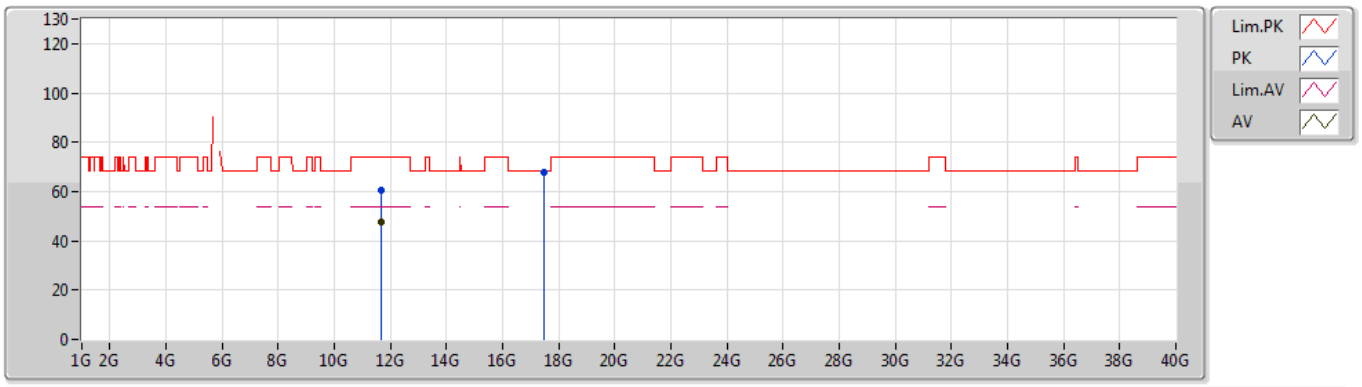
EUT Y_4TX
Setting 99
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.65396G	60.95	74.00	-13.05	13.09	3	Vertical	236	1.93	-	47.86
AV	11.65024G	47.68	54.00	-6.32	13.09	3	Vertical	236	1.93	-	34.59
PK	17.4822G	65.39	68.20	-2.81	18.60	3	Vertical	254	2.67	-	46.79

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

18/10/2019



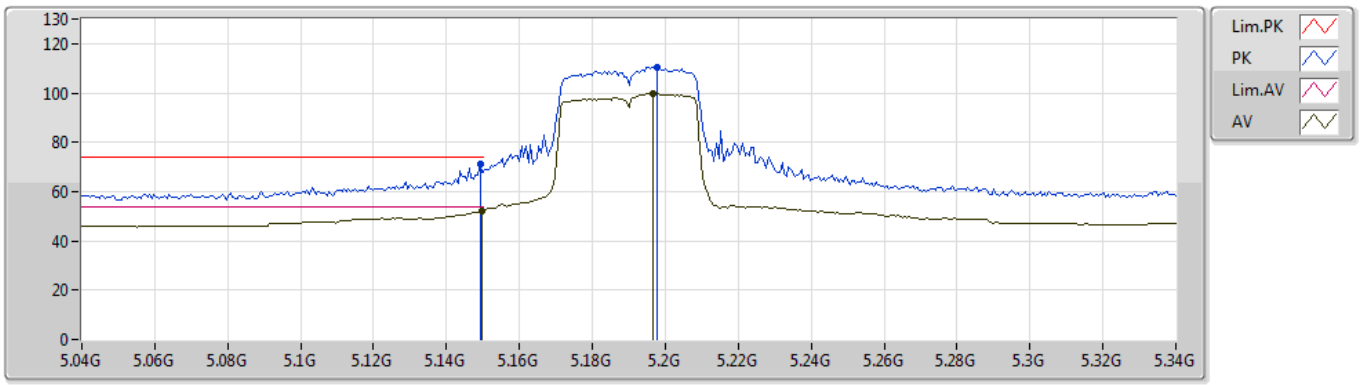
EUT Y_4TX
Setting 99
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
AV	11.65G	47.51	54.00	-6.49	13.09	3	Horizontal	96	1.48	-	34.42
PK	11.65064G	60.61	74.00	-13.39	13.09	3	Horizontal	96	1.48	-	47.52
PK	17.48588G	67.96	68.20	-0.24	18.62	3	Horizontal	115	1.47	-	49.34

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

16/10/2019



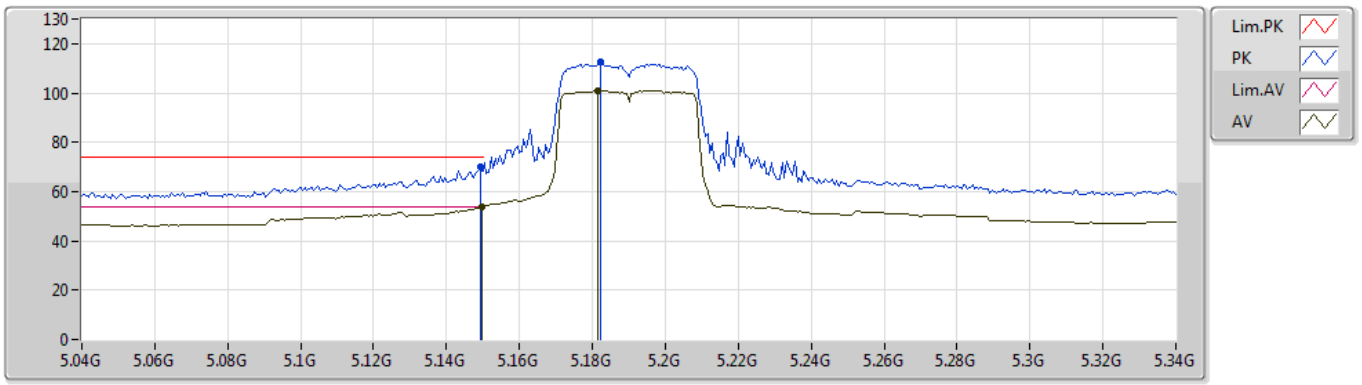
EUT Y_4TX
Setting 66
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1492G	71.13	74.00	-2.87	5.50	3	Vertical	184	1.49	-	65.63
AV	5.1498G	52.39	54.00	-1.61	5.50	3	Vertical	184	1.49	-	46.89
PK	5.1978G	110.65	Inf	-Inf	5.64	3	Vertical	184	1.49	-	105.01
AV	5.1966G	99.90	Inf	-Inf	5.63	3	Vertical	184	1.49	-	94.27

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

16/10/2019

5190MHz_TX



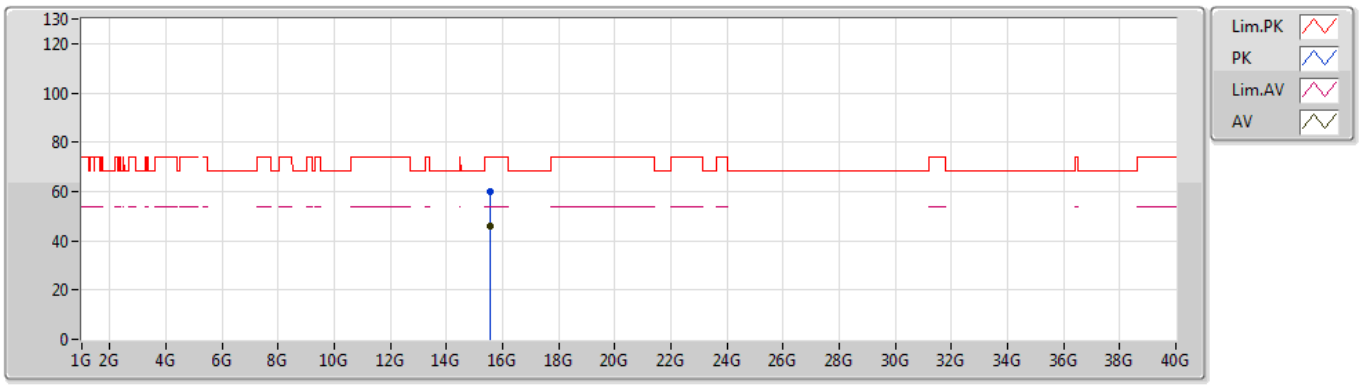
EUT Y_4TX
Setting 66
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1492G	69.81	74.00	-4.19	5.50	3	Horizontal	191	1.53	-	64.31
AV	5.1498G	53.91	54.00	-0.09	5.50	3	Horizontal	191	1.53	-	48.41
PK	5.1822G	112.70	Inf	-Inf	5.59	3	Horizontal	191	1.53	-	107.11
AV	5.1816G	101.12	Inf	-Inf	5.59	3	Horizontal	191	1.53	-	95.53

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

16/10/2019



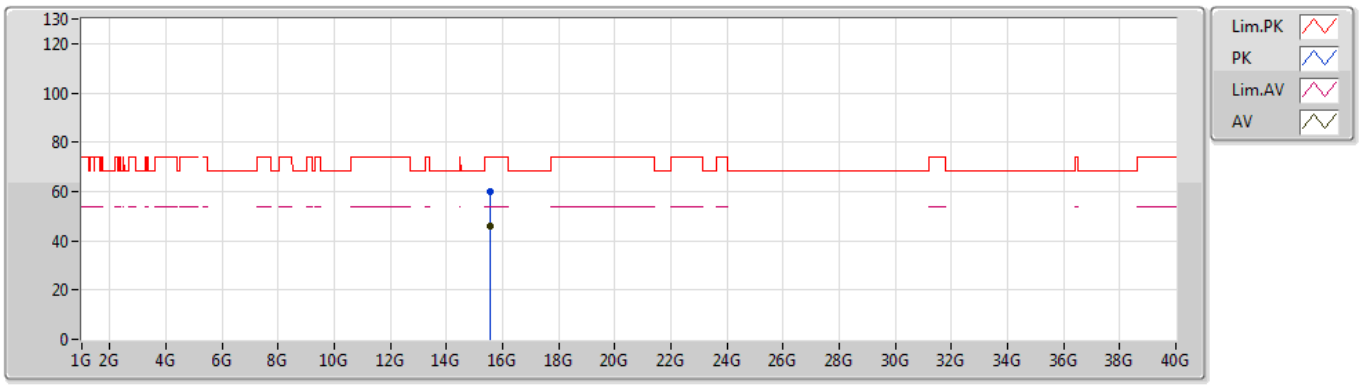
EUT Y_4TX
Setting 66
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.57408G	59.72	74.00	-14.28	14.28	3	Vertical	219	2.09	-	45.44
AV	15.5658G	46.16	54.00	-7.84	14.30	3	Vertical	219	2.09	-	31.86

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

16/10/2019



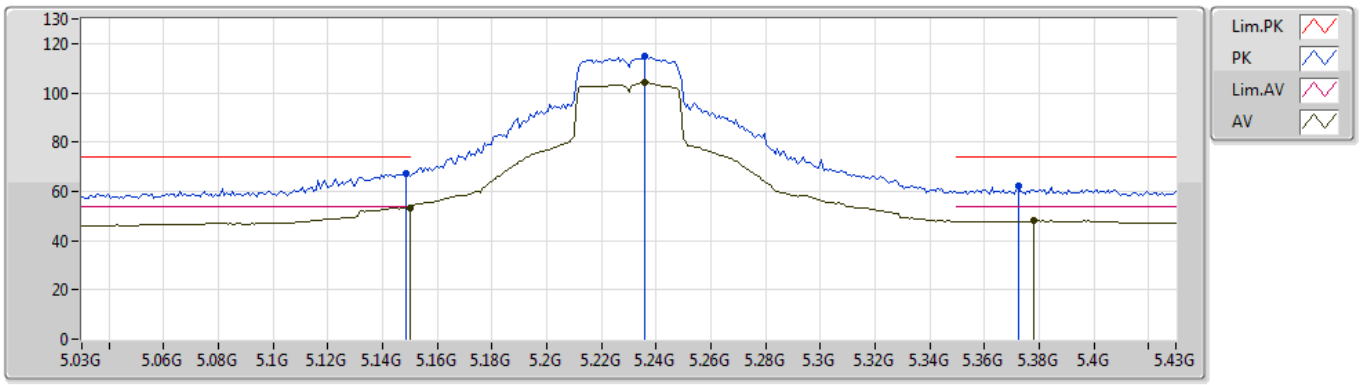
EUT Y_4TX
Setting 66
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.57084G	60.04	74.00	-13.96	14.29	3	Horizontal	6	2.56	-	45.75
AV	15.57468G	46.19	54.00	-7.81	14.28	3	Horizontal	6	2.56	-	31.91

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

16/10/2019

5230MHz_TX



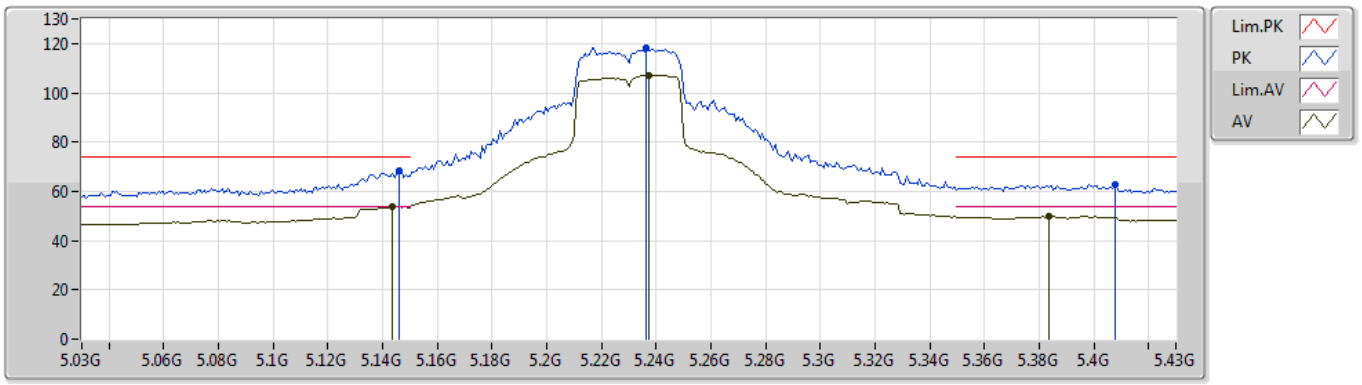
EUT Y_4TX
Setting 91
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.1484G	67.39	74.00	-6.61	5.50	3	Vertical	337	1.40	-	61.89
AV	5.15G	53.41	54.00	-0.59	5.50	3	Vertical	337	1.40	-	47.91
PK	5.2356G	114.67	Inf	-Inf	5.69	3	Vertical	337	1.40	-	108.98
AV	5.2356G	104.17	Inf	-Inf	5.69	3	Vertical	337	1.40	-	98.48
PK	5.3724G	62.23	74.00	-11.77	5.82	3	Vertical	337	1.40	-	56.41
AV	5.378G	48.04	54.00	-5.96	5.83	3	Vertical	337	1.40	-	42.21

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

16/10/2019



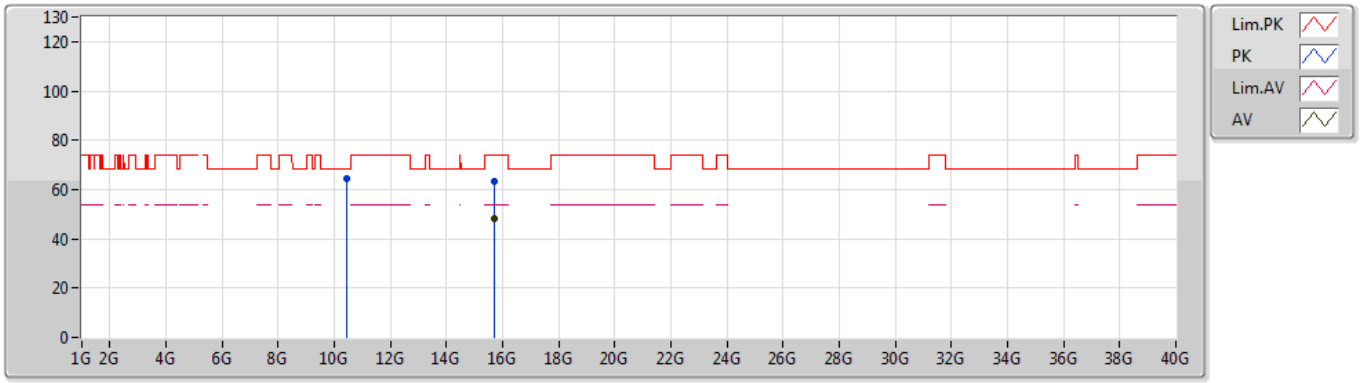
EUT Y_4TX
Setting 91
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.146G	68.56	74.00	-5.44	5.50	3	Horizontal	190	1.47	-	63.06
AV	5.1436G	53.75	54.00	-0.25	5.48	3	Horizontal	190	1.47	-	48.27
PK	5.2364G	118.21	Inf	-Inf	5.69	3	Horizontal	190	1.47	-	112.52
AV	5.2372G	107.28	Inf	-Inf	5.69	3	Horizontal	190	1.47	-	101.59
PK	5.4076G	62.72	74.00	-11.28	5.86	3	Horizontal	190	1.47	-	56.86
AV	5.3836G	49.72	54.00	-4.28	5.83	3	Horizontal	190	1.47	-	43.89

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

16/10/2019



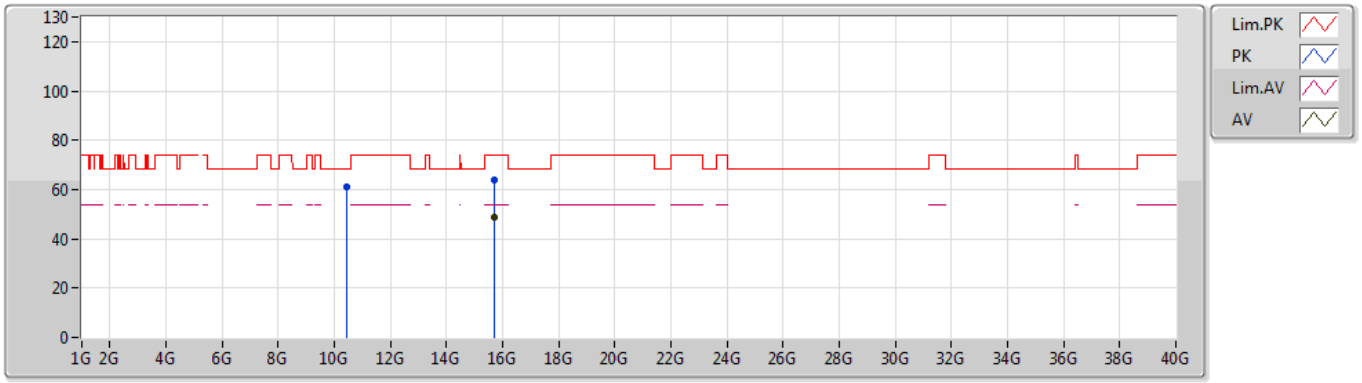
EUT Y_4TX
Setting 91
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.4348G	64.66	68.20	-3.54	12.26	3	Vertical	133	2.86	-	52.40
PK	15.68064G	63.49	74.00	-10.51	13.90	3	Vertical	267	1.42	-	49.59
AV	15.6864G	48.15	54.00	-5.85	13.87	3	Vertical	267	1.42	-	34.28

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

16/10/2019



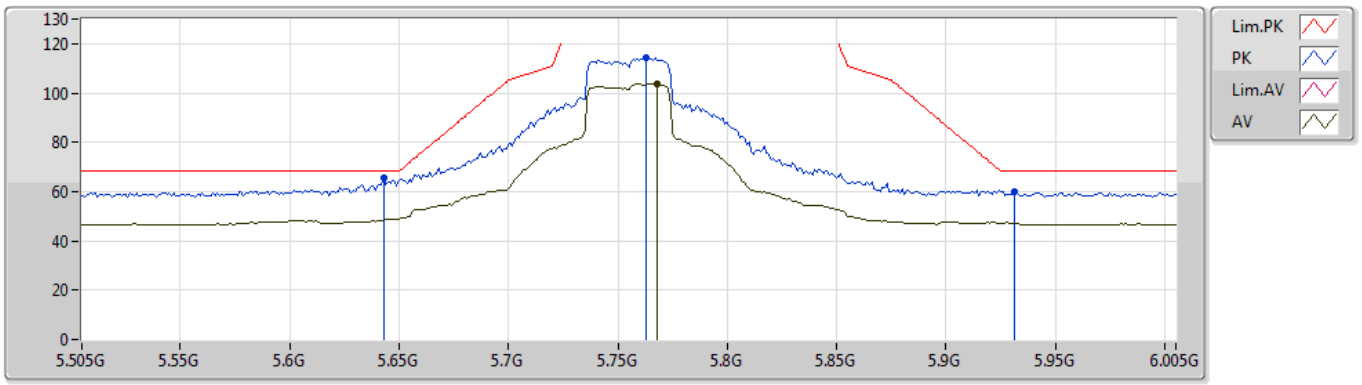
EUT Y_4TX
Setting 91
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	10.45772G	61.00	68.20	-7.20	12.27	3	Horizontal	262	1.50	-	48.73
PK	15.69588G	63.80	74.00	-10.20	13.83	3	Horizontal	354	1.54	-	49.97
AV	15.70044G	48.57	54.00	-5.43	13.82	3	Horizontal	354	1.54	-	34.75

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



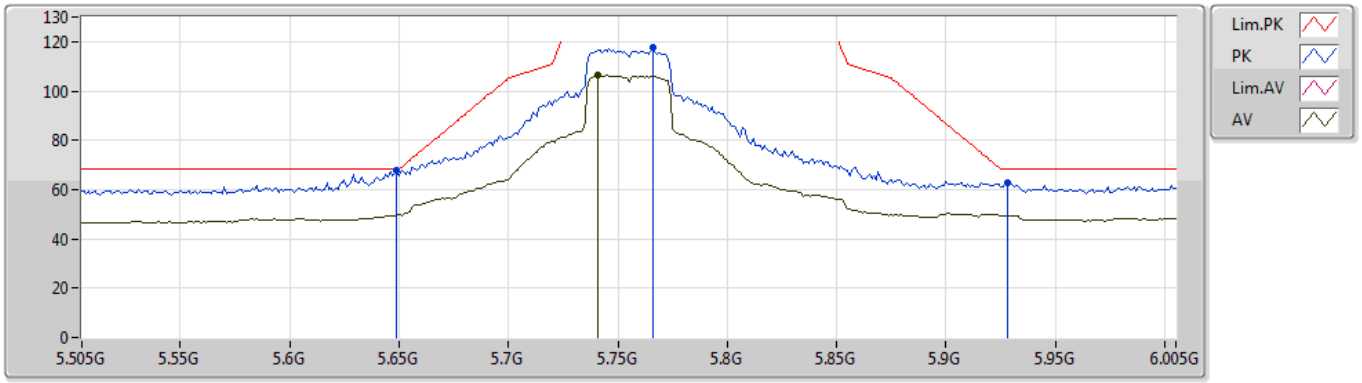
EUT Y_4TX
Setting 90
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.643G	65.48	68.20	-2.72	6.07	3	Vertical	66	1.32	-	59.41
PK	5.763G	114.42	Inf	-Inf	5.84	3	Vertical	66	1.32	-	108.58
AV	5.768G	103.72	Inf	-Inf	5.83	3	Vertical	66	1.32	-	97.89
PK	5.931G	59.94	68.20	-8.26	6.16	3	Vertical	66	1.32	-	53.78

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



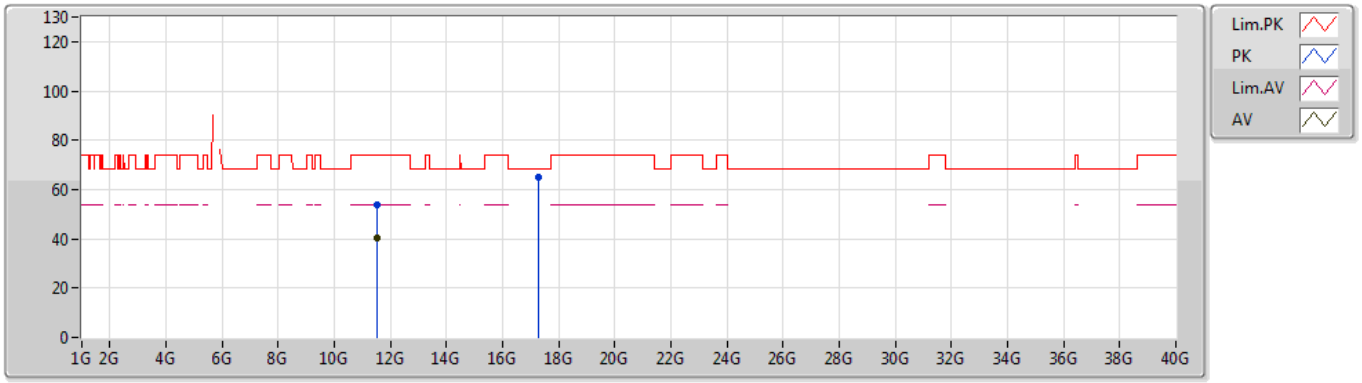
EUT Y_4TX
Setting 90
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.649G	67.98	68.20	-0.22	6.06	3	Horizontal	183	1.48	-	61.92
PK	5.766G	117.66	Inf	-Inf	5.83	3	Horizontal	183	1.48	-	111.83
AV	5.741G	106.32	Inf	-Inf	5.87	3	Horizontal	183	1.48	-	100.45
PK	5.928G	62.59	68.20	-5.61	6.15	3	Horizontal	183	1.48	-	56.44

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



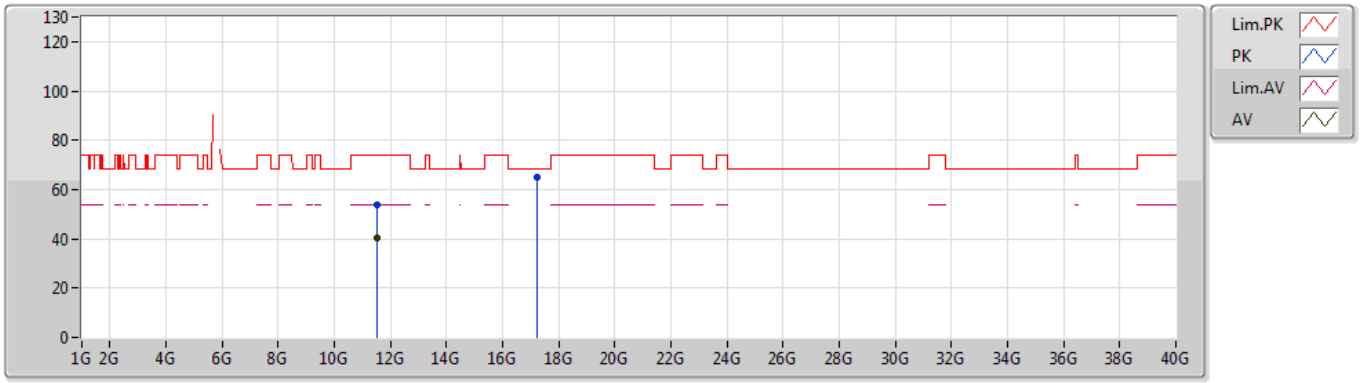
EUT Y_4TX
Setting 90
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.50612G	53.86	74.00	-20.14	13.00	3	Vertical	261	2.36	-	40.86
AV	11.50056G	40.11	54.00	-13.89	13.00	3	Vertical	261	2.36	-	27.11
PK	17.25636G	64.78	68.20	-3.42	17.44	3	Vertical	219	2.89	-	47.34

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

17/10/2019



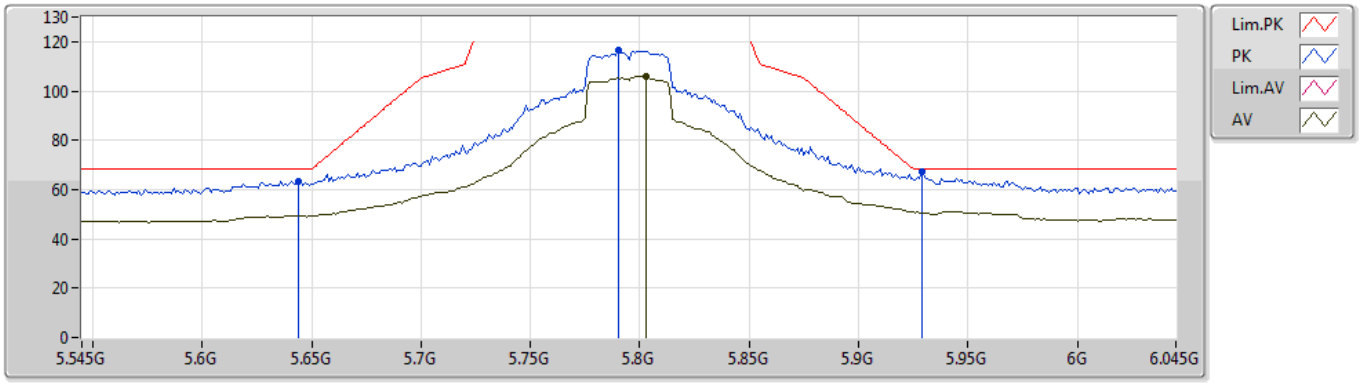
EUT Y_4TX
Setting 90
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.51868G	54.07	74.00	-19.93	13.01	3	Horizontal	0	1.64	-	41.06
AV	11.51536G	40.20	54.00	-13.80	13.01	3	Horizontal	0	1.64	-	27.19
PK	17.25348G	64.99	68.20	-3.21	17.42	3	Horizontal	116	1.50	-	47.57

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

12/10/2019



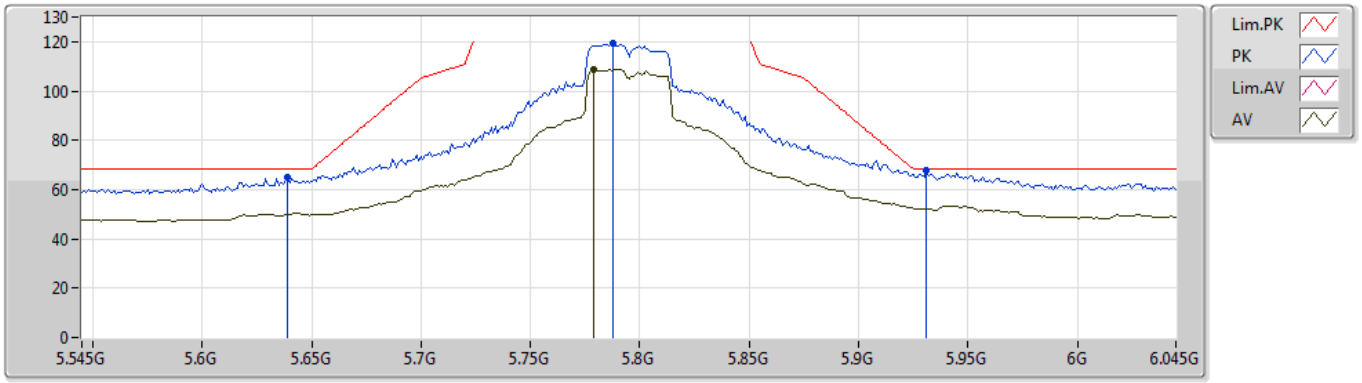
EUT Y_4TX
Setting 97
03-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.644G	63.48	68.20	-4.72	6.07	3	Vertical	69	1.21	-	57.41
PK	5.79G	116.49	Inf	-Inf	5.79	3	Vertical	69	1.21	-	110.70
AV	5.803G	105.96	Inf	-Inf	5.79	3	Vertical	69	1.21	-	100.17
PK	5.929G	67.01	68.20	-1.19	6.16	3	Vertical	69	1.21	-	60.85

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

12/10/2019



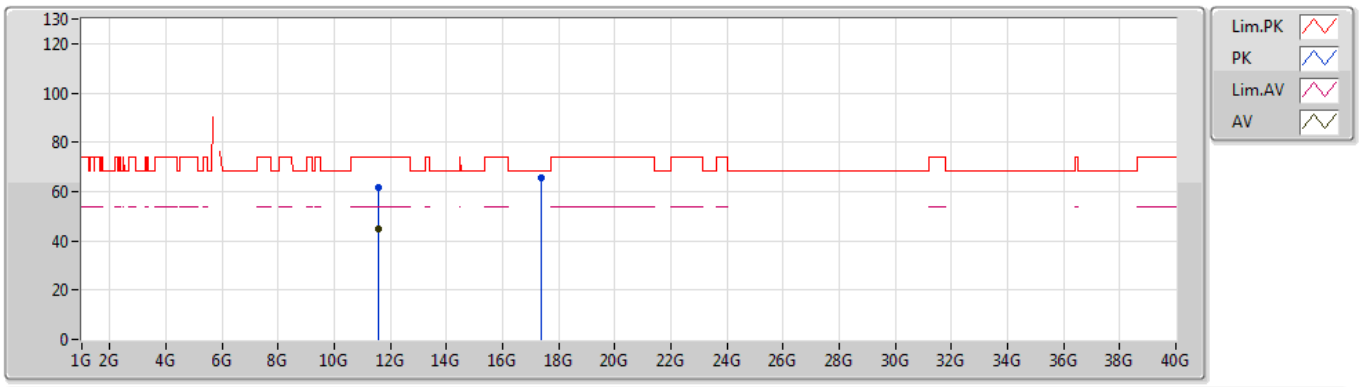
EUT Y_4TX
Setting 97
03-S-5-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.639G	65.09	68.20	-3.11	6.08	3	Horizontal	188	1.48	-	59.01
PK	5.788G	119.22	Inf	-Inf	5.80	3	Horizontal	188	1.48	-	113.42
AV	5.779G	108.88	Inf	-Inf	5.81	3	Horizontal	188	1.48	-	103.07
PK	5.931G	67.98	68.20	-0.22	6.16	3	Horizontal	188	1.48	-	61.82

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

17/10/2019



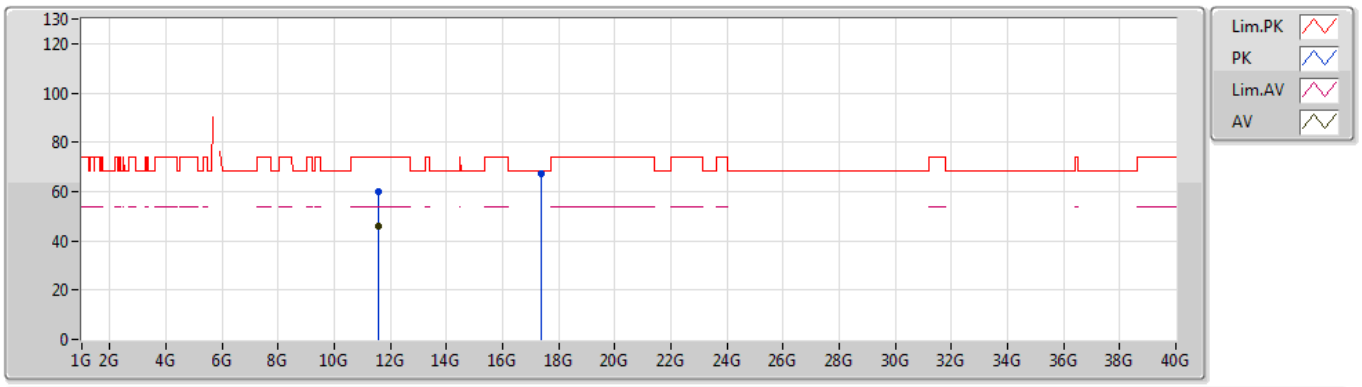
EUT Y_4TX
Setting 97
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.5898G	61.52	74.00	-12.48	13.05	3	Vertical	86	1.50	-	48.47
AV	11.58988G	44.84	54.00	-9.16	13.05	3	Vertical	86	1.50	-	31.79
PK	17.37312G	65.82	68.20	-2.38	18.03	3	Vertical	293	2.46	-	47.79

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

17/10/2019



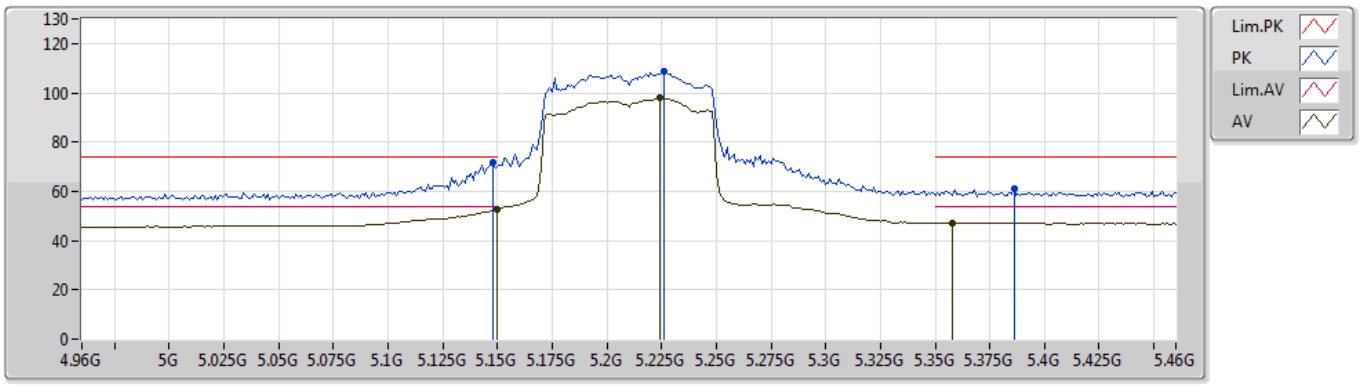
EUT Y_4TX
Setting 97
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.58972G	60.14	74.00	-13.86	13.05	3	Horizontal	104	1.64	-	47.09
AV	11.59028G	45.74	54.00	-8.26	13.05	3	Horizontal	104	1.64	-	32.69
PK	17.38392G	67.27	68.20	-0.93	18.10	3	Horizontal	42	2.37	-	49.17

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

16/10/2019



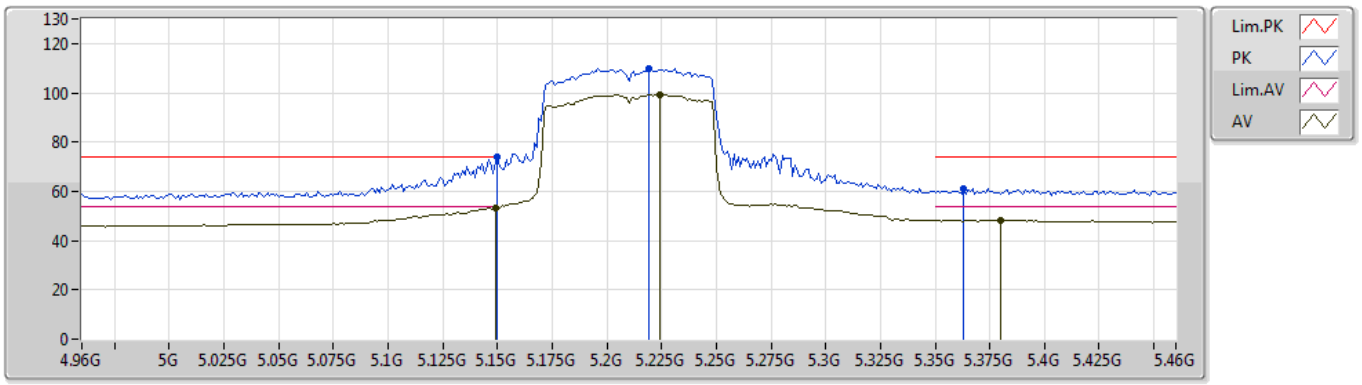
EUT Y_4TX
Setting 70
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.148G	71.60	74.00	-2.40	5.50	3	Vertical	186	1.46	-	66.10
AV	5.15G	52.45	54.00	-1.55	5.50	3	Vertical	186	1.46	-	46.95
PK	5.226G	108.92	Inf	-Inf	5.68	3	Vertical	186	1.46	-	103.24
AV	5.224G	98.05	Inf	-Inf	5.68	3	Vertical	186	1.46	-	92.37
PK	5.386G	61.01	74.00	-12.99	5.84	3	Vertical	186	1.46	-	55.17
AV	5.358G	47.33	54.00	-6.67	5.82	3	Vertical	186	1.46	-	41.51

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

16/10/2019

5210MHz_TX



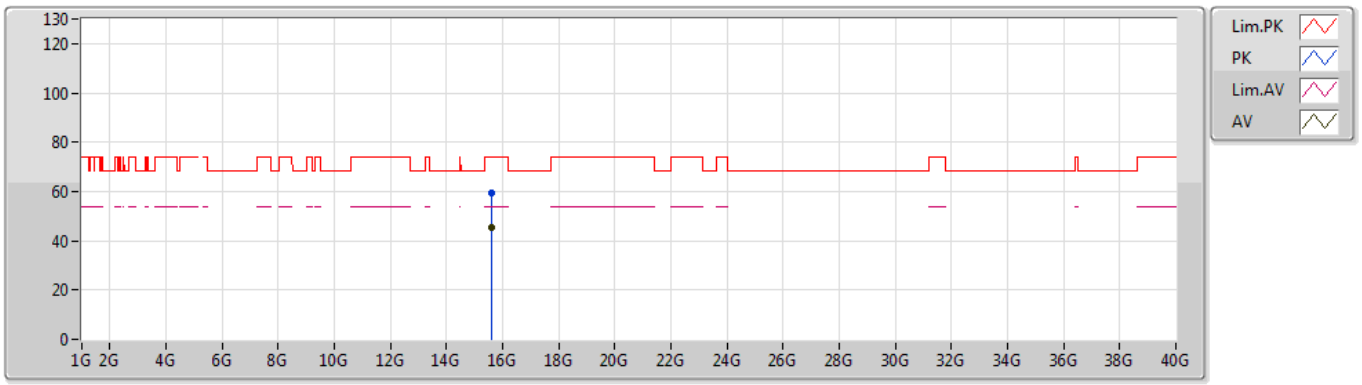
EUT Y_4TX
Setting 70
03-J-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.15G	73.82	74.00	-0.18	5.50	3	Horizontal	190	1.49	-	68.32
AV	5.149G	53.21	54.00	-0.79	5.50	3	Horizontal	190	1.49	-	47.71
PK	5.219G	109.61	Inf	-Inf	5.67	3	Horizontal	190	1.49	-	103.94
AV	5.224G	99.12	Inf	-Inf	5.68	3	Horizontal	190	1.49	-	93.44
PK	5.363G	61.33	74.00	-12.67	5.81	3	Horizontal	190	1.49	-	55.52
AV	5.38G	48.27	54.00	-5.73	5.83	3	Horizontal	190	1.49	-	42.44

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

16/10/2019



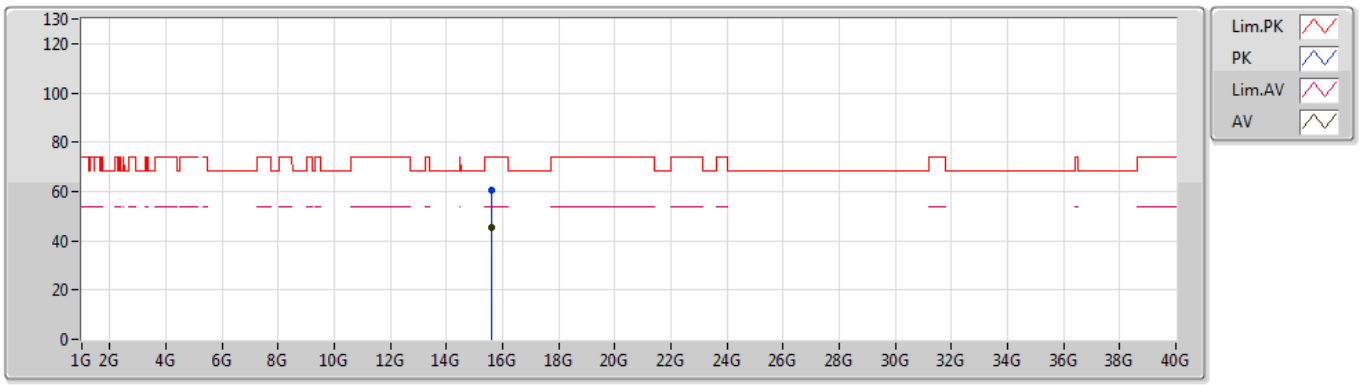
EUT Y_4TX
Setting 70
03-J-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.62636G	59.43	74.00	-14.57	14.08	3	Vertical	181	1.92	-	45.35
AV	15.62296G	45.36	54.00	-8.64	14.10	3	Vertical	181	1.92	-	31.26

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

16/10/2019



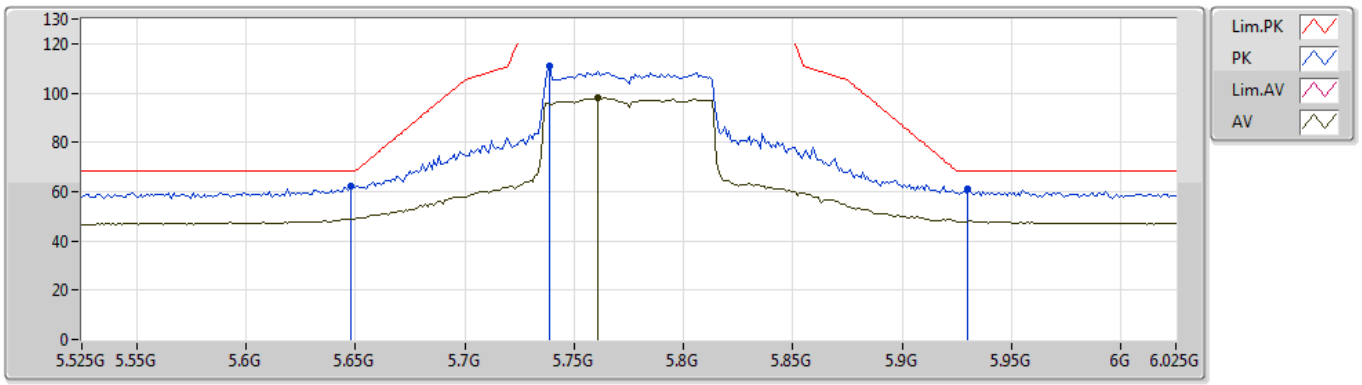
EUT Y_4TX
Setting 70
03-J-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	15.62652G	60.39	74.00	-13.61	14.08	3	Horizontal	44	1.53	-	46.31
AV	15.62264G	45.38	54.00	-8.62	14.10	3	Horizontal	44	1.53	-	31.28

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

16/10/2019



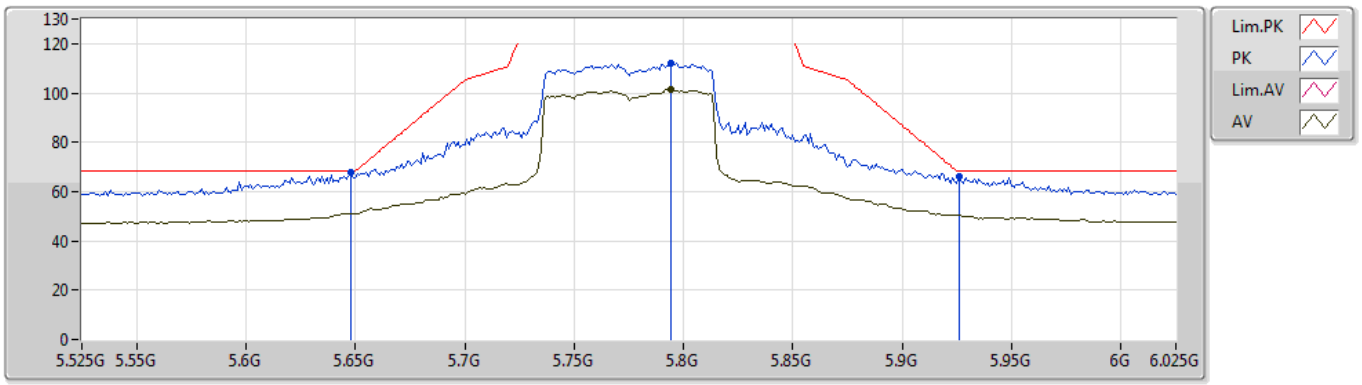
EUT Y_4TX
Setting 77
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.648G	62.33	68.20	-5.87	6.06	3	Vertical	67	1.28	-	56.27
PK	5.739G	110.77	Inf	-Inf	5.87	3	Vertical	67	1.28	-	104.90
AV	5.761G	98.11	Inf	-Inf	5.84	3	Vertical	67	1.28	-	92.27
PK	5.93G	60.91	68.20	-7.29	6.16	3	Vertical	67	1.28	-	54.75

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

16/10/2019



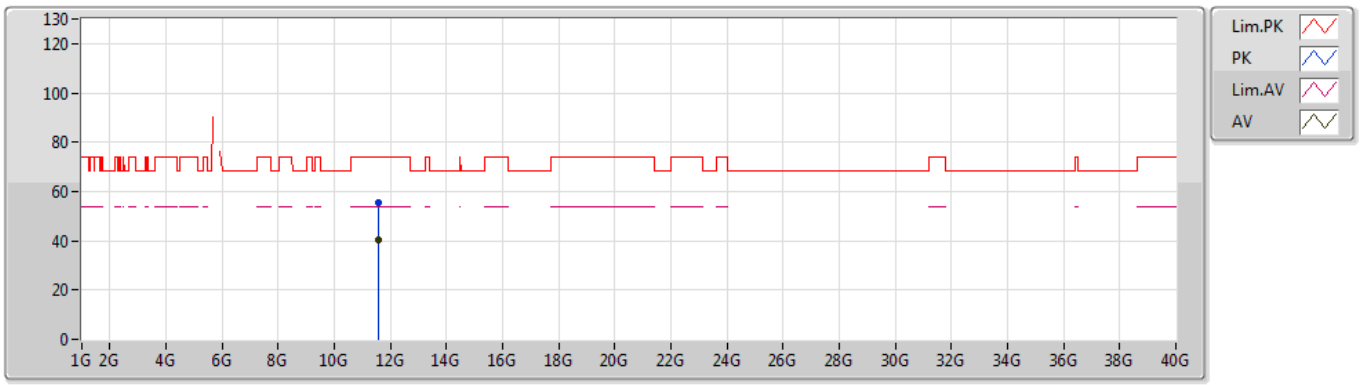
EUT Y_4TX
Setting 77
03-M-1-10
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	5.648G	67.98	68.20	-0.22	6.06	3	Horizontal	180	1.56	-	61.92
PK	5.794G	112.15	Inf	-Inf	5.79	3	Horizontal	180	1.56	-	106.36
AV	5.794G	101.55	Inf	-Inf	5.79	3	Horizontal	180	1.56	-	95.76
PK	5.926G	66.04	68.20	-2.16	6.15	3	Horizontal	180	1.56	-	59.89

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

16/10/2019



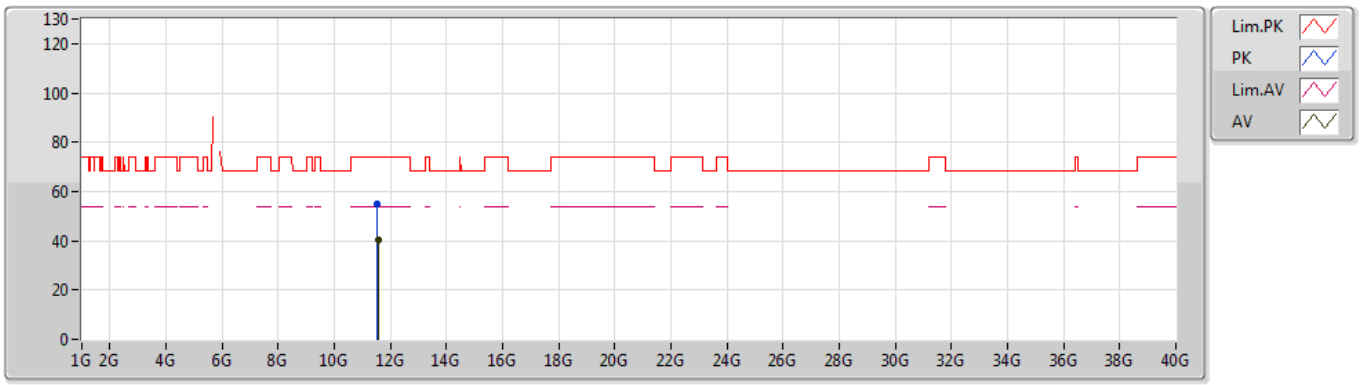
EUT Y_4TX
Setting 77
03-M-1
FSP

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.55668G	55.42	74.00	-18.58	13.03	3	Vertical	246	2.32	-	42.39
AV	11.55788G	40.56	54.00	-13.44	13.03	3	Vertical	246	2.32	-	27.53

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

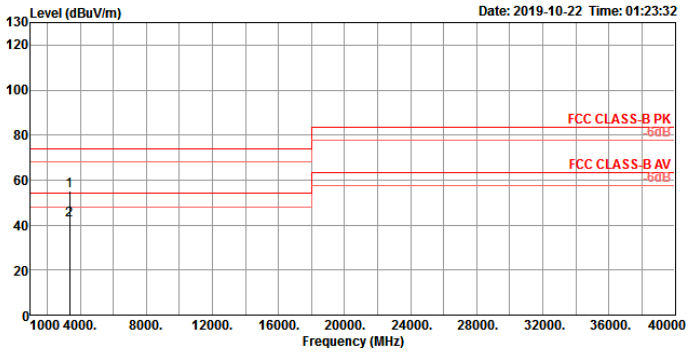
16/10/2019



EUT Y_4TX
Setting 77
03-M-1
FSP

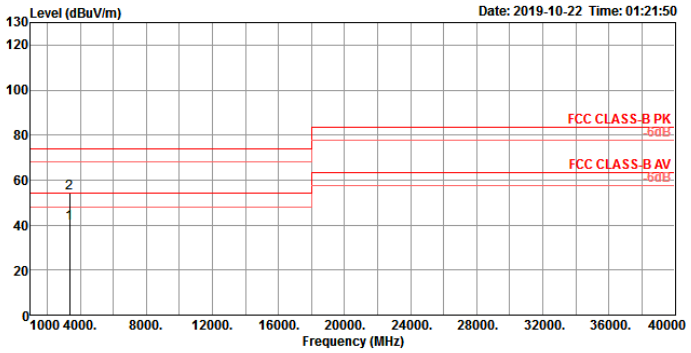
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)
PK	11.54144G	54.71	74.00	-19.29	13.02	3	Horizontal	224	1.43	-	41.69
AV	11.55932G	40.56	54.00	-13.44	13.03	3	Horizontal	224	1.43	-	27.53

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	3347.20	55.19	74.00	-18.81	55.93	3.29	30.40	34.43	122	338	Peak	HORIZONTAL
2	3347.70	41.99	54.00	-12.01	42.73	3.29	30.40	34.43	122	338	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	3348.00	41.01	54.00	-12.99	41.75	3.29	30.40	34.43	124	83	Average	VERTICAL
2	3349.10	54.37	74.00	-19.63	55.11	3.29	30.40	34.43	124	83	Peak	VERTICAL