FCC RADIO TEST REPORT

FCC ID	:	2ADZRHA020WB
Equipment	:	Nokia Wi-Fi Beacon
Brand Name	:	Nokia
Model Name	:	HA-020W-B
Applicant	:	Nokia Shanghai Bell Co. Ltd. No. 388, Ningqiao Rd. Pilot Free Trade Zone Shanghai , China 201206
Manufacturer	:	Nokia Shanghai Bell Co. Ltd. No. 388, Ningqiao Rd. Pilot Free Trade Zone Shanghai , China 201206
Standard	:	47 CFR FCC Part 15.407

The product was received on Jan. 31, 2019, and testing was started from Feb. 01, 2019 and completed on Mar. 05, 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

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

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History of this test report

Report No.	Version	Description	Issued Date
FR921805AB	01	Initial issue of report	Mar. 18, 2019
FR921805AB	02	Revising the Multiple Listing, Please refer to Chapter 1.1.5.	Mar. 21, 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: Sandy Chuang

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11n HT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

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

1.1.2 Antenna Information

<Main Source Antenna>

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	Airgain	M5X30CT-G45U	Copper tube Ant.	I-PEX	-	3
2	2	Airgain	M5X30CT-B80U	Copper tube Ant.	I-PEX	-	3
3	1	Airgain	N01NSAAA-T7-PK1-B130	PCB Ant.	N/A	3	-
4	2	Airgain	N01NSAAA-T7-PK1-G85	PCB Ant.	N/A	3	-

<Second Source Antenna>

Ant.	Port	Brand Holder	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	1	ShangHai Signal Plus Technology Co.,Ltd.	6011F000118	Copper tube Ant.	I-PEX	-	3
2	2	ShangHai Signal Plus Technology Co.,Ltd.	6011F000119	Copper tube Ant.	I-PEX	-	3
3	1	ShangHai Signal Plus Technology Co.,Ltd.	6011F000116	PCB Ant.	N/A	3	-
4	2	ShangHai Signal Plus Technology Co.,Ltd.	6011F000117	PCB Ant.	N/A	3	-

Note 1: The above information was declared by manufacturer.

Note 2: The EUT was only tested for Main Source Antenna.

Note 3:

<For 2.4GHz Band>

For IEEE 802.11b mode<1TX/1RX>:

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

For IEEE 802.11g/n mode<2TX/2RX>:

Port 1 and Port 2 will transmit/receive the same signal simultaneously.

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

<For 5GHz Band>

For IEEE 802.11a/n/ac mode <2TX/2RX>:

Port 1 and Port 2 will transmit/receive the same signal simultaneously.

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.948	0.232	2.068m	1k
802.11ac VHT20	0.987	0.057	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.944	0.25	3.84m	300
802.11ac VHT40	0.971	0.128	953.75u	3k
802.11ac VHT40-BF	0.942	0.259	4.61m	300
802.11ac VHT80	0.945	0.246	461.25u	3k
802.11ac VHT80-BF	0.89	0.506	5.103m	300

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	Note: The product has beamforming function for 802.11n/ac in 5GHz			
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
Test Software Version	MTool : 3.1.0.1			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

The EUT has two market sale set which are identical to each other in all aspects except for the following table:

Brand Name	Model Name	Unit	Part Number	Adapter	RJ-45 cable
Nokia	HA-020W-B	KIT_HA-020W-B	3FE 47855 AA	V	V
		EMA_HA-020W-B	3FE 47856 AA	-	-

From the above table, model: HA-020W-B for unit: KIT_HA-020W-B was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Owen Hsu	19~21 ℃ / 52~54%	Mar. 04, 2019 ~ Mar. 05, 2019
Radiated (Below 1GHz)	03CH01-CB	KJ Huang	22~23.4°C / 54~59%	Feb. 28, 2019
Radiated (Above 1GHz)	03CH01-CB	Eason Chen	21~23°C / 53~55%%	Mar. 02, 2019
AC Conduction	CO01-CB	GN Hou	23.2~23.8°C / 51~53%	Feb. 01, 2019

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	45
5200MHz	45
5240MHz	74
5745MHz	96
5785MHz	98
5825MHz	98
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	51
5200MHz	53
5240MHz	79
5745MHz	98
5785MHz	98
5825MHz	98
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	60
5230MHz	60
5755MHz	98
5795MHz	98
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	61
5775MHz	91
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	45
5200MHz	47
5240MHz	82
5745MHz	86
5785MHz	98
5825MHz	98
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	60
5230MHz	58
5755MHz	98
5795MHz	98
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	62

Mode	PowerSetting
5775MHz	89

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11n/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	Normal Link
1	EUT with Main Source Antenna and adapter 1 (Router Mode)
2	EUT with Main Source Antenna and adapter 2 (Router Mode)
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT with Main Source Antenna and adapter 1 (Router Mode)
2	EUT with Main Source Antenna and adapter 2 (Router Mode)
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1	EUT with Main Source Antenna and adapter 1 (Router Mode)

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.: FA921805 for Co-location RF Exposure Evaluation.	

Note 1: The EUT can only be used in Y axis position.
Note 2: The EUT supports router mode and mesh mode. Only the router mode was tested and recorded in this test report that is designated by the manufacturer.

2.3 EUT Operation during Test

For CTX Mode:

<Non-beamforming mode>

The EUT was programmed to be in continuously transmitting mode.

<beamforming mode>

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN XP 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 DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Holder**	**Model Name**	**Rating**
Adapter 1	SHENZHEN RUIDE ELECTRONICAL INDUSTRIAL CO., LTD	RD1201000-C55-26MG	Input: 100-240V~50/60Hz, 0.6A MAX Output: 12V, 1A
Adapter 2	DONGGUAN SHILONG FUHUA ELECTRONIC CO., LTD	UES12LU-120100SPA	Input: 100-240V~50/60Hz, 0.5A Output: 12.0V, 1.0A
Other			
RJ-45 Cable*1: Non-Shielded, 1m			

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	N/A
B	2.4G NB	DELL	E6430	N/A
C	5G NB	DELL	E6430	N/A
D	WAN NB	DELL	E6430	N/A

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E4300	N/A
B	2.4G NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A
D	WAN NB	DELL	E4300	N/A

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

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

<beamforming mode>

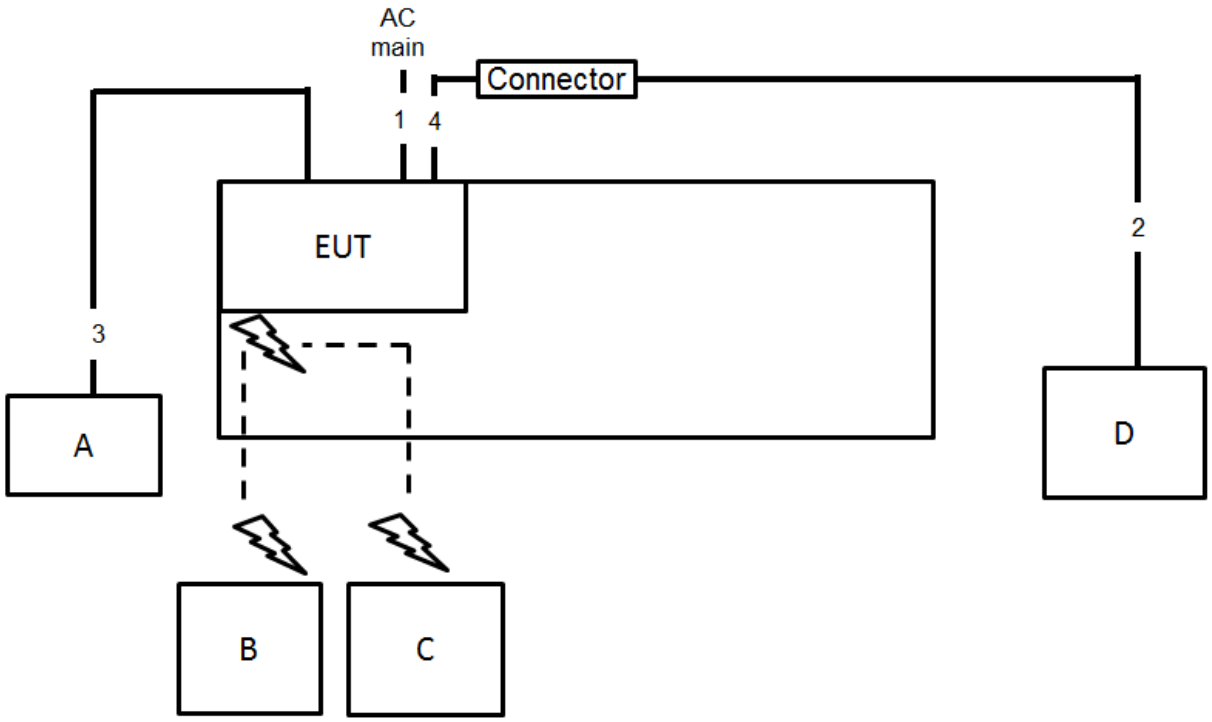
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	NB	DELL	E4300	N/A
C	WLAN module	Boardcom	BCM943162ZP	QDS-BRCM1075

For Test Site No: TH01-CB

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

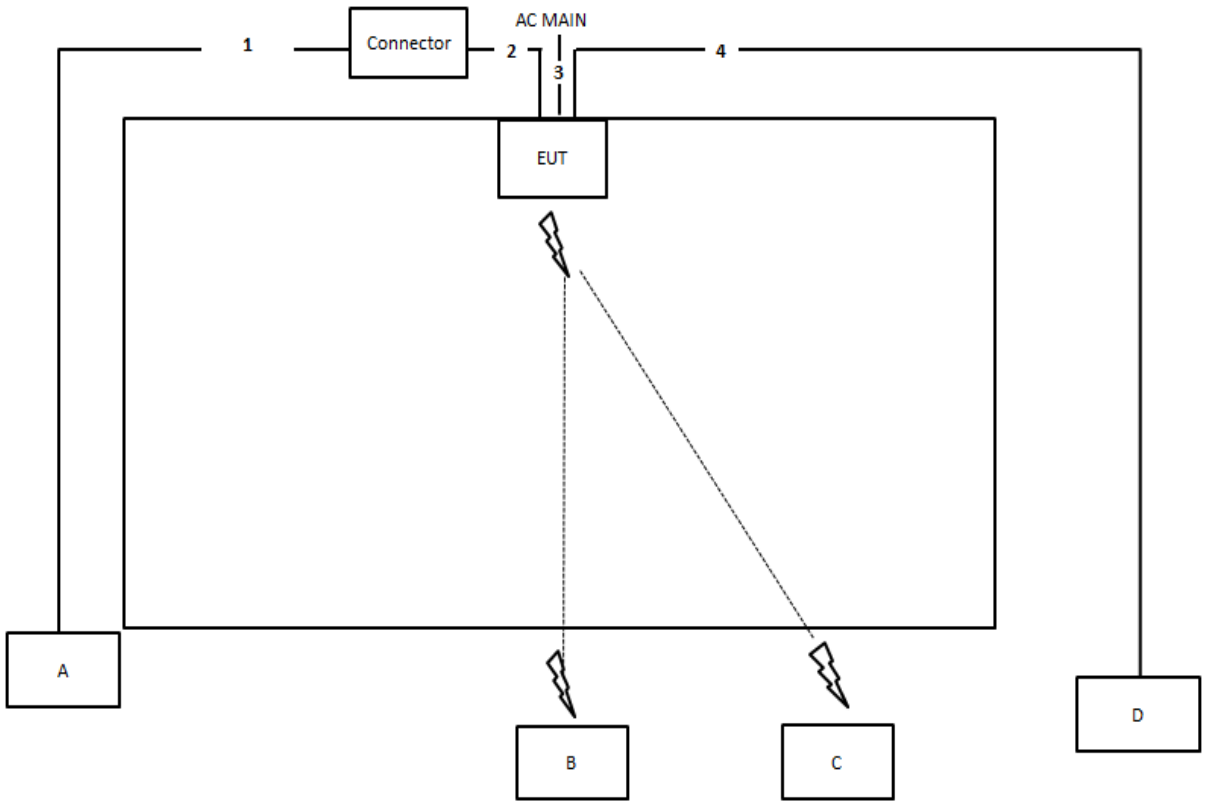
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

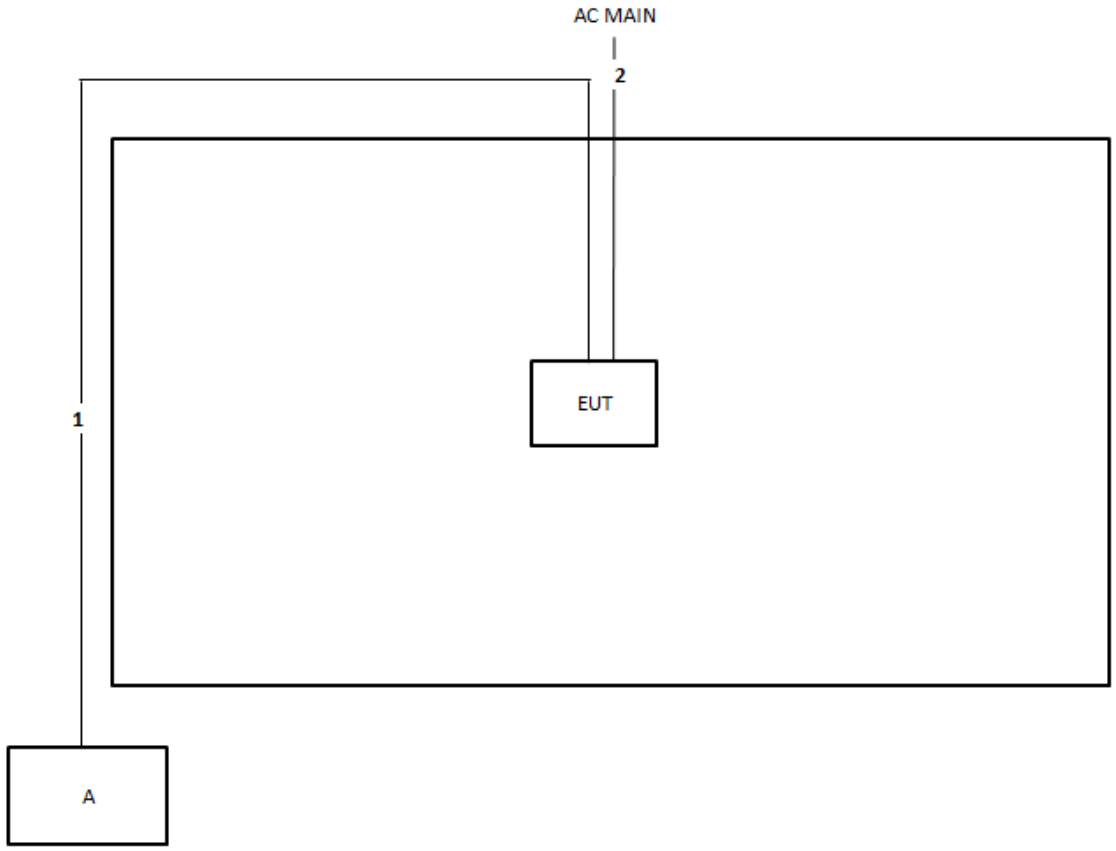
Test Setup Diagram - Radiated Test < 1GHz



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

Test Setup Diagram - Radiated Test > 1GHz

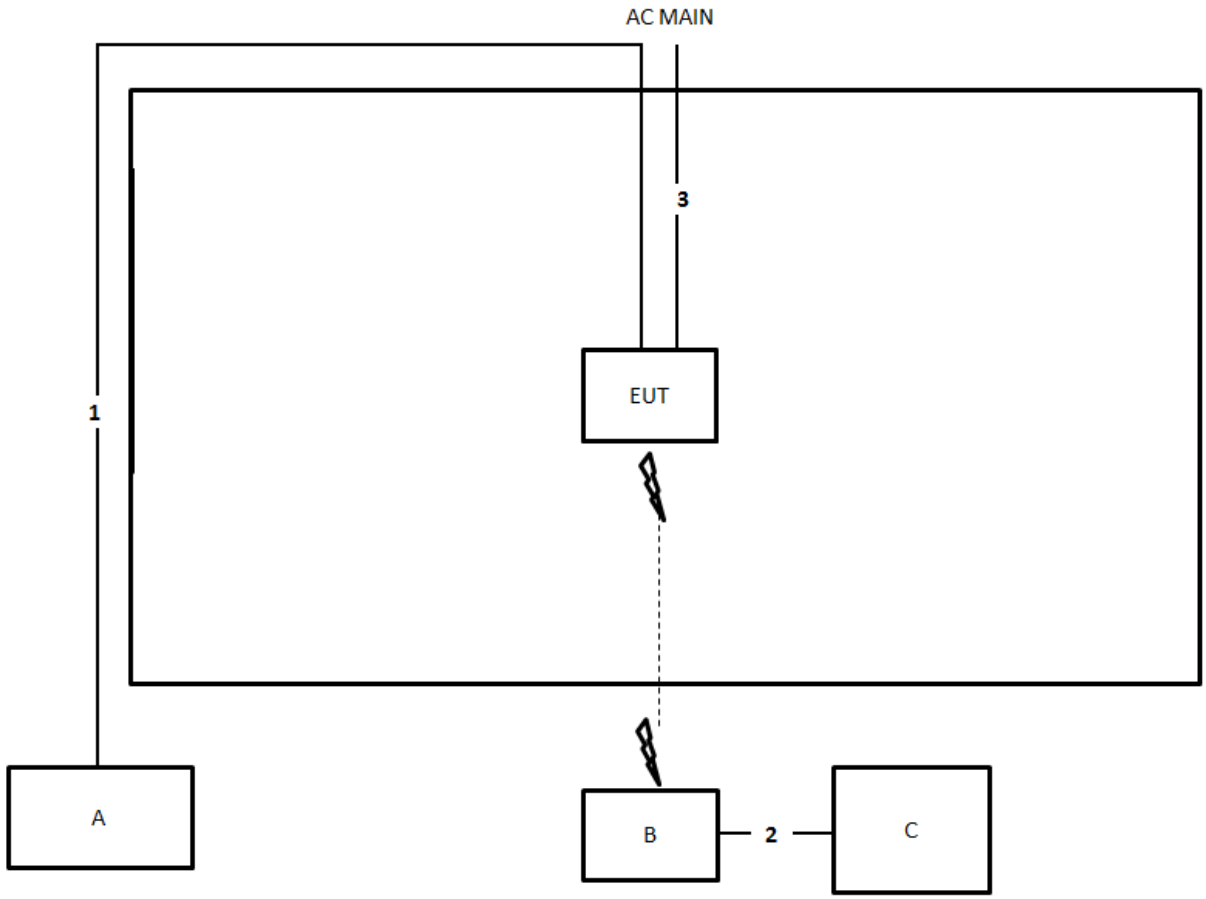
<Non-beamforming mode>



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

Test Setup Diagram - Radiated Test > 1GHz

<beamforming mode>



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

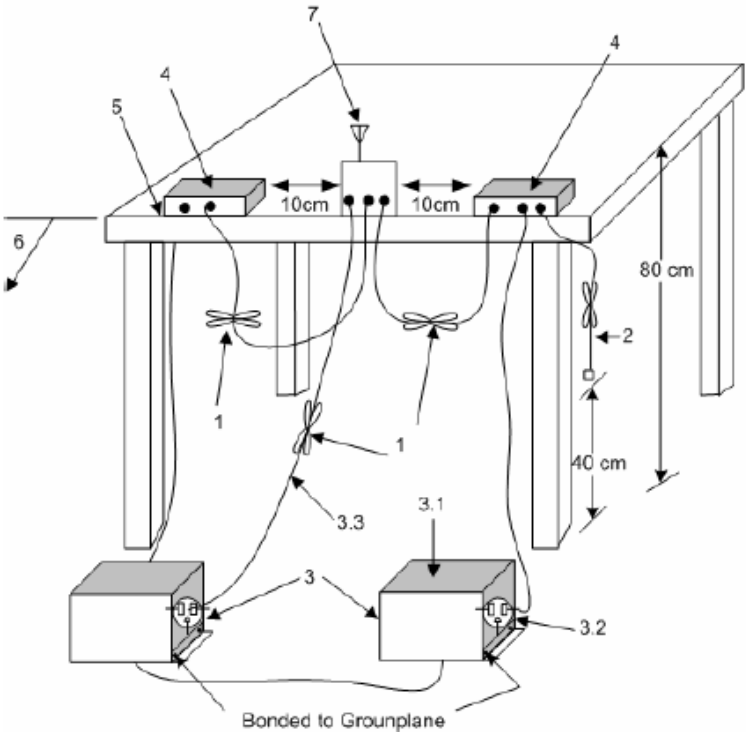
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

3.2.2 Measuring Instruments

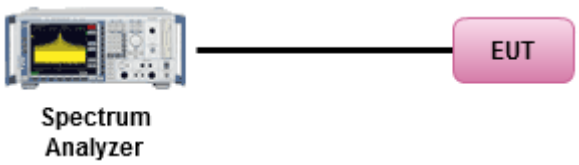
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

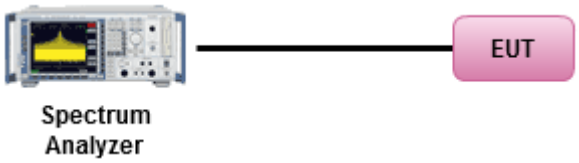
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

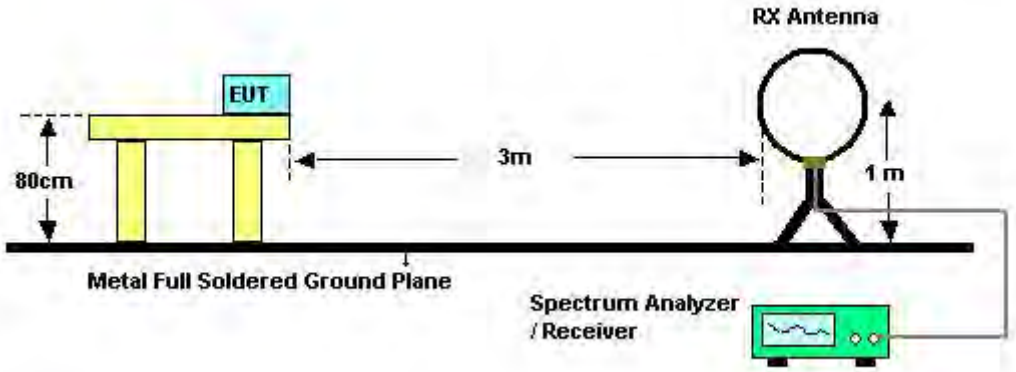
3.5.3 Test Procedures

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

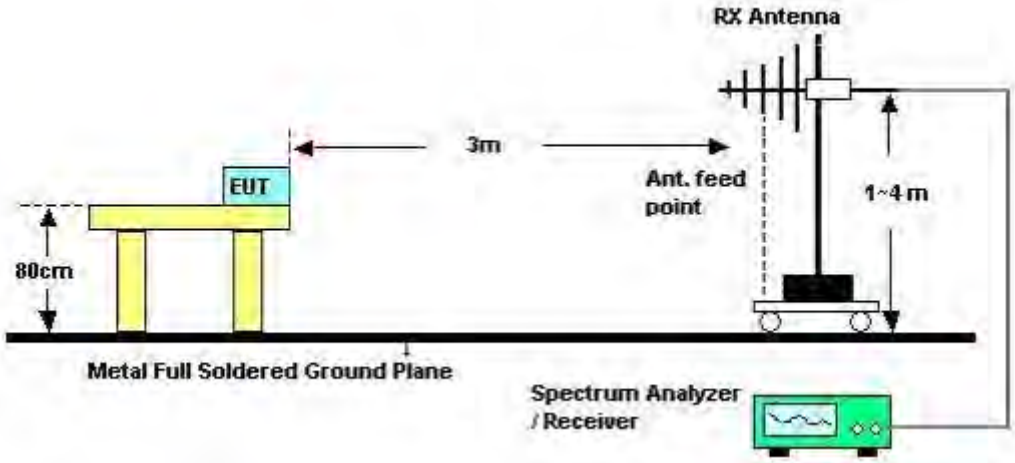
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

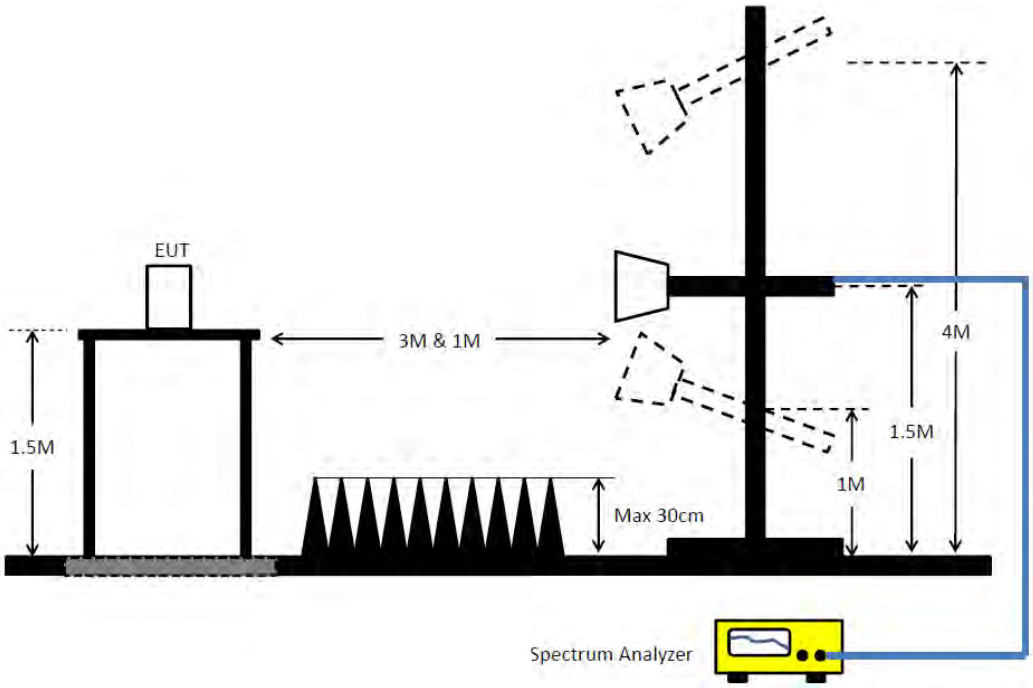
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

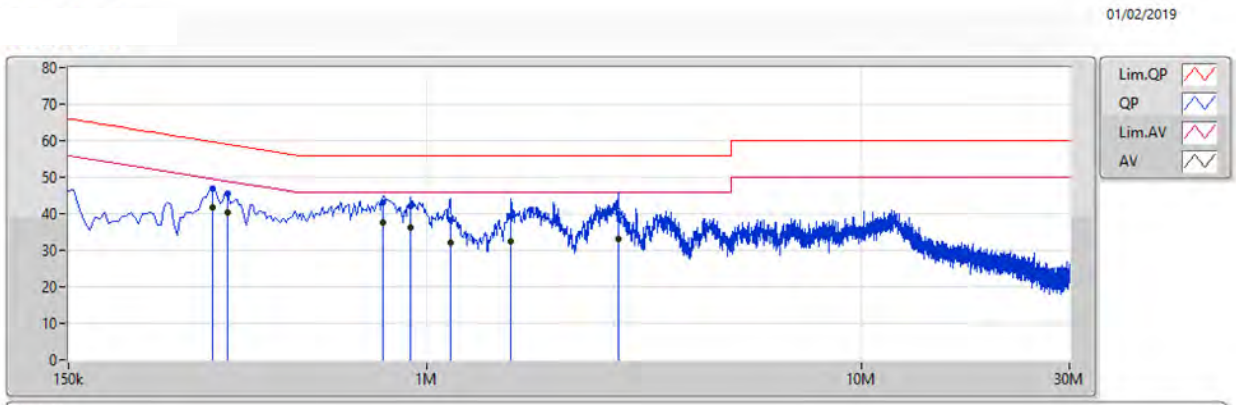
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	150kHz ~ 30MHz	May 22, 2018	May 21, 2019	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jun. 22, 2018	Jun. 21, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

NCR means Non-Calibration required.

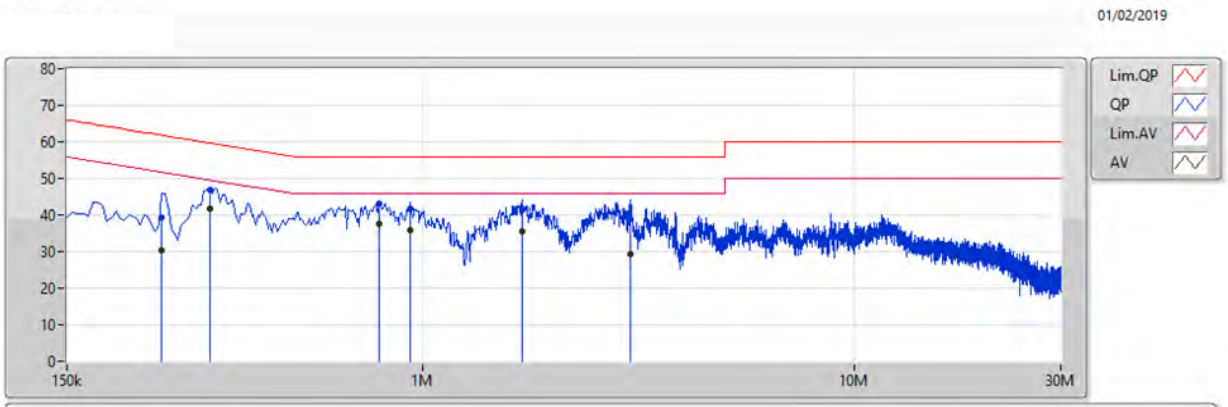
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	Normal Link		



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	321k	46.79	59.67	-12.88	10.06	Line	-	36.73	0.06	0.13	9.87
AV	321k	41.61	49.67	-8.06	10.06	Line	"Worst"	31.55	0.06	0.13	9.87
QP	348k	45.46	59.00	-13.54	10.05	Line	-	35.41	0.06	0.12	9.87
AV	348k	40.43	49.00	-8.57	10.05	Line	-	30.38	0.06	0.12	9.87
QP	793.5k	43.02	56.00	-12.98	10.12	Line	-	32.90	0.07	0.18	9.87
AV	793.5k	37.62	46.00	-8.38	10.12	Line	-	27.50	0.07	0.18	9.87
QP	919.5k	42.16	56.00	-13.84	10.13	Line	-	32.03	0.07	0.19	9.87
AV	919.5k	36.36	46.00	-9.64	10.13	Line	-	26.23	0.07	0.19	9.87
QP	1.131M	38.28	56.00	-17.72	10.14	Line	-	28.14	0.07	0.20	9.87
AV	1.131M	32.22	46.00	-13.78	10.14	Line	-	22.08	0.07	0.20	9.87
QP	1.559M	39.30	56.00	-16.70	10.18	Line	-	29.12	0.08	0.22	9.88
AV	1.559M	32.50	46.00	-13.50	10.18	Line	-	22.32	0.08	0.22	9.88
QP	2.756M	40.16	56.00	-15.84	10.16	Line	-	30.00	0.10	0.18	9.88
AV	2.756M	33.23	46.00	-12.77	10.16	Line	-	23.07	0.10	0.18	9.88

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

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



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	249k	39.45	61.79	-22.34	10.04	Neutral	-	29.41	0.04	0.13	9.87
AV	249k	30.49	51.79	-21.30	10.04	Neutral	-	20.45	0.04	0.13	9.87
QP	321k	46.96	59.67	-12.71	10.04	Neutral	-	36.92	0.04	0.13	9.87
AV	321k	41.76	49.67	-7.91	10.04	Neutral	"Worst"	31.72	0.04	0.13	9.87
QP	793.5k	42.94	56.00	-13.06	10.10	Neutral	-	32.84	0.05	0.18	9.87
AV	793.5k	37.44	46.00	-8.56	10.10	Neutral	-	27.34	0.05	0.18	9.87
QP	937.5k	41.70	56.00	-14.30	10.12	Neutral	-	31.58	0.06	0.19	9.87
AV	937.5k	35.96	46.00	-10.04	10.12	Neutral	-	25.84	0.06	0.19	9.87
QP	1.694M	41.64	56.00	-14.36	10.17	Neutral	-	31.47	0.07	0.22	9.88
AV	1.694M	35.35	46.00	-10.65	10.17	Neutral	-	25.18	0.07	0.22	9.88
QP	3.021M	38.84	56.00	-17.16	10.14	Neutral	-	28.70	0.09	0.17	9.88
AV	3.021M	29.30	46.00	-16.70	10.14	Neutral	-	19.16	0.09	0.17	9.88

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.45M	16.725M	16M7D1D	20.25M	16.65M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.725M	17.825M	17M8D1D	20.4M	17.75M
802.11ac VHT40_Nss1,(MCS0)_2TX	41.45M	36.6M	36M6D1D	40.75M	36.5M
802.11ac VHT80_Nss1,(MCS0)_2TX	83M	75.8M	75M8D1D	82M	75.7M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.775M	17.85M	17M8D1D	20.375M	17.75M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	41.2M	36.6M	36M6D1D	40.85M	36.5M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	82.5M	75.9M	75M9D1D	82.3M	75.8M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.325M	17.325M	17M3D1D	15.9M	16.925M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.575M	18.175M	18M2D1D	17.525M	18.025M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.25M	37.15M	37M1D1D	36.05M	36.9M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.3M	75.9M	75M9D1D	75.1M	75.8M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	17.575M	18.2M	18M2D1D	16.875M	17.75M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	36.3M	37.15M	37M1D1D	35.95M	36.8M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	75.5M	75.8M	75M8D1D	75.1M	75.8M

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

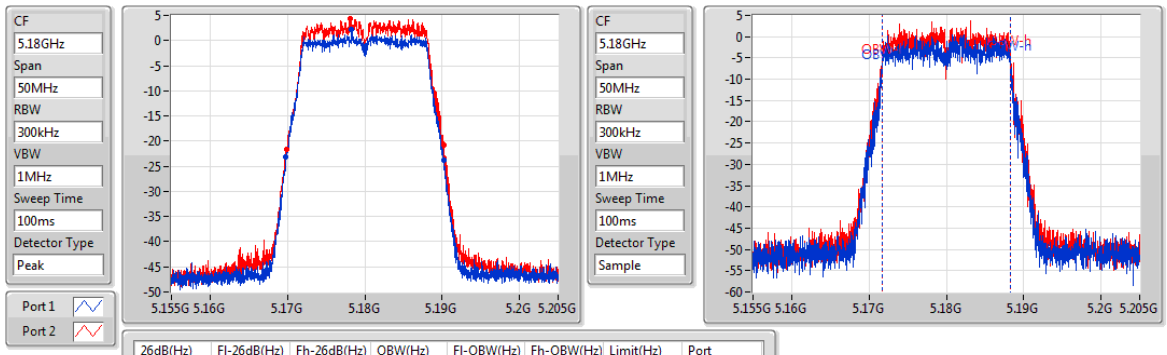
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.4M	16.7M	20.45M	16.675M
5200MHz	Pass	Inf	20.325M	16.725M	20.275M	16.65M
5240MHz	Pass	Inf	20.3M	16.7M	20.25M	16.675M
5745MHz	Pass	500k	16.3M	16.925M	16.325M	16.975M
5785MHz	Pass	500k	15.9M	17.25M	16.325M	17.075M
5825MHz	Pass	500k	16.3M	17.3M	16.325M	17.325M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.725M	17.825M	20.475M	17.8M
5200MHz	Pass	Inf	20.675M	17.825M	20.4M	17.8M
5240MHz	Pass	Inf	20.675M	17.75M	20.5M	17.8M
5745MHz	Pass	500k	17.55M	18.025M	17.575M	18.05M
5785MHz	Pass	500k	17.525M	18.1M	17.55M	18.075M
5825MHz	Pass	500k	17.525M	18.175M	17.575M	18.15M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.2M	36.5M	40.75M	36.55M
5230MHz	Pass	Inf	41.45M	36.55M	40.9M	36.6M
5755MHz	Pass	500k	36.25M	37.1M	36.25M	36.9M
5795MHz	Pass	500k	36.05M	37.15M	36.1M	37M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83M	75.7M	82M	75.8M
5775MHz	Pass	500k	75.3M	75.8M	75.1M	75.9M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.675M	17.75M	20.375M	17.75M
5200MHz	Pass	Inf	20.75M	17.85M	20.475M	17.775M
5240MHz	Pass	Inf	20.775M	17.8M	20.475M	17.8M
5745MHz	Pass	500k	17.55M	17.75M	17.575M	17.775M
5785MHz	Pass	500k	16.875M	18.2M	17.575M	18.15M
5825MHz	Pass	500k	17.55M	18.175M	17.575M	18.2M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.15M	36.6M	40.85M	36.5M
5230MHz	Pass	Inf	41.2M	36.55M	40.9M	36.6M
5755MHz	Pass	500k	36.05M	37.05M	36.3M	36.8M
5795MHz	Pass	500k	36.15M	37.15M	35.95M	36.85M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.3M	75.8M	82.5M	75.9M
5775MHz	Pass	500k	75.5M	75.8M	75.1M	75.8M

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

802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

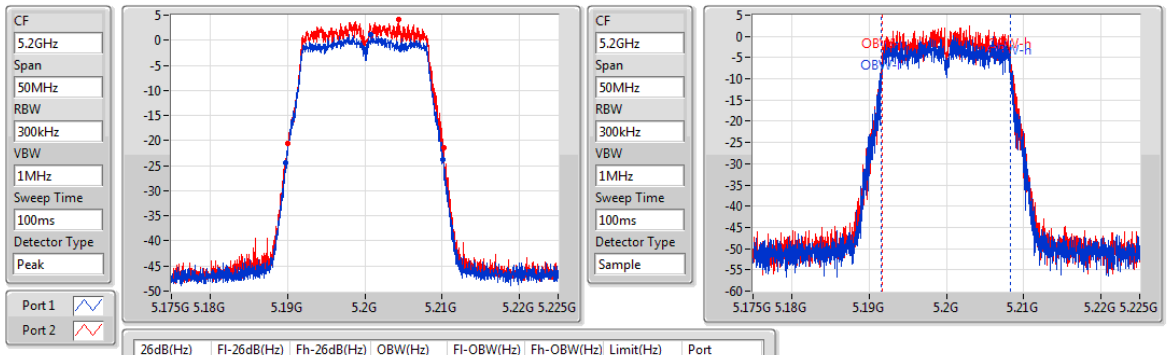
04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.169775G	5.190175G	16.7M	5.17165G	5.18835G	Inf	1
20.45M	5.16985G	5.1903G	16.675M	5.171675G	5.18835G	Inf	2

802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

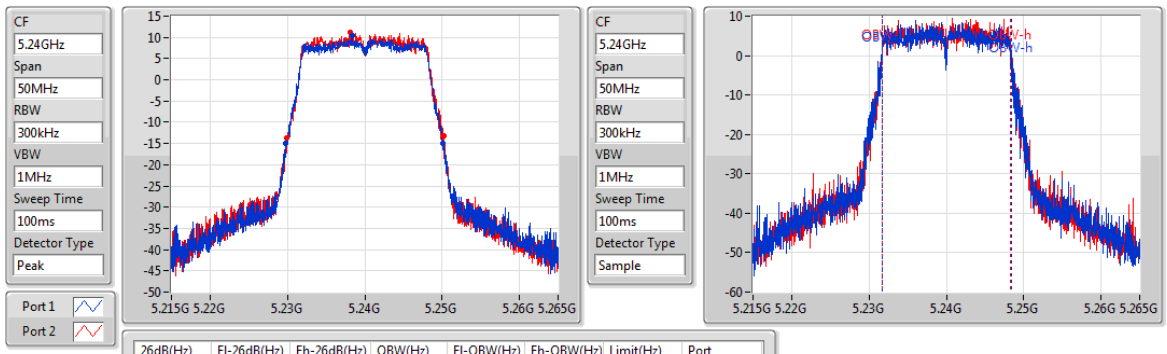
04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.325M	5.189825G	5.21015G	16.725M	5.191625G	5.20835G	Inf	1
20.275M	5.19G	5.210275G	16.65M	5.1917G	5.20835G	Inf	2

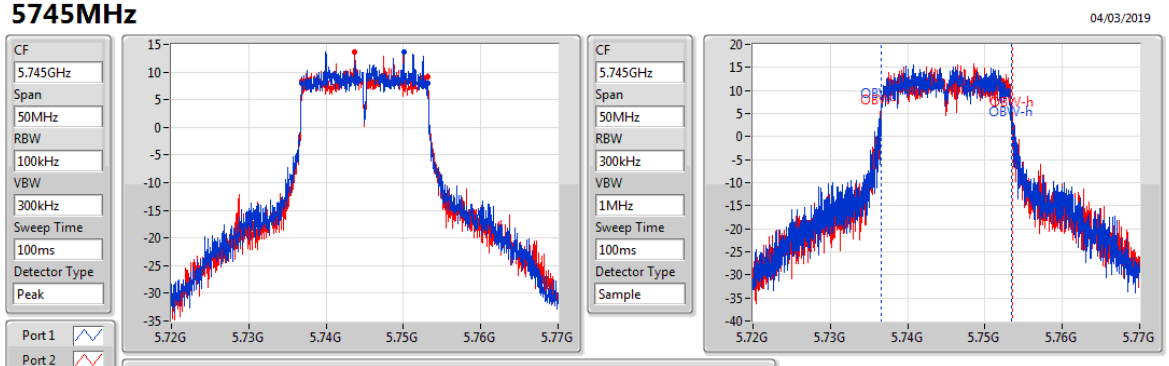
802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

04/03/2019



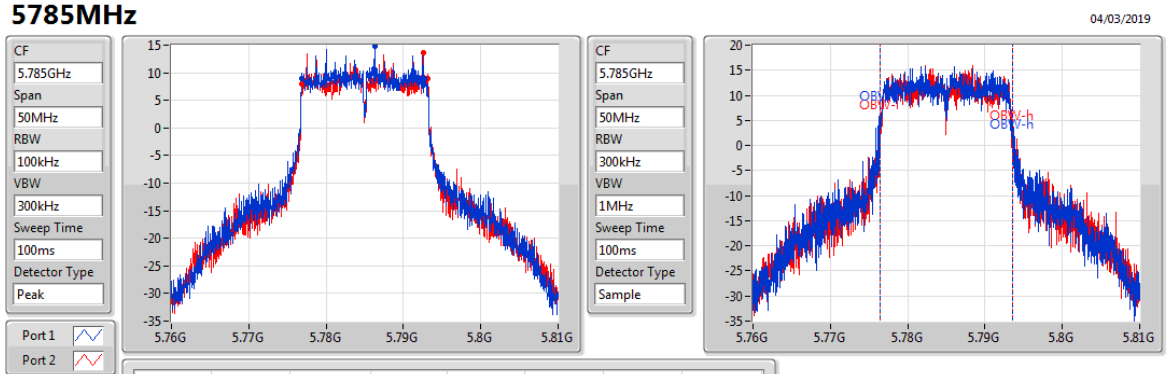
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.3M	5.229825G	5.250125G	16.7M	5.231675G	5.248375G	Inf	1
20.25M	5.22995G	5.2502G	16.675M	5.231675G	5.24835G	Inf	2

802.11a_Nss1,(6Mbps)_2TX
EBW
5745MHz



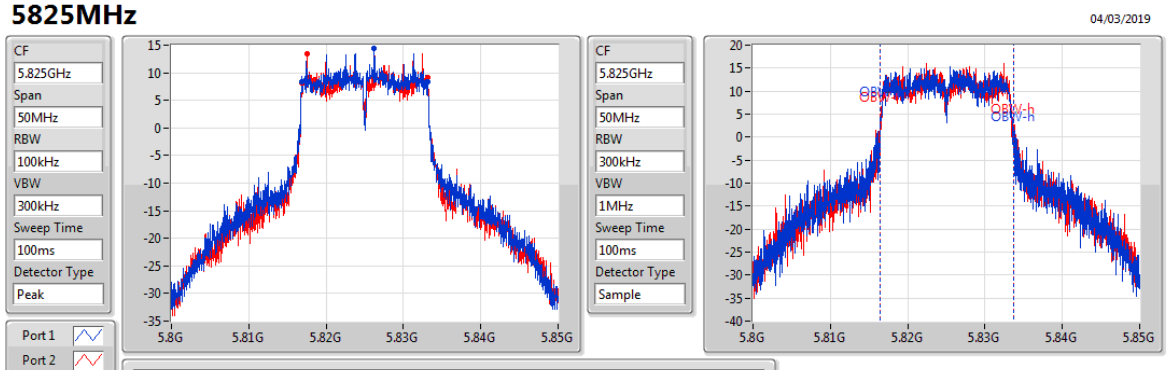
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.73685G	5.75315G	16.925M	5.73655G	5.753475G	500k	1
16.325M	5.73685G	5.753175G	16.975M	5.736575G	5.75355G	500k	2

802.11a_Nss1,(6Mbps)_2TX
EBW
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	5.77685G	5.79275G	17.25M	5.776375G	5.793625G	500k	1
16.325M	5.77685G	5.793175G	17.075M	5.776475G	5.79355G	500k	2

802.11a_Nss1,(6Mbps)_2TX
EBW
5825MHz

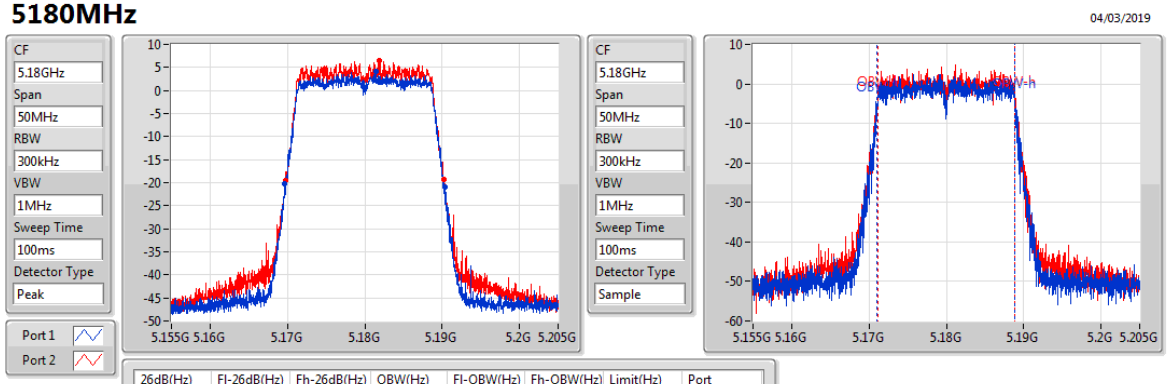


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.81685G	5.83315G	17.3M	5.8164G	5.8337G	500k	1
16.325M	5.81685G	5.833175G	17.325M	5.816425G	5.83375G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

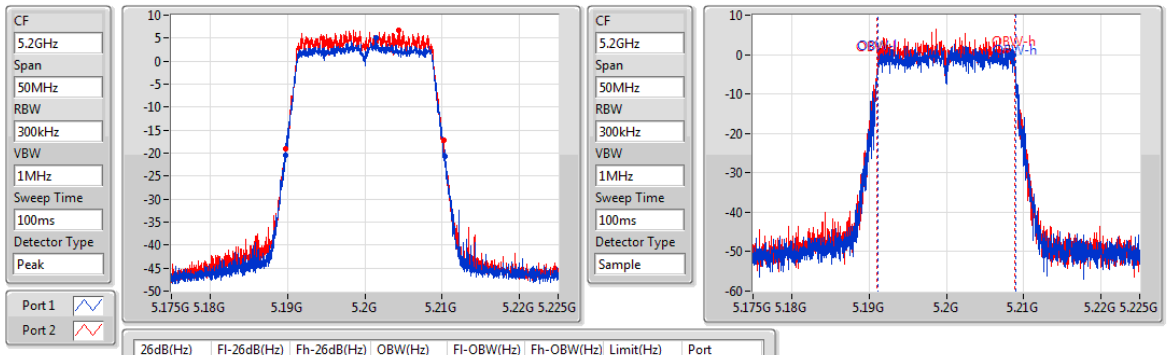


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.725M	5.169625G	5.19035G	17.825M	5.171075G	5.1889G	Inf	1
20.475M	5.16975G	5.190225G	17.8M	5.1711G	5.1889G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

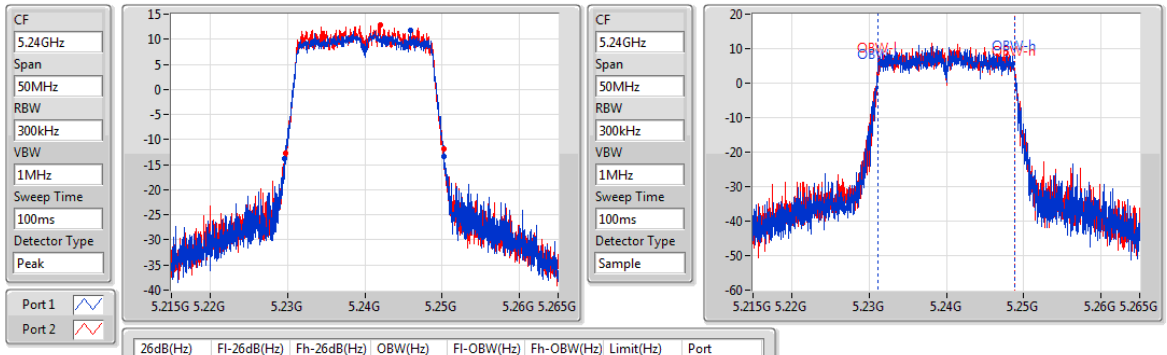


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.675M	5.189725G	5.2104G	17.825M	5.1911G	5.208925G	Inf	1
20.4M	5.1898G	5.2102G	17.8M	5.191075G	5.208875G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

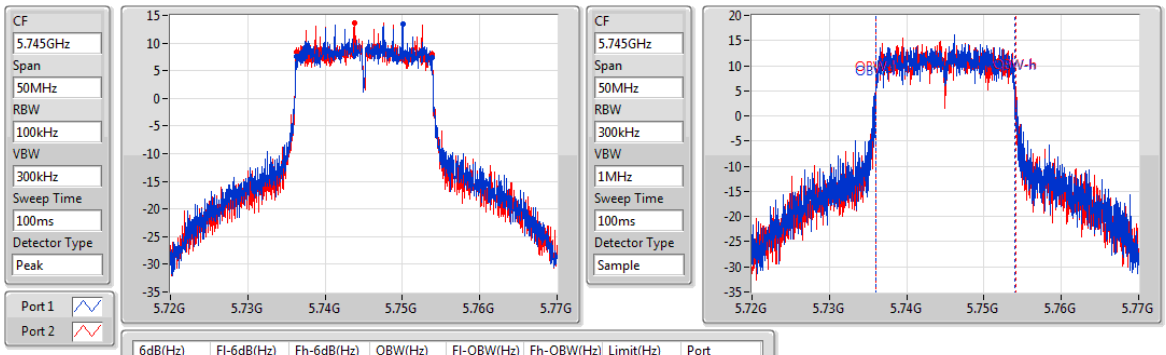
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.675M	5.229625G	5.2503G	17.75M	5.2311G	5.24885G	Inf	1
20.5M	5.229775G	5.250275G	17.8M	5.2311G	5.2489G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5745MHz

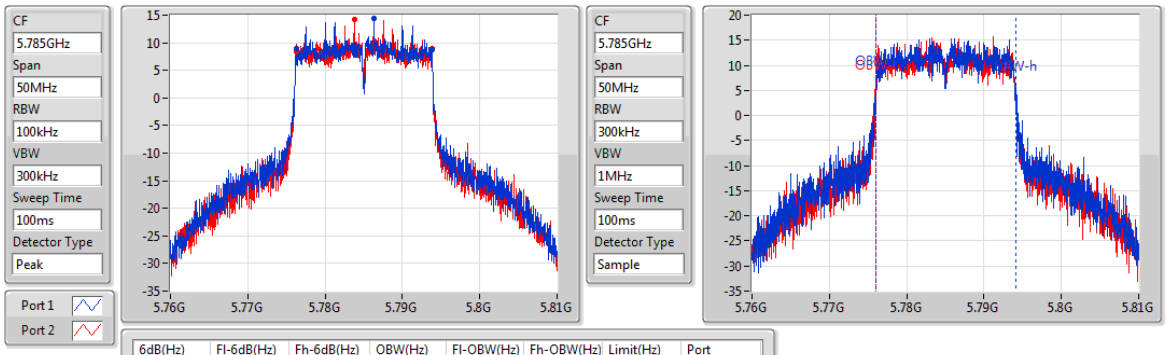
04/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.736275G	5.753825G	18.025M	5.735975G	5.754G	500k	1
17.575M	5.73625G	5.753825G	18.05M	5.736025G	5.754075G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5785MHz

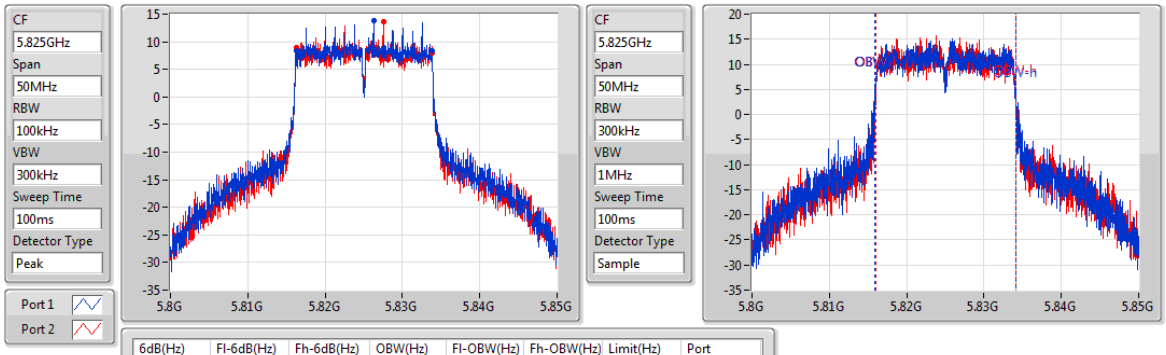
04/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.77625G	5.793775G	18.1M	5.776025G	5.794125G	500k	1
17.55M	5.77625G	5.7938G	18.075M	5.776G	5.794075G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5825MHz

04/03/2019

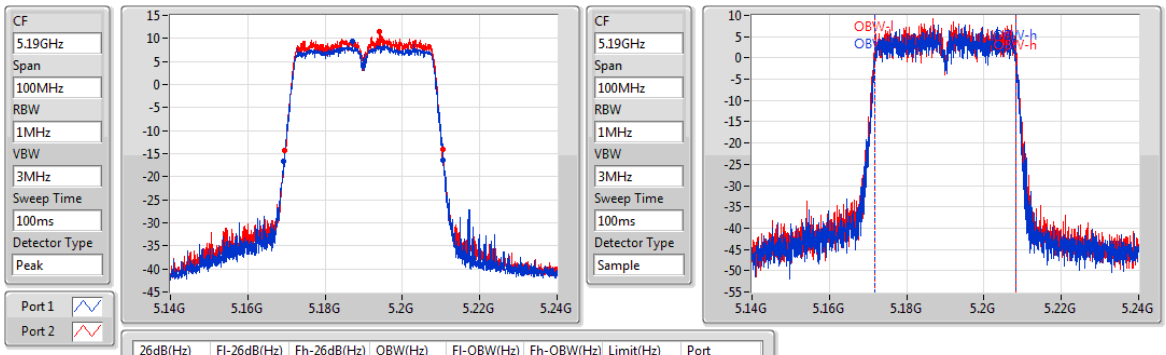


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	5.81625G	5.833775G	18.175M	5.815925G	5.8341G	500k	1
17.575M	5.81625G	5.833825G	18.15M	5.816G	5.83415G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5190MHz

04/03/2019

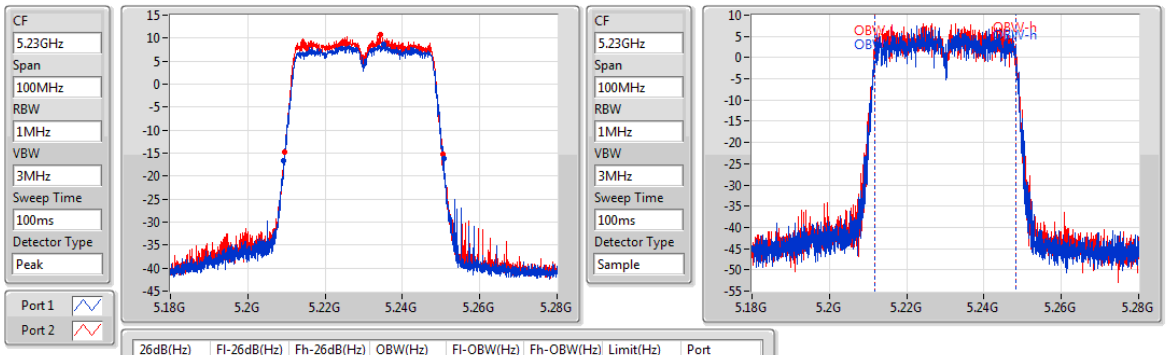


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.2M	5.16935G	5.21055G	36.5M	5.17175G	5.20825G	Inf	1
40.75M	5.1696G	5.21035G	36.55M	5.17165G	5.2082G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5230MHz

04/03/2019

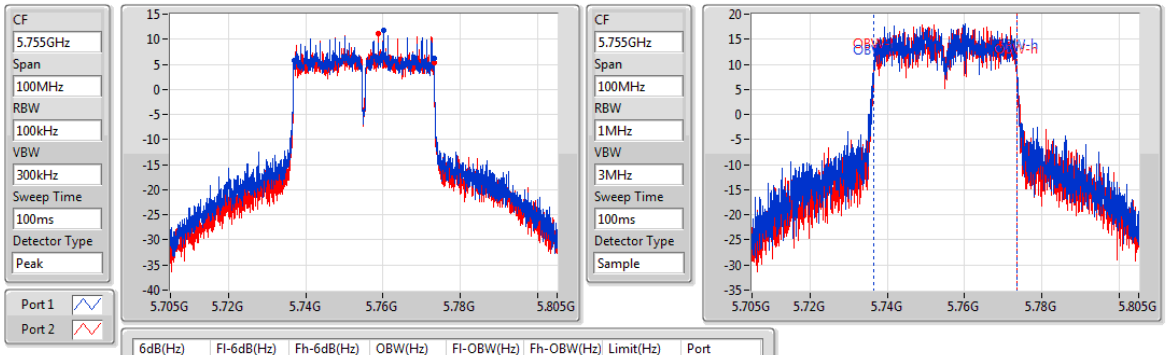


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.45M	5.20925G	5.2507G	36.55M	5.2117G	5.24825G	Inf	1
40.9M	5.20955G	5.25045G	36.6M	5.2117G	5.2483G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5755MHz

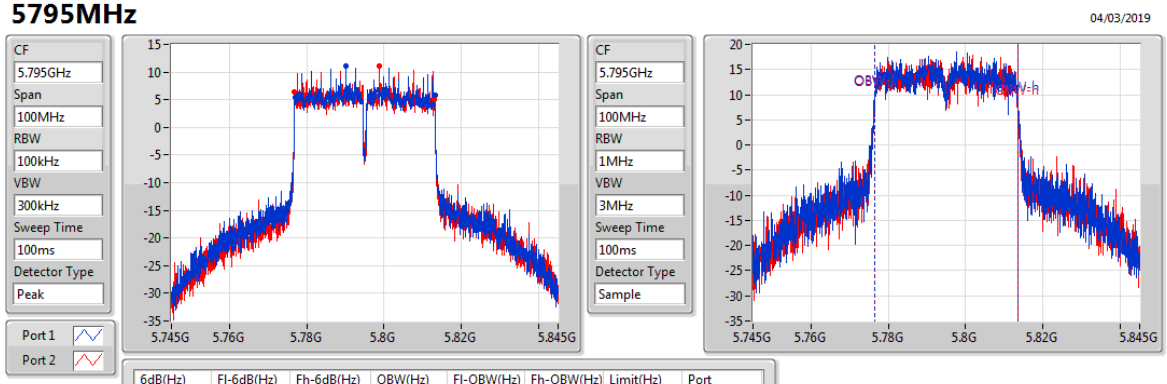
04/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.25M	5.7369G	5.77315G	37.1M	5.73645G	5.77355G	500k	1
36.25M	5.7369G	5.77315G	36.9M	5.73655G	5.77345G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

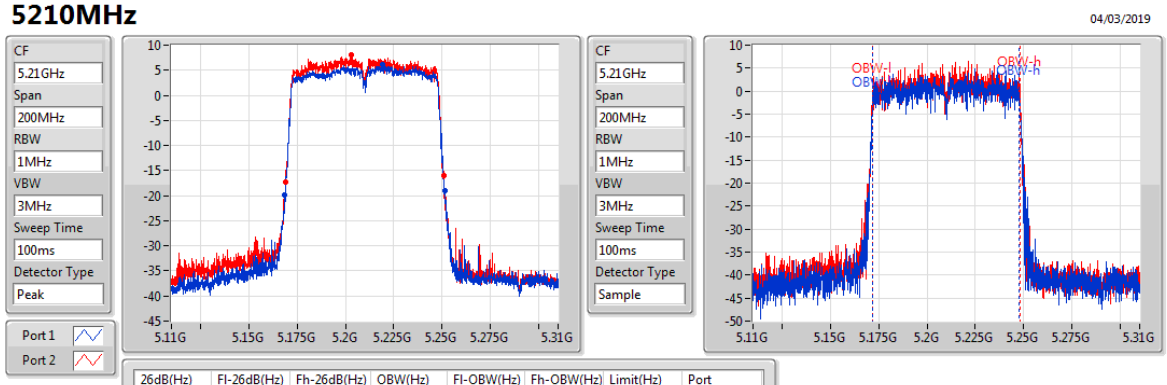
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	5.7771G	5.81315G	37.15M	5.77645G	5.8136G	500k	1
36.1M	5.77685G	5.81295G	37M	5.7765G	5.8135G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

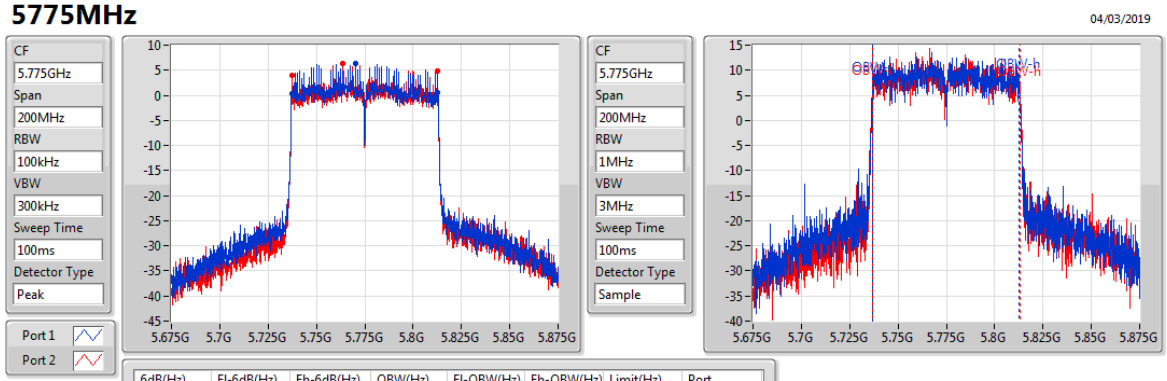
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83M	5.1686G	5.2516G	75.7M	5.1721G	5.2478G	Inf	1
82M	5.169G	5.251G	75.8M	5.1721G	5.2479G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



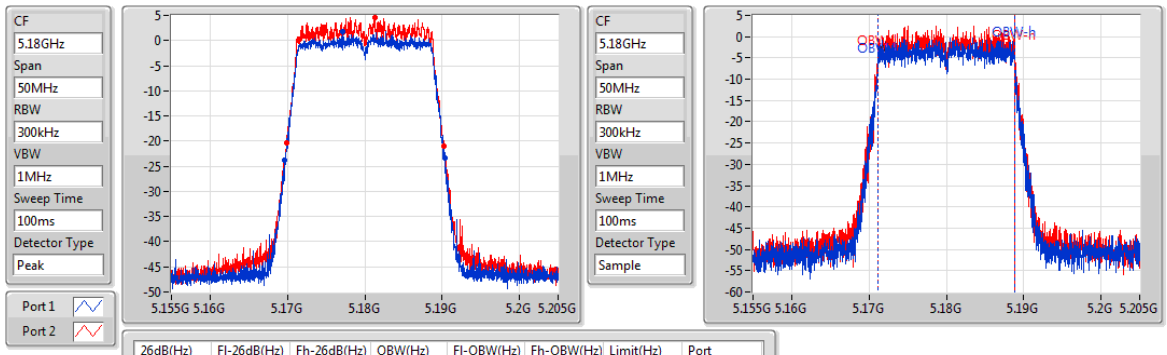
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.3M	5.7375G	5.8128G	75.8M	5.737G	5.8128G	500k	1
75.1M	5.7375G	5.8126G	75.9M	5.7371G	5.813G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5180MHz

04/03/2019



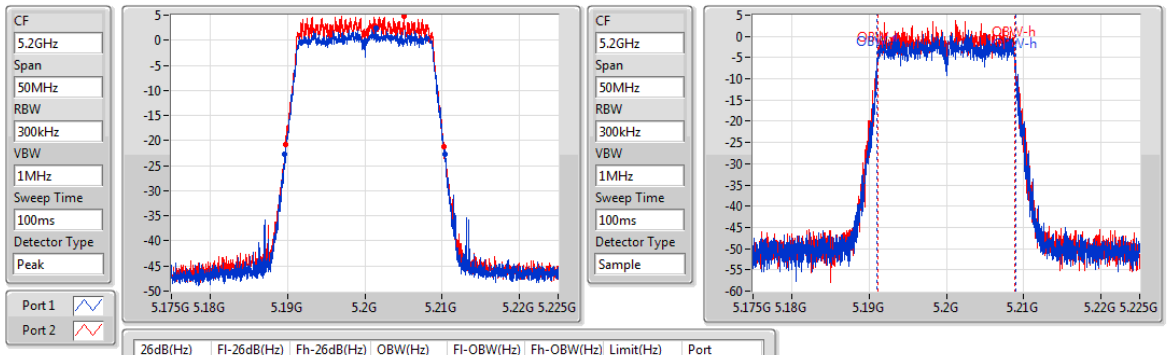
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.675M	5.169675G	5.19035G	17.75M	5.171125G	5.188875G	Inf	1
20.375M	5.16985G	5.190225G	17.75M	5.171125G	5.188875G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5200MHz

04/03/2019



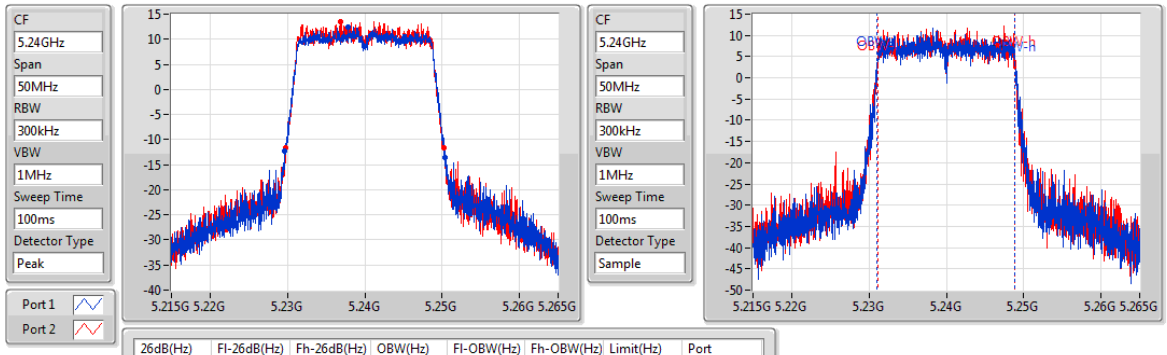
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.75M	5.189675G	5.210425G	17.85M	5.191075G	5.208925G	Inf	1
20.475M	5.189775G	5.21025G	17.775M	5.1911G	5.208875G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

EBW

5240MHz

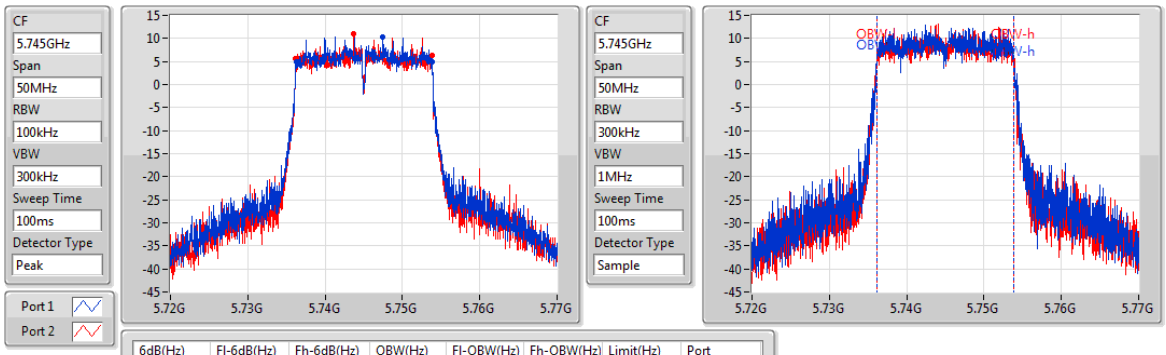
04/03/2019



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.775M	5.22965G	5.250425G	17.8M	5.231075G	5.248875G	Inf	1
20.475M	5.229725G	5.2502G	17.8M	5.2311G	5.2489G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
5745MHz
EBW

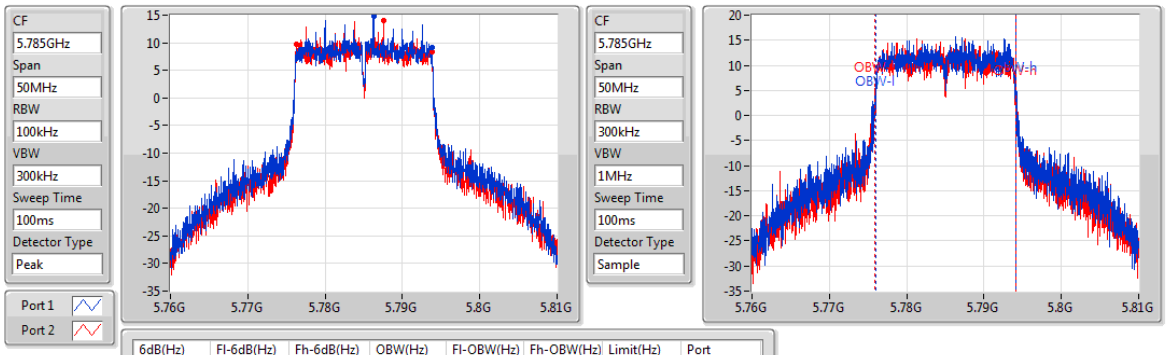
04/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.73625G	5.7538G	17.75M	5.73615G	5.7539G	500k	1
17.575M	5.736225G	5.7538G	17.775M	5.736125G	5.7539G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
5785MHz
EBW

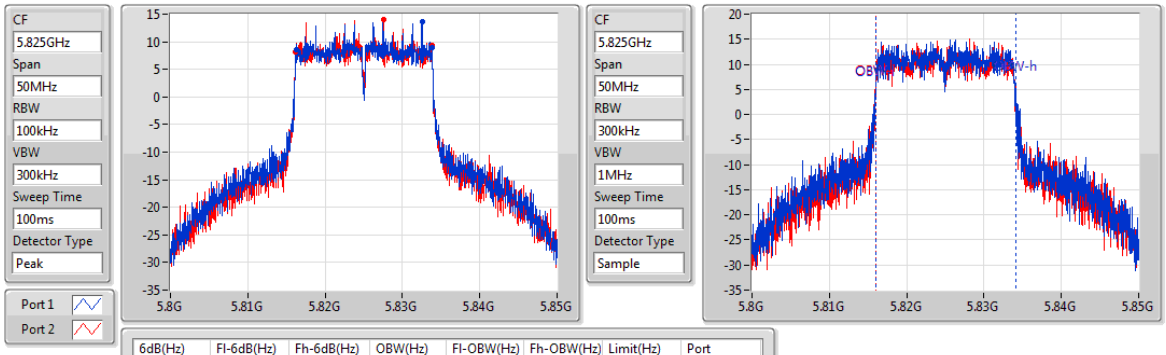
04/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.875M	5.7769G	5.793775G	18.2M	5.77595G	5.79415G	500k	1
17.575M	5.77625G	5.793825G	18.15M	5.775925G	5.794075G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX
5825MHz
EBW

04/03/2019



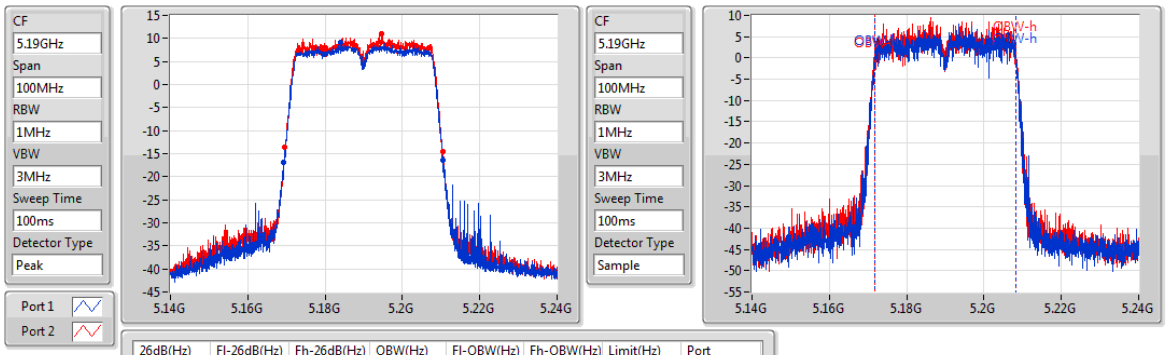
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.81625G	5.8338G	18.175M	5.81595G	5.834125G	500k	1
17.575M	5.816225G	5.8338G	18.2M	5.81595G	5.83415G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5190MHz

04/03/2019



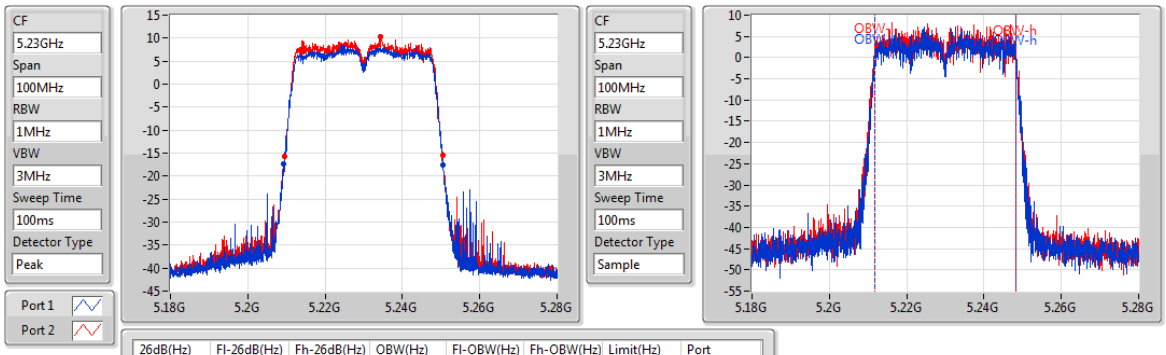
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.15M	5.1693G	5.21045G	36.6M	5.1717G	5.2083G	Inf	1
40.85M	5.1696G	5.21045G	36.5M	5.17175G	5.20825G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5230MHz

04/03/2019



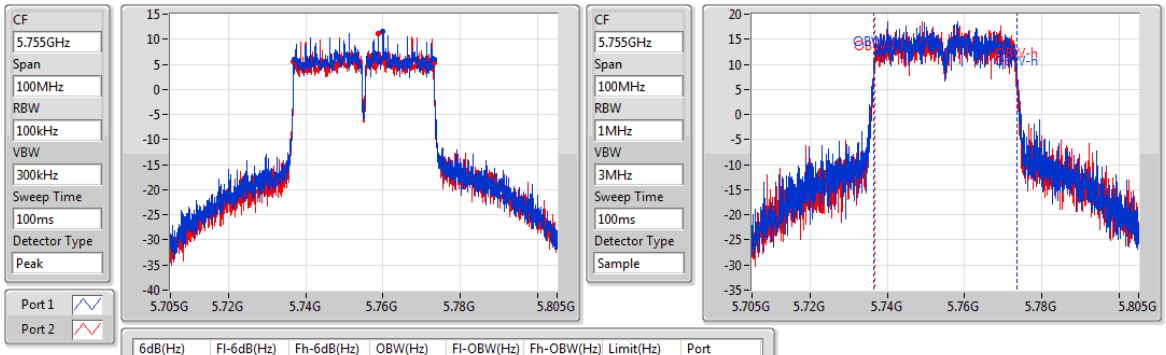
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.2M	5.20935G	5.25055G	36.55M	5.2117G	5.24825G	Inf	1
40.9M	5.20955G	5.25045G	36.6M	5.21165G	5.24825G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

EBW

5755MHz

04/03/2019

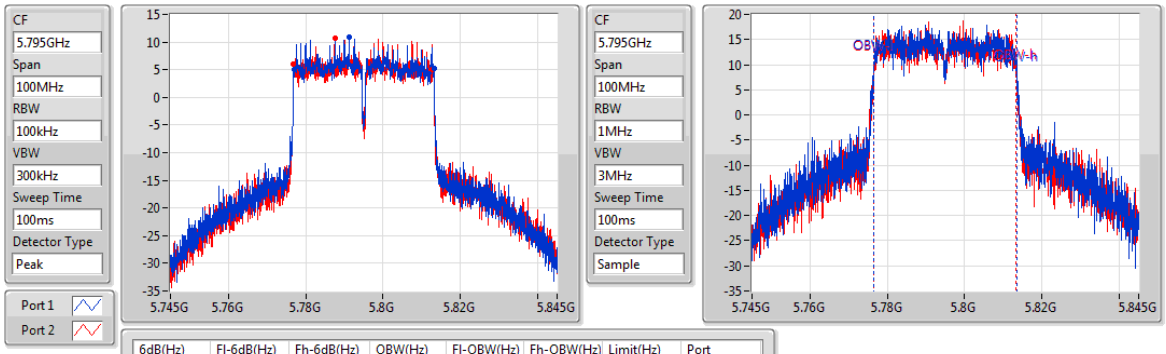


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	5.7371G	5.77315G	37.05M	5.7365G	5.77355G	500k	1
36.3M	5.73685G	5.77315G	36.8M	5.73665G	5.77345G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

5795MHz

04/03/2019

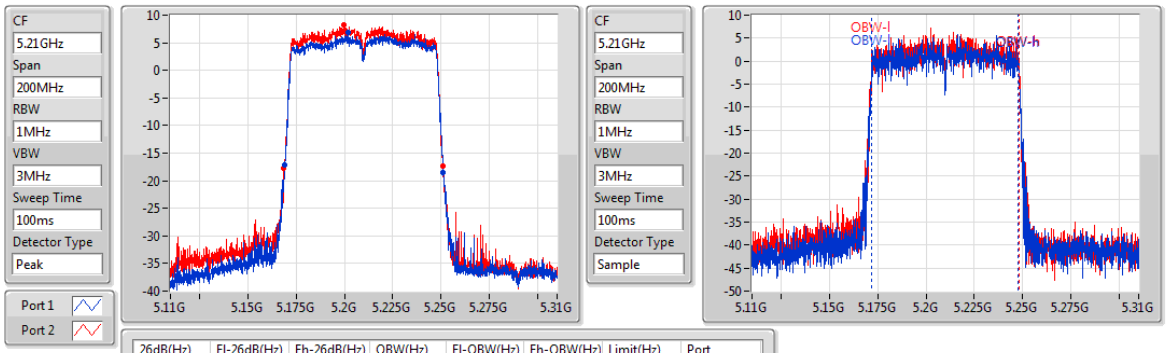


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.15M	5.77705G	5.8132G	37.15M	5.7764G	5.81355G	500k	1
35.95M	5.77685G	5.8128G	36.85M	5.7765G	5.81335G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5210MHz

04/03/2019

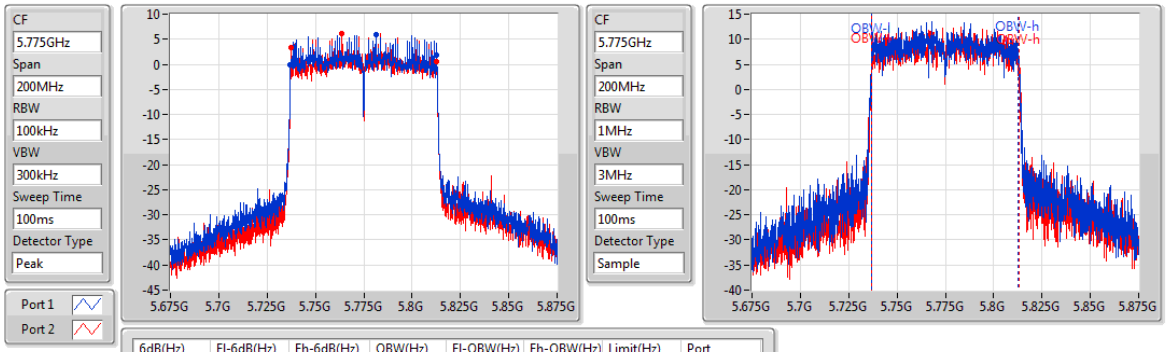


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.3M	5.1689G	5.2512G	75.8M	5.172G	5.2478G	Inf	1
82.5M	5.1686G	5.2511G	75.9M	5.172G	5.2479G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz

04/03/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.5M	5.7371G	5.8126G	75.8M	5.737G	5.8128G	500k	1
75.1M	5.7375G	5.8126G	75.8M	5.7371G	5.8129G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.08	0.16144
802.11ac VHT20_Nss1,(MCS0)_2TX	23.63	0.23067
802.11ac VHT40_Nss1,(MCS0)_2TX	18.24	0.06668
802.11ac VHT80_Nss1,(MCS0)_2TX	18.60	0.07244
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	24.69	0.29444
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	17.79	0.06012
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	19.07	0.08072
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	28.26	0.66988
802.11ac VHT20_Nss1,(MCS0)_2TX	28.12	0.64863
802.11ac VHT40_Nss1,(MCS0)_2TX	28.04	0.63680
802.11ac VHT80_Nss1,(MCS0)_2TX	26.06	0.40365
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	28.09	0.64417
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	28.12	0.64863
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	25.72	0.37325

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.00	10.91	12.53	14.81	30.00
5200MHz	Pass	3.00	10.34	12.15	14.35	30.00
5240MHz	Pass	3.00	19.41	19.48	22.46	30.00
5745MHz	Pass	3.00	24.8	24.71	27.77	30.00
5785MHz	Pass	3.00	25.33	25.17	28.26	30.00
5825MHz	Pass	3.00	25.17	25.00	28.10	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.00	13.01	13.98	16.53	30.00
5200MHz	Pass	3.00	13.66	14.83	17.29	30.00
5240MHz	Pass	3.00	20.24	20.96	23.63	30.00
5745MHz	Pass	3.00	25.28	24.93	28.12	30.00
5785MHz	Pass	3.00	25.67	24.35	28.07	30.00
5825MHz	Pass	3.00	25.49	24.22	27.91	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.00	14.79	15.04	17.93	30.00
5230MHz	Pass	3.00	15.05	15.41	18.24	30.00
5755MHz	Pass	3.00	25.16	24.9	28.04	30.00
5795MHz	Pass	3.00	24.93	24.62	27.79	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.00	15.12	16.01	18.60	30.00
5775MHz	Pass	3.00	23.85	22.06	26.06	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.01	10.02	12.54	14.47	29.99
5200MHz	Pass	6.01	11.27	12.92	15.18	29.99
5240MHz	Pass	6.01	21.59	21.76	24.69	29.99
5745MHz	Pass	6.01	22.14	21.97	25.07	29.99
5785MHz	Pass	6.01	25.49	24.45	28.01	29.99
5825MHz	Pass	6.01	24.83	25.31	28.09	29.99
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.01	14.88	14.67	17.79	29.99
5230MHz	Pass	6.01	14.18	14.83	17.53	29.99
5755MHz	Pass	6.01	25.46	24.06	27.83	29.99
5795MHz	Pass	6.01	25.21	25.00	28.12	29.99
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.01	15.18	16.79	19.07	29.99
5775MHz	Pass	6.01	22.96	22.44	25.72	29.99

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.49
802.11ac VHT20_Nss1,(MCS0)_2TX	9.86
802.11ac VHT40_Nss1,(MCS0)_2TX	1.32
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.07
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	10.56
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	1.41
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-0.50
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	11.75
802.11ac VHT20_Nss1,(MCS0)_2TX	11.41
802.11ac VHT40_Nss1,(MCS0)_2TX	8.52
802.11ac VHT80_Nss1,(MCS0)_2TX	3.86
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	11.56
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	8.56
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	3.51

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

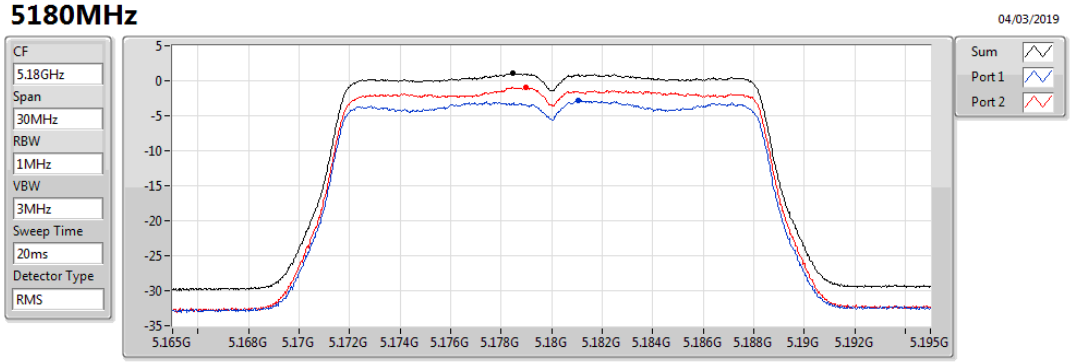
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.01	-2.79	-0.91	1.02	16.99
5200MHz	Pass	6.01	-3.41	-0.61	1.08	16.99
5240MHz	Pass	6.01	5.20	6.07	8.49	16.99
5745MHz	Pass	6.01	8.37	8.77	11.03	29.99
5785MHz	Pass	6.01	9.29	9.05	11.61	29.99
5825MHz	Pass	6.01	8.98	9.08	11.75	29.99
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.01	-1.21	0.21	2.48	16.99
5200MHz	Pass	6.01	-0.76	0.77	2.98	16.99
5240MHz	Pass	6.01	6.72	7.22	9.86	16.99
5745MHz	Pass	6.01	8.50	8.78	11.20	29.99
5785MHz	Pass	6.01	8.82	8.62	11.41	29.99
5825MHz	Pass	6.01	8.41	8.08	11.00	29.99
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.01	-2.10	-1.01	1.32	16.99
5230MHz	Pass	6.01	-2.56	-1.70	0.75	16.99
5755MHz	Pass	6.01	6.05	5.78	8.52	29.99
5795MHz	Pass	6.01	5.77	5.67	8.43	29.99
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.01	-4.39	-3.43	-1.07	16.99
5775MHz	Pass	6.01	1.26	0.96	3.86	29.99
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.01	-3.35	-1.33	0.67	16.99
5200MHz	Pass	6.01	-2.49	-0.81	1.32	16.99
5240MHz	Pass	6.01	7.48	7.73	10.56	16.99
5745MHz	Pass	6.01	6.43	6.32	8.94	29.99
5785MHz	Pass	6.01	8.97	8.80	11.56	29.99
5825MHz	Pass	6.01	8.68	8.70	11.52	29.99
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.01	-2.04	-0.95	1.41	16.99
5230MHz	Pass	6.01	-2.49	-1.56	0.81	16.99
5755MHz	Pass	6.01	6.02	5.78	8.56	29.99
5795MHz	Pass	6.01	6.09	5.70	8.52	29.99
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	6.01	-3.89	-3.13	-0.50	16.99
5775MHz	Pass	6.01	0.99	0.68	3.51	29.99

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

802.11a_Nss1,(6Mbps)_2TX **PSD**

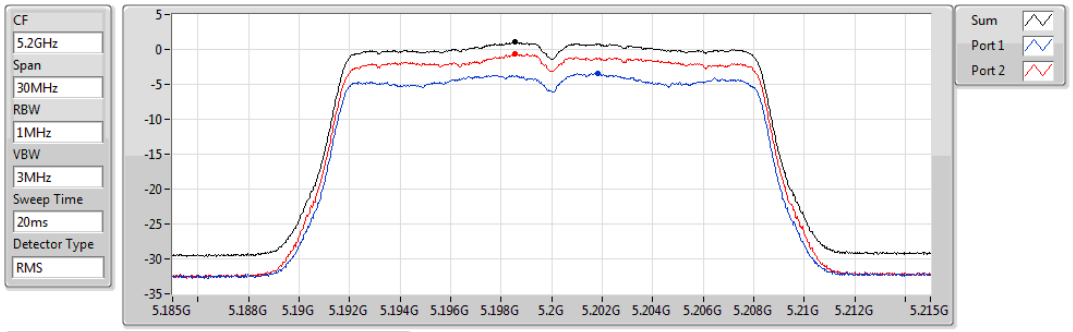
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02	-2.79	-0.91

802.11a_Nss1,(6Mbps)_2TX **PSD**

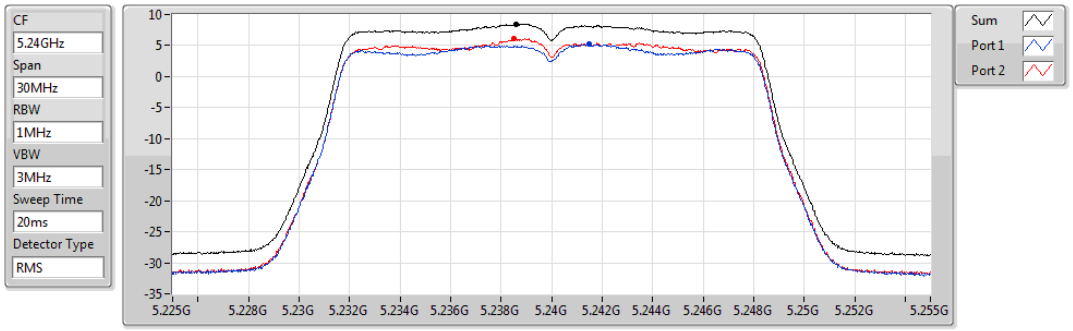
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.08	1.08	-3.41	-0.61

802.11a_Nss1,(6Mbps)_2TX **PSD**

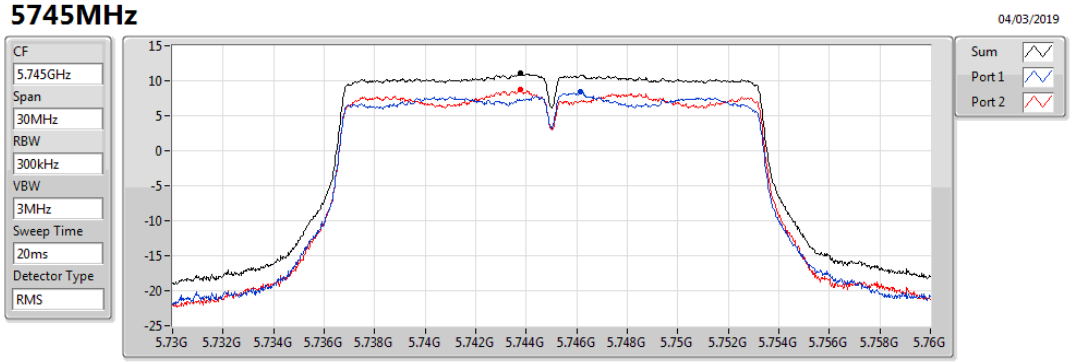
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.49	8.49	5.20	6.07

802.11a_Nss1,(6Mbps)_2TX **PSD**

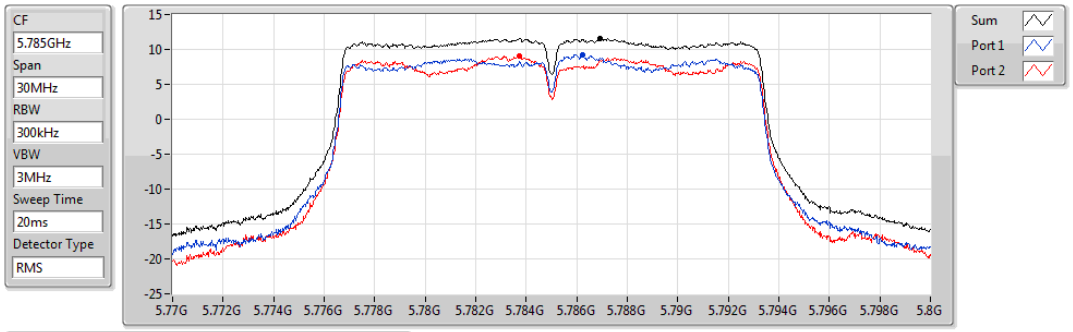
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.03	11.03	8.37	8.77

802.11a_Nss1,(6Mbps)_2TX **PSD**

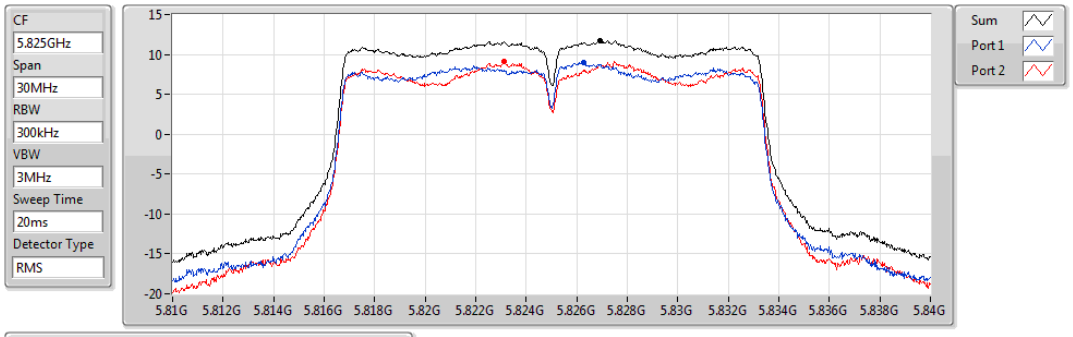
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.61	11.61	9.29	9.05

802.11a_Nss1,(6Mbps)_2TX **PSD**

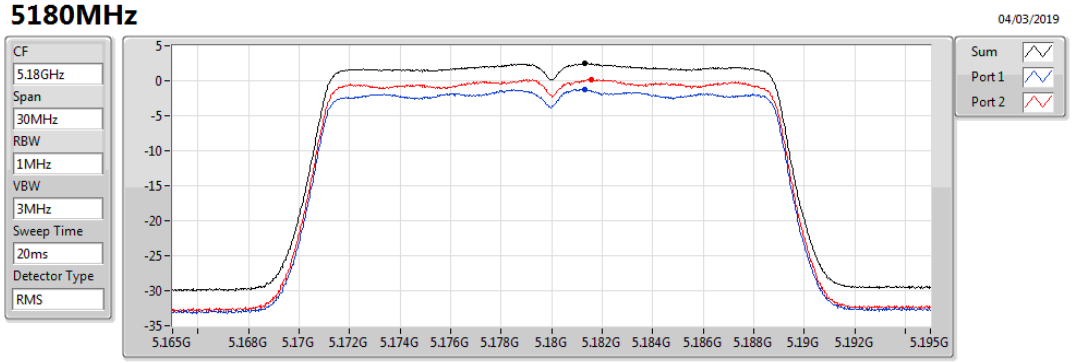
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.75	11.75	8.98	9.08

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

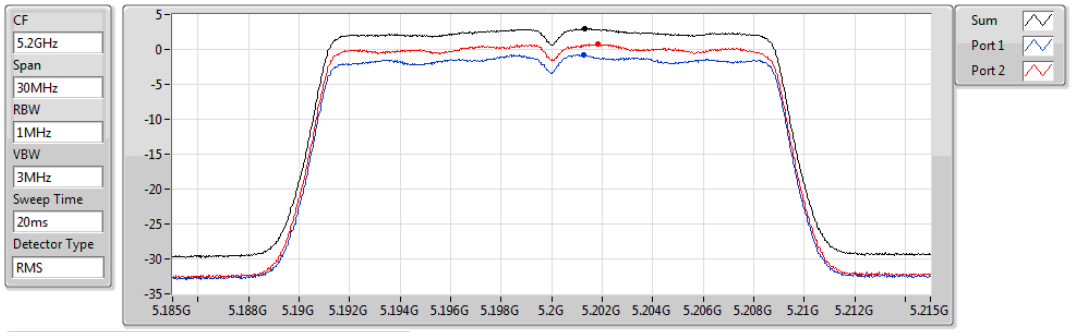
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.48	2.48	-1.21	0.21

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

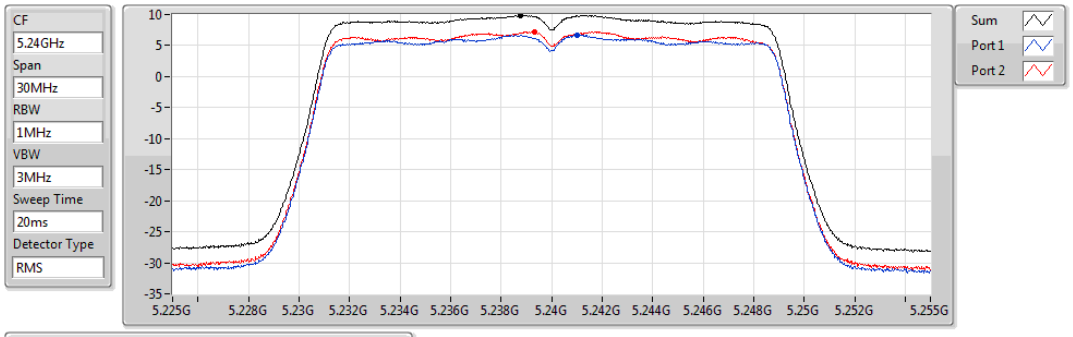
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.98	2.98	-0.76	0.77

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

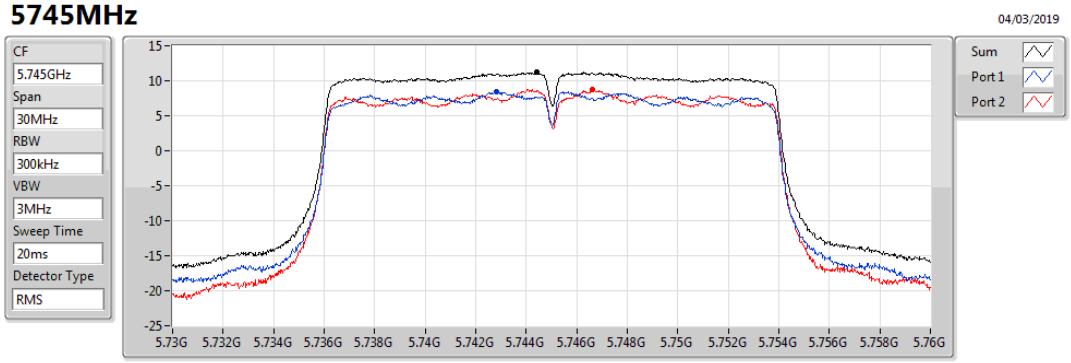
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.86	9.86	6.72	7.22

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

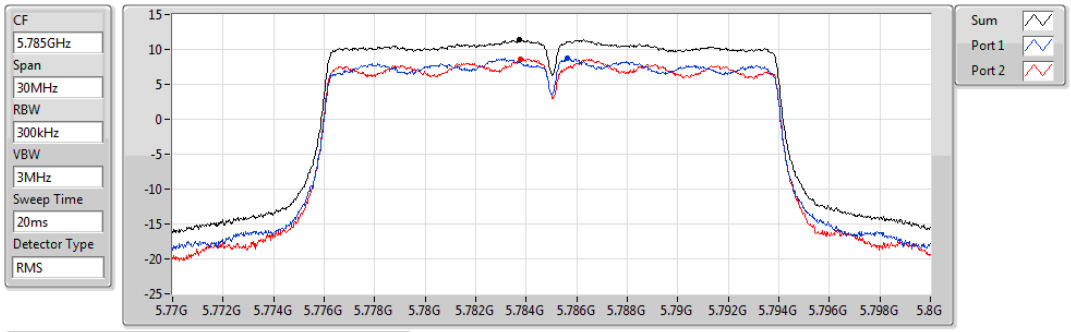
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.20	11.20	8.50	8.78

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

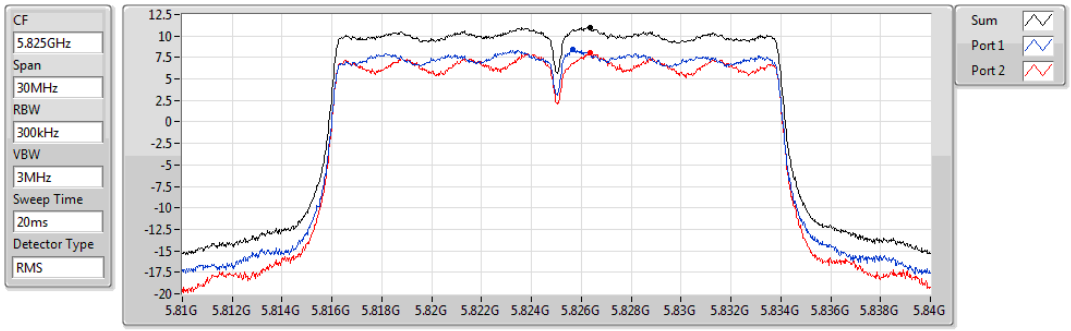
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.41	11.41	8.82	8.62

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

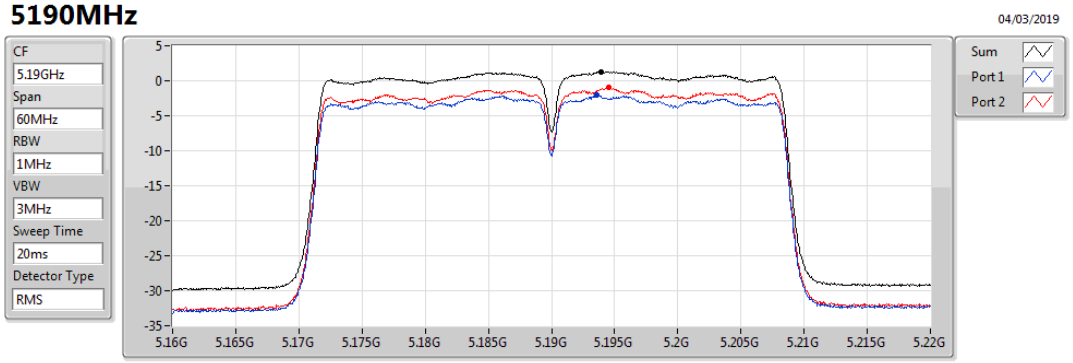
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.00	11.00	8.41	8.08

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

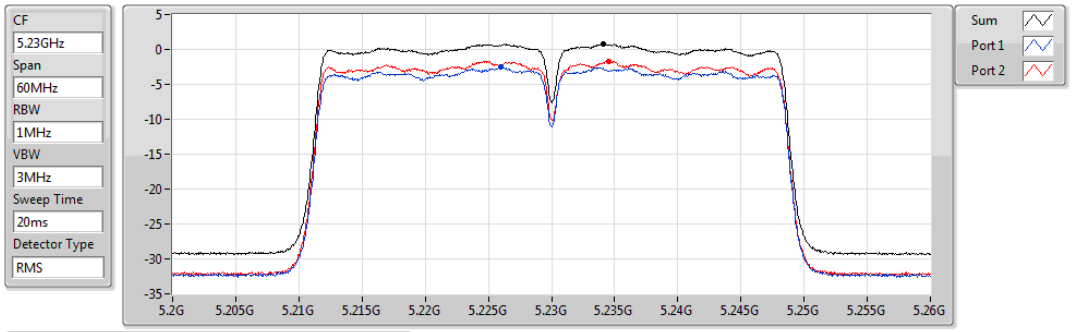
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	-2.10	-1.01

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

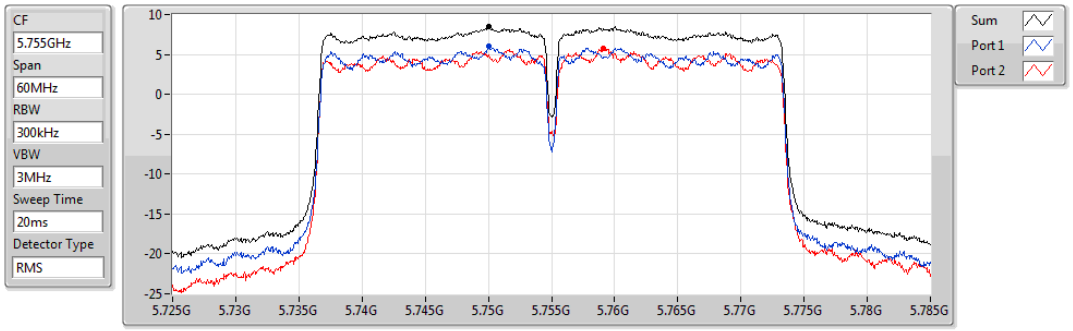
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.75	0.75	-2.56	-1.70

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

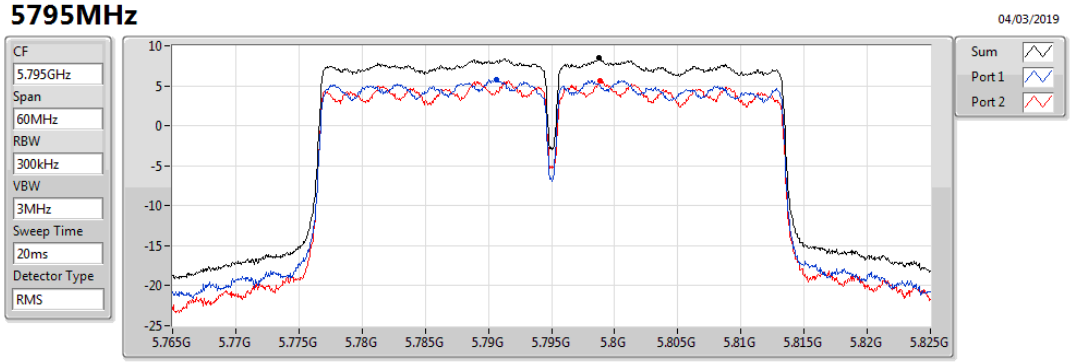
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.52	8.52	6.05	5.78

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

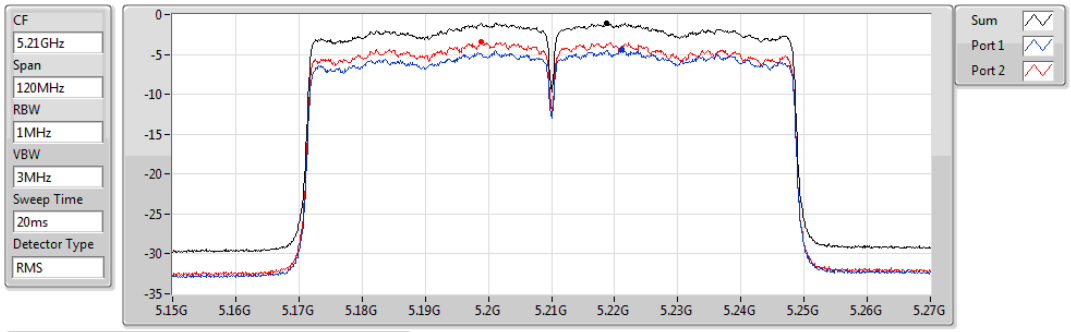
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.43	8.43	5.77	5.67

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

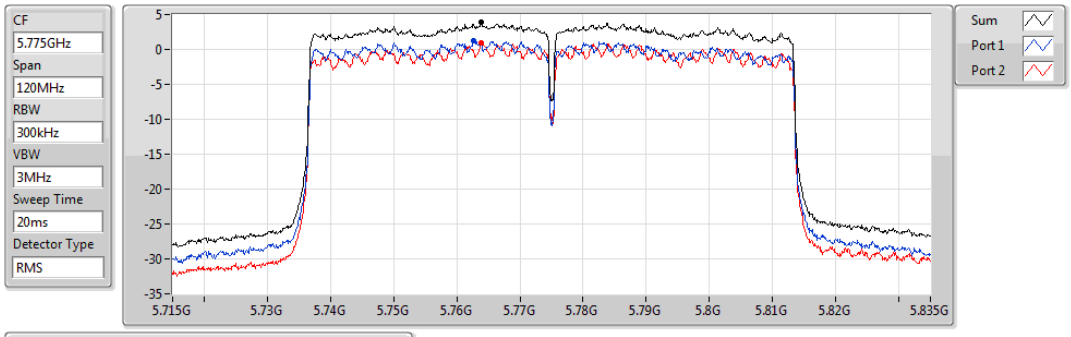
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.07	-1.07	-4.39	-3.43

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

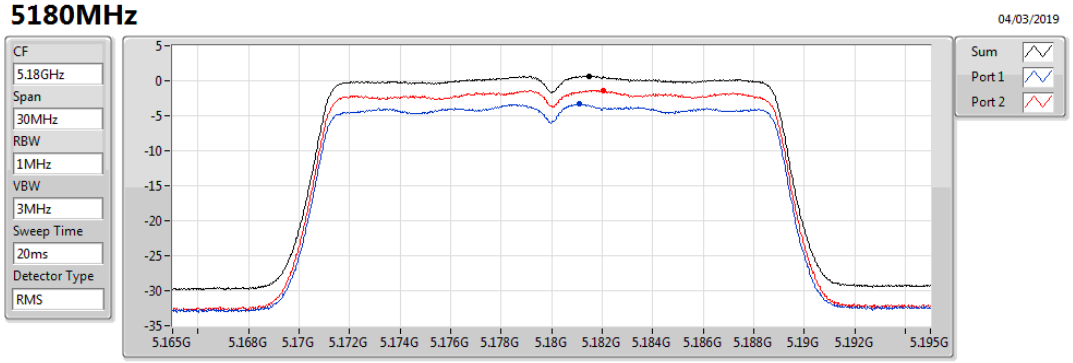
5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.86	3.86	1.26	0.96

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

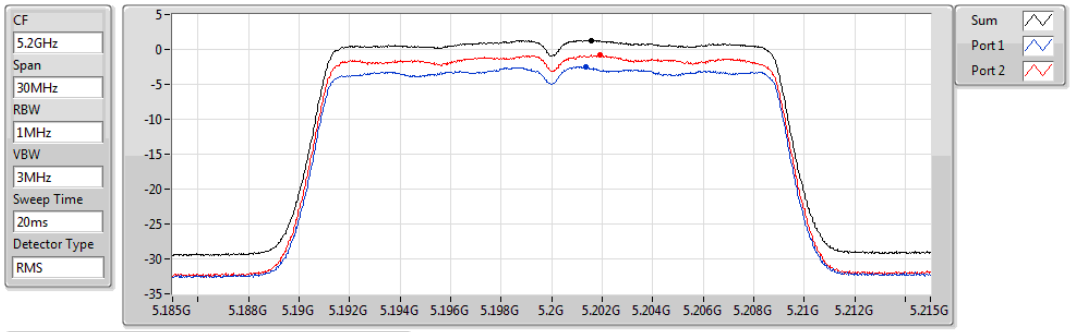
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.67	0.67	-3.35	-1.33

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

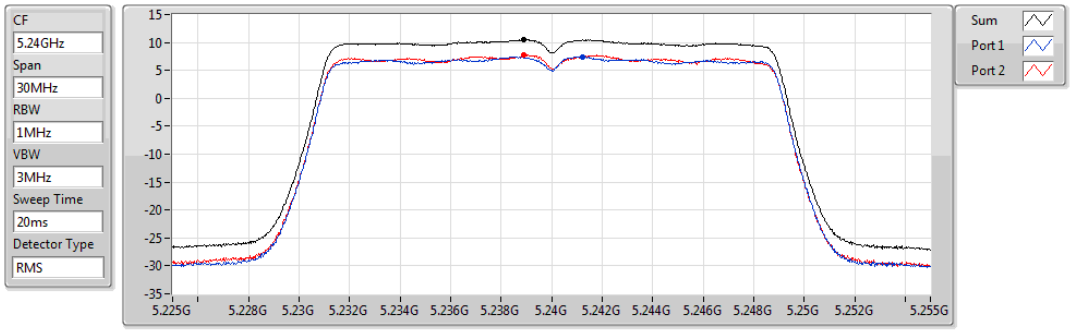
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.32	1.32	-2.49	-0.81

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

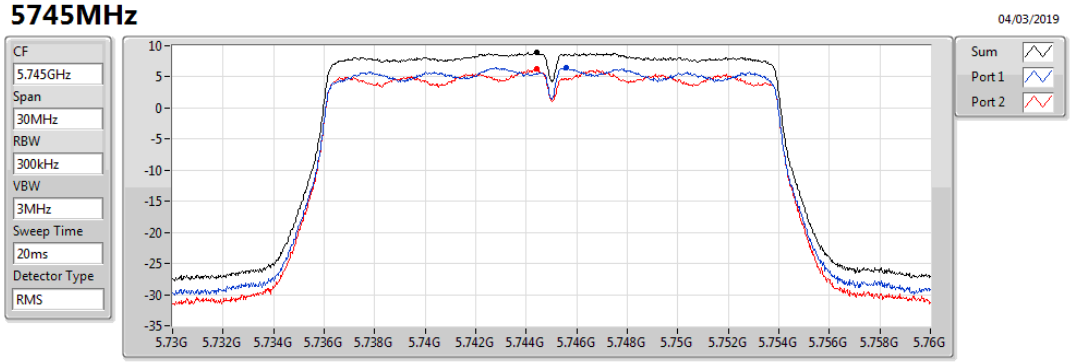
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.56	10.56	7.48	7.73

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **PSD**

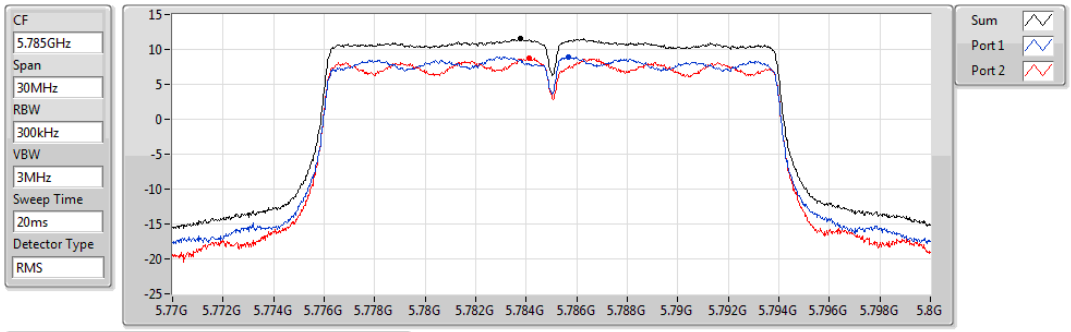
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.94	8.94	6.43	6.32

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **PSD**

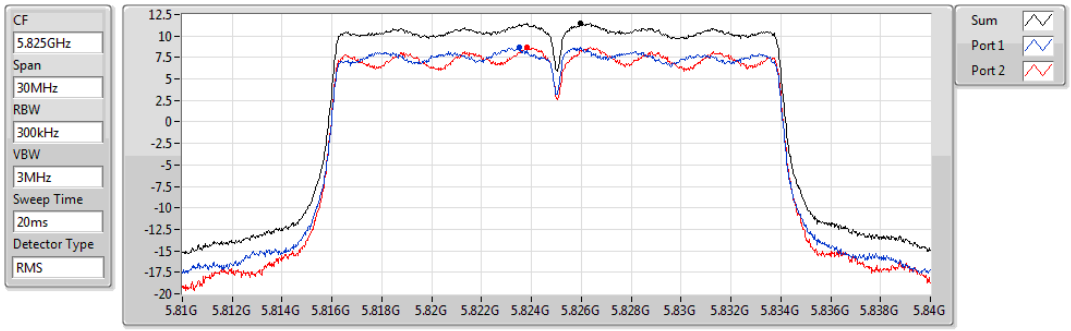
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.56	11.56	8.97	8.80

802.11ac VHT20-BF_Nss1,(MCS0)_2TX **PSD**

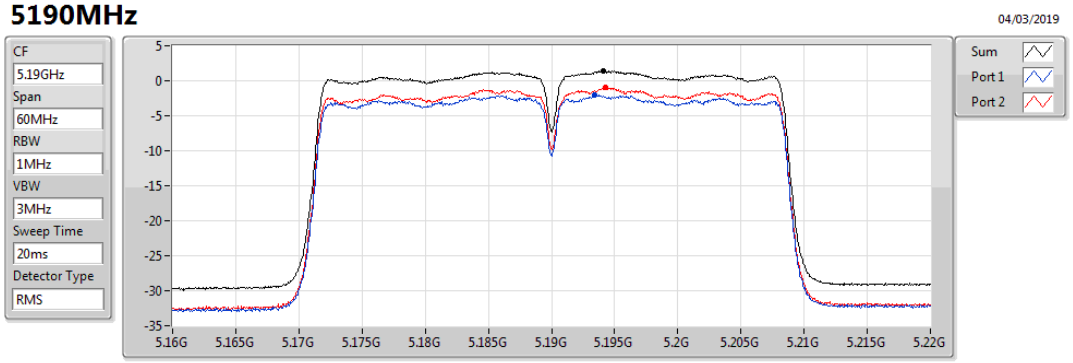
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.52	11.52	8.68	8.70

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **PSD**

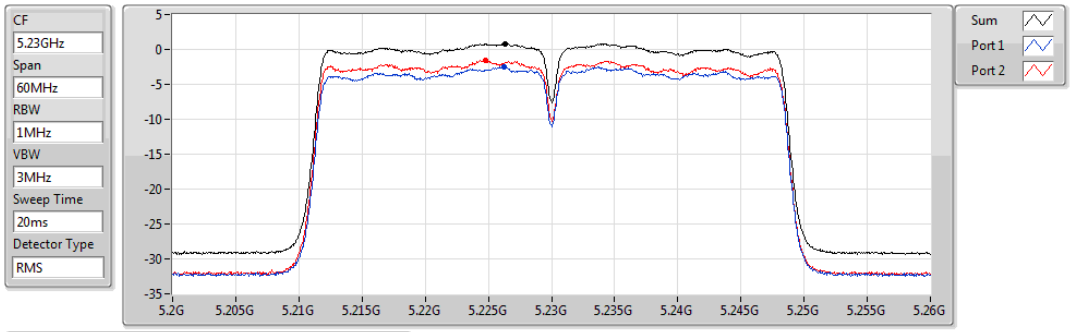
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.41	1.41	-2.04	-0.95

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **PSD**

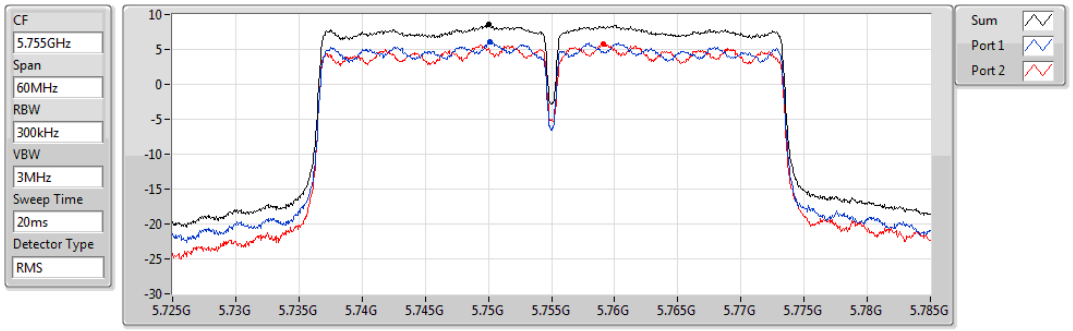
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.81	0.81	-2.49	-1.56

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **PSD**

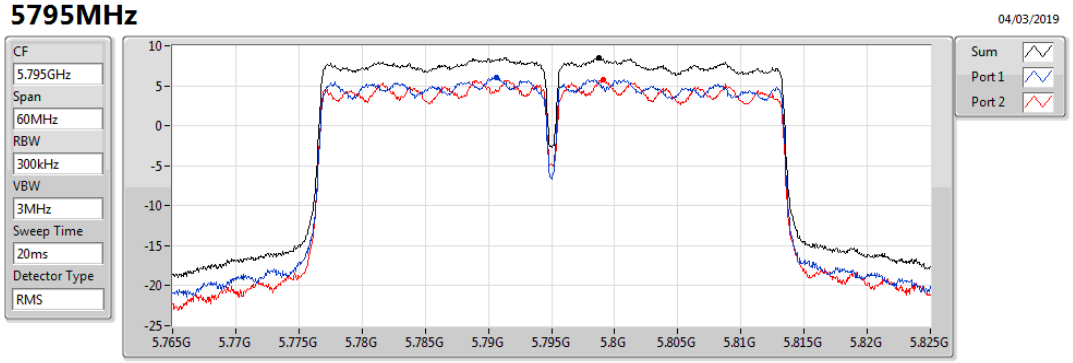
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.56	8.56	6.02	5.78

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

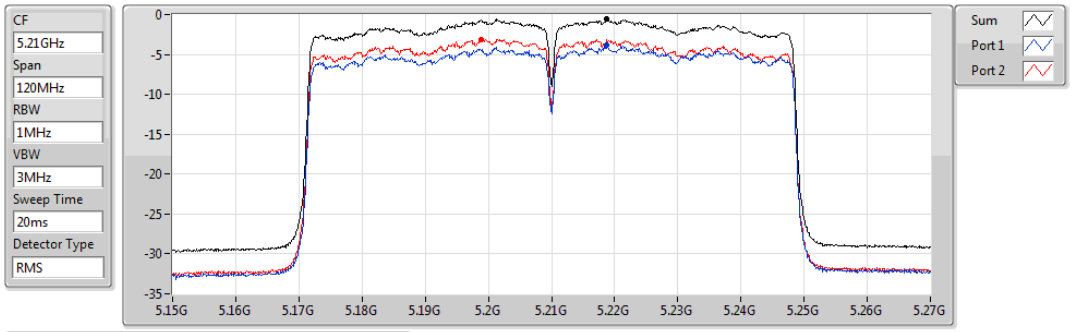
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.52	8.52	6.09	5.70

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

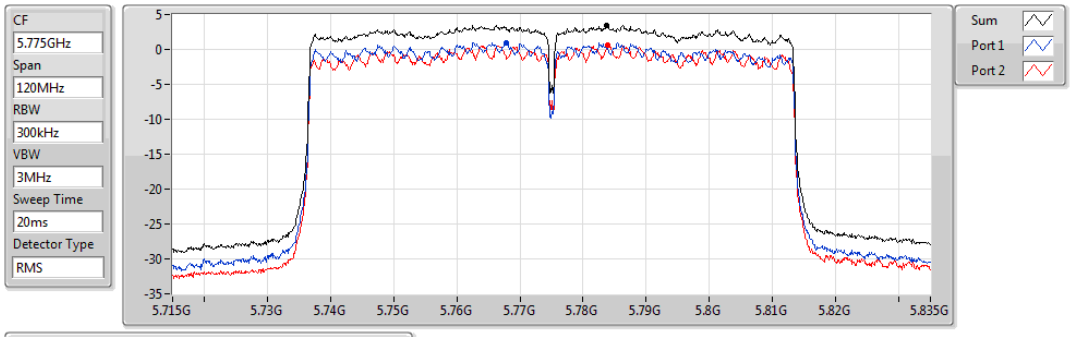
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.50	-0.50	-3.89	-3.13

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

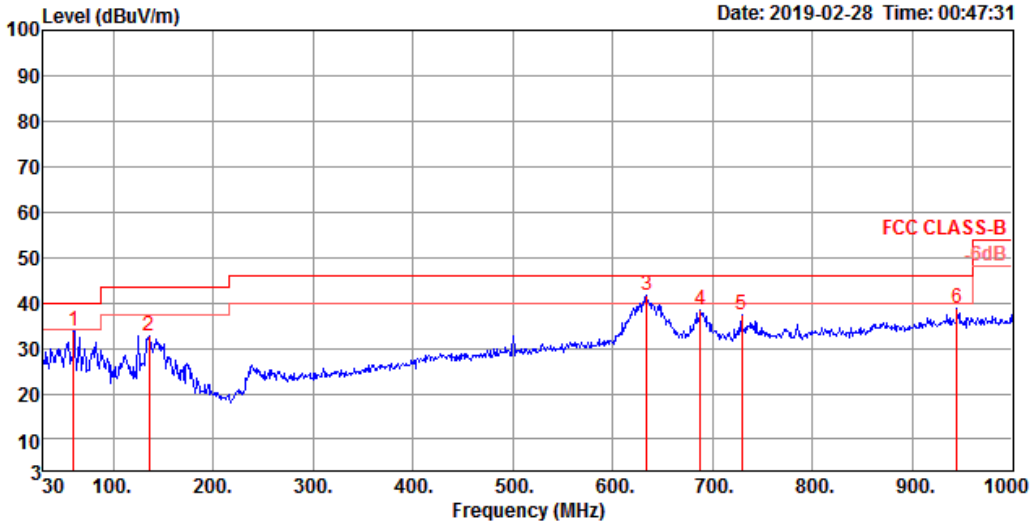
5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.51	3.51	0.99	0.68

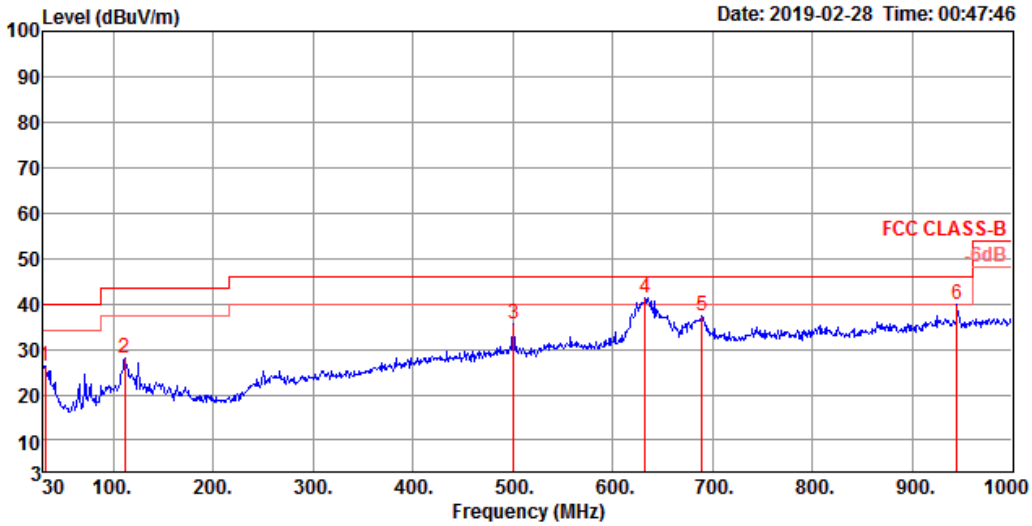
Test Mode	Mode 2	Frequency Range	30 MHz to 1,000 MHz

Vertical 30 MHz to 1,000 MHz



	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	60.07	33.72	40.00	-6.28	53.02	1.12	12.16	32.58	100	188	Peak	VERTICAL
2	135.73	32.67	43.50	-10.83	45.91	1.85	17.43	32.52	100	214	Peak	VERTICAL
3	634.31	41.52	46.00	-4.48	44.52	4.90	24.62	32.52	125	85	Peak	VERTICAL
4	687.66	38.30	46.00	-7.70	40.85	5.21	24.74	32.50	100	136	Peak	VERTICAL
5	729.37	37.53	46.00	-8.47	39.60	5.30	25.09	32.46	125	124	Peak	VERTICAL
6	944.71	38.91	46.00	-7.09	37.61	6.29	26.41	31.40	100	55	Peak	VERTICAL

Horizontal 30MHz to 1,000 MHz



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	31.94	26.38	40.00	-13.62	35.22	0.67	23.09	32.60	100	273	Peak	HORIZONTAL
2	111.48	27.92	43.50	-15.58	41.21	1.62	17.63	32.54	100	106	Peak	HORIZONTAL
3	500.45	35.46	46.00	-10.54	40.60	4.11	23.19	32.44	100	294	Peak	HORIZONTAL
4	632.37	41.43	46.00	-4.57	44.46	4.88	24.61	32.52	100	192	Peak	HORIZONTAL
5	689.60	37.21	46.00	-8.79	39.75	5.22	24.74	32.50	200	177	Peak	HORIZONTAL
6	944.71	39.82	46.00	-6.18	38.52	6.29	26.41	31.40	200	2	Peak	HORIZONTAL

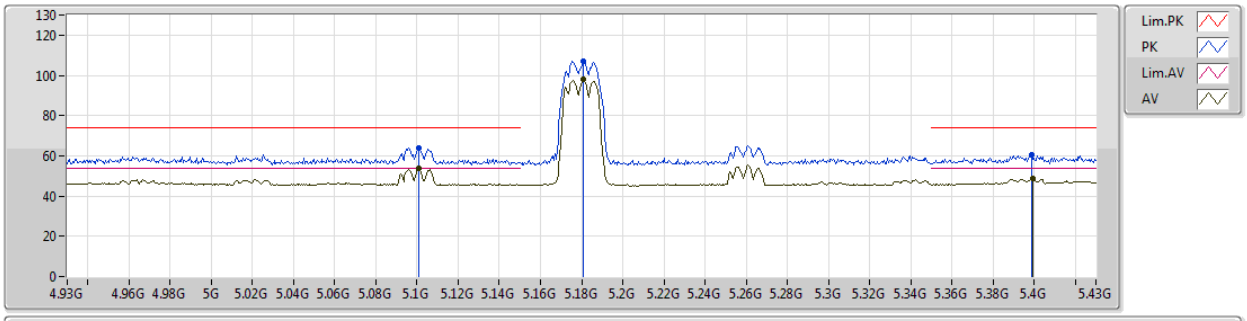
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	Pass	PK	5.6585G	74.45	74.49	-0.04	6.36	3	Vertical	266	1.58	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

02/03/2019



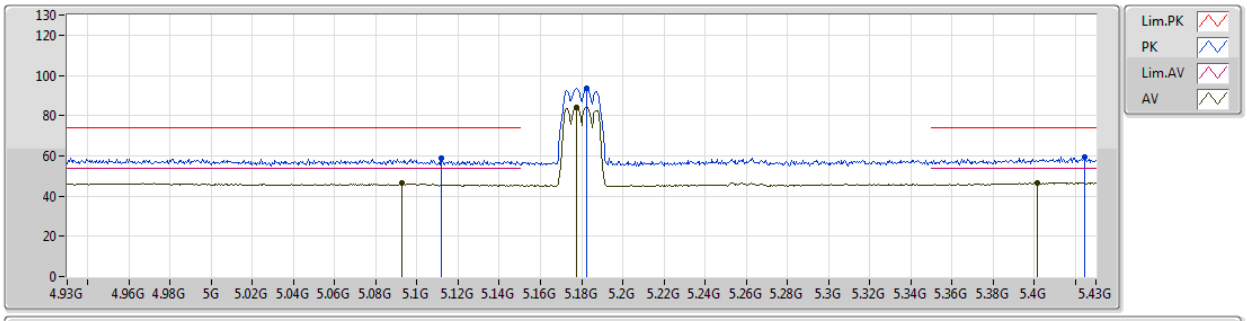
EUT Y_2TX
Setting 45
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.101G	63.74	74.00	-10.26	5.74	3	Vertical	260	1.64	-
AV	5.101G	53.84	54.00	-0.16	5.74	3	Vertical	260	1.64	-
PK	5.181G	107.19	Inf	-Inf	5.87	3	Vertical	260	1.64	-
AV	5.181G	97.93	Inf	-Inf	5.87	3	Vertical	260	1.64	-
PK	5.399G	60.53	74.00	-13.47	6.40	3	Vertical	260	1.64	-
AV	5.3995G	48.56	54.00	-5.44	6.40	3	Vertical	260	1.64	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

02/03/2019



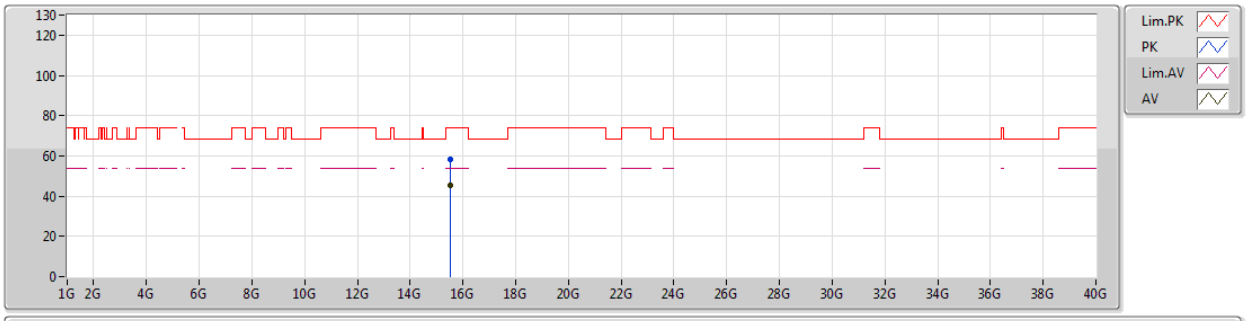
EUT Y_2TX
Setting 45
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.112G	58.60	74.00	-15.40	5.76	3	Horizontal	238	1.39	-
AV	5.0925G	46.42	54.00	-7.58	5.72	3	Horizontal	238	1.39	-
PK	5.1825G	93.43	Inf	-Inf	5.88	3	Horizontal	238	1.39	-
AV	5.1775G	84.26	Inf	-Inf	5.87	3	Horizontal	238	1.39	-
PK	5.4245G	59.43	74.00	-14.57	6.42	3	Horizontal	238	1.39	-
AV	5.4015G	46.54	54.00	-7.46	6.40	3	Horizontal	238	1.39	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

02/03/2019



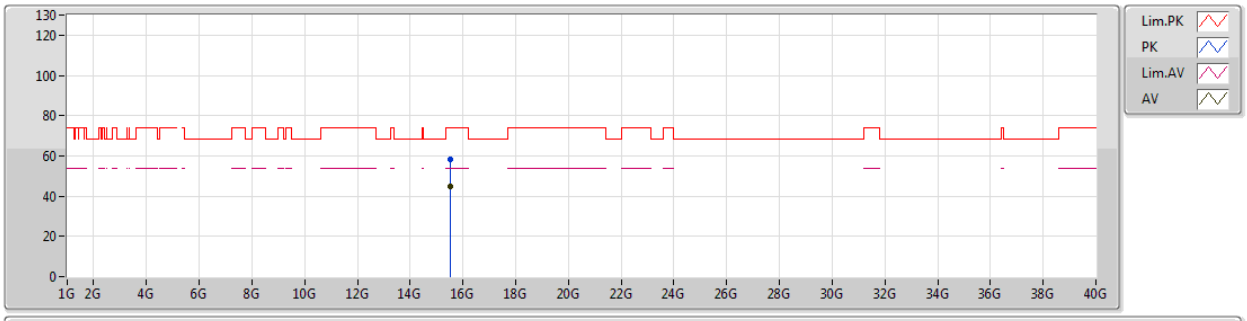
EUT Y_2TX
Setting 45
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53787G	58.37	74.00	-15.63	15.27	3	Vertical	321	1.37	-
AV	15.53529G	45.13	54.00	-8.87	15.27	3	Vertical	321	1.37	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

02/03/2019



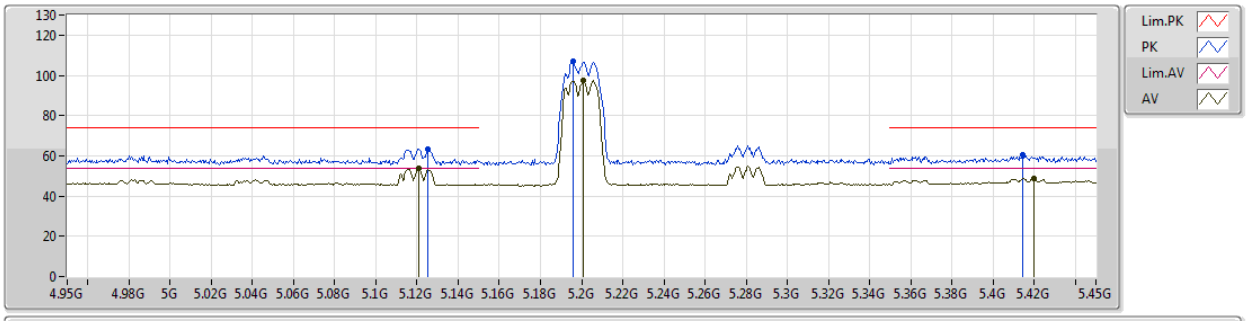
EUT Y_2TX
Setting 45
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.52692G	58.06	74.00	-15.94	15.31	3	Horizontal	270	1.25	-
AV	15.52734G	45.06	54.00	-8.94	15.31	3	Horizontal	270	1.25	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

02/03/2019



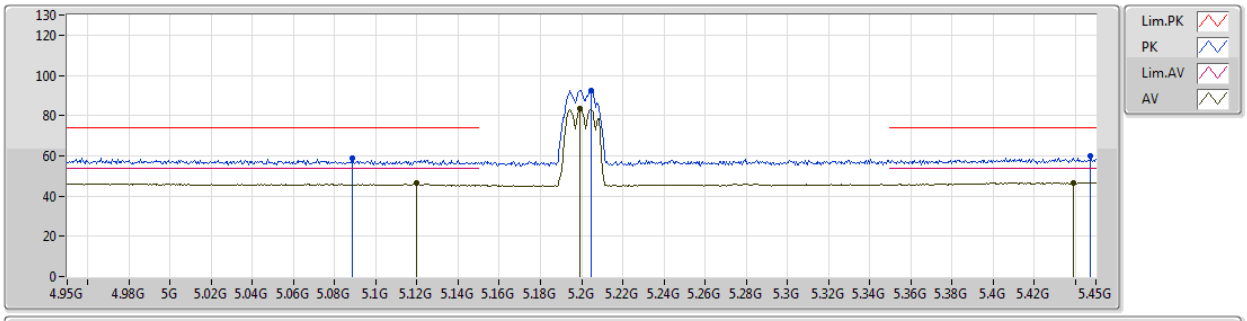
EUT Y_2TX
Setting 45
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1255G	63.59	74.00	-10.41	5.79	3	Vertical	265	1.73	-
AV	5.121G	53.77	54.00	-0.23	5.78	3	Vertical	265	1.73	-
PK	5.196G	106.91	Inf	-Inf	5.91	3	Vertical	265	1.73	-
AV	5.201G	97.63	Inf	-Inf	5.91	3	Vertical	265	1.73	-
PK	5.4145G	60.25	74.00	-13.75	6.41	3	Vertical	265	1.73	-
AV	5.42G	48.63	54.00	-5.37	6.42	3	Vertical	265	1.73	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

02/03/2019



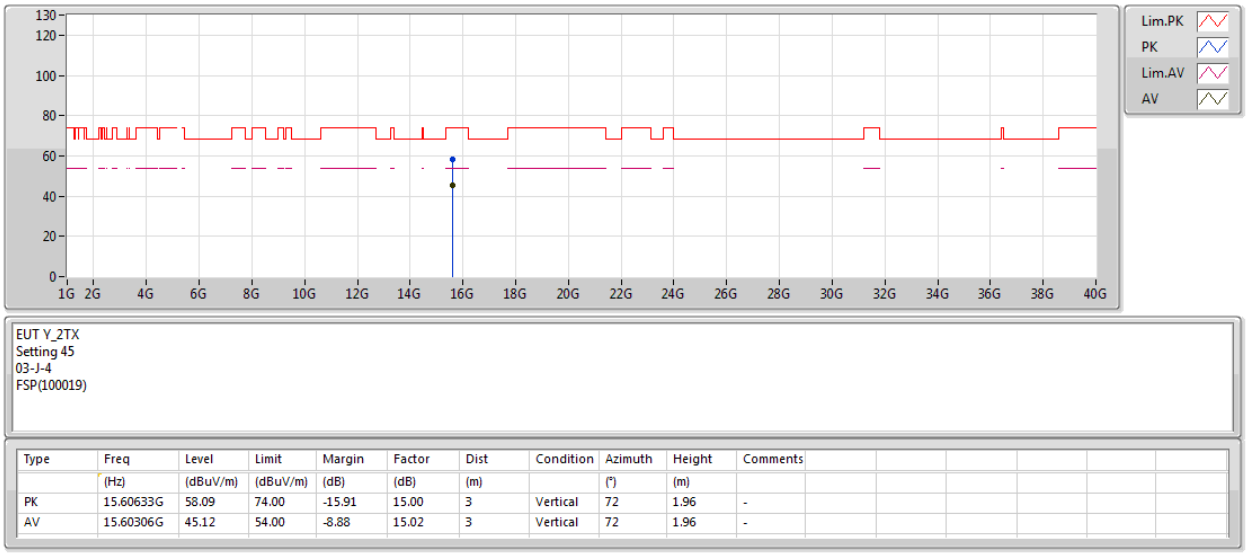
EUT Y_2TX
Setting 45
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0885G	59.01	74.00	-14.99	5.72	3	Horizontal	298	1.66	-
AV	5.1195G	46.32	54.00	-7.68	5.78	3	Horizontal	298	1.66	-
PK	5.2045G	92.66	Inf	-Inf	5.92	3	Horizontal	298	1.66	-
AV	5.199G	83.65	Inf	-Inf	5.91	3	Horizontal	298	1.66	-
PK	5.4475G	60.03	74.00	-13.97	6.45	3	Horizontal	298	1.66	-
AV	5.439G	46.75	54.00	-7.25	6.44	3	Horizontal	298	1.66	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

02/03/2019



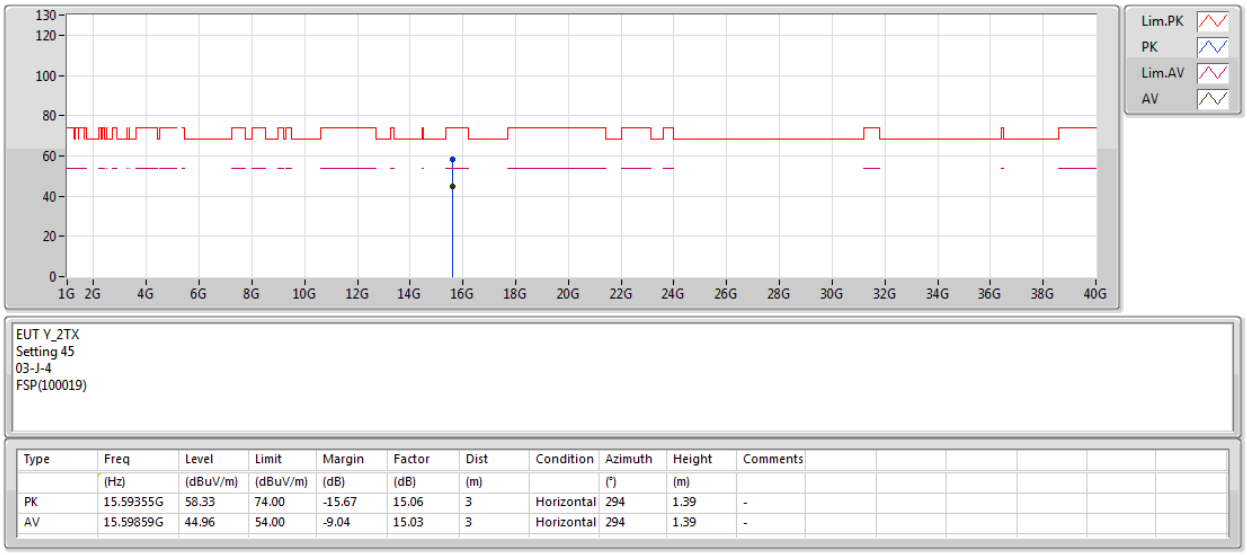
EUT Y_2TX
Setting 45
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.60633G	58.09	74.00	-15.91	15.00	3	Vertical	72	1.96	-
AV	15.60306G	45.12	54.00	-8.88	15.02	3	Vertical	72	1.96	-

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

02/03/2019



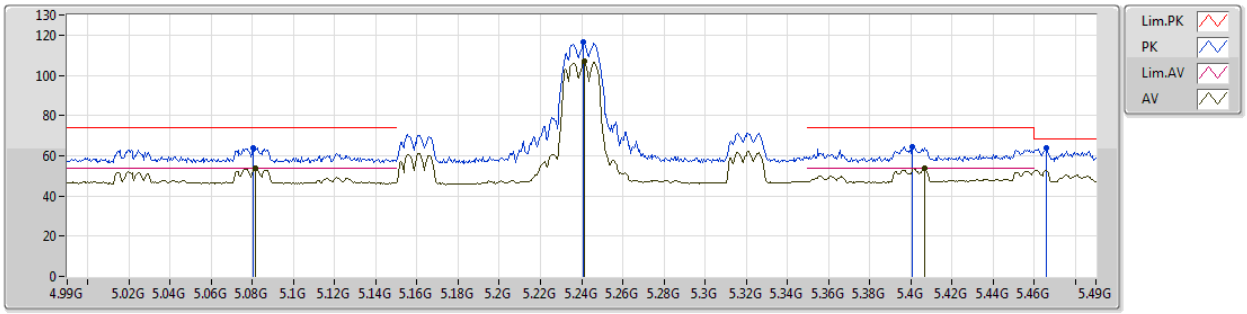
EUT Y_2TX
Setting 45
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.59355G	58.33	74.00	-15.67	15.06	3	Horizontal	294	1.39	-
AV	15.59859G	44.96	54.00	-9.04	15.03	3	Horizontal	294	1.39	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

02/03/2019



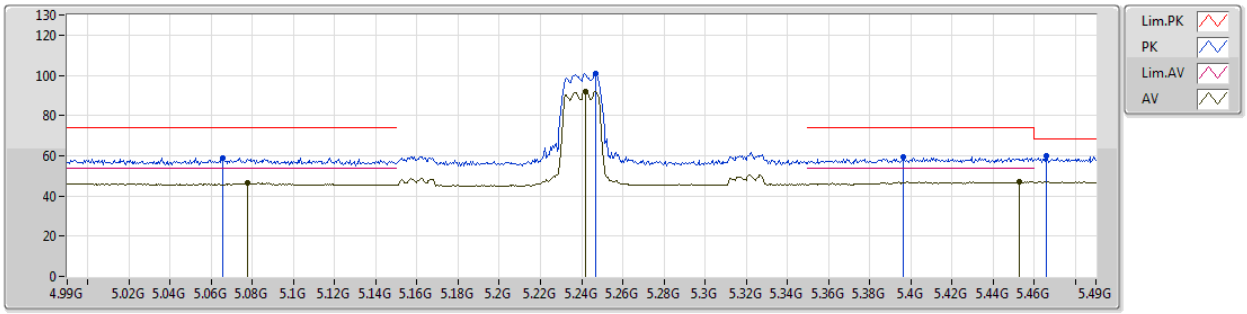
EUT Y_2TX
Setting 74
03-C-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0805G	63.78	74.00	-10.22	5.70	3	Vertical	264	1.50	-
AV	5.0815G	53.57	54.00	-0.43	5.70	3	Vertical	264	1.50	-
PK	5.241G	116.35	Inf	-Inf	6.04	3	Vertical	264	1.50	-
AV	5.2415G	106.75	Inf	-Inf	6.04	3	Vertical	264	1.50	-
PK	5.4005G	64.48	74.00	-9.52	6.40	3	Vertical	264	1.50	-
AV	5.4065G	53.67	54.00	-0.33	6.41	3	Vertical	264	1.50	-
PK	5.466G	63.66	68.20	-4.54	6.46	3	Vertical	264	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

02/03/2019



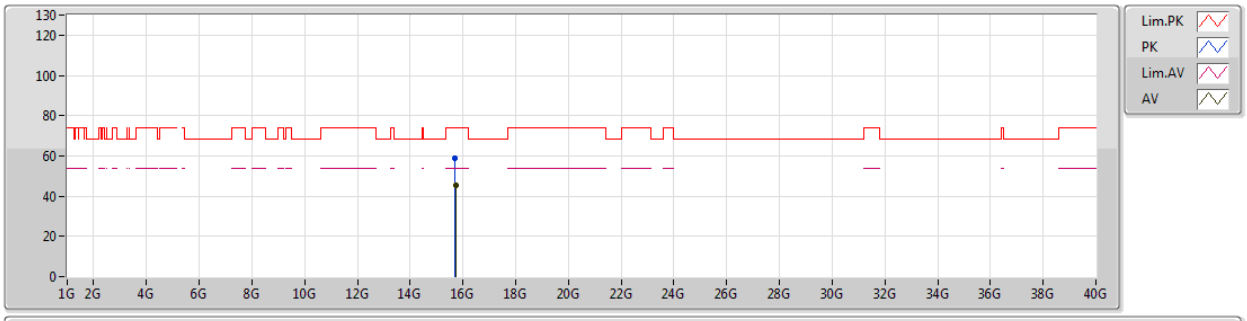
EUT Y_2TX
Setting 74
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0655G	59.05	74.00	-14.95	5.68	3	Horizontal	242	1.68	-
AV	5.0775G	46.54	54.00	-7.46	5.70	3	Horizontal	242	1.68	-
PK	5.247G	100.84	Inf	-Inf	6.05	3	Horizontal	242	1.68	-
AV	5.242G	91.89	Inf	-Inf	6.04	3	Horizontal	242	1.68	-
PK	5.3965G	59.30	74.00	-14.70	6.40	3	Horizontal	242	1.68	-
AV	5.453G	47.21	54.00	-6.79	6.44	3	Horizontal	242	1.68	-
PK	5.466G	60.04	68.20	-8.16	6.46	3	Horizontal	242	1.68	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

02/03/2019



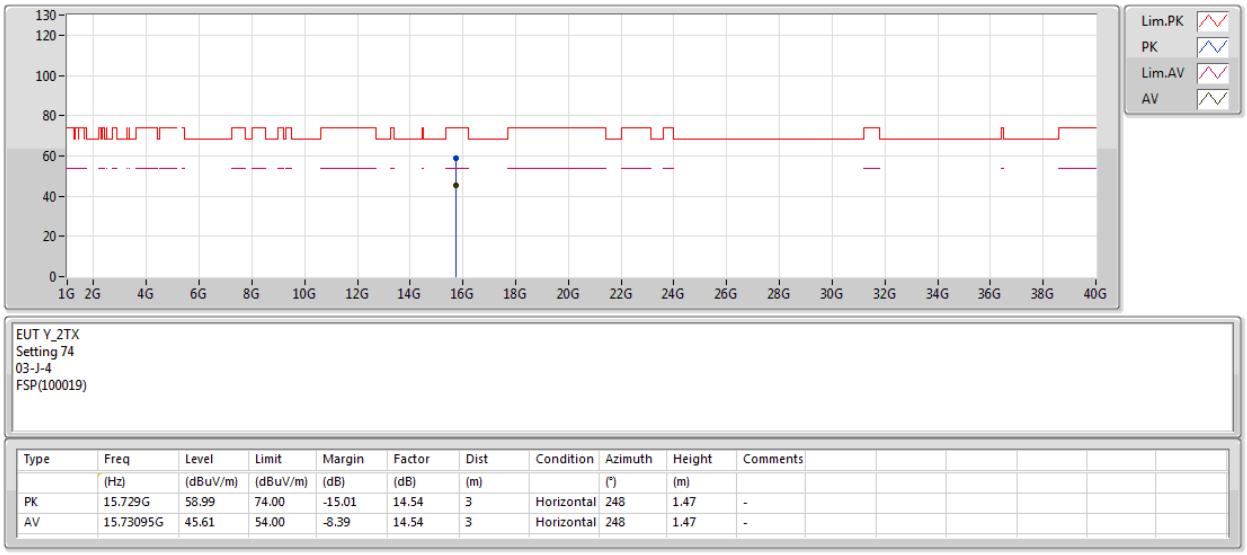
EUT Y_2TX
Setting 74
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.70863G	58.78	74.00	-15.22	14.62	3	Vertical	36	1.42	-
AV	15.73044G	45.62	54.00	-8.38	14.54	3	Vertical	36	1.42	-

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

02/03/2019



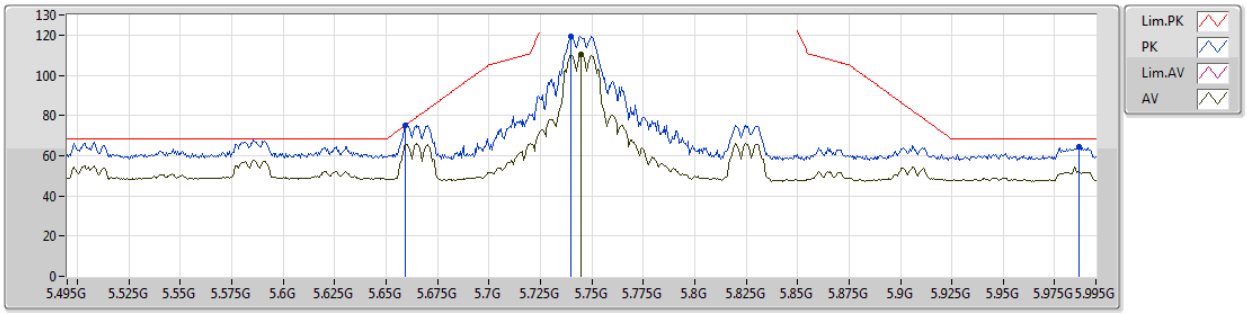
EUT Y_2TX
Setting 74
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.729G	58.99	74.00	-15.01	14.54	3	Horizontal	248	1.47	-
AV	15.73095G	45.61	54.00	-8.39	14.54	3	Horizontal	248	1.47	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

02/03/2019



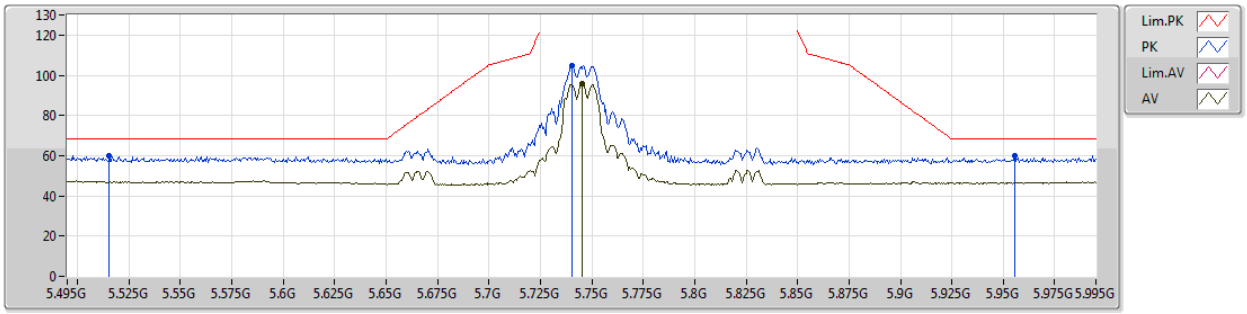
EUT Y_2TX
Setting 96
03-C-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6595G	75.00	75.23	-0.23	6.37	3	Vertical	269	1.50	-
PK	5.74G	119.22	Inf	-Inf	6.40	3	Vertical	269	1.50	-
AV	5.7445G	110.52	Inf	-Inf	6.41	3	Vertical	269	1.50	-
PK	5.987G	64.41	68.20	-3.79	7.03	3	Vertical	269	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

02/03/2019



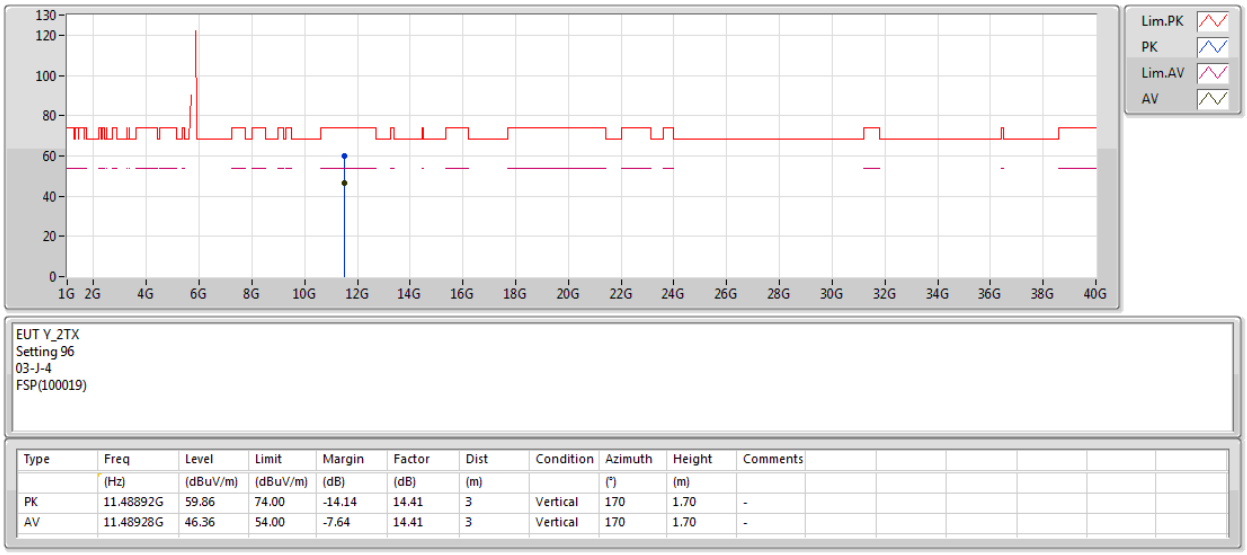
EUT Y_2TX
Setting 96
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5155G	59.86	68.20	-8.34	6.47	3	Horizontal	248	1.53	-
PK	5.7405G	104.82	Inf	-Inf	6.40	3	Horizontal	248	1.53	-
AV	5.7455G	95.56	Inf	-Inf	6.41	3	Horizontal	248	1.53	-
PK	5.9555G	59.81	68.20	-8.39	6.92	3	Horizontal	248	1.53	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

02/03/2019



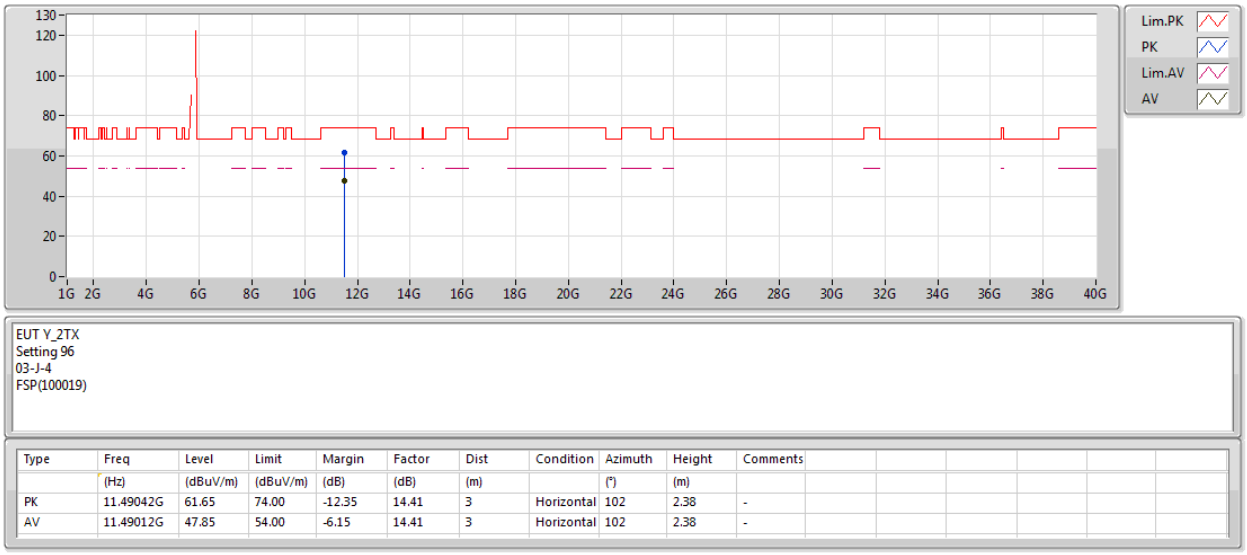
EUT Y_2TX
Setting 96
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48892G	59.86	74.00	-14.14	14.41	3	Vertical	170	1.70	-
AV	11.48928G	46.36	54.00	-7.64	14.41	3	Vertical	170	1.70	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

02/03/2019



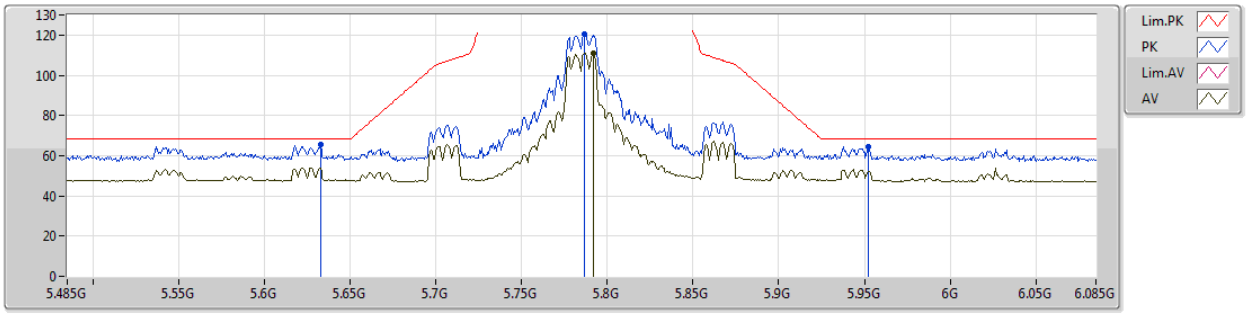
EUT Y_2TX
Setting 96
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49042G	61.65	74.00	-12.35	14.41	3	Horizontal	102	2.38	-
AV	11.49012G	47.85	54.00	-6.15	14.41	3	Horizontal	102	2.38	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

02/03/2019



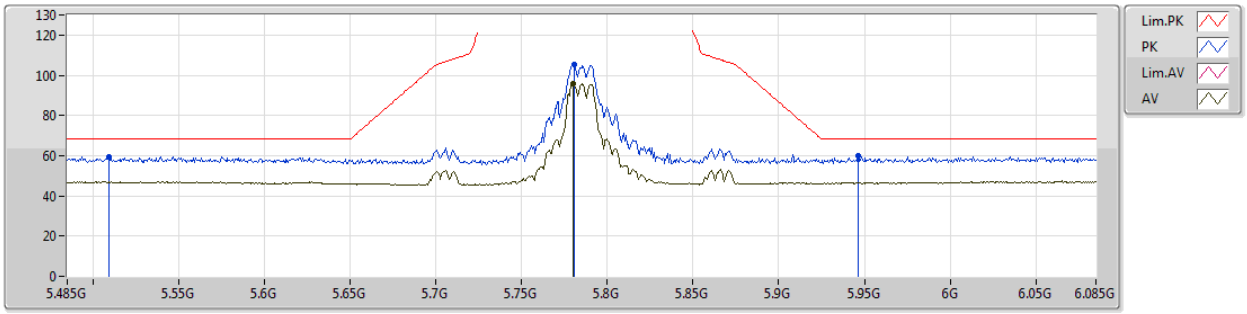
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6326G	65.44	68.20	-2.76	6.38	3	Vertical	89	1.55	-
PK	5.7868G	120.59	Inf	-Inf	6.45	3	Vertical	89	1.55	-
AV	5.7916G	110.92	Inf	-Inf	6.45	3	Vertical	89	1.55	-
PK	5.9524G	64.48	68.20	-3.72	6.91	3	Vertical	89	1.55	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

02/03/2019



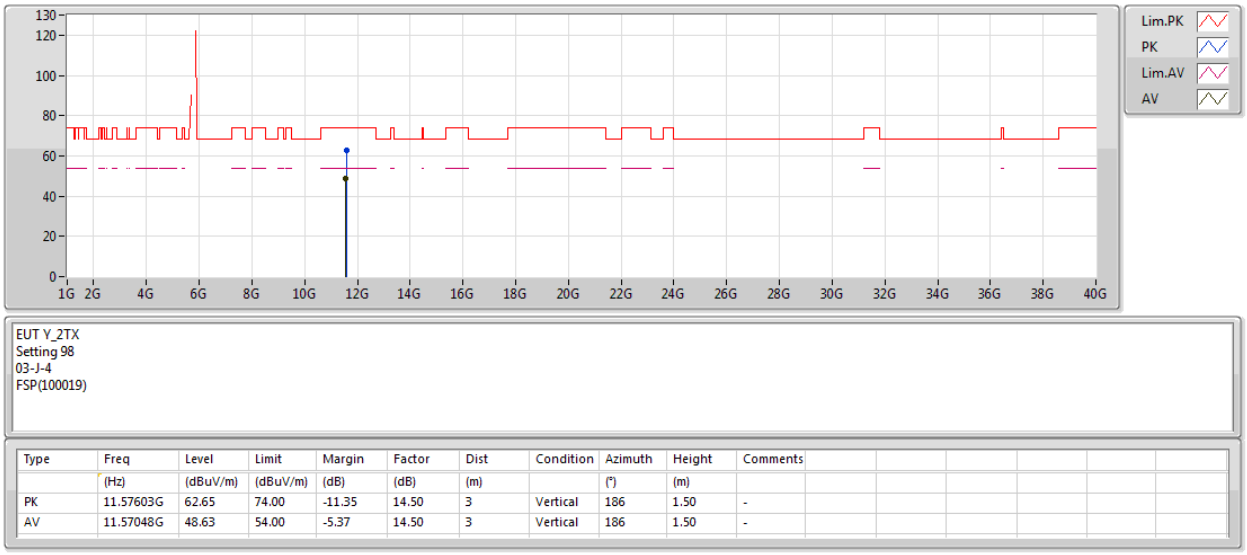
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.509G	59.62	68.20	-8.58	6.48	3	Horizontal	246	1.50	-
PK	5.7808G	105.36	Inf	-Inf	6.44	3	Horizontal	246	1.50	-
AV	5.7802G	96.05	Inf	-Inf	6.44	3	Horizontal	246	1.50	-
PK	5.9464G	60.06	68.20	-8.14	6.89	3	Horizontal	246	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

02/03/2019



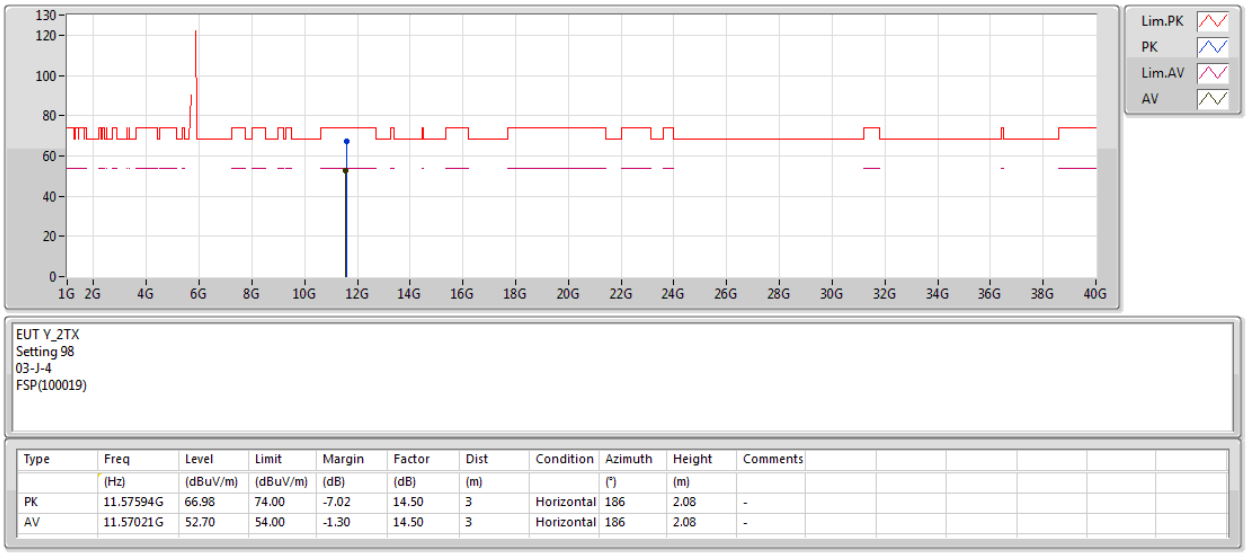
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57603G	62.65	74.00	-11.35	14.50	3	Vertical	186	1.50	-
AV	11.57048G	48.63	54.00	-5.37	14.50	3	Vertical	186	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

02/03/2019



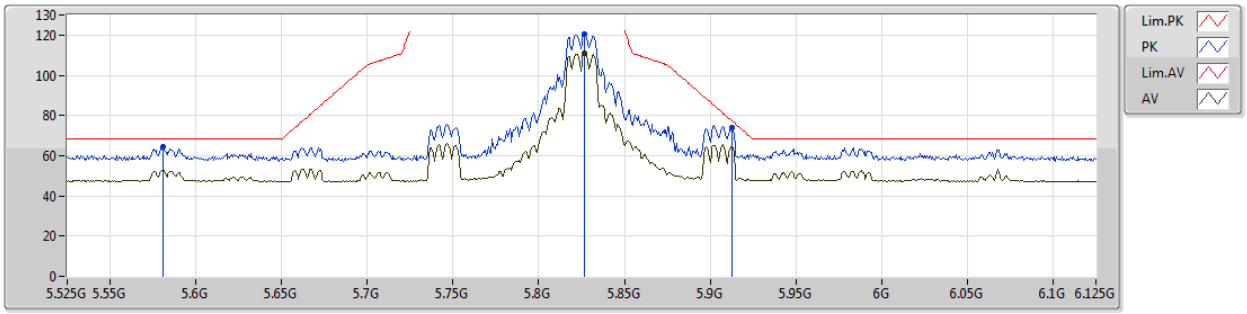
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57594G	66.98	74.00	-7.02	14.50	3	Horizontal	186	2.08	-
AV	11.57021G	52.70	54.00	-1.30	14.50	3	Horizontal	186	2.08	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

02/03/2019



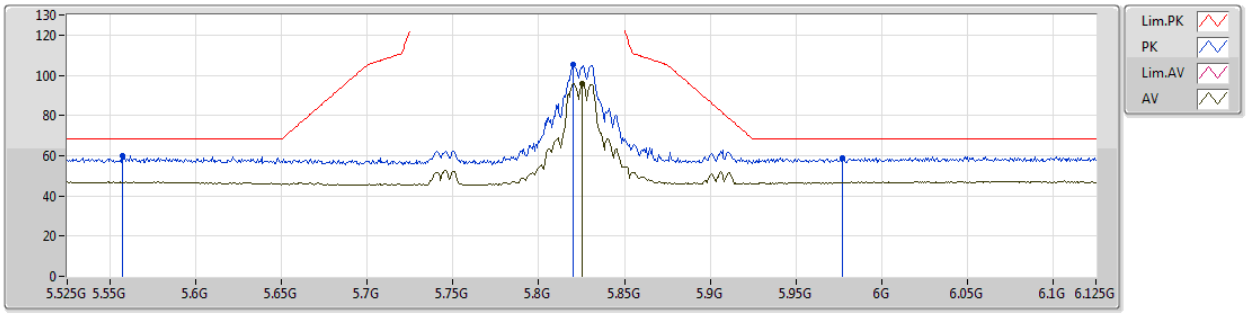
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5808G	64.41	68.20	-3.79	6.39	3	Vertical	92	1.71	-
PK	5.8268G	120.20	Inf	-Inf	6.53	3	Vertical	92	1.71	-
AV	5.8268G	110.77	Inf	-Inf	6.53	3	Vertical	92	1.71	-
PK	5.9126G	74.13	77.38	-3.25	6.77	3	Vertical	92	1.71	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

02/03/2019



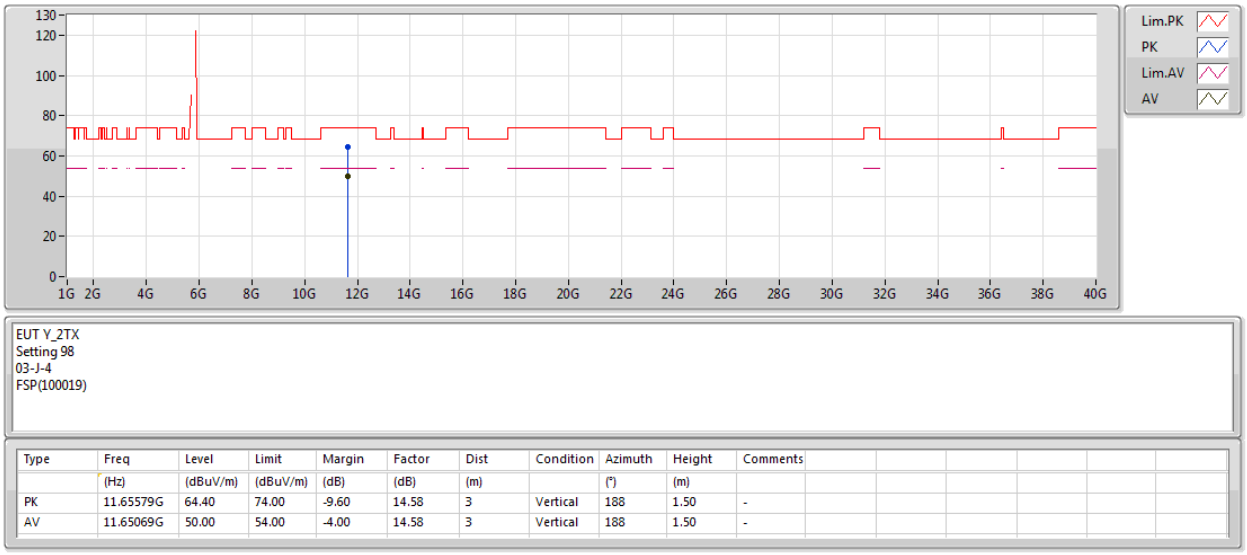
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5574G	60.06	68.20	-8.14	6.41	3	Horizontal	245	1.66	-
PK	5.8202G	105.39	Inf	-Inf	6.51	3	Horizontal	245	1.66	-
AV	5.8256G	95.89	Inf	-Inf	6.53	3	Horizontal	245	1.66	-
PK	5.9774G	58.74	68.20	-9.46	6.99	3	Horizontal	245	1.66	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

02/03/2019



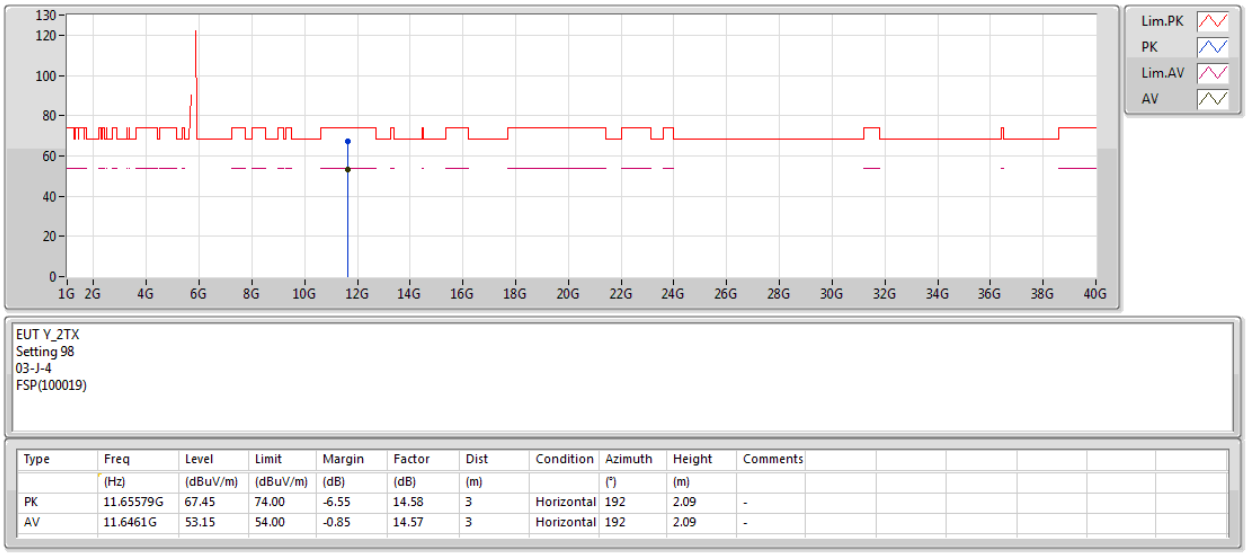
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65579G	64.40	74.00	-9.60	14.58	3	Vertical	188	1.50	-
AV	11.65069G	50.00	54.00	-4.00	14.58	3	Vertical	188	1.50	-

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

02/03/2019



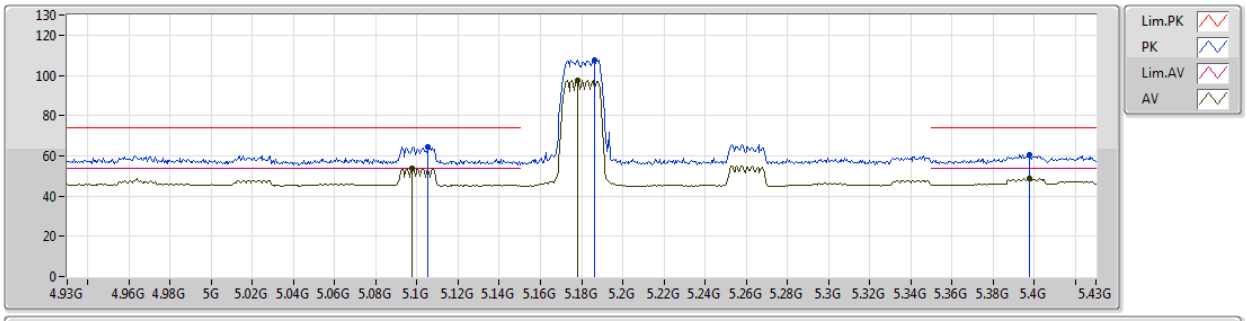
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65579G	67.45	74.00	-6.55	14.58	3	Horizontal	192	2.09	-
AV	11.6461G	53.15	54.00	-0.85	14.57	3	Horizontal	192	2.09	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



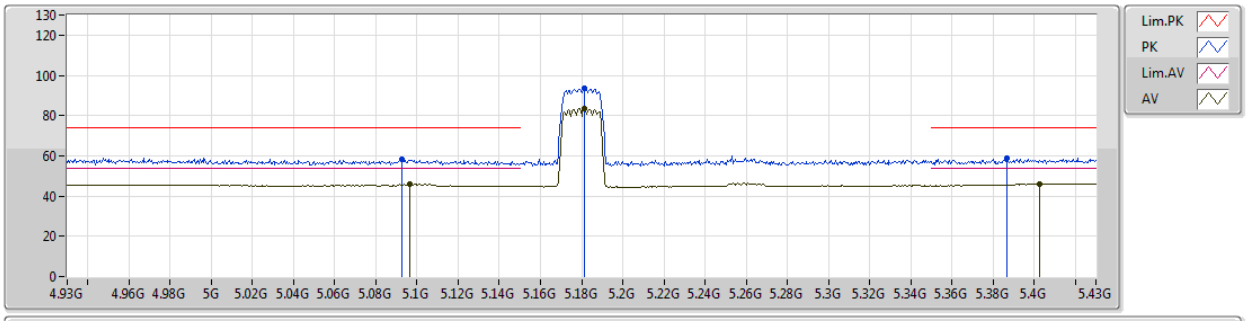
EUT Y_2TX
Setting 51
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1055G	64.44	74.00	-9.56	5.75	3	Vertical	255	1.74	-
AV	5.0975G	53.88	54.00	-0.12	5.74	3	Vertical	255	1.74	-
PK	5.1865G	107.75	Inf	-Inf	5.89	3	Vertical	255	1.74	-
AV	5.178G	97.63	Inf	-Inf	5.87	3	Vertical	255	1.74	-
PK	5.3975G	60.37	74.00	-13.63	6.40	3	Vertical	255	1.74	-
AV	5.3975G	48.68	54.00	-5.32	6.40	3	Vertical	255	1.74	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



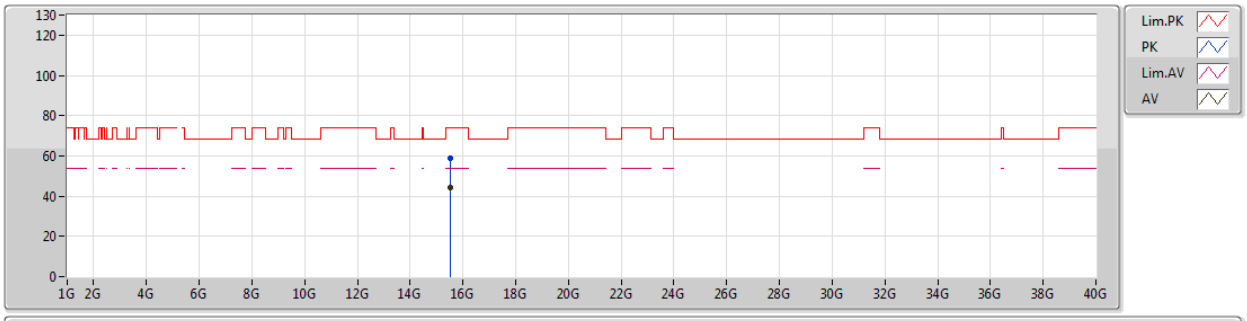
EUT Y_2TX
Setting 51
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0925G	58.25	74.00	-15.75	5.72	3	Horizontal	238	1.73	-
AV	5.0965G	46.05	54.00	-7.95	5.74	3	Horizontal	238	1.73	-
PK	5.1815G	93.39	Inf	-Inf	5.88	3	Horizontal	238	1.73	-
AV	5.1815G	83.71	Inf	-Inf	5.88	3	Horizontal	238	1.73	-
PK	5.3865G	58.69	74.00	-15.31	6.38	3	Horizontal	238	1.73	-
AV	5.4025G	46.00	54.00	-8.00	6.40	3	Horizontal	238	1.73	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



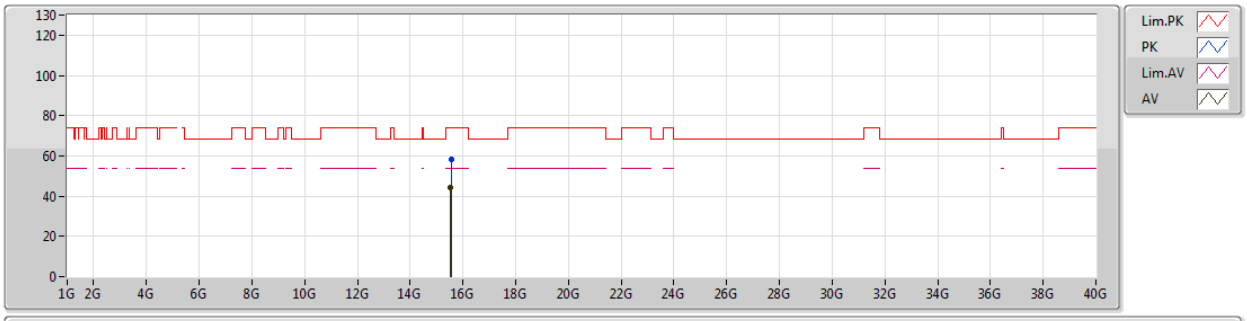
EUT Y_2TX
Setting 51
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53739G	59.09	74.00	-14.91	15.27	3	Vertical	184	1.94	-
AV	15.53265G	44.40	54.00	-9.60	15.29	3	Vertical	184	1.94	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



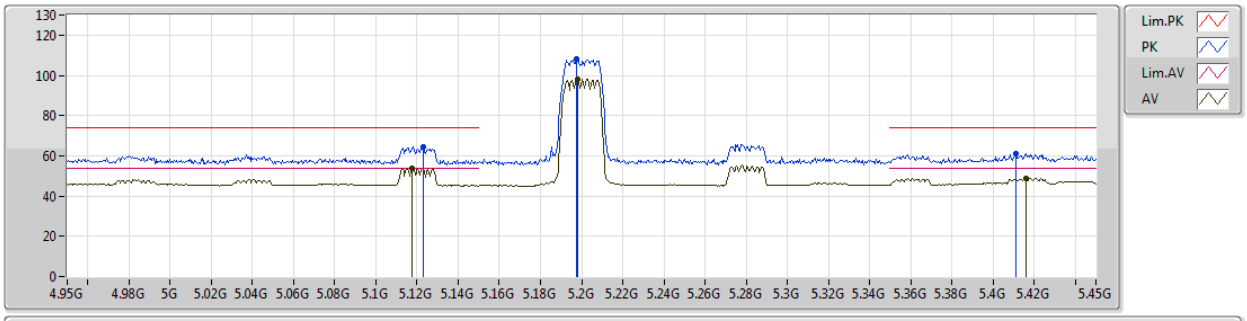
EUT Y_2TX
Setting 51
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.54579G	58.22	74.00	-15.78	15.23	3	Horizontal	319	1.56	-
AV	15.52668G	44.43	54.00	-9.57	15.31	3	Horizontal	319	1.56	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



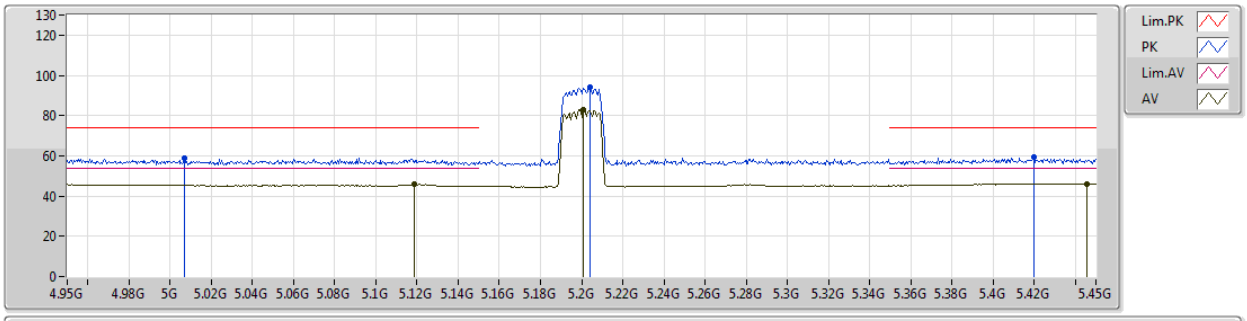
EUT Y_2TX
Setting 53
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.123G	64.67	74.00	-9.33	5.78	3	Vertical	270	1.59	-
AV	5.1175G	53.92	54.00	-0.08	5.77	3	Vertical	270	1.59	-
PK	5.1975G	108.17	Inf	-Inf	5.91	3	Vertical	270	1.59	-
AV	5.198G	98.03	Inf	-Inf	5.91	3	Vertical	270	1.59	-
PK	5.411G	61.12	74.00	-12.88	6.41	3	Vertical	270	1.59	-
AV	5.416G	48.94	54.00	-5.06	6.42	3	Vertical	270	1.59	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



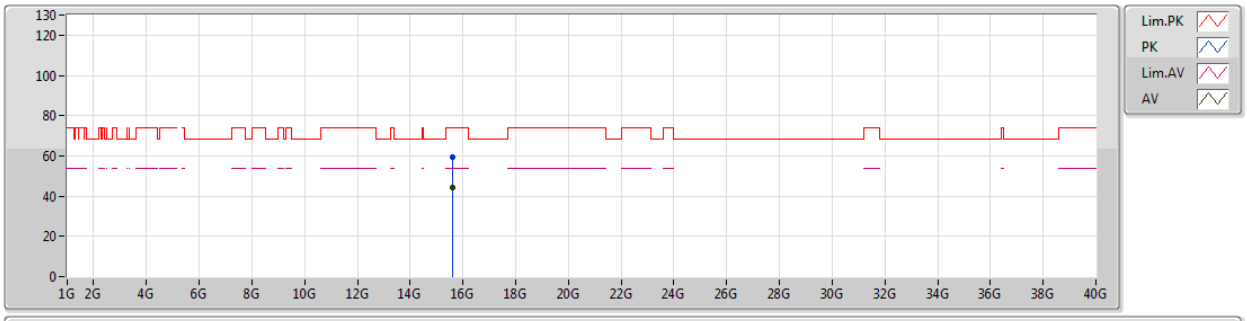
EUT Y_2TX
Setting 53
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.007G	59.10	74.00	-14.90	5.56	3	Horizontal	186	1.65	-
AV	5.1185G	45.79	54.00	-8.21	5.77	3	Horizontal	186	1.65	-
PK	5.204G	93.90	Inf	-Inf	5.92	3	Horizontal	186	1.65	-
AV	5.201G	83.03	Inf	-Inf	5.91	3	Horizontal	186	1.65	-
PK	5.42G	59.49	74.00	-14.51	6.42	3	Horizontal	186	1.65	-
AV	5.4455G	46.21	54.00	-7.79	6.45	3	Horizontal	186	1.65	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



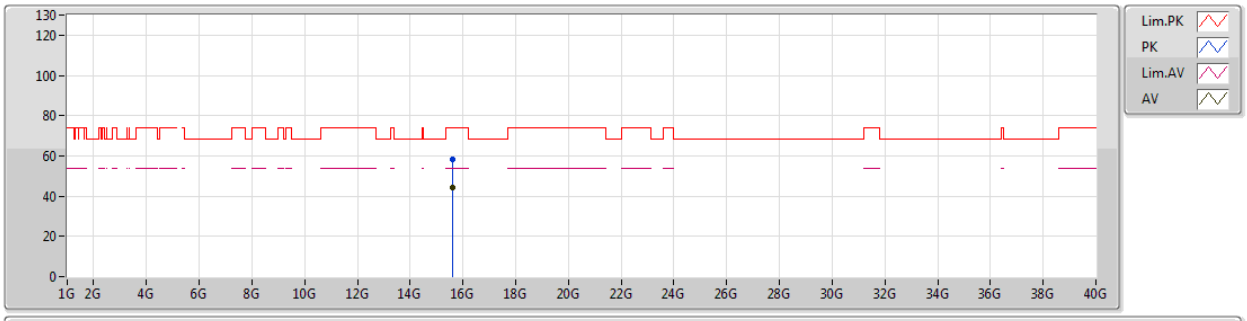
EUT Y_2TX
Setting 53
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.6012G	59.21	74.00	-14.79	15.03	3	Vertical	225	2.07	-
AV	15.61131G	44.34	54.00	-9.66	14.99	3	Vertical	225	2.07	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



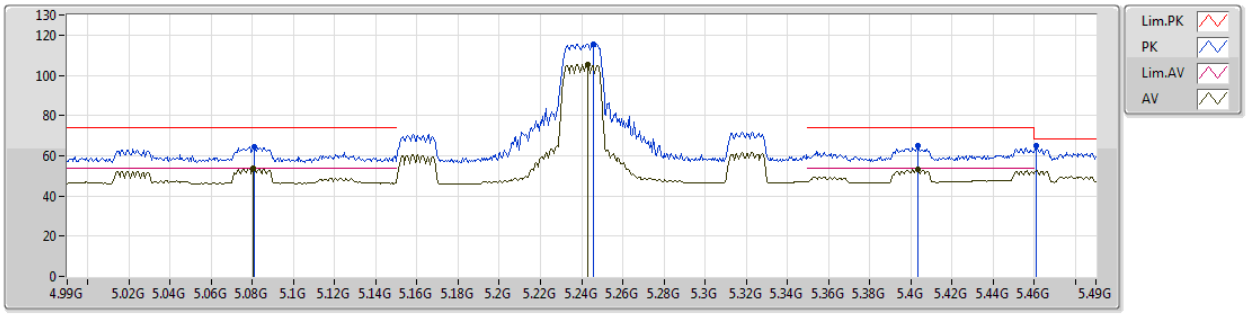
EUT Y_2TX
Setting 53
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.61359G	58.13	74.00	-15.87	14.98	3	Horizontal	128	1.64	-
AV	15.61425G	44.39	54.00	-9.61	14.99	3	Horizontal	128	1.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



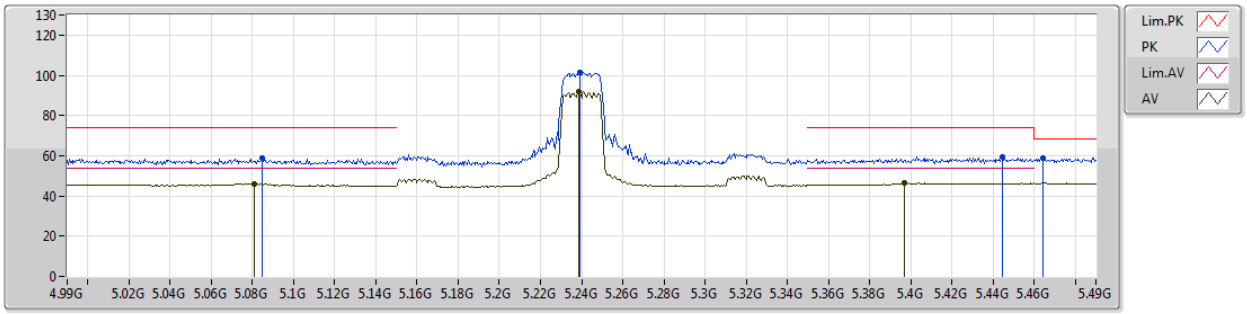
EUT Y_2TX
Setting 79
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.081G	64.55	74.00	-9.45	5.70	3	Vertical	264	1.67	-
AV	5.0805G	53.76	54.00	-0.24	5.70	3	Vertical	264	1.67	-
PK	5.246G	115.58	Inf	-Inf	6.05	3	Vertical	264	1.67	-
AV	5.243G	105.41	Inf	-Inf	6.05	3	Vertical	264	1.67	-
PK	5.4035G	64.90	74.00	-9.10	6.40	3	Vertical	264	1.67	-
AV	5.4035G	53.04	54.00	-0.96	6.40	3	Vertical	264	1.67	-
PK	5.461G	64.83	68.20	-3.37	6.45	3	Vertical	264	1.67	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



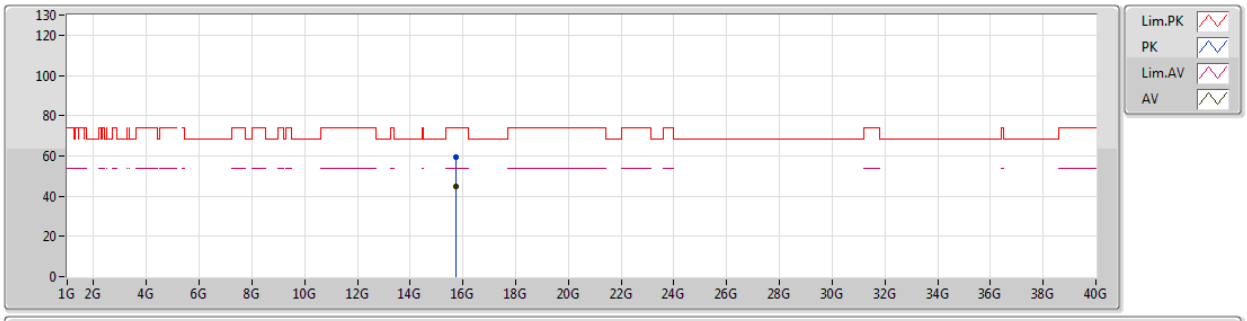
EUT Y_2TX
Setting 79
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0845G	58.77	74.00	-15.23	5.70	3	Horizontal	239	1.70	-
AV	5.081G	46.06	54.00	-7.94	5.70	3	Horizontal	239	1.70	-
PK	5.239G	101.24	Inf	-Inf	6.03	3	Horizontal	239	1.70	-
AV	5.2385G	91.63	Inf	-Inf	6.03	3	Horizontal	239	1.70	-
PK	5.4445G	59.36	74.00	-14.64	6.44	3	Horizontal	239	1.70	-
AV	5.397G	46.37	54.00	-7.63	6.40	3	Horizontal	239	1.70	-
PK	5.4645G	59.05	68.20	-9.15	6.45	3	Horizontal	239	1.70	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



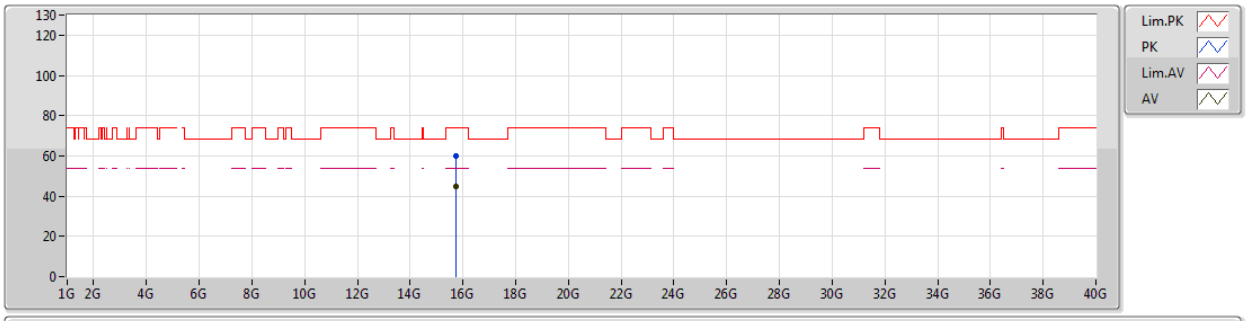
EUT Y_2TX
Setting 79
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.732G	59.49	74.00	-14.51	14.53	3	Vertical	269	1.47	-
AV	15.73422G	45.01	54.00	-8.99	14.53	3	Vertical	269	1.47	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



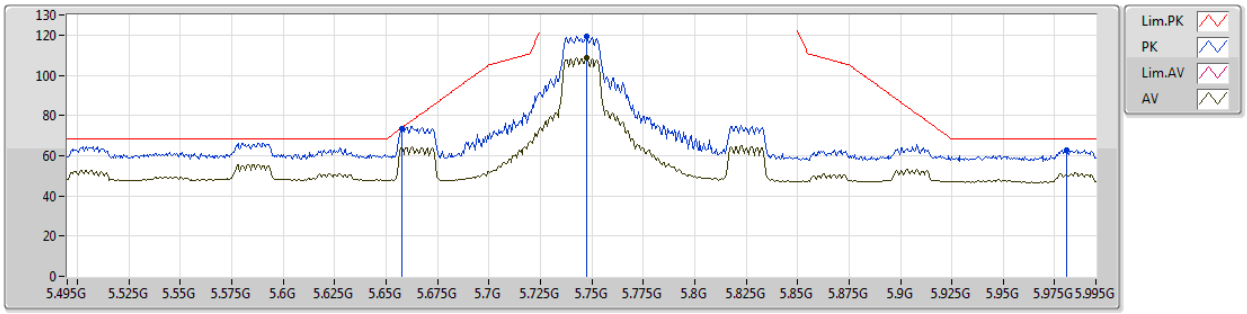
EUT Y_2TX
Setting 79
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72603G	59.89	74.00	-14.11	14.55	3	Horizontal	49	1.60	-
AV	15.72897G	44.94	54.00	-9.06	14.54	3	Horizontal	49	1.60	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



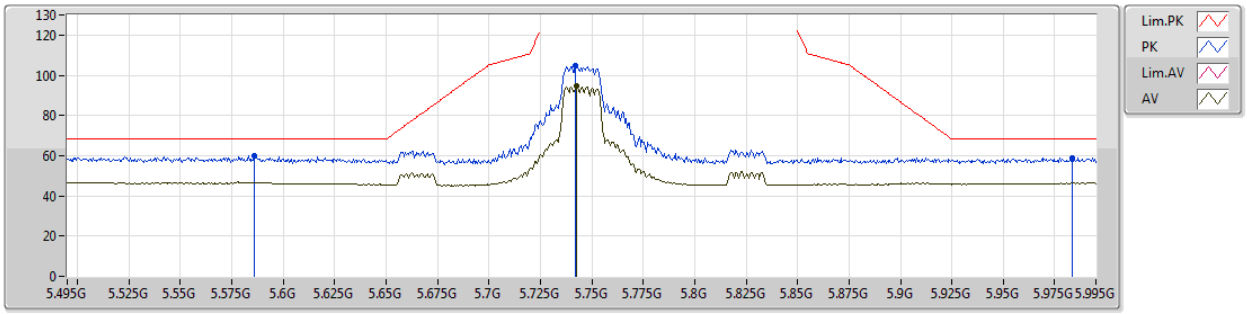
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6575G	73.48	73.75	-0.27	6.36	3	Vertical	262	1.50	-
PK	5.7475G	119.35	Inf	-Inf	6.41	3	Vertical	262	1.50	-
AV	5.7475G	108.76	Inf	-Inf	6.41	3	Vertical	262	1.50	-
PK	5.9805G	62.93	68.20	-5.27	7.01	3	Vertical	262	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



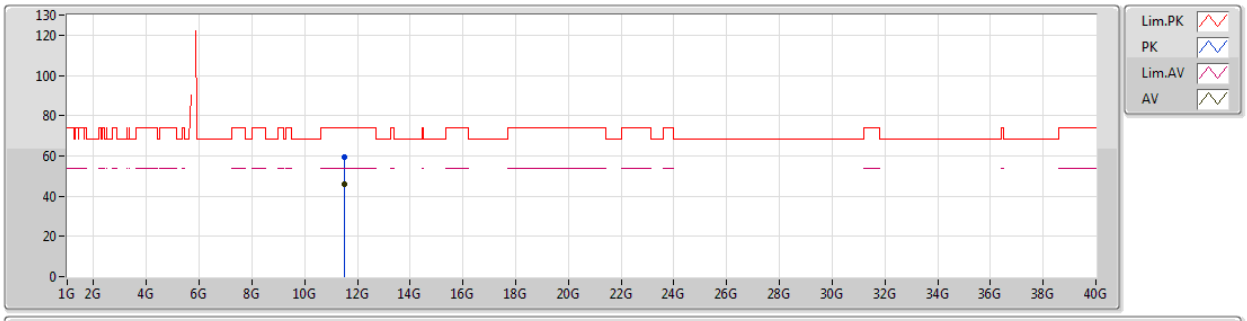
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.586G	59.87	68.20	-8.33	6.38	3	Horizontal	244	1.35	-
PK	5.742G	104.78	Inf	-Inf	6.41	3	Horizontal	244	1.35	-
AV	5.7425G	94.64	Inf	-Inf	6.41	3	Horizontal	244	1.35	-
PK	5.9835G	59.05	68.20	-9.15	7.02	3	Horizontal	244	1.35	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



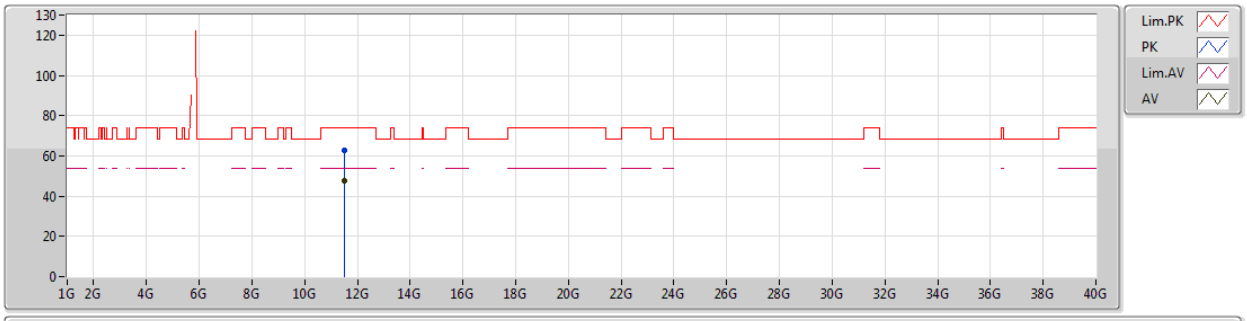
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.48712G	59.66	74.00	-14.34	14.41	3	Vertical	170	1.68	-
AV	11.48982G	45.86	54.00	-8.14	14.41	3	Vertical	170	1.68	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



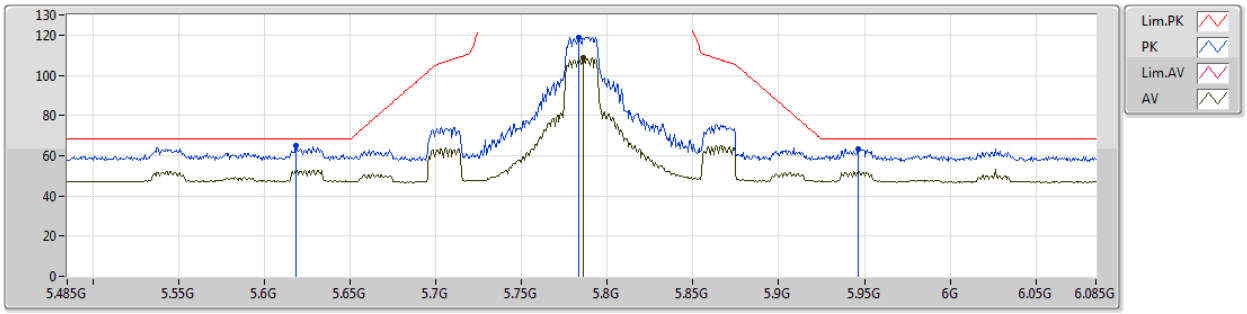
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49588G	62.72	74.00	-11.28	14.42	3	Horizontal	170	2.10	-
AV	11.49027G	47.35	54.00	-6.65	14.41	3	Horizontal	170	2.10	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



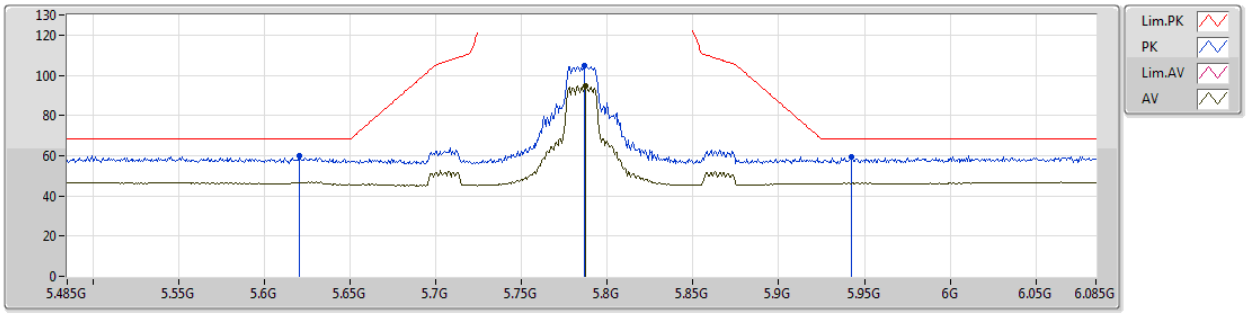
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6182G	64.78	68.20	-3.42	6.37	3	Vertical	87	1.55	-
PK	5.7832G	118.98	Inf	-Inf	6.44	3	Vertical	87	1.55	-
AV	5.7862G	108.71	Inf	-Inf	6.44	3	Vertical	87	1.55	-
PK	5.9464G	63.41	68.20	-4.79	6.89	3	Vertical	87	1.55	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



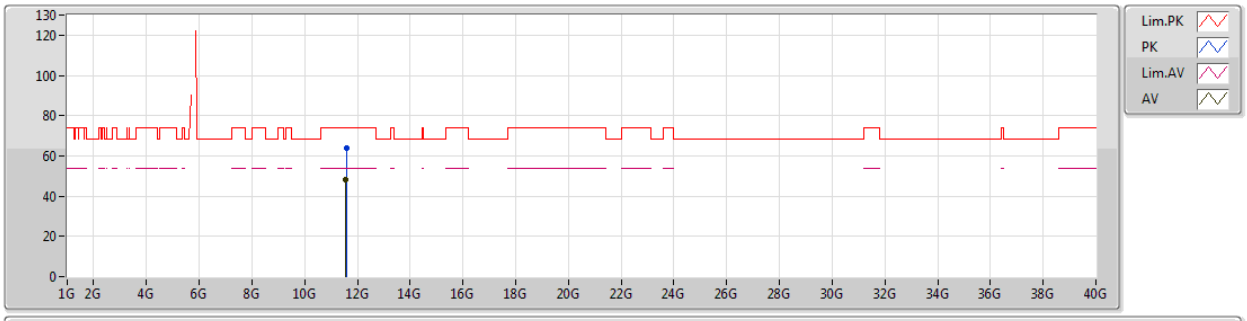
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6206G	60.05	68.20	-8.15	6.37	3	Horizontal	245	1.37	-
PK	5.7868G	104.76	Inf	-Inf	6.45	3	Horizontal	245	1.37	-
AV	5.7874G	94.81	Inf	-Inf	6.45	3	Horizontal	245	1.37	-
PK	5.9422G	59.20	68.20	-9.00	6.88	3	Horizontal	245	1.37	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



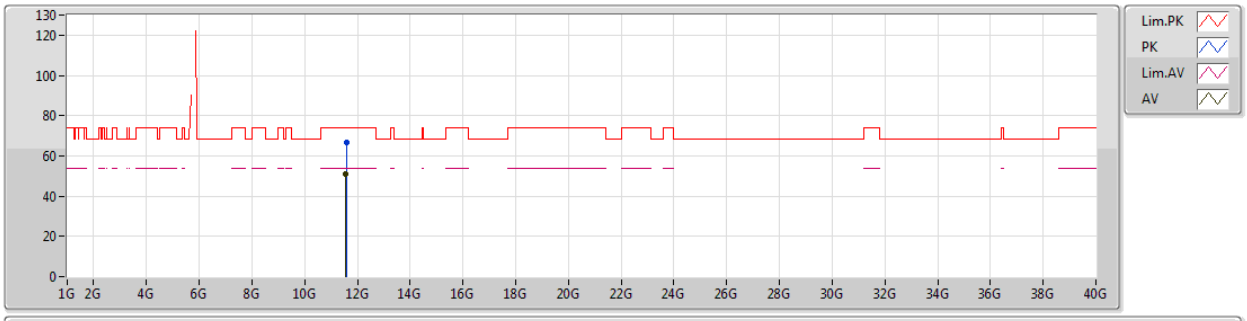
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57594G	63.98	74.00	-10.02	14.50	3	Vertical	186	1.47	-
AV	11.57024G	48.17	54.00	-5.83	14.50	3	Vertical	186	1.47	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



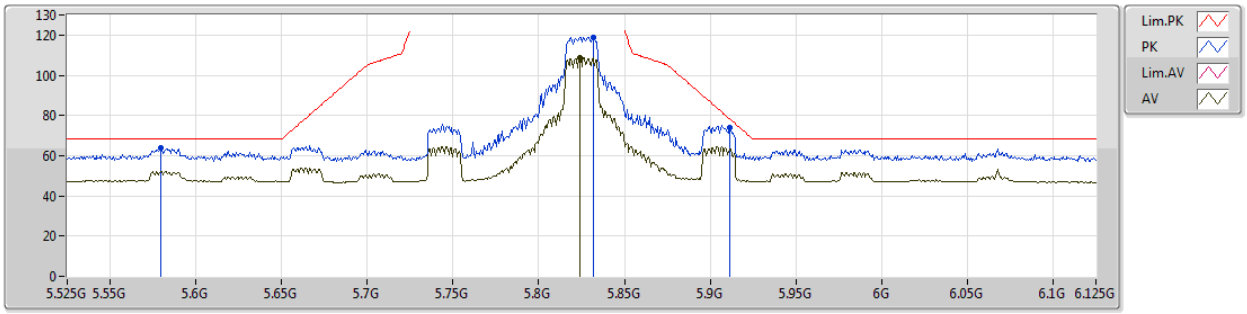
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57585G	66.57	74.00	-7.43	14.50	3	Horizontal	172	1.49	-
AV	11.57021G	51.25	54.00	-2.75	14.50	3	Horizontal	172	1.49	-

802.11ac VHT20_Nss1,(MCS0)_2TX

02/03/2019

5825MHz_TX



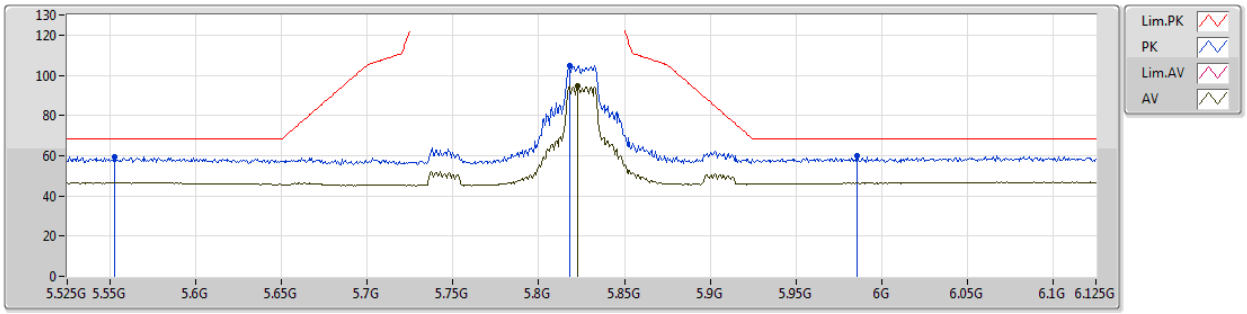
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5796G	63.71	68.20	-4.49	6.39	3	Vertical	168	1.61	-
PK	5.8316G	119.04	Inf	-Inf	6.54	3	Vertical	168	1.61	-
AV	5.8238G	108.88	Inf	-Inf	6.53	3	Vertical	168	1.61	-
PK	5.9114G	73.98	78.26	-4.28	6.76	3	Vertical	168	1.61	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

02/03/2019



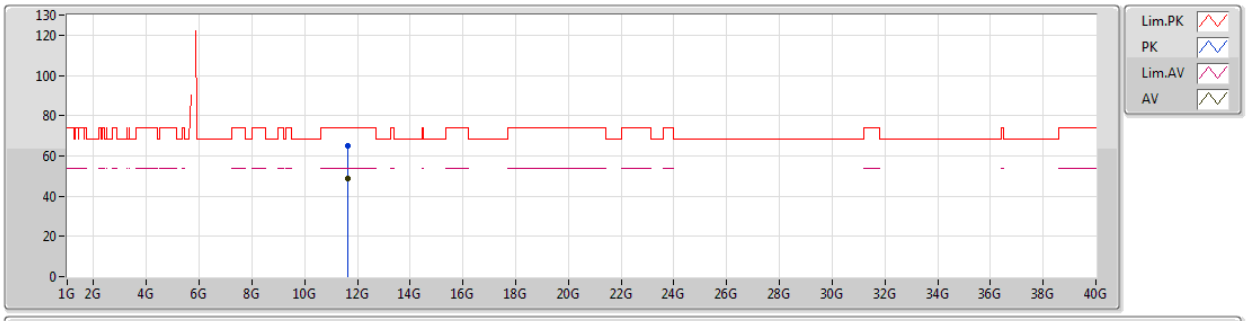
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5526G	59.58	68.20	-8.62	6.42	3	Horizontal	245	1.50	-
PK	5.8178G	104.80	Inf	-Inf	6.51	3	Horizontal	245	1.50	-
AV	5.8226G	94.47	Inf	-Inf	6.53	3	Horizontal	245	1.50	-
PK	5.9858G	59.86	68.20	-8.34	7.03	3	Horizontal	245	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

02/03/2019



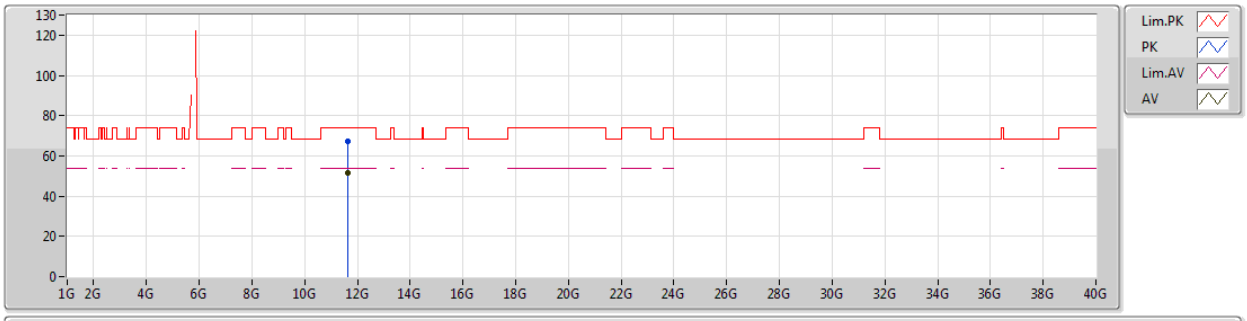
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65582G	65.12	74.00	-8.88	14.58	3	Vertical	185	1.45	-
AV	11.65039G	48.91	54.00	-5.09	14.58	3	Vertical	185	1.45	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

02/03/2019



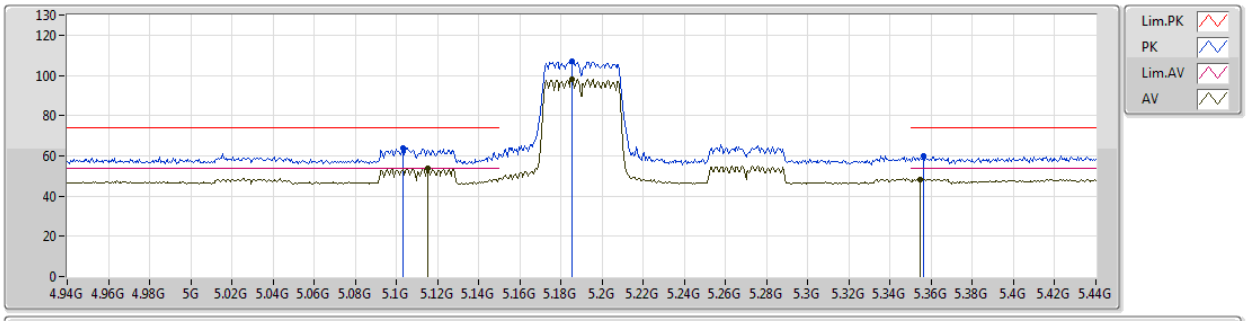
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65594G	67.16	74.00	-6.84	14.58	3	Horizontal	191	2.09	-
AV	11.65027G	51.58	54.00	-2.42	14.58	3	Horizontal	191	2.09	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



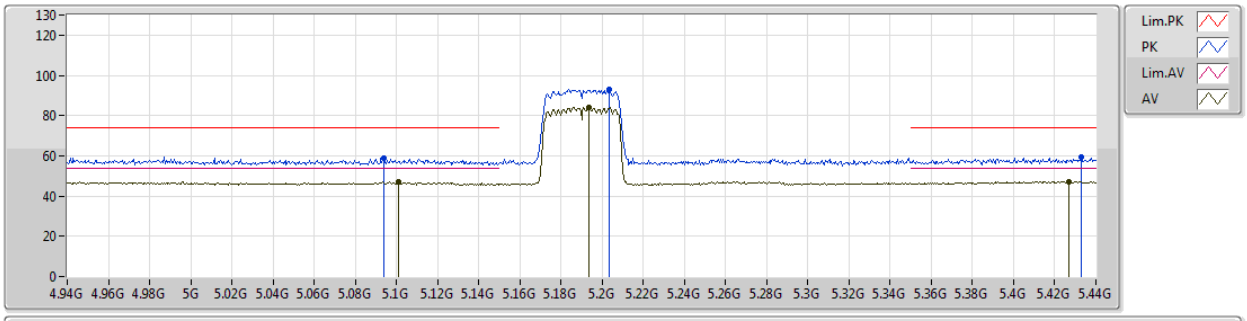
EUT Y_2TX
Setting 60
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.103G	63.92	74.00	-10.08	5.74	3	Vertical	283	1.52	-
AV	5.1155G	53.80	54.00	-0.20	5.77	3	Vertical	283	1.52	-
PK	5.1855G	107.11	Inf	-Inf	5.89	3	Vertical	283	1.52	-
AV	5.1855G	98.18	Inf	-Inf	5.89	3	Vertical	283	1.52	-
PK	5.356G	60.18	74.00	-13.82	6.32	3	Vertical	283	1.52	-
AV	5.3545G	48.42	54.00	-5.58	6.31	3	Vertical	283	1.52	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



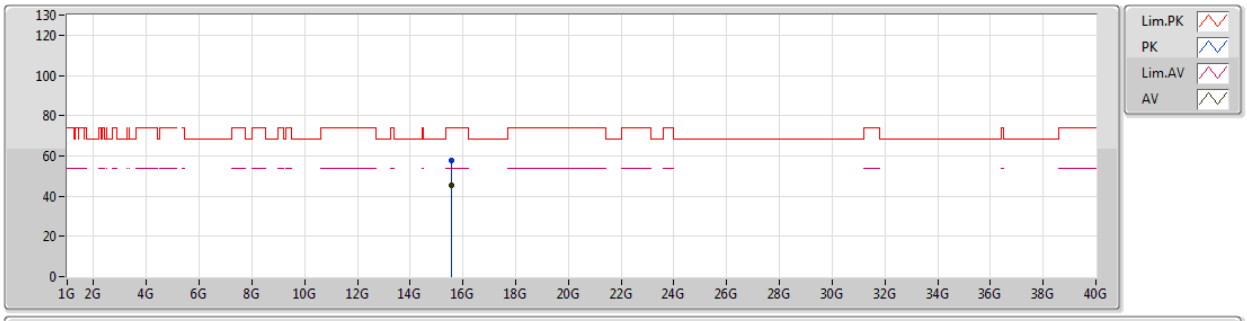
EUT Y_2TX
Setting 60
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.094G	58.96	74.00	-15.04	5.72	3	Horizontal	238	1.46	-
AV	5.101G	47.06	54.00	-6.94	5.74	3	Horizontal	238	1.46	-
PK	5.2035G	92.95	Inf	-Inf	5.92	3	Horizontal	238	1.46	-
AV	5.1935G	83.97	Inf	-Inf	5.89	3	Horizontal	238	1.46	-
PK	5.433G	59.20	74.00	-14.80	6.43	3	Horizontal	238	1.46	-
AV	5.427G	47.33	54.00	-6.67	6.43	3	Horizontal	238	1.46	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



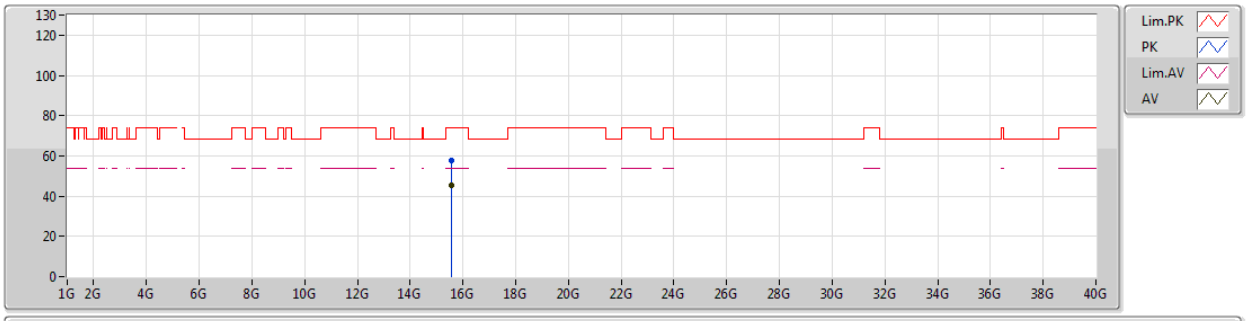
EUT Y_2TX
Setting 60
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.55872G	57.73	74.00	-16.27	15.18	3	Vertical	27	1.98	-
AV	15.57447G	45.14	54.00	-8.86	15.14	3	Vertical	27	1.98	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



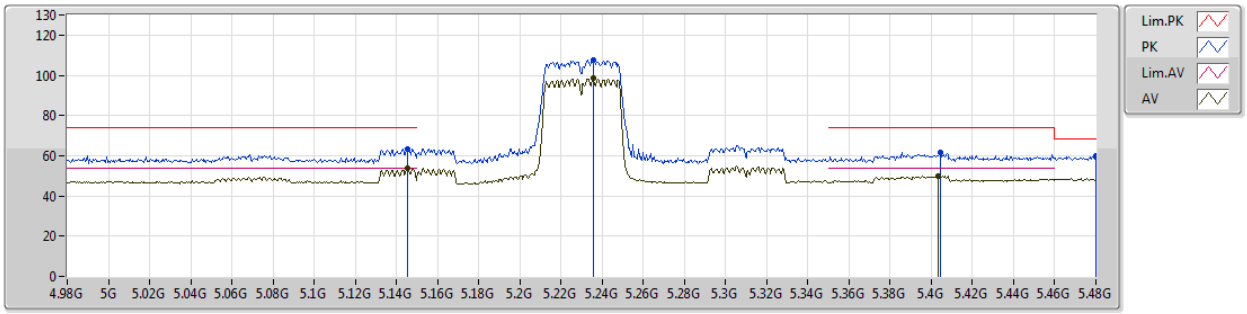
EUT Y_2TX
Setting 60
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.57942G	57.87	74.00	-16.13	15.11	3	Horizontal	264	2.13	-
AV	15.58215G	45.35	54.00	-8.65	15.10	3	Horizontal	264	2.13	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



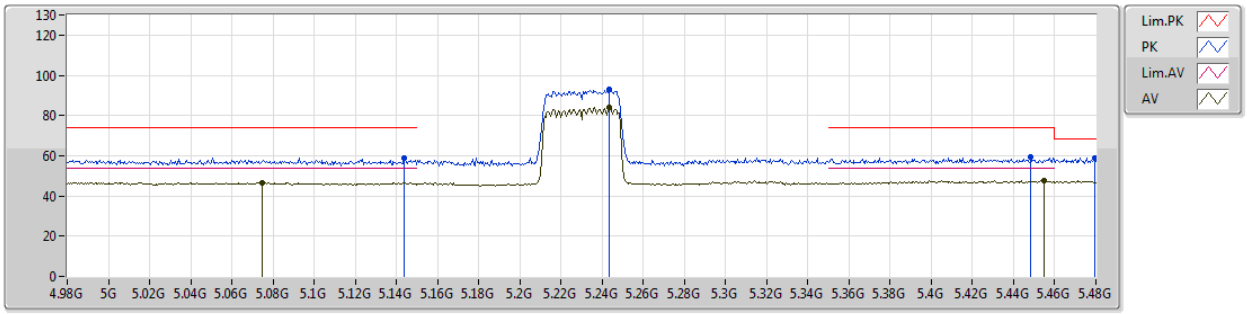
EUT Y_2TX
Setting 60
03-C-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1455G	63.25	74.00	-10.75	5.83	3	Vertical	272	1.50	-
AV	5.1455G	53.74	54.00	-0.26	5.83	3	Vertical	272	1.50	-
PK	5.2355G	107.73	Inf	-Inf	6.02	3	Vertical	272	1.50	-
AV	5.2355G	98.59	Inf	-Inf	6.02	3	Vertical	272	1.50	-
PK	5.4045G	61.51	74.00	-12.49	6.40	3	Vertical	272	1.50	-
AV	5.4035G	49.99	54.00	-4.01	6.40	3	Vertical	272	1.50	-
PK	5.48G	59.83	68.20	-8.37	6.47	3	Vertical	272	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



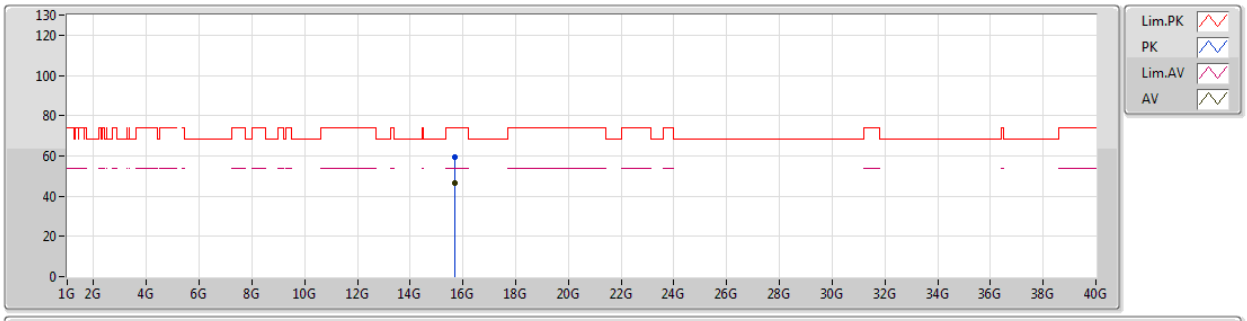
EUT Y_2TX
Setting 60
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1435G	58.90	74.00	-15.10	5.81	3	Horizontal	239	1.37	-
AV	5.0745G	46.70	54.00	-7.30	5.68	3	Horizontal	239	1.37	-
PK	5.2435G	92.85	Inf	-Inf	6.05	3	Horizontal	239	1.37	-
AV	5.2435G	84.07	Inf	-Inf	6.05	3	Horizontal	239	1.37	-
PK	5.4485G	59.37	74.00	-14.63	6.45	3	Horizontal	239	1.37	-
AV	5.455G	47.63	54.00	-6.37	6.44	3	Horizontal	239	1.37	-
PK	5.4795G	58.87	68.20	-9.33	6.47	3	Horizontal	239	1.37	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



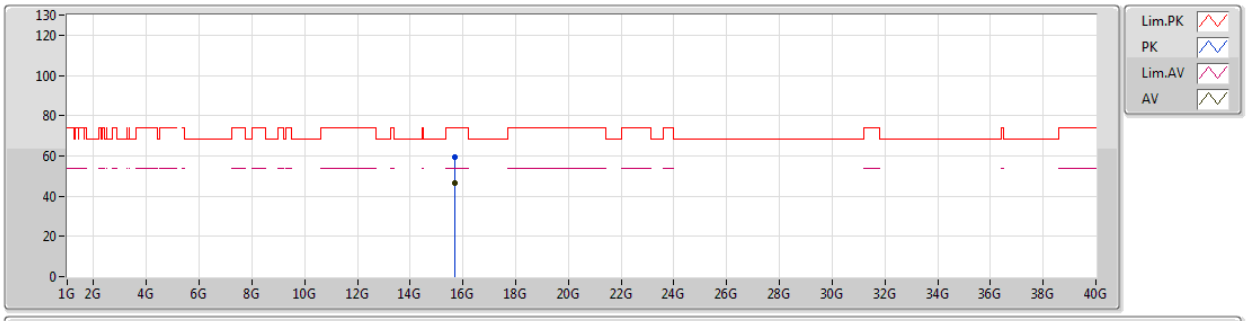
EUT Y_2TX
Setting 60
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.68436G	59.30	74.00	-14.70	14.72	3	Vertical	120	1.60	-
AV	15.68334G	46.73	54.00	-7.27	14.72	3	Vertical	120	1.60	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



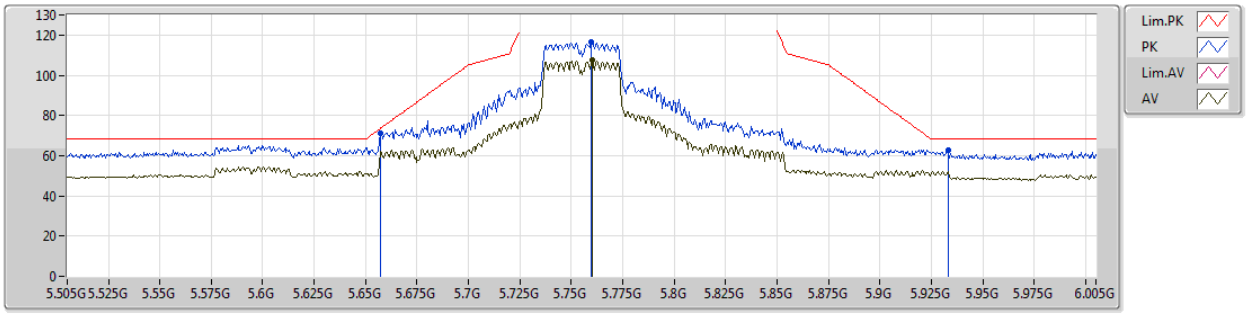
EUT Y_2TX
Setting 60
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.70074G	59.13	74.00	-14.87	14.65	3	Horizontal	121	1.27	-
AV	15.68727G	46.72	54.00	-7.28	14.70	3	Horizontal	121	1.27	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



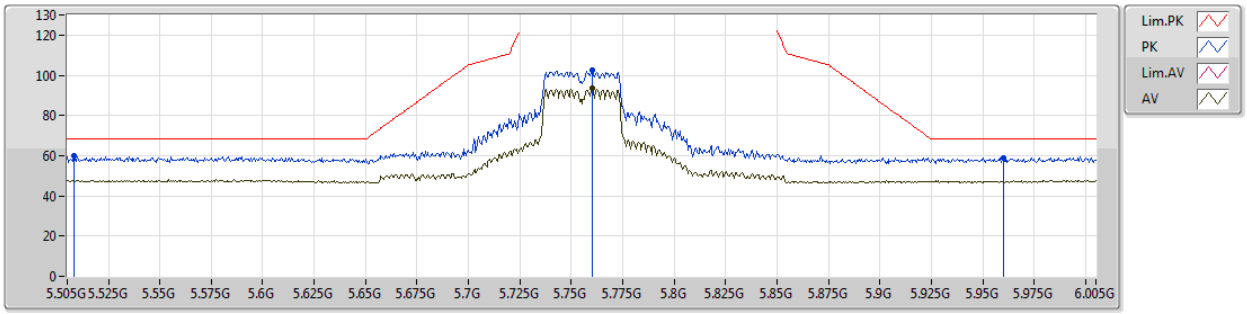
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.657G	70.89	73.38	-2.49	6.36	3	Vertical	265	1.49	-
PK	5.7595G	116.30	Inf	-Inf	6.43	3	Vertical	265	1.49	-
AV	5.76G	107.38	Inf	-Inf	6.43	3	Vertical	265	1.49	-
PK	5.933G	62.57	68.20	-5.63	6.84	3	Vertical	265	1.49	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



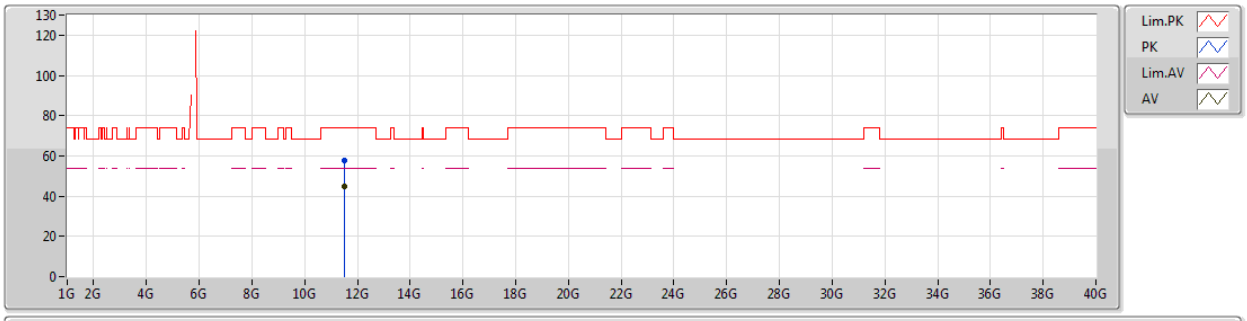
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5085G	59.74	68.20	-8.46	6.48	3	Horizontal	245	1.38	-
PK	5.76G	102.47	Inf	-Inf	6.43	3	Horizontal	245	1.38	-
AV	5.76G	93.44	Inf	-Inf	6.43	3	Horizontal	245	1.38	-
PK	5.96G	59.09	68.20	-9.11	6.93	3	Horizontal	245	1.38	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



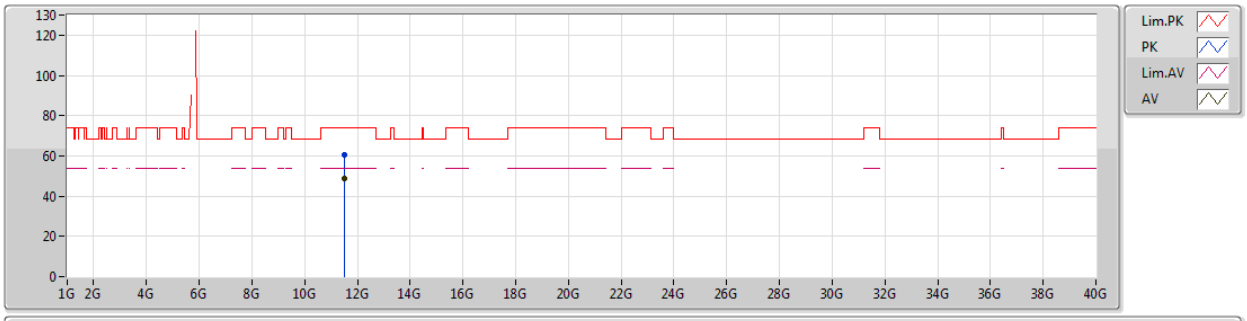
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.50886G	57.78	74.00	-16.22	14.44	3	Vertical	179	1.65	-
AV	11.50715G	44.81	54.00	-9.19	14.44	3	Vertical	179	1.65	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



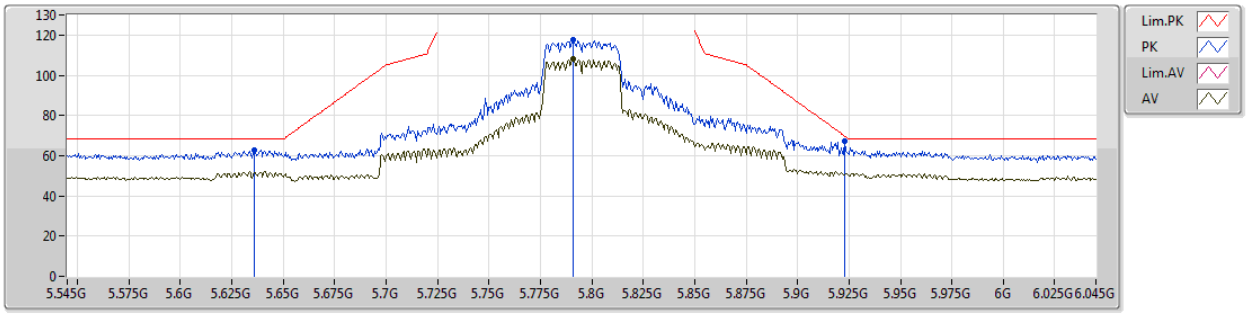
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51096G	60.39	74.00	-13.61	14.44	3	Horizontal	96	1.55	-
AV	11.50994G	48.52	54.00	-5.48	14.44	3	Horizontal	96	1.55	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



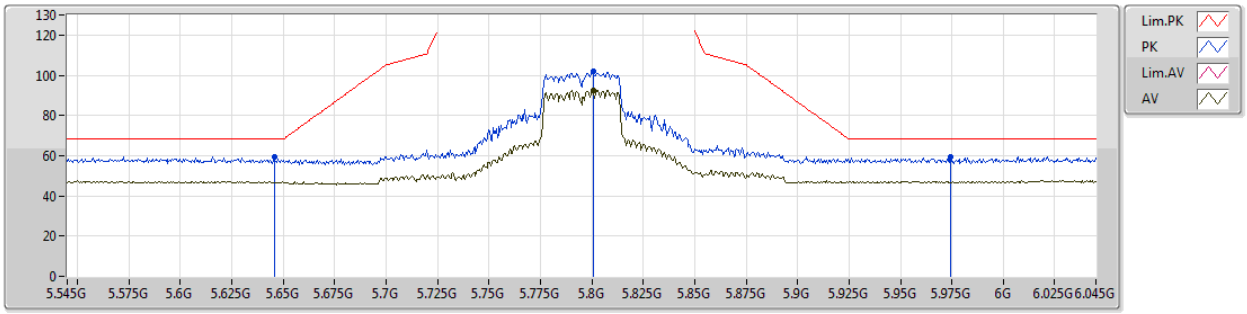
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.636G	62.58	68.20	-5.62	6.37	3	Vertical	90	1.55	-
PK	5.791G	117.49	Inf	-Inf	6.45	3	Vertical	90	1.55	-
AV	5.791G	108.10	Inf	-Inf	6.45	3	Vertical	90	1.55	-
PK	5.923G	67.18	69.68	-2.50	6.81	3	Vertical	90	1.55	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



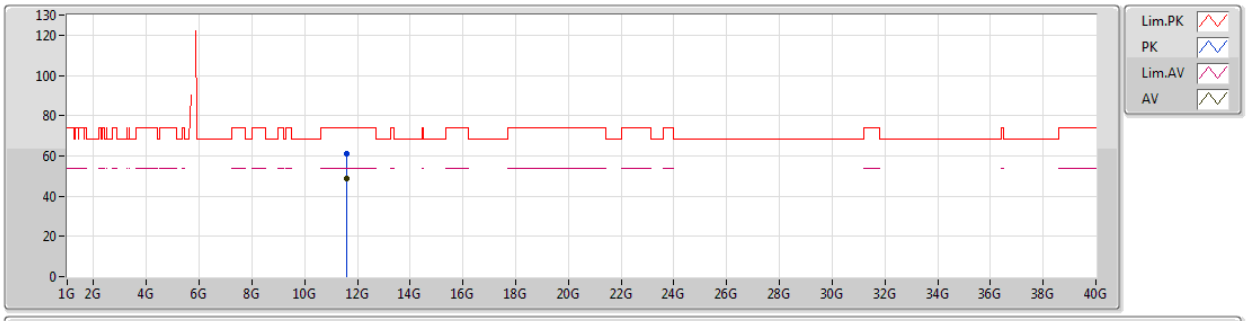
EUT Y_2TX
Setting 98
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6455G	59.42	68.20	-8.78	6.37	3	Horizontal	243	1.33	-
PK	5.8005G	101.80	Inf	-Inf	6.46	3	Horizontal	243	1.33	-
AV	5.8005G	92.66	Inf	-Inf	6.46	3	Horizontal	243	1.33	-
PK	5.9745G	59.14	68.20	-9.06	6.98	3	Horizontal	243	1.33	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



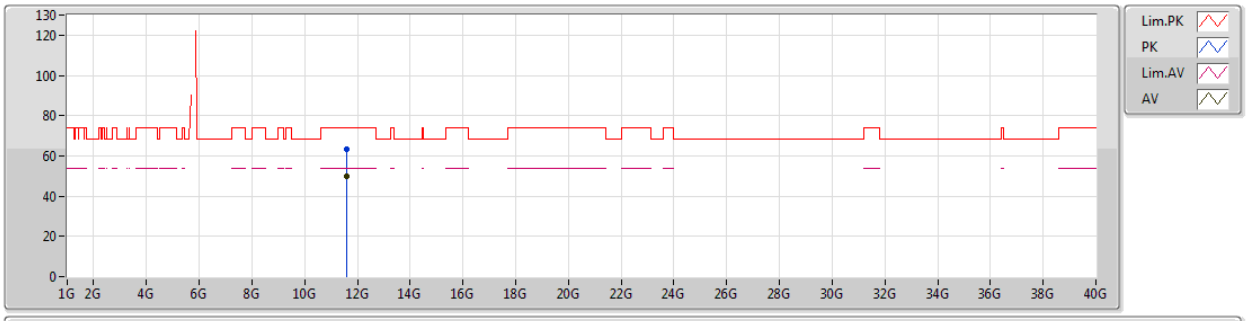
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59237G	61.27	74.00	-12.73	14.51	3	Vertical	185	1.36	-
AV	11.5903G	48.50	54.00	-5.50	14.51	3	Vertical	185	1.36	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



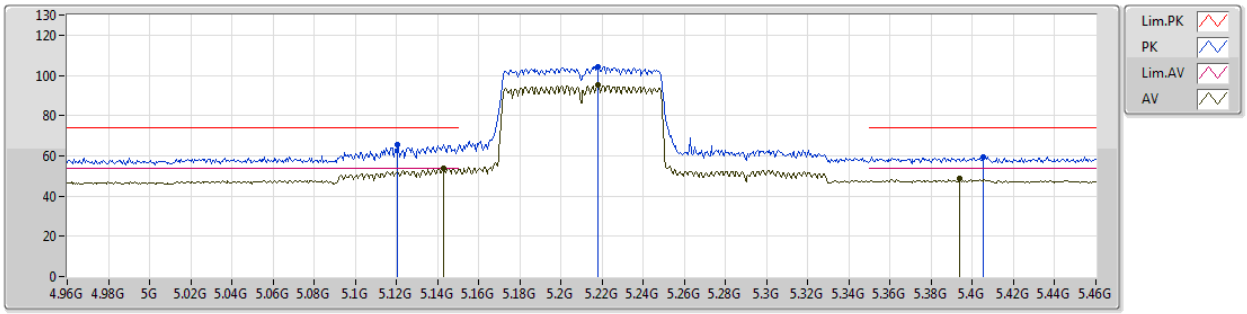
EUT Y_2TX
Setting 98
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.58775G	63.25	74.00	-10.75	14.51	3	Horizontal	176	1.49	-
AV	11.59243G	50.11	54.00	-3.89	14.51	3	Horizontal	176	1.49	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



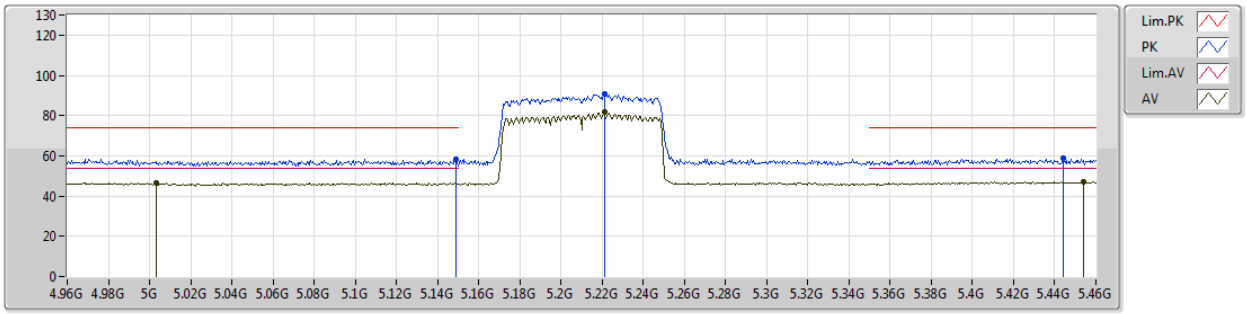
EUT Y_2TX
Setting 61
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1205G	65.66	74.00	-8.34	5.78	3	Vertical	177	1.66	-
AV	5.143G	53.79	54.00	-0.21	5.81	3	Vertical	177	1.66	-
PK	5.218G	104.19	Inf	-Inf	5.97	3	Vertical	177	1.66	-
AV	5.218G	95.16	Inf	-Inf	5.97	3	Vertical	177	1.66	-
PK	5.405G	59.36	74.00	-14.64	6.41	3	Vertical	177	1.66	-
AV	5.394G	48.67	54.00	-5.33	6.38	3	Vertical	177	1.66	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



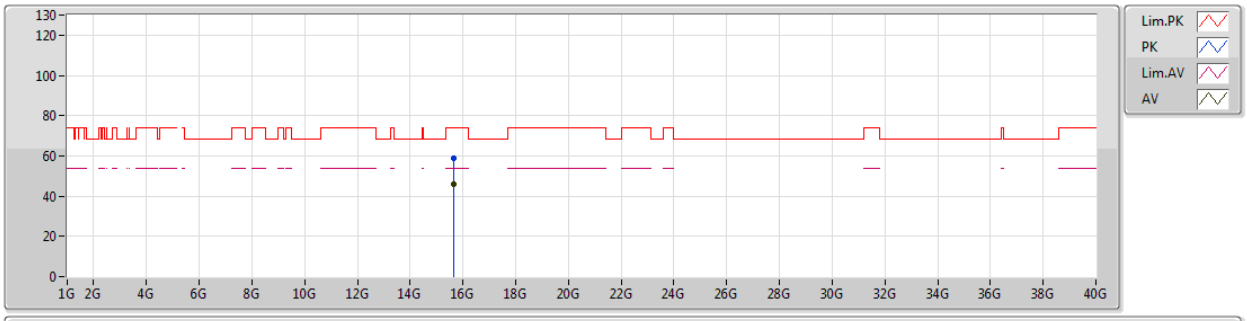
EUT Y_2TX
Setting 61
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.149G	58.45	74.00	-15.55	5.83	3	Horizontal	243	1.81	-
AV	5.003G	46.72	54.00	-7.28	5.54	3	Horizontal	243	1.81	-
PK	5.221G	90.64	Inf	-Inf	5.97	3	Horizontal	243	1.81	-
AV	5.221G	81.55	Inf	-Inf	5.97	3	Horizontal	243	1.81	-
PK	5.444G	58.79	74.00	-15.21	6.44	3	Horizontal	243	1.81	-
AV	5.454G	47.05	54.00	-6.95	6.44	3	Horizontal	243	1.81	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



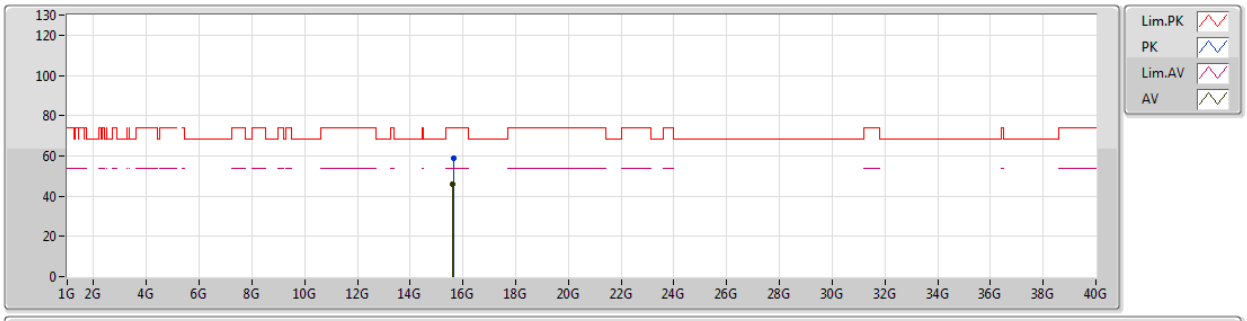
EUT Y_2TX
Setting 61
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.63126G	58.73	74.00	-15.27	14.92	3	Vertical	130	1.89	-
AV	15.64329G	46.02	54.00	-7.98	14.87	3	Vertical	130	1.89	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



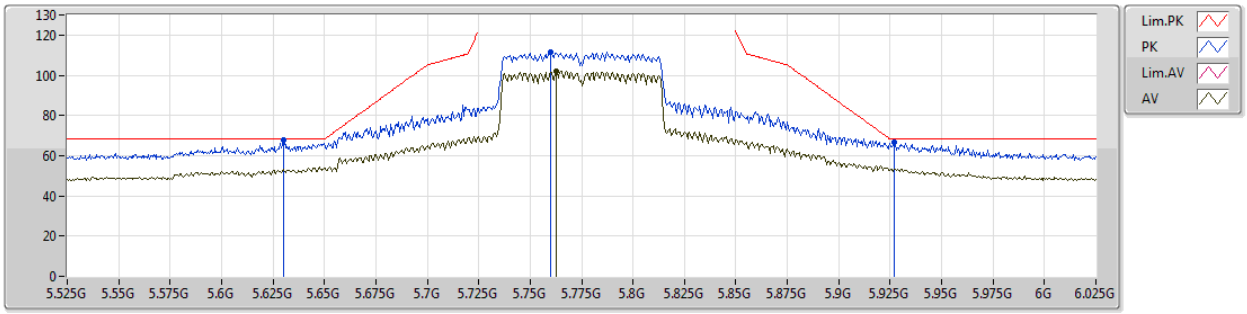
EUT Y_2TX
Setting 61
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.64179G	58.64	74.00	-15.36	14.87	3	Horizontal	263	1.61	-
AV	15.61689G	45.90	54.00	-8.10	14.97	3	Horizontal	263	1.61	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



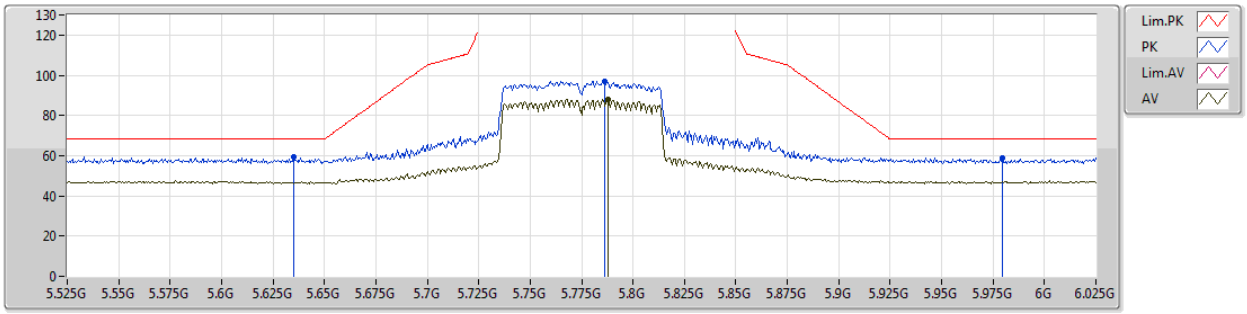
EUT Y_2TX
Setting 91
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.63G	68.04	68.20	-0.16	6.37	3	Vertical	264	1.49	-
PK	5.76G	111.61	Inf	-Inf	6.43	3	Vertical	264	1.49	-
AV	5.7625G	102.25	Inf	-Inf	6.43	3	Vertical	264	1.49	-
PK	5.927G	66.67	68.20	-1.53	6.82	3	Vertical	264	1.49	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



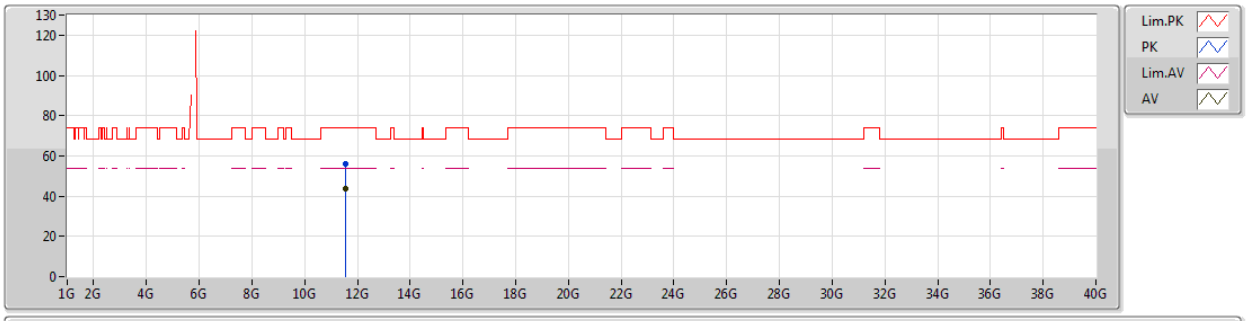
EUT Y_2TX
Setting 91
03-J-4-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.635G	59.60	68.20	-8.60	6.37	3	Horizontal	243	1.37	-
PK	5.786G	96.94	Inf	-Inf	6.44	3	Horizontal	243	1.37	-
AV	5.788G	87.99	Inf	-Inf	6.45	3	Horizontal	243	1.37	-
PK	5.9795G	58.69	68.20	-9.51	7.01	3	Horizontal	243	1.37	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



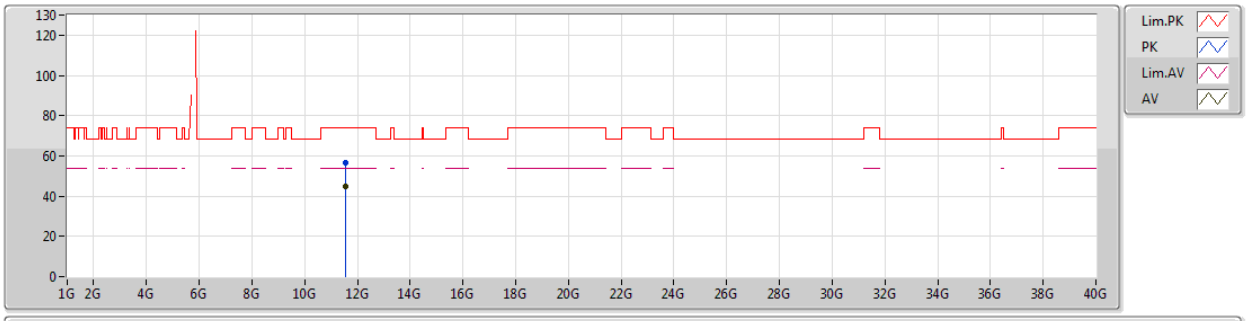
EUT Y_2TX
Setting 91
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56428G	55.81	74.00	-18.19	14.48	3	Vertical	182	1.72	-
AV	11.55501G	43.64	54.00	-10.36	14.48	3	Vertical	182	1.72	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



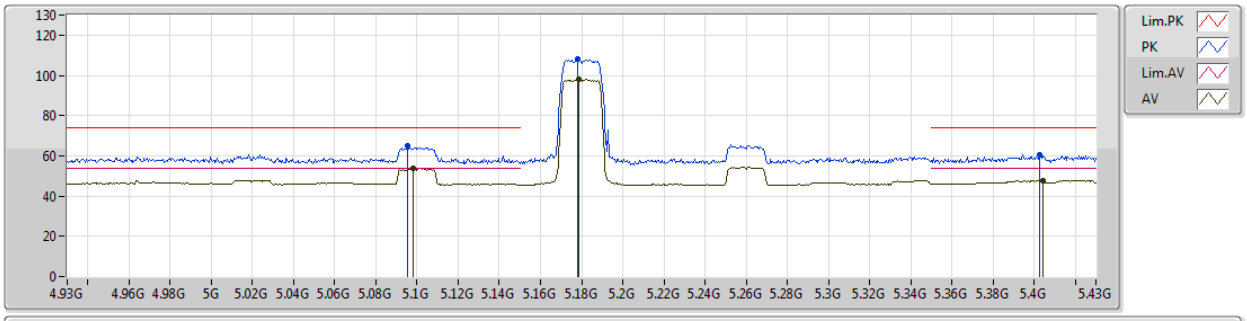
EUT Y_2TX
Setting 91
03-J-4
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.56266G	56.86	74.00	-17.14	14.48	3	Horizontal	172	2.00	-
AV	11.55765G	44.57	54.00	-9.43	14.48	3	Horizontal	172	2.00	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



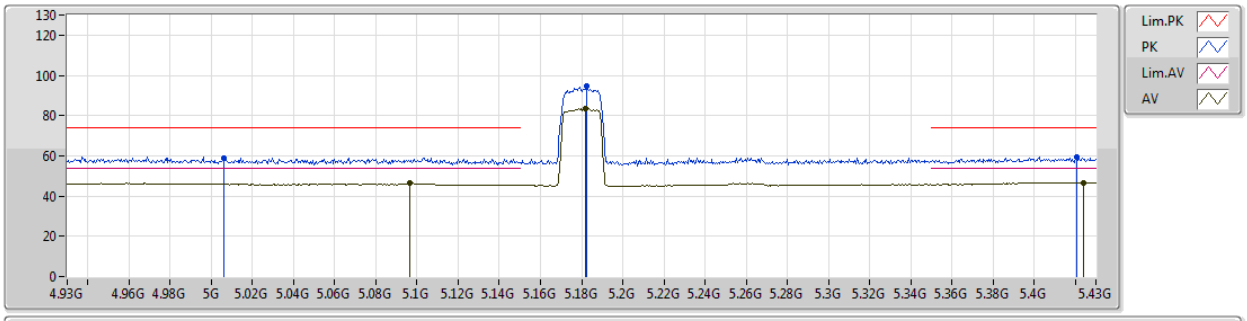
EUT Y_2TX
Setting 45
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0955G	64.85	74.00	-9.15	5.74	3	Vertical	274	1.75	-
AV	5.098G	53.78	54.00	-0.22	5.74	3	Vertical	274	1.75	-
PK	5.178G	108.15	Inf	-Inf	5.87	3	Vertical	274	1.75	-
AV	5.1785G	98.14	Inf	-Inf	5.87	3	Vertical	274	1.75	-
PK	5.4025G	60.32	74.00	-13.68	6.40	3	Vertical	274	1.75	-
AV	5.4045G	47.75	54.00	-6.25	6.40	3	Vertical	274	1.75	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



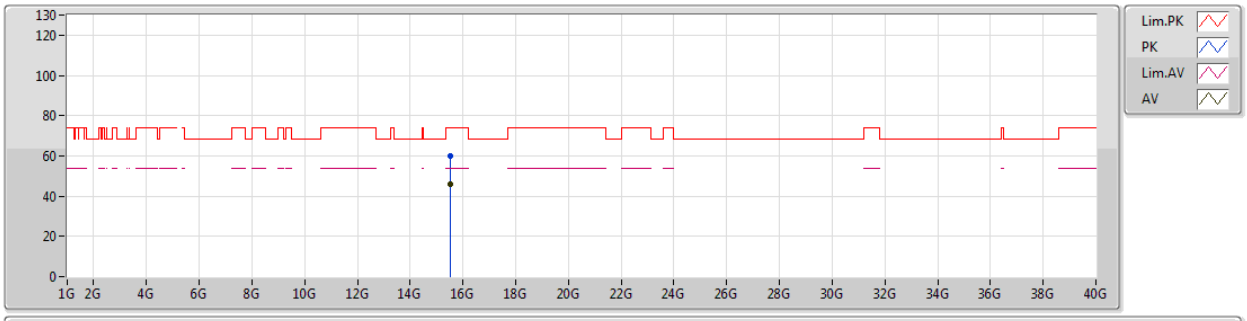
EUT Y_2TX
Setting 45
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.006G	59.05	74.00	-14.95	5.56	3	Horizontal	242	1.49	-
AV	5.0965G	46.37	54.00	-7.63	5.74	3	Horizontal	242	1.49	-
PK	5.1825G	94.45	Inf	-Inf	5.88	3	Horizontal	242	1.49	-
AV	5.182G	83.60	Inf	-Inf	5.88	3	Horizontal	242	1.49	-
PK	5.4205G	59.62	74.00	-14.38	6.42	3	Horizontal	242	1.49	-
AV	5.424G	46.70	54.00	-7.30	6.42	3	Horizontal	242	1.49	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



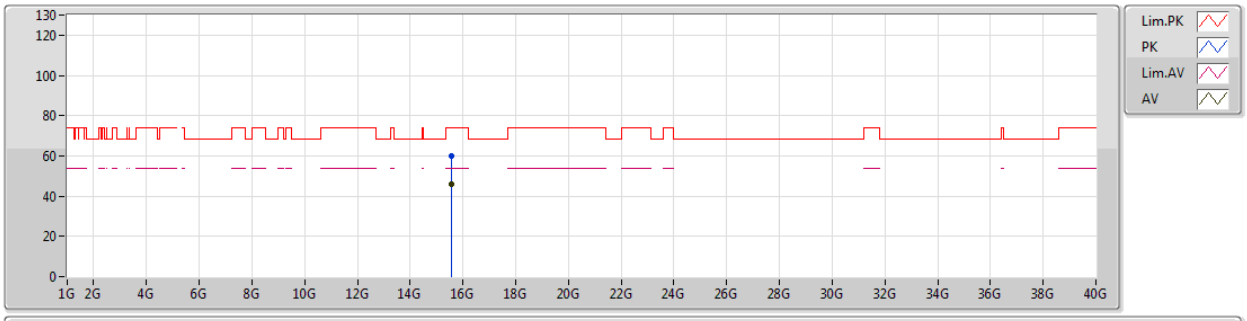
EUT Y_2TX
Setting 45
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.53034G	59.91	74.00	-14.09	15.30	3	Vertical	52	1.55	-
AV	15.54018G	46.09	54.00	-7.91	15.26	3	Vertical	52	1.55	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX

02/03/2019



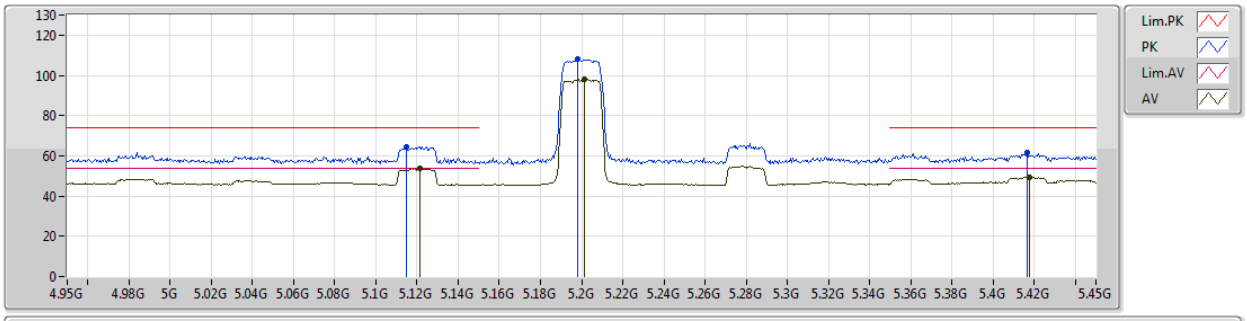
EUT Y_2TX
Setting 45
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.55026G	60.03	74.00	-13.97	15.22	3	Horizontal	186	2.24	-
AV	15.55437G	46.07	54.00	-7.93	15.21	3	Horizontal	186	2.24	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



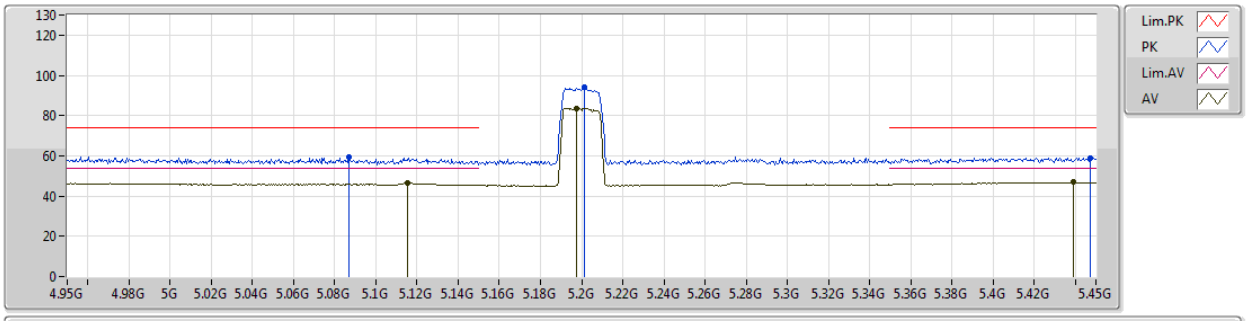
EUT Y_2TX
Setting 47
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.115G	64.55	74.00	-9.45	5.77	3	Vertical	264	1.55	-
AV	5.1215G	53.85	54.00	-0.15	5.78	3	Vertical	264	1.55	-
PK	5.198G	108.07	Inf	-Inf	5.91	3	Vertical	264	1.55	-
AV	5.2015G	98.26	Inf	-Inf	5.91	3	Vertical	264	1.55	-
PK	5.4165G	61.60	74.00	-12.40	6.42	3	Vertical	264	1.55	-
AV	5.4175G	49.29	54.00	-4.71	6.42	3	Vertical	264	1.55	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



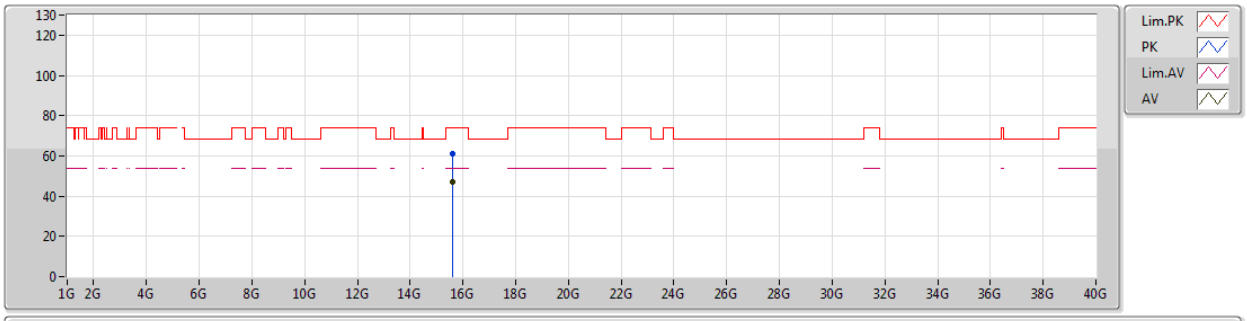
EUT Y_2TX
Setting 47
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.087G	59.19	74.00	-14.81	5.72	3	Horizontal	241	1.70	-
AV	5.1155G	46.33	54.00	-7.67	5.77	3	Horizontal	241	1.70	-
PK	5.2015G	94.26	Inf	-Inf	5.91	3	Horizontal	241	1.70	-
AV	5.1975G	83.77	Inf	-Inf	5.91	3	Horizontal	241	1.70	-
PK	5.4475G	59.10	74.00	-14.90	6.45	3	Horizontal	241	1.70	-
AV	5.439G	46.80	54.00	-7.20	6.44	3	Horizontal	241	1.70	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



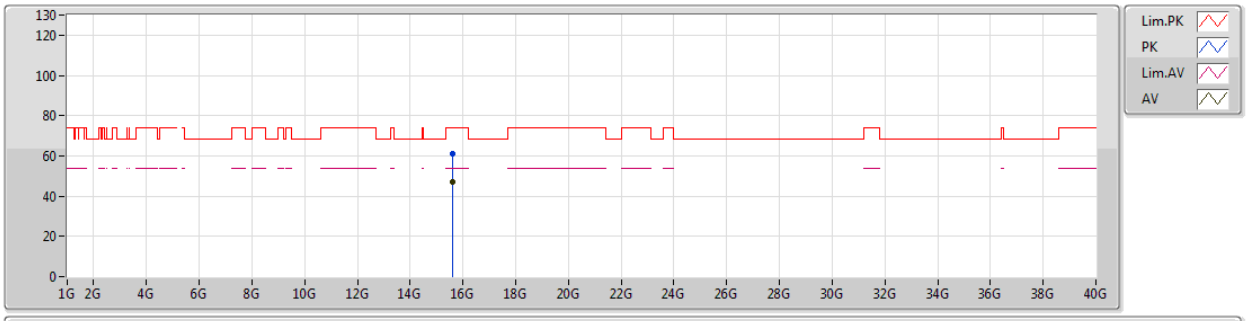
EUT Y_2TX
Setting 47
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.59844G	61.10	74.00	-12.90	15.03	3	Vertical	336	1.95	-
AV	15.60978G	46.99	54.00	-7.01	14.99	3	Vertical	336	1.95	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX

02/03/2019



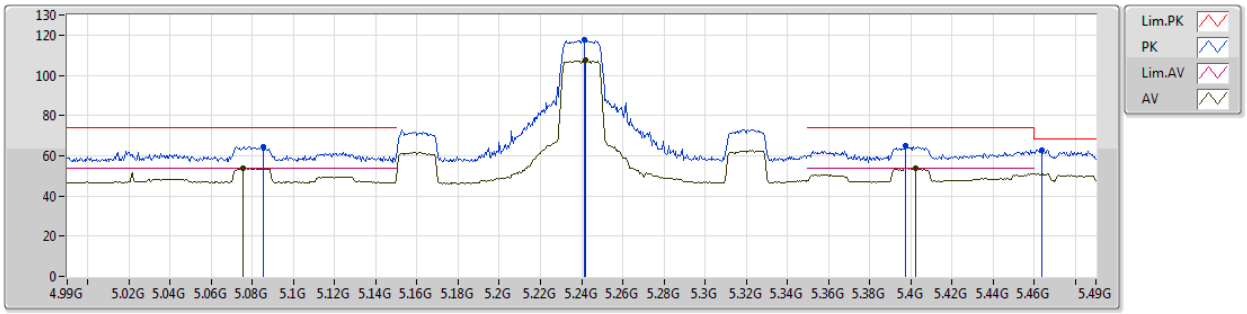
EUT Y_2TX
Setting 47
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.61341G	61.16	74.00	-12.84	14.98	3	Horizontal	339	1.84	-
AV	15.61323G	46.79	54.00	-7.21	14.98	3	Horizontal	339	1.84	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



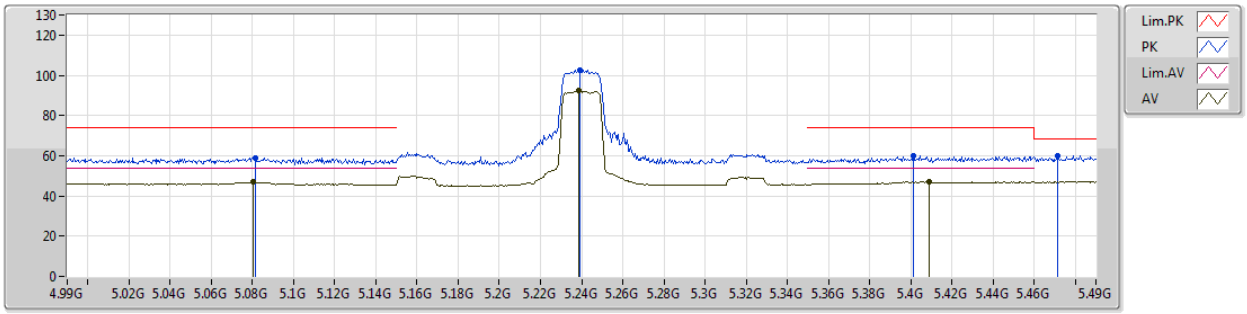
EUT Y_2TX
Setting 82
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0855G	64.57	74.00	-9.43	5.72	3	Vertical	268	1.99	-
AV	5.0755G	53.64	54.00	-0.36	5.70	3	Vertical	268	1.99	-
PK	5.2415G	117.47	Inf	-Inf	6.04	3	Vertical	268	1.99	-
AV	5.242G	107.77	Inf	-Inf	6.04	3	Vertical	268	1.99	-
PK	5.3975G	64.75	74.00	-9.25	6.40	3	Vertical	268	1.99	-
AV	5.4025G	53.81	54.00	-0.19	6.40	3	Vertical	268	1.99	-
PK	5.4635G	62.95	68.20	-5.25	6.45	3	Vertical	268	1.99	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



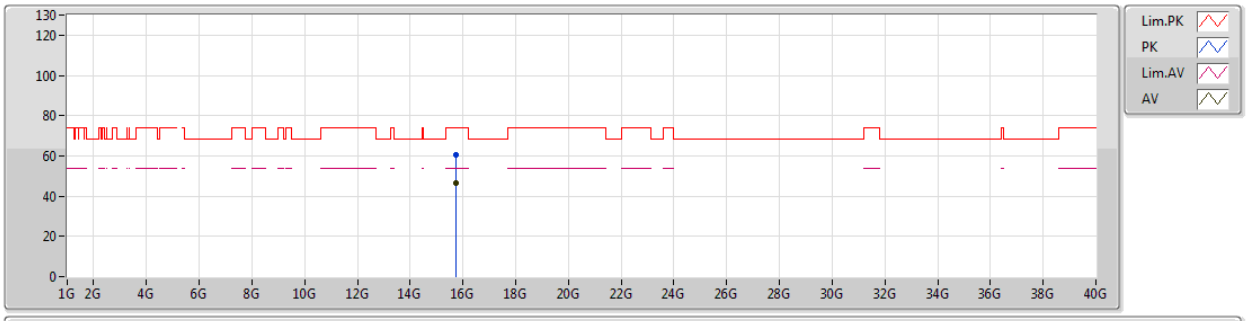
EUT Y_2TX
Setting 82
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0815G	58.95	74.00	-15.05	5.70	3	Horizontal	234	1.73	-
AV	5.0805G	46.83	54.00	-7.17	5.70	3	Horizontal	234	1.73	-
PK	5.239G	102.66	Inf	-Inf	6.03	3	Horizontal	234	1.73	-
AV	5.2385G	92.51	Inf	-Inf	6.03	3	Horizontal	234	1.73	-
PK	5.4015G	59.86	74.00	-14.14	6.40	3	Horizontal	234	1.73	-
AV	5.409G	47.06	54.00	-6.94	6.41	3	Horizontal	234	1.73	-
PK	5.4715G	60.11	68.20	-8.09	6.46	3	Horizontal	234	1.73	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



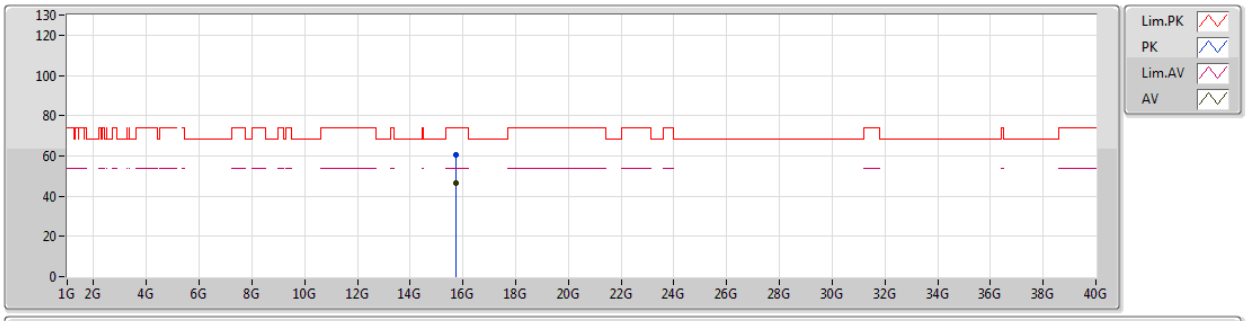
EUT Y_2TX
Setting 82
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.72144G	60.59	74.00	-13.41	14.58	3	Vertical	179	1.50	-
AV	15.71793G	46.39	54.00	-7.61	14.59	3	Vertical	179	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX

02/03/2019



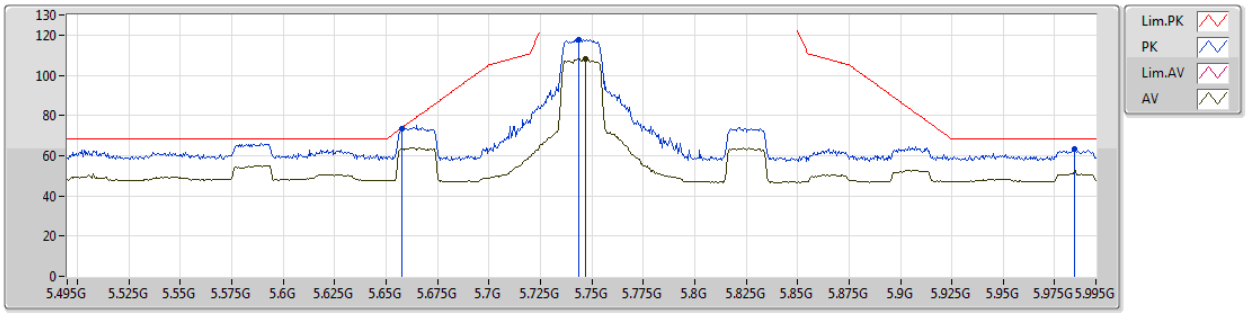
EUT Y_2TX
Setting 82
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7182G	60.28	74.00	-13.72	14.59	3	Horizontal	221	1.74	-
AV	15.72108G	46.35	54.00	-7.65	14.58	3	Horizontal	221	1.74	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



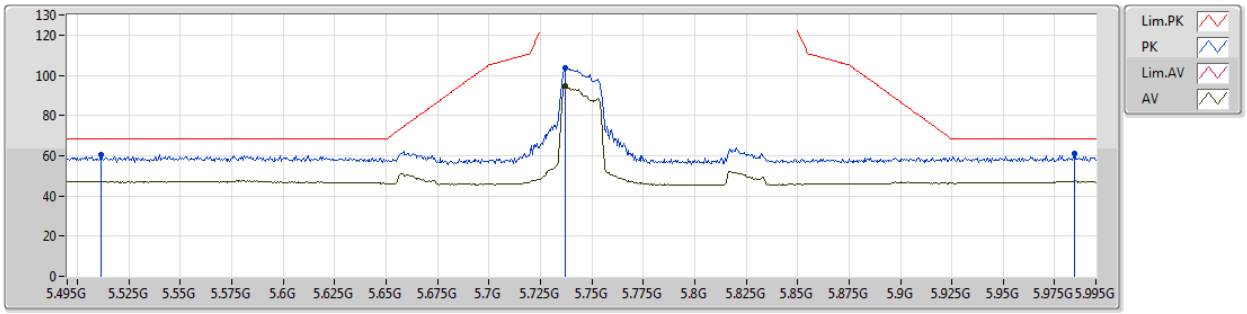
EUT Y_2TX
Setting 86
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6575G	73.61	73.75	-0.14	6.36	3	Vertical	273	1.67	-
PK	5.7435G	117.49	Inf	-Inf	6.41	3	Vertical	273	1.67	-
AV	5.747G	107.97	Inf	-Inf	6.41	3	Vertical	273	1.67	-
PK	5.9845G	63.34	68.20	-4.86	7.02	3	Vertical	273	1.67	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



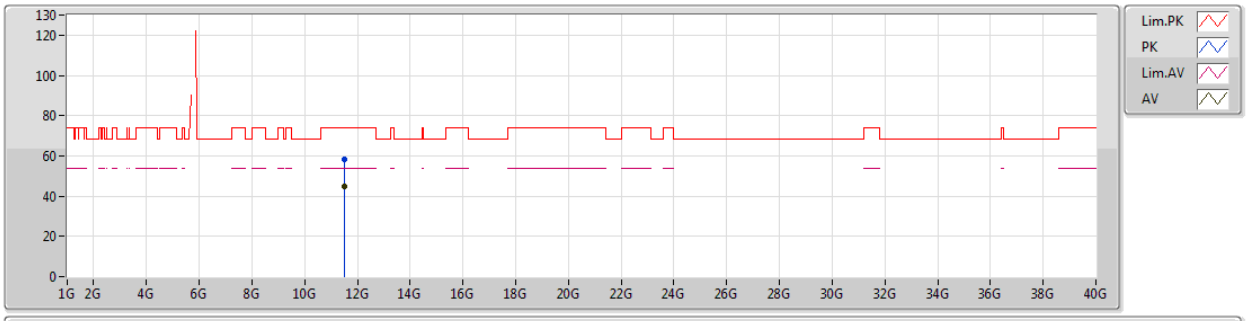
EUT Y_2TX
Setting 86
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5115G	60.69	68.20	-7.51	6.48	3	Horizontal	329	1.50	-
PK	5.737G	103.85	Inf	-Inf	6.40	3	Horizontal	329	1.50	-
AV	5.737G	94.47	Inf	-Inf	6.40	3	Horizontal	329	1.50	-
PK	5.9845G	60.85	68.20	-7.35	7.02	3	Horizontal	329	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



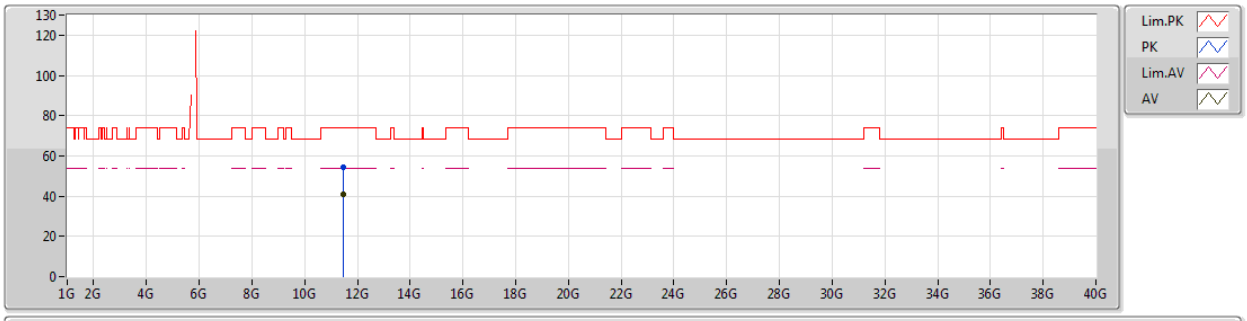
EUT Y_2TX
Setting 86
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.49756G	58.02	74.00	-15.98	14.42	3	Vertical	190	1.59	-
AV	11.49972G	44.61	54.00	-9.39	14.42	3	Vertical	190	1.59	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX

02/03/2019



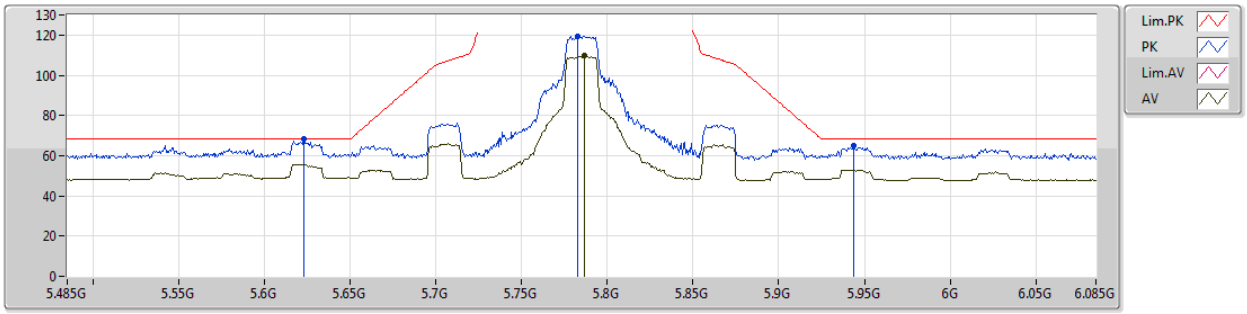
EUT Y_2TX
Setting 86
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.46018G	54.61	74.00	-19.39	14.39	3	Horizontal	243	1.87	-
AV	11.46012G	41.12	54.00	-12.88	14.39	3	Horizontal	243	1.87	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



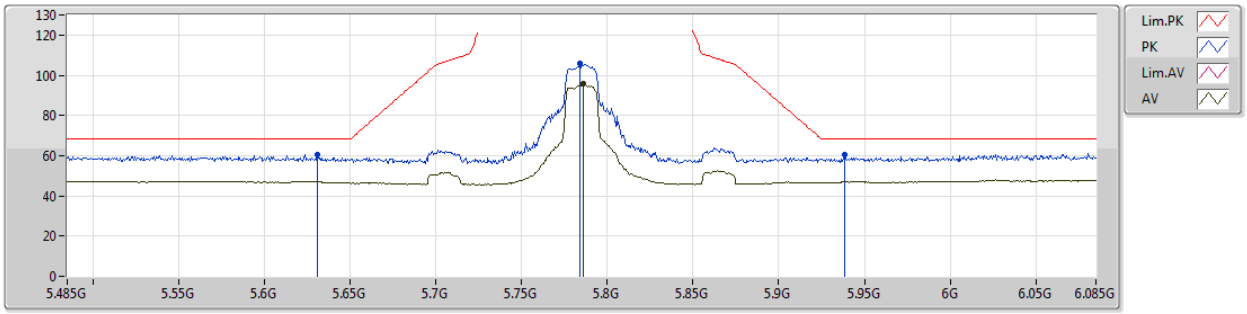
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.623G	68.10	68.20	-0.10	6.38	3	Vertical	263	1.72	-
PK	5.7826G	119.45	Inf	-Inf	6.44	3	Vertical	263	1.72	-
AV	5.7868G	109.62	Inf	-Inf	6.45	3	Vertical	263	1.72	-
PK	5.944G	64.84	68.20	-3.36	6.88	3	Vertical	263	1.72	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



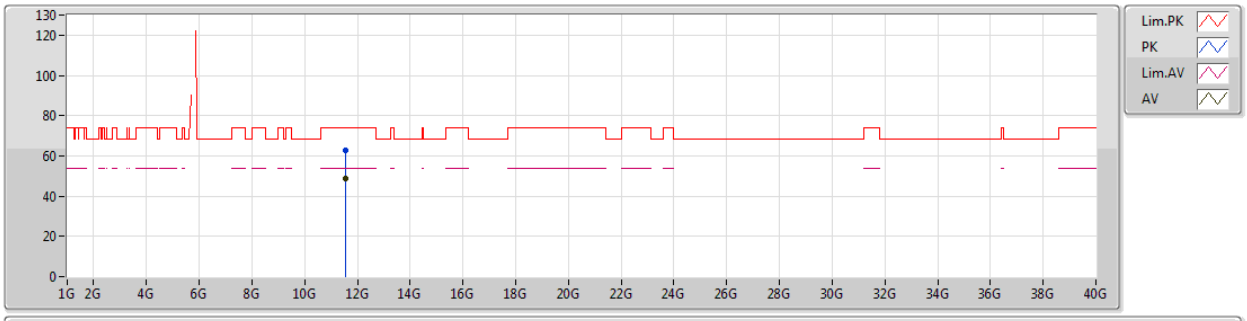
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6308G	60.43	68.20	-7.77	6.37	3	Horizontal	327	1.65	-
PK	5.7838G	105.67	Inf	-Inf	6.44	3	Horizontal	327	1.65	-
AV	5.7862G	95.69	Inf	-Inf	6.44	3	Horizontal	327	1.65	-
PK	5.9386G	60.38	68.20	-7.82	6.87	3	Horizontal	327	1.65	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



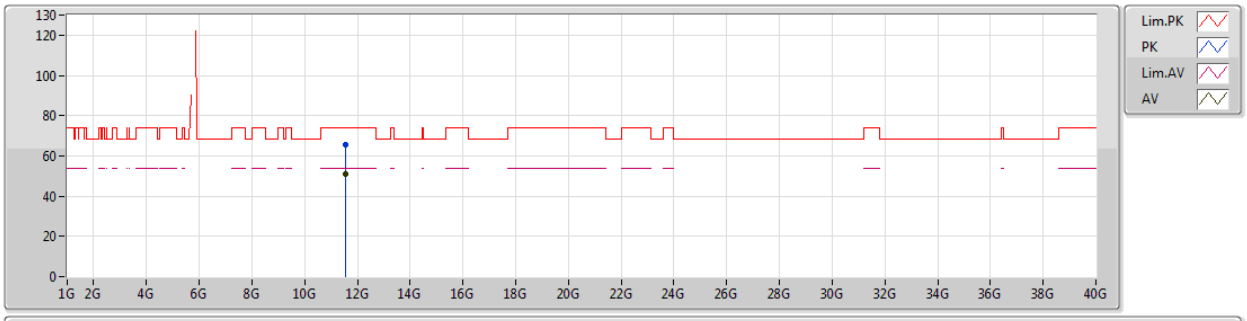
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5695G	62.56	74.00	-11.44	14.49	3	Vertical	192	1.50	-
AV	11.5701G	48.81	54.00	-5.19	14.50	3	Vertical	192	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX

02/03/2019



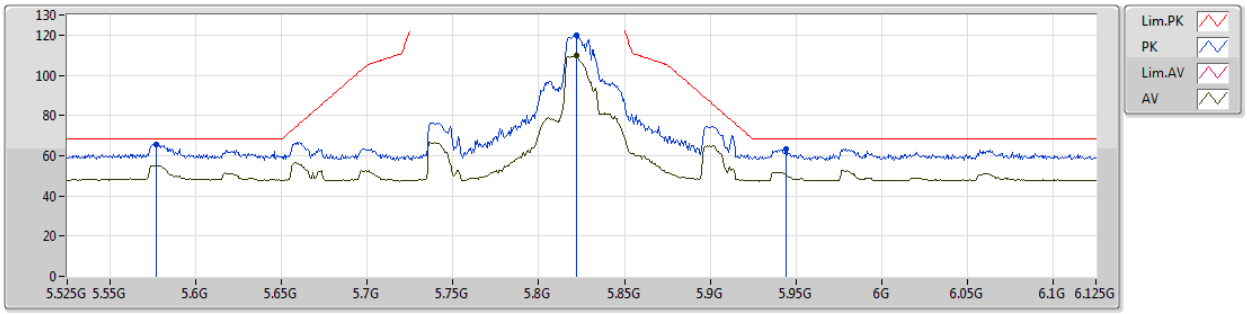
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57132G	65.55	74.00	-8.45	14.50	3	Horizontal	173	1.50	-
AV	11.5697G	50.80	54.00	-3.20	14.49	3	Horizontal	173	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

02/03/2019

5825MHz_TX



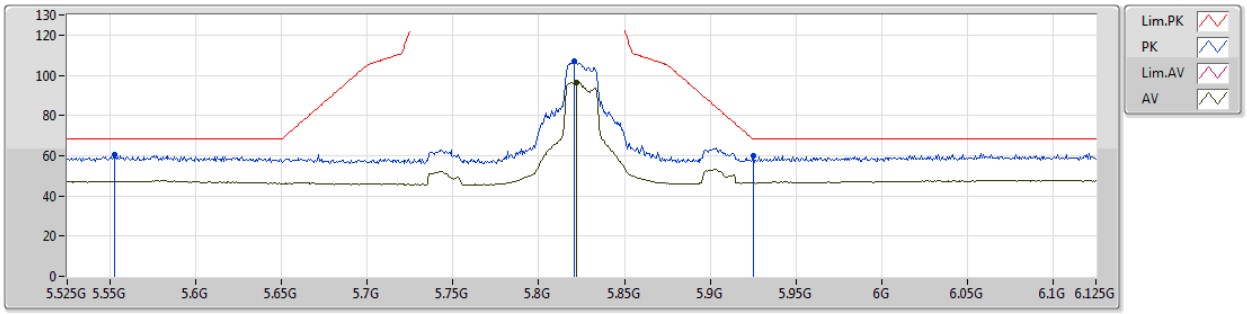
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5772G	65.84	68.20	-2.36	6.39	3	Vertical	192	1.50	-
PK	5.822G	120.03	Inf	-Inf	6.52	3	Vertical	192	1.50	-
AV	5.822G	109.69	Inf	-Inf	6.52	3	Vertical	192	1.50	-
PK	5.9444G	63.47	68.20	-4.73	6.88	3	Vertical	192	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

02/03/2019



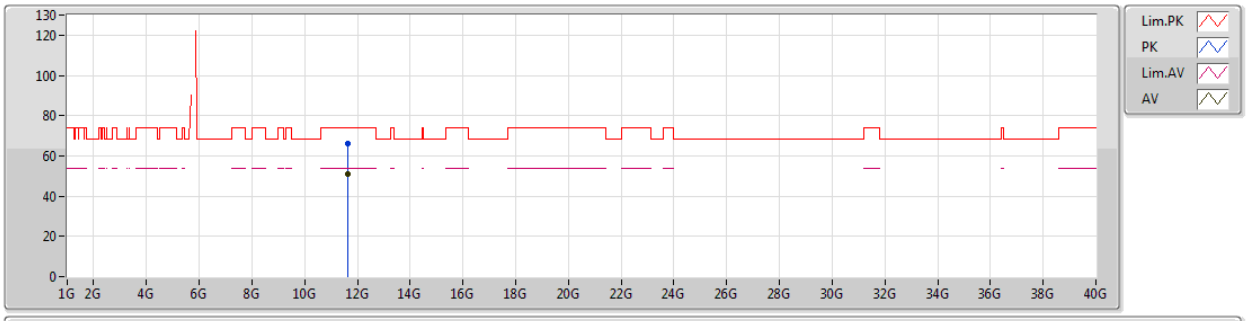
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5526G	60.48	68.20	-7.72	6.42	3	Horizontal	328	1.64	-
PK	5.8208G	106.93	Inf	-Inf	6.51	3	Horizontal	328	1.64	-
AV	5.822G	96.53	Inf	-Inf	6.52	3	Horizontal	328	1.64	-
PK	5.925G	59.82	68.20	-8.38	6.82	3	Horizontal	328	1.64	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

02/03/2019



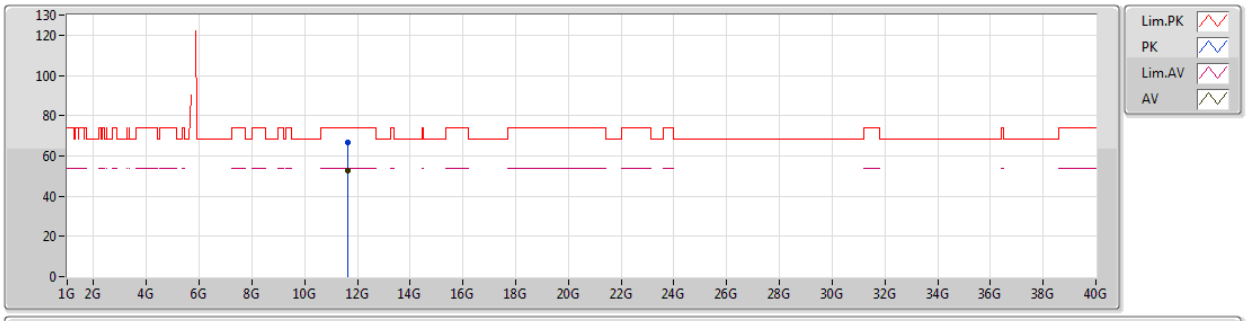
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65564G	65.91	74.00	-8.09	14.58	3	Vertical	186	1.55	-
AV	11.65732G	51.20	54.00	-2.80	14.57	3	Vertical	186	1.55	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX

02/03/2019



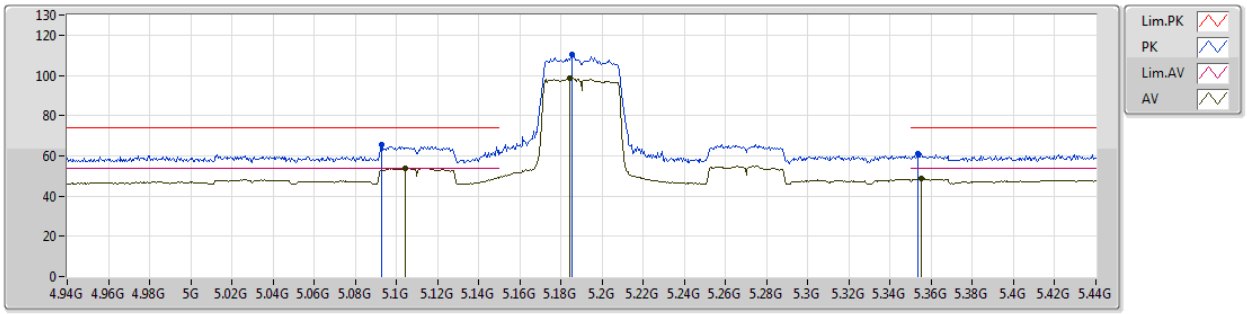
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.65078G	66.76	74.00	-7.24	14.58	3	Horizontal	190	2.05	-
AV	11.65372G	52.68	54.00	-1.32	14.58	3	Horizontal	190	2.05	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



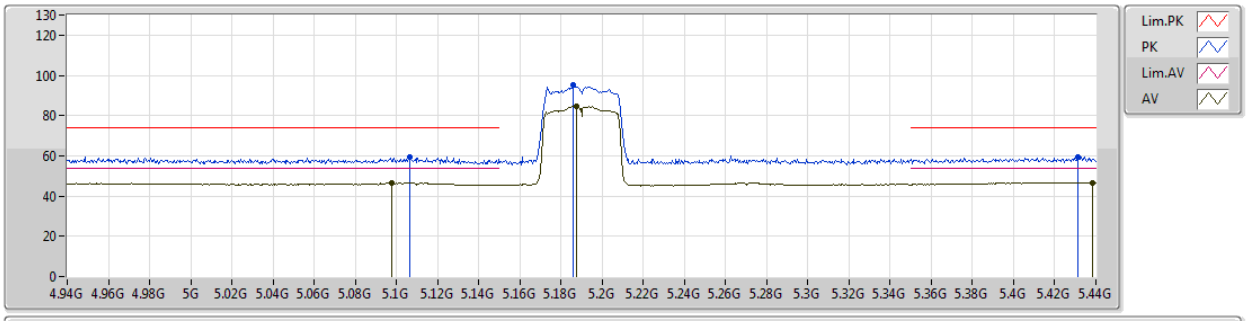
EUT Y_2TX
Setting 60
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.093G	65.63	74.00	-8.37	5.72	3	Vertical	275	1.80	-
AV	5.1045G	53.93	54.00	-0.07	5.74	3	Vertical	275	1.80	-
PK	5.1855G	110.54	Inf	-Inf	5.89	3	Vertical	275	1.80	-
AV	5.1845G	98.53	Inf	-Inf	5.88	3	Vertical	275	1.80	-
PK	5.3535G	61.27	74.00	-12.73	6.31	3	Vertical	275	1.80	-
AV	5.355G	48.56	54.00	-5.44	6.31	3	Vertical	275	1.80	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



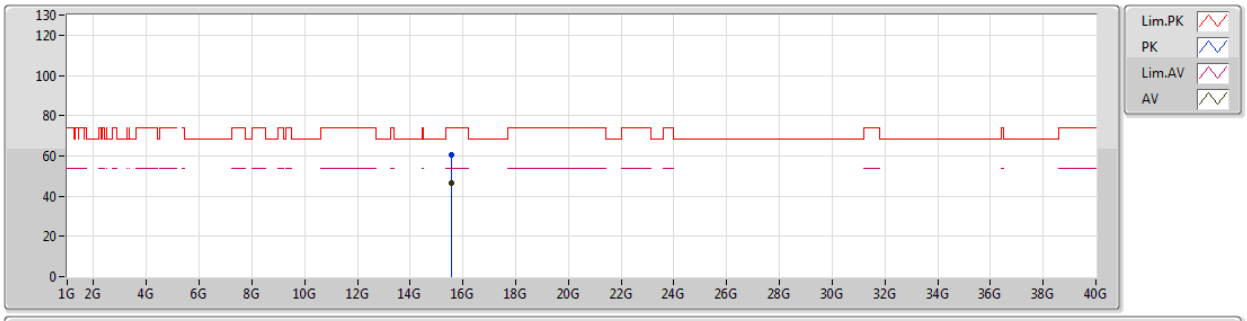
EUT Y_2TX
Setting 60
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1065G	59.61	74.00	-14.39	5.76	3	Horizontal	240	1.58	-
AV	5.0975G	46.51	54.00	-7.49	5.74	3	Horizontal	240	1.58	-
PK	5.186G	95.31	Inf	-Inf	5.89	3	Horizontal	240	1.58	-
AV	5.1875G	84.67	Inf	-Inf	5.89	3	Horizontal	240	1.58	-
PK	5.431G	59.47	74.00	-14.53	6.43	3	Horizontal	240	1.58	-
AV	5.4385G	46.75	54.00	-7.25	6.44	3	Horizontal	240	1.58	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



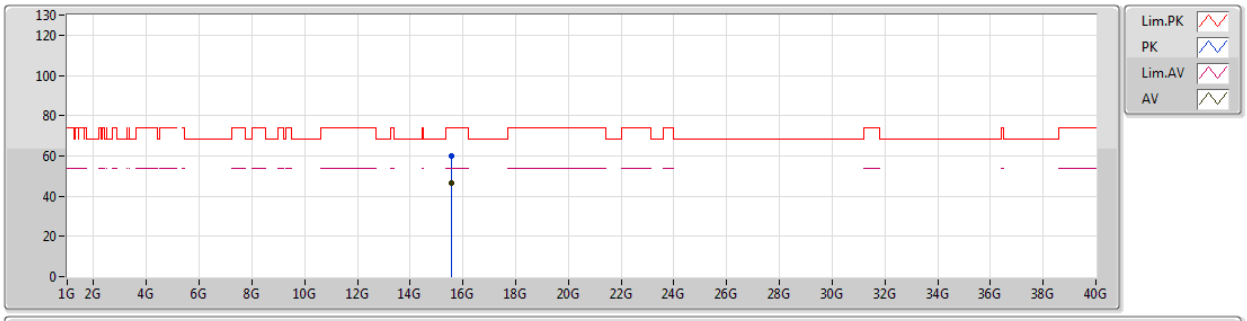
EUT Y_2TX
Setting 60
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.55875G	60.49	74.00	-13.51	15.18	3	Vertical	280	1.51	-
AV	15.58266G	46.33	54.00	-7.67	15.10	3	Vertical	280	1.51	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX

02/03/2019



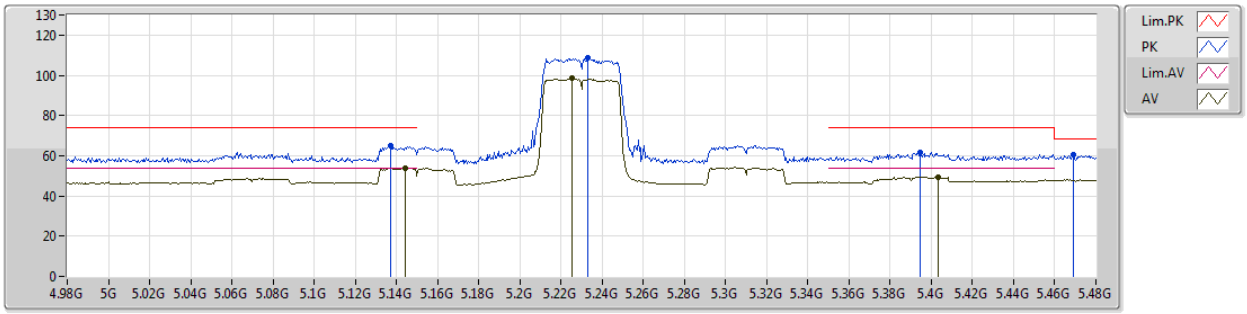
EUT Y_2TX
Setting 60
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.55659G	60.08	74.00	-13.92	15.19	3	Horizontal	98	1.46	-
AV	15.57984G	46.27	54.00	-7.73	15.11	3	Horizontal	98	1.46	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



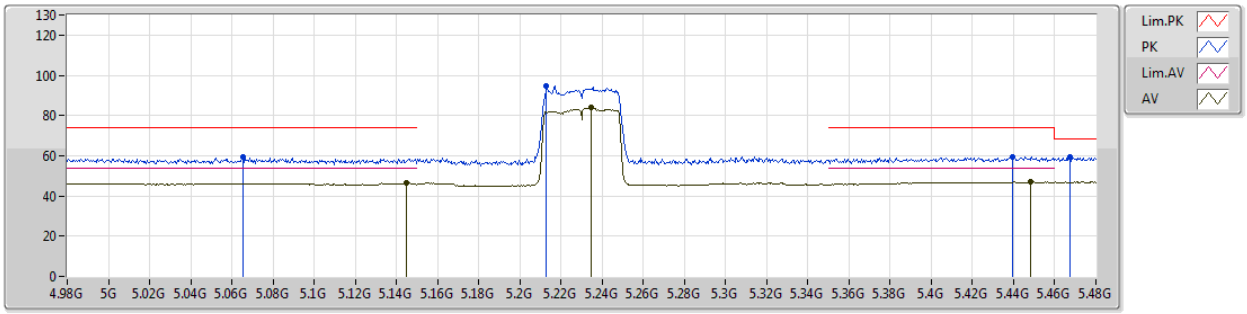
EUT Y_2TX
Setting 58
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.137G	64.94	74.00	-9.06	5.81	3	Vertical	269	1.70	-
AV	5.1445G	53.86	54.00	-0.14	5.82	3	Vertical	269	1.70	-
PK	5.233G	108.44	Inf	-Inf	6.02	3	Vertical	269	1.70	-
AV	5.2255G	98.54	Inf	-Inf	5.99	3	Vertical	269	1.70	-
PK	5.469G	60.49	68.20	-7.71	6.46	3	Vertical	269	1.70	-
AV	5.4035G	49.46	54.00	-4.54	6.40	3	Vertical	269	1.70	-
PK	5.3945G	61.77	74.00	-12.23	6.39	3	Vertical	269	1.70	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



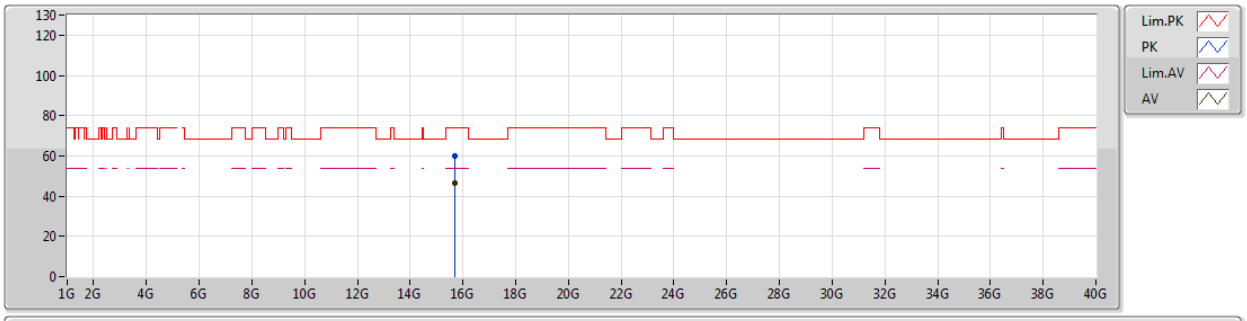
EUT Y_2TX
Setting 58
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.0655G	59.43	74.00	-14.57	5.68	3	Horizontal	238	1.54	-
PK	5.213G	94.74	Inf	-Inf	5.95	3	Horizontal	238	1.54	-
AV	5.145G	46.29	54.00	-7.71	5.83	3	Horizontal	238	1.54	-
AV	5.2345G	84.23	Inf	-Inf	6.02	3	Horizontal	238	1.54	-
PK	5.4395G	59.45	74.00	-14.55	6.44	3	Horizontal	238	1.54	-
AV	5.4485G	46.90	54.00	-7.10	6.45	3	Horizontal	238	1.54	-
PK	5.4675G	59.12	68.20	-9.08	6.46	3	Horizontal	238	1.54	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



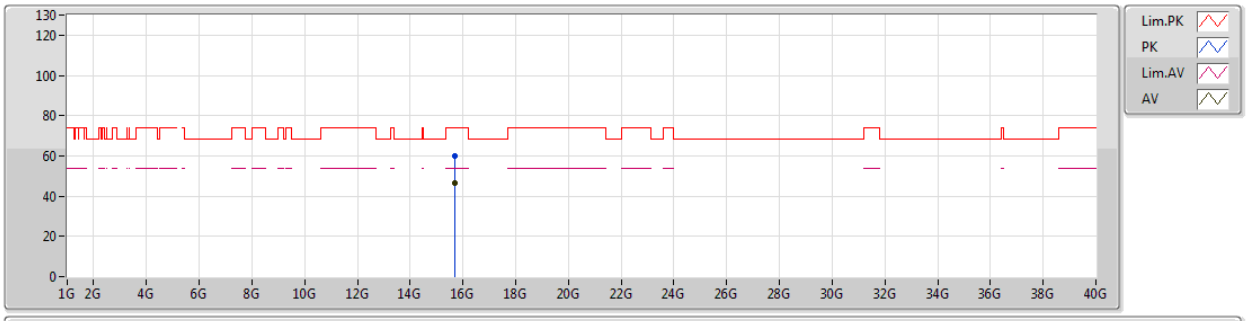
EUT Y_2TX
Setting 58
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.69834G	60.04	74.00	-13.96	14.65	3	Vertical	220	1.55	-
AV	15.67902G	46.33	54.00	-7.67	14.73	3	Vertical	220	1.55	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX

02/03/2019



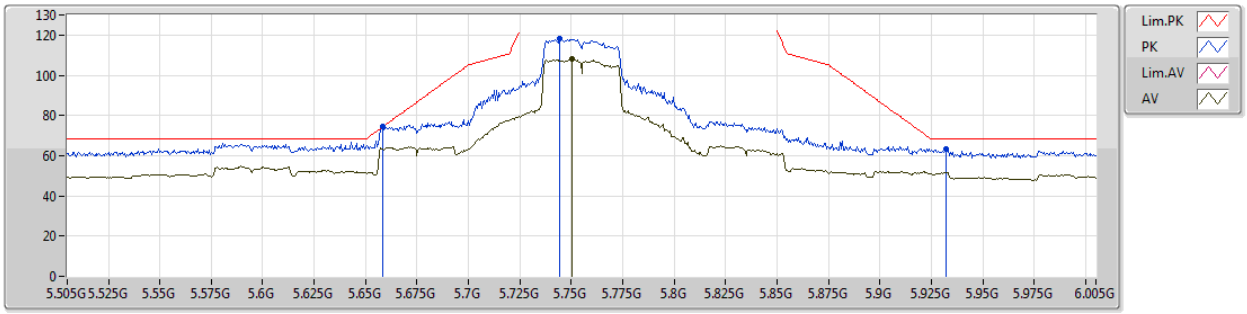
EUT Y_2TX
Setting 58
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.705G	59.97	74.00	-14.03	14.65	3	Horizontal	275	1.69	-
AV	15.67662G	46.25	54.00	-7.75	14.74	3	Horizontal	275	1.69	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



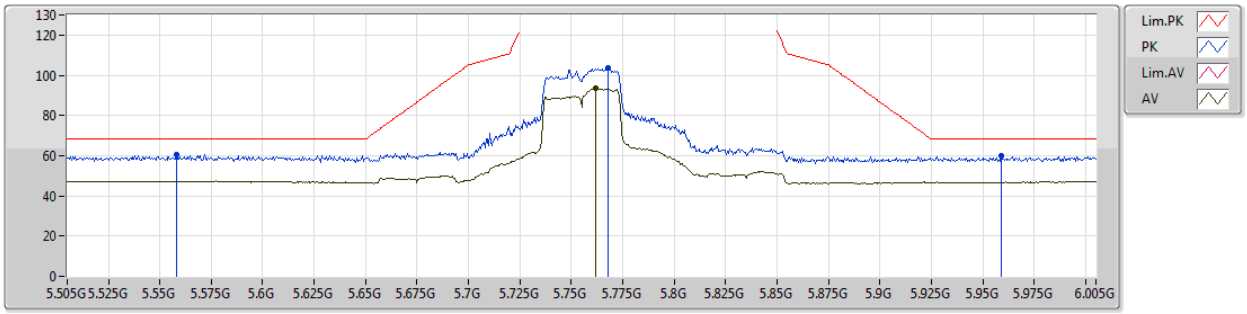
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.6585G	74.45	74.49	-0.04	6.36	3	Vertical	266	1.58	-
PK	5.7445G	117.96	Inf	-Inf	6.41	3	Vertical	266	1.58	-
AV	5.7505G	107.89	Inf	-Inf	6.42	3	Vertical	266	1.58	-
PK	5.932G	63.27	68.20	-4.93	6.84	3	Vertical	266	1.58	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



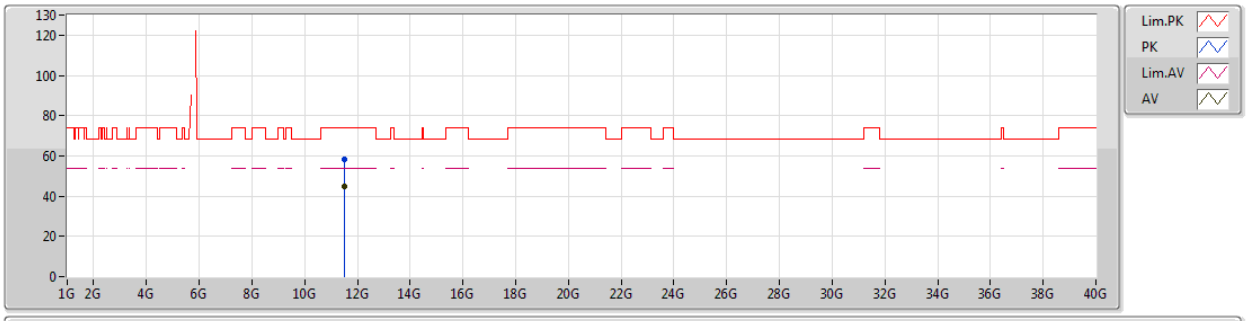
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.558G	60.51	68.20	-7.69	6.41	3	Horizontal	330	1.40	-
PK	5.768G	103.62	Inf	-Inf	6.43	3	Horizontal	330	1.40	-
AV	5.762G	93.52	Inf	-Inf	6.43	3	Horizontal	330	1.40	-
PK	5.959G	59.78	68.20	-8.42	6.93	3	Horizontal	330	1.40	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

02/03/2019

5755MHz_TX



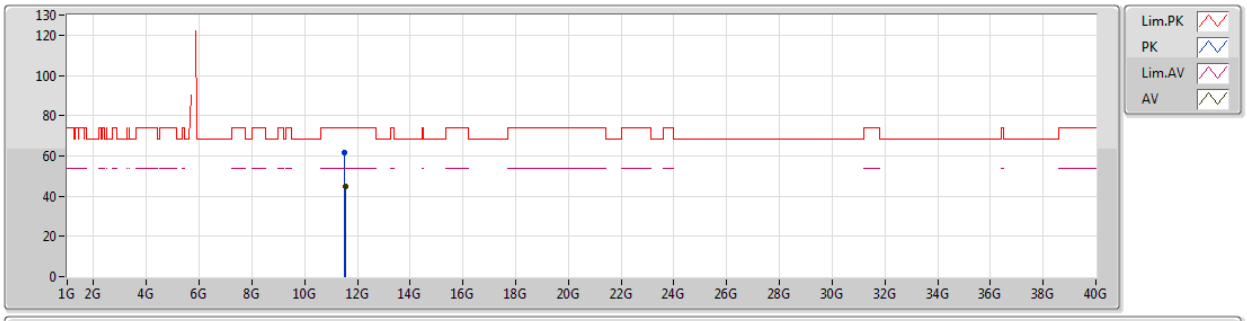
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5118G	58.25	74.00	-15.75	14.44	3	Vertical	187	1.55	-
AV	11.51024G	44.82	54.00	-9.18	14.44	3	Vertical	187	1.55	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX

02/03/2019



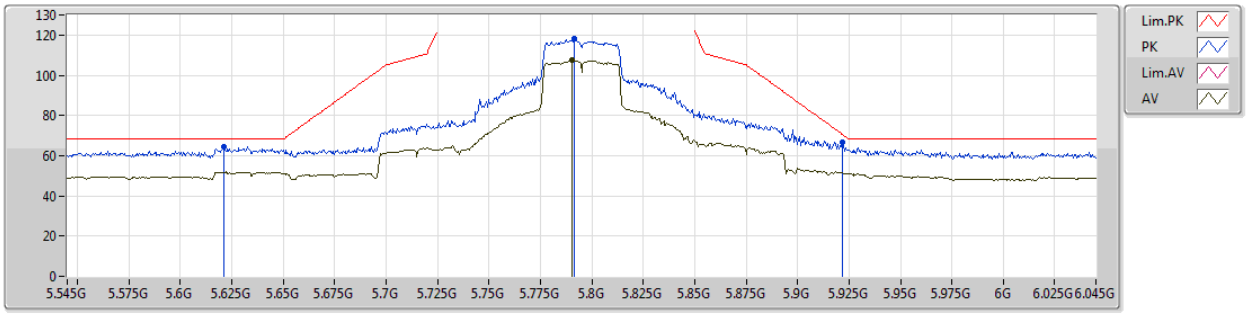
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.51012G	61.56	74.00	-12.44	14.44	3	Horizontal	74	1.50	-
AV	11.52986G	44.93	54.00	-9.07	14.46	3	Horizontal	74	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



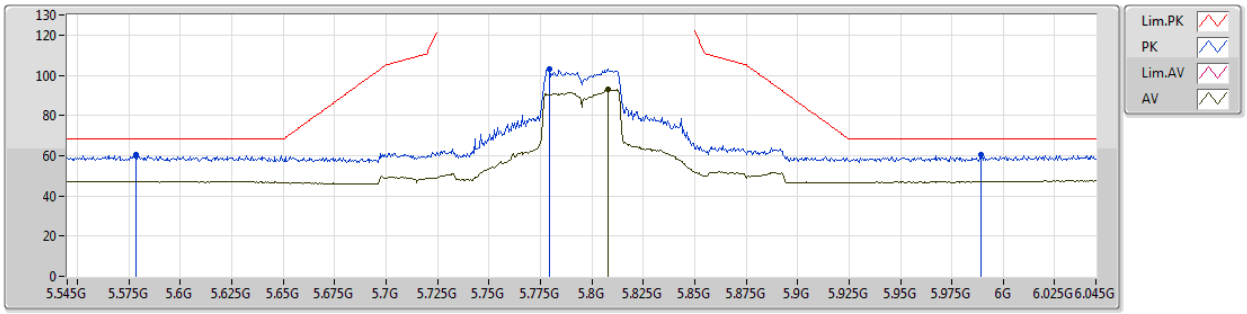
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.621G	64.44	68.20	-3.76	6.37	3	Vertical	91	1.55	-
PK	5.7915G	118.15	Inf	-Inf	6.45	3	Vertical	91	1.55	-
AV	5.7905G	107.39	Inf	-Inf	6.45	3	Vertical	91	1.55	-
PK	5.922G	66.95	70.42	-3.47	6.81	3	Vertical	91	1.55	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



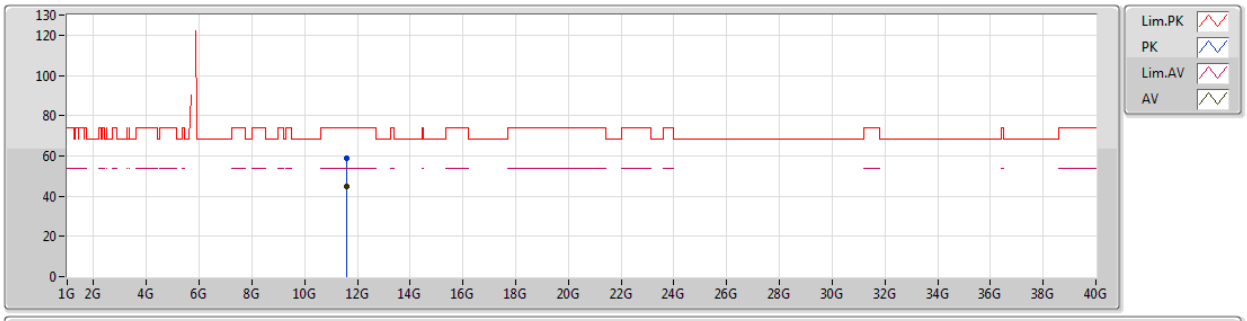
EUT Y_2TX
Setting 98
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5785G	60.48	68.20	-7.72	6.39	3	Horizontal	330	1.34	-
PK	5.7795G	103.00	Inf	-Inf	6.44	3	Horizontal	330	1.34	-
AV	5.808G	92.77	Inf	-Inf	6.49	3	Horizontal	330	1.34	-
PK	5.989G	60.40	68.20	-7.80	7.04	3	Horizontal	330	1.34	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



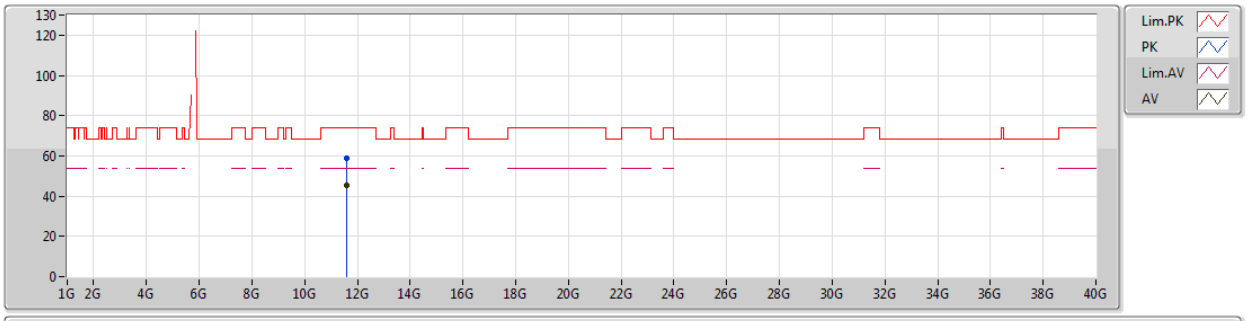
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59126G	58.94	74.00	-15.06	14.51	3	Vertical	206	1.46	-
AV	11.58994G	44.92	54.00	-9.08	14.51	3	Vertical	206	1.46	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX

02/03/2019



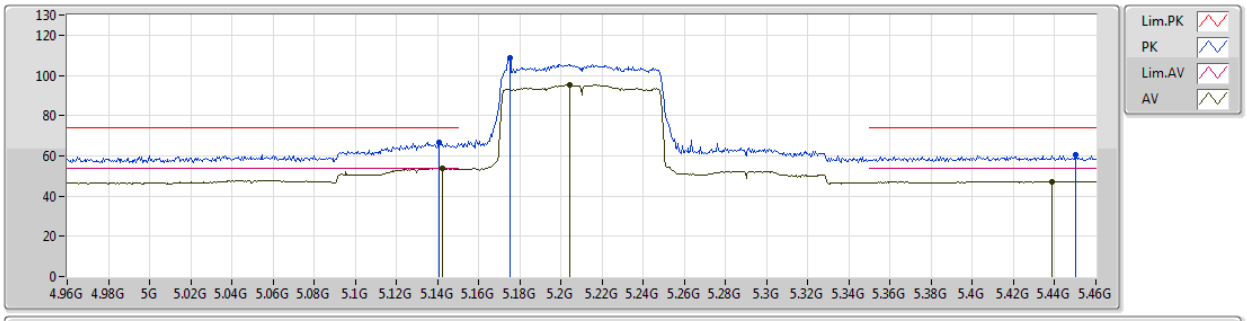
EUT Y_2TX
Setting 98
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59714G	58.83	74.00	-15.17	14.52	3	Horizontal	175	2.04	-
AV	11.5936G	45.29	54.00	-8.71	14.53	3	Horizontal	175	2.04	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



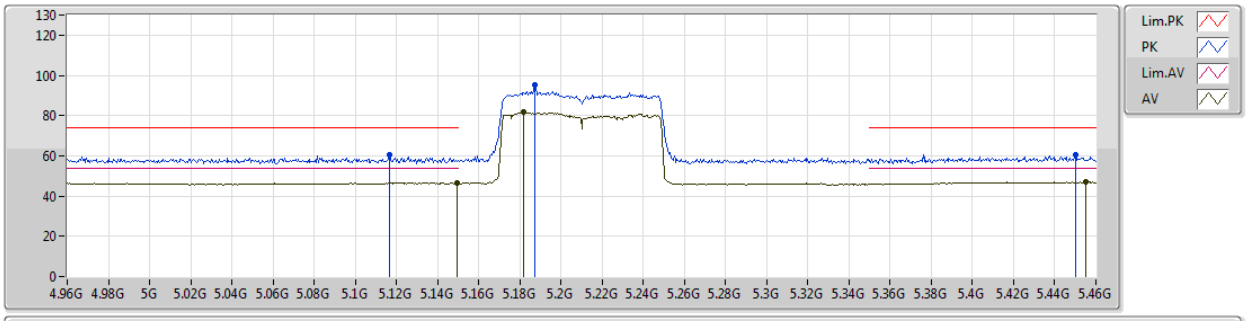
EUT Y_2TX
Setting 62
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1405G	66.62	74.00	-7.38	5.81	3	Vertical	97	1.50	-
AV	5.1425G	53.87	54.00	-0.13	5.81	3	Vertical	97	1.50	-
PK	5.175G	108.93	Inf	-Inf	5.87	3	Vertical	97	1.50	-
AV	5.2045G	95.24	Inf	-Inf	5.92	3	Vertical	97	1.50	-
PK	5.45G	60.48	74.00	-13.52	6.45	3	Vertical	97	1.50	-
AV	5.4385G	47.32	54.00	-6.68	6.44	3	Vertical	97	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



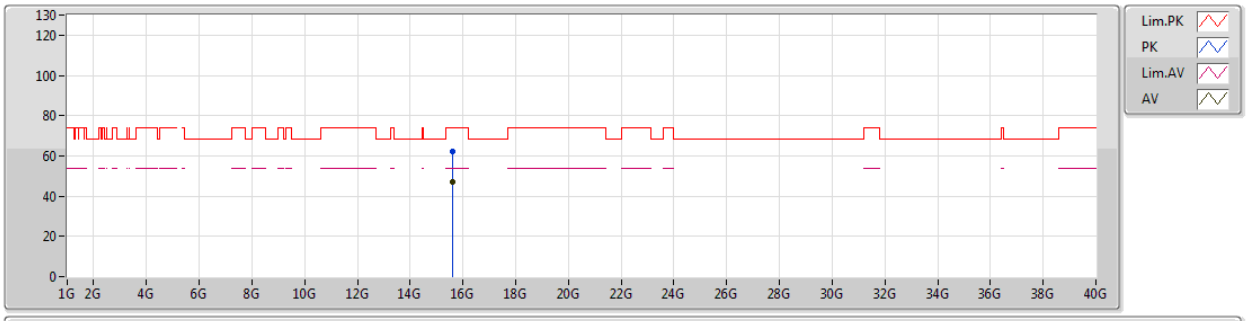
EUT Y_2TX
Setting 62
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1165G	60.55	74.00	-13.45	5.77	3	Horizontal	238	1.50	-
AV	5.1495G	46.56	54.00	-7.44	5.83	3	Horizontal	238	1.50	-
PK	5.187G	95.38	Inf	-Inf	5.89	3	Horizontal	238	1.50	-
AV	5.182G	81.55	Inf	-Inf	5.88	3	Horizontal	238	1.50	-
PK	5.45G	60.75	74.00	-13.25	6.45	3	Horizontal	238	1.50	-
AV	5.455G	46.91	54.00	-7.09	6.44	3	Horizontal	238	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



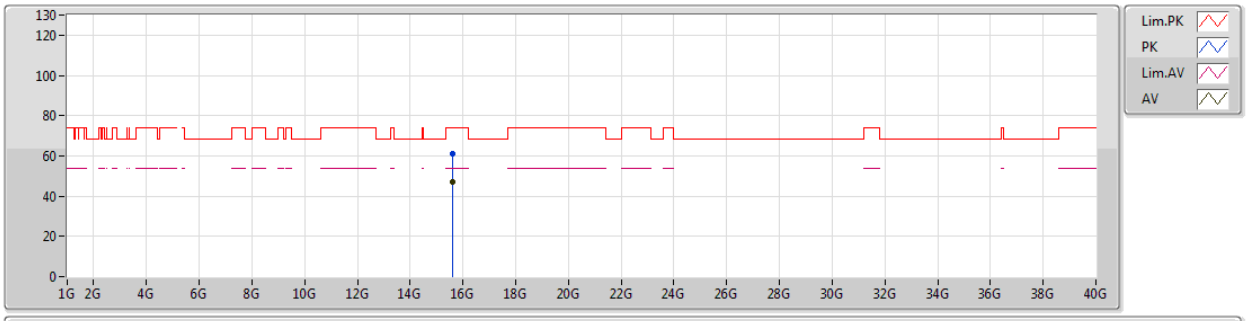
EUT Y_2TX
Setting 62
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.60258G	62.02	74.00	-11.98	15.02	3	Vertical	177	1.54	-
AV	15.62712G	47.34	54.00	-6.66	14.93	3	Vertical	177	1.54	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX

02/03/2019



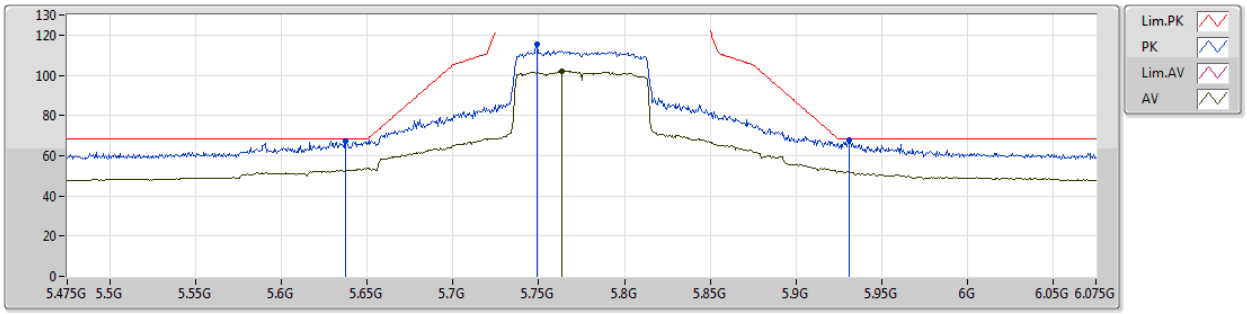
EUT Y_2TX
Setting 62
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.62958G	61.32	74.00	-12.68	14.92	3	Horizontal	59	1.69	-
AV	15.61764G	47.31	54.00	-6.69	14.97	3	Horizontal	59	1.69	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



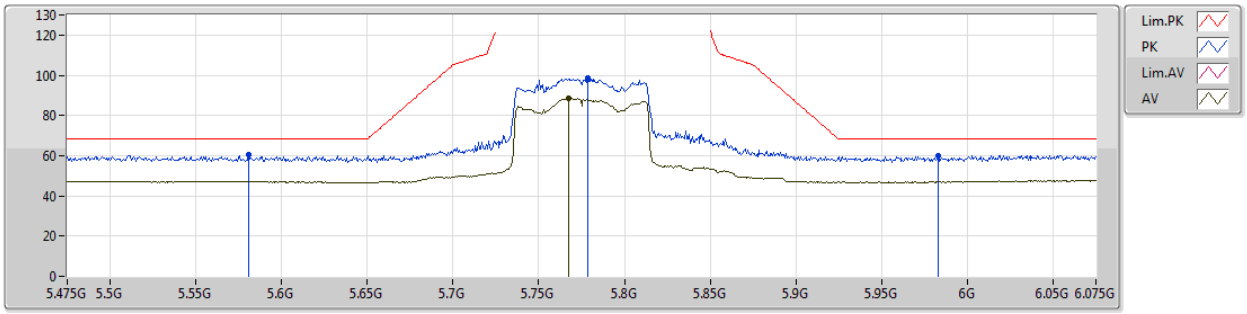
EUT Y_2TX
Setting 89
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.637G	67.14	68.20	-1.06	6.37	3	Vertical	279	1.67	-
PK	5.7492G	115.43	Inf	-Inf	6.41	3	Vertical	279	1.67	-
AV	5.7636G	101.97	Inf	-Inf	6.43	3	Vertical	279	1.67	-
PK	5.931G	67.97	68.20	-0.23	6.83	3	Vertical	279	1.67	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



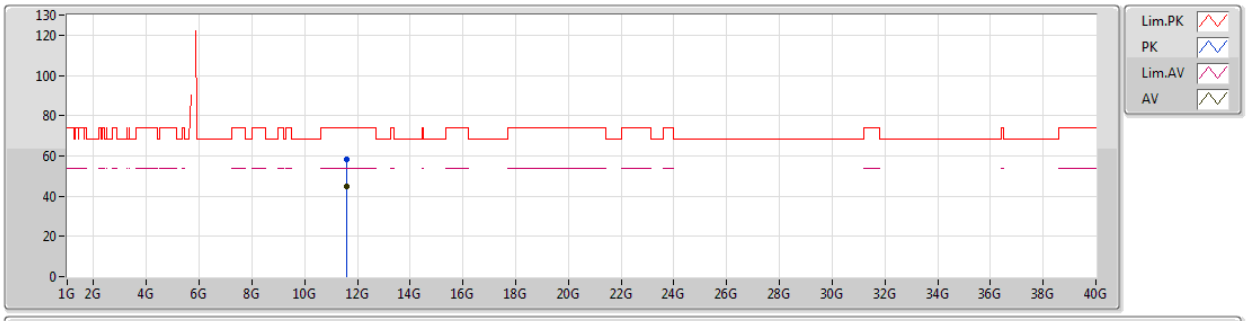
EUT Y_2TX
Setting 89
03-E-3-10
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.5806G	60.48	68.20	-7.72	6.39	3	Horizontal	328	1.50	-
PK	5.7786G	98.46	Inf	-Inf	6.44	3	Horizontal	328	1.50	-
AV	5.7672G	88.54	Inf	-Inf	6.43	3	Horizontal	328	1.50	-
PK	5.9832G	59.74	68.20	-8.46	7.02	3	Horizontal	328	1.50	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



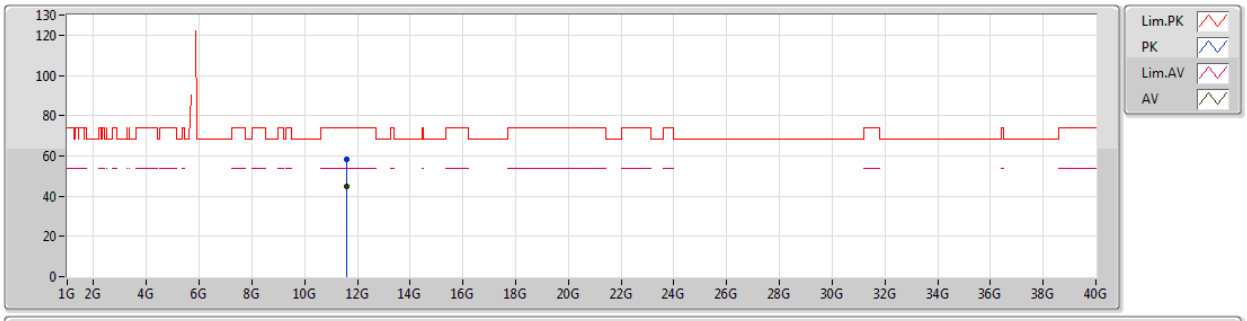
EUT Y_2TX
Setting 89
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.57694G	58.30	74.00	-15.70	14.50	3	Vertical	108	1.45	-
AV	11.57418G	44.82	54.00	-9.18	14.50	3	Vertical	108	1.45	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX

02/03/2019



EUT Y_2TX
Setting 89
03-E-3
FSP(100019)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5743G	58.42	74.00	-15.58	14.50	3	Horizontal	121	1.40	-
AV	11.57466G	44.73	54.00	-9.27	14.50	3	Horizontal	121	1.40	-