FCC Test Report

Equipment	:	AC4000 MU-MIMO Tri-Band Wi-Fi Router
Brand Name	:	tp-link
Model No.	:	Archer C4000
FCC ID	:	TE7C4000
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5150 MHz – 5250 MHz 5725 MHz – 5850 MHz
Applicant	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China
Manufacturer	:	TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park,Shennan Rd, Nanshan, Shenzhen,China
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client

The product sample received on Sep. 12, 2017 and completely tested on Oct. 31, 2017. We, SPORTON, 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Cliff Chang
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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Summary of Test Result

Conformance Test Specifications			
Report Clause	**Ref. Std. Clause**	**Description**	**Result**
1.1.2	15.203	Antenna Requirement	Complied
3.1	15.207	AC Power-line Conducted Emissions	Complied
3.2	15.407(a)	Emission Bandwidth	Complied
3.3	15.407(a)	Maximum Conducted Output Power	Complied
3.4	15.407(a)	Peak Power Spectral Density	Complied
3.5	15.407(b)	Unwanted Emissions	Complied
3.6	15.407(g)	Frequency Stability	Complied

Revision History

Report No.	Version	Description	Issued Date
FR791103AB	Rev. 01	Initial issue of report	Nov. 30, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	3TX
5.15-5.25GHz	802.11ac VHT20	20	3TX
5.15-5.25GHz	802.11ac VHT20-BF	20	3TX
5.15-5.25GHz	802.11n HT40	40	3TX
5.15-5.25GHz	802.11ac VHT40	40	3TX
5.15-5.25GHz	802.11ac VHT40-BF	40	3TX
5.15-5.25GHz	802.11ac VHT80	80	3TX
5.15-5.25GHz	802.11ac VHT80-BF	80	3TX
5.725-5.85GHz	802.11a	20	3TX
5.725-5.85GHz	802.11n HT20	20	3TX
5.725-5.85GHz	802.11ac VHT20	20	3TX
5.725-5.85GHz	802.11ac VHT20-BF	20	3TX
5.725-5.85GHz	802.11n HT40	40	3TX
5.725-5.85GHz	802.11ac VHT40	40	3TX
5.725-5.85GHz	802.11ac VHT40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT80	80	3TX
5.725-5.85GHz	802.11ac VHT80-BF	80	3TX

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

1.1.2 Antenna Information

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)		
						2.4GHz	5GHz (Band 1)	5GHz (Band 4)
1	1	TP-LINK	3101500737	Dipole	I-PEX	1.8	1.8	-
2	2	TP-LINK	3101500737	Dipole	I-PEX	1.8	1.8	-
3	3	TP-LINK	3101500737	Dipole	I-PEX	1.8	1.8	-
4	1	TP-LINK	3101500734	Dipole	I-PEX	-	-	1.8
5	2	TP-LINK	3101500734	Dipole	I-PEX	-	-	1.8
6	3	TP-LINK	3101500734	Dipole	I-PEX	-	-	1.8

Note: The EUT has six antennas.

<For 2.4GHz Band>

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

Port 1, Port 2 and Port 3 can be used as transmitting/receiving antenna.

Port 1, Port 2 and Port 3 could transmit/receive simultaneously.

<For 5GHz Band>

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

Port 1, Port 2 and Port 3 can be used as transmitting/receiving antenna.

Port 1, Port 2 and Port 3 could transmit/receive simultaneously.

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.987	0.057	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.951	0.218	3.84m	300
802.11ac VHT40	0.957	0.191	947.5u	3k
802.11ac VHT40-BF	0.963	0.164	4.593m	300
802.11ac VHT80	0.925	0.339	462.5u	3k
802.11ac VHT80-BF	0.894	0.487	5.093m	300

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 802.11ac in 5GHz			
Test Software Version	Non-beamforming: accessMTool_0.0.0.1.exe beamforming: Telnet			

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 v01r04
- FCC KDB 644545 D03 v01
- FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
		TEL :	886-3-327-3456 FAX : 886-3-318-0055
☒	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	Ron Huang	25.5°C / 57%	Sep. 22, 2017~ Oct. 17, 2017
Radiated	03CH01-CB	Welson Chen / Mason Chen	22°C / 54%	Oct. 19, 2017~ Oct. 31, 2017
AC Conduction	CO01-CB	GN Hou	24°C / 62%	Sep. 19, 2017

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

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%
Frequency Stability	6.06×10^{-8}	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5180MHz	78
5200MHz	90
5240MHz	90
5745MHz	94
5785MHz	94
5825MHz	93
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	74
5200MHz	90
5240MHz	90
5745MHz	94
5785MHz	94
5825MHz	94
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	59
5230MHz	86
5755MHz	86
5795MHz	87
802.11ac VHT80_Nss1,(MCS0)_3TX	-
5210MHz	58
5775MHz	75
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	79
5200MHz	89
5240MHz	90
5745MHz	90
5785MHz	87
5825MHz	89
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	67
5230MHz	89
5755MHz	87
5795MHz	87
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	68
5775MHz	73

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 802.11ac. 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 AC Adapter

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	Place EUT in Y axis with AC Adapter
2	Place EUT in Z axis with AC Adapter
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT can be placed in Y-axis and Z-axis. After evaluating, The worst case was found at Y axis for Band 1 and Z axis for Band 4. Consequently, measurement will follow this same test mode.	
1	Place EUT in Y axis with 5GHz (Band 1)
	Place EUT in Z axis with 5GHz (Band 4)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Place EUT in Y axis with 2.4GHz + 5GHz
2	Place EUT in Z axis with 2.4GHz + 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	Normal Link
1	WLAN 2.4GHz + 5GHz Band 1/2 + 5GHz Band 3/4
Refer to Sporton Test Report No.: FA791103 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories					
No.	**Equipment Name**	**Brand Name**	**Model Name**	**Rating**	**DC Power Line**
1	Adapter	Huntkey	HKA06012050-7G	Input: 100-240V~ 1.5A 50/60Hz Output: 12.0V, 5.0A	Non-shielded, 0.2m
Others					
Power Cable*1: Non-Shielded, 2.6m					

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*5	DELL	E6430	DoC
2	Flash disk	Transcend	604108 8255	DoC
3	Flash disk3.0	Transcend	JetFlash-700	DoC

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	NB*3	Apple	Mac Book	DoC
3	Flash disk	Silicon Power	B06	DoC
4	Flash disk3.0	Silicon Power	B06	DoC

For Test Site No: 03CH01-CB (above 1GHz) and TH01-CB
<For Non-Beamforming Mode>

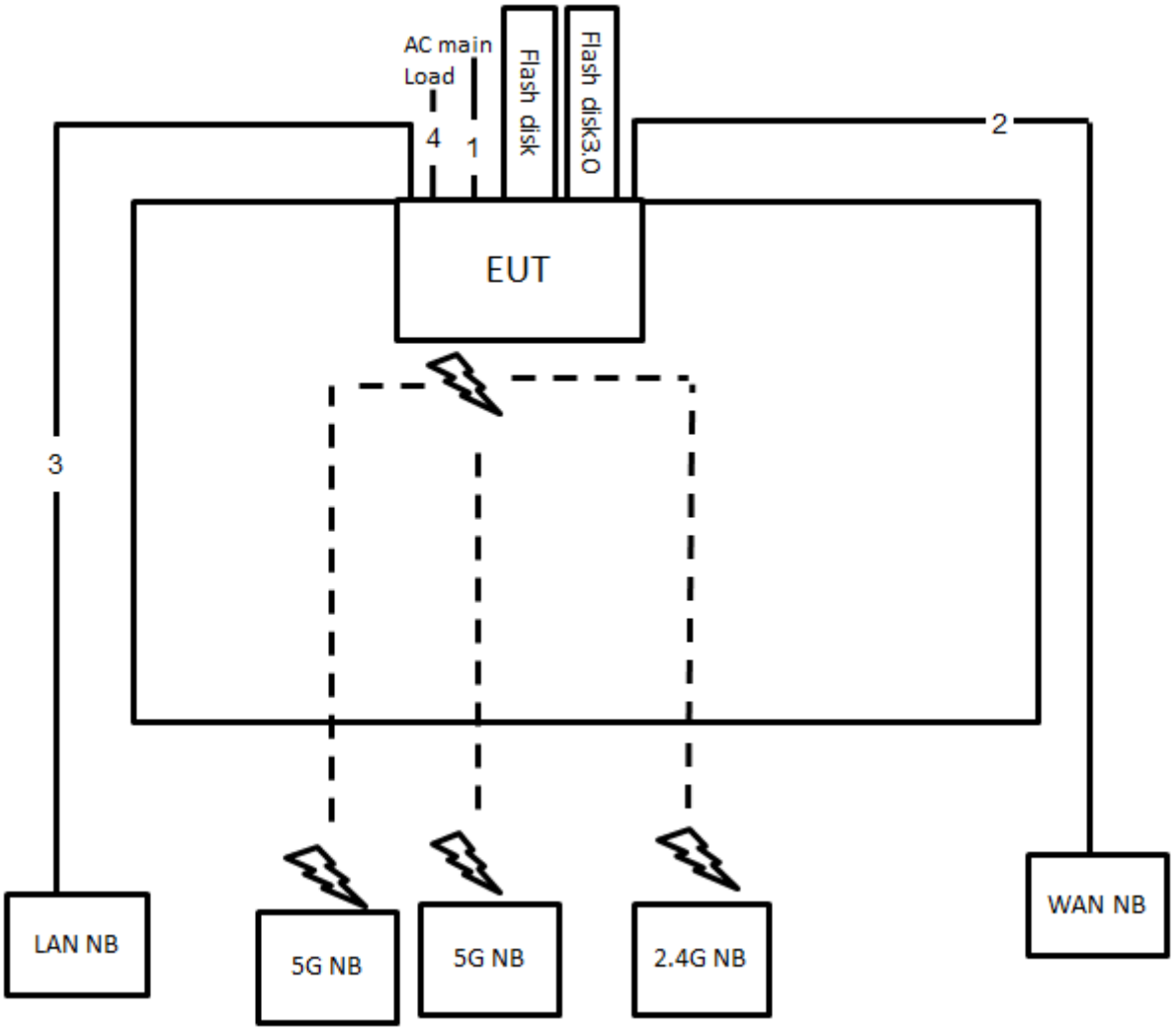
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC

<For Beamforming Mode>

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
2	RX Device	TP-LINK	Archer C4000	N/A

2.6 Test Setup Diagram

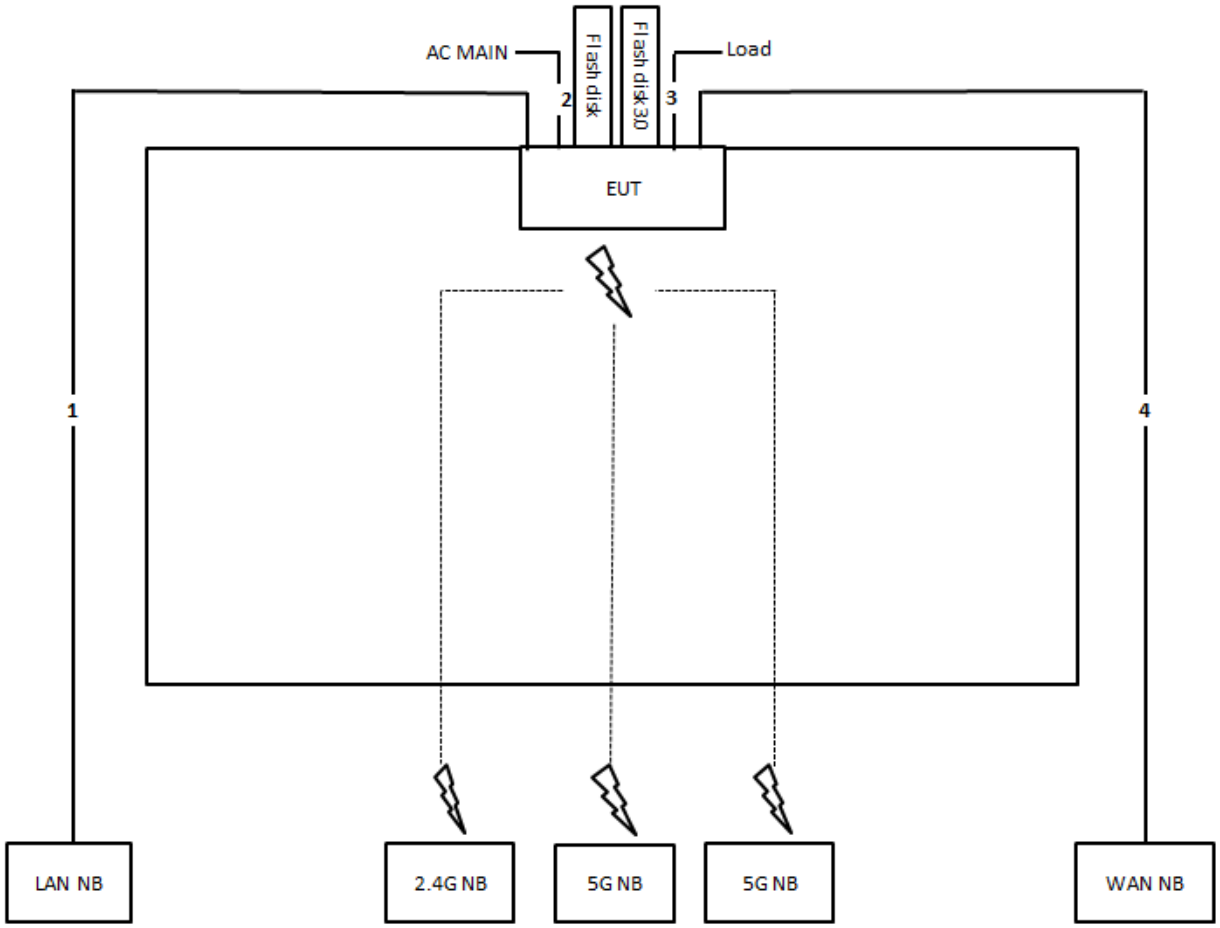
Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Power cable	No	2.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1m

Test Setup Diagram - Radiated Test

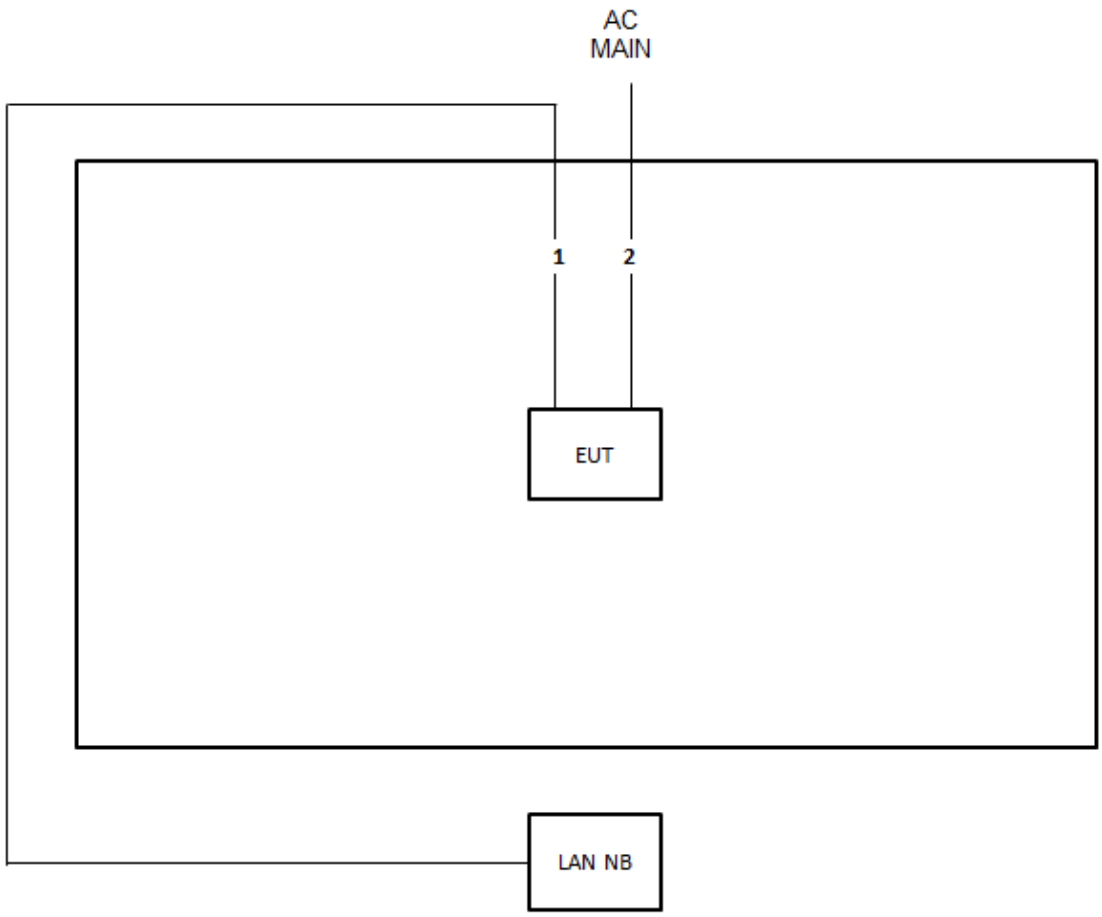
Below 1GHz



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.8m
3	RJ-45 cable*3	No	1.5m
4	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test

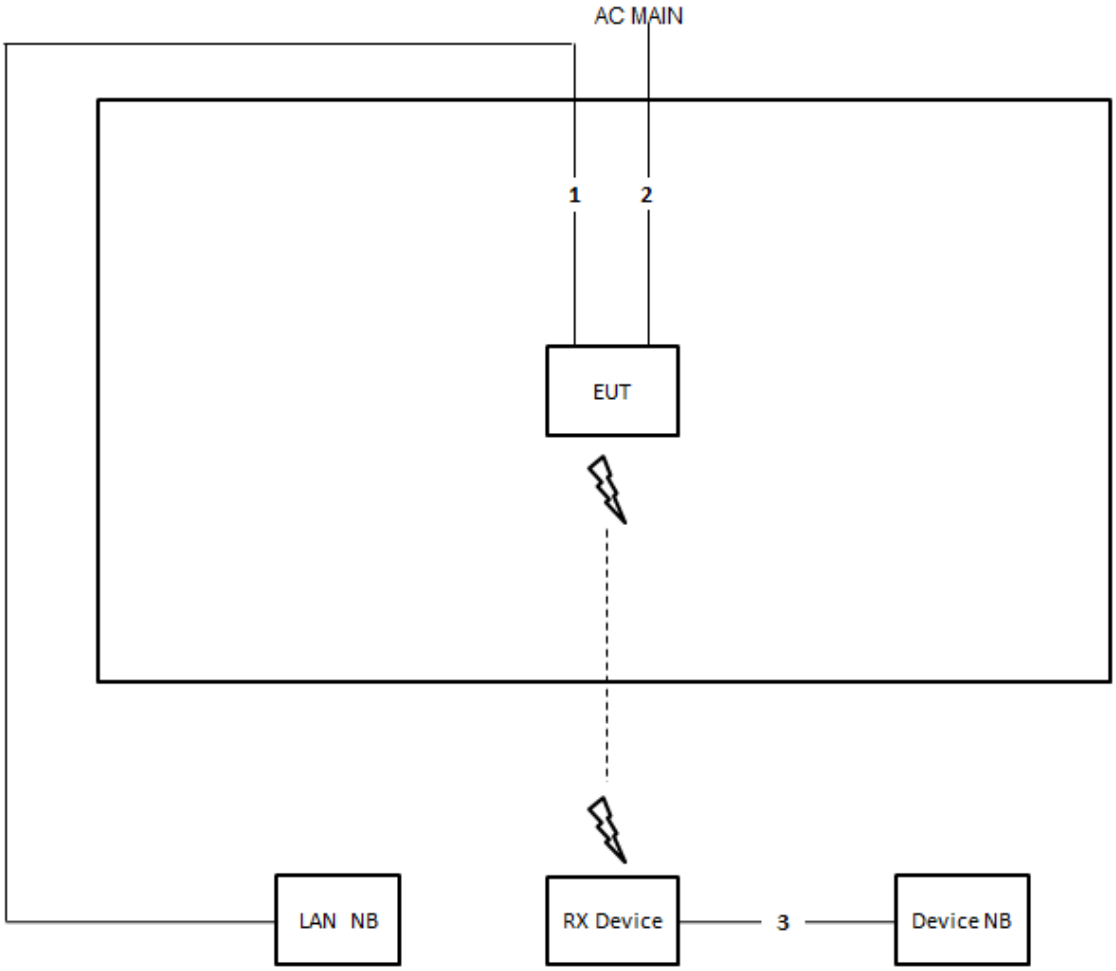
Non-Beamforming Mode (above 1GHz)



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.8m

Test Setup Diagram - Radiated Test

Beamforming Mode (above 1GHz)



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	2.8m
3	RJ-45 cable	No	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

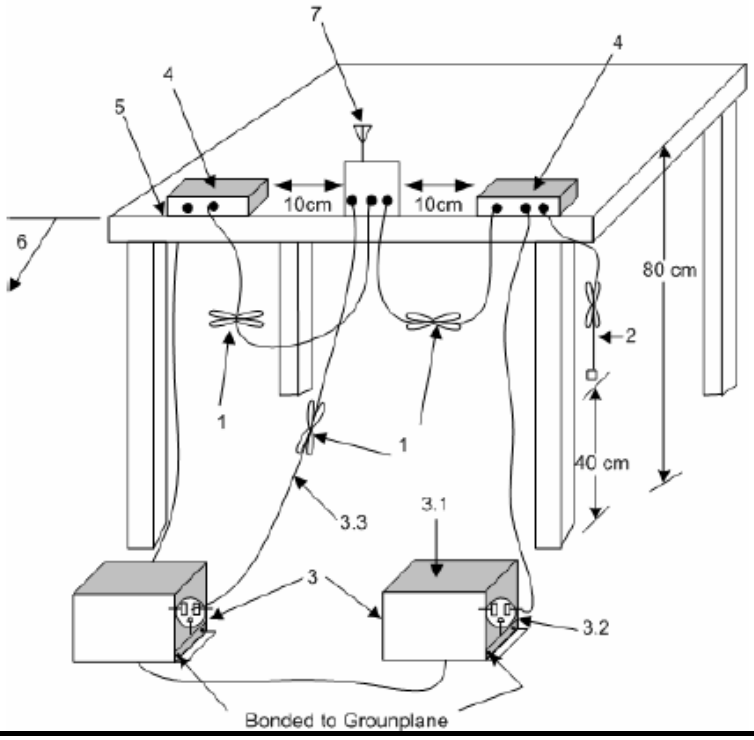
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

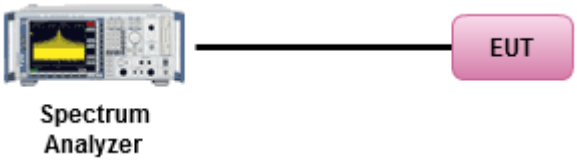
Refer a test equipment and calibration data table in this test report.

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 peak power spectral density (PPSD) ≤ 4 dBm/MHz and 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 and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 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 and the e.i.r.p. peak power spectral density (PPSD) ≤ 17 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

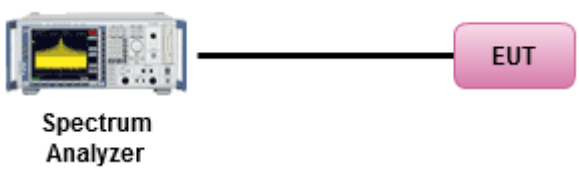
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

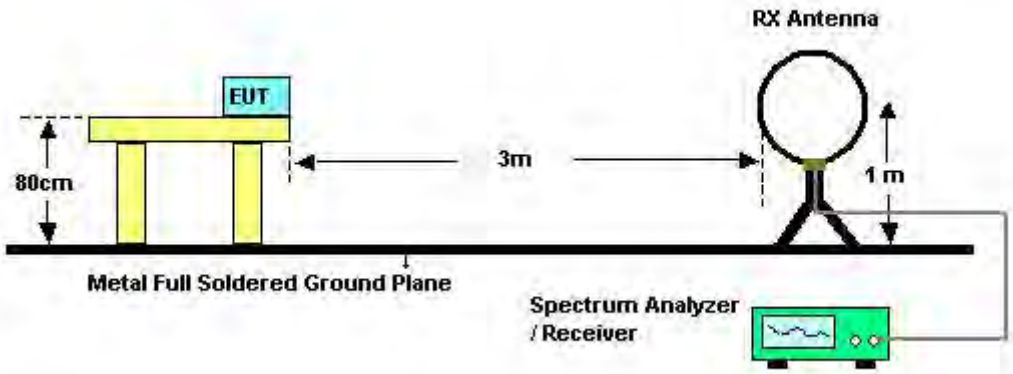
3.5.3 Test Procedures

Test Method		
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].		
▪ For the transmitter unwanted emissions shall be measured using following options below:		
	▪ Refer as FCC KDB 789033, clause H)2) for unwanted emissions into non-restricted bands.	
	▪ Refer as FCC KDB 789033, clause H)1) for unwanted emissions into restricted bands.	
		☐ Refer as FCC KDB 789033, H)6) Method AD (Trace Averaging).
		☒ Refer as FCC KDB 789033, H)6) Method VB (Reduced VBW).
		☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
		☒ Refer as FCC KDB 789033, clause H)5) measurement procedure peak limit.
		☐ Refer as ANSI C63.10, clause 4.2.3.2.2 measurement procedure peak limit.
▪ For radiated measurement.		
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.	
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
▪ The any unwanted emissions level shall not exceed the fundamental emission level.		
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.		

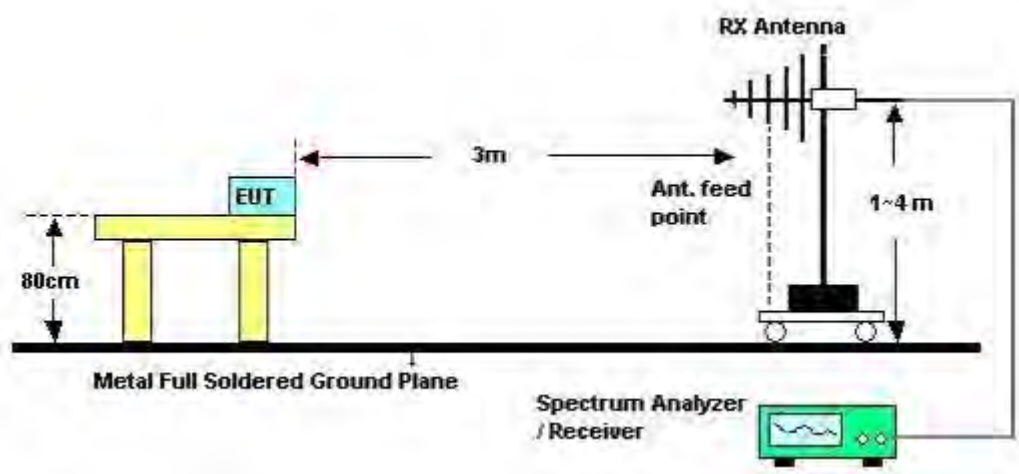
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

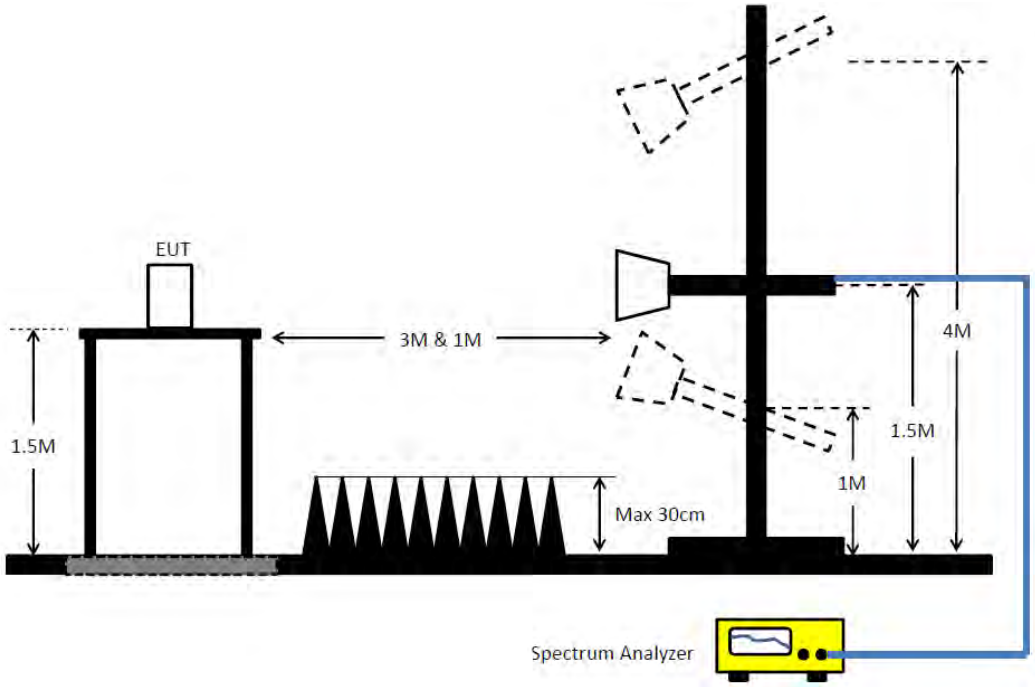
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

Frequency Stability Limit
UNII Devices
▪ In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
LE-LAN Devices
▪ N/A
IEEE Std. 802.11
▪ The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band and ± 25 ppm maximum for the 2.4 GHz band.

3.6.2 Measuring Instruments

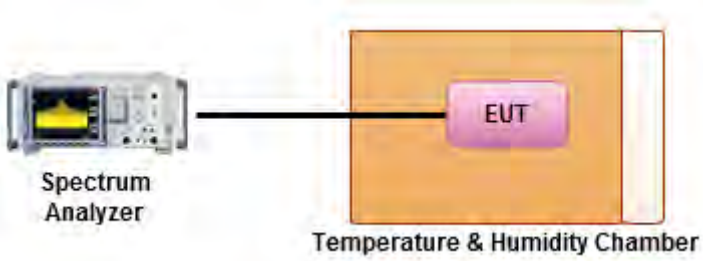
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
▪ Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	▪ Frequency stability with respect to ambient temperature
	▪ Frequency stability when varying supply voltage
	▪ Extreme temperature is 0℃~40℃.

3.6.4 Test Setup

Frequency Stability



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 23, 2016	Nov. 22, 2017	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 15, 2016	Nov. 14, 2017	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2017	Jan. 15, 2018	Conduction (CO02-CB)
COND Cable	Woken	Cable	01	0.15MHz ~ 30MHz	Nov. 30, 2016	Nov. 29, 2017	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F	9561-F073	9kHz ~ 30MHz	Sep. 29, 2016	Sep. 28, 2017	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)

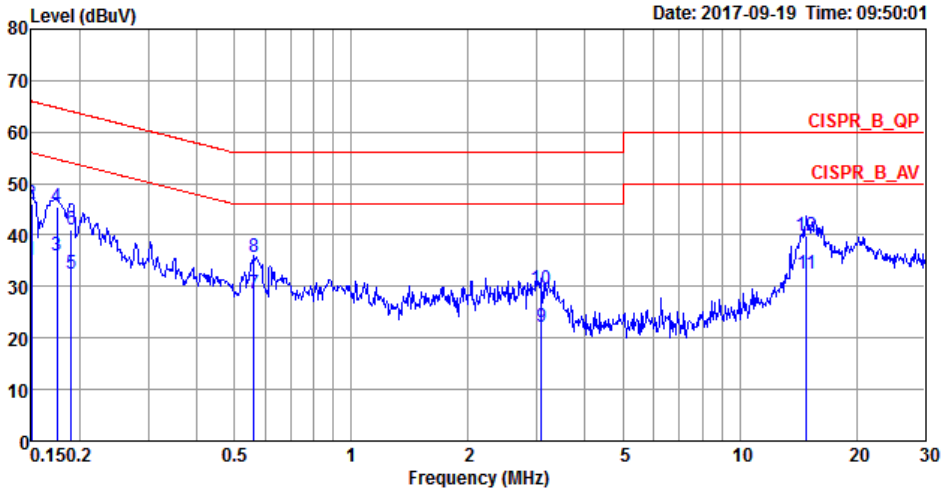
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

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

"*" Calibration Interval of instruments listed above is two years.

NCR means Non-Calibration required.

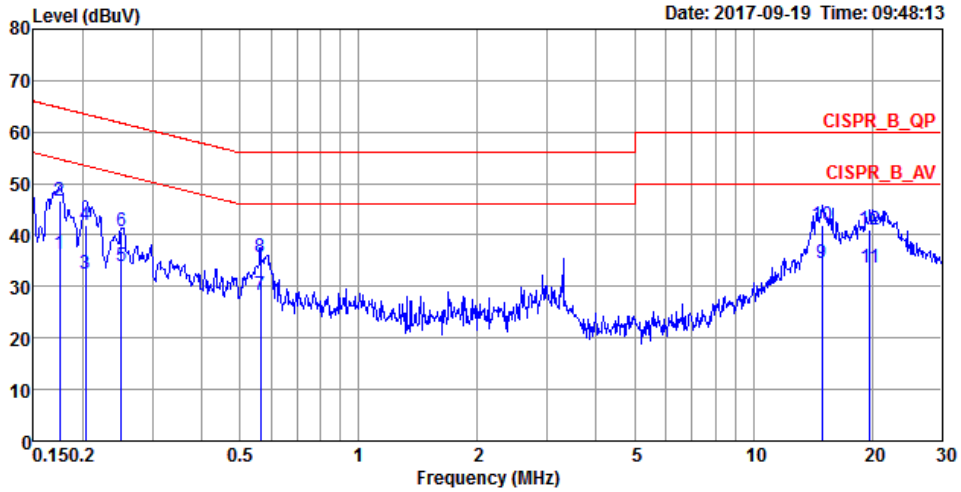
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1500	35.06	-20.94	56.00	25.08	9.94	Average	NEUTRAL
2	0.1500	46.12	-19.88	66.00	36.14	9.94	QP	NEUTRAL
3	0.1749	35.93	-18.79	54.72	25.92	9.96	Average	NEUTRAL
4	0.1749	45.51	-19.21	64.72	35.50	9.96	QP	NEUTRAL
5	0.1904	32.33	-21.69	54.02	22.31	9.97	Average	NEUTRAL
6	0.1904	41.13	-22.89	64.02	31.11	9.97	QP	NEUTRAL
7	0.5611	28.71	-17.29	46.00	18.70	9.97	Average	NEUTRAL
8	0.5611	35.61	-20.39	56.00	25.60	9.97	QP	NEUTRAL
9	3.0901	22.23	-23.77	46.00	12.08	10.04	Average	NEUTRAL
10	3.0901	29.63	-26.37	56.00	19.48	10.04	QP	NEUTRAL
11	14.8281	32.47	-17.53	50.00	22.02	10.23	Average	NEUTRAL
12	14.8281	39.88	-20.12	60.00	29.43	10.23	QP	NEUTRAL

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

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



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1749	36.35	-18.37	54.72	26.36	9.94	Average	LINE
2	0.1749	46.59	-18.13	64.72	36.60	9.94	QP	LINE
3	0.2029	32.62	-20.87	53.49	22.64	9.93	Average	LINE
4	0.2029	41.96	-21.53	63.49	31.98	9.93	QP	LINE
5	0.2508	34.00	-17.73	51.73	24.03	9.92	Average	LINE
6	0.2508	40.82	-20.91	61.73	30.85	9.92	QP	LINE
7	0.5641	28.38	-17.62	46.00	18.41	9.92	Average	LINE
8	0.5641	35.73	-20.27	56.00	25.76	9.92	QP	LINE
9	14.9068	34.62	-15.38	50.00	24.25	10.15	Average	LINE
10	14.9068	41.95	-18.05	60.00	31.58	10.15	QP	LINE
11	19.7397	33.63	-16.37	50.00	23.16	10.22	Average	LINE
12	19.7397	41.15	-18.85	60.00	30.68	10.22	QP	LINE

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	32.975M	16.917M	16M9D1D	21.5M	16.567M
802.11ac VHT20_Nss1,(MCS0)_3TX	38.825M	17.991M	18M0D1D	21.575M	17.716M
802.11ac VHT40_Nss1,(MCS0)_3TX	67.45M	36.282M	36M3D1D	39.4M	36.182M
802.11ac VHT80_Nss1,(MCS0)_3TX	81M	75.062M	75M1D1D	80.3M	74.663M
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	38.25M	17.916M	17M9D1D	25.775M	17.741M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	70.85M	36.332M	36M3D1D	39.85M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	79.5M	74.963M	75M0D1D	78.4M	74.663M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	16.375M	17.266M	17M3D1D	16.325M	16.717M
802.11ac VHT20_Nss1,(MCS0)_3TX	17.6M	18.366M	18M4D1D	17.55M	17.866M
802.11ac VHT40_Nss1,(MCS0)_3TX	36.35M	36.432M	36M4D1D	36.3M	36.282M
802.11ac VHT80_Nss1,(MCS0)_3TX	76.3M	75.962M	76M0D1D	75.4M	75.862M
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	17.575M	18.116M	18M1D1D	17.525M	17.741M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	36.35M	36.632M	36M6D1D	36.3M	36.282M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	75.8M	75.862M	75M9D1D	73.5M	75.662M

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

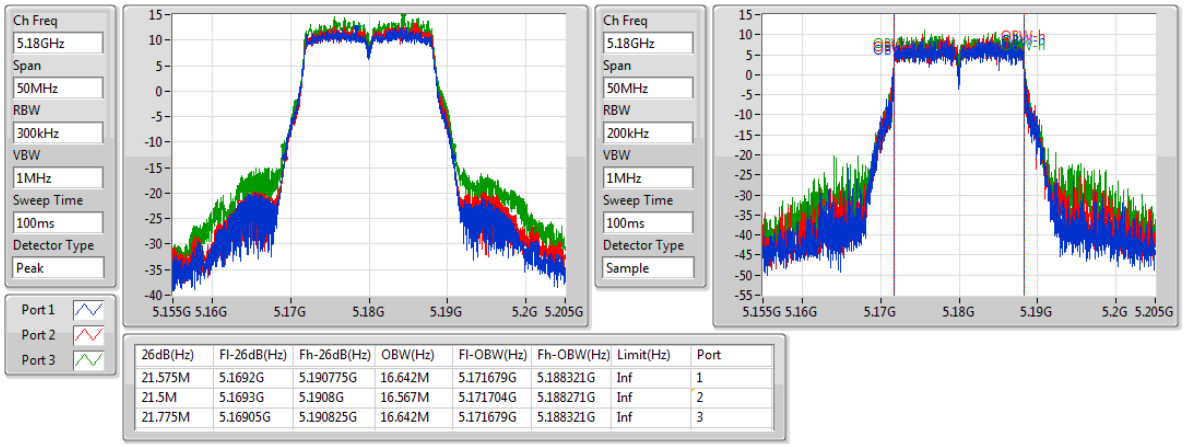
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.575M	16.642M	21.5M	16.567M	21.775M	16.642M
5200MHz	Pass	Inf	22.225M	16.592M	28.35M	16.592M	32.575M	16.642M
5240MHz	Pass	Inf	21.65M	16.617M	24.7M	16.617M	32.975M	16.917M
5745MHz	Pass	500k	16.325M	16.767M	16.325M	16.717M	16.325M	16.842M
5785MHz	Pass	500k	16.375M	16.842M	16.325M	16.842M	16.35M	16.967M
5825MHz	Pass	500k	16.325M	16.767M	16.325M	16.817M	16.375M	17.266M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.8M	17.766M	21.6M	17.741M	21.575M	17.716M
5200MHz	Pass	Inf	37.75M	17.816M	35.35M	17.816M	38.825M	17.941M
5240MHz	Pass	Inf	34.775M	17.791M	32.15M	17.816M	36.55M	17.991M
5745MHz	Pass	500k	17.575M	17.866M	17.6M	17.916M	17.55M	18.041M
5785MHz	Pass	500k	17.55M	17.891M	17.6M	18.066M	17.575M	18.216M
5825MHz	Pass	500k	17.575M	18.066M	17.575M	18.166M	17.575M	18.366M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.25M	36.232M	39.4M	36.182M	39.65M	36.182M
5230MHz	Pass	Inf	67.45M	36.232M	64.2M	36.232M	65.1M	36.282M
5755MHz	Pass	500k	36.3M	36.282M	36.35M	36.282M	36.35M	36.332M
5795MHz	Pass	500k	36.35M	36.432M	36.35M	36.332M	36.3M	36.332M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81M	75.062M	80.6M	74.663M	80.3M	74.863M
5775MHz	Pass	500k	76M	75.962M	76.3M	75.862M	75.4M	75.962M
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	26.55M	17.741M	25.775M	17.766M	31.65M	17.816M
5200MHz	Pass	Inf	31.5M	17.766M	32.2M	17.766M	36.55M	17.916M
5240MHz	Pass	Inf	32.55M	17.791M	29.575M	17.816M	38.25M	17.916M
5745MHz	Pass	500k	17.575M	17.741M	17.575M	17.791M	17.575M	17.866M
5785MHz	Pass	500k	17.575M	17.866M	17.55M	17.791M	17.575M	17.916M
5825MHz	Pass	500k	17.575M	17.941M	17.55M	17.891M	17.525M	18.116M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.9M	36.232M	39.85M	36.232M	40.3M	36.232M
5230MHz	Pass	Inf	70.85M	36.282M	66.3M	36.282M	67.75M	36.332M
5755MHz	Pass	500k	36.35M	36.382M	36.3M	36.282M	36.3M	36.632M
5795MHz	Pass	500k	36.35M	36.382M	36.35M	36.282M	36.3M	36.632M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	78.5M	74.863M	79.5M	74.963M	78.4M	74.663M
5775MHz	Pass	500k	73.5M	75.662M	75.2M	75.862M	75.8M	75.762M

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

802.11a_Nss1,(6Mbps)_3TX EBW

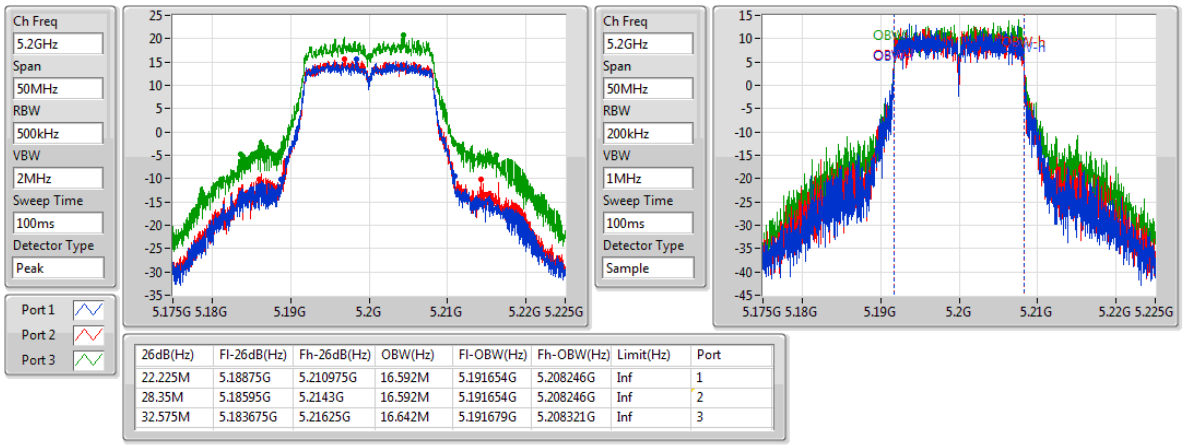
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.575M	5.1692G	5.190775G	16.642M	5.171679G	5.188321G	Inf	1
21.5M	5.1693G	5.1908G	16.567M	5.171704G	5.188271G	Inf	2
21.775M	5.16905G	5.190825G	16.642M	5.171679G	5.188321G	Inf	3

802.11a_Nss1,(6Mbps)_3TX EBW

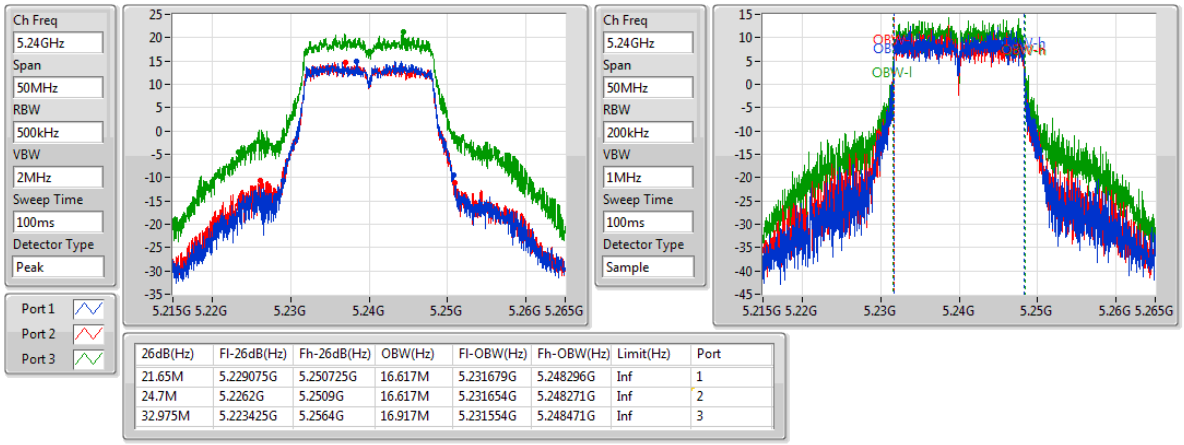
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.225M	5.18875G	5.210975G	16.592M	5.191654G	5.208246G	Inf	1
28.35M	5.18595G	5.2143G	16.592M	5.191654G	5.208246G	Inf	2
32.575M	5.183675G	5.21625G	16.642M	5.191679G	5.208321G	Inf	3

802.11a_Nss1,(6Mbps)_3TX EBW

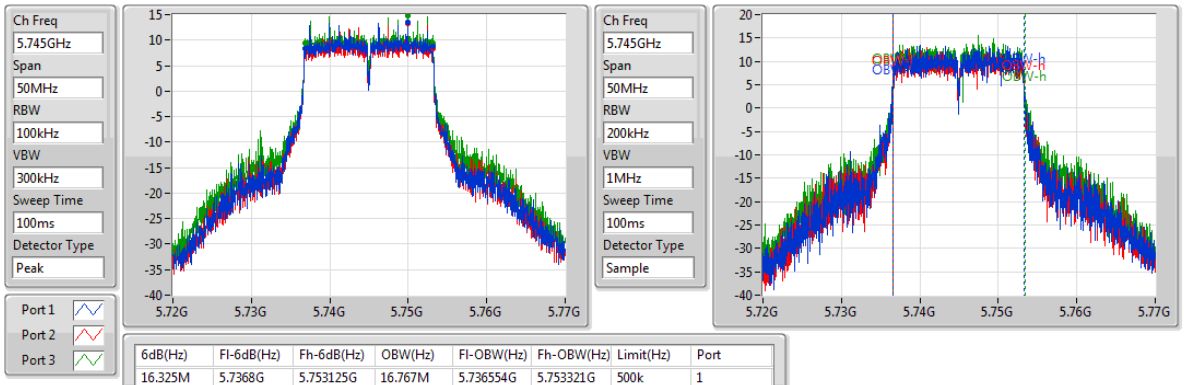
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.65M	5.229075G	5.250725G	16.617M	5.231679G	5.248296G	Inf	1
24.7M	5.2262G	5.2509G	16.617M	5.231654G	5.248271G	Inf	2
32.975M	5.223425G	5.2564G	16.917M	5.231554G	5.248471G	Inf	3

802.11a_Nss1,(6Mbps)_3TX EBW

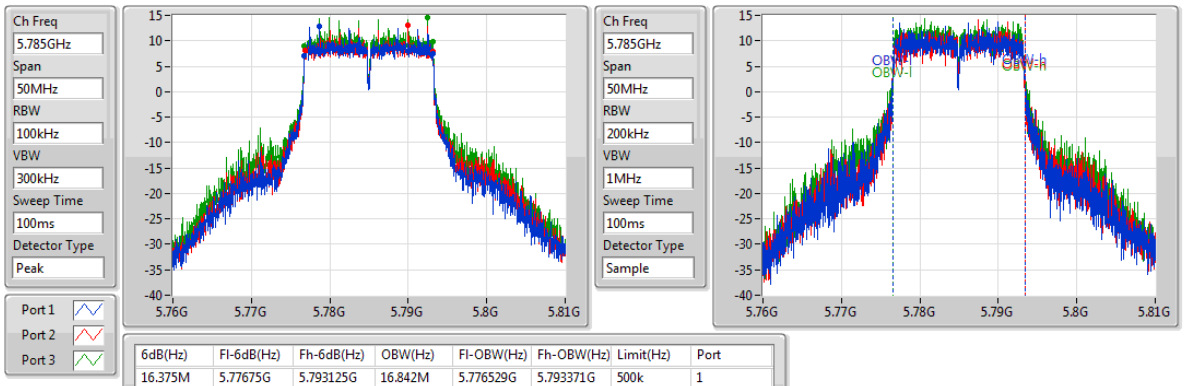
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.7368G	5.753125G	16.767M	5.736554G	5.753321G	500k	1
16.325M	5.7368G	5.753125G	16.717M	5.736604G	5.753321G	500k	2
16.325M	5.7368G	5.753125G	16.842M	5.736604G	5.753446G	500k	3

802.11a_Nss1,(6Mbps)_3TX EBW

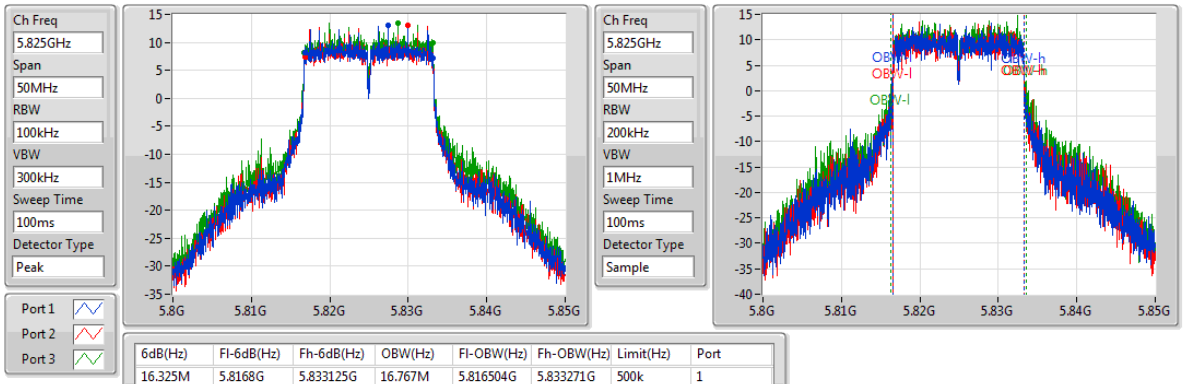
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	5.77675G	5.793125G	16.842M	5.776529G	5.793371G	500k	1
16.325M	5.7768G	5.793125G	16.842M	5.776529G	5.793371G	500k	2
16.35M	5.776775G	5.793125G	16.967M	5.776504G	5.793471G	500k	3

802.11a_Nss1,(6Mbps)_3TX EBW

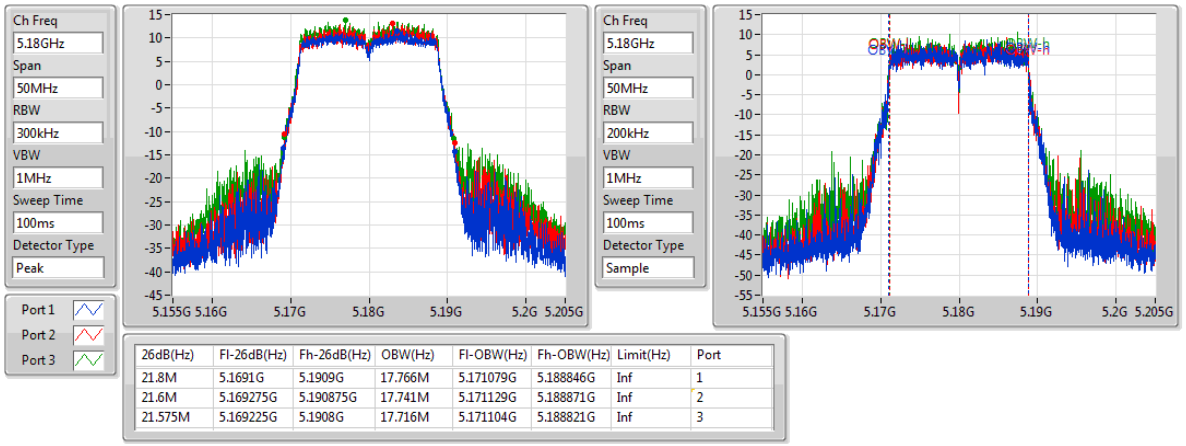
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.8168G	5.833125G	16.767M	5.816504G	5.833271G	500k	1
16.325M	5.8168G	5.833125G	16.817M	5.816529G	5.833346G	500k	2
16.375M	5.81675G	5.833125G	17.266M	5.816354G	5.833621G	500k	3

802.11ac VHT20_Nss1,(MCS0)_3TX EBW

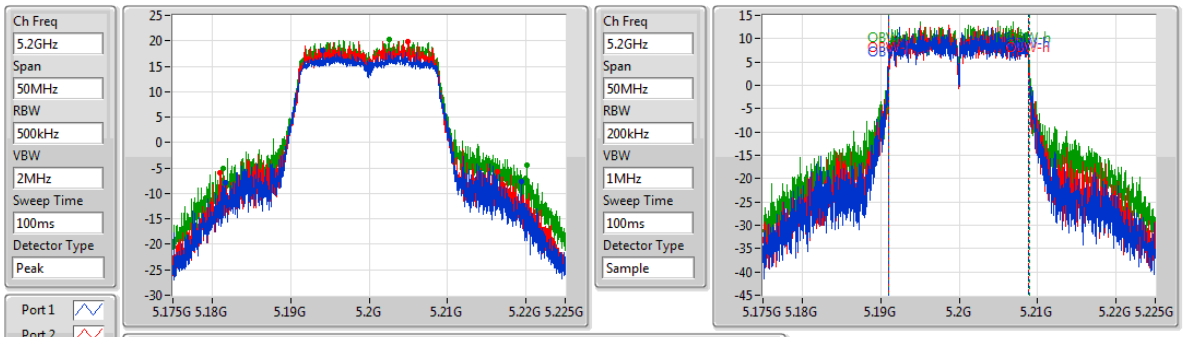
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.1691G	5.1909G	17.766M	5.171079G	5.188846G	Inf	1
21.6M	5.169275G	5.190875G	17.741M	5.171129G	5.188871G	Inf	2
21.575M	5.169225G	5.1908G	17.716M	5.171104G	5.188821G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX EBW

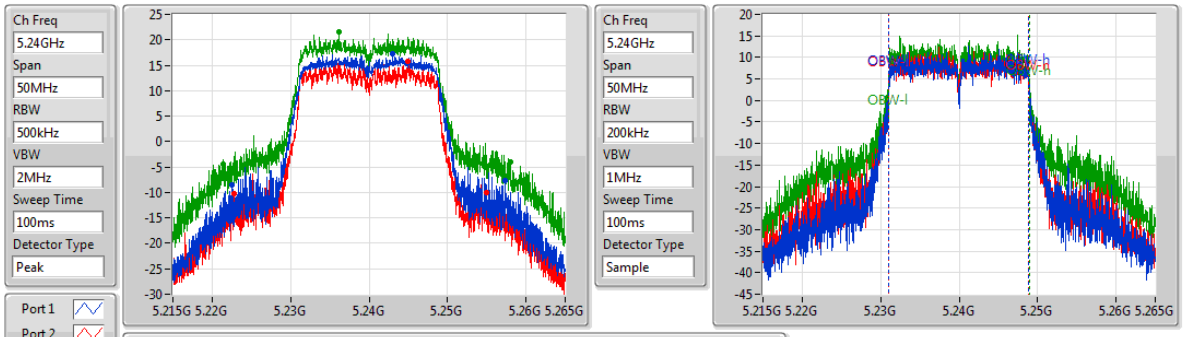
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.75M	5.181625G	5.219375G	17.816M	5.191029G	5.208846G	Inf	1
35.35M	5.181025G	5.216375G	17.816M	5.191029G	5.208846G	Inf	2
38.825M	5.18135G	5.220175G	17.941M	5.191029G	5.208971G	Inf	3

802.11ac VHT20_Nss1,(MCS0)_3TX EBW

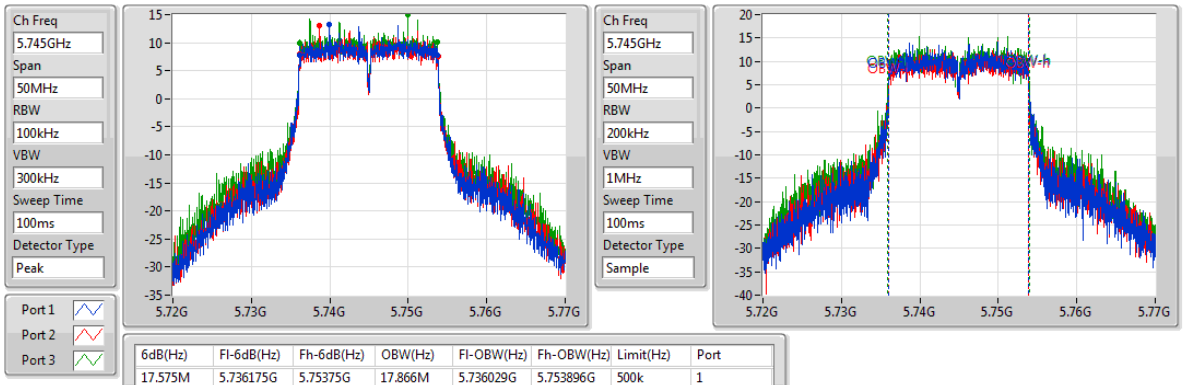
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.775M	5.22255G	5.257325G	17.791M	5.231079G	5.248871G	Inf	1
32.15M	5.22285G	5.255G	17.816M	5.231054G	5.248871G	Inf	2
36.55M	5.221425G	5.257975G	17.991M	5.230955G	5.248946G	Inf	3

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

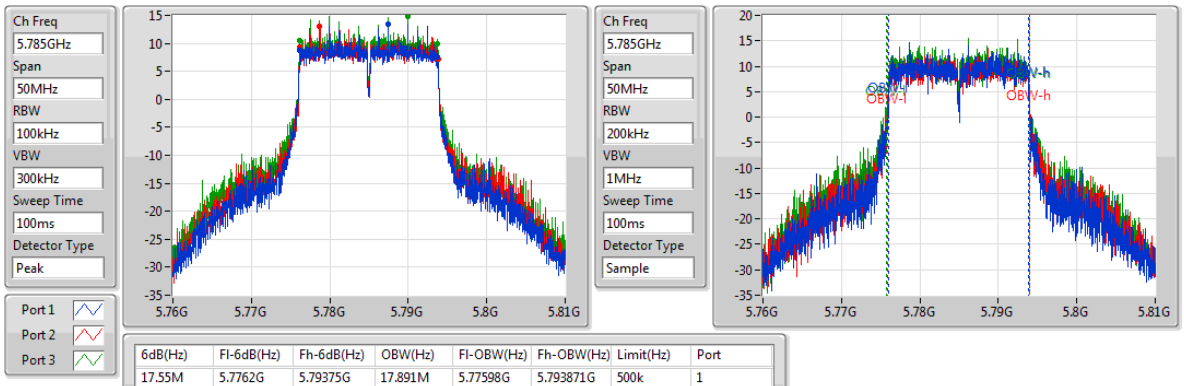
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.736175G	5.75375G	17.866M	5.736029G	5.753896G	500k	1
17.6M	5.736175G	5.753775G	17.916M	5.73598G	5.753896G	500k	2
17.55M	5.736175G	5.753725G	18.041M	5.73593G	5.753971G	500k	3

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

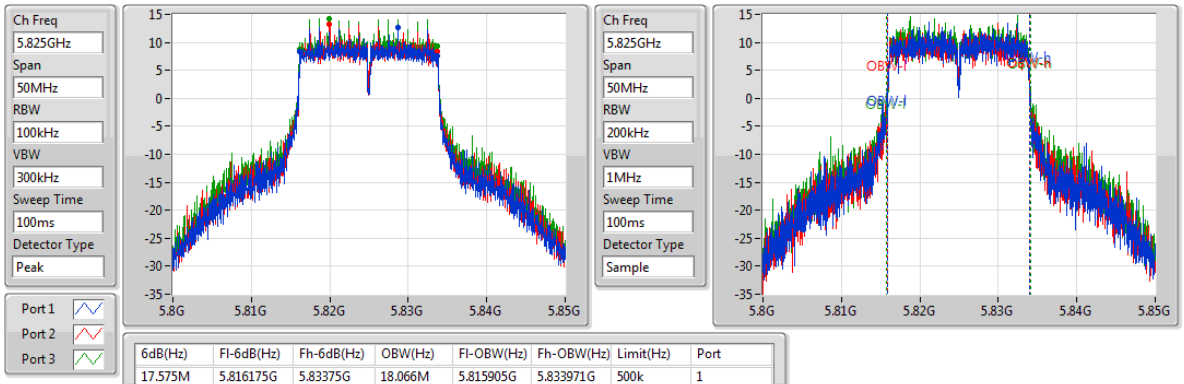
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7762G	5.79375G	17.891M	5.77598G	5.793871G	500k	1
17.6M	5.776175G	5.793775G	18.066M	5.77593G	5.793996G	500k	2
17.575M	5.776175G	5.79375G	18.216M	5.775805G	5.79402G	500k	3

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

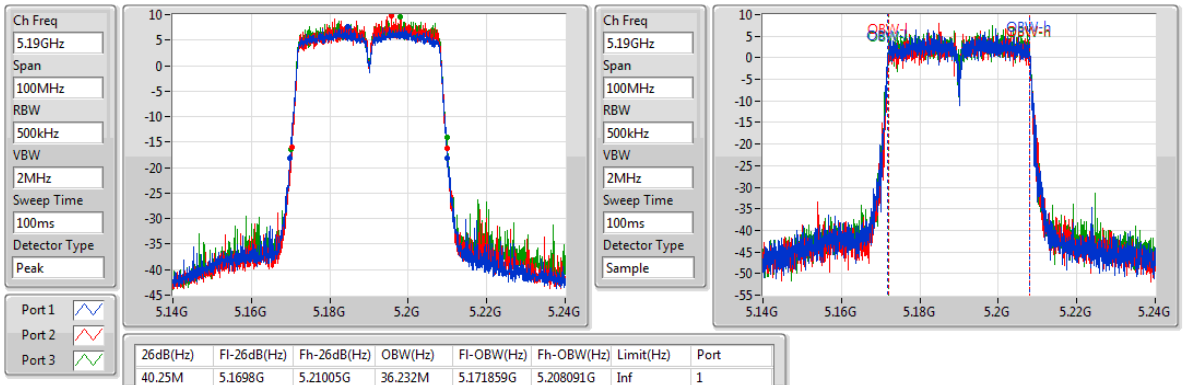
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.816175G	5.83375G	18.066M	5.815905G	5.833971G	500k	1
17.575M	5.816175G	5.83375G	18.166M	5.81588G	5.834045G	500k	2
17.575M	5.816175G	5.83375G	18.366M	5.81578G	5.834145G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX EBW

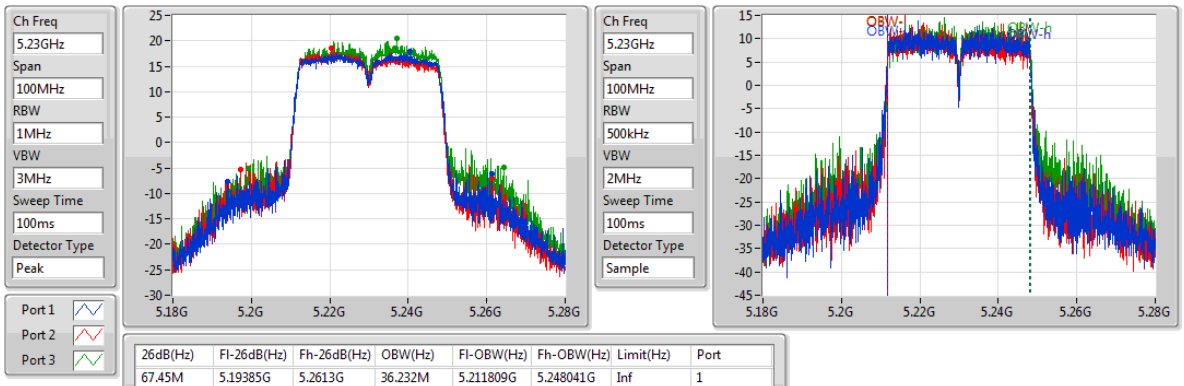
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.1698G	5.21005G	36.232M	5.171859G	5.208091G	Inf	1
39.4M	5.1704G	5.2098G	36.182M	5.171909G	5.208091G	Inf	2
39.65M	5.1702G	5.20985G	36.182M	5.171909G	5.208091G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX EBW

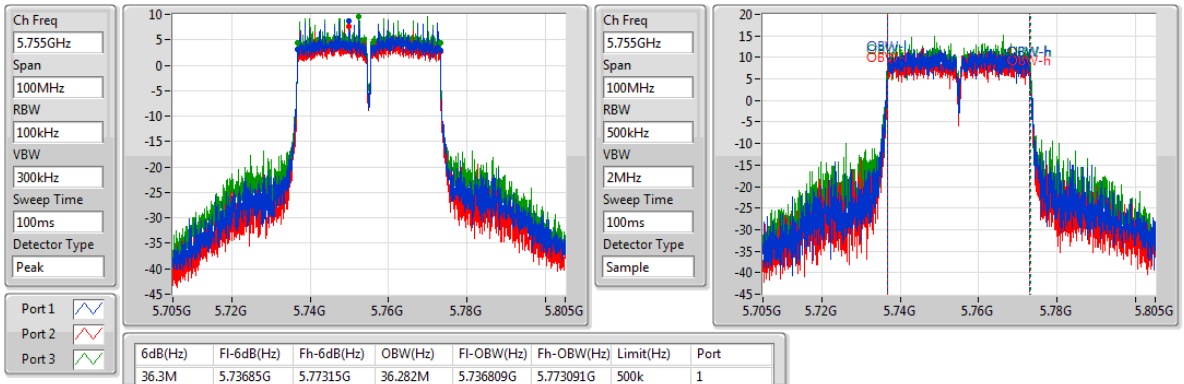
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
67.45M	5.19385G	5.2613G	36.232M	5.211809G	5.248041G	Inf	1
64.2M	5.1972G	5.2614G	36.232M	5.211809G	5.248041G	Inf	2
65.1M	5.19925G	5.26435G	36.282M	5.211859G	5.248141G	Inf	3

802.11ac VHT40_Nss1,(MCS0)_3TX EBW

5755MHz

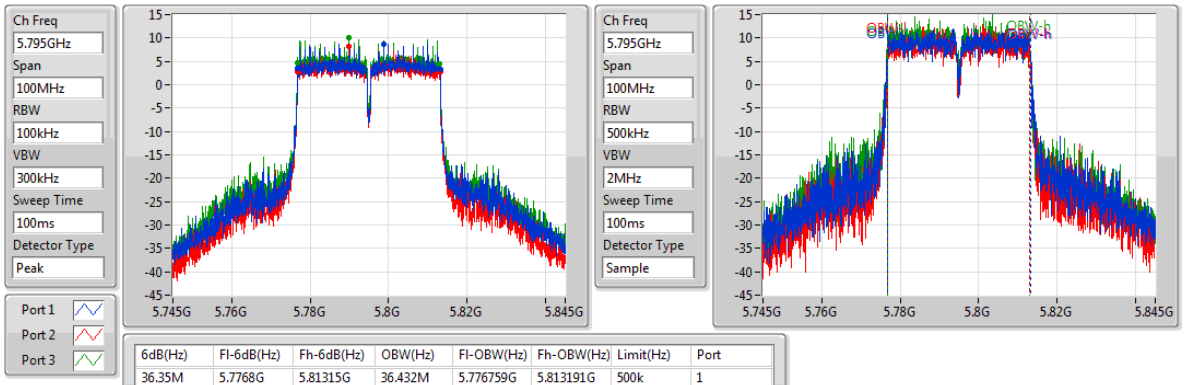


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73685G	5.77315G	36.282M	5.736809G	5.773091G	500k	1
36.35M	5.7368G	5.77315G	36.282M	5.736809G	5.773091G	500k	2
36.35M	5.7368G	5.77315G	36.332M	5.736809G	5.773141G	500k	3

802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5795MHz

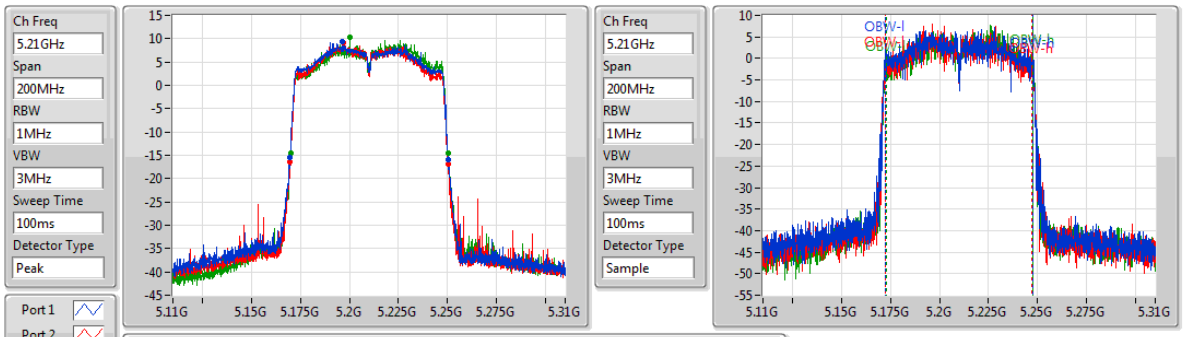


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.7768G	5.81315G	36.432M	5.776759G	5.813191G	500k	1
36.35M	5.7768G	5.81315G	36.332M	5.776759G	5.813091G	500k	2
36.3M	5.7768G	5.8131G	36.332M	5.776759G	5.813091G	500k	3

802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5210MHz

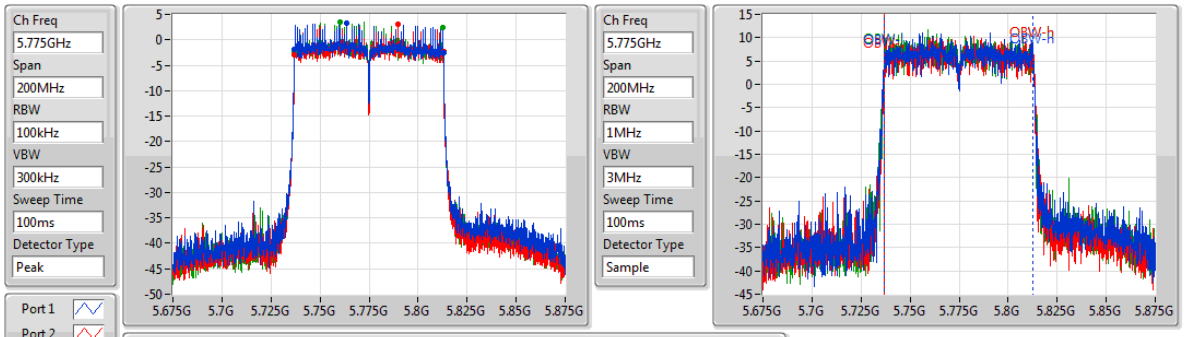


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81M	5.1695G	5.2505G	75.062M	5.172419G	5.247481G	Inf	1
80.6M	5.1697G	5.2503G	74.663M	5.172619G	5.247281G	Inf	2
80.3M	5.17G	5.2503G	74.863M	5.172719G	5.247581G	Inf	3

802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

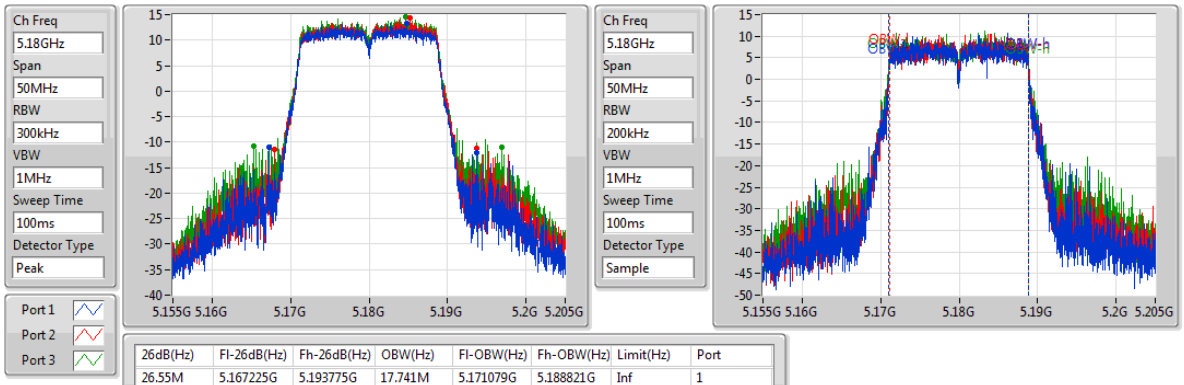
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76M	5.7371G	5.8131G	75.962M	5.736919G	5.812881G	500k	1
76.3M	5.7368G	5.8131G	75.862M	5.737019G	5.812881G	500k	2
75.4M	5.7371G	5.8125G	75.962M	5.736919G	5.812881G	500k	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

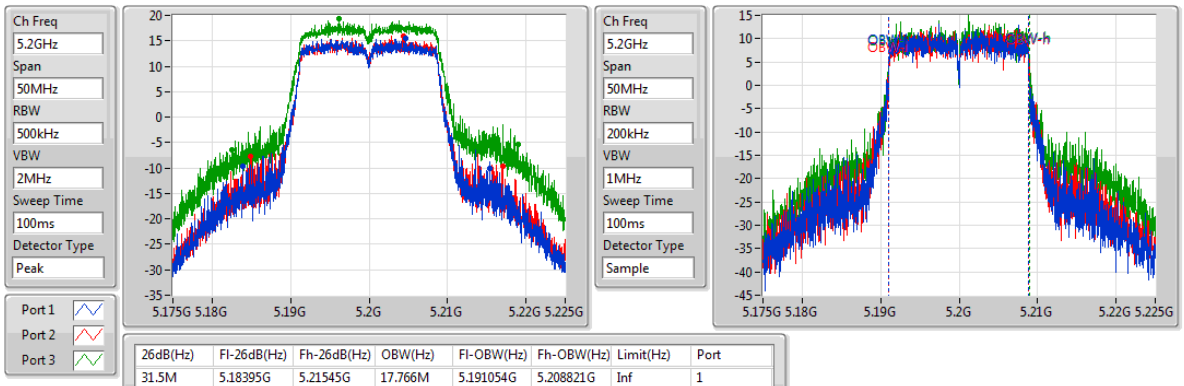
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.55M	5.167225G	5.193775G	17.741M	5.171079G	5.188821G	Inf	1
25.775M	5.167925G	5.1937G	17.766M	5.171104G	5.188871G	Inf	2
31.65M	5.16525G	5.1969G	17.816M	5.171054G	5.188871G	Inf	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

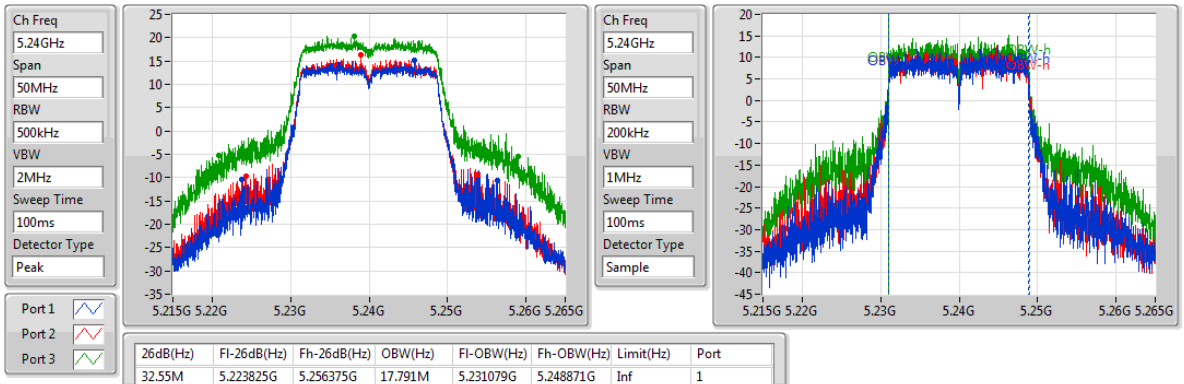
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.5M	5.18395G	5.21545G	17.766M	5.191054G	5.208821G	Inf	1
32.2M	5.184825G	5.217025G	17.766M	5.191079G	5.208846G	Inf	2
36.55M	5.1825G	5.21905G	17.916M	5.191029G	5.208946G	Inf	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

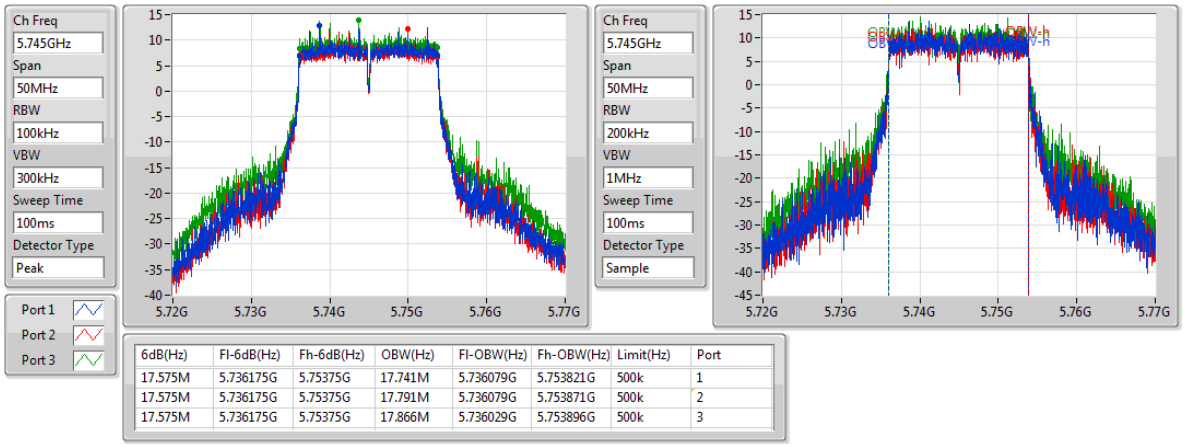
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	5.223825G	5.256375G	17.791M	5.231079G	5.248871G	Inf	1
29.575M	5.2243G	5.253875G	17.816M	5.231029G	5.248846G	Inf	2
38.25M	5.220825G	5.259075G	17.916M	5.231029G	5.248946G	Inf	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

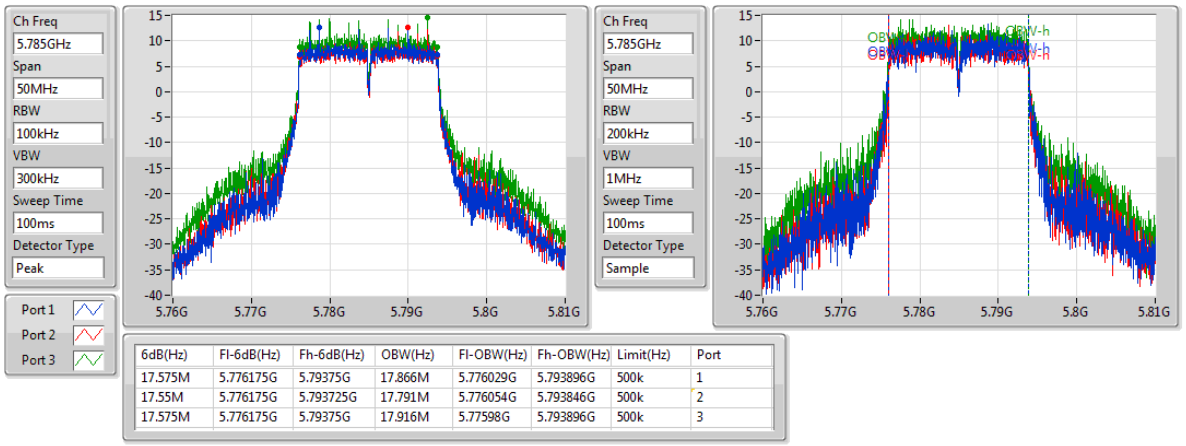
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.736175G	5.75375G	17.741M	5.736079G	5.753821G	500k	1
17.575M	5.736175G	5.75375G	17.791M	5.736079G	5.753871G	500k	2
17.575M	5.736175G	5.75375G	17.866M	5.736029G	5.753896G	500k	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

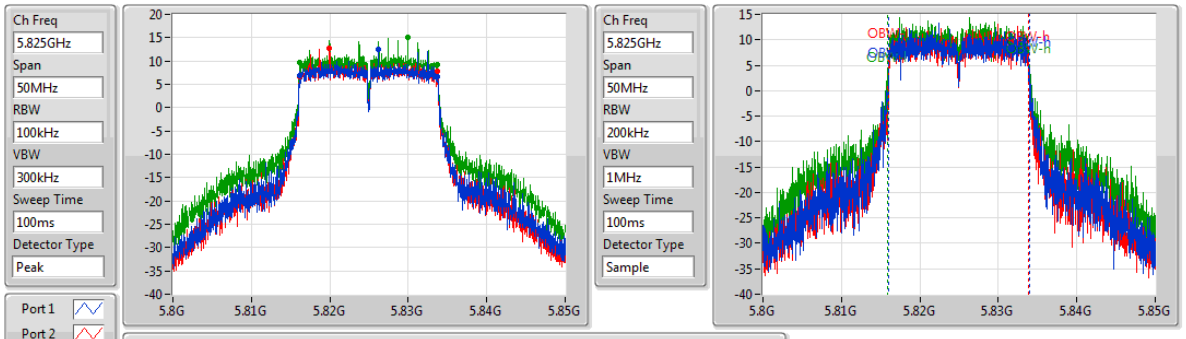
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.776175G	5.79375G	17.866M	5.776029G	5.793896G	500k	1
17.55M	5.776175G	5.793725G	17.791M	5.776054G	5.793846G	500k	2
17.575M	5.776175G	5.79375G	17.916M	5.77598G	5.793896G	500k	3

802.11ac VHT20-BF_Nss1,(MCS0)_3TX EBW

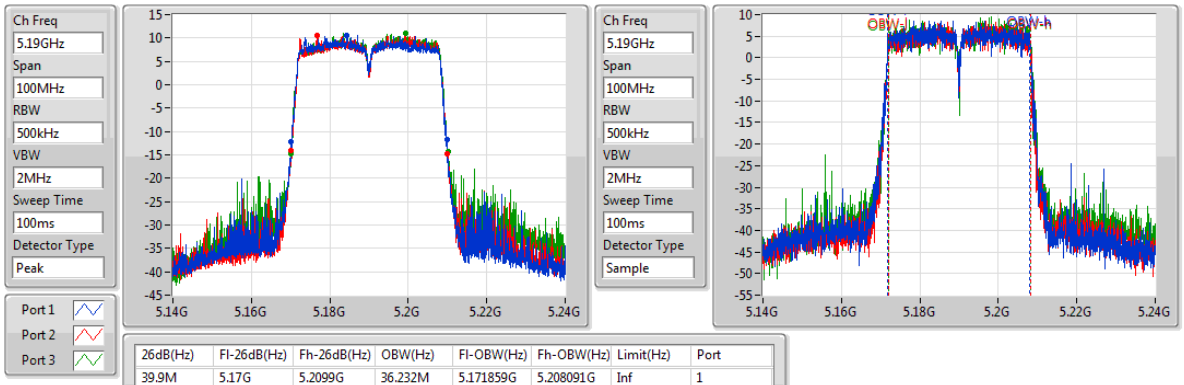
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.816175G	5.83375G	17.941M	5.816004G	5.833946G	500k	1
17.55M	5.816175G	5.833725G	17.891M	5.816004G	5.833896G	500k	2
17.525M	5.8162G	5.833725G	18.116M	5.81593G	5.834045G	500k	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX EBW

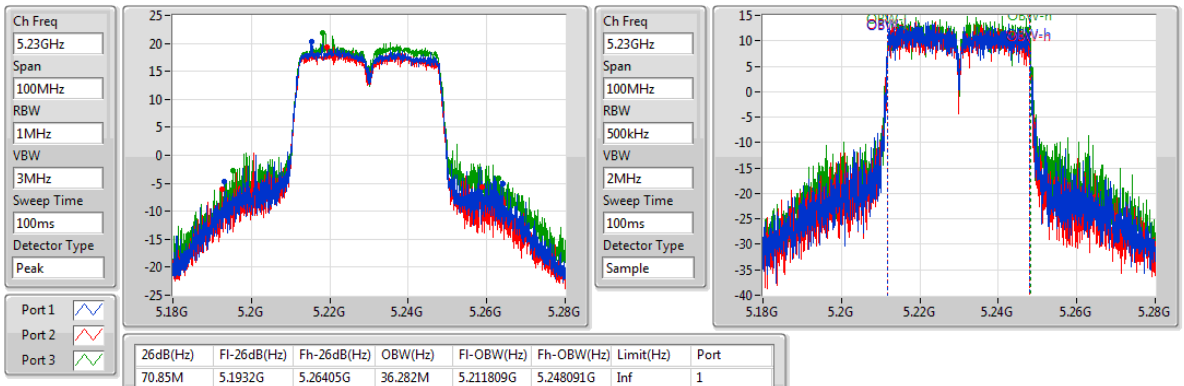
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.17G	5.2099G	36.232M	5.171859G	5.208091G	Inf	1
39.85M	5.1702G	5.21005G	36.232M	5.171909G	5.208141G	Inf	2
40.3M	5.17G	5.2103G	36.232M	5.171909G	5.208141G	Inf	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX EBW

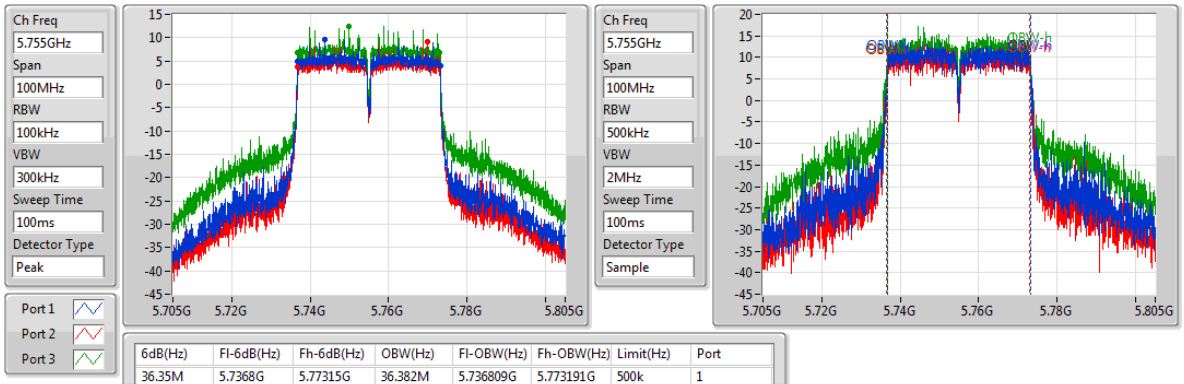
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
70.85M	5.1932G	5.26405G	36.282M	5.211809G	5.248091G	Inf	1
66.3M	5.1926G	5.2589G	36.282M	5.211809G	5.248091G	Inf	2
67.75M	5.1952G	5.26295G	36.332M	5.211859G	5.248191G	Inf	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX EBW

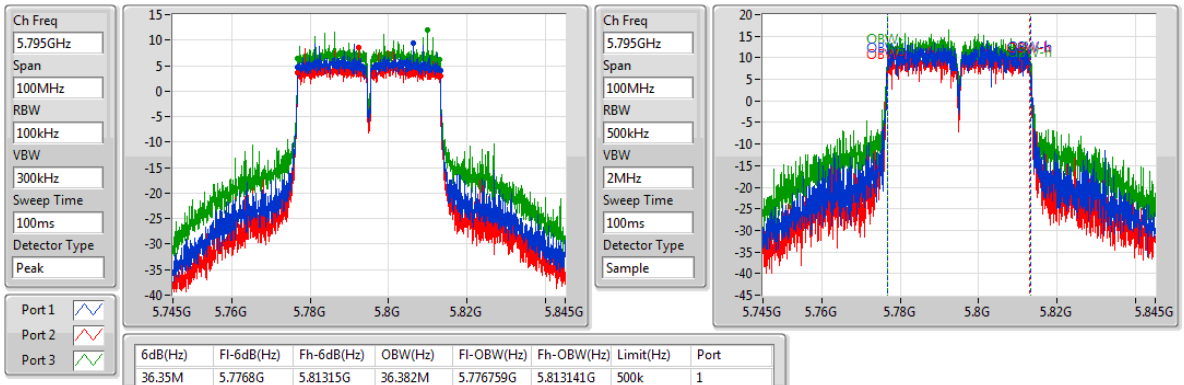
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.7368G	5.77315G	36.382M	5.736809G	5.773191G	500k	1
36.3M	5.7368G	5.7731G	36.282M	5.736809G	5.773091G	500k	2
36.3M	5.7368G	5.7731G	36.632M	5.736609G	5.773241G	500k	3

802.11ac VHT40-BF_Nss1,(MCS0)_3TX EBW

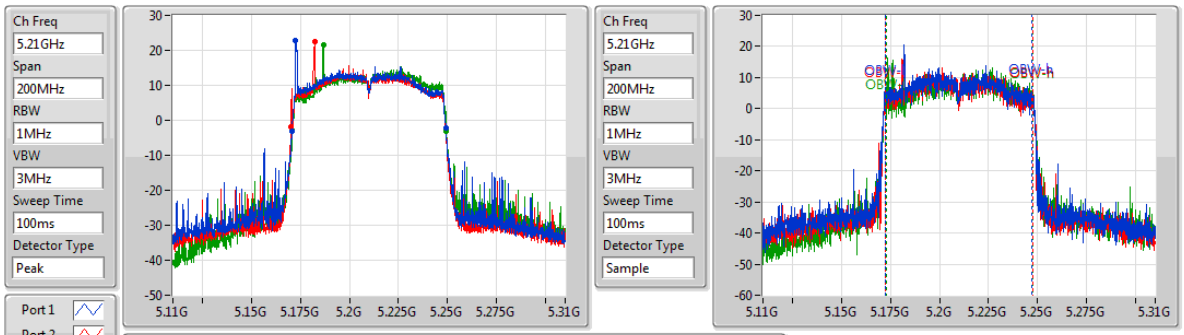
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.7768G	5.81315G	36.382M	5.776759G	5.813141G	500k	1
36.35M	5.7768G	5.81315G	36.282M	5.776809G	5.813091G	500k	2
36.3M	5.7768G	5.8131G	36.632M	5.776659G	5.813291G	500k	3

802.11ac VHT80-BF_Nss1,(MCS0)_3TX EBW

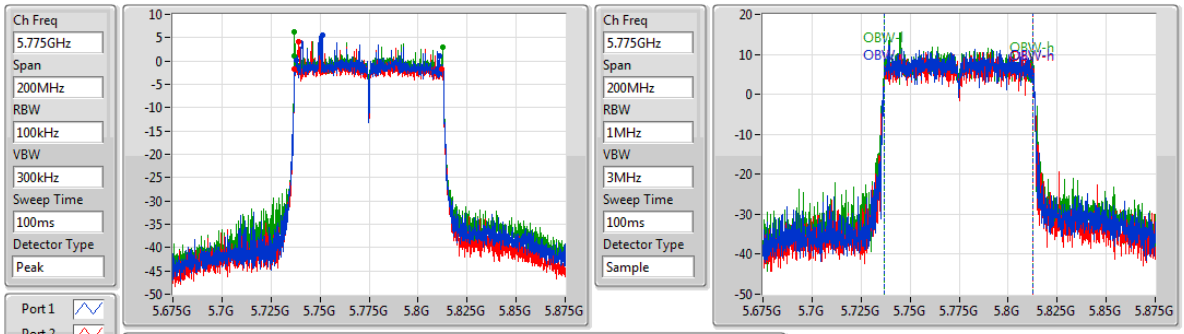
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
78.5M	5.1708G	5.2493G	74.863M	5.172419G	5.247281G	Inf	1
79.5M	5.1699G	5.2494G	74.963M	5.172519G	5.247481G	Inf	2
78.4M	5.1709G	5.2493G	74.663M	5.172919G	5.247581G	Inf	3

802.11ac VHT80-BF_Nss1,(MCS0)_3TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.5M	5.7377G	5.8112G	75.662M	5.737019G	5.812681G	500k	1
75.2M	5.7371G	5.8123G	75.862M	5.737019G	5.812881G	500k	2
75.8M	5.7367G	5.8125G	75.762M	5.737019G	5.812781G	500k	3

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	28.92	0.77983	30.72	1.18032
802.11ac VHT20_Nss1,(MCS0)_3TX	29.09	0.81096	30.89	1.22744
802.11ac VHT40_Nss1,(MCS0)_3TX	27.95	0.62373	29.75	0.94406
802.11ac VHT80_Nss1,(MCS0)_3TX	20.79	0.11995	22.59	0.18155
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	29.33	0.85704	35.90	3.89045
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	29.36	0.86298	35.93	3.91742
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	25.85	0.38459	32.42	1.74582
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_3TX	29.75	0.94406	31.55	1.42889
802.11ac VHT20_Nss1,(MCS0)_3TX	29.84	0.96383	31.64	1.45881
802.11ac VHT40_Nss1,(MCS0)_3TX	27.91	0.61802	29.71	0.93541
802.11ac VHT80_Nss1,(MCS0)_3TX	25.11	0.32434	26.91	0.49091
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	29.39	0.86896	35.96	3.94457
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	29.40	0.87096	35.97	3.95367
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	26.00	0.39811	32.57	1.80717

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	1.80	20.85	21.34	22.16	26.26	30.00
5200MHz	Pass	1.80	23.54	23.93	24.87	28.92	30.00
5240MHz	Pass	1.80	23.42	23.35	25.23	28.86	30.00
5745MHz	Pass	1.80	24.83	24.47	25.56	29.75	30.00
5785MHz	Pass	1.80	24.71	24.45	25.62	29.73	30.00
5825MHz	Pass	1.80	24.19	24.02	25.24	29.29	30.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	1.80	19.81	20.21	21.43	25.31	30.00
5200MHz	Pass	1.80	23.73	23.92	25.17	29.09	30.00
5240MHz	Pass	1.80	23.29	23.14	25.54	28.91	30.00
5745MHz	Pass	1.80	24.91	24.57	25.65	29.84	30.00
5785MHz	Pass	1.80	24.69	24.45	25.76	29.78	30.00
5825MHz	Pass	1.80	24.57	24.29	25.53	29.60	30.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	1.80	16.63	16.39	17.04	21.47	30.00
5230MHz	Pass	1.80	22.92	22.64	23.88	27.95	30.00
5755MHz	Pass	1.80	22.94	22.03	23.76	27.74	30.00
5795MHz	Pass	1.80	23.02	22.26	23.97	27.91	30.00
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	1.80	16.04	15.89	16.12	20.79	30.00
5775MHz	Pass	1.80	20.46	20.03	20.51	25.11	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	6.57	21.97	22.37	22.96	27.22	29.43
5200MHz	Pass	6.57	24.07	24.32	25.21	29.33	29.43
5240MHz	Pass	6.57	23.41	23.71	25.74	29.19	29.43
5745MHz	Pass	6.57	24.23	23.86	25.33	29.29	29.43
5785MHz	Pass	6.57	24.03	23.43	25.64	29.24	29.43
5825MHz	Pass	6.57	23.96	23.91	25.74	29.39	29.43
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	6.57	19.22	19.36	19.74	24.22	29.43
5230MHz	Pass	6.57	24.30	24.09	25.28	29.36	29.43
5755MHz	Pass	6.57	24.17	23.25	26.01	29.40	29.43
5795MHz	Pass	6.57	24.22	23.15	26.03	29.40	29.43
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	6.57	21.16	20.59	21.45	25.85	29.43
5775MHz	Pass	6.57	21.16	20.49	21.91	26.00	29.43

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	16.32	22.89
802.11ac VHT20_Nss1,(MCS0)_3TX	16.37	22.94
802.11ac VHT40_Nss1,(MCS0)_3TX	12.14	18.71
802.11ac VHT80_Nss1,(MCS0)_3TX	2.97	9.54
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	16.41	22.98
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	13.46	20.03
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	7.82	14.39
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_3TX	15.66	22.23
802.11ac VHT20_Nss1,(MCS0)_3TX	15.49	22.06
802.11ac VHT40_Nss1,(MCS0)_3TX	10.64	17.21
802.11ac VHT80_Nss1,(MCS0)_3TX	4.99	11.56
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	14.79	21.36
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	12.01	18.58
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	5.66	12.23

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

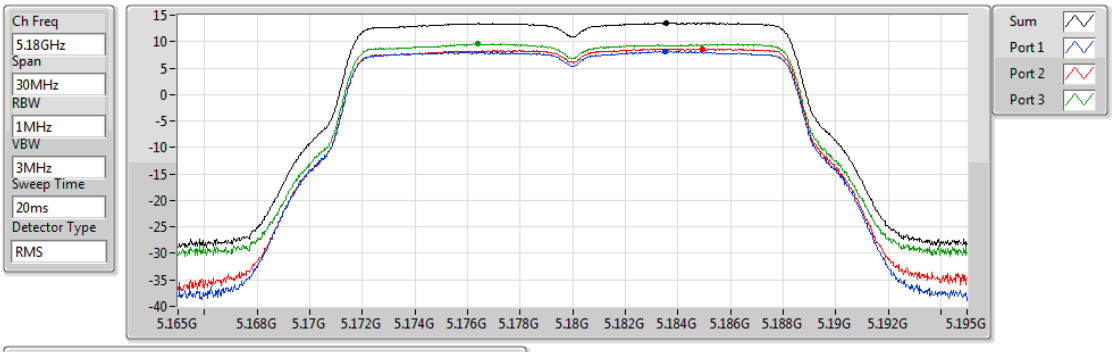
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	6.57	8.16	8.65	9.61	13.48	16.43
5200MHz	Pass	6.57	11.05	11.43	12.36	16.32	16.43
5240MHz	Pass	6.57	10.64	10.73	13.02	16.30	16.43
5745MHz	Pass	6.57	10.77	10.48	11.60	15.66	29.43
5785MHz	Pass	6.57	10.25	10.13	11.52	15.37	29.43
5825MHz	Pass	6.57	10.09	9.86	11.16	15.11	29.43
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	6.57	7.14	7.74	8.50	12.46	16.43
5200MHz	Pass	6.57	10.96	11.33	12.46	16.37	16.43
5240MHz	Pass	6.57	10.57	10.67	12.92	16.22	16.43
5745MHz	Pass	6.57	10.61	10.28	11.35	15.49	29.43
5785MHz	Pass	6.57	10.23	10.21	11.42	15.38	29.43
5825MHz	Pass	6.57	10.22	10.05	11.09	15.15	29.43
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	6.57	0.94	1.02	1.60	5.94	16.43
5230MHz	Pass	6.57	7.11	7.25	8.44	12.14	16.43
5755MHz	Pass	6.57	5.82	4.79	6.69	10.51	29.43
5795MHz	Pass	6.57	5.89	5.16	6.80	10.64	29.43
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	6.57	-1.34	-1.65	-1.31	2.97	16.43
5775MHz	Pass	6.57	0.68	-0.03	0.40	4.99	29.43
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5180MHz	Pass	6.57	8.85	9.10	10.34	14.17	16.43
5200MHz	Pass	6.57	11.24	11.30	12.29	16.25	16.43
5240MHz	Pass	6.57	10.54	11.17	13.24	16.41	16.43
5745MHz	Pass	6.57	9.96	9.36	10.64	14.70	29.43
5785MHz	Pass	6.57	9.62	9.01	11.19	14.67	29.43
5825MHz	Pass	6.57	9.45	9.49	11.21	14.79	29.43
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5190MHz	Pass	6.57	3.33	3.36	3.81	8.10	16.43
5230MHz	Pass	6.57	8.67	8.26	9.38	13.46	16.43
5755MHz	Pass	6.57	6.86	5.86	8.70	12.01	29.43
5795MHz	Pass	6.57	6.84	5.68	8.67	11.92	29.43
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-
5210MHz	Pass	6.57	3.45	3.19	3.79	7.82	16.43
5775MHz	Pass	6.57	0.95	0.22	1.64	5.66	29.43

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 X power density;

802.11a_Nss1,(6Mbps)_3TX PSD

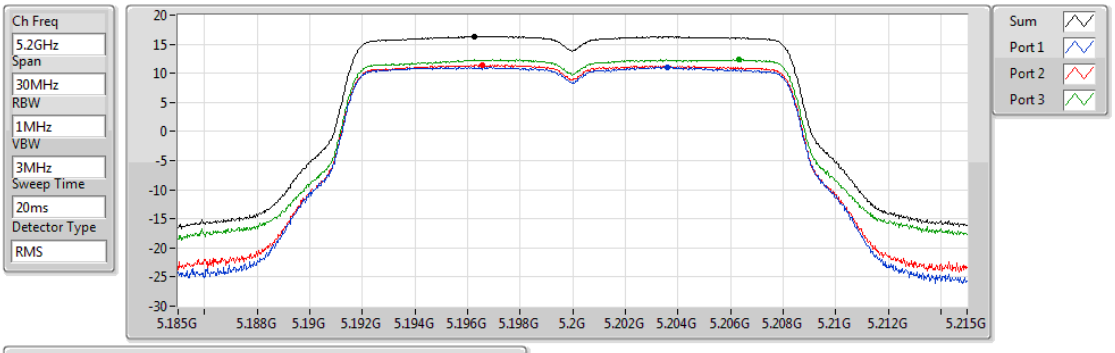
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.48	13.48	8.16	8.65	9.61

802.11a_Nss1,(6Mbps)_3TX PSD

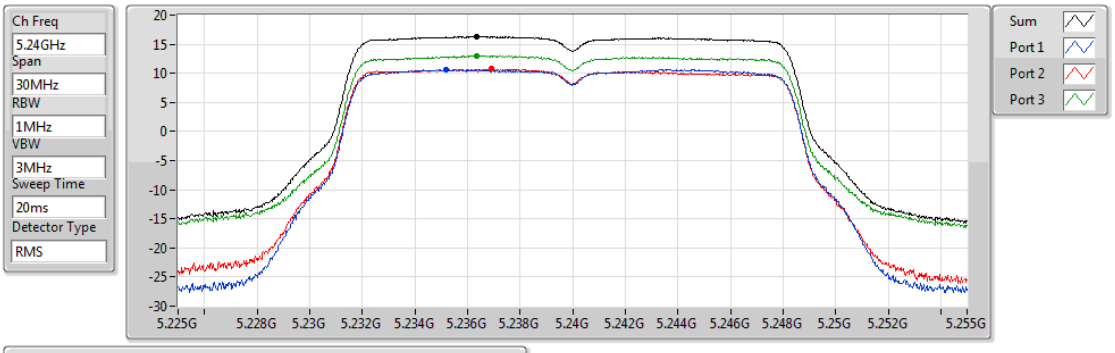
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.32	16.32	11.05	11.43	12.36

802.11a_Nss1,(6Mbps)_3TX PSD

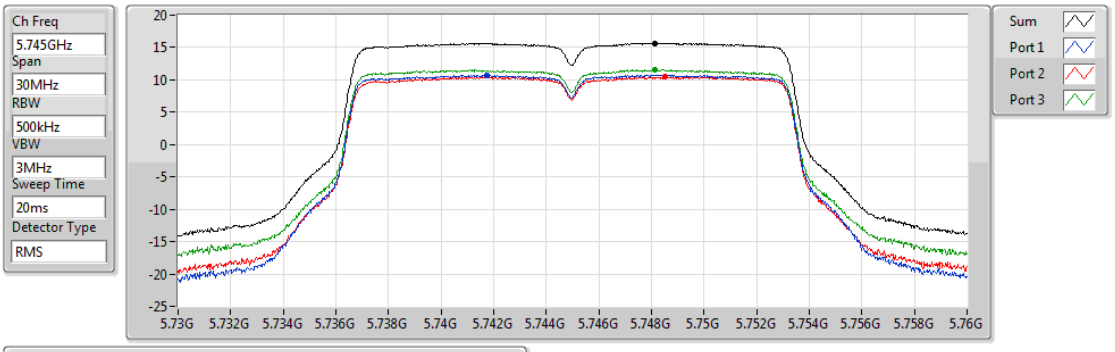
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.30	16.30	10.64	10.73	13.02

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

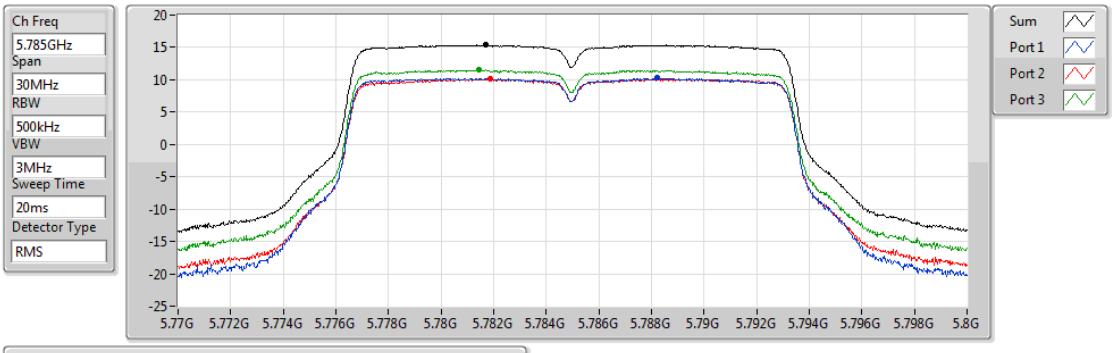
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.66	15.66	10.77	10.48	11.60

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

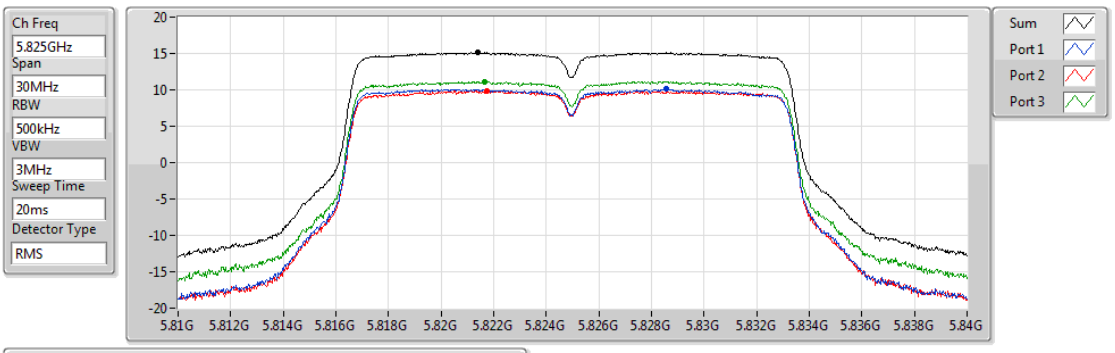
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.37	15.37	10.25	10.13	11.52

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

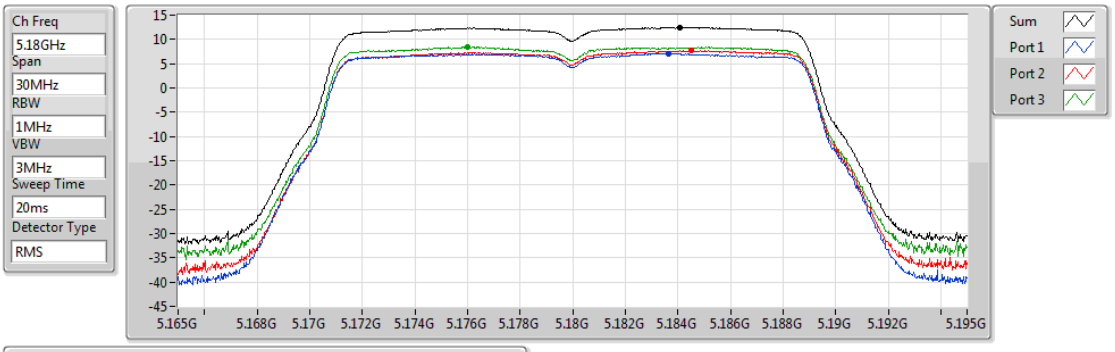
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.11	15.11	10.09	9.86	11.16

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

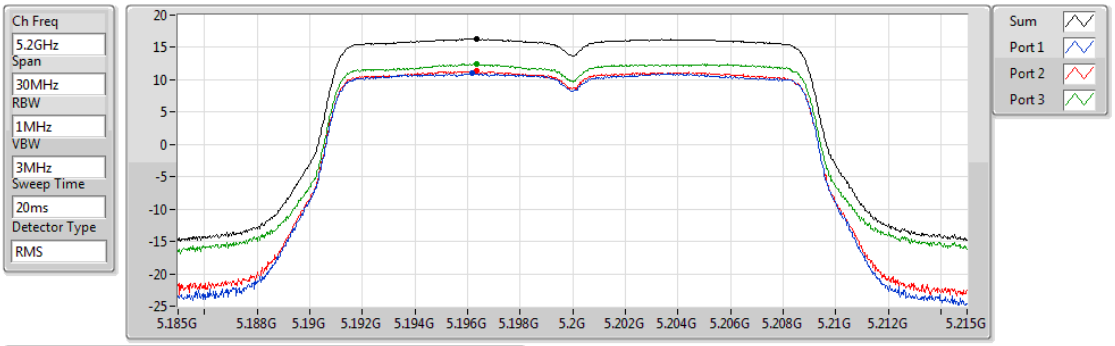
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.46	12.46	7.14	7.74	8.50

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

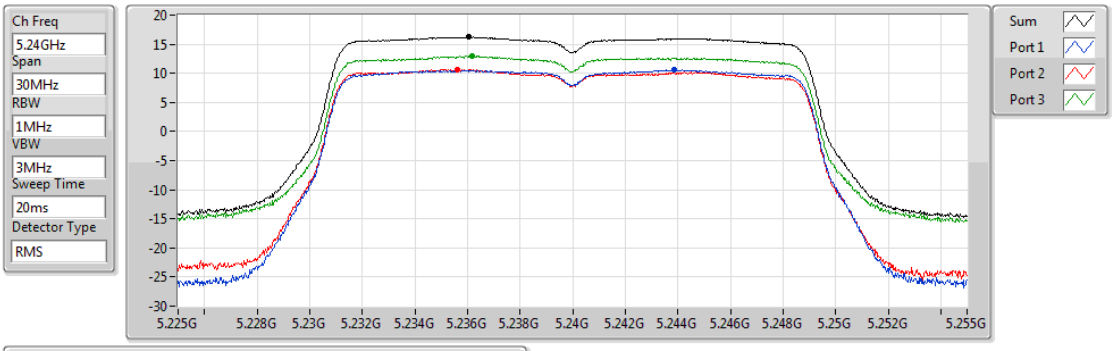
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.37	16.37	10.96	11.33	12.46

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

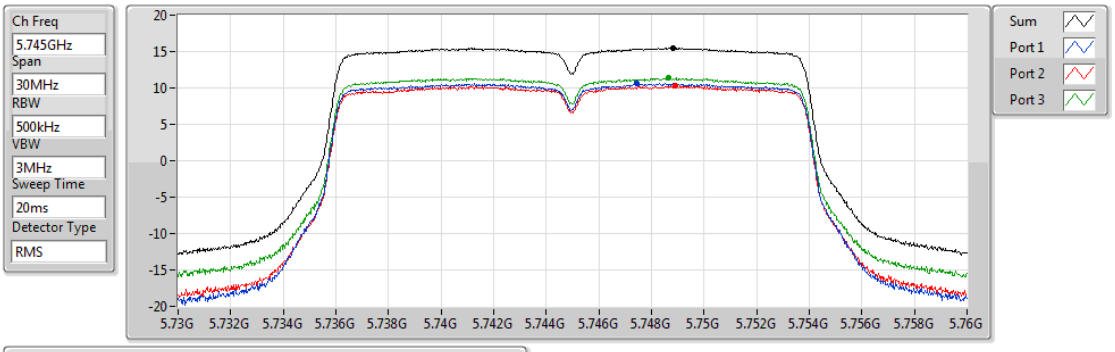
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.22	16.22	10.57	10.67	12.92

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

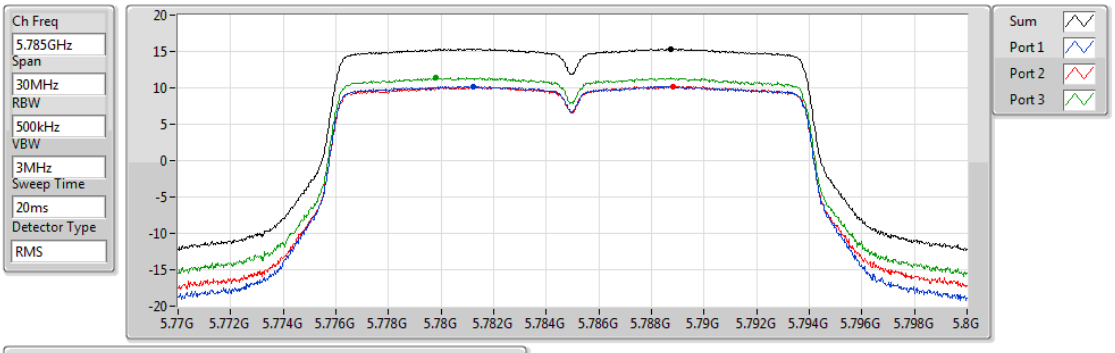
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.49	15.49	10.61	10.28	11.35

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

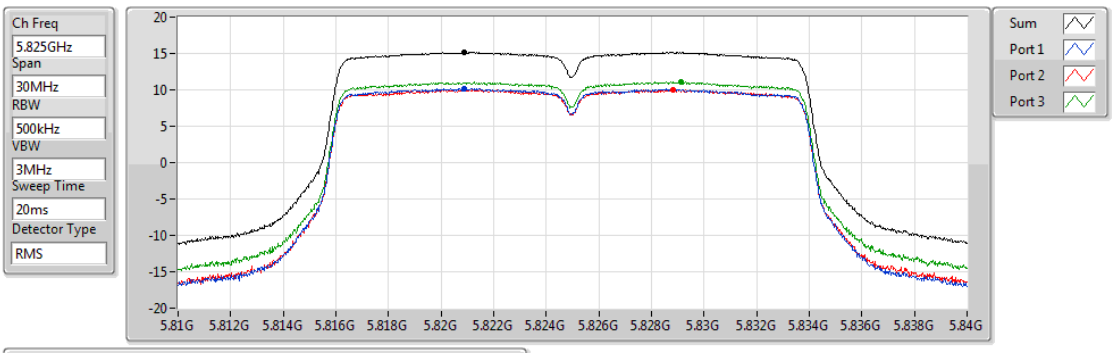
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.38	15.38	10.23	10.21	11.42

802.11ac VHT20_Nss1,(MCS0)_3TX PSD

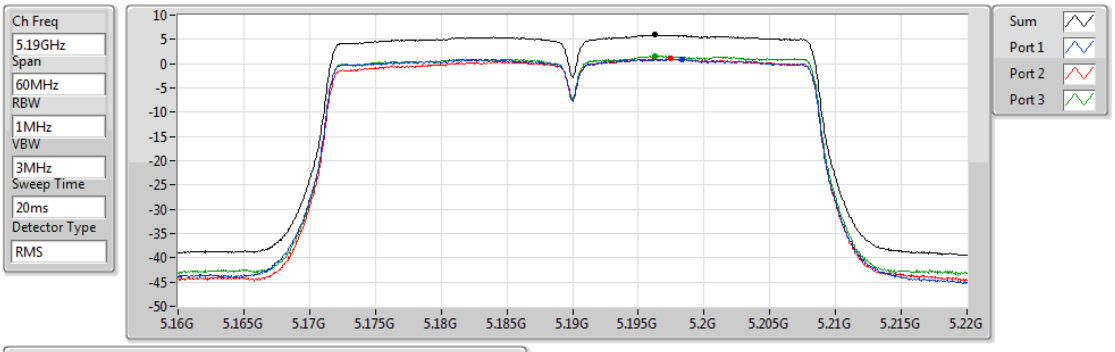
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.15	15.15	10.22	10.05	11.09

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

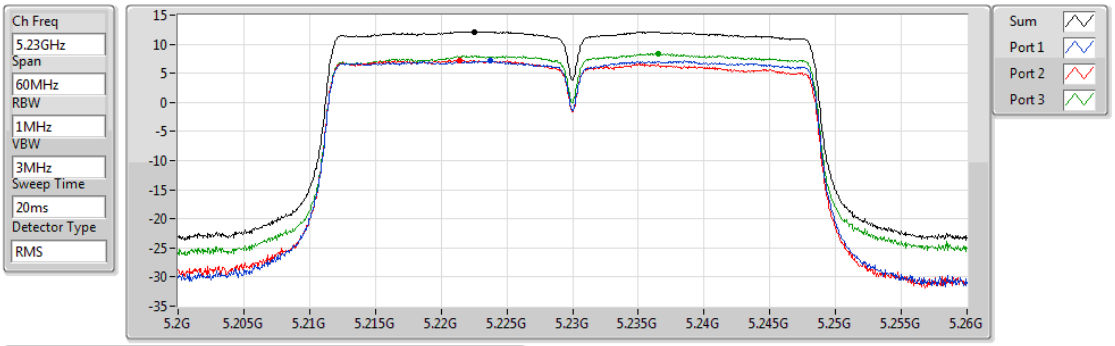
5190MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	0.94	1.02	1.60

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

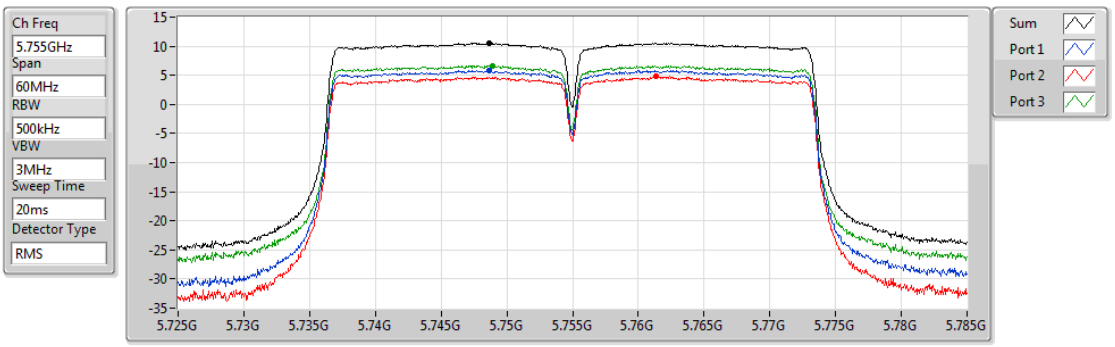
5230MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.14	12.14	7.11	7.25	8.44

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

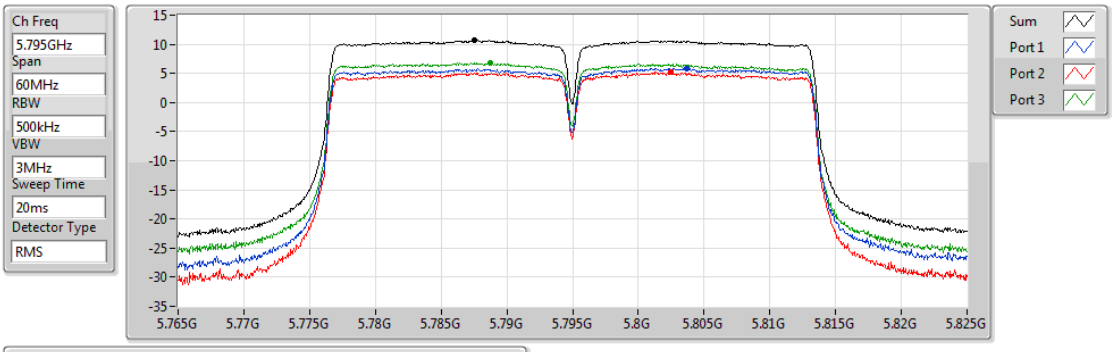
5755MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.51	10.51	5.82	4.79	6.69

802.11ac VHT40_Nss1,(MCS0)_3TX PSD

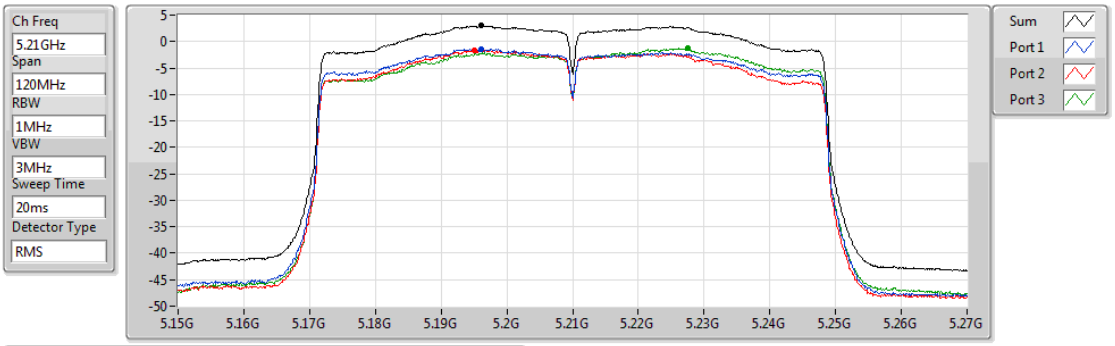
5795MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.64	10.64	5.89	5.16	6.80

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

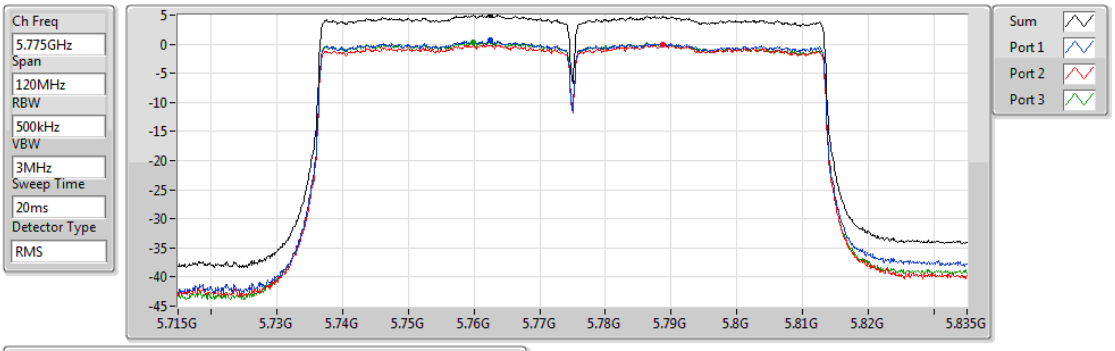
5210MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.97	2.97	-1.34	-1.65	-1.31

802.11ac VHT80_Nss1,(MCS0)_3TX PSD

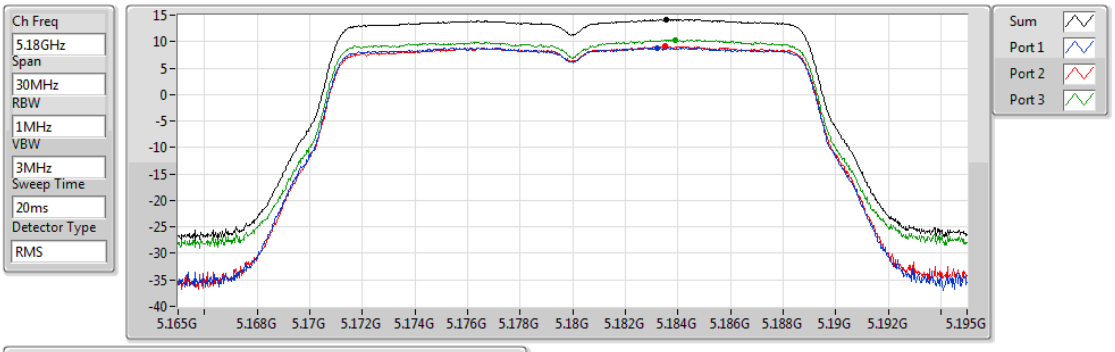
5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.99	4.99	0.68	-0.03	0.40

802.11ac VHT20-BF_Nss1,(MCS0)_3TX PSD

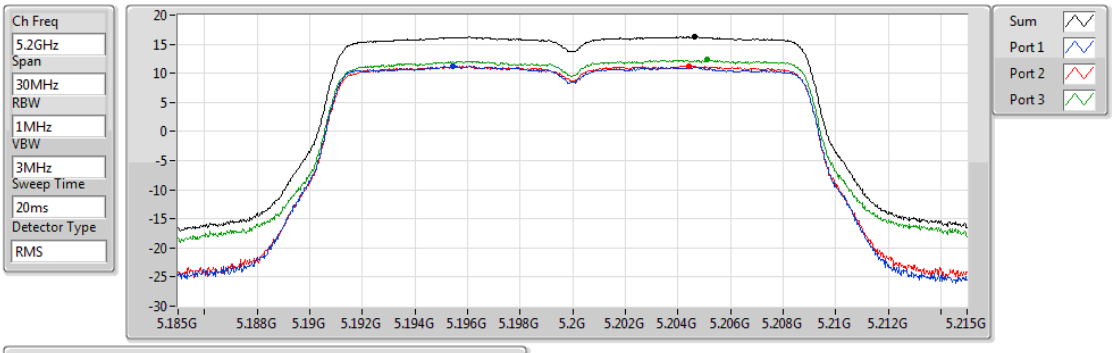
5180MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.17	14.17	8.85	9.10	10.34

802.11ac VHT20-BF_Nss1,(MCS0)_3TX PSD

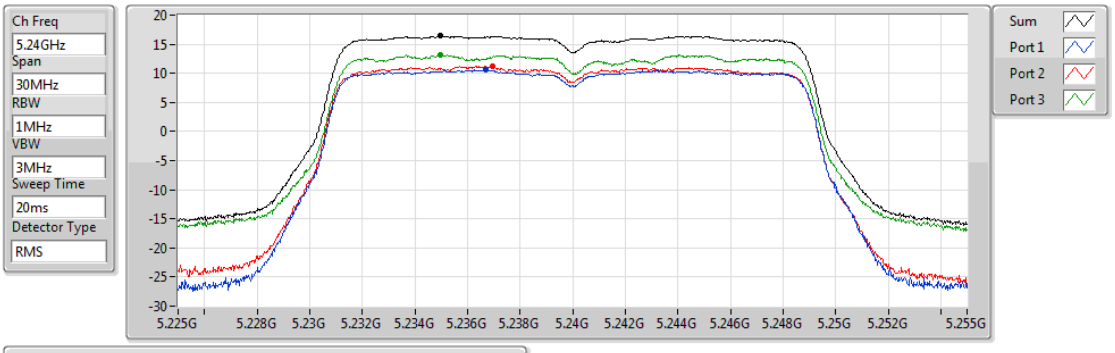
5200MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.25	16.25	11.24	11.30	12.29

802.11ac VHT20-BF_Nss1,(MCS0)_3TX PSD

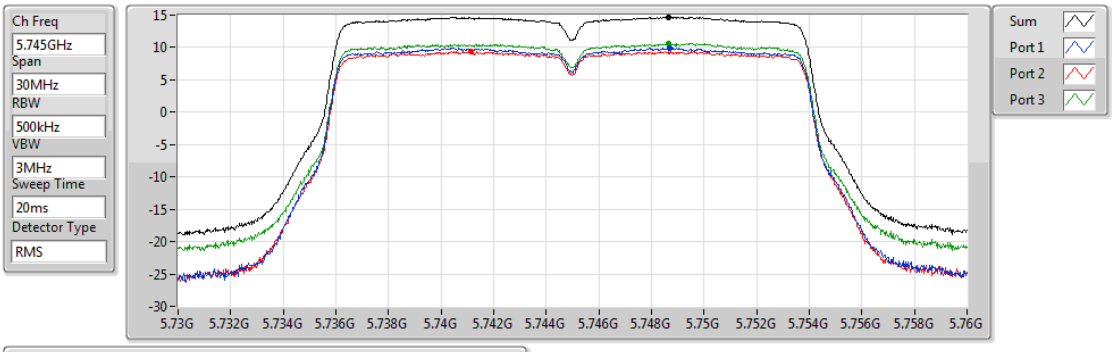
5240MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.41	16.41	10.54	11.17	13.24

802.11ac VHT20-BF_Nss1,(MCS0)_3TX PSD

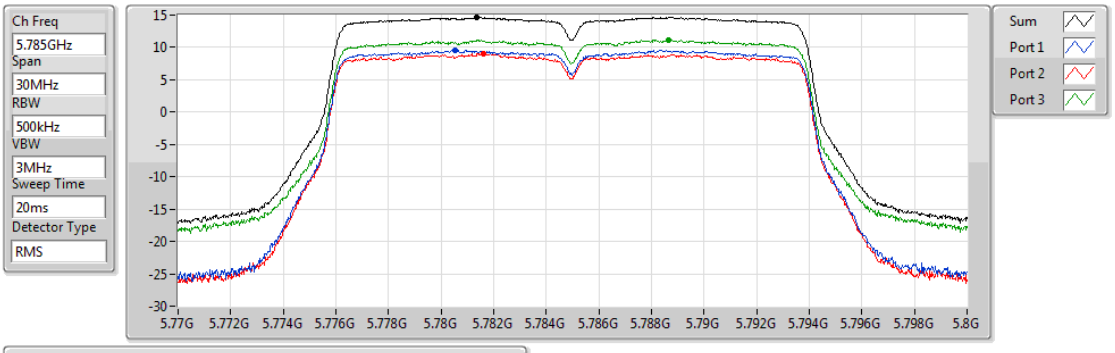
5745MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.70	14.70	9.96	9.36	10.64

802.11ac VHT20-BF_Nss1,(MCS0)_3TX PSD

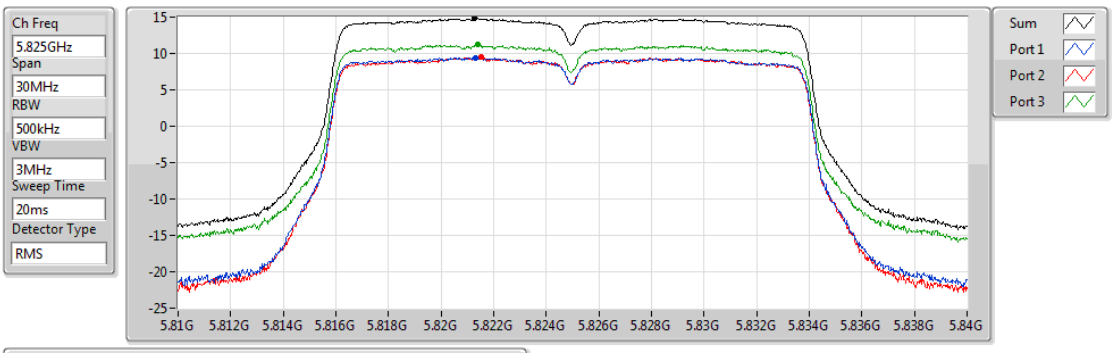
5785MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.67	14.67	9.62	9.01	11.19

802.11ac VHT20-BF_Nss1,(MCS0)_3TX PSD

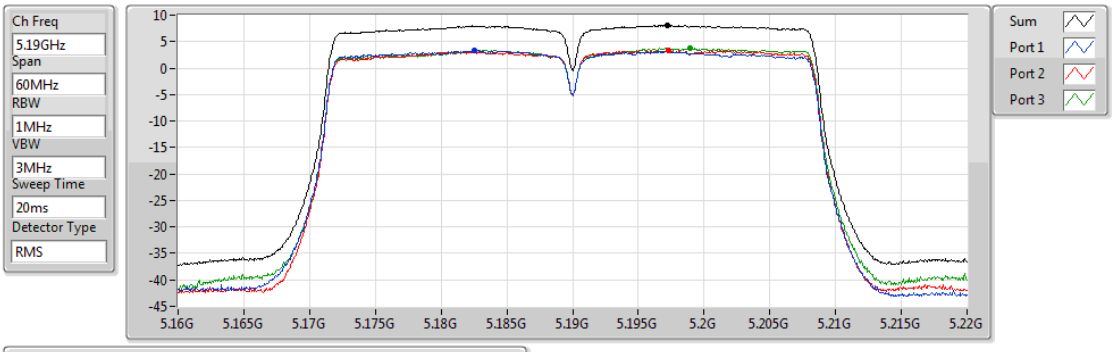
5825MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.79	14.79	9.45	9.49	11.21

802.11ac VHT40-BF_Nss1,(MCS0)_3TX PSD

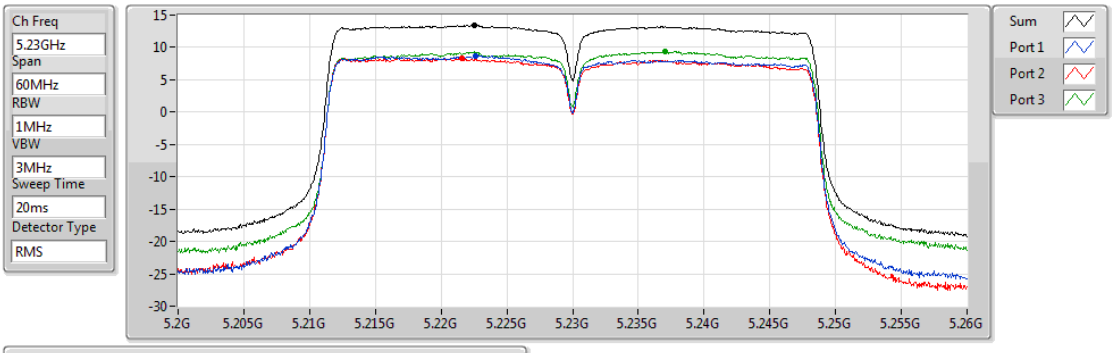
5190MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.10	8.10	3.33	3.36	3.81

802.11ac VHT40-BF_Nss1,(MCS0)_3TX PSD

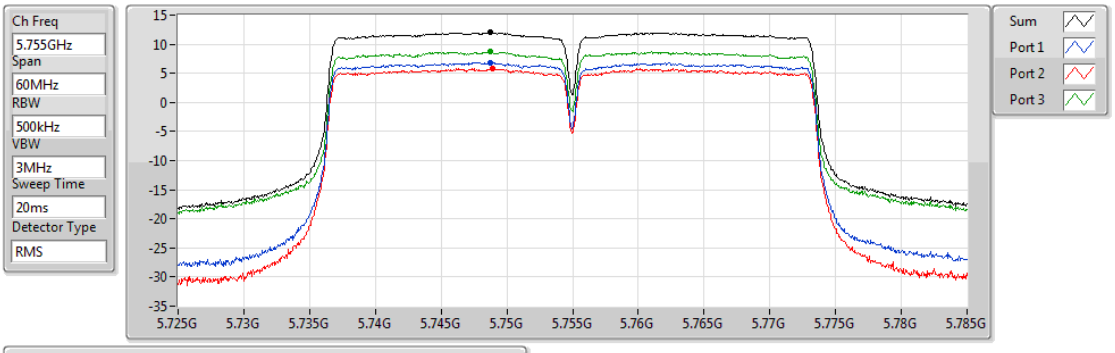
5230MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.46	13.46	8.67	8.26	9.38

802.11ac VHT40-BF_Nss1,(MCS0)_3TX PSD

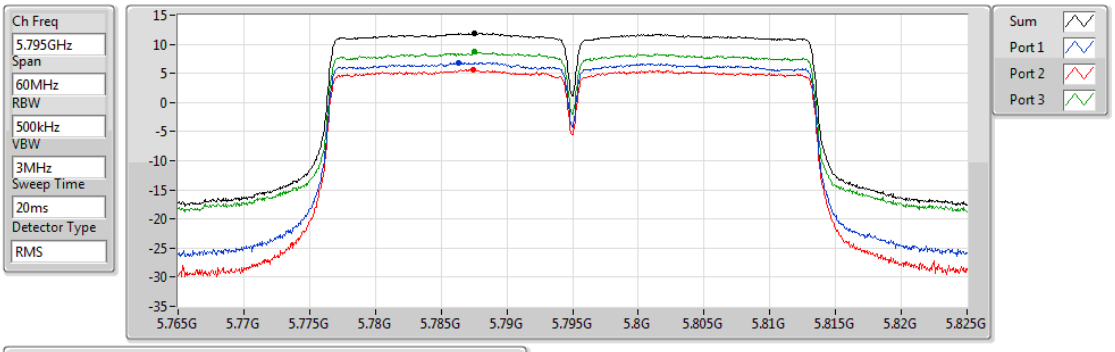
5755MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.01	12.01	6.86	5.86	8.70

802.11ac VHT40-BF_Nss1,(MCS0)_3TX PSD

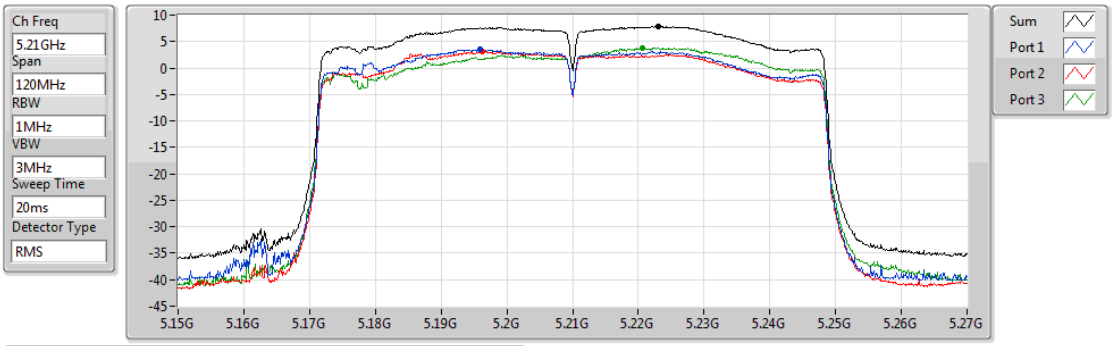
5795MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.92	11.92	6.84	5.68	8.67

802.11ac VHT80-BF_Nss1,(MCS0)_3TX PSD

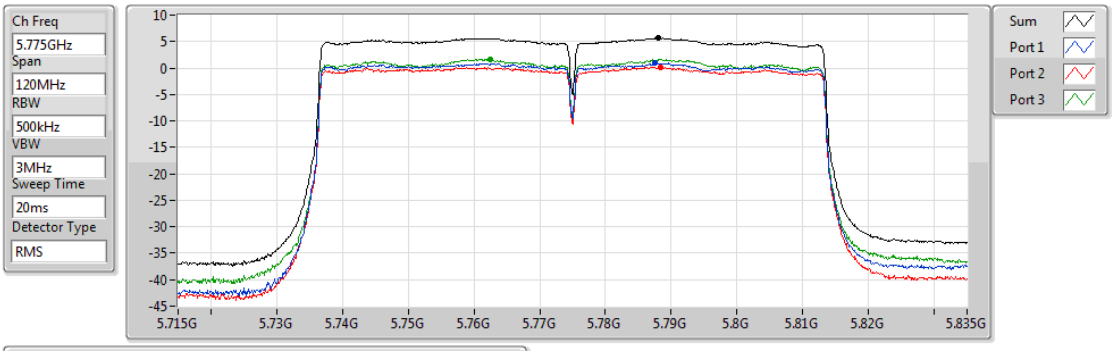
5210MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.82	7.82	3.45	3.19	3.79

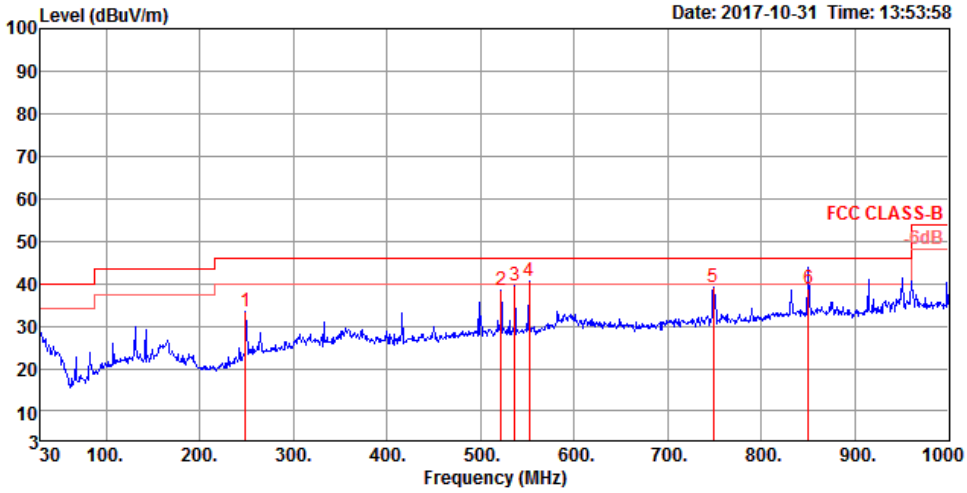
802.11ac VHT80-BF_Nss1,(MCS0)_3TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.66	5.66	0.95	0.22	1.64

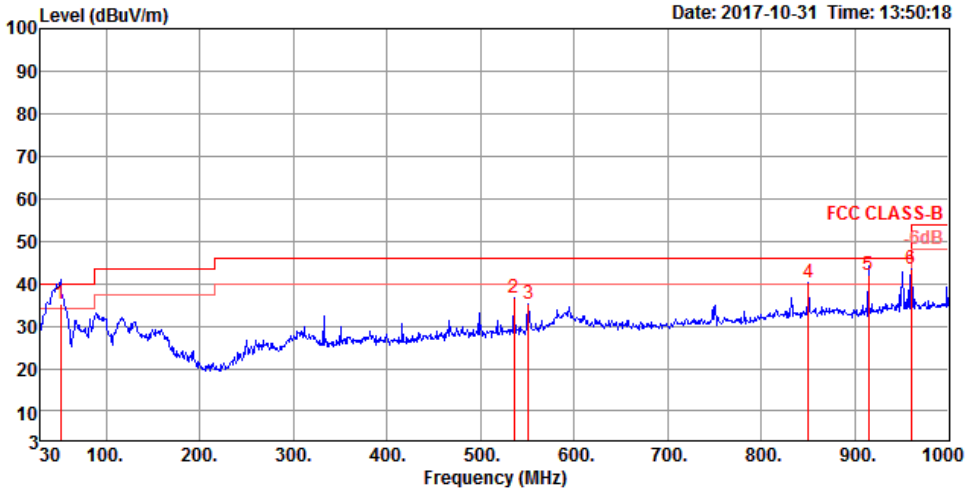
RSE below 1GHz Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	249.22	33.25	46.00	-12.75	44.98	1.83	18.73	32.29	150	214	Peak	HORIZONTAL
2	521.79	38.41	46.00	-7.59	44.00	2.65	24.10	32.34	100	242	Peak	HORIZONTAL
3	536.34	39.61	46.00	-6.39	44.98	2.68	24.30	32.35	100	242	Peak	HORIZONTAL
4	551.86	40.51	46.00	-5.49	45.66	2.71	24.50	32.36	200	236	Peak	HORIZONTAL
5	748.77	39.15	46.00	-6.85	42.13	3.18	26.07	32.23	150	33	Peak	HORIZONTAL
6	850.62	38.72	46.00	-7.28	40.00	3.39	27.20	31.87	200	207	QP	HORIZONTAL

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

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



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	51.34	35.32	40.00	-4.68	52.40	0.82	14.52	32.42	100	360	QP	VERTICAL
2	535.37	36.78	46.00	-9.22	42.15	2.68	24.30	32.35	100	155	Peak	VERTICAL
3	550.89	35.22	46.00	-10.78	40.37	2.71	24.50	32.36	200	0	Peak	VERTICAL
4	850.62	40.22	46.00	-5.78	41.50	3.39	27.20	31.87	150	96	Peak	VERTICAL
5	914.64	41.98	46.00	-4.02	42.31	3.54	27.63	31.50	100	4	QP	VERTICAL
6	960.23	43.40	54.00	-10.60	42.82	3.63	27.96	31.01	150	267	Peak	VERTICAL

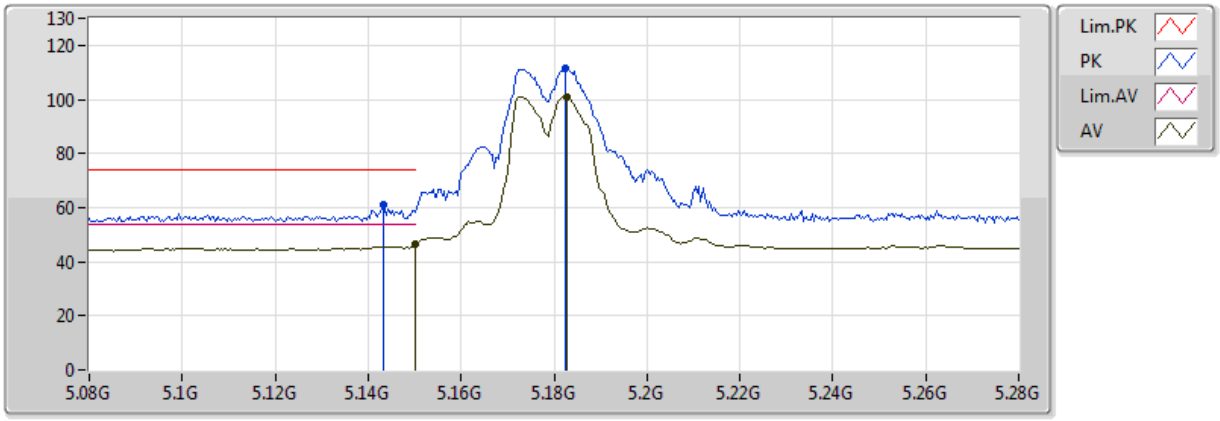
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_3TX	Pass	AV	5.1476G	53.98	54.00	-0.02	4.16	3	Horizontal	283	1.74	-

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

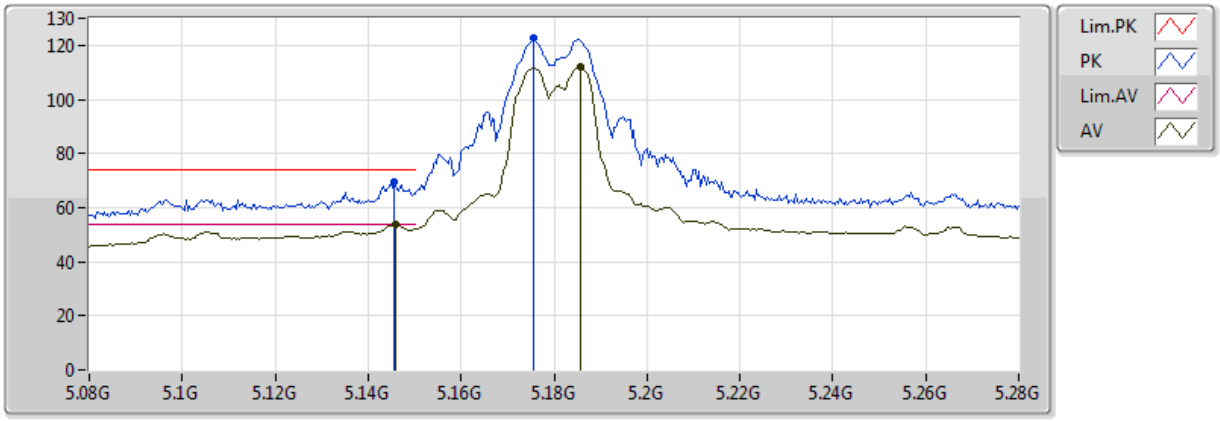


20170919
EUT Y_3TX
Setting 78
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	46.29	54.00	-7.71	4.17	3	Vertical	162	2.79
AV	5.1828G	101.07	Inf	-Inf	4.24	3	Vertical	162	2.79
PK	5.1432G	60.97	74.00	-13.03	4.16	3	Vertical	162	2.79
PK	5.1824G	111.35	Inf	-Inf	4.24	3	Vertical	162	2.79

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

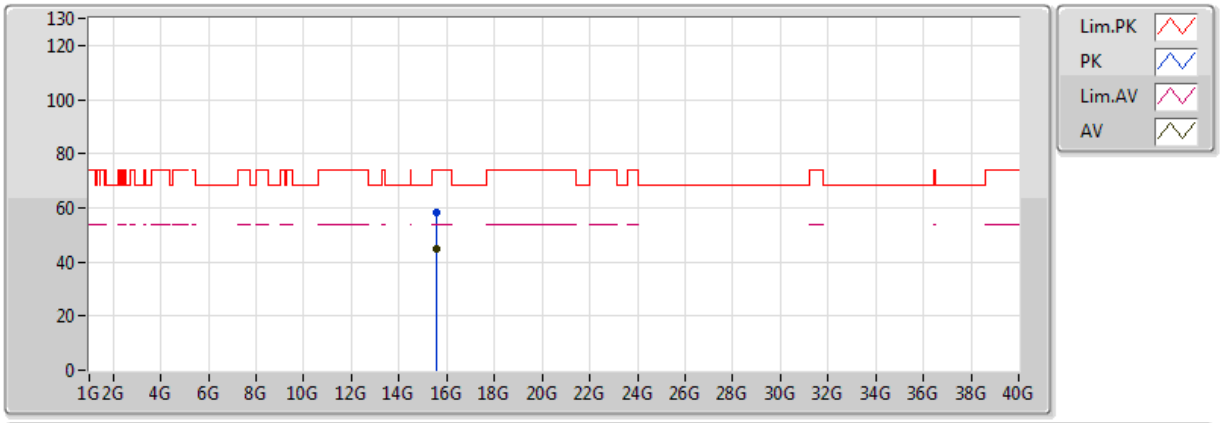


20170919
EUT Y_3TX
Setting 78
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.146G	53.90	54.00	-0.10	4.16	3	Horizontal	282	1.94
AV	5.1856G	111.94	Inf	-Inf	4.25	3	Horizontal	282	1.94
PK	5.1456G	69.61	74.00	-4.39	4.16	3	Horizontal	282	1.94
PK	5.1756G	122.87	Inf	-Inf	4.23	3	Horizontal	282	1.94

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

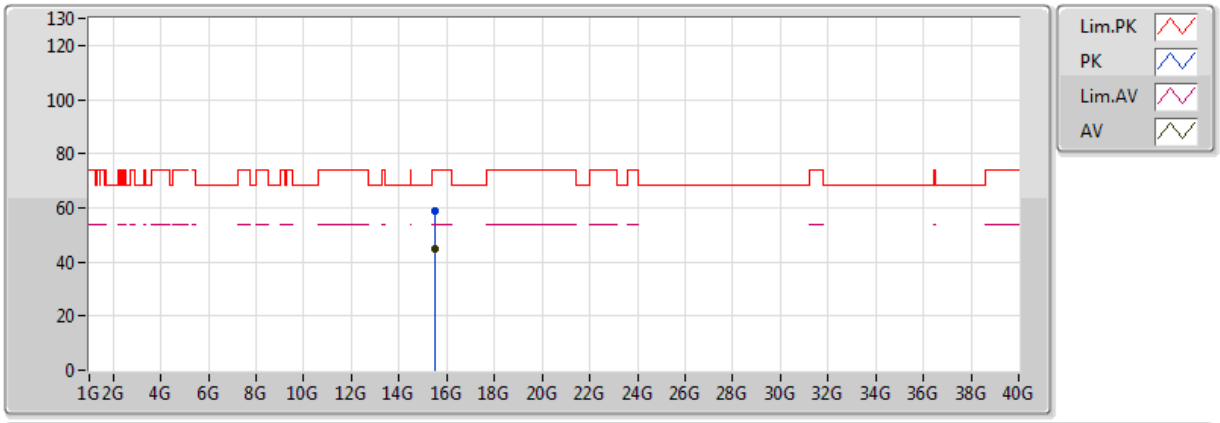


20170919
EUT Y_3TX
Setting 78
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.54112G	44.84	54.00	-9.16	13.53	3	Vertical	94	1.61
PK	15.53984G	58.29	74.00	-15.71	13.53	3	Vertical	94	1.61

802.11a_Nss1,(6Mbps)_3TX

5180MHz_TX

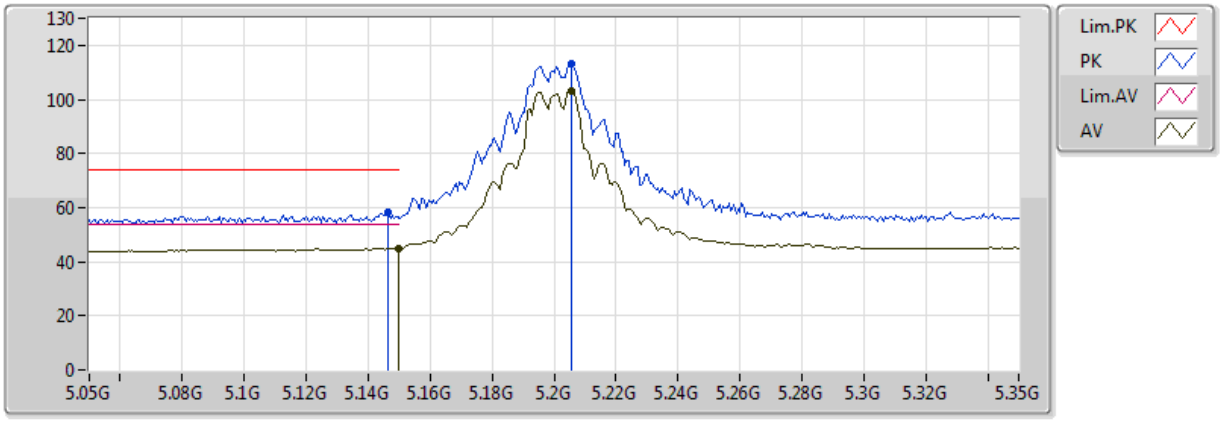


20170919
EUT Y_3TX
Setting 78
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.53096G	44.79	54.00	-9.21	13.54	3	Horizontal	27	1.21
PK	15.53152G	59.03	74.00	-14.97	13.54	3	Horizontal	27	1.21

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX

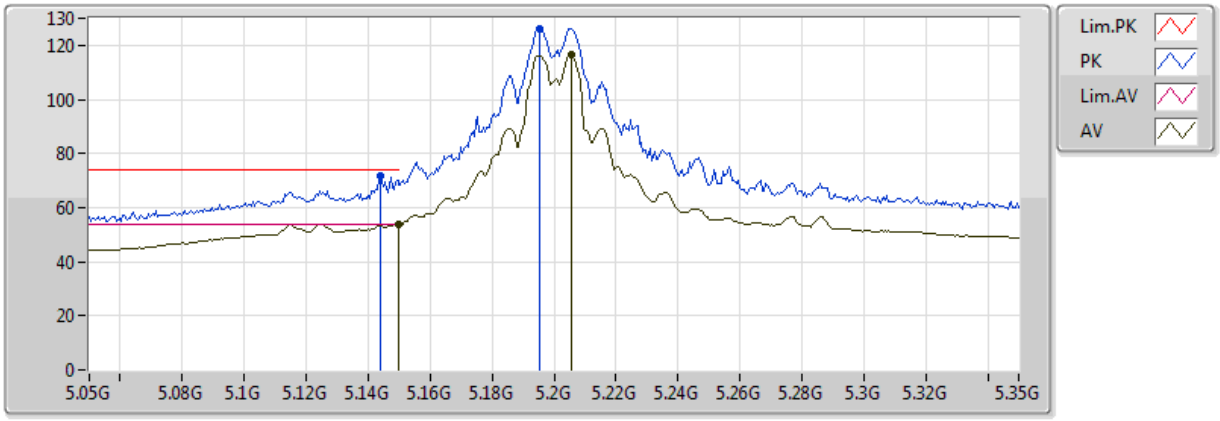


20170919
EUT Y_3TX
Setting 98
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	45.03	54.00	-8.97	4.17	3	Vertical	321	1.50
AV	5.2054G	103.27	Inf	-Inf	4.29	3	Vertical	321	1.50
PK	5.1466G	58.29	74.00	-15.71	4.16	3	Vertical	321	1.50
PK	5.2054G	113.03	Inf	-Inf	4.29	3	Vertical	321	1.50

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX



20170919
EUT Y_3TX
Setting 98
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	53.92	54.00	-0.08	4.17	3	Horizontal	283	1.99
AV	5.2054G	116.29	Inf	-Inf	4.29	3	Horizontal	283	1.99
PK	5.1442G	71.71	74.00	-2.29	4.16	3	Horizontal	283	1.99
PK	5.1952G	126.25	Inf	-Inf	4.27	3	Horizontal	283	1.99

802.11a_Nss1,(6Mbps)_3TX

5200MHz_TX

20170919
EUT Y_3TX
Setting 98
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.59604G	44.45	54.00	-9.55	13.47	3	Vertical	172	1.35
PK	15.60032G	58.01	74.00	-15.99	13.46	3	Vertical	172	1.35

802.11a_Nss1,(6Mbps)_3TX

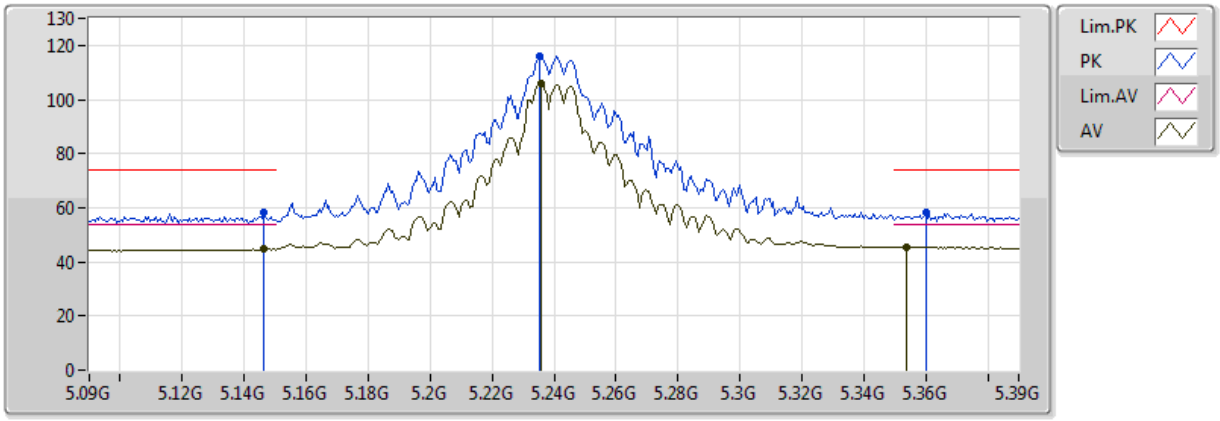
5200MHz_TX

20170919
EUT Y_3TX
Setting 98
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.59832G	44.47	54.00	-9.53	13.47	3	Horizontal	21	1.27
PK	15.59648G	58.14	74.00	-15.86	13.47	3	Horizontal	21	1.27

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

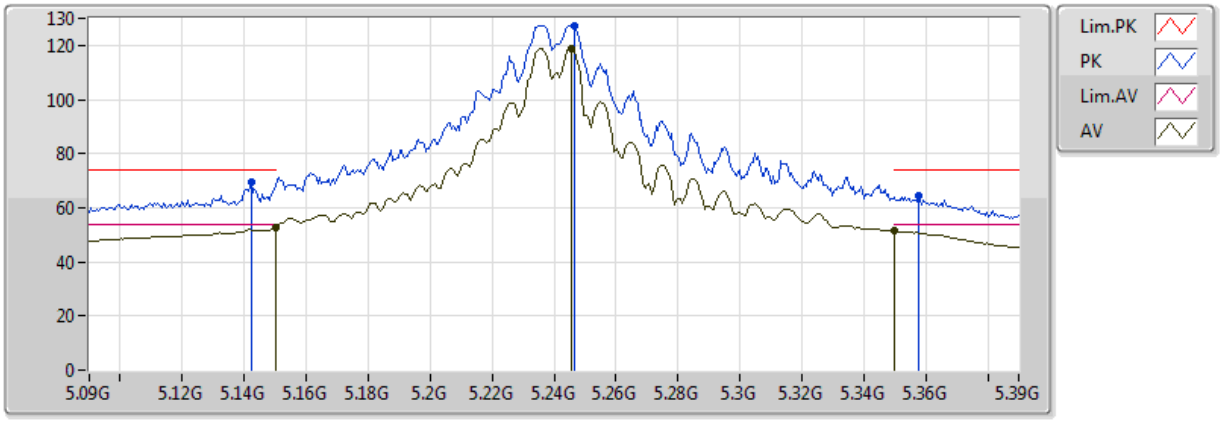


20170919
EUT Y_3TX
Setting 120(Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1464G	44.87	54.00	-9.13	4.16	3	Vertical	321	1.47
AV	5.2358G	106.11	Inf	-Inf	4.34	3	Vertical	321	1.47
AV	5.354G	45.52	54.00	-8.48	4.53	3	Vertical	321	1.47
PK	5.1464G	58.37	74.00	-15.63	4.16	3	Vertical	321	1.47
PK	5.2352G	116.03	Inf	-Inf	4.34	3	Vertical	321	1.47
PK	5.36G	58.17	74.00	-15.83	4.53	3	Vertical	321	1.47

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

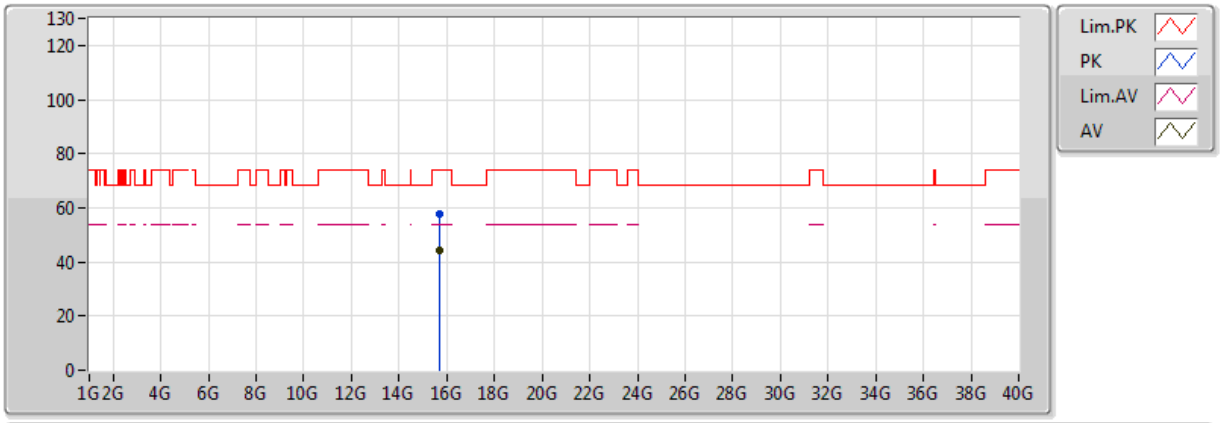


20170919
EUT Y_3TX
Setting 120(Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	52.60	54.00	-1.40	4.17	3	Horizontal	285	1.98
AV	5.2454G	118.96	Inf	-Inf	4.36	3	Horizontal	285	1.98
AV	5.350005G	51.32	54.00	-2.68	4.52	3	Horizontal	285	1.98
PK	5.1422G	69.34	74.00	-4.66	4.15	3	Horizontal	285	1.98
PK	5.2466G	127.19	Inf	-Inf	4.36	3	Horizontal	285	1.98
PK	5.3576G	64.42	74.00	-9.58	4.53	3	Horizontal	285	1.98

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

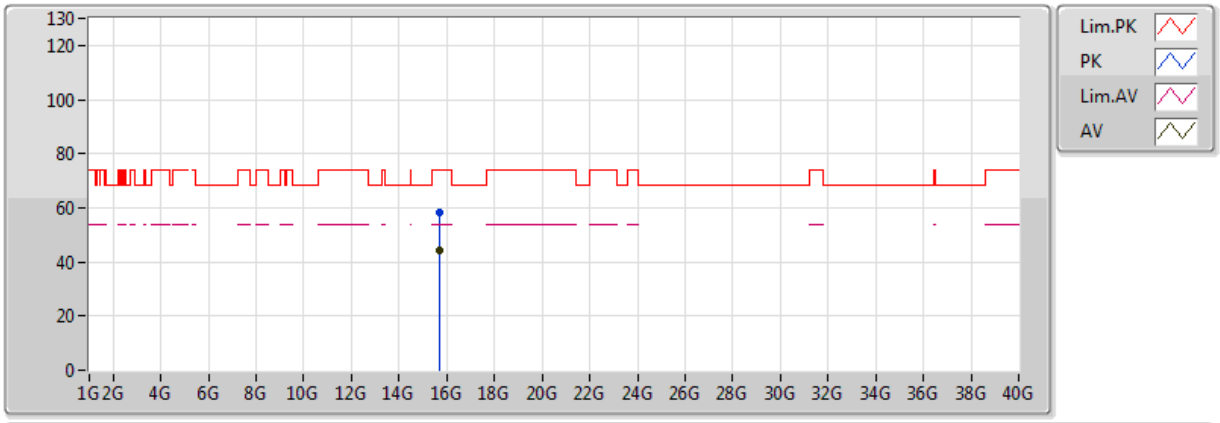


20170919
EUT Y_3TX
Setting 120(Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.72177G	44.08	54.00	-9.92	13.32	3	Vertical	185	1.44
PK	15.71785G	57.70	74.00	-16.30	13.33	3	Vertical	185	1.44

802.11a_Nss1,(6Mbps)_3TX

5240MHz_TX

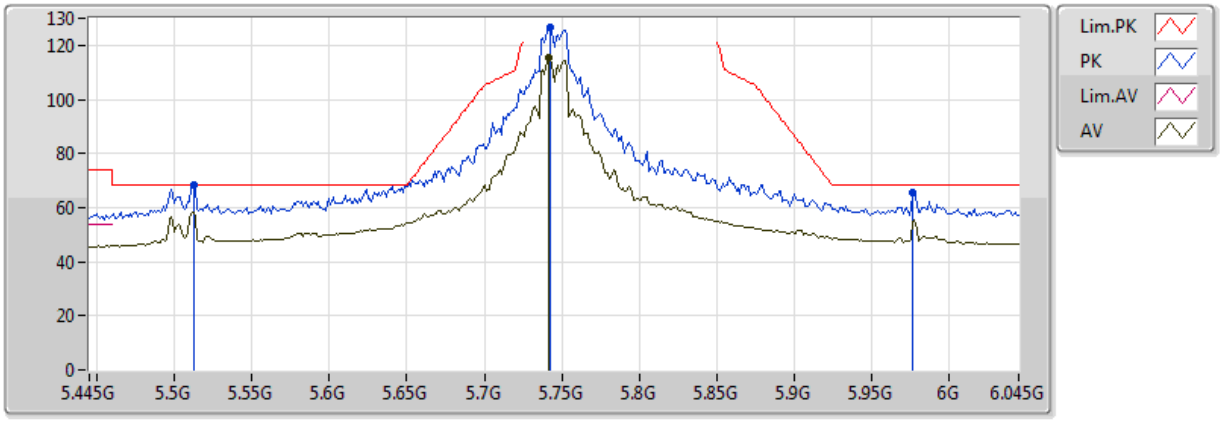


20170919
EUT Y_3TX
Setting 120(Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.7175G	44.10	54.00	-9.90	13.33	3	Horizontal	55	1.97
PK	15.71905G	58.07	74.00	-15.93	13.33	3	Horizontal	55	1.97

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

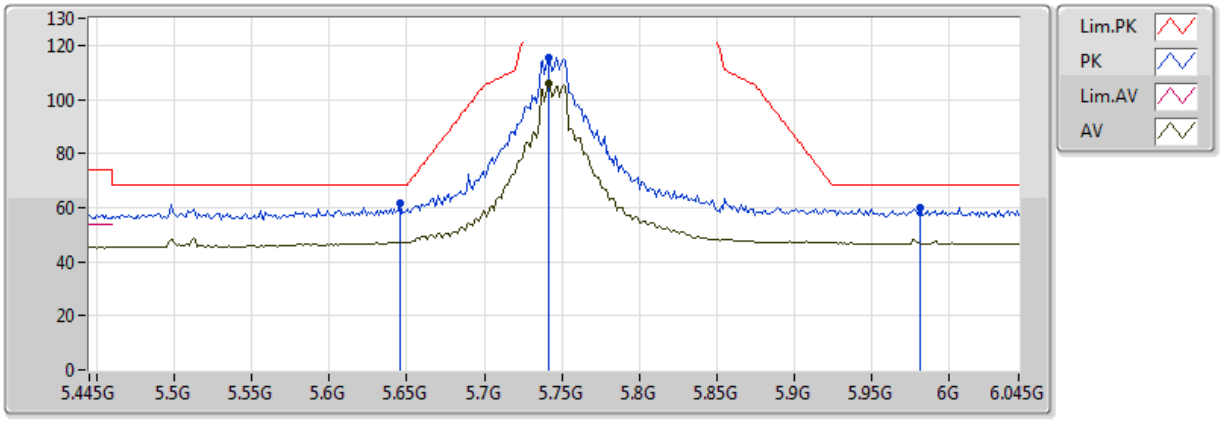


20170919
EUT Z_3TX
Setting 100
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7414G	115.61	Inf	-Inf	5.71	3	Vertical	73	1.92
PK	5.5122G	68.17	68.20	-0.03	4.95	3	Vertical	73	1.92
PK	5.7426G	126.76	Inf	-Inf	5.72	3	Vertical	73	1.92
PK	5.9766G	65.64	68.20	-2.56	6.53	3	Vertical	73	1.92

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

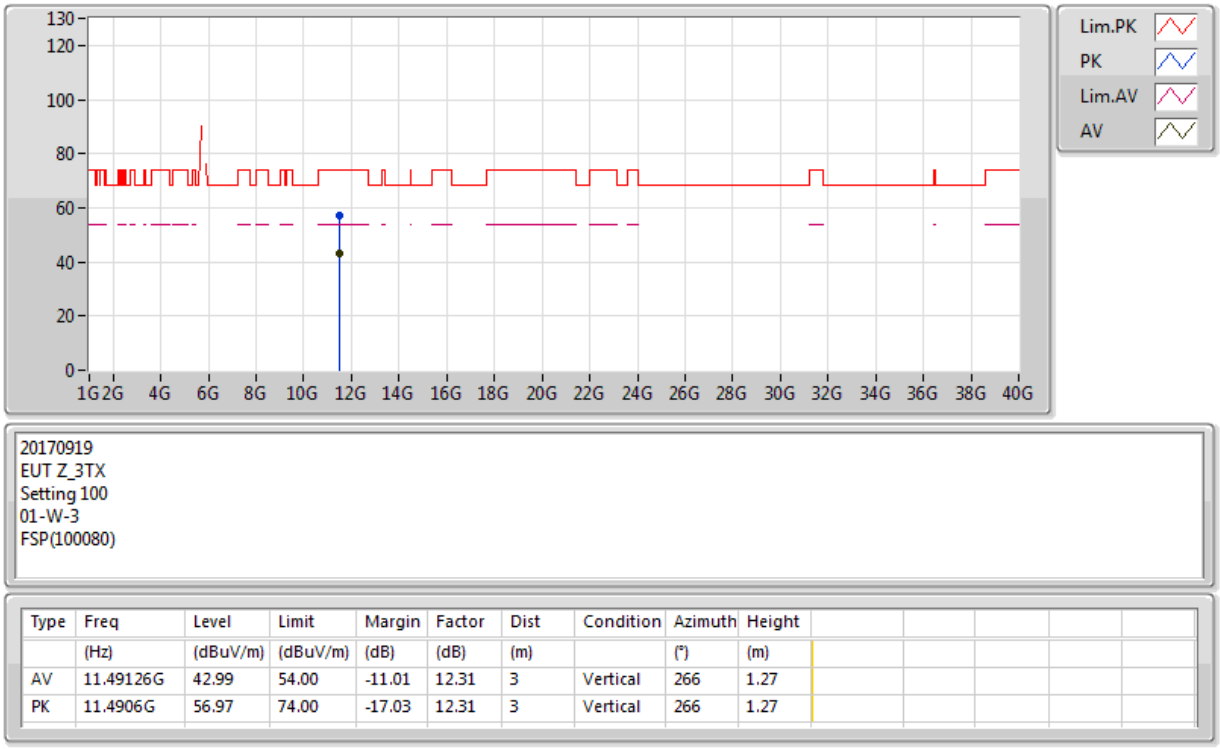


20170919
EUT Z_3TX
Setting 100
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7414G	105.79	Inf	-Inf	5.71	3	Horizontal	82	1.20
PK	5.6454G	61.71	68.20	-6.49	5.44	3	Horizontal	82	1.20
PK	5.7414G	115.46	Inf	-Inf	5.71	3	Horizontal	82	1.20
PK	5.9814G	59.84	68.20	-8.36	6.55	3	Horizontal	82	1.20

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

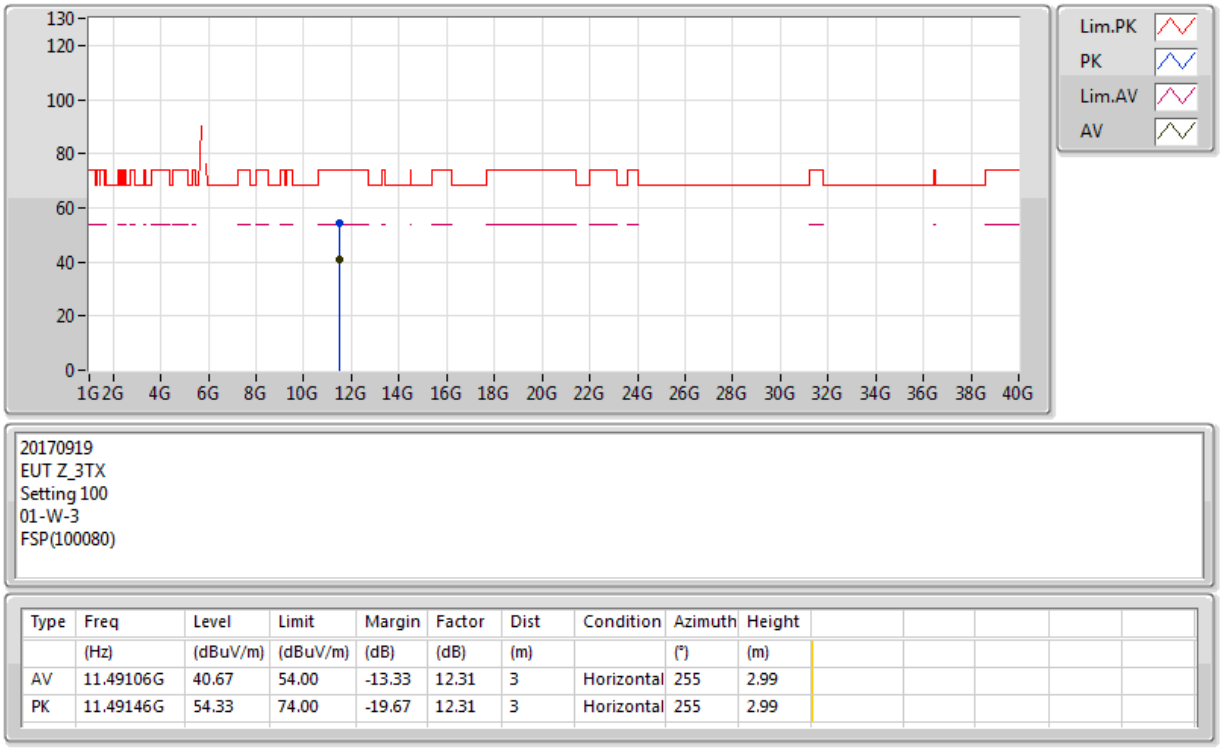


20170919
EUT Z_3TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.49126G	42.99	54.00	-11.01	12.31	3	Vertical	266	1.27
PK	11.4906G	56.97	74.00	-17.03	12.31	3	Vertical	266	1.27

802.11a_Nss1,(6Mbps)_3TX

5745MHz_TX

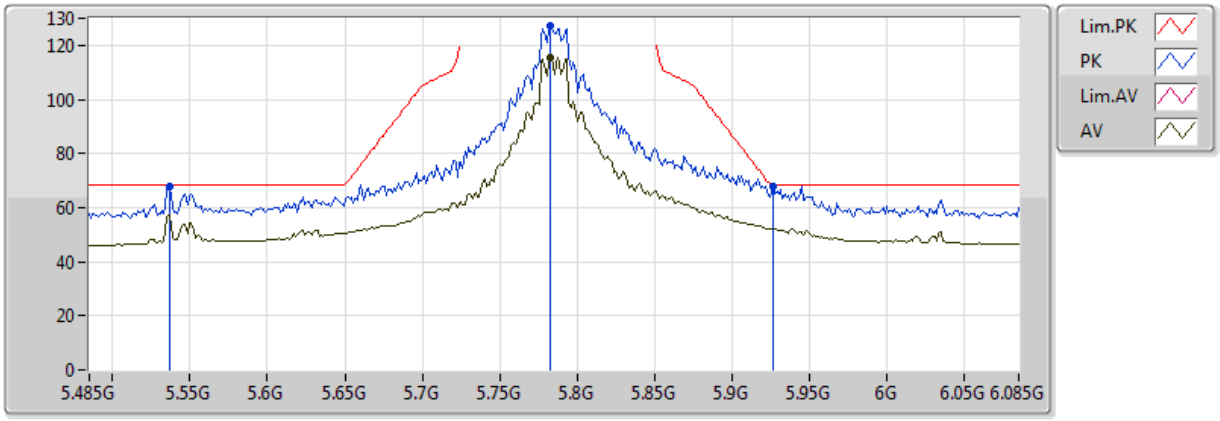


20170919
EUT Z_3TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.49106G	40.67	54.00	-13.33	12.31	3	Horizontal	255	2.99
PK	11.49146G	54.33	74.00	-19.67	12.31	3	Horizontal	255	2.99

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

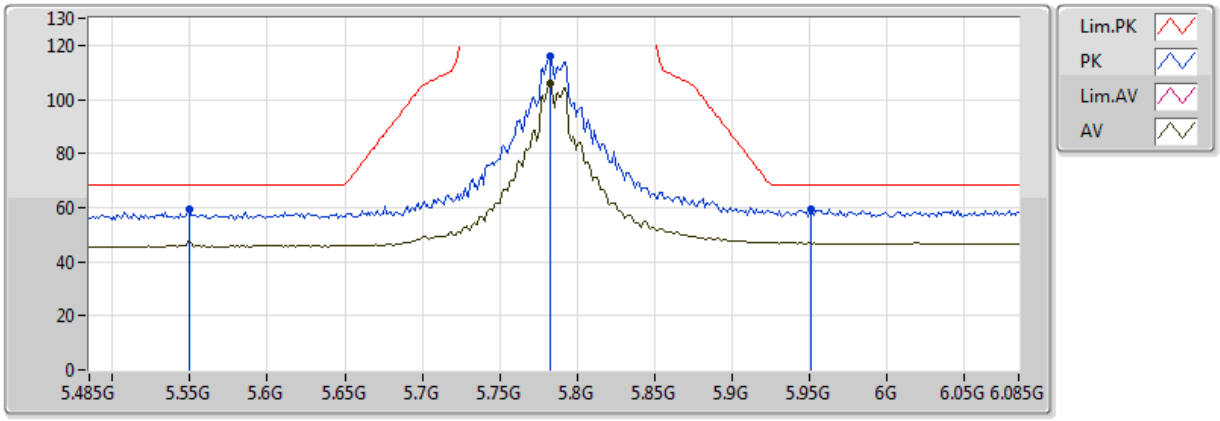


20170919
EUT Z_3TX
Setting 102
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7826G	115.55	Inf	-Inf	5.82	3	Vertical	119	1.93
PK	5.5366G	67.87	68.20	-0.33	5.05	3	Vertical	119	1.93
PK	5.7826G	127.35	Inf	-Inf	5.82	3	Vertical	119	1.93
PK	5.9266G	68.03	68.20	-0.17	6.34	3	Vertical	119	1.93

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

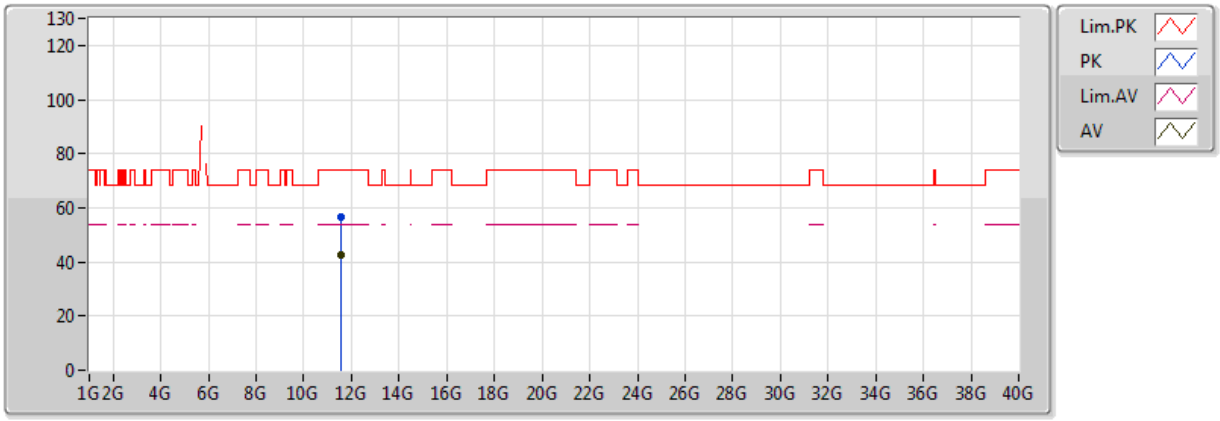


20170919
EUT Z_3TX
Setting 102
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7826G	105.78	Inf	-Inf	5.82	3	Horizontal	76	2.27
PK	5.5498G	59.49	68.20	-8.71	5.10	3	Horizontal	76	2.27
PK	5.7826G	116.01	Inf	-Inf	5.82	3	Horizontal	76	2.27
PK	5.9506G	59.20	68.20	-9.00	6.43	3	Horizontal	76	2.27

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

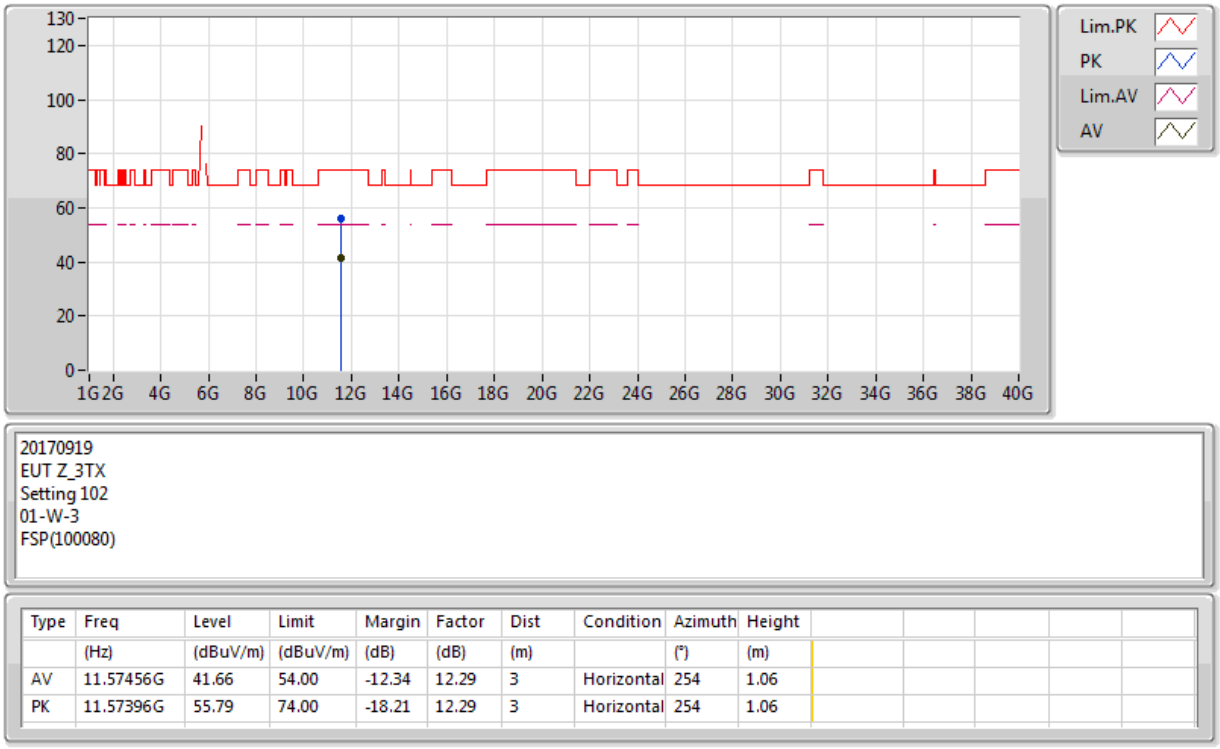


20170919
EUT Z_3TX
Setting 102
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.57158G	42.72	54.00	-11.28	12.29	3	Vertical	266	1.33
PK	11.5722G	56.47	74.00	-17.53	12.29	3	Vertical	266	1.33

802.11a_Nss1,(6Mbps)_3TX

5785MHz_TX

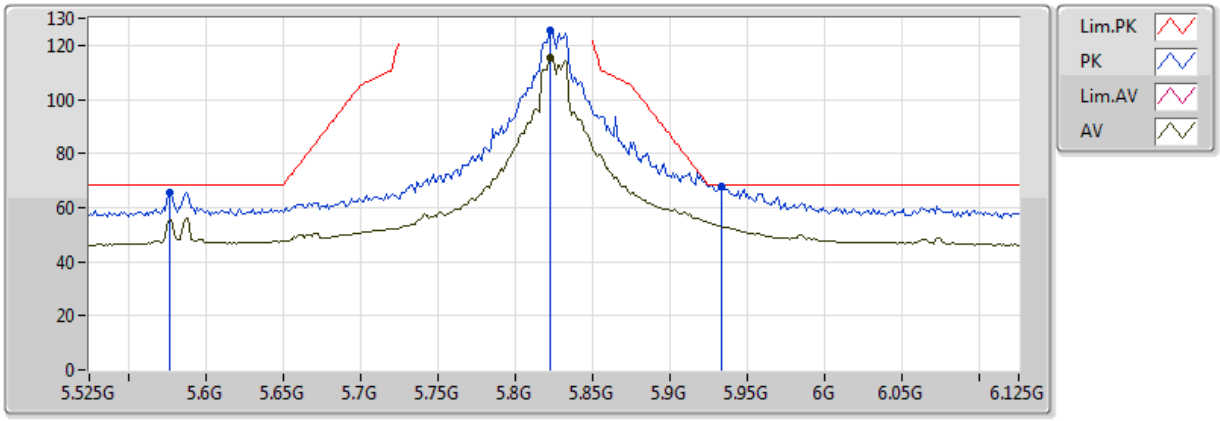


20170919
EUT Z_3TX
Setting 102
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.57456G	41.66	54.00	-12.34	12.29	3	Horizontal	254	1.06
PK	11.57396G	55.79	74.00	-18.21	12.29	3	Horizontal	254	1.06

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX

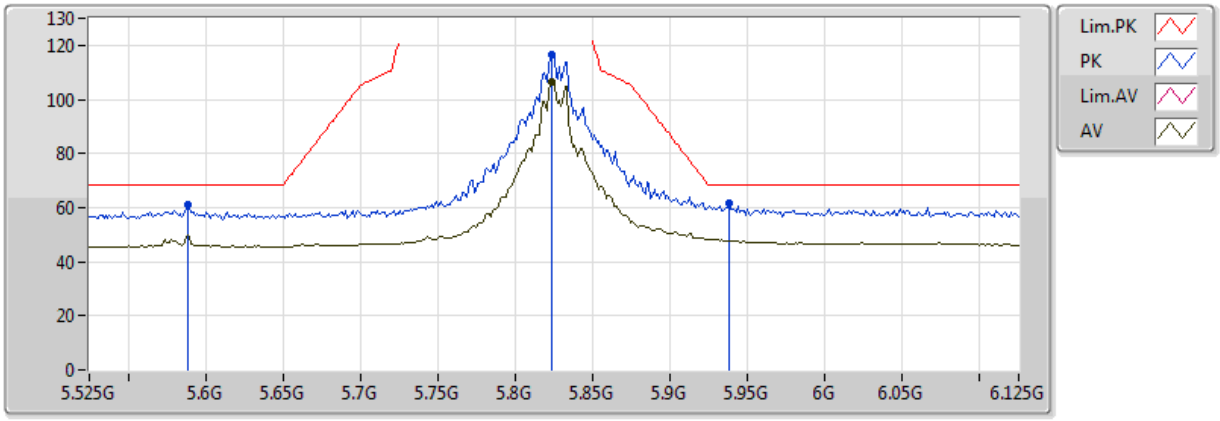


20170919
EUT Z_3TX
Setting 93
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.8226G	115.55	Inf	-Inf	5.95	3	Vertical	71	1.87
PK	5.5766G	65.79	68.20	-2.41	5.21	3	Vertical	71	1.87
PK	5.8226G	125.49	Inf	-Inf	5.95	3	Vertical	71	1.87
PK	5.933G	67.86	68.20	-0.34	6.37	3	Vertical	71	1.87

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX

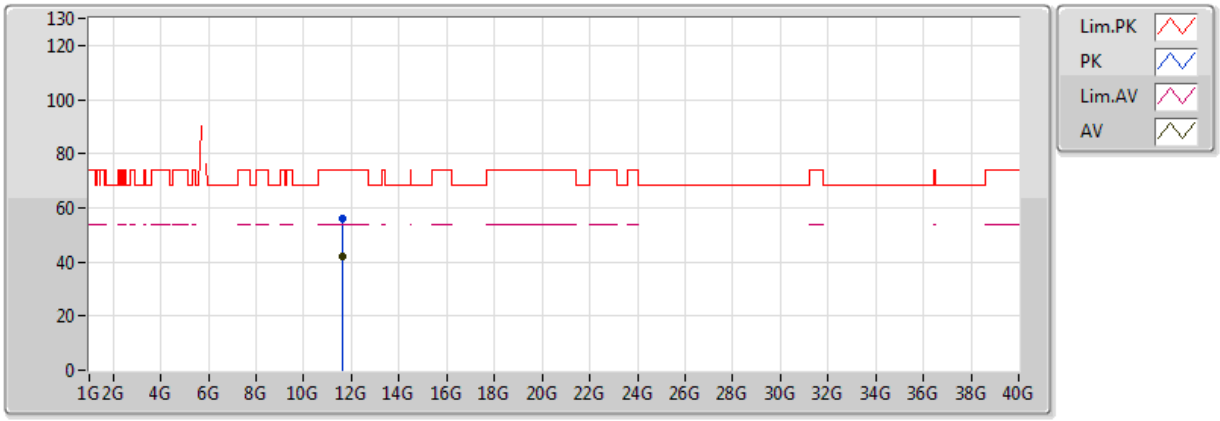


20170919
EUT Z_3TX
Setting 93
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.8238G	106.71	Inf	-Inf	5.96	3	Horizontal	60	1.05
PK	5.5886G	60.86	68.20	-7.34	5.26	3	Horizontal	60	1.05
PK	5.8238G	116.70	Inf	-Inf	5.96	3	Horizontal	60	1.05
PK	5.9378G	61.46	68.20	-6.74	6.38	3	Horizontal	60	1.05

802.11a_Nss1,(6Mbps)_3TX

5825MHz_TX



20170919
EUT Z_3TX
Setting 93
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.653G	42.18	54.00	-11.82	12.28	3	Vertical	77	1.70
PK	11.64788G	55.76	74.00	-18.24	12.28	3	Vertical	77	1.70

802.11a_Nss1,(6Mbps)_3TX

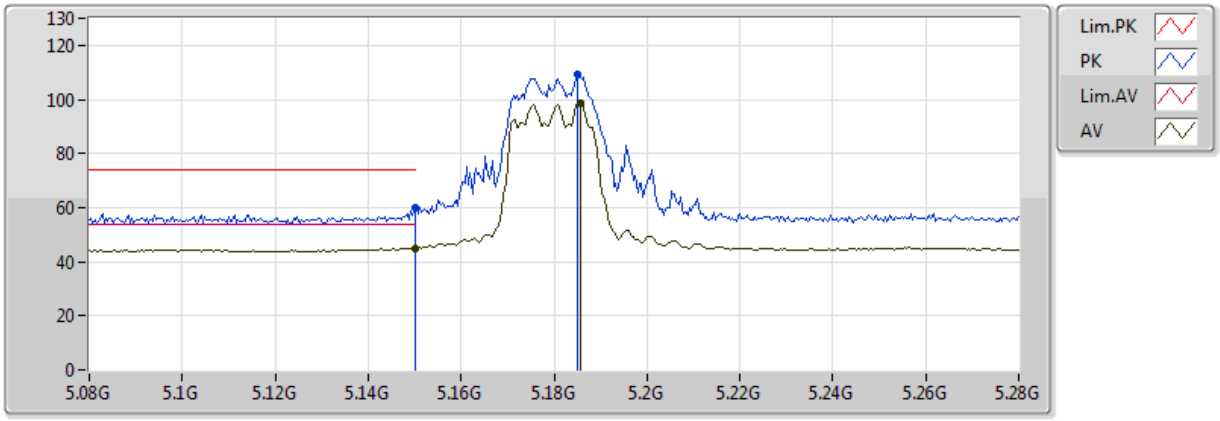
5825MHz_TX

20170919
EUT Z_3TX
Setting 93
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64652G	41.75	54.00	-12.25	12.28	3	Horizontal	254	1.16
PK	11.6462G	54.89	74.00	-19.11	12.28	3	Horizontal	254	1.16

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

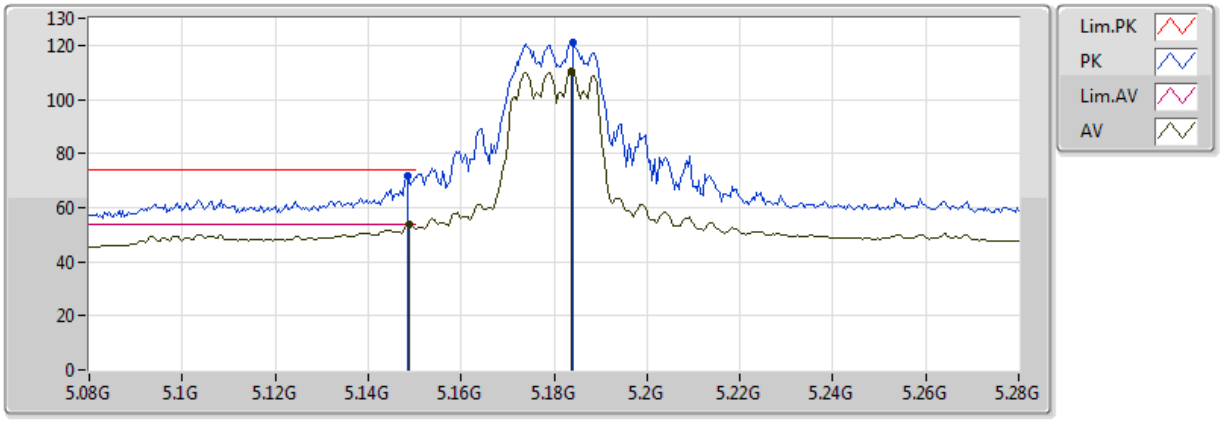


20170919
EUT Y_3TX
Setting 74
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	44.99	54.00	-9.01	4.17	3	Vertical	325	1.43
AV	5.1856G	98.84	Inf	-Inf	4.25	3	Vertical	325	1.43
PK	5.149995G	59.80	74.00	-14.20	4.17	3	Vertical	325	1.43
PK	5.1852G	109.29	Inf	-Inf	4.25	3	Vertical	325	1.43

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

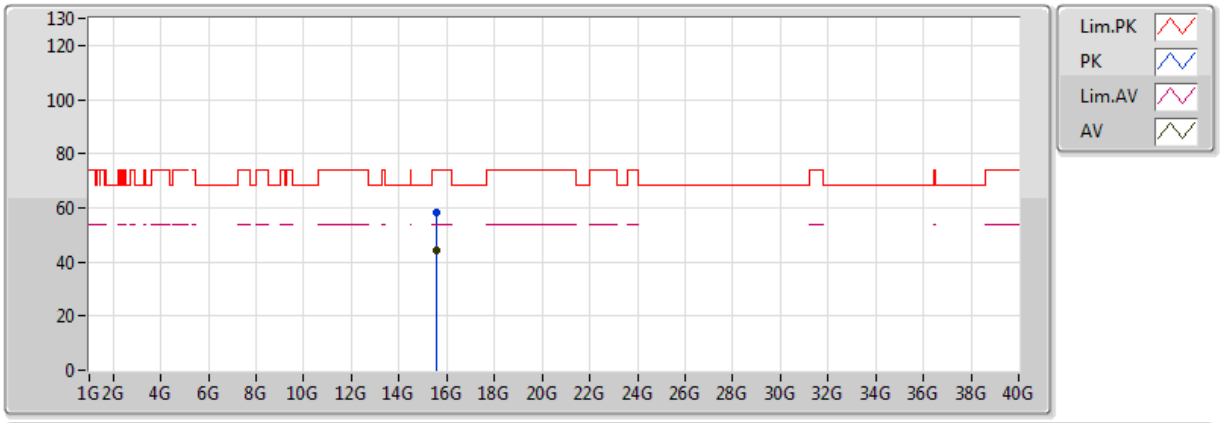


20170919
EUT Y_3TX
Setting 74
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1488G	53.91	54.00	-0.09	4.17	3	Horizontal	284	2.30
AV	5.1836G	110.23	Inf	-Inf	4.24	3	Horizontal	284	2.30
PK	5.1484G	71.58	74.00	-2.42	4.17	3	Horizontal	284	2.30
PK	5.184G	121.15	Inf	-Inf	4.24	3	Horizontal	284	2.30

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

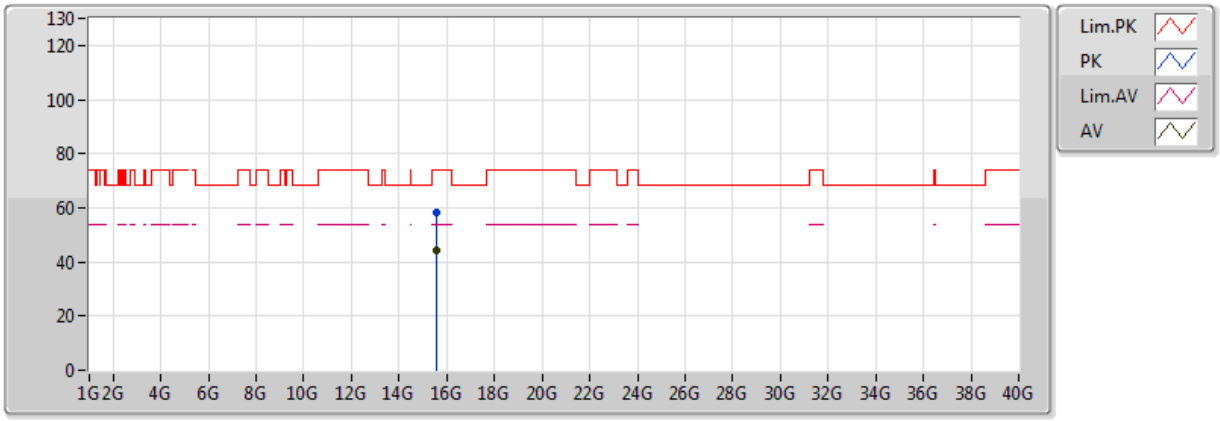


20170919
EUT Y_3TX
Setting 74
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.5387G	44.44	54.00	-9.56	13.54	3	Vertical	317	2.49
PK	15.54136G	58.32	74.00	-15.68	13.53	3	Vertical	317	2.49

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

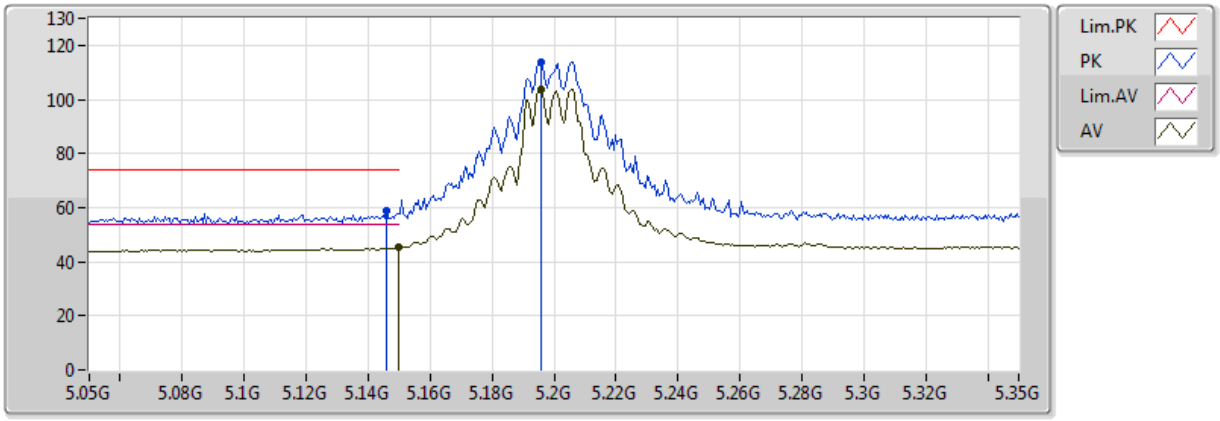


20170919
EUT Y_3TX
Setting 74
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.53861G	44.42	54.00	-9.58	13.54	3	Horizontal	297	2.28
PK	15.5425G	58.10	74.00	-15.90	13.53	3	Horizontal	297	2.28

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

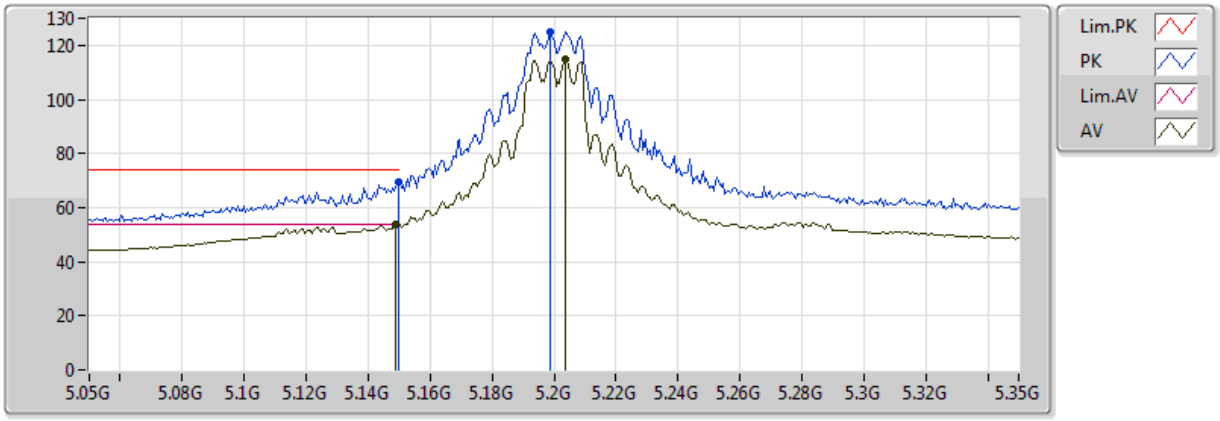


20170919
EUT Y_3TX
Setting 95
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	45.54	54.00	-8.46	4.17	3	Vertical	322	1.41
AV	5.1958G	103.75	Inf	-Inf	4.27	3	Vertical	322	1.41
PK	5.146G	59.03	74.00	-14.97	4.16	3	Vertical	322	1.41
PK	5.1958G	113.98	Inf	-Inf	4.27	3	Vertical	322	1.41

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

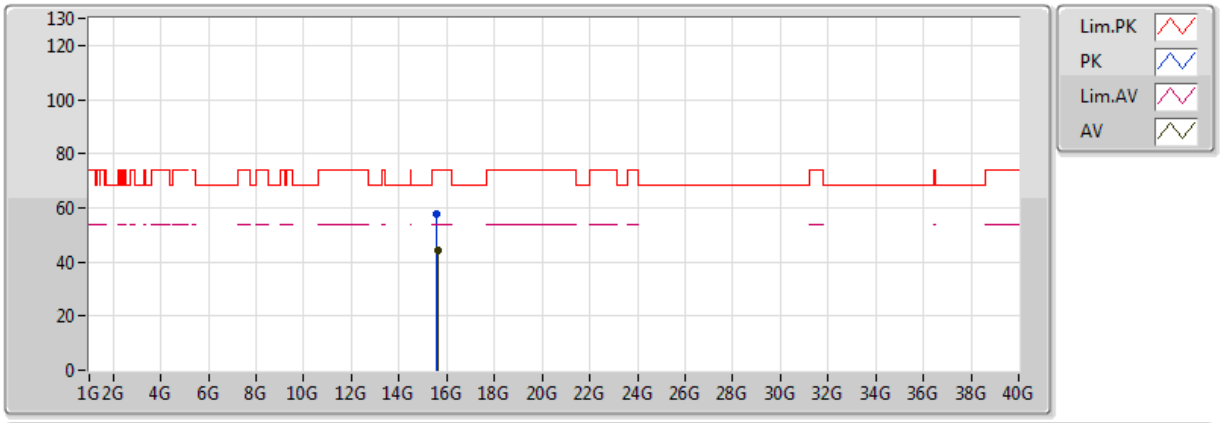


20170919
EUT Y_3TX
Setting 95
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149G	53.95	54.00	-0.05	4.17	3	Horizontal	281	2.29
AV	5.2036G	115.06	Inf	-Inf	4.29	3	Horizontal	281	2.29
PK	5.1496G	69.55	74.00	-4.45	4.17	3	Horizontal	281	2.29
PK	5.1988G	125.22	Inf	-Inf	4.28	3	Horizontal	281	2.29

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

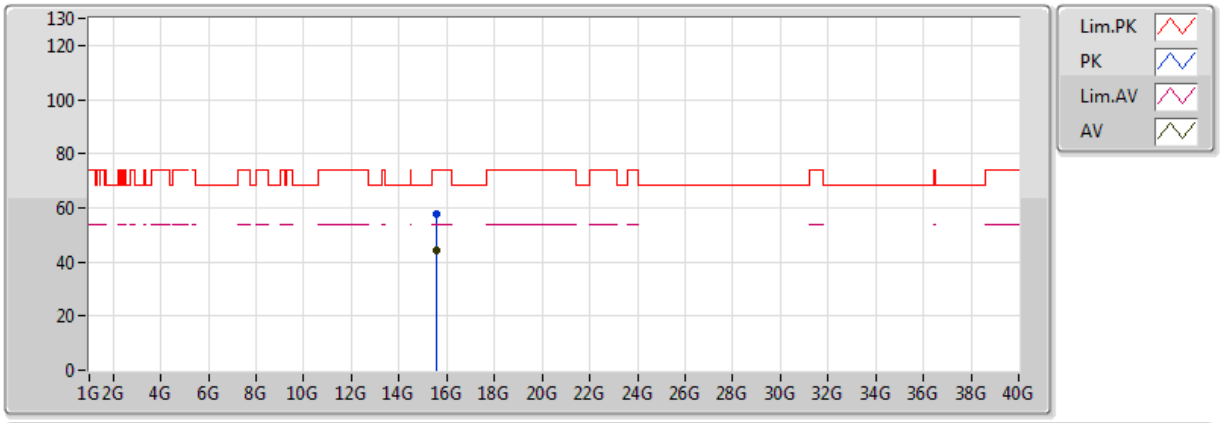


20170919
EUT Y_3TX
Setting 95
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.60118G	44.17	54.00	-9.83	13.46	3	Vertical	238	1.26
PK	15.60045G	57.99	74.00	-16.01	13.46	3	Vertical	238	1.26

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

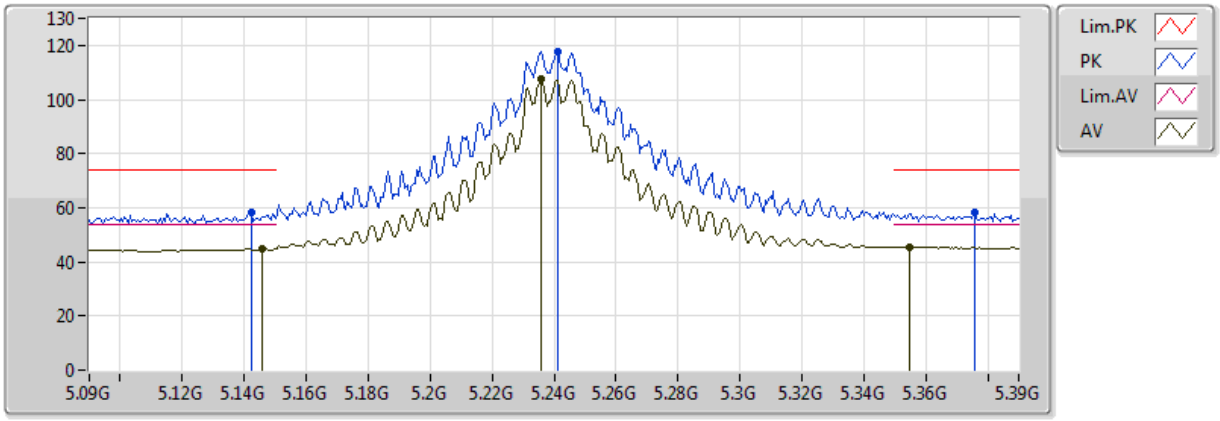


20170919
EUT Y_3TX
Setting 95
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.59852G	44.19	54.00	-9.81	13.47	3	Horizontal	288	2.28
PK	15.60113G	57.89	74.00	-16.11	13.46	3	Horizontal	288	2.28

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

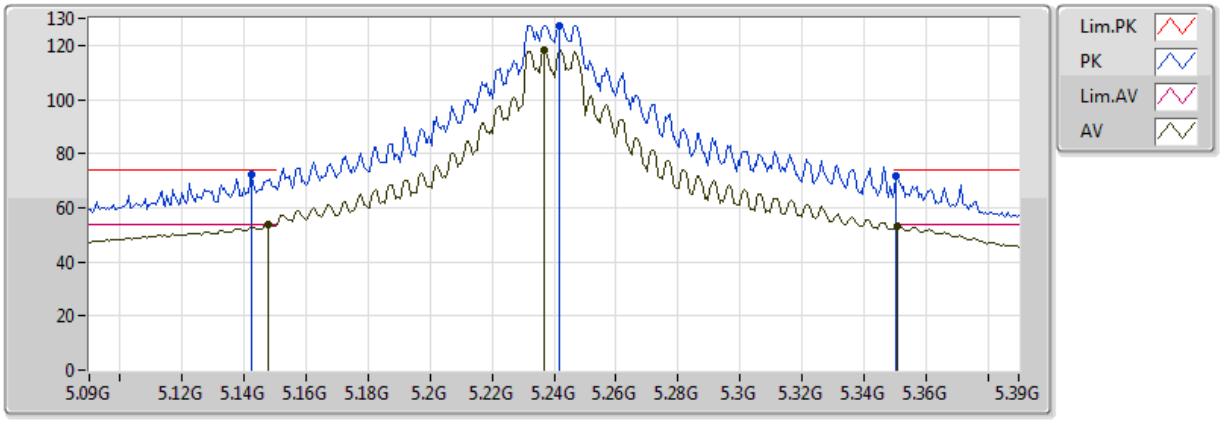


20170919
EUT Y_3TX
Setting 113
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1458G	44.93	54.00	-9.07	4.16	3	Vertical	323	1.48
AV	5.2358G	107.56	Inf	-Inf	4.34	3	Vertical	323	1.48
AV	5.3546G	45.55	54.00	-8.45	4.53	3	Vertical	323	1.48
PK	5.1422G	58.13	74.00	-15.87	4.15	3	Vertical	323	1.48
PK	5.2412G	117.67	Inf	-Inf	4.35	3	Vertical	323	1.48
PK	5.3756G	58.03	74.00	-15.97	4.56	3	Vertical	323	1.48

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

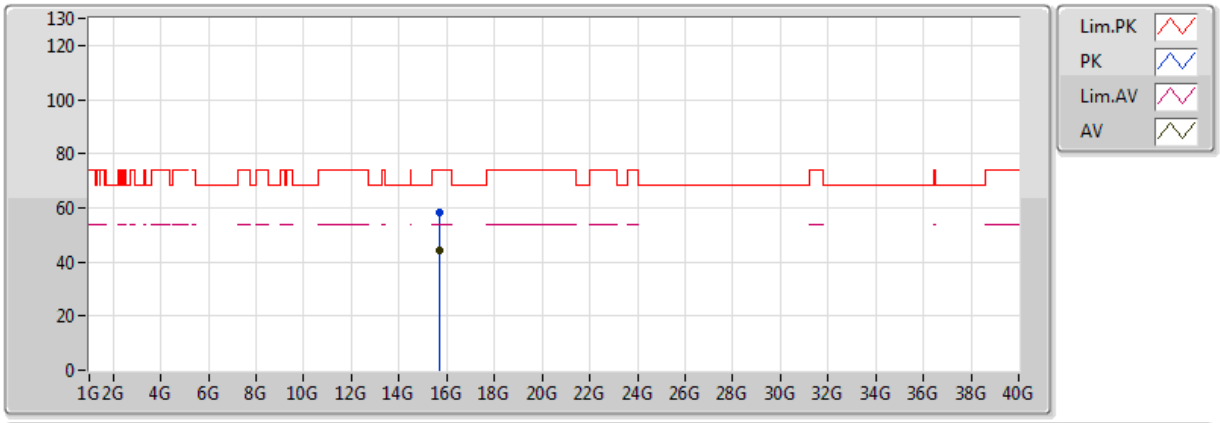


20170919
EUT Y_3TX
Setting 113
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1476G	53.98	54.00	-0.02	4.16	3	Horizontal	283	1.74
AV	5.237G	118.15	Inf	-Inf	4.34	3	Horizontal	283	1.74
AV	5.351G	53.46	54.00	-0.54	4.52	3	Horizontal	283	1.74
PK	5.1422G	72.06	74.00	-1.94	4.15	3	Horizontal	283	1.74
PK	5.2418G	127.07	Inf	-Inf	4.35	3	Horizontal	283	1.74
PK	5.3504G	71.73	74.00	-2.27	4.52	3	Horizontal	283	1.74

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

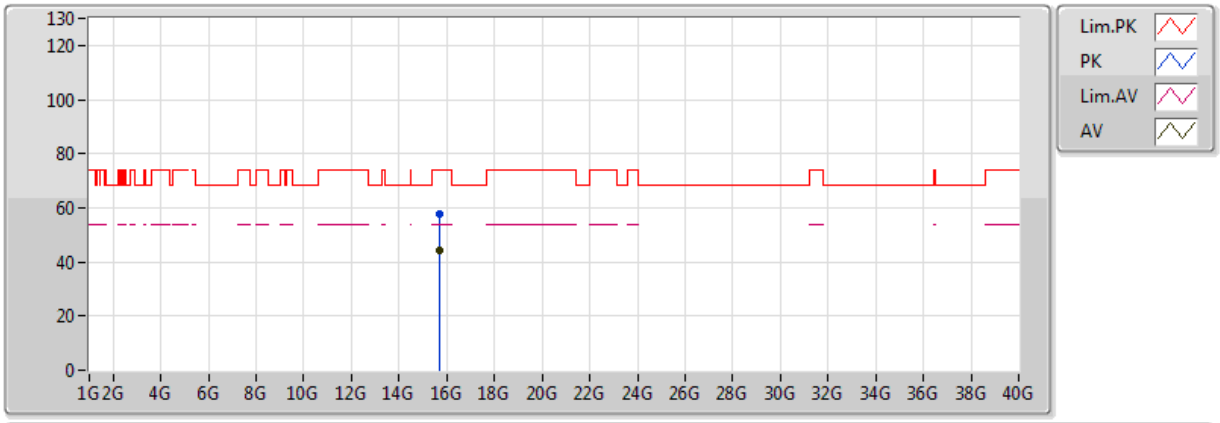


20170919
EUT Y_3TX
Setting 113
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.71779G	44.11	54.00	-9.89	13.33	3	Vertical	142	1.04
PK	15.7208G	58.23	74.00	-15.77	13.32	3	Vertical	142	1.04

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

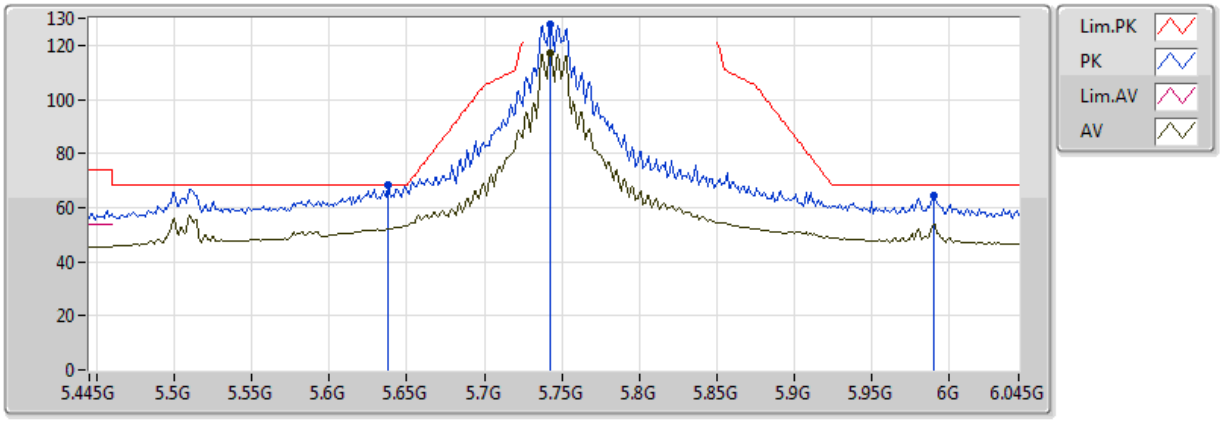


20170919
EUT Y_3TX
Setting 113
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.71946G	44.08	54.00	-9.92	13.33	3	Horizontal	90	2.29
PK	15.7193G	57.78	74.00	-16.22	13.33	3	Horizontal	90	2.29

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

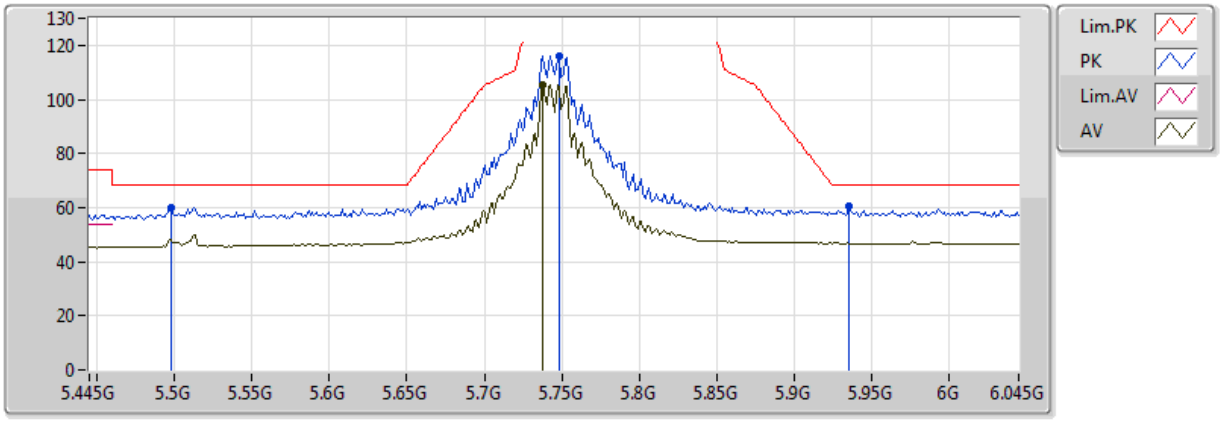


20170919
EUT Z_3TX
Setting 100
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7426G	116.97	Inf	-Inf	5.72	3	Vertical	71	1.73
PK	5.6382G	68.18	68.20	-0.02	5.42	3	Vertical	71	1.73
PK	5.7426G	127.77	Inf	-Inf	5.72	3	Vertical	71	1.73
PK	5.9898G	64.32	68.20	-3.88	6.58	3	Vertical	71	1.73

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

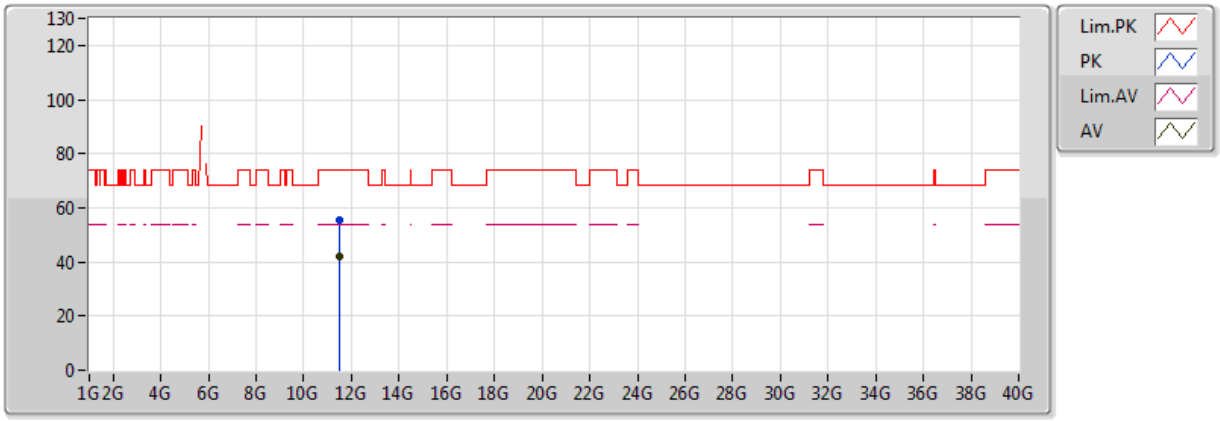


20170919
EUT Z_3TX
Setting 100
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7378G	105.57	Inf	-Inf	5.70	3	Horizontal	94	1.16
PK	5.4978G	60.18	68.20	-8.02	4.89	3	Horizontal	94	1.16
PK	5.7486G	116.23	Inf	-Inf	5.73	3	Horizontal	94	1.16
PK	5.9358G	60.26	68.20	-7.94	6.38	3	Horizontal	94	1.16

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

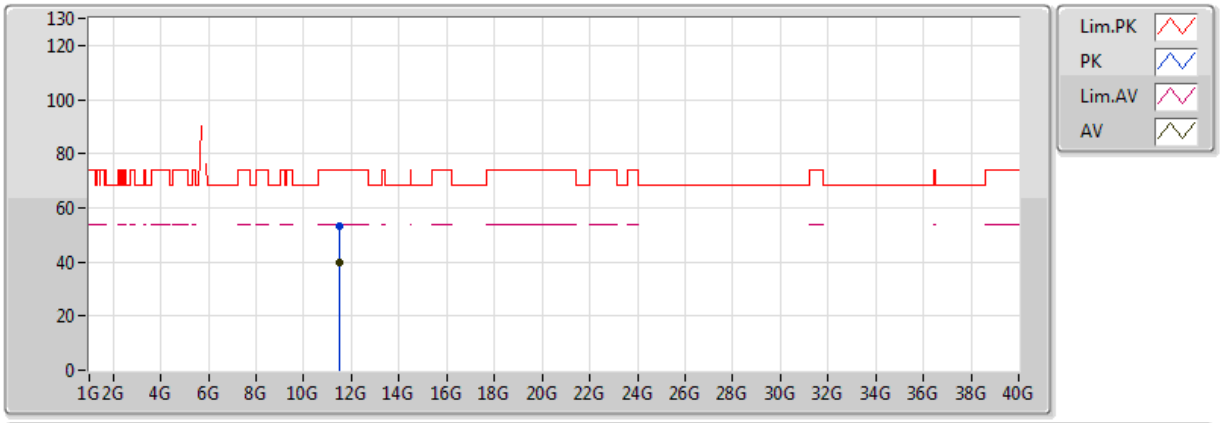


20170919
EUT Z_3TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.49002G	42.06	54.00	-11.94	12.31	3	Vertical	266	1.24
PK	11.49142G	55.73	74.00	-18.27	12.31	3	Vertical	266	1.24

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

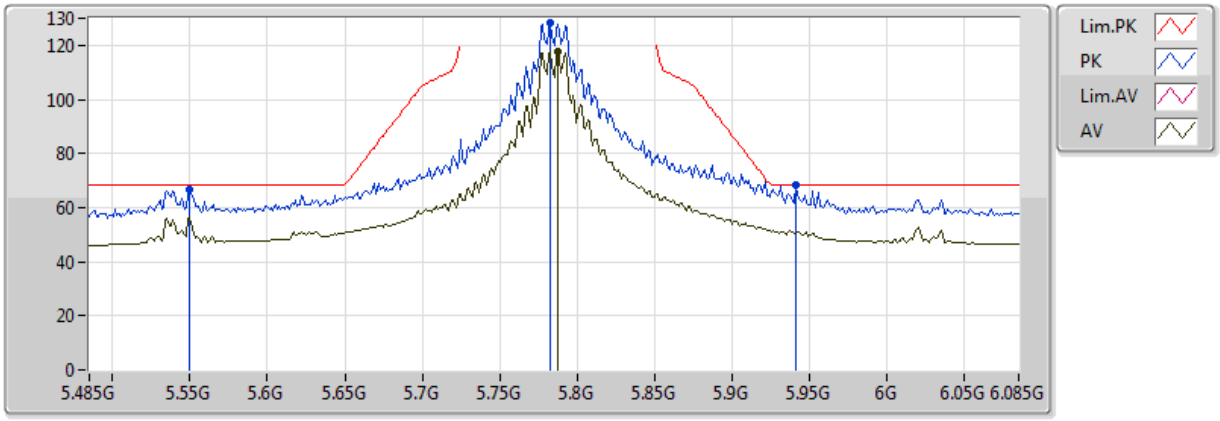


20170919
EUT Z_3TX
Setting 100
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.48932G	39.92	54.00	-14.08	12.31	3	Horizontal	241	2.10
PK	11.48884G	53.48	74.00	-20.52	12.31	3	Horizontal	241	2.10

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

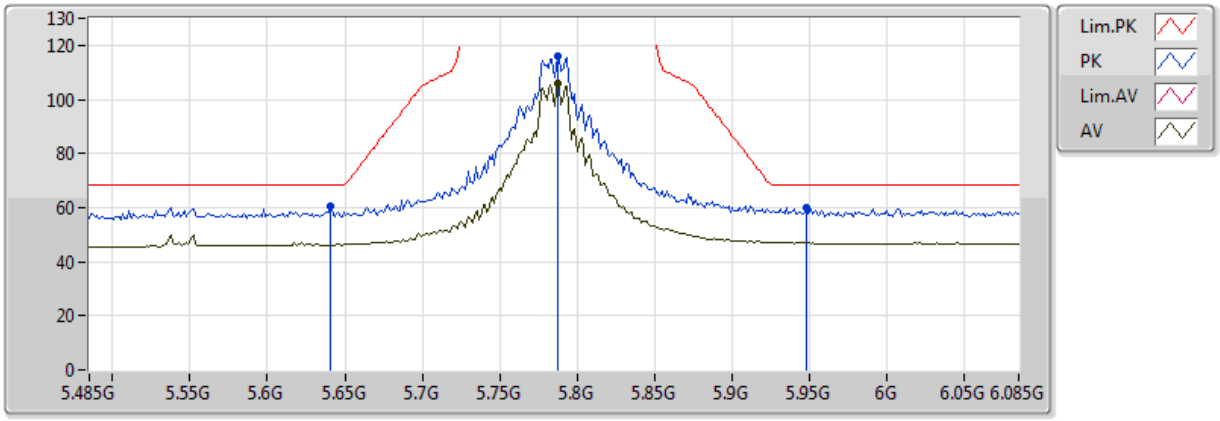


20170919
EUT Z_3TX
Setting 104
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7874G	117.88	Inf	-Inf	5.84	3	Vertical	72	1.92
PK	5.5498G	66.63	68.20	-1.57	5.10	3	Vertical	72	1.92
PK	5.7826G	128.27	Inf	-Inf	5.82	3	Vertical	72	1.92
PK	5.941G	68.18	68.20	-0.02	6.40	3	Vertical	72	1.92

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

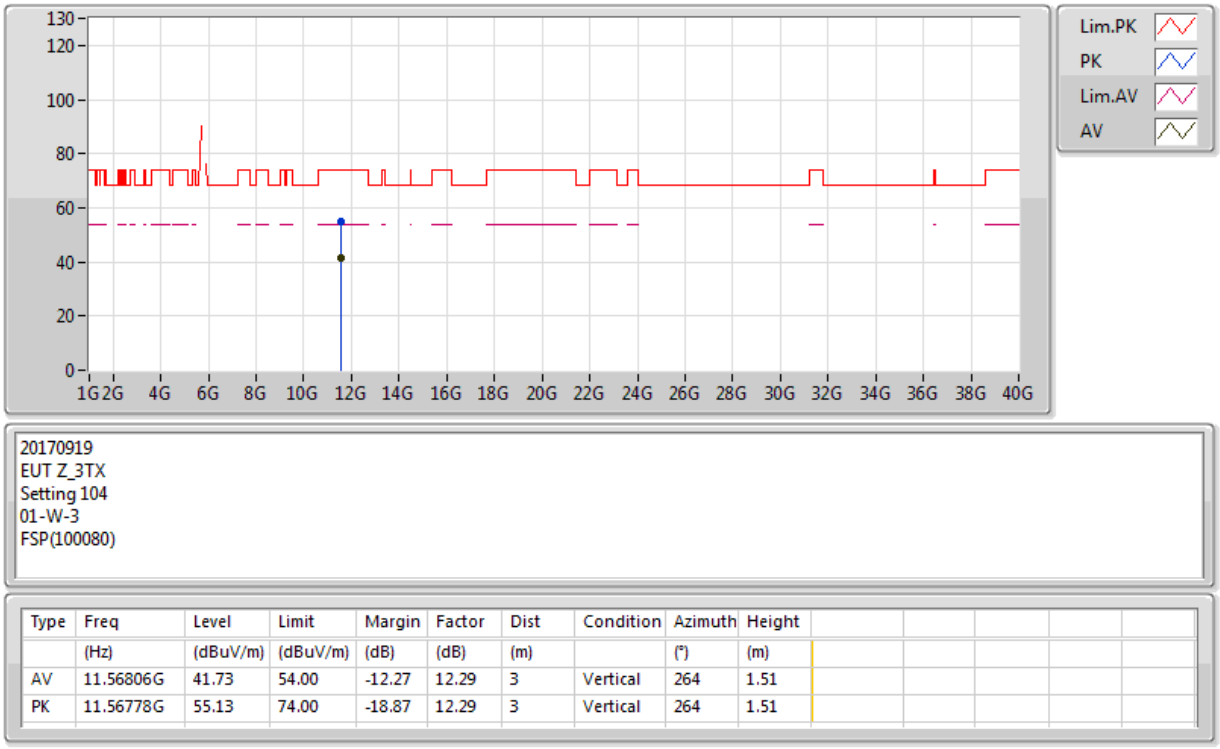


20170919
EUT Z_3TX
Setting 104
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7874G	105.90	Inf	-Inf	5.84	3	Horizontal	93	1.01
PK	5.641G	60.51	68.20	-7.69	5.43	3	Horizontal	93	1.01
PK	5.7874G	115.81	Inf	-Inf	5.84	3	Horizontal	93	1.01
PK	5.9482G	60.08	68.20	-8.12	6.42	3	Horizontal	93	1.01

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

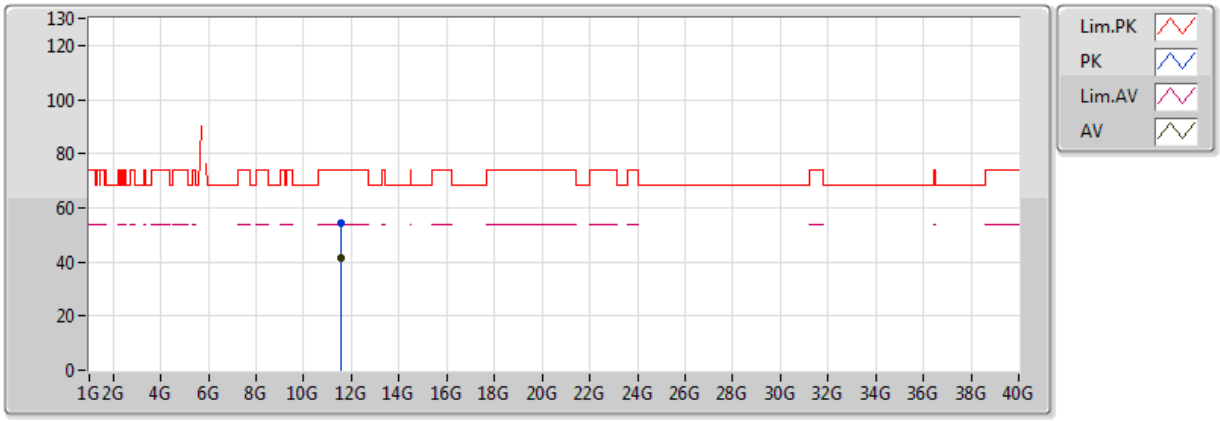


20170919
EUT Z_3TX
Setting 104
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56806G	41.73	54.00	-12.27	12.29	3	Vertical	264	1.51
PK	11.56778G	55.13	74.00	-18.87	12.29	3	Vertical	264	1.51

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

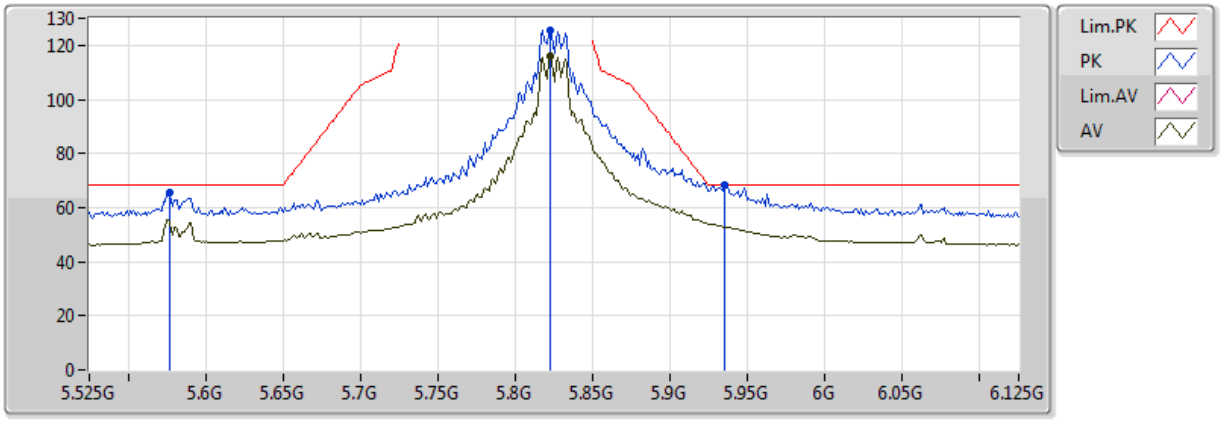


20170919
EUT Z_3TX
Setting 104
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56894G	41.44	54.00	-12.56	12.29	3	Horizontal	254	1.09
PK	11.57378G	54.49	74.00	-19.51	12.29	3	Horizontal	254	1.09

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

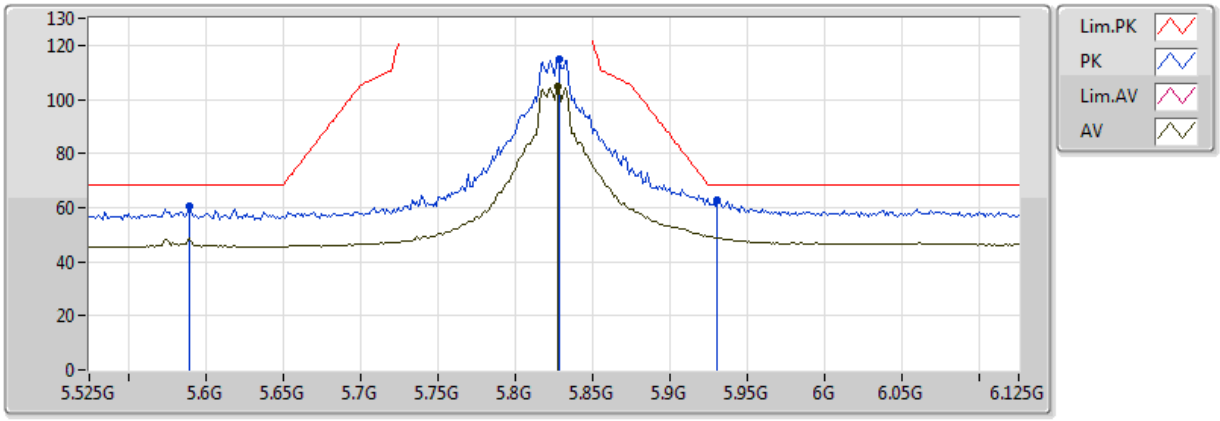


20170919
EUT Z_3TX
Setting 94
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.8226G	115.75	Inf	-Inf	5.95	3	Vertical	71	1.97
PK	5.5766G	65.46	68.20	-2.74	5.21	3	Vertical	71	1.97
PK	5.8226G	125.57	Inf	-Inf	5.95	3	Vertical	71	1.97
PK	5.9354G	68.12	68.20	-0.08	6.37	3	Vertical	71	1.97

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

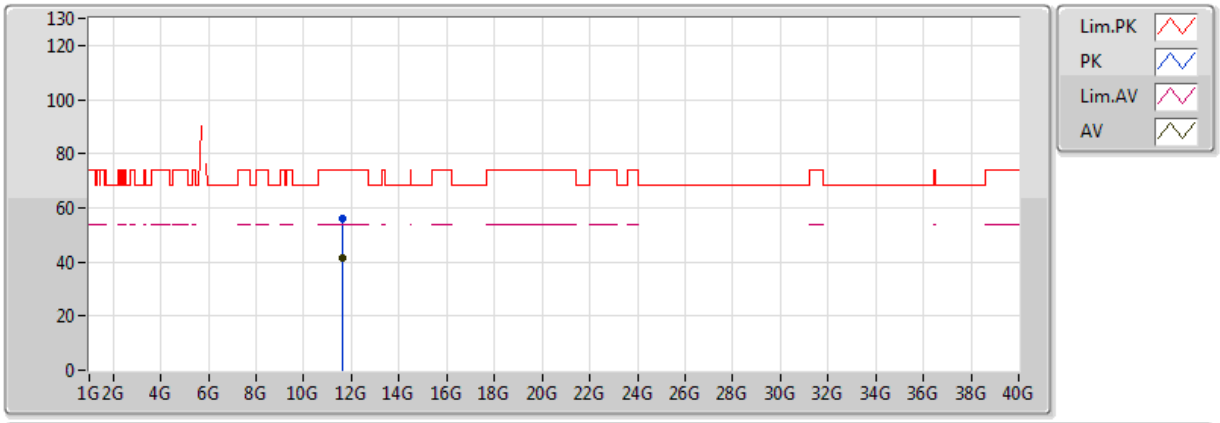


20170919
EUT Z_3TX
Setting 94
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.8274G	104.70	Inf	-Inf	5.97	3	Horizontal	81	1.16
PK	5.5898G	60.77	68.20	-7.43	5.27	3	Horizontal	81	1.16
PK	5.8286G	114.99	Inf	-Inf	5.98	3	Horizontal	81	1.16
PK	5.9306G	62.98	68.20	-5.22	6.36	3	Horizontal	81	1.16

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

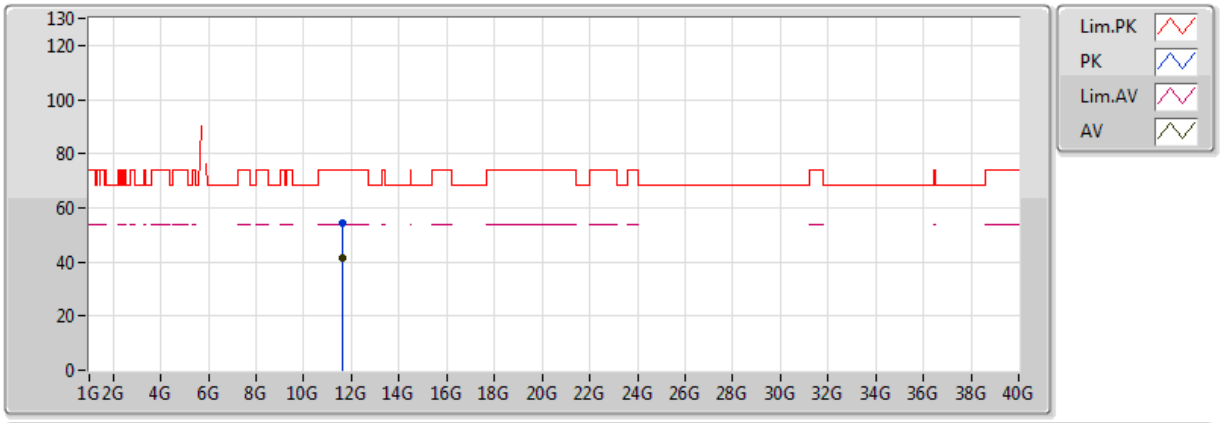


20170919
EUT Z_3TX
Setting 94
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64756G	41.62	54.00	-12.38	12.28	3	Vertical	77	1.50
PK	11.64878G	55.78	74.00	-18.22	12.28	3	Vertical	77	1.50

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

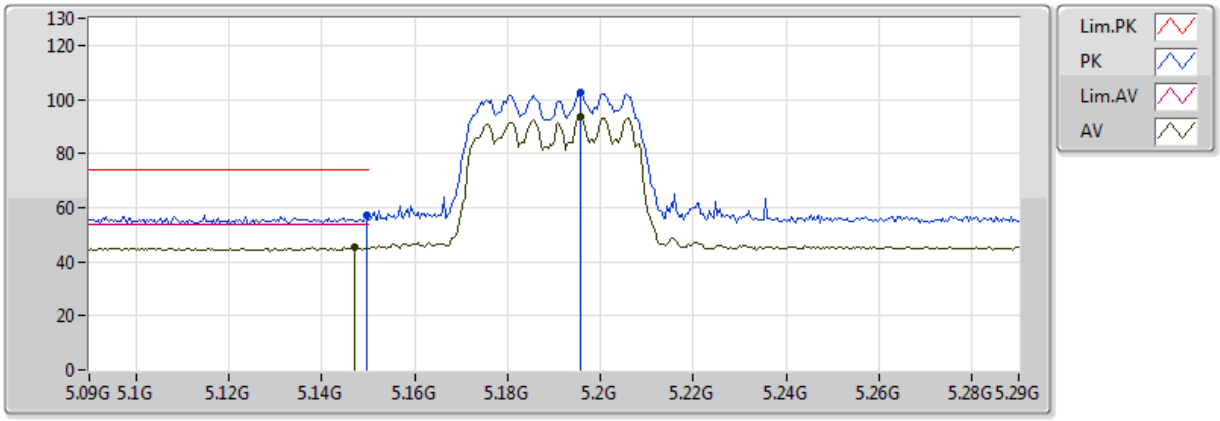


20170919
EUT Z_3TX
Setting 94
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.6468G	41.23	54.00	-12.77	12.28	3	Horizontal	253	1.18
PK	11.64682G	54.30	74.00	-19.70	12.28	3	Horizontal	253	1.18

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

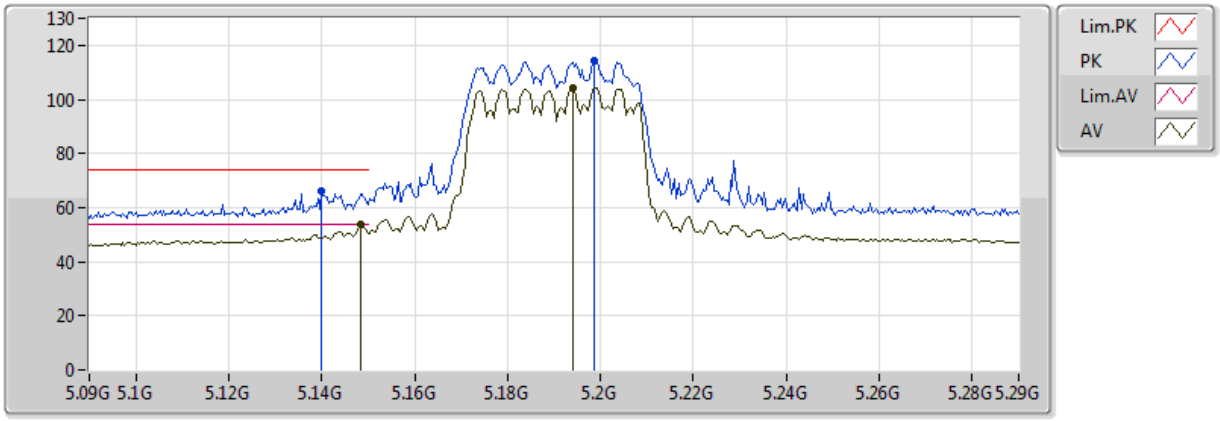


20170919
EUT Y_3TX
Setting 59
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1472G	45.40	54.00	-8.60	4.16	3	Vertical	325	1.50
AV	5.1956G	93.40	Inf	-Inf	4.27	3	Vertical	325	1.50
PK	5.1496G	57.17	74.00	-16.83	4.17	3	Vertical	325	1.50
PK	5.1956G	102.49	Inf	-Inf	4.27	3	Vertical	325	1.50

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

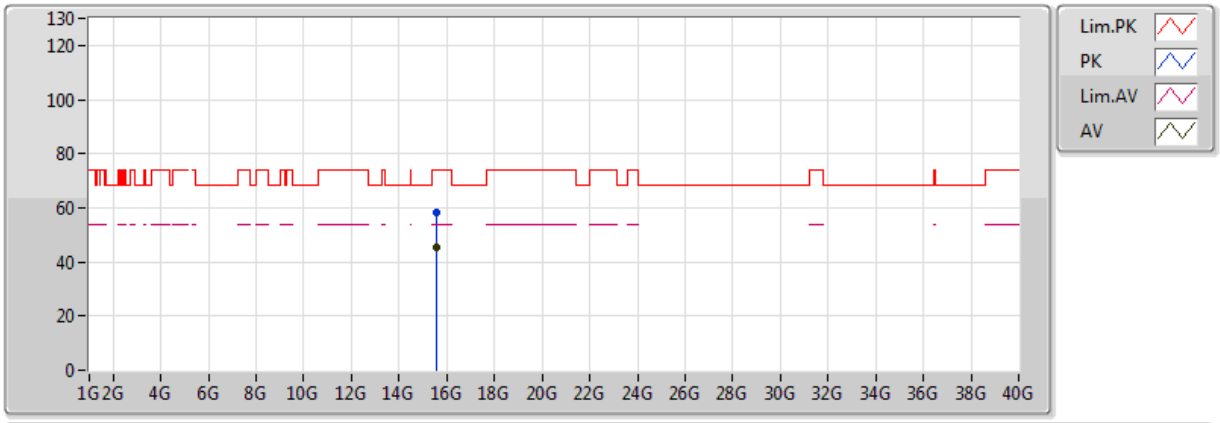


20170919
EUT Y_3TX
Setting 59
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1484G	53.64	54.00	-0.36	4.17	3	Horizontal	284	2.28
AV	5.194G	104.26	Inf	-Inf	4.27	3	Horizontal	284	2.28
PK	5.14G	66.30	74.00	-7.70	4.15	3	Horizontal	284	2.28
PK	5.1988G	114.52	Inf	-Inf	4.28	3	Horizontal	284	2.28

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

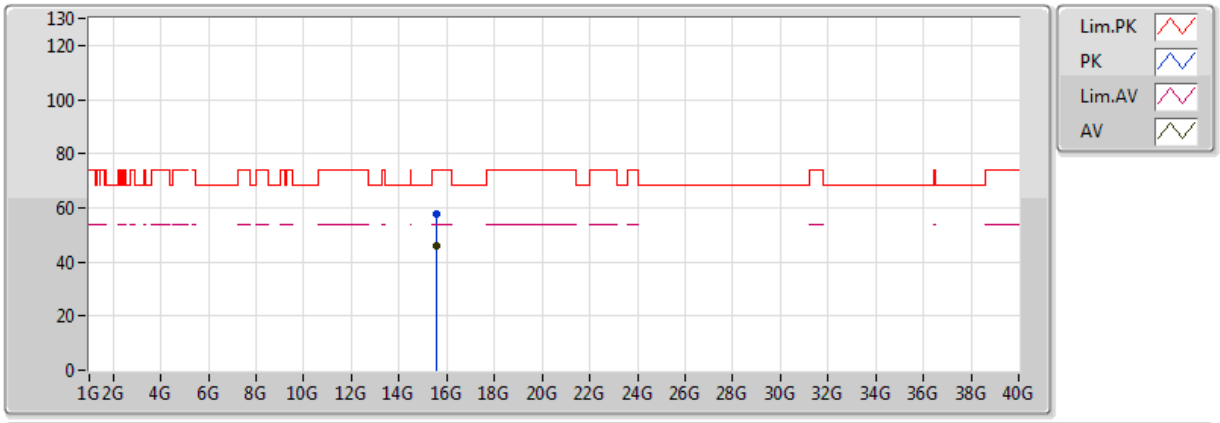


20170919
EUT Y_3TX
Setting 59
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.56819G	45.63	54.00	-8.37	13.50	3	Vertical	107	1.01
PK	15.56989G	58.41	74.00	-15.59	13.50	3	Vertical	107	1.01

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

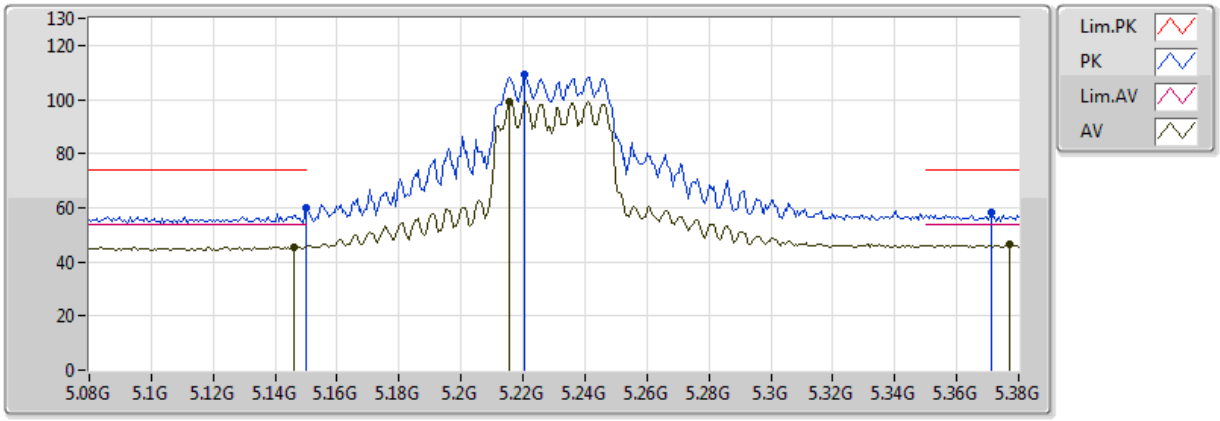


20170919
EUT Y_3TX
Setting 59
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.57111G	45.83	54.00	-8.17	13.50	3	Horizontal	75	2.02
PK	15.57242G	57.84	74.00	-16.16	13.50	3	Horizontal	75	2.02

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

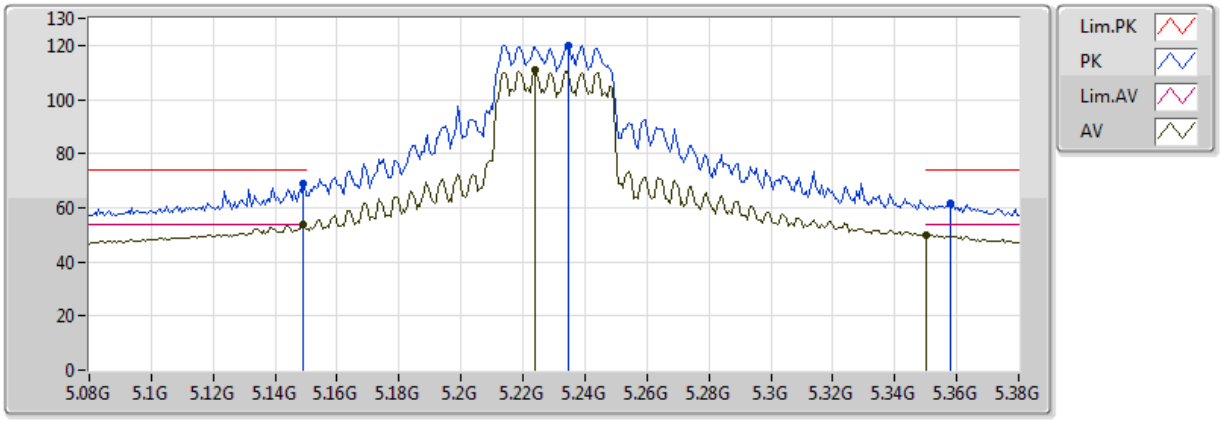


20170919
EUT Y_3TX
Setting 86
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.146G	45.59	54.00	-8.41	4.16	3	Vertical	323	1.41
AV	5.2156G	99.35	Inf	-Inf	4.31	3	Vertical	323	1.41
AV	5.377G	46.24	54.00	-7.76	4.56	3	Vertical	323	1.41
PK	5.149995G	59.95	74.00	-14.05	4.17	3	Vertical	323	1.41
PK	5.2204G	109.20	Inf	-Inf	4.31	3	Vertical	323	1.41
PK	5.371G	58.38	74.00	-15.62	4.55	3	Vertical	323	1.41

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

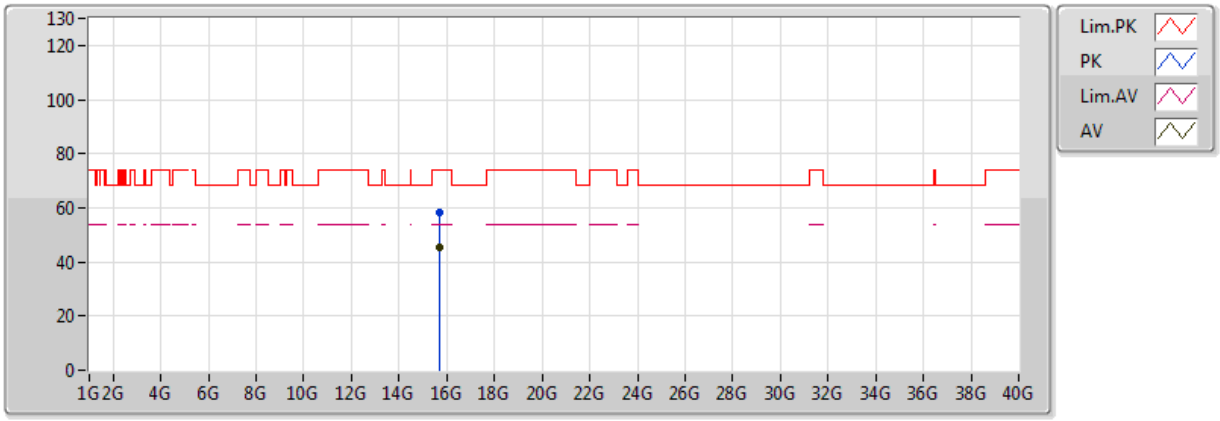


20170919
EUT Y_3TX
Setting 86
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149G	53.69	54.00	-0.31	4.17	3	Horizontal	282	2.27
AV	5.224G	111.07	Inf	-Inf	4.32	3	Horizontal	282	2.27
AV	5.350005G	49.93	54.00	-4.07	4.52	3	Horizontal	282	2.27
PK	5.149G	69.09	74.00	-4.91	4.17	3	Horizontal	282	2.27
PK	5.2348G	119.94	Inf	-Inf	4.34	3	Horizontal	282	2.27
PK	5.3578G	61.59	74.00	-12.41	4.53	3	Horizontal	282	2.27

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

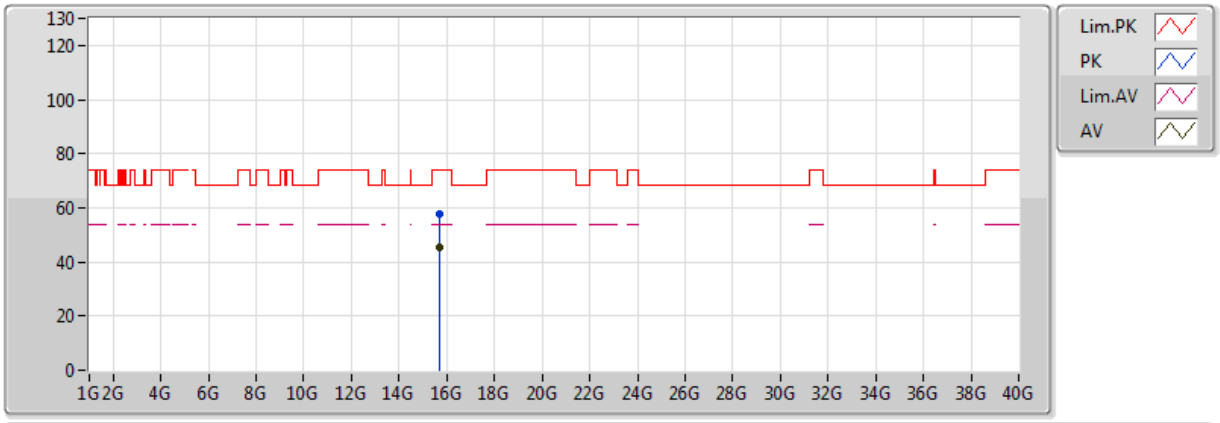


20170919
EUT Y_3TX
Setting 86
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.68826G	45.52	54.00	-8.48	13.36	3	Vertical	218	1.91
PK	15.68889G	58.19	74.00	-15.81	13.36	3	Vertical	218	1.91

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

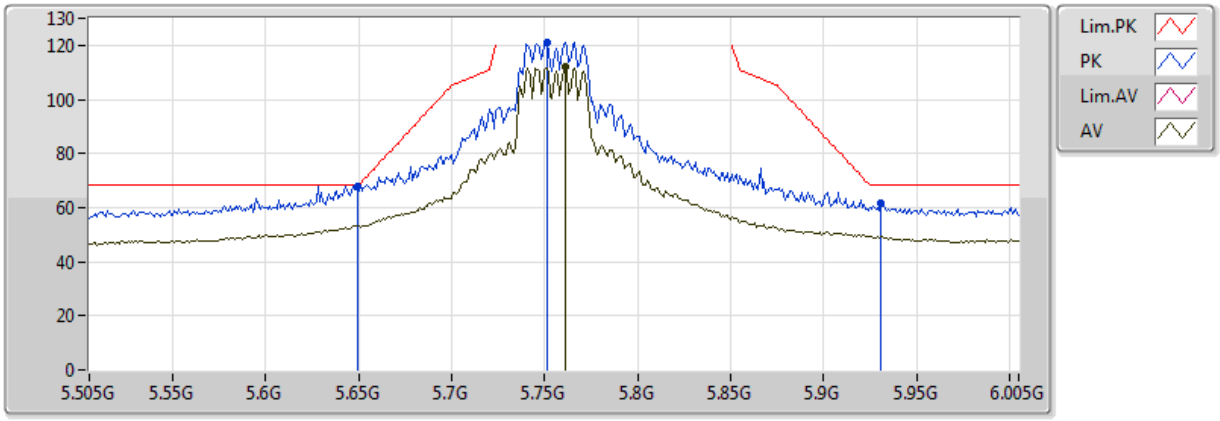


20170919
EUT Y_3TX
Setting 86
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.69099G	45.53	54.00	-8.47	13.36	3	Horizontal	173	2.00
PK	15.68806G	57.72	74.00	-16.28	13.36	3	Horizontal	173	2.00

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

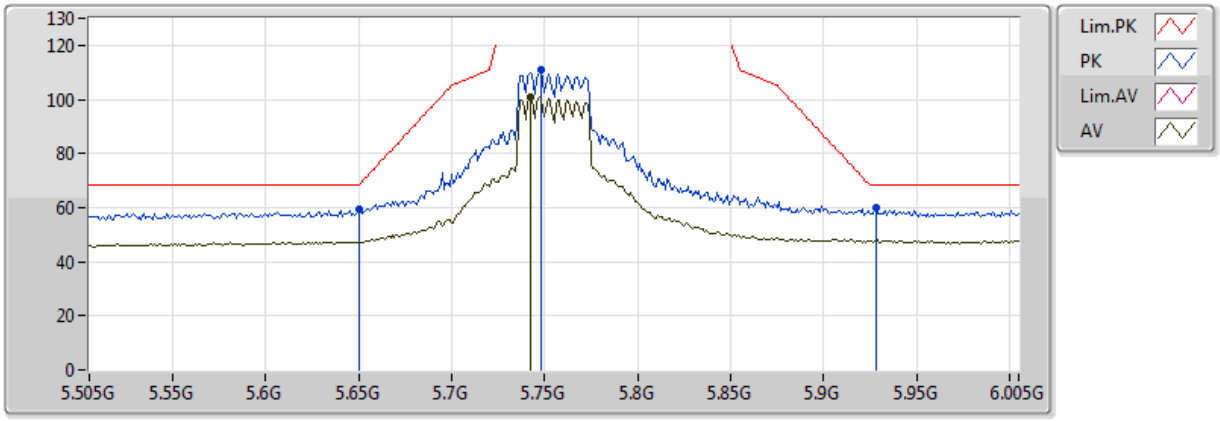


20170919
EUT Z_3TX
Setting 86
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.761G	112.05	Inf	-Inf	5.76	3	Vertical	60	2.08
PK	5.649G	68.05	68.20	-0.15	5.45	3	Vertical	60	2.08
PK	5.751G	121.21	Inf	-Inf	5.74	3	Vertical	60	2.08
PK	5.931G	61.37	68.20	-6.83	6.36	3	Vertical	60	2.08

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

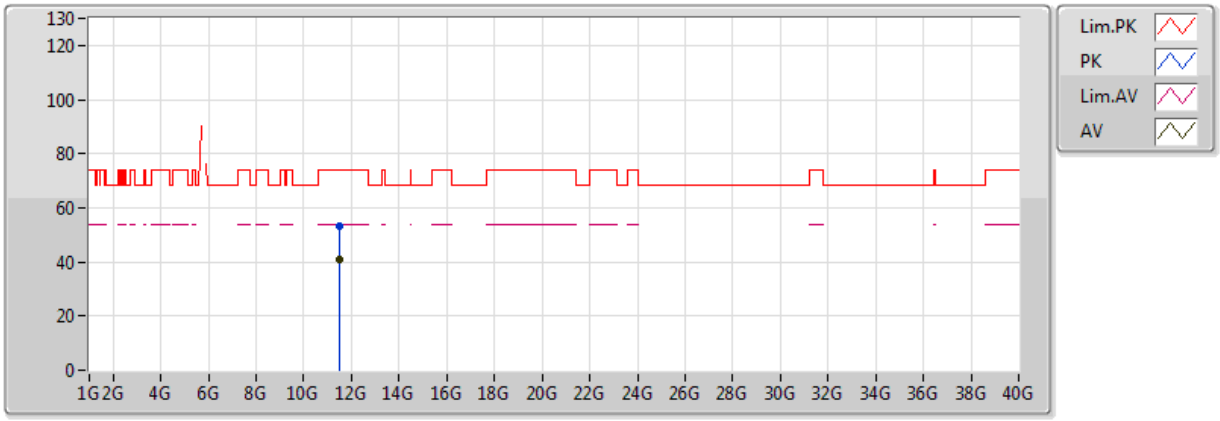


20170919
EUT Z_3TX
Setting 86
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.742G	100.70	Inf	-Inf	5.71	3	Horizontal	79	1.80
PK	5.65G	59.38	68.20	-8.82	5.45	3	Horizontal	79	1.80
PK	5.748G	110.95	Inf	-Inf	5.73	3	Horizontal	79	1.80
PK	5.928G	59.99	68.20	-8.21	6.35	3	Horizontal	79	1.80

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

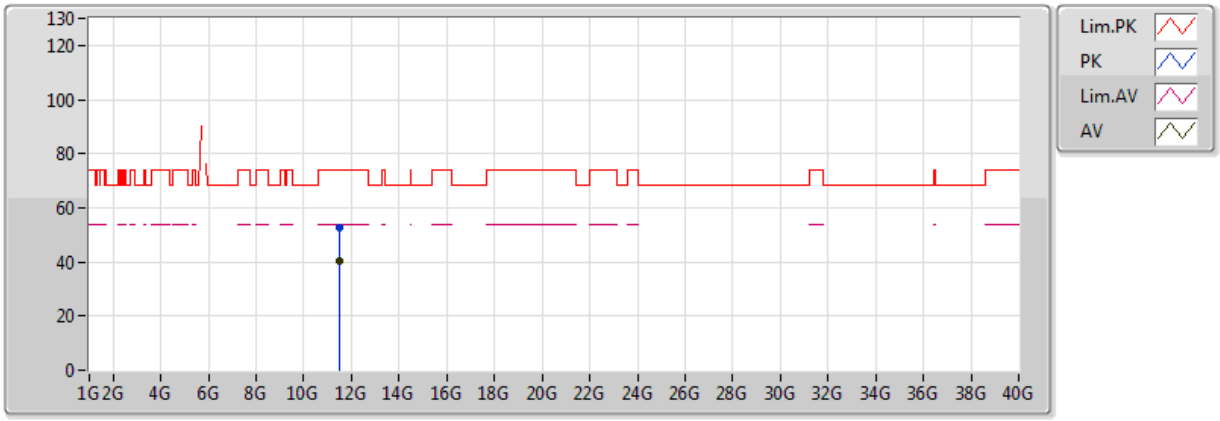


20170919
EUT Z_3TX
Setting 86
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.51008G	40.89	54.00	-13.11	12.30	3	Vertical	265	1.31
PK	11.50986G	53.18	74.00	-20.82	12.30	3	Vertical	265	1.31

802.11ac VHT40_Nss1,(MCS0)_3TX

5755MHz_TX

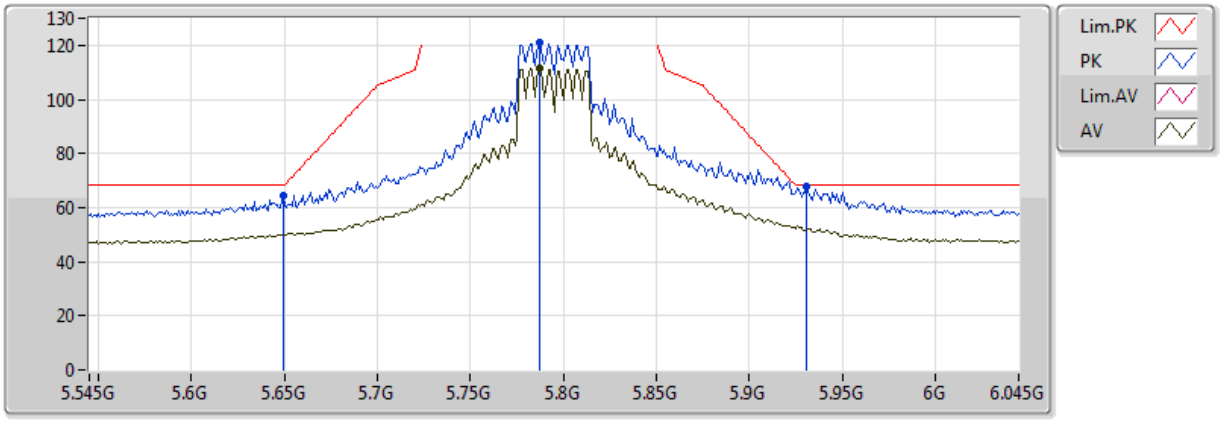


20170919
EUT Z_3TX
Setting 86
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.50968G	40.45	54.00	-13.55	12.30	3	Horizontal	279	2.76
PK	11.51098G	52.75	74.00	-21.25	12.30	3	Horizontal	279	2.76

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

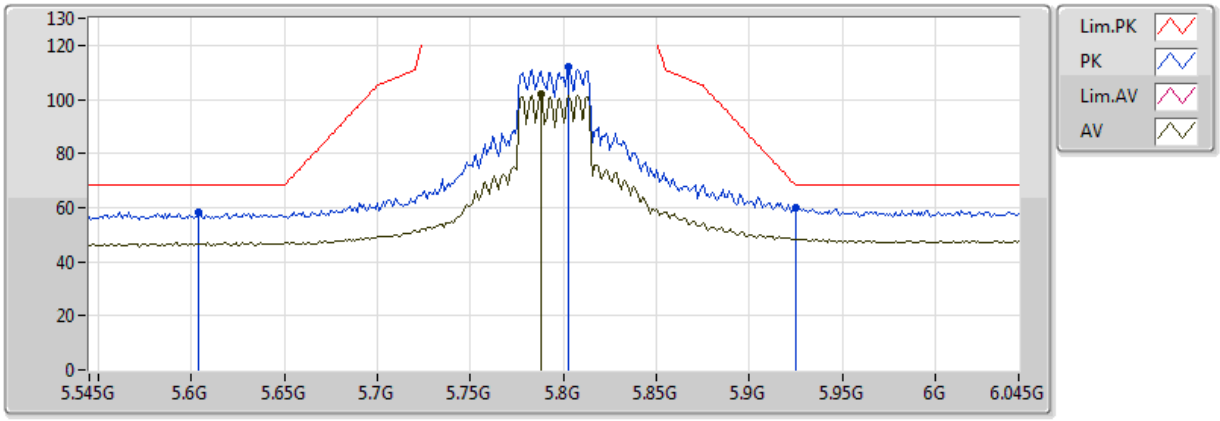


20170919
EUT Z_3TX
Setting 87
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.787G	111.67	Inf	-Inf	5.83	3	Vertical	71	1.91
PK	5.649G	64.42	68.20	-3.78	5.45	3	Vertical	71	1.91
PK	5.787G	120.90	Inf	-Inf	5.83	3	Vertical	71	1.91
PK	5.931G	67.95	68.20	-0.25	6.36	3	Vertical	71	1.91

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

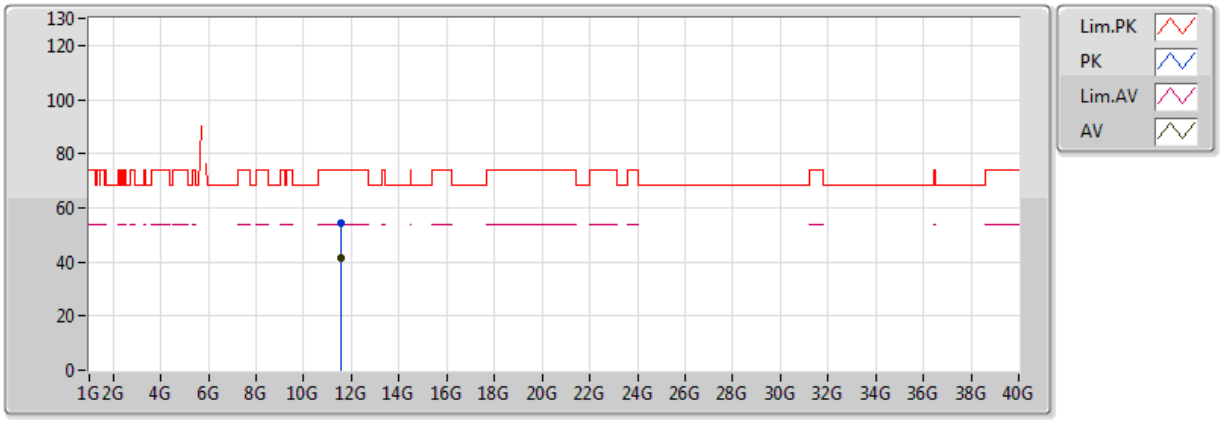


20170919
EUT Z_3TX
Setting 87
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.788G	101.74	Inf	-Inf	5.84	3	Horizontal	31	1.10
PK	5.604G	58.17	68.20	-10.03	5.32	3	Horizontal	31	1.10
PK	5.803G	111.88	Inf	-Inf	5.88	3	Horizontal	31	1.10
PK	5.925G	60.21	68.20	-7.99	6.33	3	Horizontal	31	1.10

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

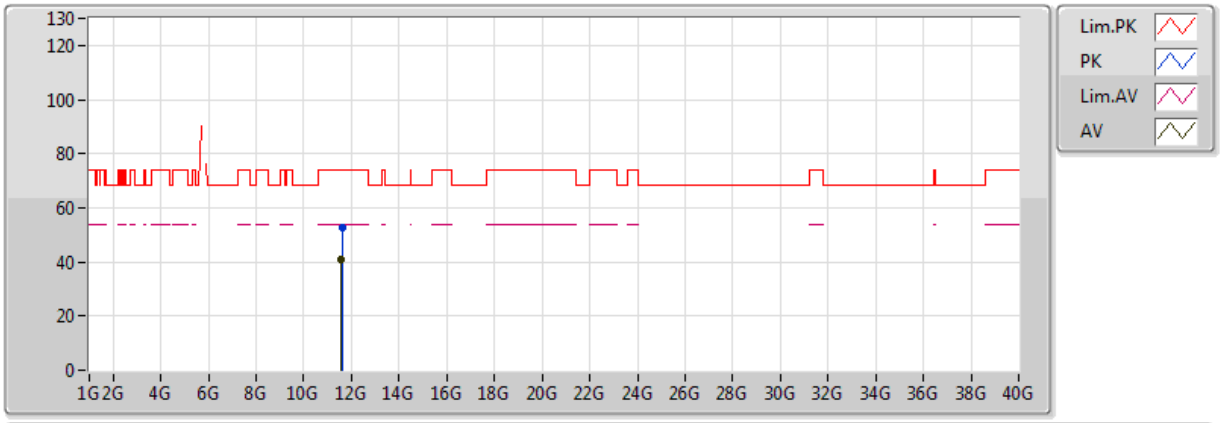


20170919
EUT Z_3TX
Setting 87
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.5891G	41.57	54.00	-12.43	12.29	3	Vertical	106	1.26
PK	11.58896G	54.38	74.00	-19.62	12.29	3	Vertical	106	1.26

802.11ac VHT40_Nss1,(MCS0)_3TX

5795MHz_TX

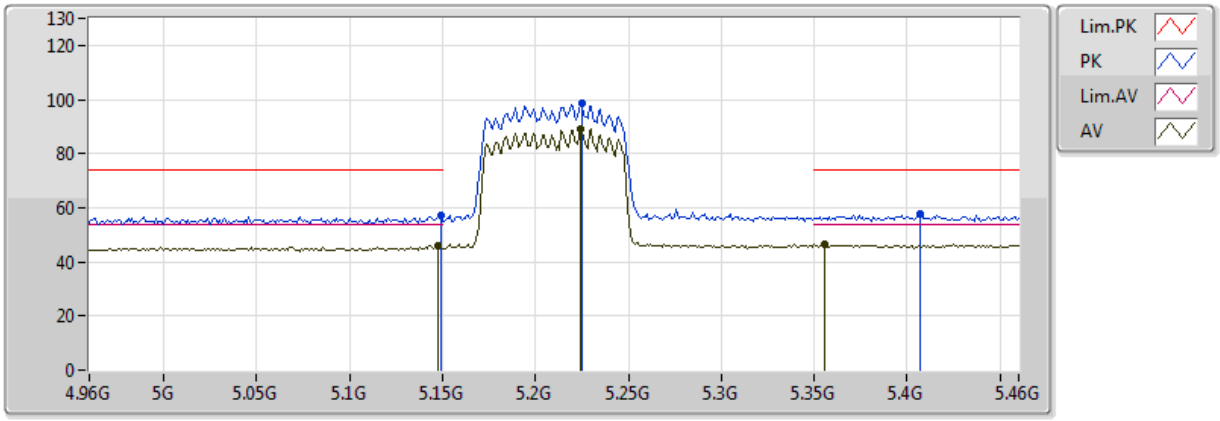


20170919
EUT Z_3TX
Setting 87
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.58788G	40.95	54.00	-13.05	12.29	3	Horizontal	134	2.29
PK	11.59328G	52.95	74.00	-21.05	12.29	3	Horizontal	134	2.29

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

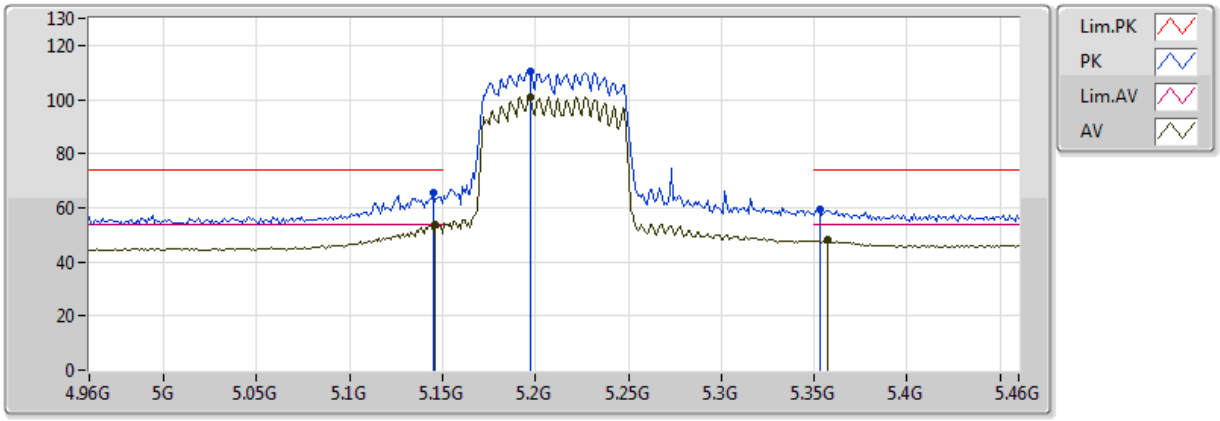


20170919
EUT Y_3TX
Setting 58
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.148G	46.13	54.00	-7.87	4.17	3	Vertical	82	1.47
AV	5.224G	89.18	Inf	-Inf	4.32	3	Vertical	82	1.47
AV	5.356G	46.38	54.00	-7.62	4.53	3	Vertical	82	1.47
PK	5.149G	57.10	74.00	-16.90	4.17	3	Vertical	82	1.47
PK	5.225G	98.39	Inf	-Inf	4.32	3	Vertical	82	1.47
PK	5.407G	57.85	74.00	-16.15	4.61	3	Vertical	82	1.47

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

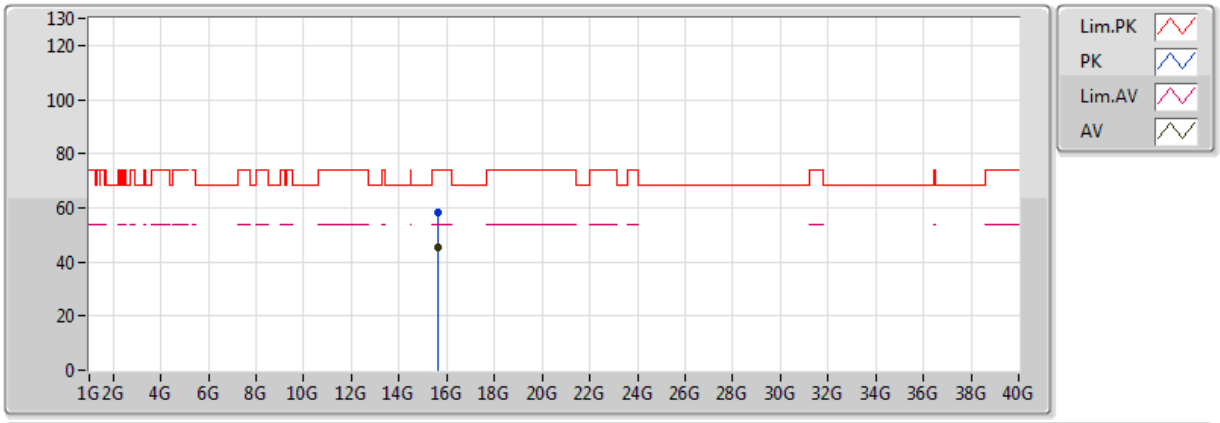


20170919
EUT Y_3TX
Setting 58
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.146G	53.68	54.00	-0.32	4.16	3	Horizontal	285	1.73
AV	5.197G	101.14	Inf	-Inf	4.27	3	Horizontal	285	1.73
AV	5.357G	48.02	54.00	-5.98	4.53	3	Horizontal	285	1.73
PK	5.145G	65.31	74.00	-8.69	4.16	3	Horizontal	285	1.73
PK	5.197G	110.52	Inf	-Inf	4.27	3	Horizontal	285	1.73
PK	5.353G	59.27	74.00	-14.73	4.52	3	Horizontal	285	1.73

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

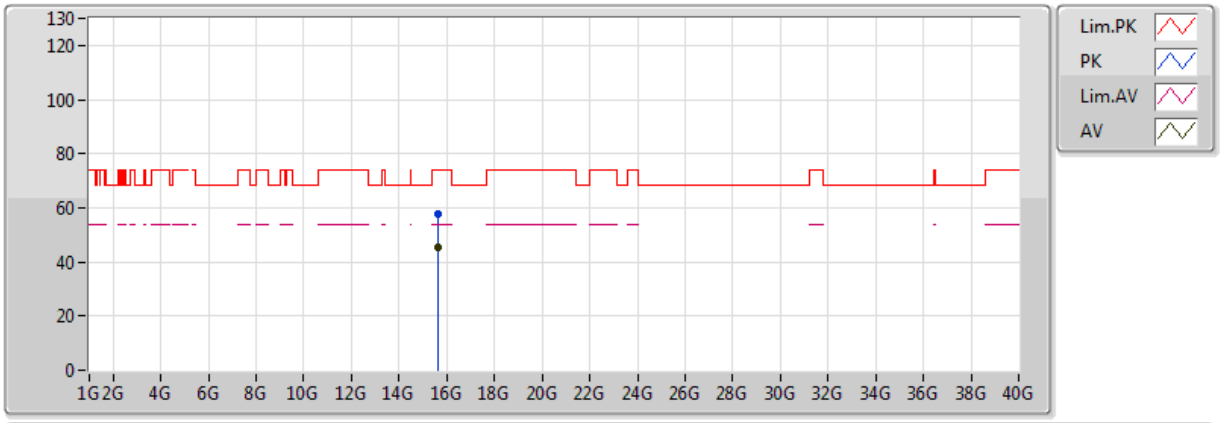


20170919
EUT Y_3TX
Setting 58
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.62893G	45.56	54.00	-8.44	13.43	3	Vertical	22	1.71
PK	15.62952G	58.02	74.00	-15.98	13.43	3	Vertical	22	1.71

802.11ac VHT80_Nss1,(MCS0)_3TX

5210MHz_TX

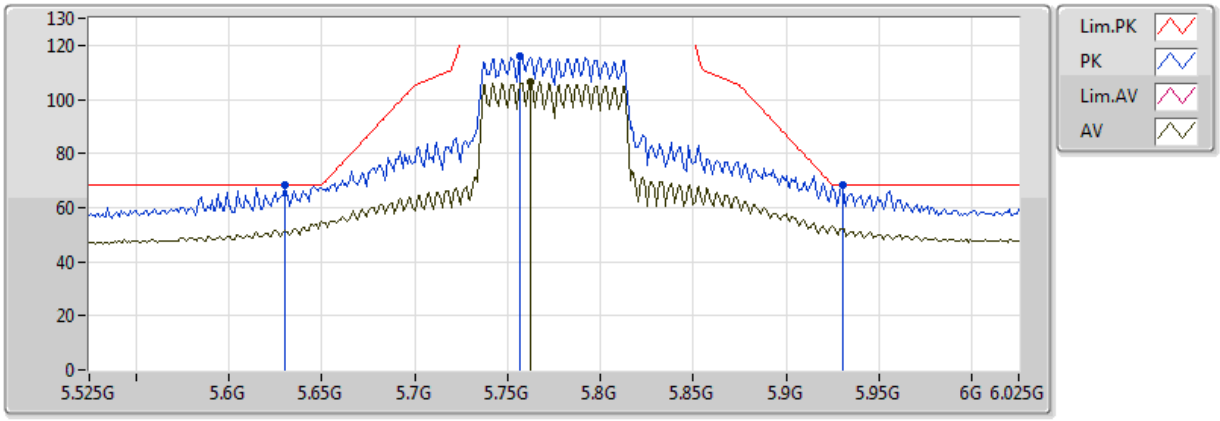


20170919
EUT Y_3TX
Setting 58
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.63076G	45.51	54.00	-8.49	13.43	3	Horizontal	328	1.65
PK	15.62853G	57.83	74.00	-16.17	13.43	3	Horizontal	328	1.65

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

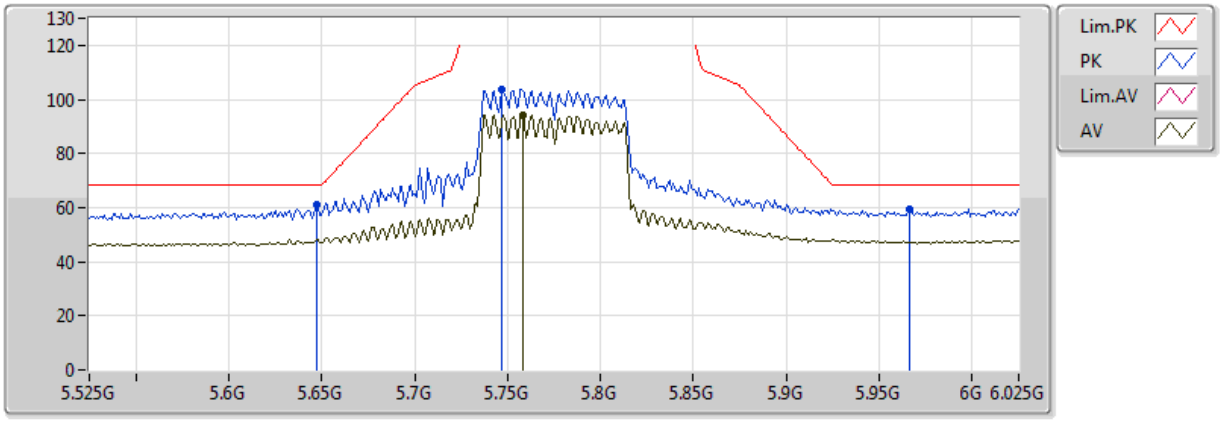


20170919
EUT Z_3TX
Setting 75
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.762G	106.70	Inf	-Inf	5.77	3	Vertical	72	1.91
PK	5.63G	68.15	68.20	-0.05	5.40	3	Vertical	72	1.91
PK	5.757G	116.08	Inf	-Inf	5.75	3	Vertical	72	1.91
PK	5.93G	68.18	68.20	-0.02	6.35	3	Vertical	72	1.91

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

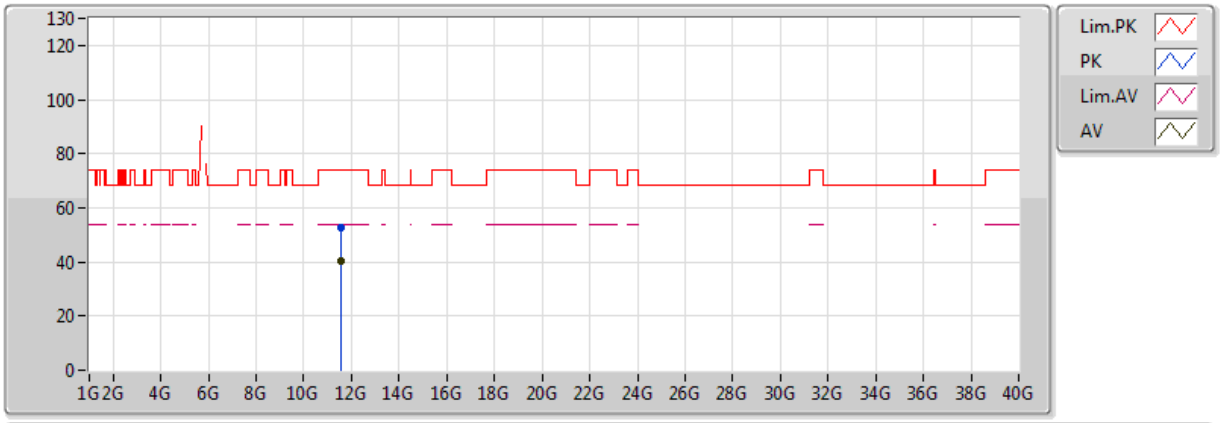


20170919
EUT Z_3TX
Setting 75
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.758G	94.40	Inf	-Inf	5.76	3	Horizontal	93	1.14
PK	5.647G	61.04	68.20	-7.16	5.45	3	Horizontal	93	1.14
PK	5.747G	103.78	Inf	-Inf	5.73	3	Horizontal	93	1.14
PK	5.966G	59.28	68.20	-8.92	6.49	3	Horizontal	93	1.14

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

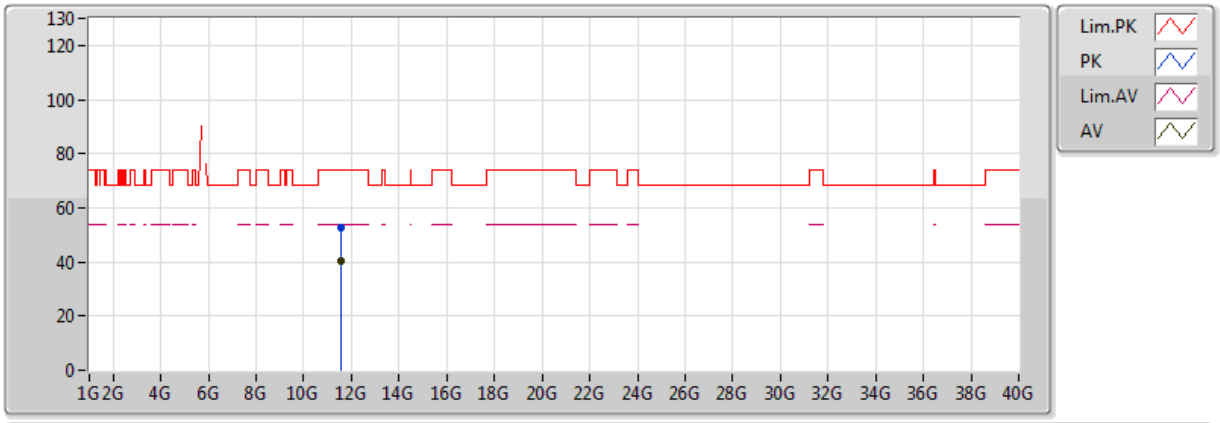


20170919
EUT Z_3TX
Setting 75
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.55294G	40.33	54.00	-13.67	12.29	3	Vertical	183	2.32
PK	11.5525G	52.85	74.00	-21.15	12.30	3	Vertical	183	2.32

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_TX

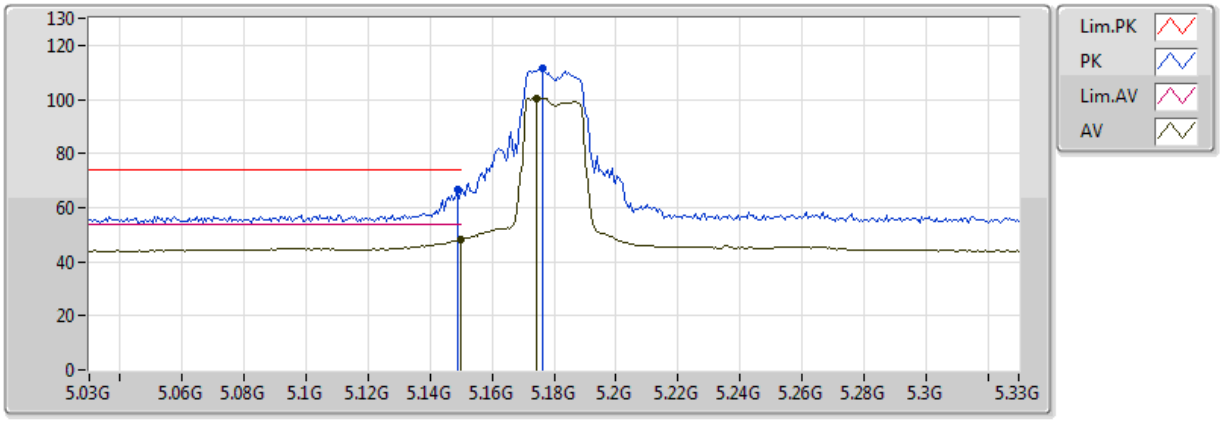


20170919
EUT Z_3TX
Setting 75
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.54656G	40.56	54.00	-13.44	12.30	3	Horizontal	257	1.94
PK	11.55092G	52.86	74.00	-21.14	12.30	3	Horizontal	257	1.94

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

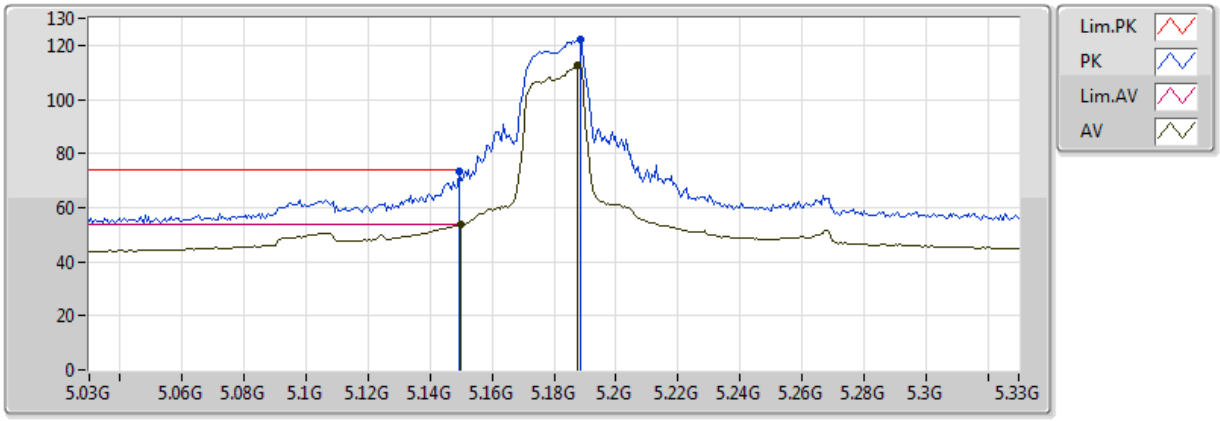


20170921
EUT Y_3TX
Setting 79
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	48.16	54.00	-5.84	4.17	3	Vertical	329	2.15
AV	5.1746G	100.58	Inf	-Inf	4.22	3	Vertical	329	2.15
PK	5.1488G	66.46	74.00	-7.54	4.17	3	Vertical	329	2.15
PK	5.1764G	111.26	Inf	-Inf	4.23	3	Vertical	329	2.15

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

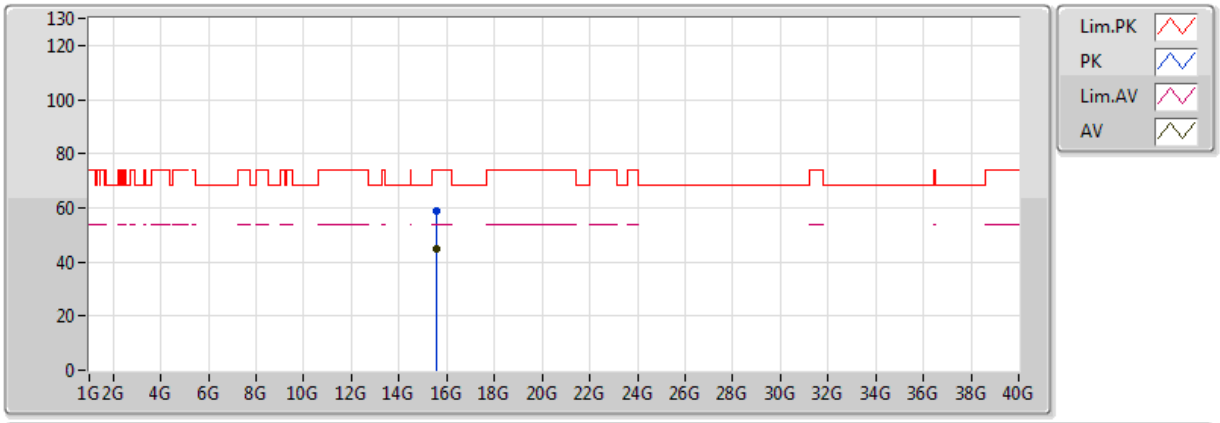


20170921
EUT Y_3TX
Setting 79
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	53.75	54.00	-0.25	4.17	3	Horizontal	72	1.65
AV	5.1878G	112.50	Inf	-Inf	4.25	3	Horizontal	72	1.65
PK	5.1494G	73.64	74.00	-0.36	4.17	3	Horizontal	72	1.65
PK	5.1884G	121.98	Inf	-Inf	4.25	3	Horizontal	72	1.65

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

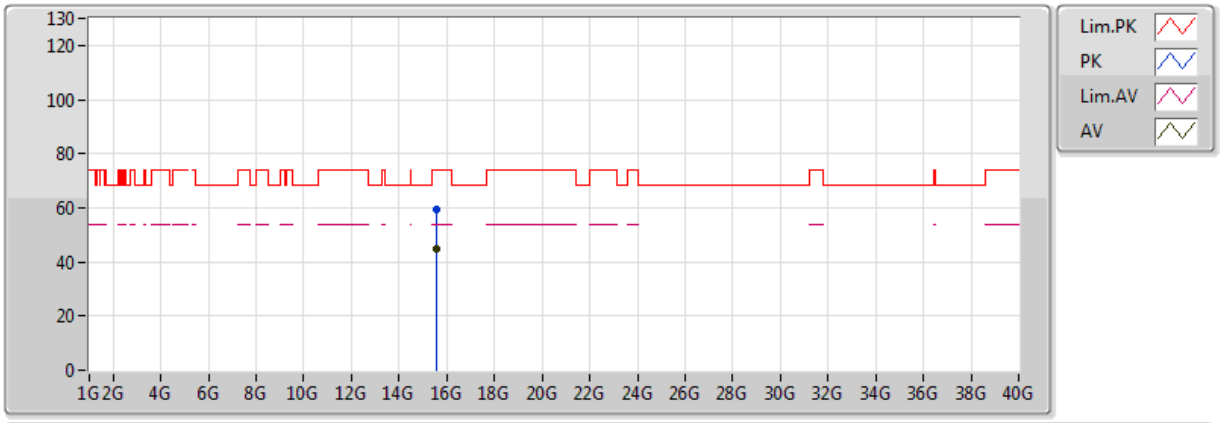


20170921
EUT Y_3TX
Setting 79
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.540564G	45.04	54.00	-8.96	13.53	3	Vertical	278	2.84
PK	15.539166G	59.02	74.00	-14.98	13.53	3	Vertical	278	2.84

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5180MHz_TX

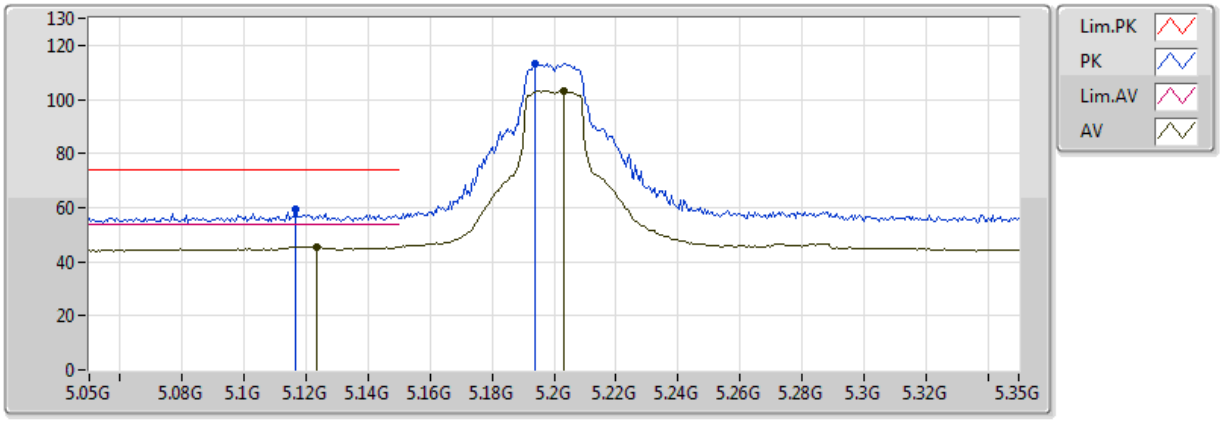


20170921
EUT Y_3TX
Setting 79
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.539256G	45.08	54.00	-8.92	13.53	3	Horizontal	344	1.70
PK	15.539028G	59.17	74.00	-14.83	13.53	3	Horizontal	344	1.70

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

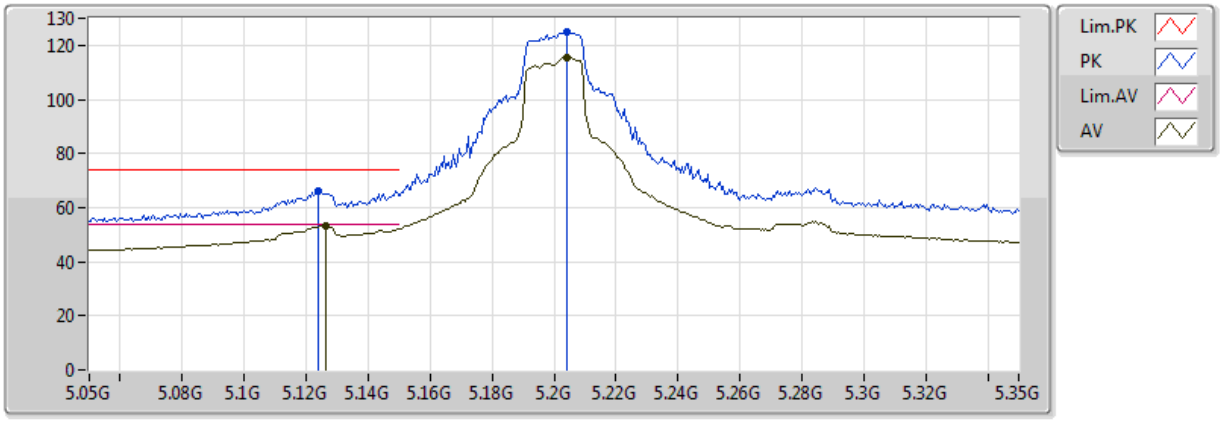


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1232G	45.40	54.00	-8.60	4.11	3	Vertical	75	1.47
AV	5.203G	103.23	Inf	-Inf	4.29	3	Vertical	75	1.47
PK	5.1166G	59.29	74.00	-14.71	4.10	3	Vertical	75	1.47
PK	5.194G	113.31	Inf	-Inf	4.27	3	Vertical	75	1.47

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

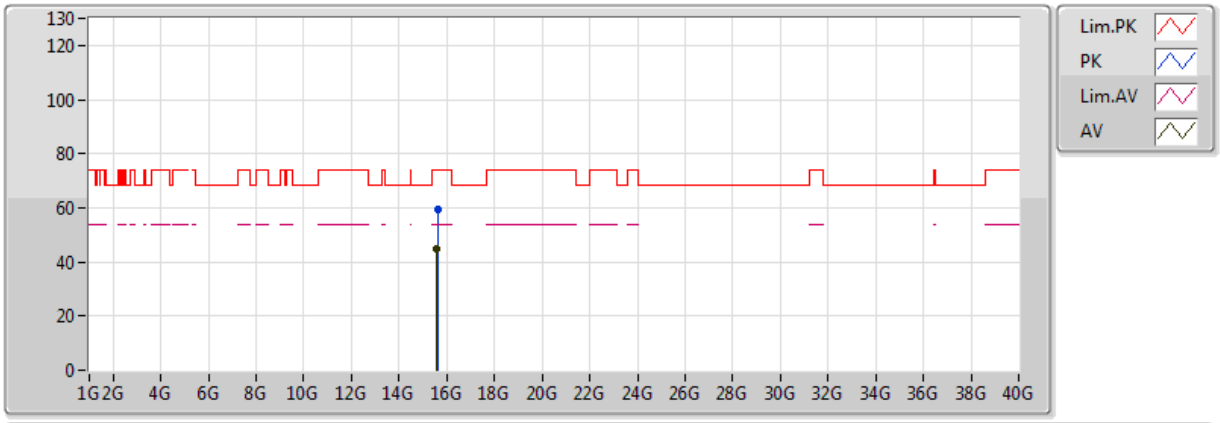


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1262G	53.51	54.00	-0.49	4.12	3	Horizontal	284	1.60
AV	5.2042G	115.41	Inf	-Inf	4.29	3	Horizontal	284	1.60
PK	5.1238G	66.01	74.00	-7.99	4.11	3	Horizontal	284	1.60
PK	5.2042G	124.98	Inf	-Inf	4.29	3	Horizontal	284	1.60

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

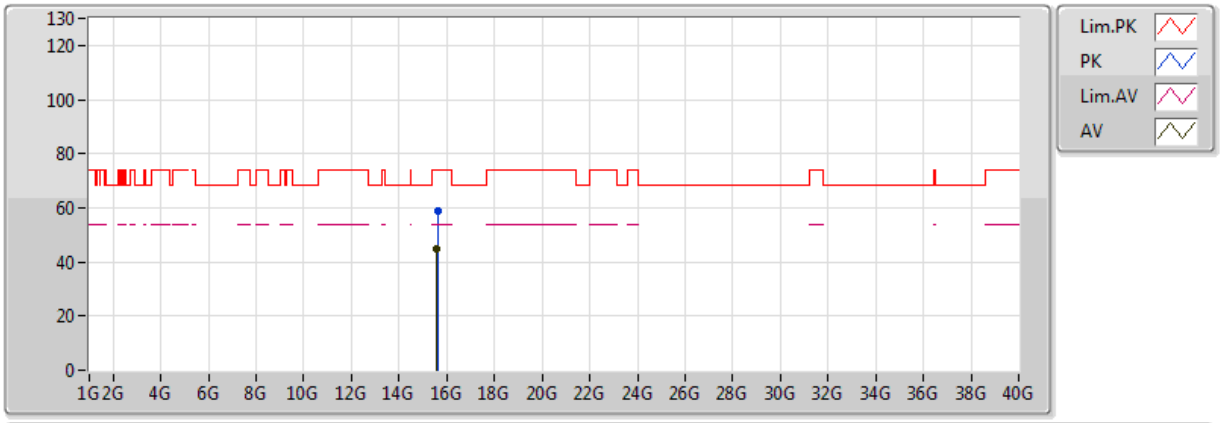


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.59922G	44.82	54.00	-9.18	13.46	3	Vertical	346	1.62
PK	15.601452G	59.13	74.00	-14.87	13.46	3	Vertical	346	1.62

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5200MHz_TX

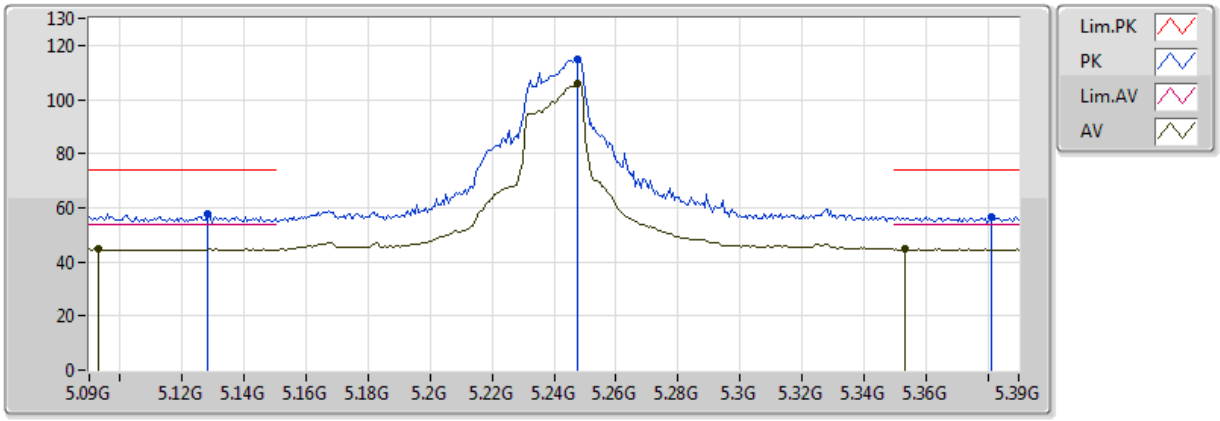


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.599028G	44.77	54.00	-9.23	13.47	3	Horizontal	17	1.50
PK	15.601494G	58.88	74.00	-15.12	13.46	3	Horizontal	17	1.50

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

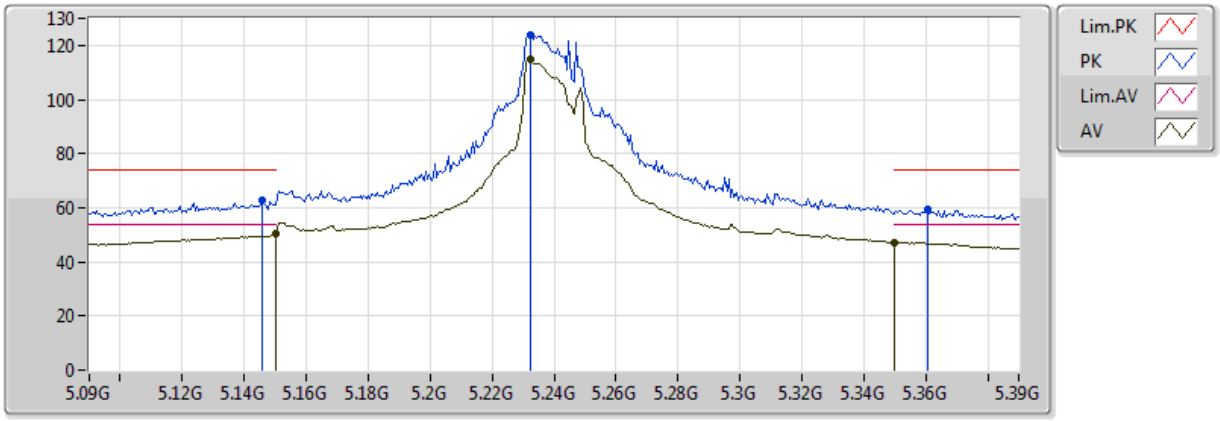


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.093G	44.60	54.00	-9.40	4.04	3	Vertical	76	1.44
AV	5.2478G	106.11	Inf	-Inf	4.36	3	Vertical	76	1.44
AV	5.3534G	44.69	54.00	-9.31	4.52	3	Vertical	76	1.44
PK	5.1284G	57.58	74.00	-16.42	4.12	3	Vertical	76	1.44
PK	5.2478G	115.13	Inf	-Inf	4.36	3	Vertical	76	1.44
PK	5.381G	56.75	74.00	-17.25	4.56	3	Vertical	76	1.44

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

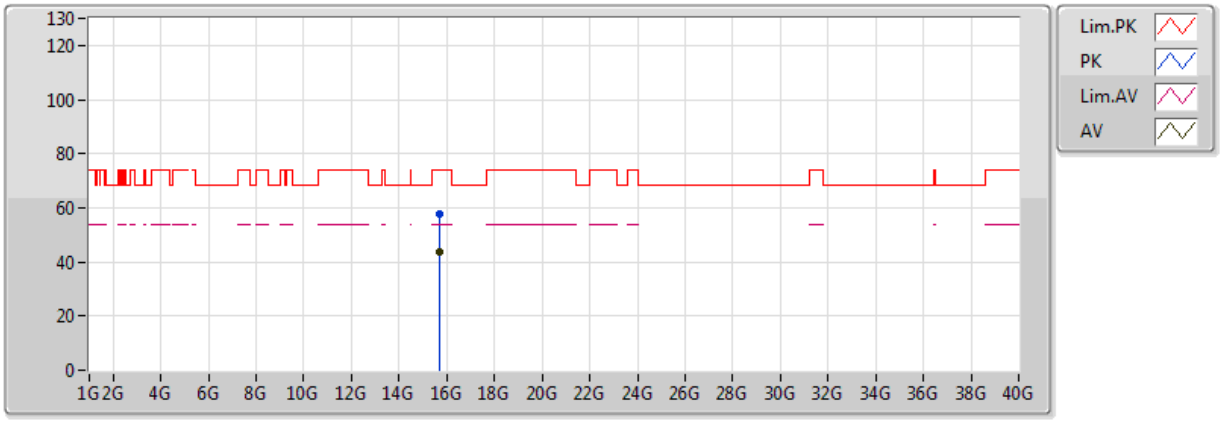


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	50.28	54.00	-3.72	4.17	3	Horizontal	81	1.49
AV	5.2322G	114.88	Inf	-Inf	4.33	3	Horizontal	81	1.49
AV	5.350005G	47.21	54.00	-6.79	4.52	3	Horizontal	81	1.49
PK	5.1458G	62.59	74.00	-11.41	4.16	3	Horizontal	81	1.49
PK	5.2322G	124.05	Inf	-Inf	4.33	3	Horizontal	81	1.49
PK	5.3606G	59.45	74.00	-14.55	4.53	3	Horizontal	81	1.49

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

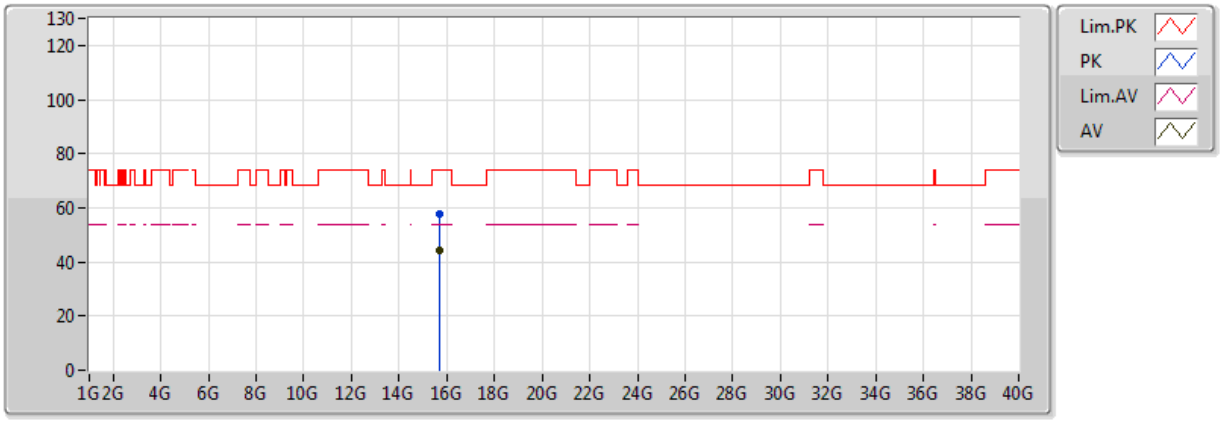


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.719316G	43.86	54.00	-10.14	13.33	3	Vertical	93	1.50
PK	15.721482G	57.81	74.00	-16.19	13.32	3	Vertical	93	1.50

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5240MHz_TX

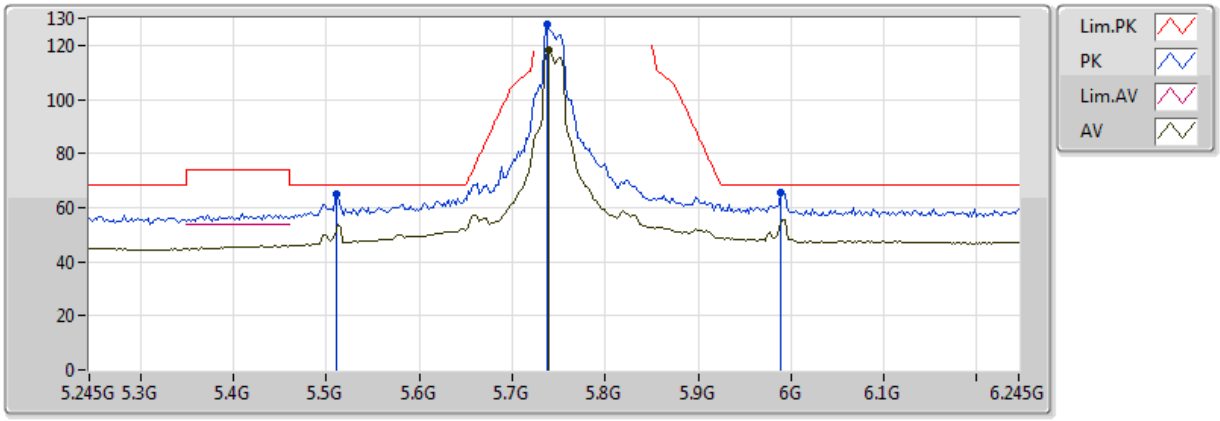


20170921
EUT Y_3TX
Setting 120 (Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.721158G	44.05	54.00	-9.95	13.32	3	Horizontal	24	1.50
PK	15.719154G	57.61	74.00	-16.39	13.33	3	Horizontal	24	1.50

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

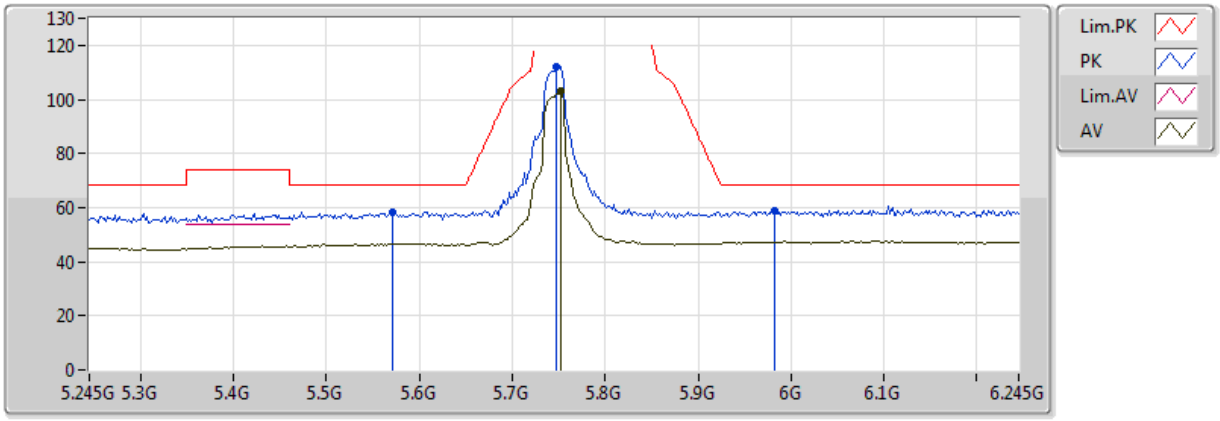


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.739G	118.00	Inf	-Inf	5.71	3	Vertical	52	2.24
PK	5.511G	65.24	68.20	-2.96	4.95	3	Vertical	52	2.24
PK	5.737G	127.69	Inf	-Inf	5.70	3	Vertical	52	2.24
PK	5.989G	65.43	68.20	-2.77	6.58	3	Vertical	52	2.24

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

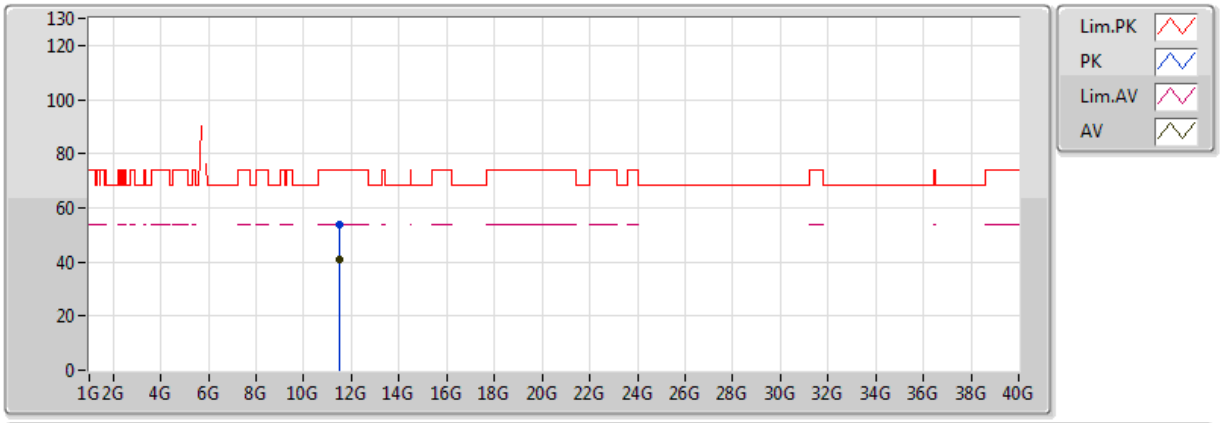


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.753G	102.90	Inf	-Inf	5.74	3	Horizontal	82	2.64
PK	5.571G	58.30	68.20	-9.90	5.19	3	Horizontal	82	2.64
PK	5.747G	112.17	Inf	-Inf	5.73	3	Horizontal	82	2.64
PK	5.983G	58.80	68.20	-9.40	6.56	3	Horizontal	82	2.64

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

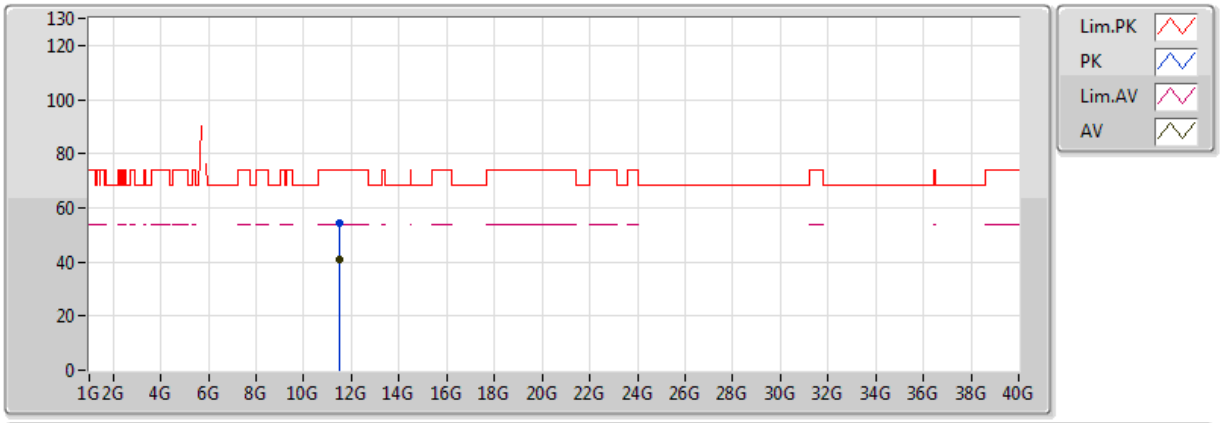


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.49056G	41.09	54.00	-12.91	12.31	3	Vertical	273	1.50
PK	11.48586G	53.84	74.00	-20.16	12.31	3	Vertical	273	1.50

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5745MHz_TX

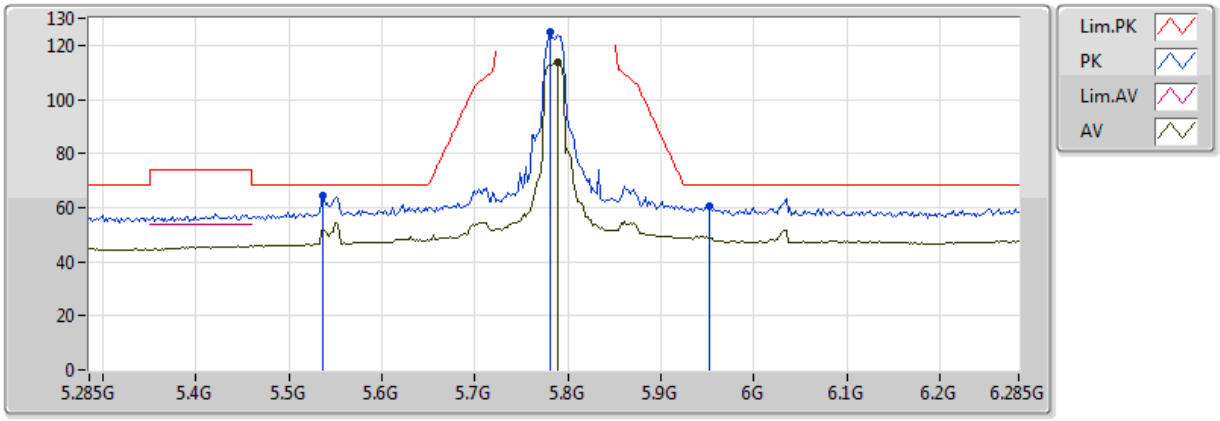


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.48964G	41.15	54.00	-12.85	12.31	3	Horizontal	243	2.96
PK	11.48956G	54.19	74.00	-19.81	12.31	3	Horizontal	243	2.96

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

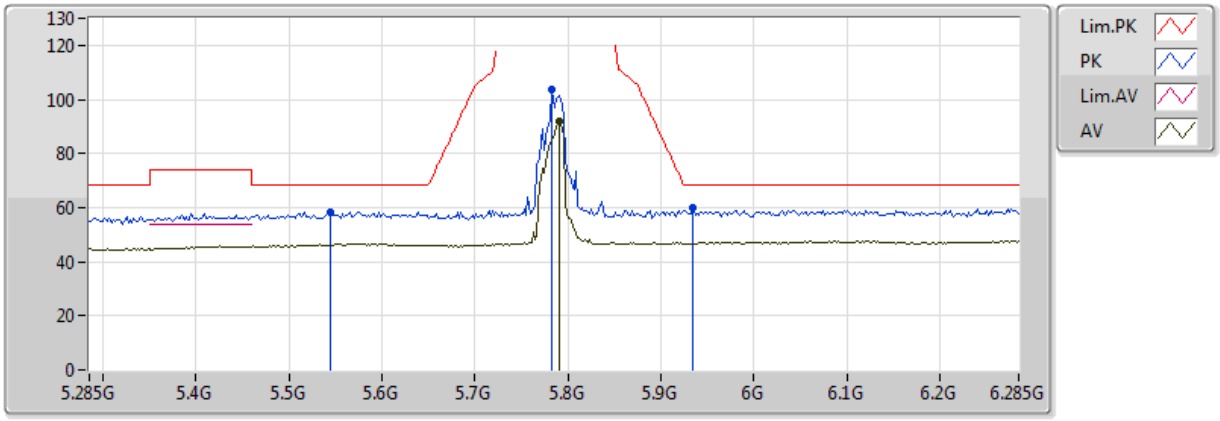


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.789G	113.90	Inf	-Inf	5.84	3	Vertical	75	2.08
PK	5.537G	64.47	68.20	-3.73	5.05	3	Vertical	75	2.08
PK	5.781G	124.97	Inf	-Inf	5.82	3	Vertical	75	2.08
PK	5.953G	60.73	68.20	-7.47	6.44	3	Vertical	75	2.08

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

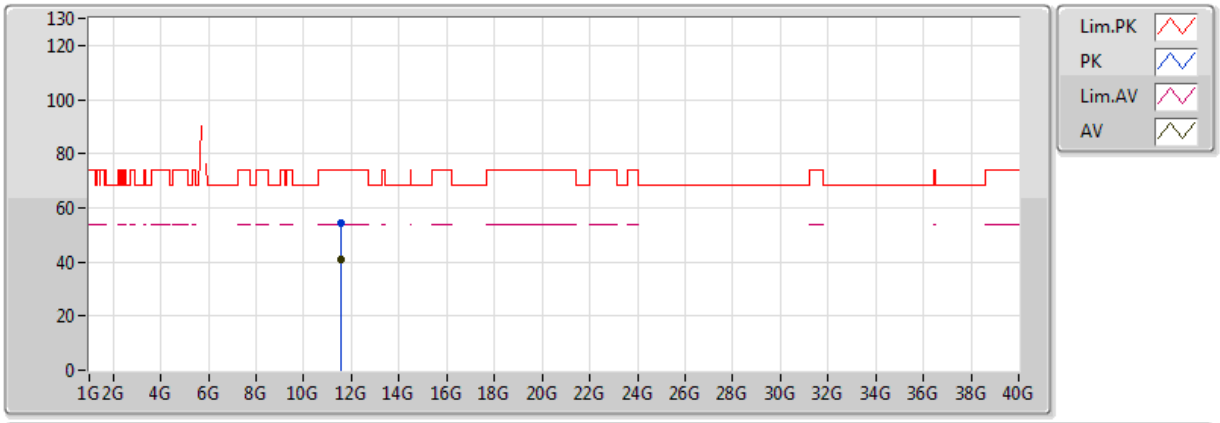


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.791G	91.84	Inf	-Inf	5.85	3	Horizontal	67	1.02
PK	5.545G	58.48	68.20	-9.72	5.08	3	Horizontal	67	1.02
PK	5.783G	103.39	Inf	-Inf	5.82	3	Horizontal	67	1.02
PK	5.935G	59.68	68.20	-8.52	6.37	3	Horizontal	67	1.02

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

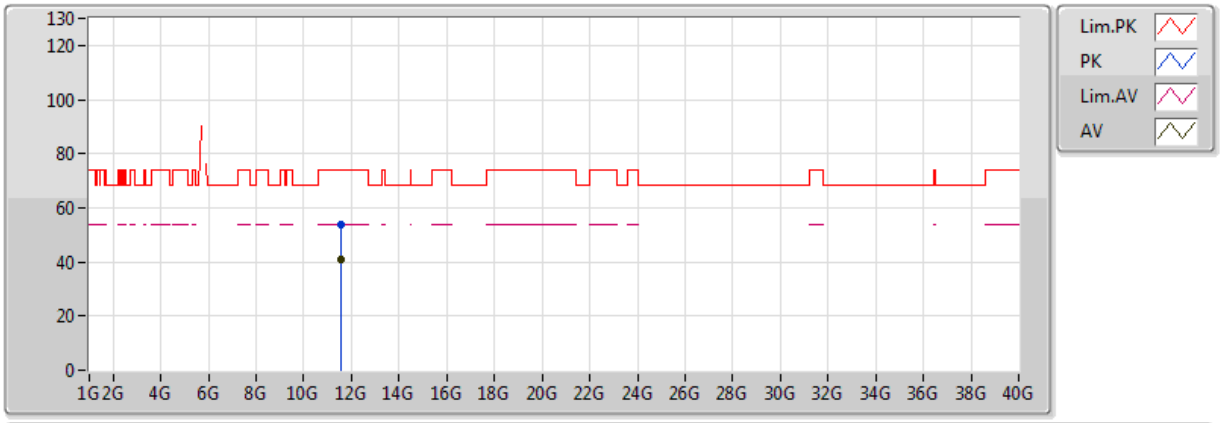


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56596G	41.07	54.00	-12.93	12.29	3	Vertical	106	1.48
PK	11.57142G	54.11	74.00	-19.89	12.29	3	Vertical	106	1.48

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5785MHz_TX

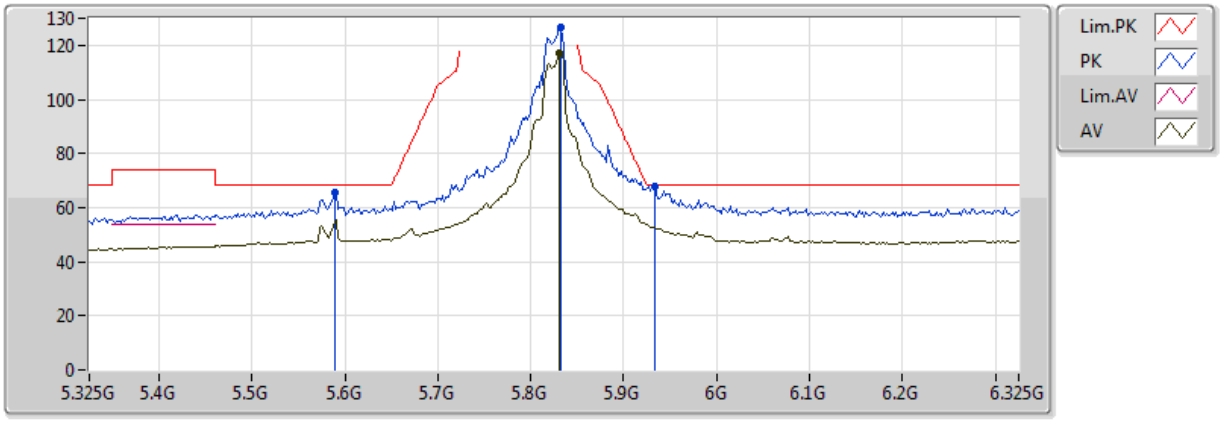


20170920
EUT Z_3TX
Setting 120 (Max Seting)
01-P-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56574G	40.83	54.00	-13.17	12.29	3	Horizontal	255	1.16
PK	11.57186G	53.60	74.00	-20.40	12.29	3	Horizontal	255	1.16

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

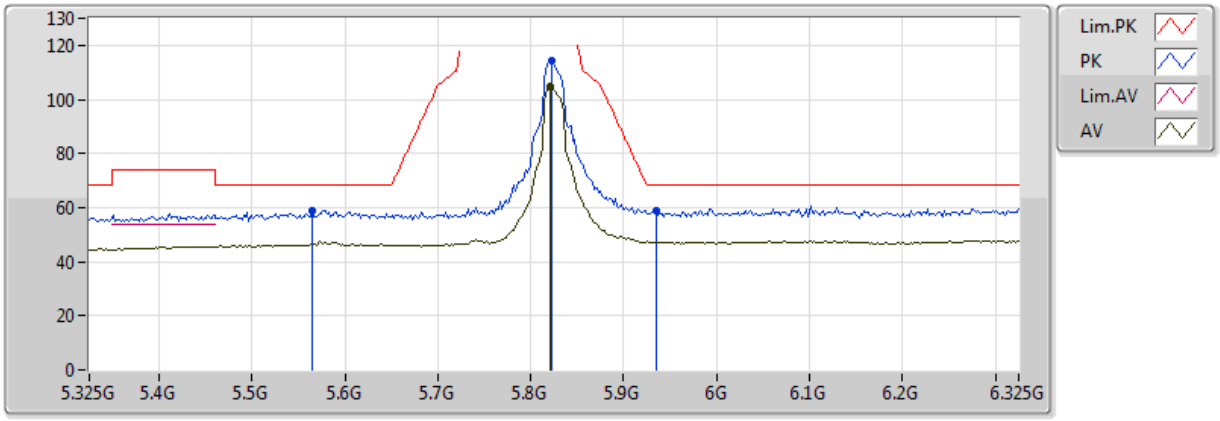


20170920
EUT Z_3TX
Setting 94
01-P-2-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.831G	117.23	Inf	-Inf	5.98	3	Vertical	83	2.09
PK	5.589G	65.59	68.20	-2.61	5.26	3	Vertical	83	2.09
PK	5.833G	126.69	Inf	-Inf	5.99	3	Vertical	83	2.09
PK	5.933G	67.90	68.20	-0.30	6.37	3	Vertical	83	2.09

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

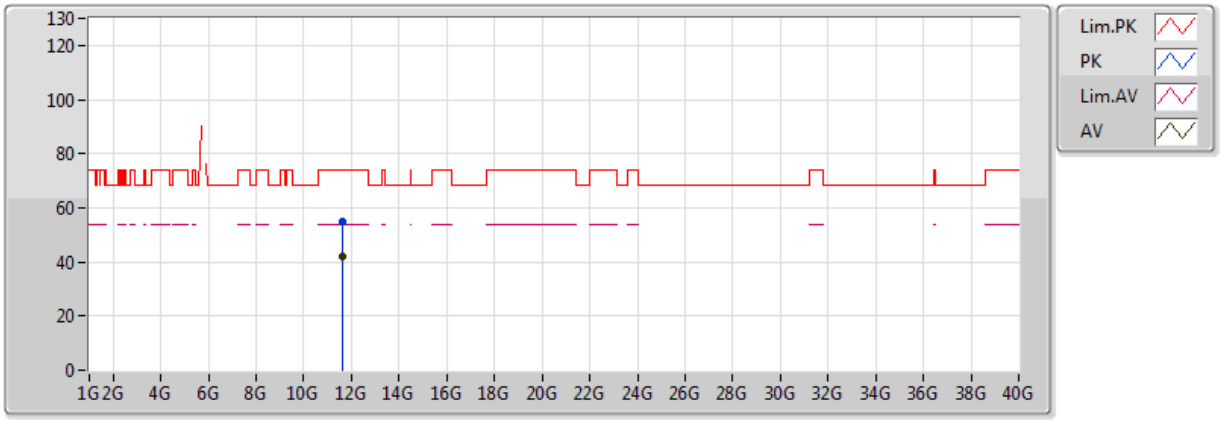


20170920
EUT Z_3TX
Setting 94
01-P-2-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.821G	104.73	Inf	-Inf	5.95	3	Horizontal	33	1.03
PK	5.565G	59.11	68.20	-9.09	5.17	3	Horizontal	33	1.03
PK	5.823G	114.16	Inf	-Inf	5.96	3	Horizontal	33	1.03
PK	5.935G	58.99	68.20	-9.21	6.37	3	Horizontal	33	1.03

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

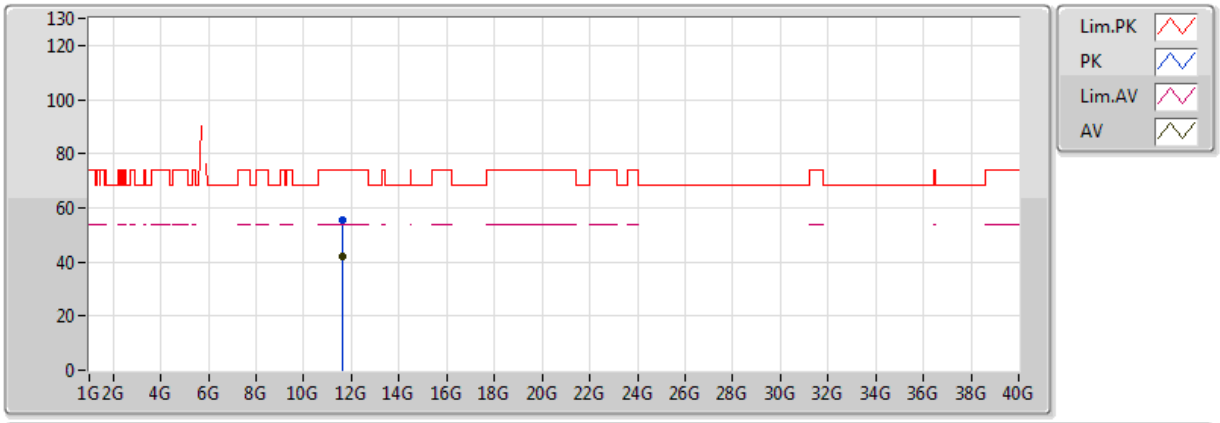


20170920
EUT Z_3TX
Setting 94
01-P-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64946G	42.18	54.00	-11.82	12.28	3	Vertical	157	1.93
PK	11.64662G	55.19	74.00	-18.81	12.28	3	Vertical	157	1.93

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

5825MHz_TX

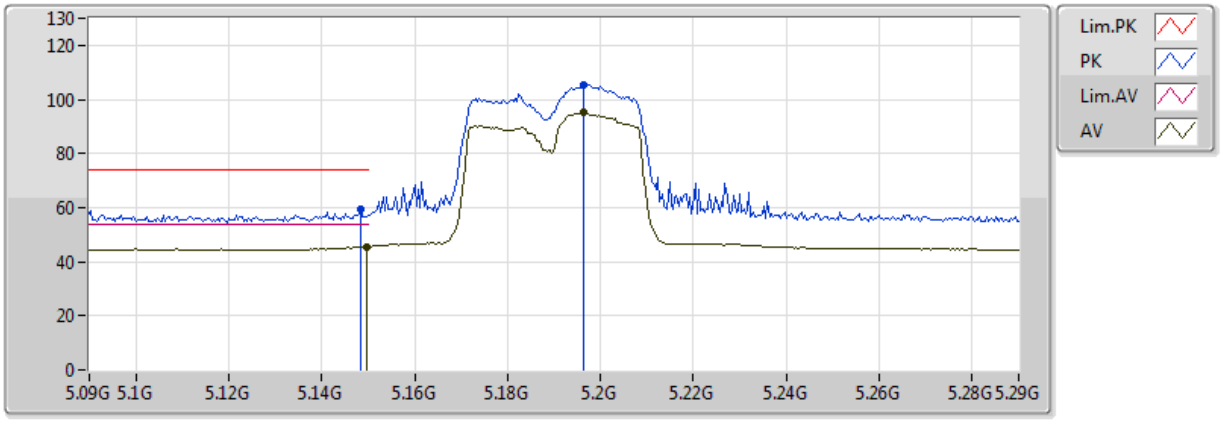


20170920
EUT Z_3TX
Setting 94
01-P-2
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64832G	42.03	54.00	-11.97	12.28	3	Horizontal	253	1.47
PK	11.65072G	55.32	74.00	-18.68	12.28	3	Horizontal	253	1.47

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

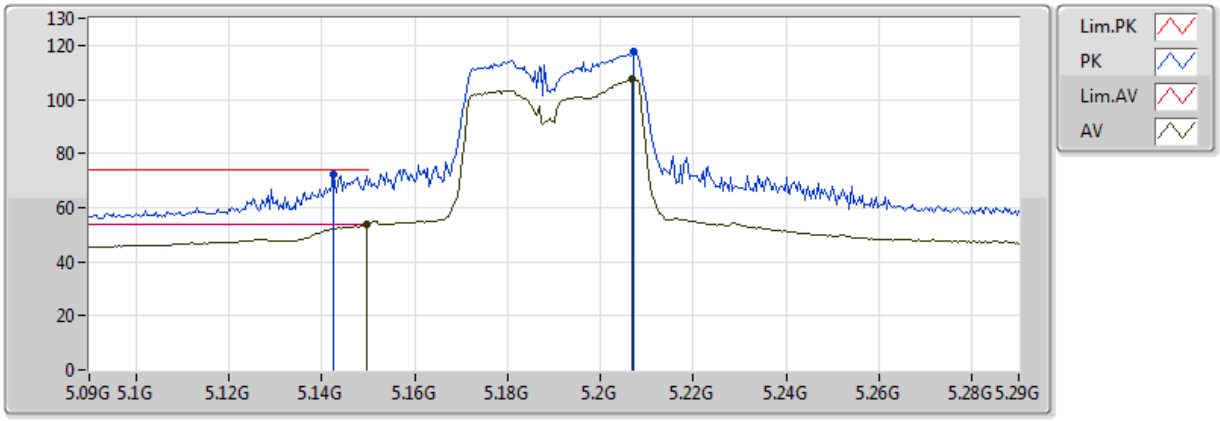


20170921
EUT Y_3TX
Setting 67
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1496G	45.49	54.00	-8.51	4.17	3	Vertical	74	1.62
AV	5.1964G	95.06	Inf	-Inf	4.27	3	Vertical	74	1.62
PK	5.1484G	59.18	74.00	-14.82	4.17	3	Vertical	74	1.62
PK	5.1964G	105.19	Inf	-Inf	4.27	3	Vertical	74	1.62

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

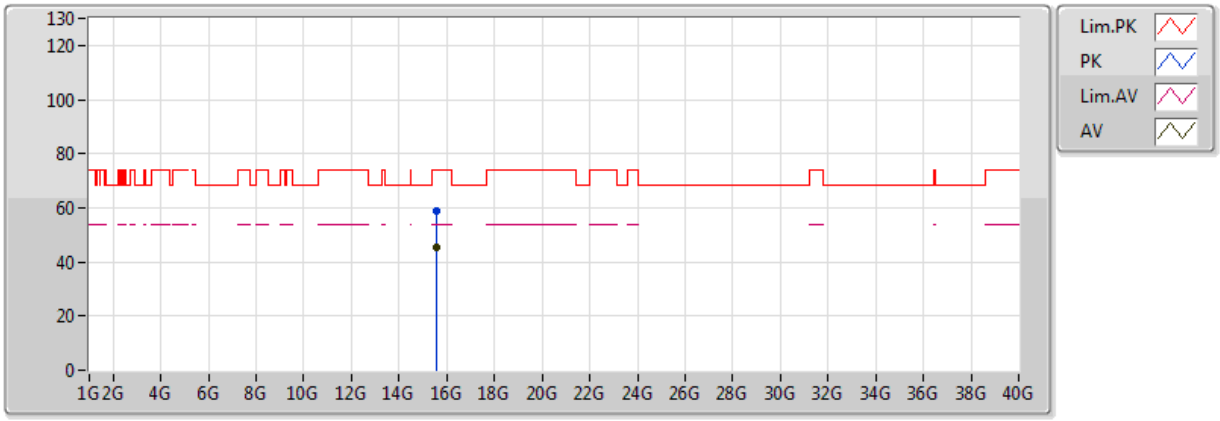


20170921
EUT Y_3TX
Setting 67
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1496G	53.84	54.00	-0.16	4.17	3	Horizontal	287	1.53
AV	5.2068G	107.63	Inf	-Inf	4.29	3	Horizontal	287	1.53
PK	5.1424G	72.25	74.00	-1.75	4.15	3	Horizontal	287	1.53
PK	5.2072G	117.88	Inf	-Inf	4.29	3	Horizontal	287	1.53

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

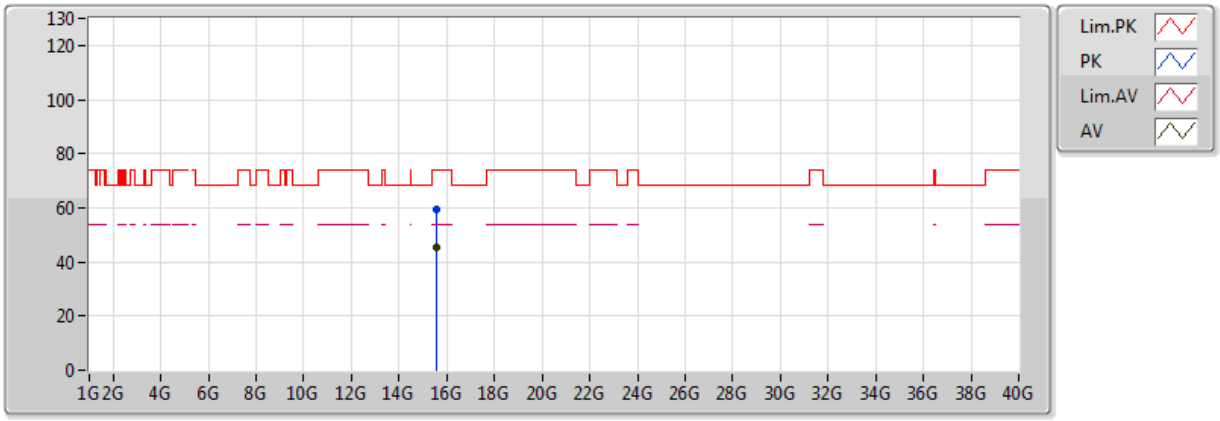


20170921
EUT Y_3TX
Setting 67
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.570716G	45.13	54.00	-8.87	13.50	3	Vertical	278	1.58
PK	15.570824G	58.78	74.00	-15.22	13.50	3	Vertical	278	1.58

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5190MHz_TX

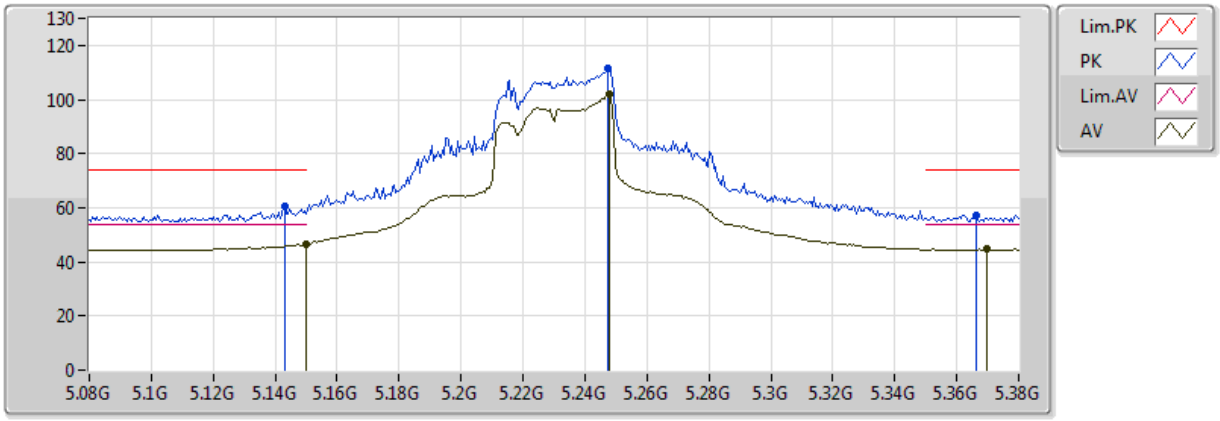


20170921
EUT Y_3TX
Setting 67
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.570988G	45.13	54.00	-8.87	13.50	3	Horizontal	9	1.77
PK	15.569596G	59.62	74.00	-14.38	13.50	3	Horizontal	9	1.77

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

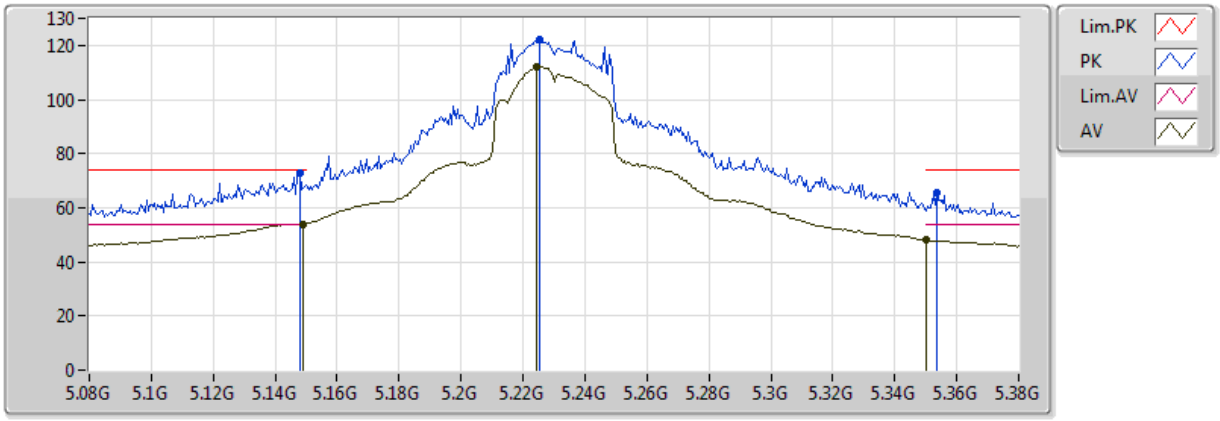


20170921
EUT Y_3TX
Setting 96
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	46.66	54.00	-7.34	4.17	3	Vertical	275	1.48
AV	5.248G	101.89	Inf	-Inf	4.36	3	Vertical	275	1.48
AV	5.3698G	44.62	54.00	-9.38	4.55	3	Vertical	275	1.48
PK	5.143G	60.56	74.00	-13.44	4.15	3	Vertical	275	1.48
PK	5.2474G	111.48	Inf	-Inf	4.36	3	Vertical	275	1.48
PK	5.3662G	57.30	74.00	-16.70	4.54	3	Vertical	275	1.48

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

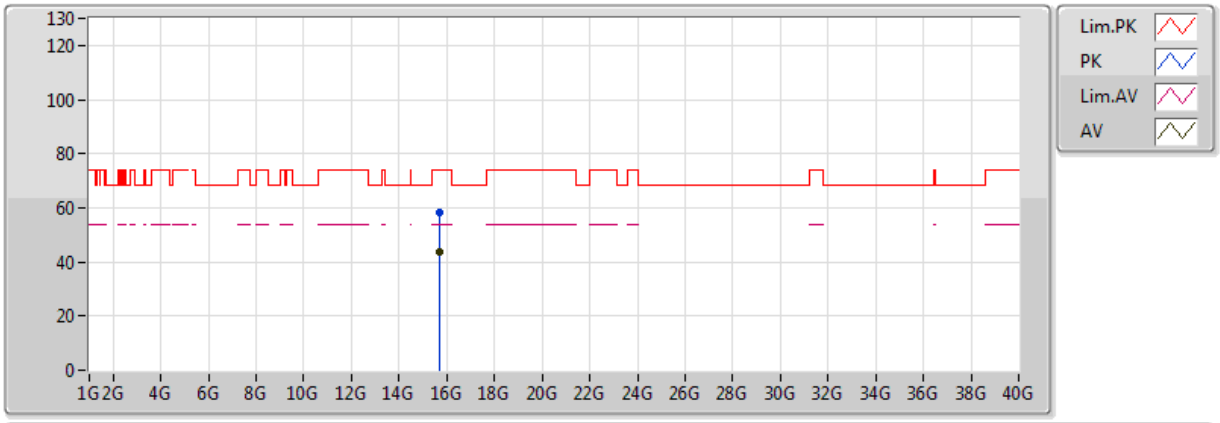


20170921
EUT Y_3TX
Setting 96
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149G	53.93	54.00	-0.07	4.17	3	Horizontal	86	1.50
AV	5.2246G	112.02	Inf	-Inf	4.32	3	Horizontal	86	1.50
AV	5.350005G	48.07	54.00	-5.93	4.52	3	Horizontal	86	1.50
PK	5.1478G	72.96	74.00	-1.04	4.17	3	Horizontal	86	1.50
PK	5.2252G	121.92	Inf	-Inf	4.32	3	Horizontal	86	1.50
PK	5.3536G	65.45	74.00	-8.55	4.53	3	Horizontal	86	1.50

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

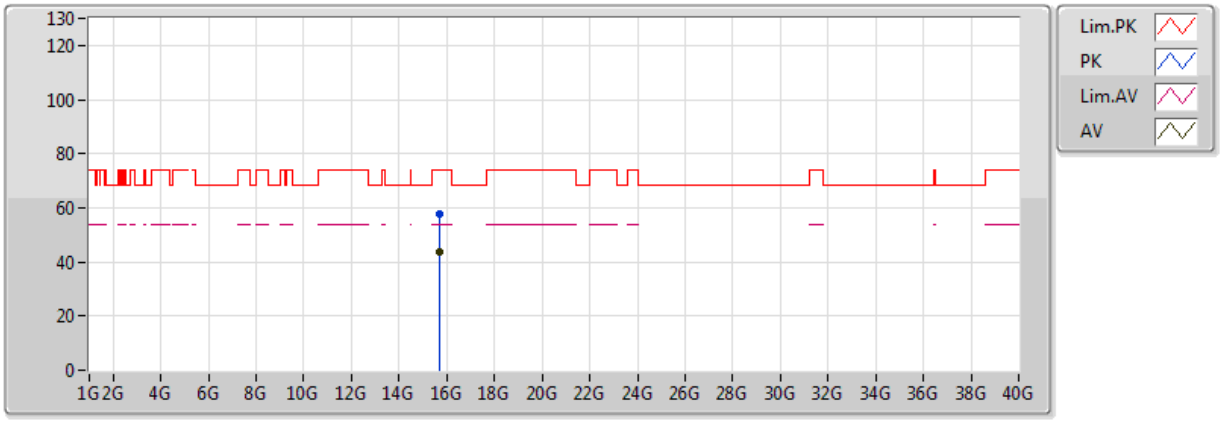


20170921
EUT Y_3TX
Setting 96
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.689394G	43.86	54.00	-10.14	13.36	3	Vertical	1	1.50
PK	15.6885G	58.43	74.00	-15.57	13.36	3	Vertical	1	1.50

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5230MHz_TX

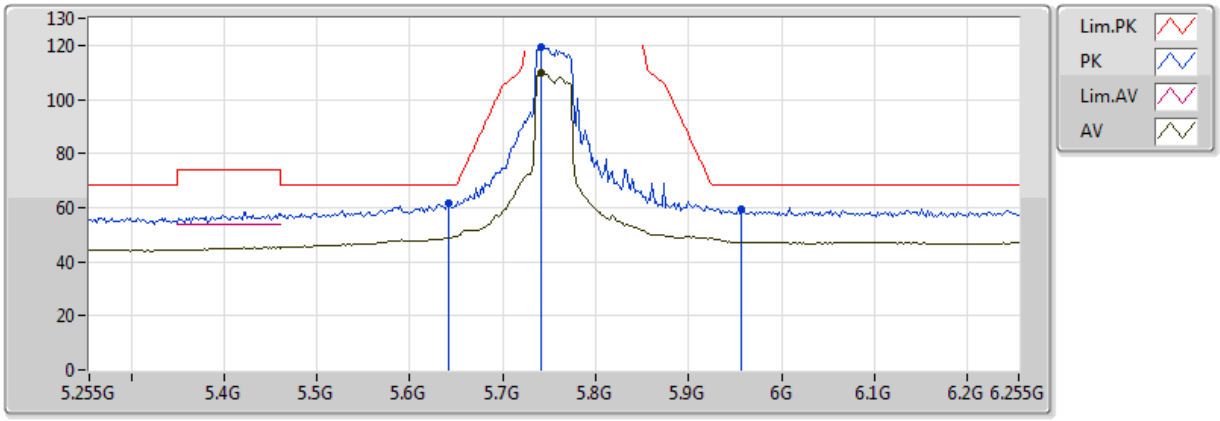


20170921
EUT Y_3TX
Setting 96
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.688926G	43.91	54.00	-10.09	13.36	3	Horizontal	352	1.50
PK	15.690102G	57.59	74.00	-16.41	13.36	3	Horizontal	352	1.50

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

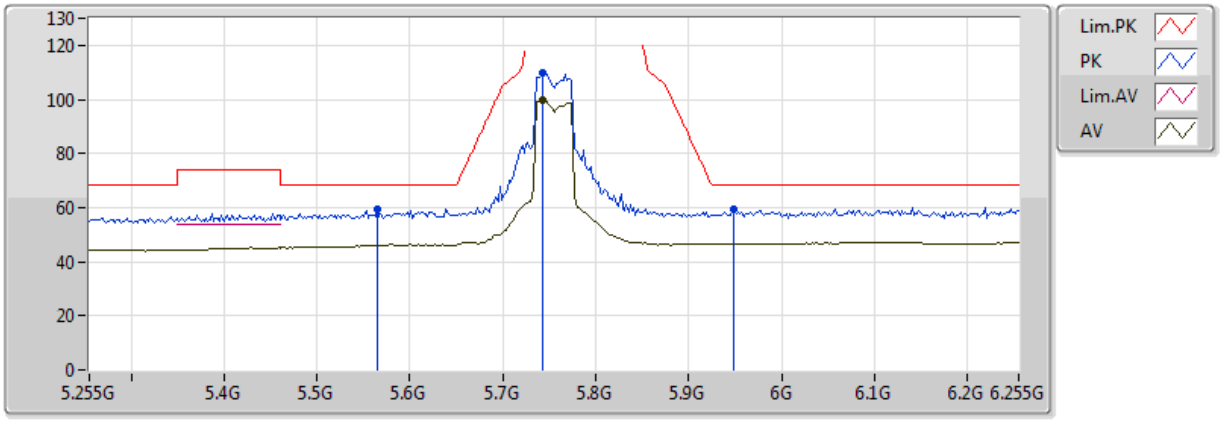


20170921
EUT Z_3TX
Setting 120 (Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.741G	109.70	Inf	-Inf	5.71	3	Vertical	74	1.44
PK	5.641G	61.83	68.20	-6.37	5.43	3	Vertical	74	1.44
PK	5.741G	119.10	Inf	-Inf	5.71	3	Vertical	74	1.44
PK	5.957G	59.30	68.20	-8.90	6.46	3	Vertical	74	1.44

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

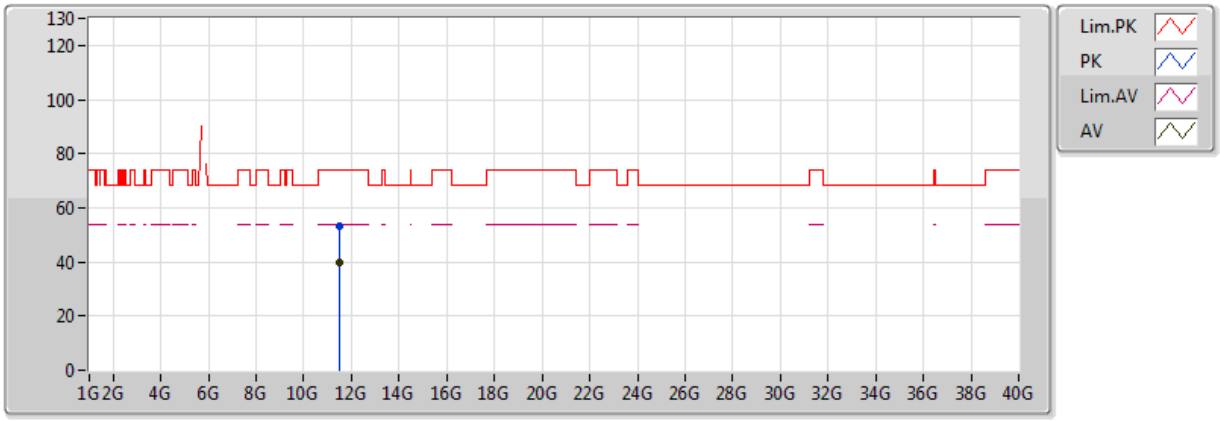


20170921
EUT Z_3TX
Setting 120 (Max Setting)
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.743G	99.63	Inf	-Inf	5.72	3	Horizontal	26	1.01
PK	5.565G	59.49	68.20	-8.71	5.17	3	Horizontal	26	1.01
PK	5.743G	109.55	Inf	-Inf	5.72	3	Horizontal	26	1.01
PK	5.949G	59.24	68.20	-8.96	6.43	3	Horizontal	26	1.01

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

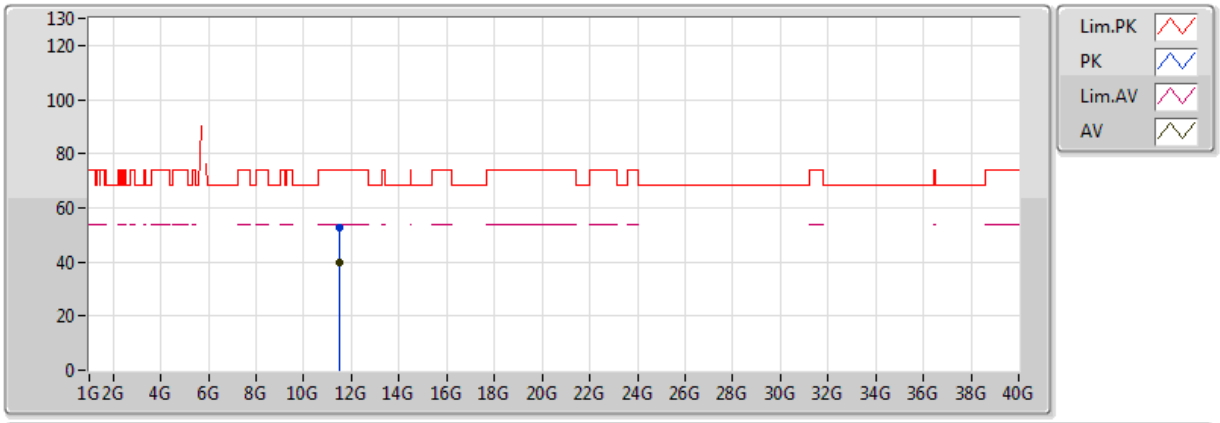


20170921
EUT Z_3TX
Setting 120 (Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.50965G	39.88	54.00	-14.12	12.30	3	Vertical	259	1.21
PK	11.50912G	53.32	74.00	-20.68	12.30	3	Vertical	259	1.21

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5755MHz_TX

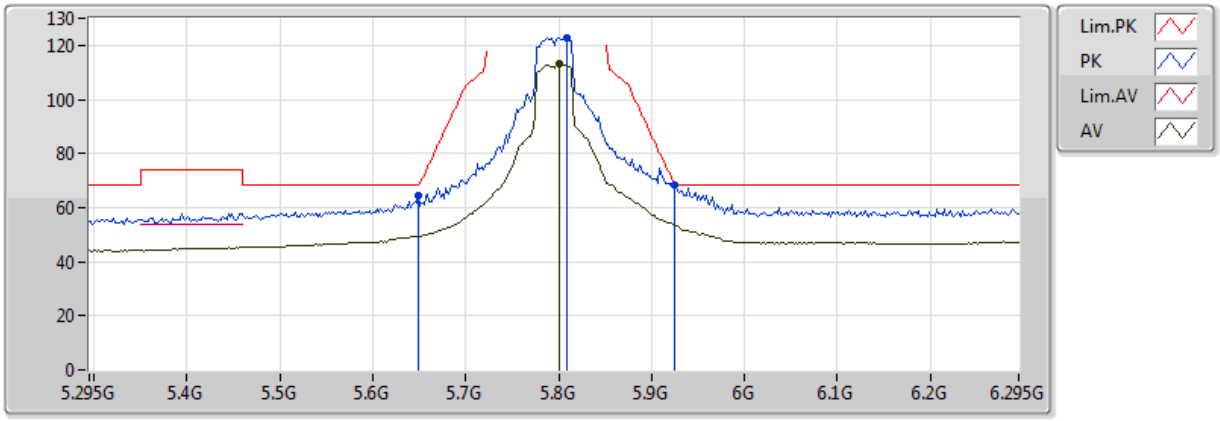


20170921
EUT Z_3TX
Setting 120 (Max Setting)
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.50795G	39.55	54.00	-14.45	12.30	3	Horizontal	102	1.30
PK	11.5121G	52.91	74.00	-21.09	12.30	3	Horizontal	102	1.30

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

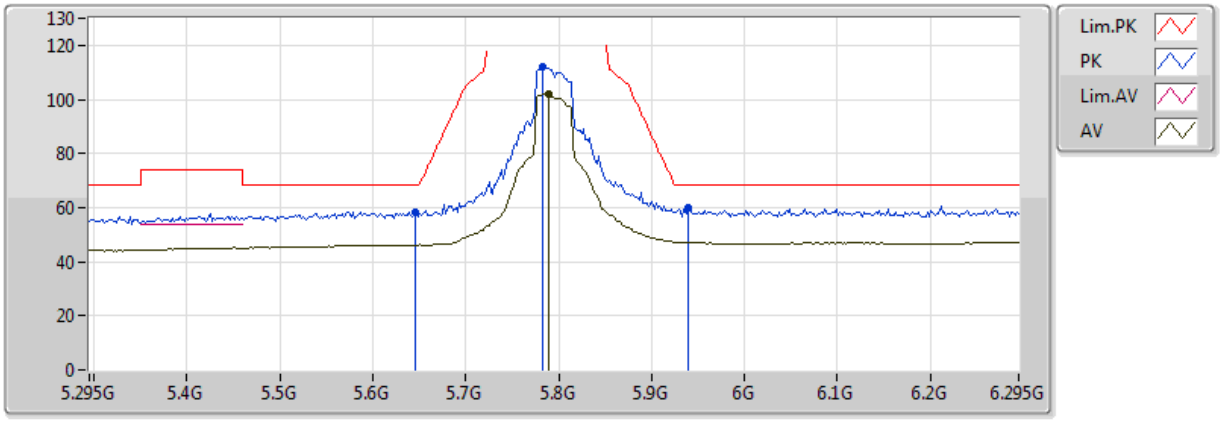


20170921
EUT Z_3TX
Setting 93
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.801G	113.01	Inf	-Inf	5.87	3	Vertical	58	1.76
PK	5.649G	64.53	68.20	-3.67	5.45	3	Vertical	58	1.76
PK	5.809G	122.95	Inf	-Inf	5.90	3	Vertical	58	1.76
PK	5.925G	68.16	68.20	-0.04	6.33	3	Vertical	58	1.76

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

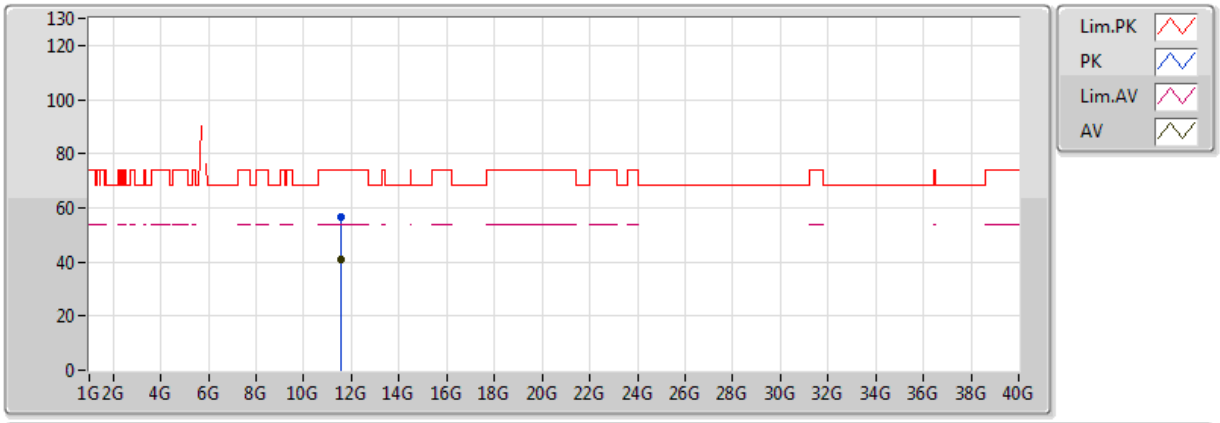


20170921
EUT Z_3TX
Setting 93
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.789G	102.19	Inf	-Inf	5.84	3	Horizontal	81	1.38
PK	5.645G	58.35	68.20	-9.85	5.44	3	Horizontal	81	1.38
PK	5.783G	111.85	Inf	-Inf	5.82	3	Horizontal	81	1.38
PK	5.939G	59.90	68.20	-8.30	6.39	3	Horizontal	81	1.38

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

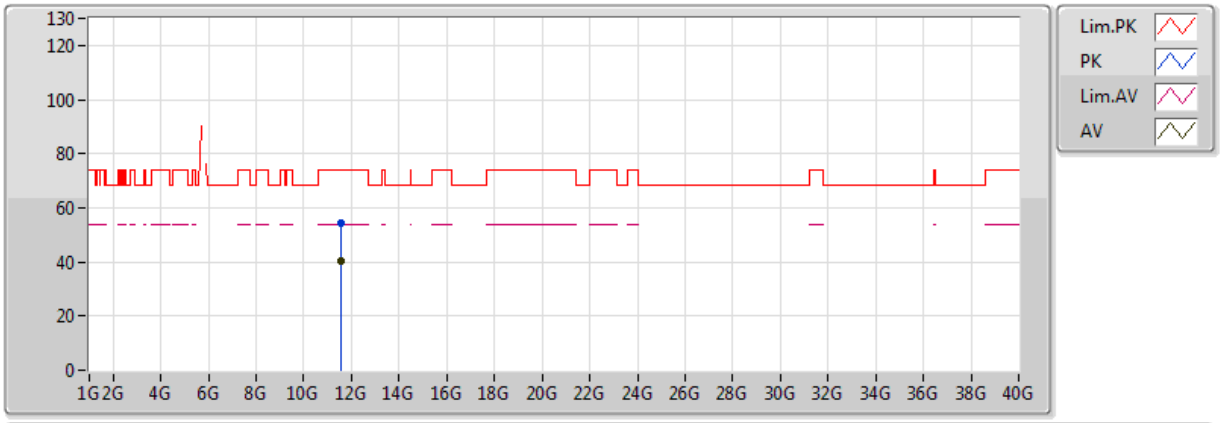


20170921
EUT Z_3TX
Setting 93
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.58948G	41.13	54.00	-12.87	12.29	3	Vertical	19	2.94
PK	11.58993G	56.82	74.00	-17.18	12.29	3	Vertical	19	2.94

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

5795MHz_TX

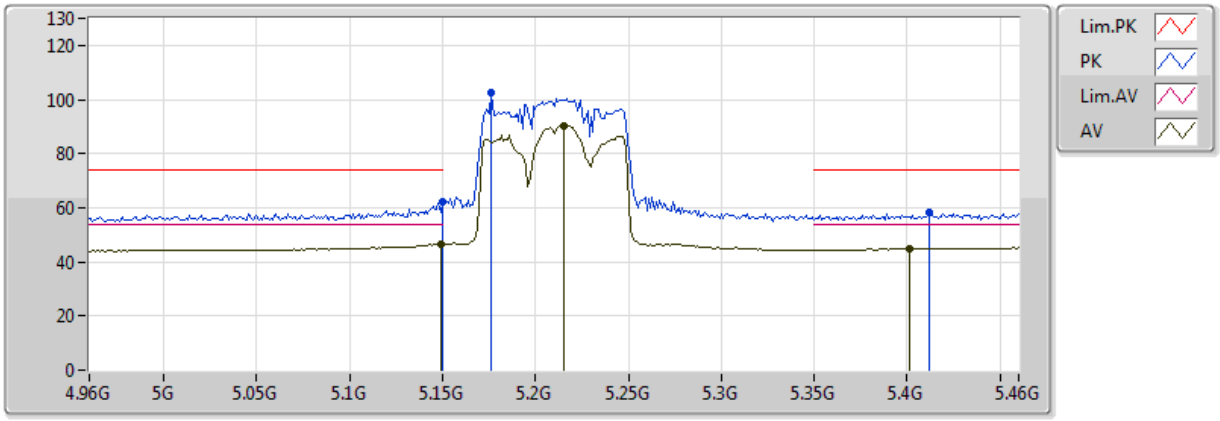


20170921
EUT Z_3TX
Setting 93
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.59232G	40.41	54.00	-13.59	12.29	3	Horizontal	258	1.21
PK	11.58786G	54.14	74.00	-19.86	12.29	3	Horizontal	258	1.21

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

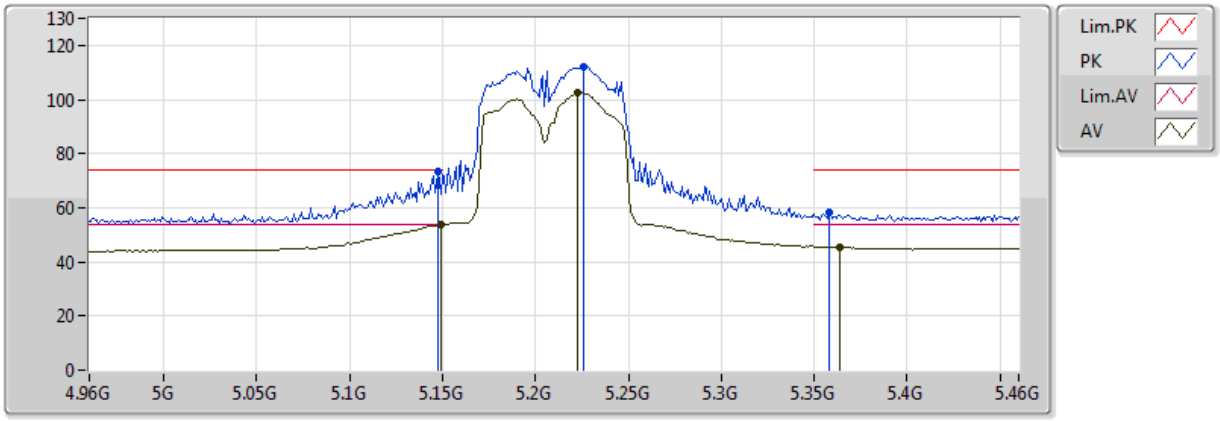


20170921
EUT Y_3TX
Setting 68
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149G	46.46	54.00	-7.54	4.17	3	Vertical	86	2.48
AV	5.215G	89.99	Inf	-Inf	4.31	3	Vertical	86	2.48
AV	5.401G	44.86	54.00	-9.14	4.59	3	Vertical	86	2.48
PK	5.149995G	61.99	74.00	-12.01	4.17	3	Vertical	86	2.48
PK	5.176G	102.47	Inf	-Inf	4.23	3	Vertical	86	2.48
PK	5.412G	58.13	74.00	-15.87	4.63	3	Vertical	86	2.48

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

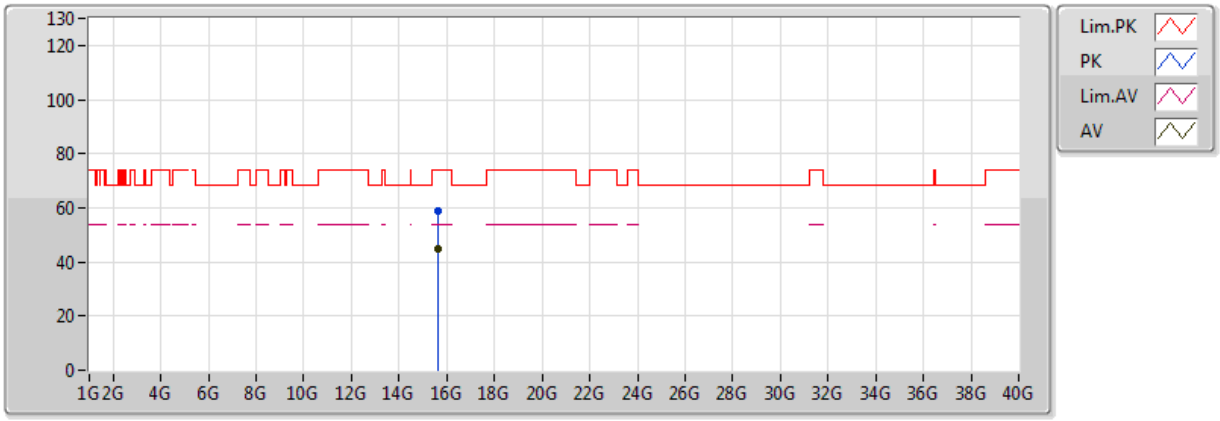


20170921
EUT Y_3TX
Setting 68
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149G	53.71	54.00	-0.29	4.17	3	Horizontal	78	1.69
AV	5.223G	102.58	Inf	-Inf	4.32	3	Horizontal	78	1.69
AV	5.364G	45.58	54.00	-8.42	4.54	3	Horizontal	78	1.69
PK	5.148G	73.34	74.00	-0.66	4.17	3	Horizontal	78	1.69
PK	5.226G	112.27	Inf	-Inf	4.32	3	Horizontal	78	1.69
PK	5.358G	58.45	74.00	-15.55	4.53	3	Horizontal	78	1.69

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

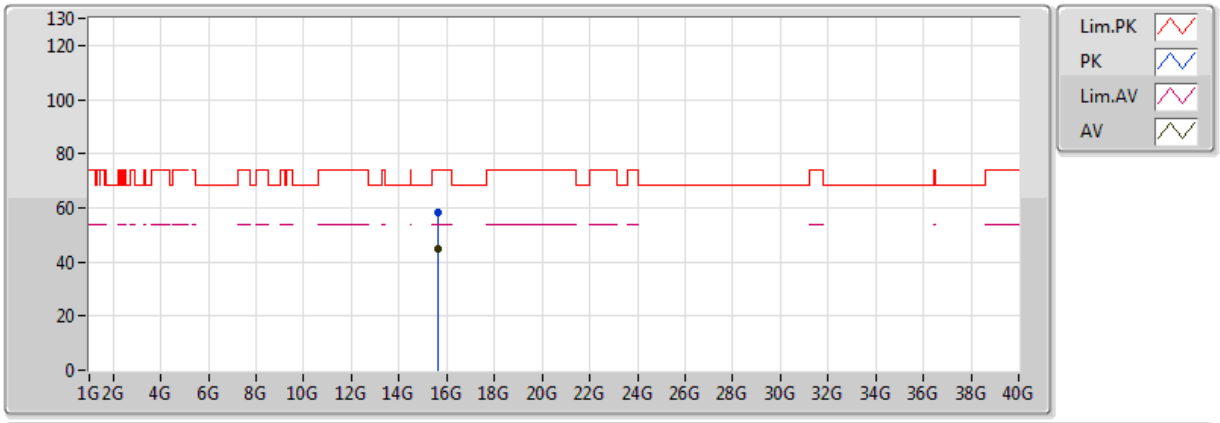


20170921
EUT Y_3TX
Setting 68
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.62751G	44.69	54.00	-9.31	13.43	3	Vertical	127	1.50
PK	15.63075G	58.88	74.00	-15.12	13.43	3	Vertical	127	1.50

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5210MHz_TX

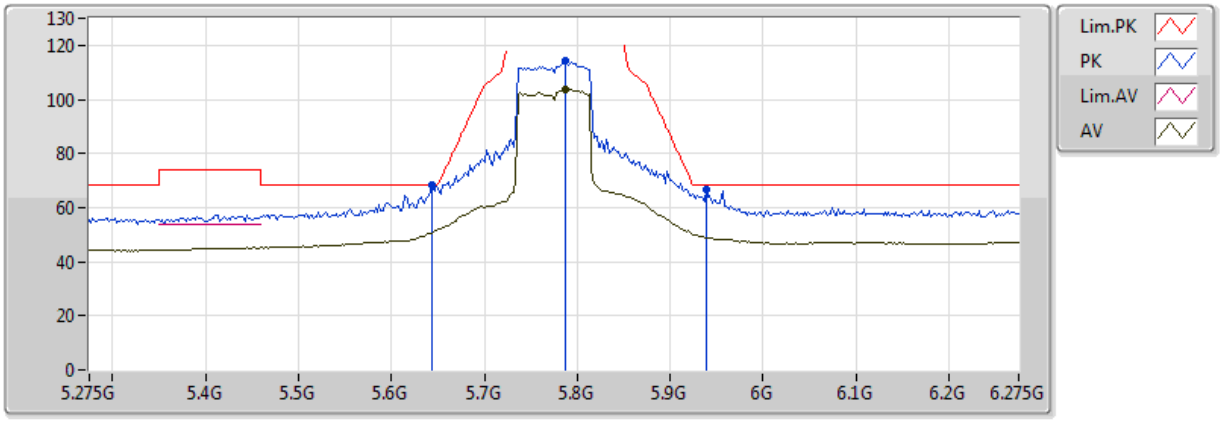


20170921
EUT Y_3TX
Setting 68
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.62916G	44.58	54.00	-9.42	13.43	3	Horizontal	28	1.04
PK	15.63108G	58.05	74.00	-15.95	13.43	3	Horizontal	28	1.04

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

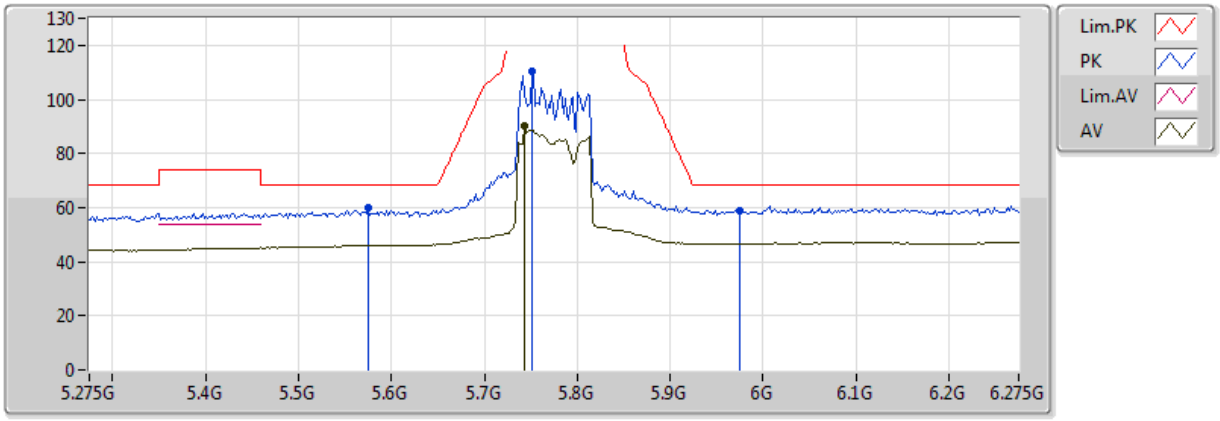


20170921
EUT Z_3TX
Setting 73
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.787G	103.81	Inf	-Inf	5.83	3	Vertical	124	1.50
PK	5.643G	68.18	68.20	-0.02	5.43	3	Vertical	124	1.50
PK	5.787G	114.18	Inf	-Inf	5.83	3	Vertical	124	1.50
PK	5.939G	66.71	68.20	-1.49	6.39	3	Vertical	124	1.50

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

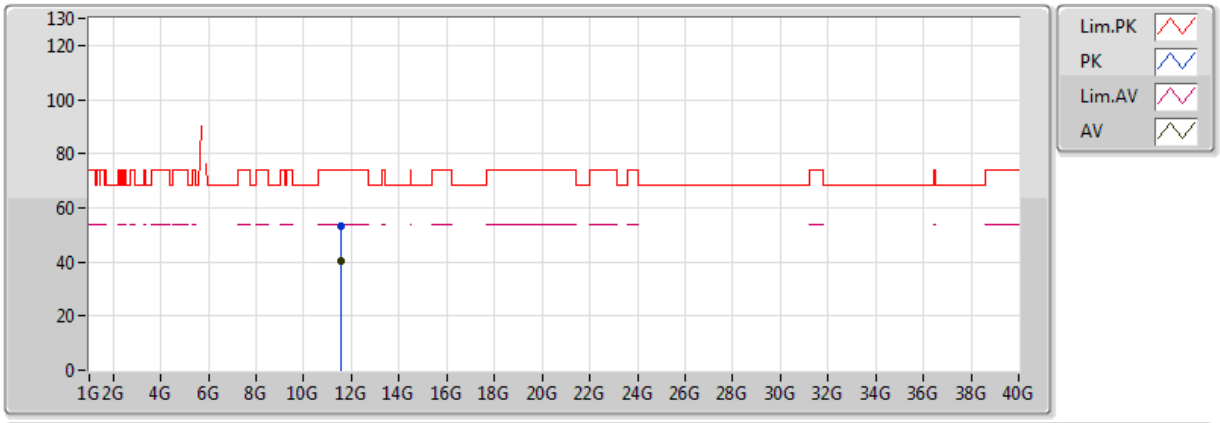


20170921
EUT Z_3TX
Setting 73
01-W-3-10
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.743G	90.33	Inf	-Inf	5.72	3	Horizontal	67	1.03
PK	5.575G	59.68	68.20	-8.52	5.21	3	Horizontal	67	1.03
PK	5.751G	110.51	Inf	-Inf	5.74	3	Horizontal	67	1.03
PK	5.975G	58.99	68.20	-9.21	6.52	3	Horizontal	67	1.03

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX

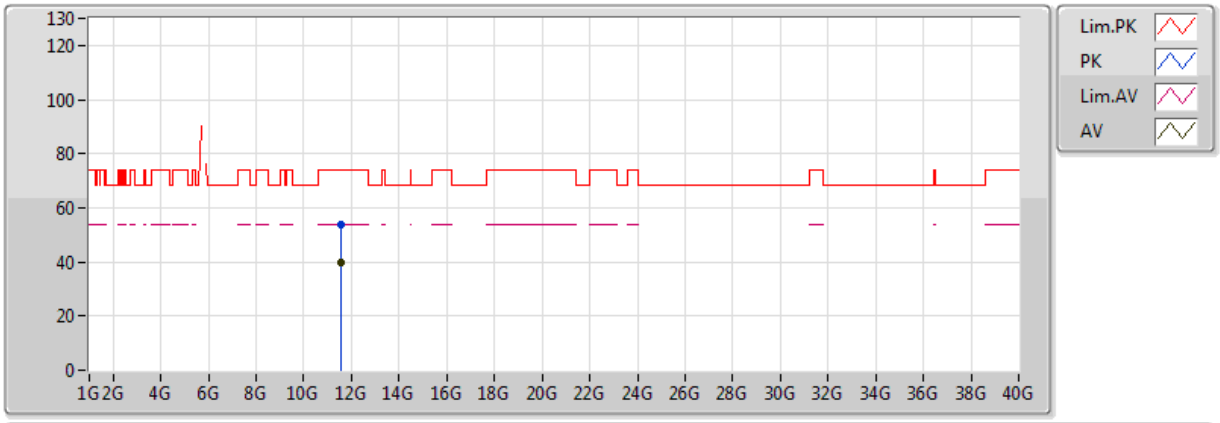


20170921
EUT Z_3TX
Setting 73
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.55011G	40.25	54.00	-13.75	12.30	3	Vertical	258	1.27
PK	11.55027G	53.37	74.00	-20.63	12.30	3	Vertical	258	1.27

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

5775MHz_TX



20170921
EUT Z_3TX
Setting 73
01-W-3
FSP(100080)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.5491G	39.63	54.00	-14.37	12.30	3	Horizontal	307	1.03
PK	11.54995G	53.68	74.00	-20.32	12.30	3	Horizontal	307	1.03

Mode: 20 MHz / Port 2
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9994	5199.9993	5199.9987	5199.9986
110.00	5199.9984	5199.9978	5199.9975	5199.9966
93.50	5199.9979	5199.9977	5199.9972	5199.9971
Max. Deviation (MHz)	0.0021	0.0023	0.0028	0.0034
Max. Deviation (ppm)	0.40	0.44	0.54	0.65
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5200.0003	5200.0001	5199.9993	5199.9983
10	5199.9991	5199.9981	5199.9973	5199.9970
20	5199.9984	5199.9976	5199.9975	5199.9965
30	5199.9963	5199.9954	5199.9946	5199.9943
40	5199.9949	5199.9943	5199.9937	5199.9931
Max. Deviation (MHz)	0.0071	0.0075	0.0081	0.0089
Max. Deviation (ppm)	1.37	1.44	1.56	1.71
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9990	5784.9986	5784.9978	5784.9974
110.00	5784.9984	5784.9982	5784.9975	5784.9966
93.50	5784.9979	5784.9972	5784.9967	5784.9960
Max. Deviation (MHz)	0.0021	0.0028	0.0033	0.0040
Max. Deviation (ppm)	0.36	0.48	0.57	0.69
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5785.0015	5785.0012	5785.0011	5785.0004
10	5785.0004	5785.0001	5784.9992	5784.9991
20	5784.9984	5784.9974	5784.9966	5784.9958
30	5784.9963	5784.9959	5784.9949	5784.9940
40	5784.9948	5784.9942	5784.9937	5784.9928
Max. Deviation (MHz)	0.0052	0.0062	0.0072	0.0078
Max. Deviation (ppm)	0.90	1.07	1.24	1.35
Result	Pass			

Mode: 40 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9990	5189.9982	5189.9975	5189.9969
110.00	5189.9984	5189.9981	5189.9980	5189.9974
93.50	5189.9977	5189.9973	5189.9970	5189.9961
Max. Deviation (MHz)	0.0023	0.0027	0.0030	0.0039
Max. Deviation (ppm)	0.44	0.52	0.58	0.75
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5190.0015	5190.0009	5190.0007	5190.0001
10	5190.0002	5189.9996	5189.9988	5189.9987
20	5189.9984	5189.9981	5189.9974	5189.9972
30	5189.9963	5189.9954	5189.9950	5189.9949
40	5189.9952	5189.9948	5189.9944	5189.9940
Max. Deviation (MHz)	0.0049	0.0052	0.0056	0.0060
Max. Deviation (ppm)	0.94	1.00	1.08	1.16
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9992	5754.9990	5754.9987	5754.9984
110.00	5754.9984	5754.9976	5754.9969	5754.9963
93.50	5754.9976	5754.9974	5754.9972	5754.9971
Max. Deviation (MHz)	0.0024	0.0026	0.0031	0.0037
Max. Deviation (ppm)	0.42	0.45	0.54	0.64
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5755.0011	5755.0008	5755.0002	5755.0000
10	5754.9994	5754.9991	5754.9986	5754.9982
20	5754.9984	5754.9978	5754.9971	5754.9966
30	5754.9963	5754.9962	5754.9959	5754.9949
40	5754.9944	5754.9935	5754.9930	5754.9925
Max. Deviation (MHz)	0.0056	0.0065	0.0070	0.0075
Max. Deviation (ppm)	0.97	1.13	1.22	1.30
Result	Pass			

Mode: 80 MHz / Port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9988	5209.9983	5209.9982	5209.9973
110.00	5209.9984	5209.9982	5209.9981	5209.9979
93.50	5209.9983	5209.9976	5209.9968	5209.9962
Max. Deviation (MHz)	0.0017	0.0024	0.0032	0.0038
Max. Deviation (ppm)	0.33	0.46	0.61	0.73
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5209.9993	5209.9991	5209.9983	5209.9973
10	5209.9990	5209.9981	5209.9972	5209.9966
20	5209.9984	5209.9982	5209.9980	5209.9975
30	5209.9963	5209.9962	5209.9958	5209.9949
40	5209.9959	5209.9951	5209.9946	5209.9942
Max. Deviation (MHz)	0.0041	0.0049	0.0054	0.0058
Max. Deviation (ppm)	0.79	0.94	1.04	1.11

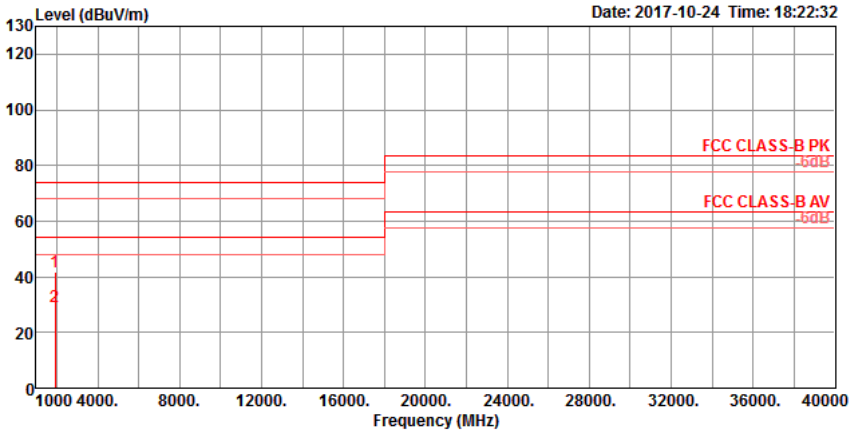
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9985	5774.9984	5774.9981	5774.9978
110.00	5774.9984	5774.9981	5774.9971	5774.9970
93.50	5774.9976	5774.9973	5774.9969	5774.9962
Max. Deviation (MHz)	0.0024	0.0027	0.0031	0.0038
Max. Deviation (ppm)	0.42	0.47	0.54	0.66
Result	Pass			

Temperature vs. Frequency Stability

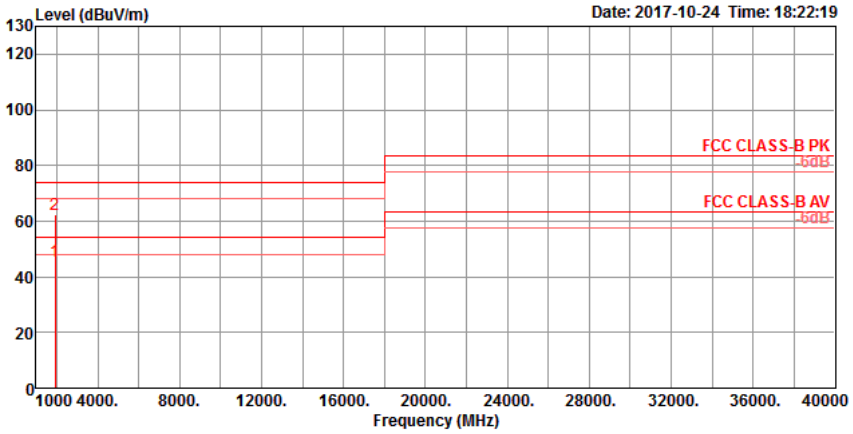
Temperature	Measurement Frequency (MHz)			
(℃)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5775.0009	5774.9999	5774.9991	5774.9981
10	5774.9994	5774.9985	5774.9982	5774.9979
20	5774.9984	5774.9981	5774.9975	5774.9966
30	5774.9963	5774.9955	5774.9947	5774.9940
40	5774.9954	5774.9949	5774.9940	5774.9938
Max. Deviation (MHz)	0.0046	0.0051	0.0060	0.0062
Max. Deviation (ppm)	0.80	0.88	1.04	1.07
Result	Pass			

RSE Co-location Result			
Operating Mode	2	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1908.96	41.81	74.00	-32.19	45.05	5.44	25.89	34.57	109	144	Peak	HORIZONTAL
2	1909.04	29.10	54.00	-24.90	32.34	5.44	25.89	34.57	109	144	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	2	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	1909.92	45.75	54.00	-8.25	48.99	5.44	25.89	34.57	114	149	Average	VERTICAL
2	1910.86	62.38	74.00	-11.62	65.61	5.44	25.89	34.56	114	149	Peak	VERTICAL