5GHz Wi-Fi Radio FCC Test Report

Equipment	:	Norton Core Secure WiFi Router
Brand Name	:	Norton Core
Model No.	:	517
FCC ID	:	2AI6F-517
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5150 MHz – 5250 MHz 5725 MHz – 5850 MHz
Applicant	:	Symantec Corporation 350 Ellis Street Mountain View, CA 94043 United States
Manufacturer	:	CyberTAN Technology Inc. No. 99, Park Avenue III, Science-based Industrial Park, Hsinchu, 308 Taiwan
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☐ Client

The product sample received on Aug. 18, 2016 and completely tested on Mar. 14, 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**
1.1.3	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
FR681620AB	Rev. 01	Initial issue of report	Mar. 31, 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	4
5.15-5.25GHz	802.11ac VHT20	20	4
5.15-5.25GHz	802.11ac VHT40	40	4
5.15-5.25GHz	802.11ac VHT80	80	4
5.15-5.25GHz	802.11a-BF	20	4
5.15-5.25GHz	802.11ac VHT20-BF	20	4
5.15-5.25GHz	802.11ac VHT40-BF	40	4
5.15-5.25GHz	802.11ac VHT80-BF	80	4
5.725-5.85GHz	802.11a	20	4
5.725-5.85GHz	802.11ac VHT20	20	4
5.725-5.85GHz	802.11ac VHT40	40	4
5.725-5.85GHz	802.11ac VHT80	80	4
5.725-5.85GHz	802.11a-BF	20	4
5.725-5.85GHz	802.11ac VHT20-BF	20	4
5.725-5.85GHz	802.11ac VHT40-BF	40	4
5.725-5.85GHz	802.11ac VHT80-BF	80	4

Note:
- 5.2G/5.2G-I(IC) is the 5.2GHz Band (5.15-5.25GHz).
- 5.8G/5.8G-I(IC) is the 5.8GHz Band (5.725-5.850GHz).
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
1	42+155	5210+5775 MHz

1.1.3 Antenna Information

Ant.	Brand	Model Name P/N	Antenna Type	Connector	Gain (dBi)			
					2.4GHz	5GHz B1	5GHz B4	BT
1	Airgain	M2410DCR-UV-G1XST125BU	Dual-band Dipole	I-PEX	1.5	2.3	3.3	-
2	Airgain	M2410DCR-UV-B1XST135BU	Dual-band Dipole	I-PEX	1.5	2.3	3.3	-
3	Airgain	M2410DCR-UV-A1XST115BU	Dual-band Dipole	I-PEX	1.5	2.3	3.3	-
4	Airgain	M2410DCR-UV-G1XST125BU	Dual-band Dipole	I-PEX	1.5	2.3	3.3	-
5	PSA	RFMTA271200NNAB003	PIFA Antenna	N/A	-	-	-	2.54

Note: The EUT has five antennas.

Ant.1 = Chain 1(port 1), Ant.2 = Chain 2(port 2), Ant.3 = Chain 3(port 3), Ant.4 = Chain 4(port 4), Ant.5= Chain 5(port 1).

For WLAN function (4TX, 4RX):

Chain 1 ~ Chain 4 can be used as transmitting/receiving antenna.

Chain 1 ~ Chain 4 could transmit/receive simultaneously.

For Bluetooth function (1TX, 1RX):

Only Chain 5 can be used as transmitting/receiving functions.

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)
802.11a-BF	0.938	0.278
802.11ac VHT20-BF	0.922	0.353
802.11ac VHT40-BF	0.903	0.443
802.11ac VHT80-BF	0.916	0.381
802.11ac VHT80+80-BF	0.38	4.202

1.1.5 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming

Note: The product has beamforming function for 802.11a/g/n/ac in 2.4GHz and 5GHz.

1.1.6 Table for Multiple Listing

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

Brand Name	Model Name	EUT	Color
Norton Core	517	1	Granite Gray
		2	Titanium Gold

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 v01r03
- 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	Serway Li	20°C / 60%	Mar. 07, 2017 | Mar. 08, 2017
Radiated	03CH01-CB	Zero Chen, Nyle, Chang, Justin Lin	22°C / 54%	Dec. 26, 2016 | Mar. 14, 2017
AC Conduction	CO01-CB	Ryo Fan	23°C / 61%	Dec. 28, 2016

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-BF_Nss1_4TX	-
5180MHz	22
5200MHz	22
5240MHz	21.5
5745MHz	21
5785MHz	21
5825MHz	21
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	22
5200MHz	22
5240MHz	22
5745MHz	21
5785MHz	20.5
5825MHz	20.5
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	20.5
5230MHz	21
5755MHz	20.5
5795MHz	20.5
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	20
5775MHz	21
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5180MHz	24
5200MHz	24
5240MHz	24
5745MHz	24
5785MHz	24
5825MHz	24
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5190MHz	20
5230MHz	23
5755MHz	24
5795MHz	24
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5210MHz	21
5775MHz	23
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-

Mode	Power Setting
#5210MHz,5775MHz	27
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-
5210MHz,#5775MHz	27
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-
#5210MHz,5775MHz	28
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-
5210MHz,#5775MHz	28

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
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
Operating Mode > 1GHz	CTX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth+WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA681620 for Co-location RF Exposure Evaluation.	

Note: 1. There are two modes one is beamforming mode, and the other is non-beamforming mode, after evaluating, beamforming mode has been evaluated to be the worst case, so it was selected to test and record in this test report.
2. 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.
3. The EUT can only be used at Z axis position.

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	**Brand Name**	**Model Name**	**Rating**
Adapter	Delta	ADP-360DW B2A	Input: 100-120V ~ 60Hz 0.9A Output: 12V, 3.0A
RJ-45 cable*1: Non-shielded 1.8m			

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E6430	DoC
2	iPhone 4	Apple	A1332	BCG-E2380a
3	Flash Disk3.0*2	ADATA	C103	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*2	Apple	Mac Book	DoC
3	iPhone 4	Apple	A1332	BCG-E2380a
4	Flash Disk3.0*2	Silicon Power	B06	DoC

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

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

<For Beamforming Mode>

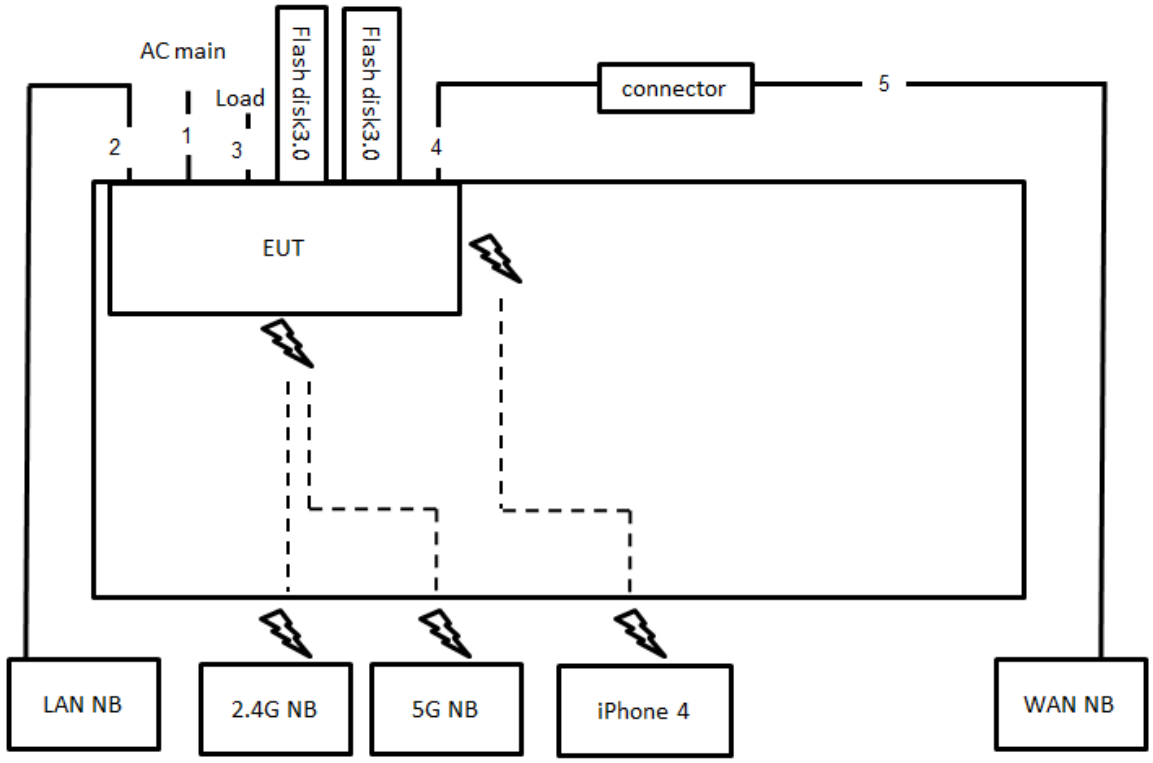
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*2	DELL	E4300	DoC
3	Client	Norton	Rover	N/A

For Test Site No: TH01-CB

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

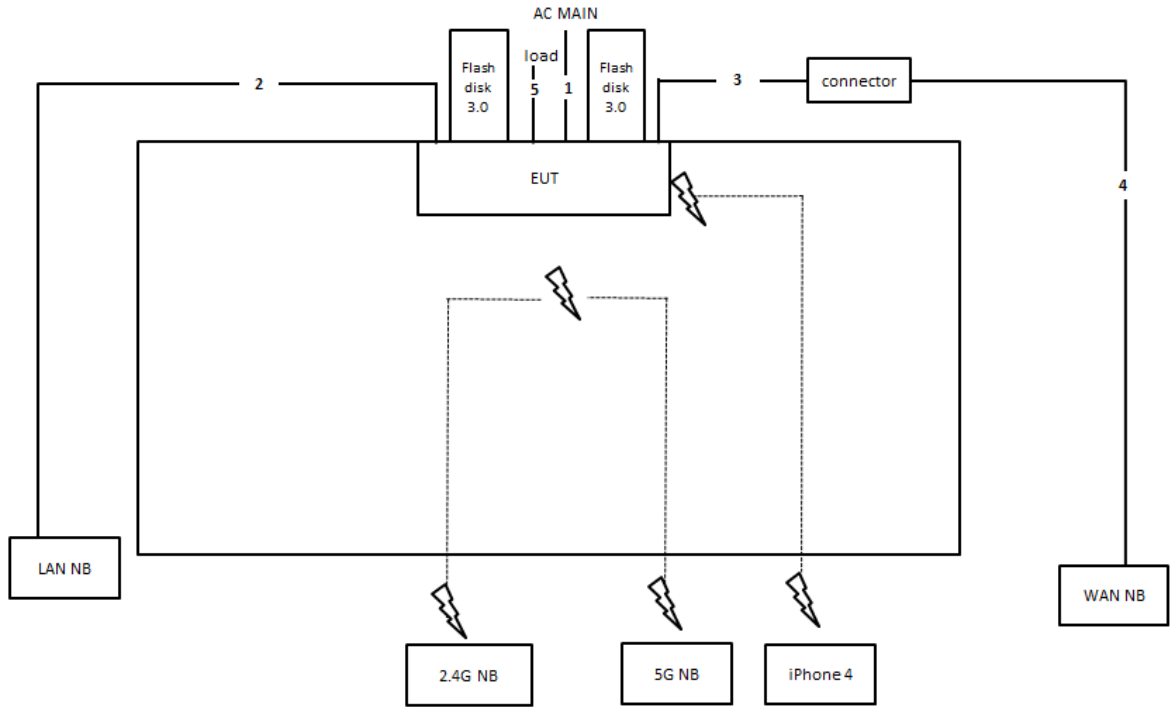
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



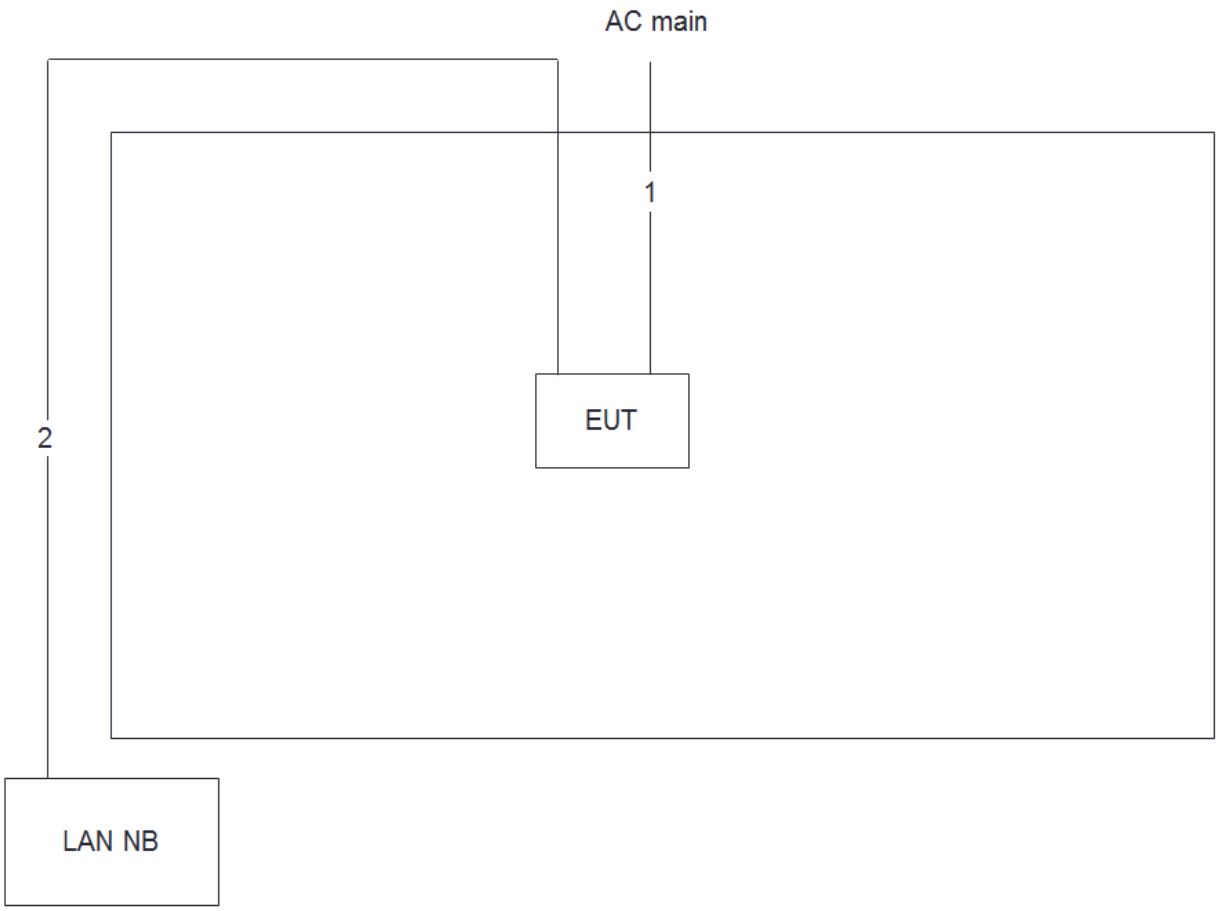
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable*2	No	1.5m
4	RJ-45 cable	No	1.8m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



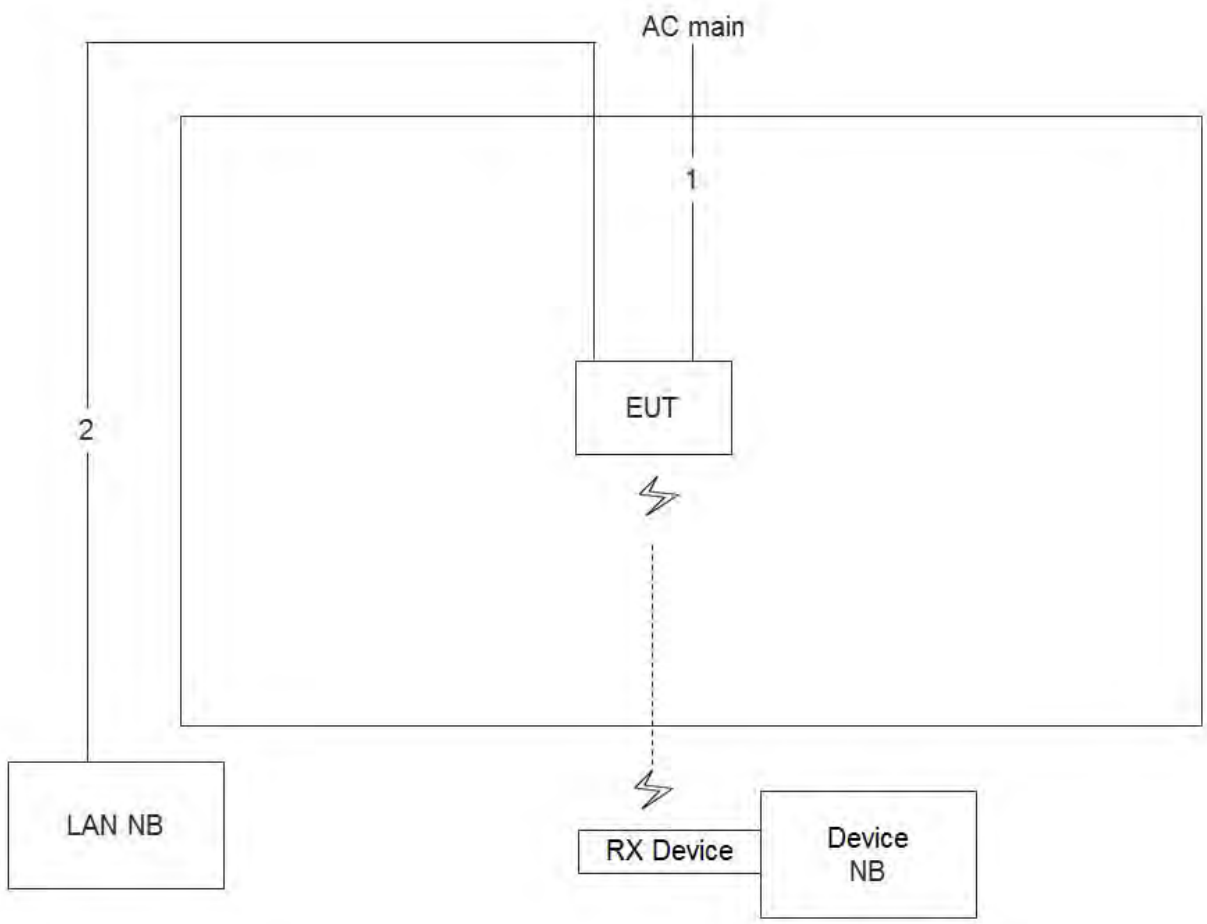
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.8m
4	RJ-45 cable	No	10m
5	RJ-45 cable*2	No	1m

Test Setup Diagram - Radiated Test > 1GHz / For Non-Beamforming Mode



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

Test Setup Diagram - Radiated Test > 1GHz / For Beamforming Mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

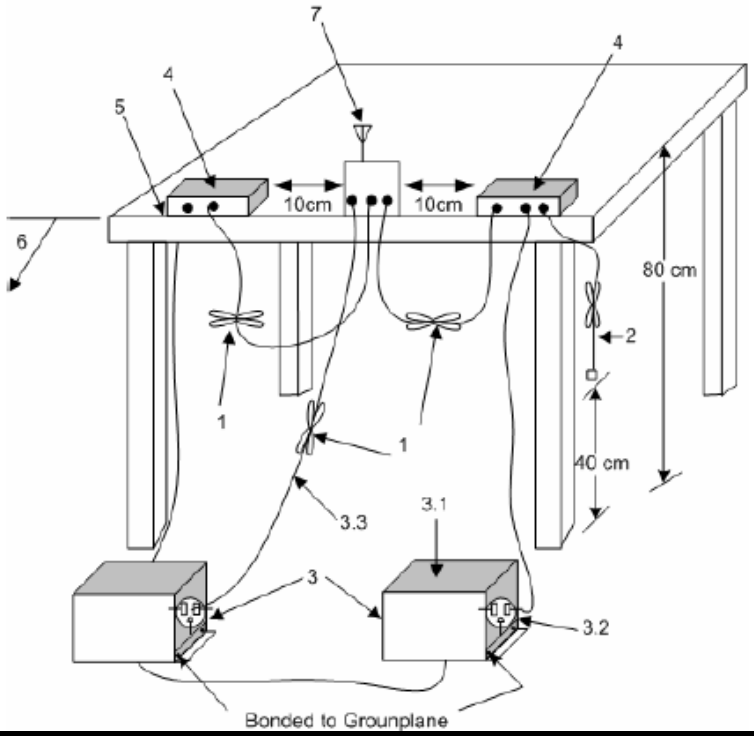
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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.

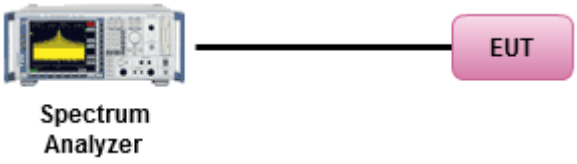
3.2.2 Measuring Instruments

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.	

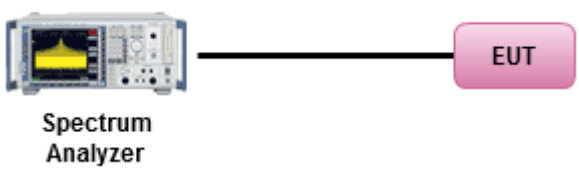
3.4.2 Measuring Instruments

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.

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.

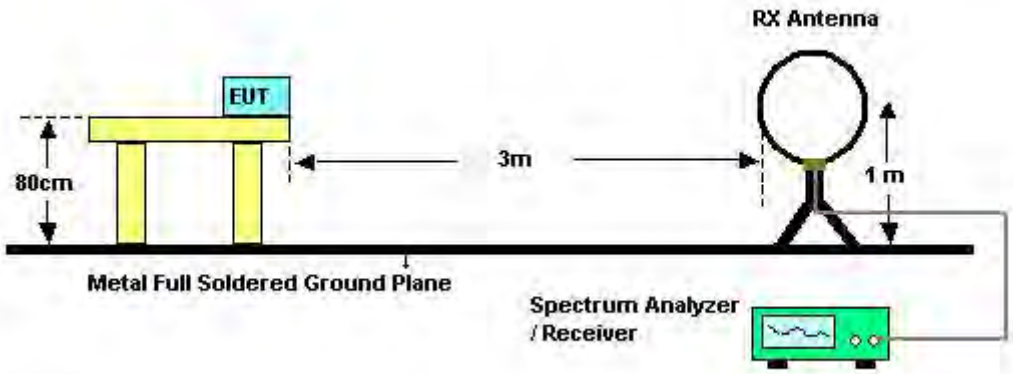
3.5.3 Test Procedures

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.		

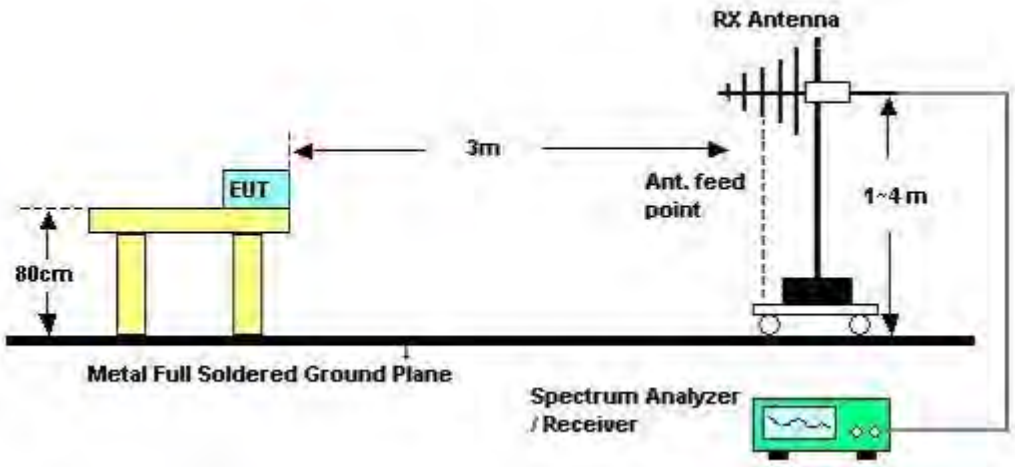
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

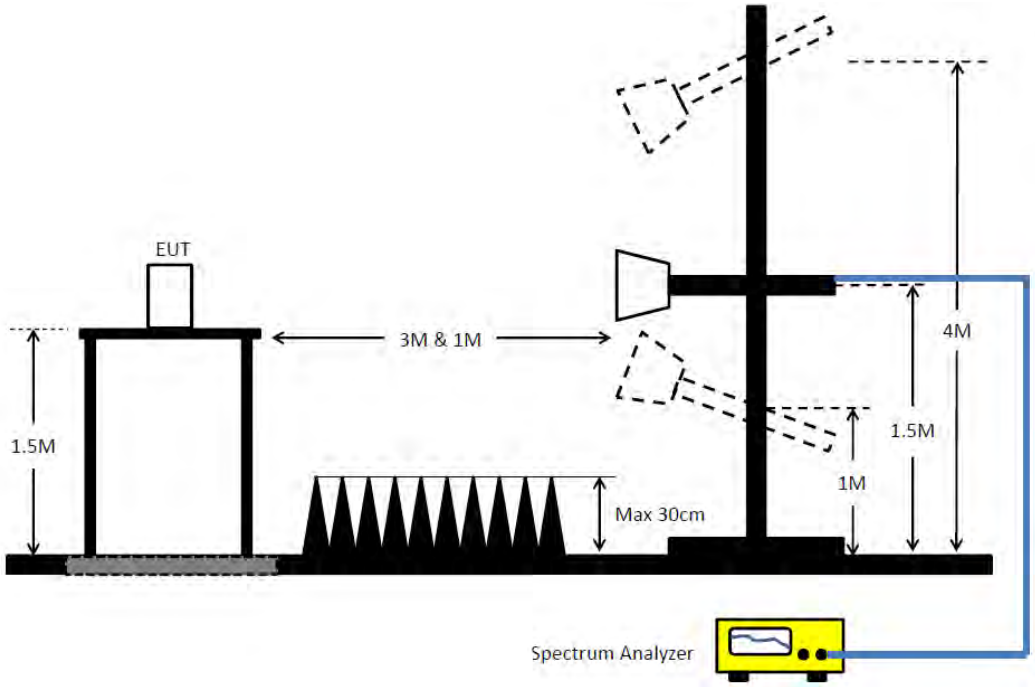
9kHz ~30MHz



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

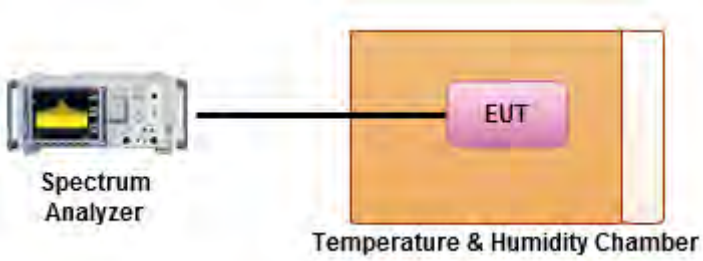
Refer a test equipment and calibration data table in this test report.

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	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 2016	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 24, 2016	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2016	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 25, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 18, 2016	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jun. 28, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 21, 2016	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 16, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Conducted (TH01-CB)

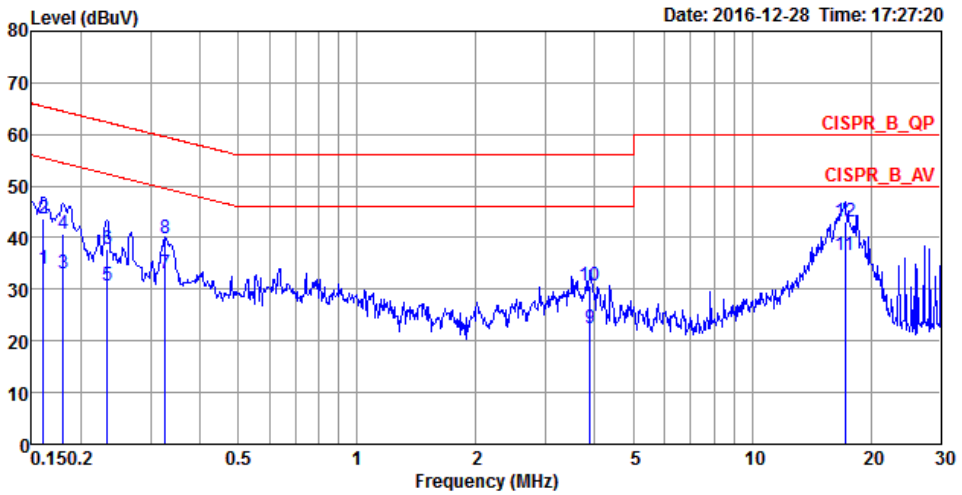
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 03, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410002	50MHz~18GHz	Nov. 22, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320014	50MHz~18GHz	Apr. 20, 2016	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY54320015	50MHz~18GHz	Apr. 20, 2016	Conducted (TH01-CB)

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

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

N.C.R means Non-Calibration required.

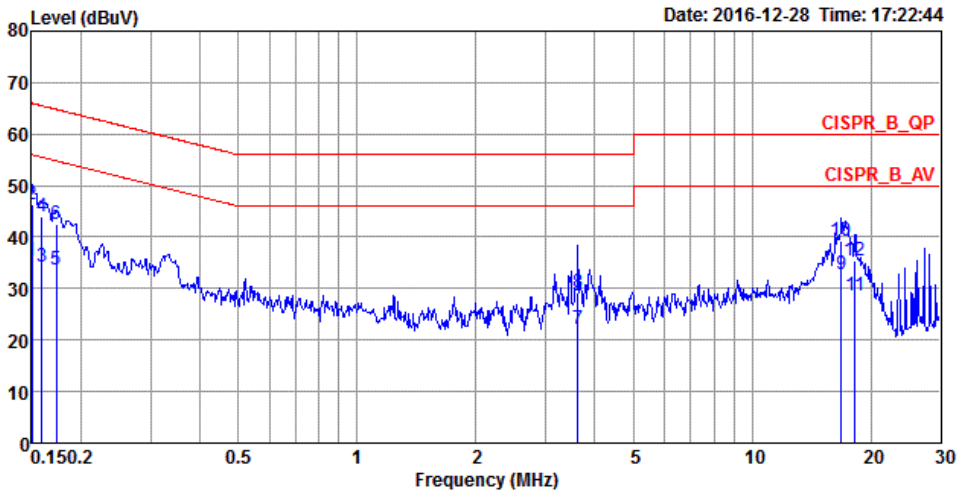
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	LISN Factor	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1607	34.07	-21.36	55.43	24.08	0.04	9.95	Average	NEUTRAL
2	0.1607	43.82	-21.61	65.43	33.83	0.04	9.95	QP	NEUTRAL
3	0.1806	32.94	-21.52	54.46	22.92	0.05	9.97	Average	NEUTRAL
4	0.1806	40.84	-23.62	64.46	30.82	0.05	9.97	QP	NEUTRAL
5	0.2329	30.62	-21.73	52.35	20.59	0.05	9.98	Average	NEUTRAL
6	0.2329	37.66	-24.69	62.35	27.63	0.05	9.98	QP	NEUTRAL
7	0.3268	33.15	-16.38	49.53	23.14	0.04	9.97	Average	NEUTRAL
8	0.3268	39.89	-19.64	59.53	29.88	0.04	9.97	QP	NEUTRAL
9	3.8808	22.50	-23.50	46.00	12.30	0.13	10.07	Average	NEUTRAL
10	3.8808	30.82	-25.18	56.00	20.62	0.13	10.07	QP	NEUTRAL
11	17.1994	36.54	-13.46	50.00	26.05	0.23	10.26	Average	NEUTRAL
12	17.1994	43.13	-16.87	60.00	32.64	0.23	10.26	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	Cable Loss	LISN Factor	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	35.31	-20.69	56.00	25.33	0.04	9.94	Average	LINE
2	0.1500	46.22	-19.78	66.00	36.24	0.04	9.94	QP	LINE
3	0.1590	34.29	-21.23	55.52	24.30	0.04	9.95	Average	LINE
4	0.1590	44.00	-21.52	65.52	34.01	0.04	9.95	QP	LINE
5	0.1731	33.53	-21.28	54.81	23.53	0.04	9.96	Average	LINE
6	0.1731	42.45	-22.36	64.81	32.45	0.04	9.96	QP	LINE
7	3.6225	22.13	-23.87	46.00	11.95	0.12	10.06	Average	LINE
8	3.6225	29.28	-26.72	56.00	19.10	0.12	10.06	QP	LINE
9	16.8387	32.87	-17.13	50.00	22.38	0.23	10.26	Average	LINE
10	16.8387	39.40	-20.60	60.00	28.91	0.23	10.26	QP	LINE
11	18.2316	28.74	-21.26	50.00	18.23	0.24	10.27	Average	LINE
12	18.2316	35.28	-24.72	60.00	24.77	0.24	10.27	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.)

For 802.11a/11ac VHT20/11ac VHT40/11ac VHT80 Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a-BF_Nss1_4TX	-	-	-	-	-
5.15-5.25GHz	19.95M	16.442M	16M4D1D	19.025M	16.392M
5.725-5.85GHz	16.35M	16.442M	16M4D1D	16.3M	16.392M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	20.75M	17.616M	17M6D1D	20.3M	17.591M
5.725-5.85GHz	17.575M	17.641M	17M6D1D	17.15M	17.591M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.1M	35.932M	35M9D1D	39.4M	35.882M
5.725-5.85GHz	35.3M	35.982M	36M0D1D	35.05M	35.882M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	83.6M	75.862M	75M9D1D	83.3M	75.662M
5.725-5.85GHz	76.3M	75.862M	75M9D1D	75.6M	75.662M
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	37.575M	18.191M	18M2D1D	29.775M	17.866M
5.725-5.85GHz	17.6M	18.316M	18M3D1D	17.55M	17.816M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	48.2M	36.482M	36M5D1D	43.15M	36.232M
5.725-5.85GHz	36.35M	36.482M	36M5D1D	36.3M	36.332M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	88.6M	76.162M	76M2D1D	86.4M	75.862M
5.725-5.85GHz	76.5M	76.162M	76M2D1D	75.6M	76.062M

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;

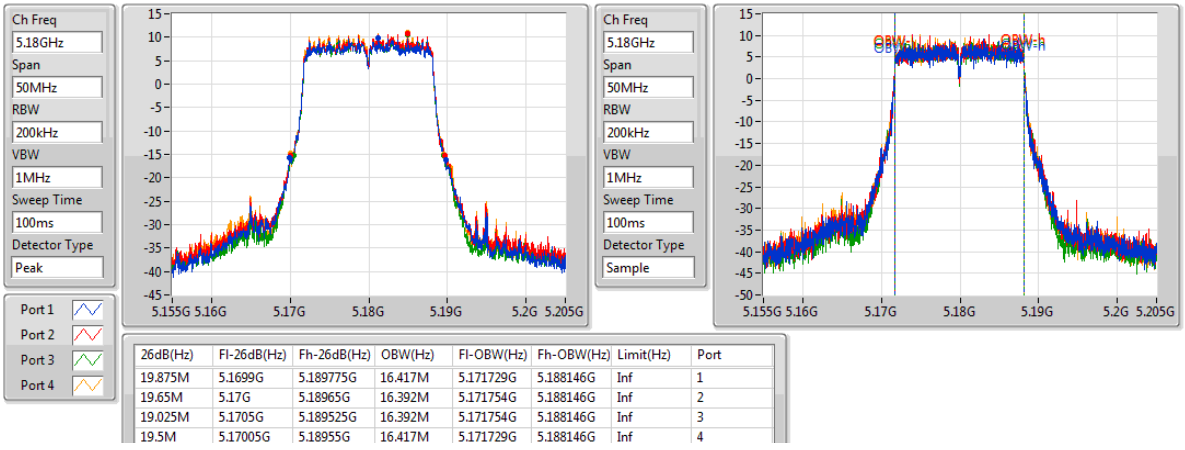
Result

Mode	Result	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a-BF_Nss1_4TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	19.875M	16.417M	19.65M	16.392M	19.025M	16.392M	19.5M	16.417M
5200MHz	Pass	19.825M	16.442M	19.575M	16.417M	19.25M	16.392M	19.55M	16.417M
5240MHz	Pass	19.95M	16.417M	19.55M	16.392M	19.025M	16.392M	19.85M	16.417M
5745MHz	Pass	16.325M	16.417M	16.3M	16.417M	16.35M	16.417M	16.325M	16.392M
5785MHz	Pass	16.325M	16.442M	16.3M	16.417M	16.3M	16.417M	16.325M	16.392M
5825MHz	Pass	16.325M	16.442M	16.3M	16.417M	16.3M	16.392M	16.325M	16.417M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	20.675M	17.616M	20.45M	17.591M	20.65M	17.591M	20.45M	17.591M
5200MHz	Pass	20.75M	17.616M	20.475M	17.591M	20.625M	17.591M	20.3M	17.591M
5240MHz	Pass	20.725M	17.616M	20.4M	17.591M	20.6M	17.591M	20.5M	17.591M
5745MHz	Pass	17.55M	17.616M	17.325M	17.591M	17.55M	17.591M	17.525M	17.591M
5785MHz	Pass	17.55M	17.616M	17.15M	17.591M	17.175M	17.641M	17.525M	17.591M
5825MHz	Pass	17.2M	17.616M	17.55M	17.641M	17.55M	17.616M	17.575M	17.591M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	40.1M	35.932M	39.95M	35.882M	39.8M	35.932M	39.4M	35.932M
5230MHz	Pass	40.1M	35.932M	40.05M	35.932M	39.85M	35.932M	39.4M	35.932M
5755MHz	Pass	35.1M	35.932M	35.1M	35.882M	35.05M	35.932M	35.1M	35.882M
5795MHz	Pass	35.05M	35.932M	35.3M	35.932M	35.05M	35.982M	35.3M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	83.4M	75.862M	83.6M	75.862M	83.6M	75.662M	83.3M	75.662M
5775MHz	Pass	75.6M	75.762M	76.3M	75.862M	76.3M	75.662M	76.3M	75.762M
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	30.975M	17.966M	34.05M	17.916M	29.775M	17.866M	31.025M	17.891M
5200MHz	Pass	33.025M	18.066M	34.025M	17.941M	29.925M	17.891M	30.95M	17.891M
5240MHz	Pass	37.575M	18.191M	35.5M	18.041M	35.075M	17.991M	36M	17.966M
5745MHz	Pass	17.6M	18.041M	17.575M	17.816M	17.6M	17.816M	17.55M	17.966M
5785MHz	Pass	17.6M	17.941M	17.55M	17.841M	17.6M	17.891M	17.55M	18.041M
5825MHz	Pass	17.575M	18.016M	17.575M	17.941M	17.575M	17.991M	17.6M	18.316M
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	45.25M	36.282M	43.15M	36.332M	43.45M	36.382M	43.3M	36.232M
5230MHz	Pass	48.2M	36.332M	43.45M	36.332M	44.2M	36.482M	43.9M	36.282M
5755MHz	Pass	36.35M	36.432M	36.35M	36.382M	36.35M	36.432M	36.3M	36.332M
5795MHz	Pass	36.35M	36.382M	36.35M	36.382M	36.35M	36.382M	36.35M	36.482M
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	88.6M	75.962M	87.4M	76.162M	87M	75.862M	86.4M	76.162M
5775MHz	Pass	76.3M	76.062M	76.1M	76.162M	75.6M	76.062M	76.5M	76.062M

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-BF_Nss1_4TX EBW

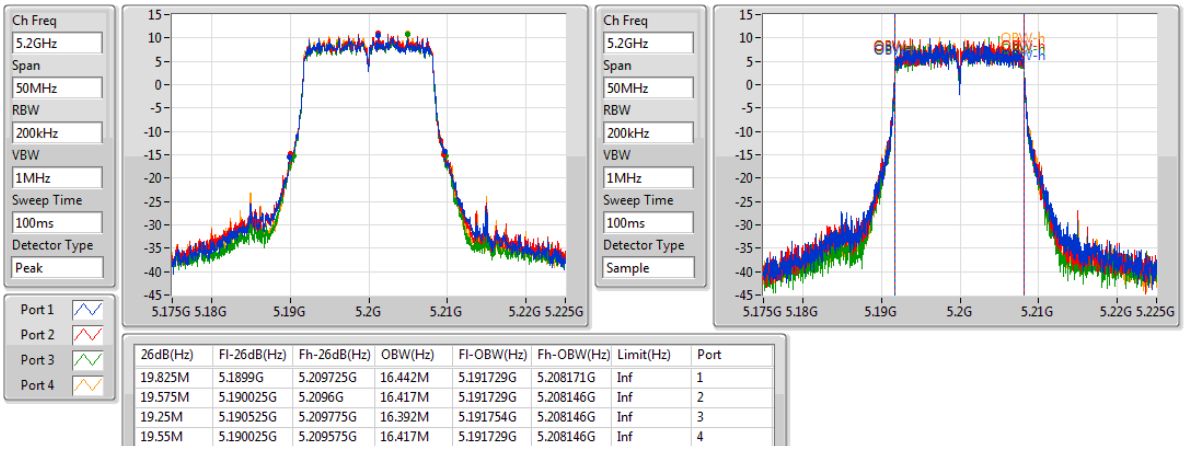
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.875M	5.1699G	5.189775G	16.417M	5.171729G	5.188146G	Inf	1
19.65M	5.17G	5.18965G	16.392M	5.171754G	5.188146G	Inf	2
19.025M	5.1705G	5.189525G	16.392M	5.171754G	5.188146G	Inf	3
19.5M	5.17005G	5.18955G	16.417M	5.171729G	5.188146G	Inf	4

802.11a-BF_Nss1_4TX EBW

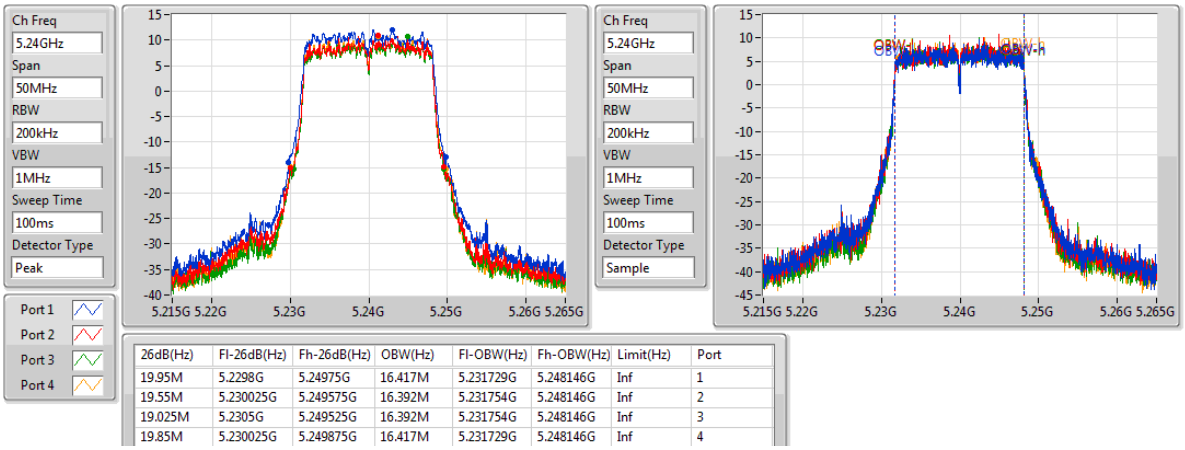
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.825M	5.1899G	5.209725G	16.442M	5.191729G	5.208171G	Inf	1
19.575M	5.190025G	5.2096G	16.417M	5.191729G	5.208146G	Inf	2
19.25M	5.190525G	5.209775G	16.392M	5.191754G	5.208146G	Inf	3
19.55M	5.190025G	5.209575G	16.417M	5.191729G	5.208146G	Inf	4

802.11a-BF_Nss1_4TX EBW

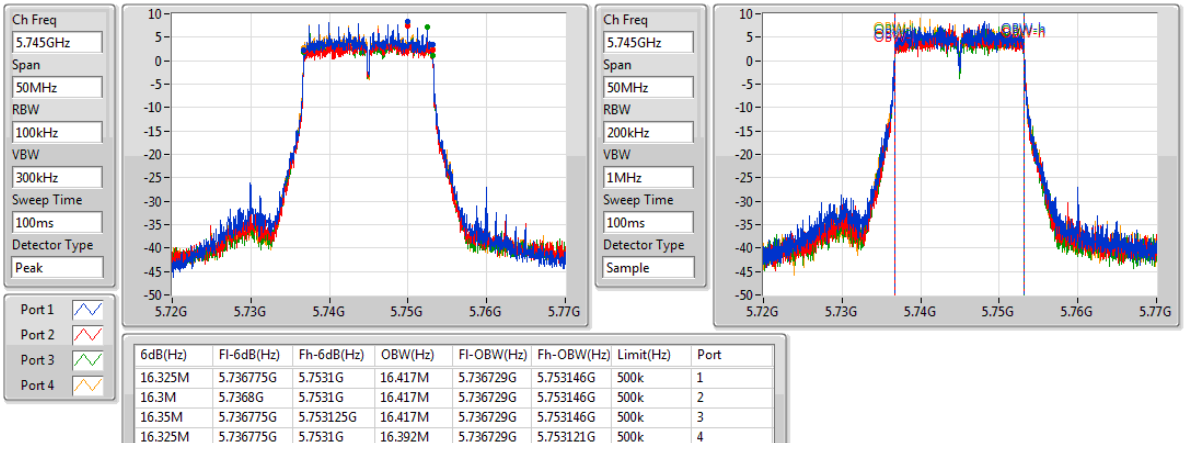
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.95M	5.2298G	5.24975G	16.417M	5.231729G	5.248146G	Inf	1
19.55M	5.230025G	5.249575G	16.392M	5.231754G	5.248146G	Inf	2
19.025M	5.2305G	5.249525G	16.392M	5.231754G	5.248146G	Inf	3
19.85M	5.230025G	5.249875G	16.417M	5.231729G	5.248146G	Inf	4

802.11a-BF_Nss1_4TX **EBW**

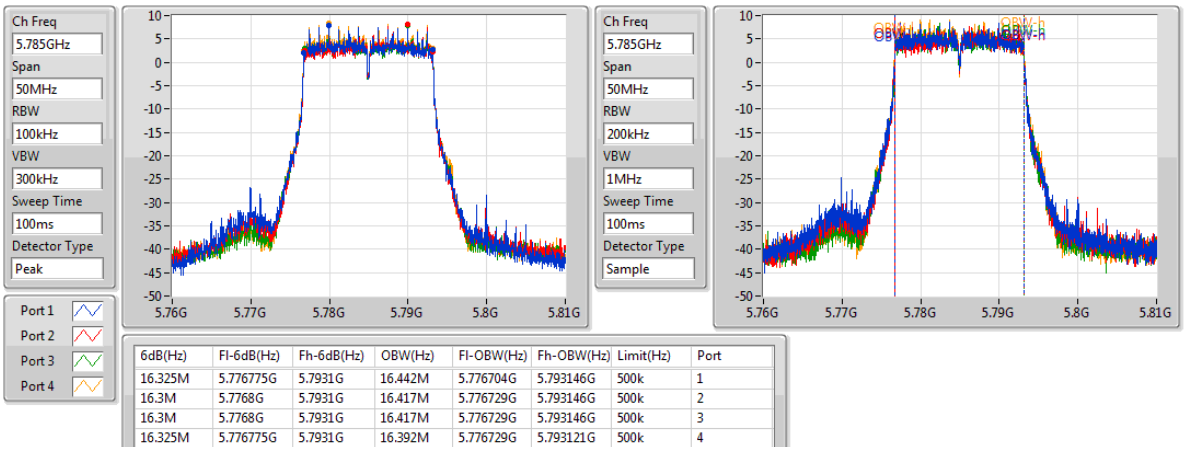
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.736775G	5.7531G	16.417M	5.736729G	5.753146G	500k	1
16.3M	5.7368G	5.7531G	16.417M	5.736729G	5.753146G	500k	2
16.35M	5.736775G	5.753125G	16.417M	5.736729G	5.753146G	500k	3
16.325M	5.736775G	5.7531G	16.392M	5.736729G	5.753121G	500k	4

802.11a-BF_Nss1_4TX **EBW**

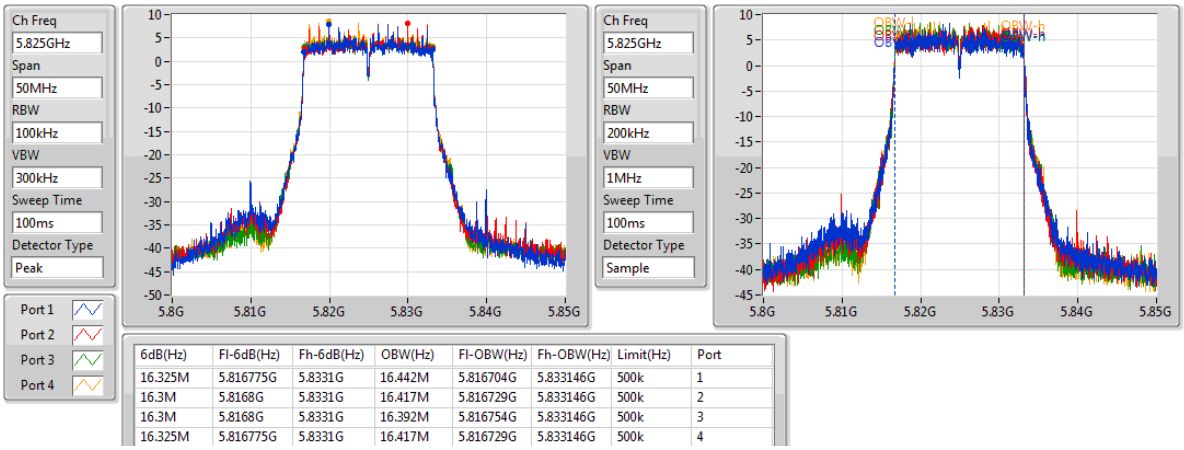
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.776775G	5.7931G	16.442M	5.776704G	5.793146G	500k	1
16.3M	5.7768G	5.7931G	16.417M	5.776729G	5.793146G	500k	2
16.3M	5.7768G	5.7931G	16.417M	5.776729G	5.793146G	500k	3
16.325M	5.776775G	5.7931G	16.392M	5.776729G	5.793121G	500k	4

802.11a-BF_Nss1_4TX **EBW**

5825MHz

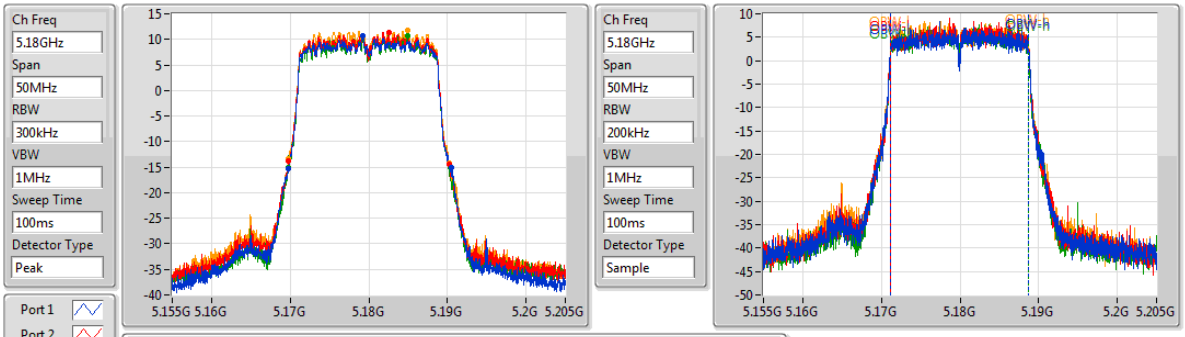


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.816775G	5.8331G	16.442M	5.816704G	5.833146G	500k	1
16.3M	5.8168G	5.8331G	16.417M	5.816729G	5.833146G	500k	2
16.3M	5.8168G	5.8331G	16.392M	5.816754G	5.833146G	500k	3
16.325M	5.816775G	5.8331G	16.417M	5.816729G	5.833146G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

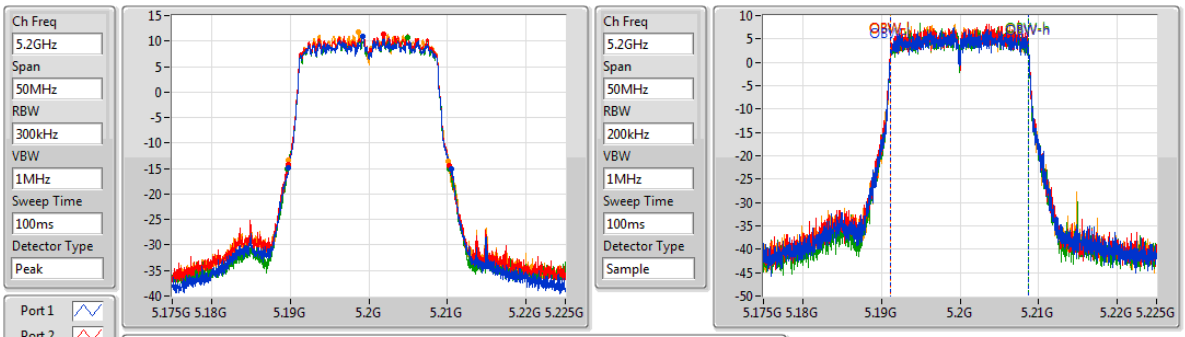


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.675M	5.1698G	5.190475G	17.616M	5.171129G	5.188746G	Inf	1
20.45M	5.169775G	5.190225G	17.591M	5.171154G	5.188746G	Inf	2
20.65M	5.1697G	5.19035G	17.591M	5.171154G	5.188746G	Inf	3
20.45M	5.169775G	5.190225G	17.591M	5.171154G	5.188746G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

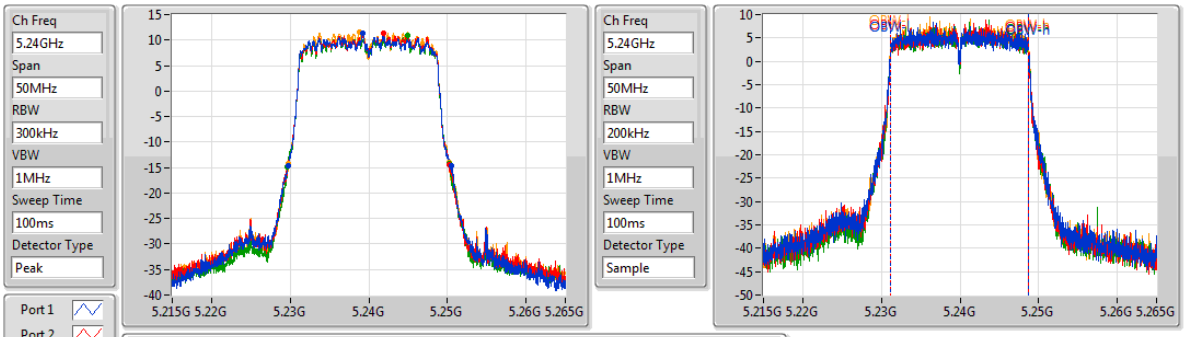


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.75M	5.189825G	5.210575G	17.616M	5.191129G	5.208746G	Inf	1
20.475M	5.18975G	5.210225G	17.591M	5.191154G	5.208746G	Inf	2
20.625M	5.189675G	5.2103G	17.591M	5.191154G	5.208746G	Inf	3
20.3M	5.1898G	5.2101G	17.591M	5.191154G	5.208746G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

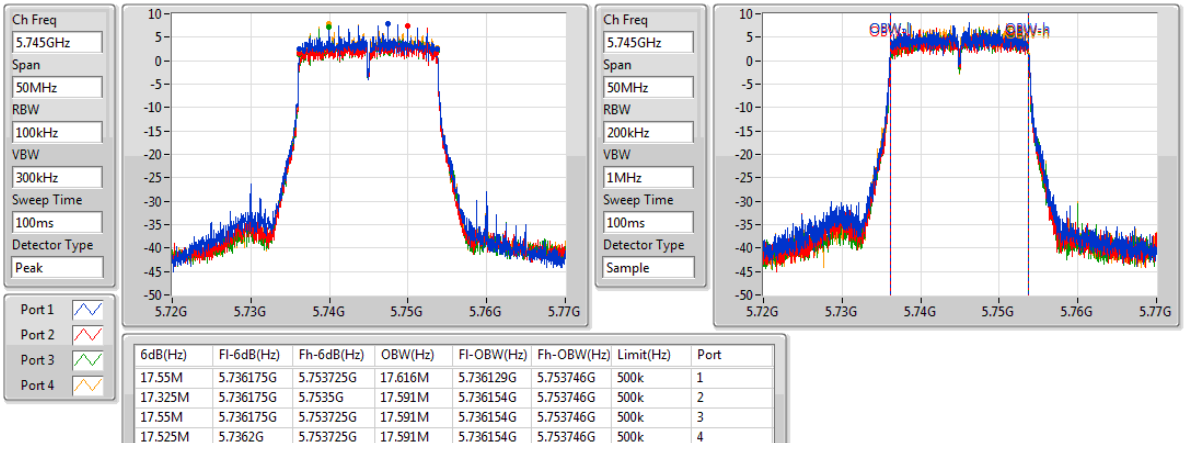
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.725M	5.2298G	5.250525G	17.616M	5.231129G	5.248746G	Inf	1
20.4M	5.2298G	5.2502G	17.591M	5.231154G	5.248746G	Inf	2
20.6M	5.229675G	5.250275G	17.591M	5.231154G	5.248746G	Inf	3
20.5M	5.229725G	5.250225G	17.591M	5.231154G	5.248746G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

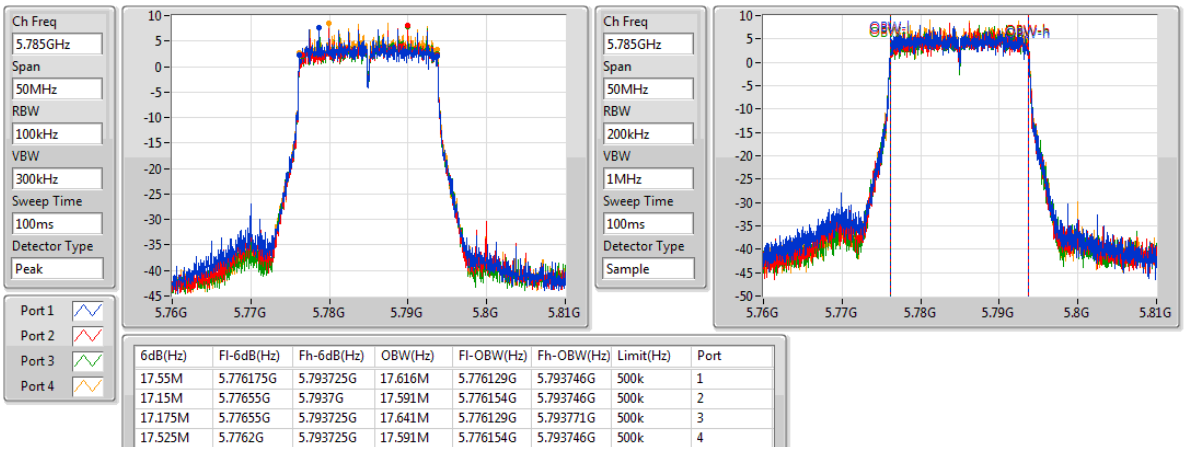
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7361175G	5.753725G	17.616M	5.736129G	5.753746G	500k	1
17.325M	5.7361175G	5.7535G	17.591M	5.736154G	5.753746G	500k	2
17.55M	5.7361175G	5.753725G	17.591M	5.736154G	5.753746G	500k	3
17.525M	5.7362G	5.753725G	17.591M	5.736154G	5.753746G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

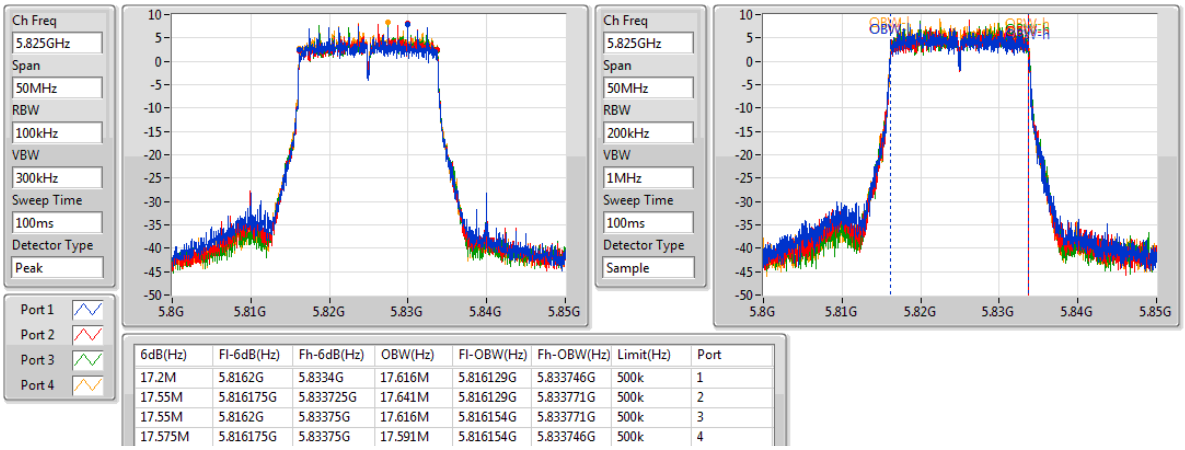
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.776175G	5.793725G	17.616M	5.776129G	5.793746G	500k	1
17.15M	5.77655G	5.7937G	17.591M	5.776154G	5.793746G	500k	2
17.175M	5.77655G	5.793725G	17.641M	5.776129G	5.793771G	500k	3
17.525M	5.7762G	5.793725G	17.591M	5.776154G	5.793746G	500k	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX EBW

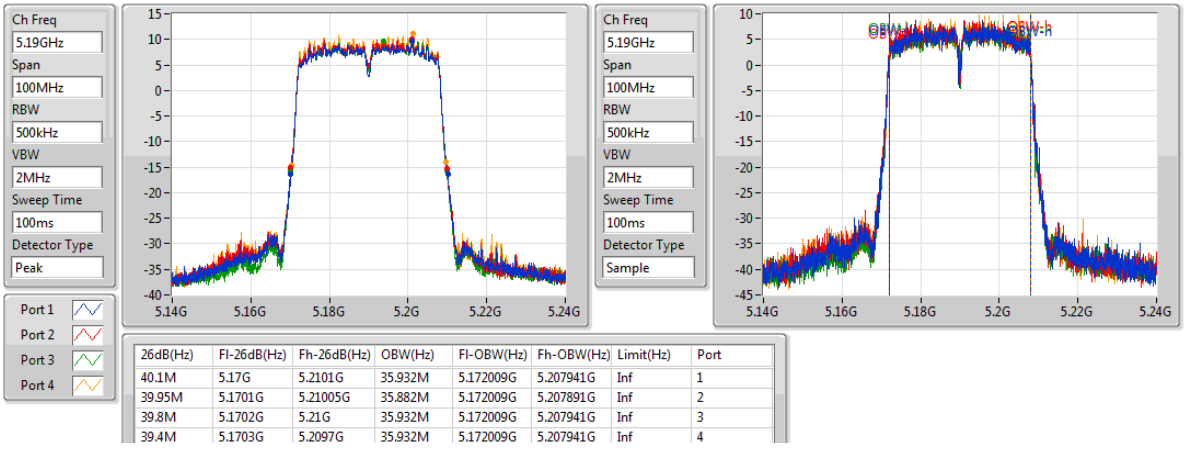
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.2M	5.8162G	5.8334G	17.616M	5.816129G	5.833746G	500k	1
17.55M	5.8161175G	5.833725G	17.641M	5.816129G	5.833771G	500k	2
17.55M	5.8162G	5.83375G	17.616M	5.816154G	5.833771G	500k	3
17.575M	5.8161175G	5.83375G	17.591M	5.816154G	5.833746G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

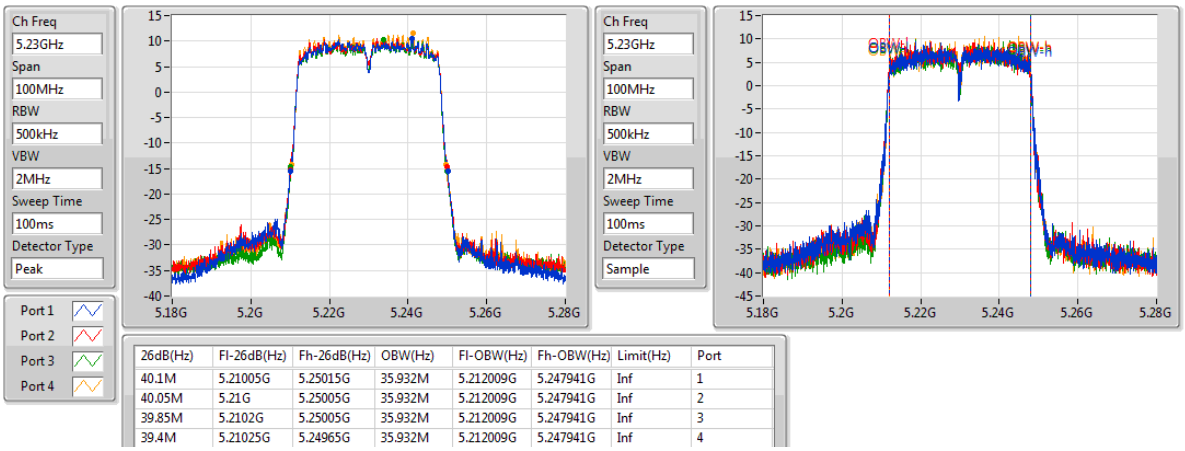
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.17G	5.2101G	35.932M	5.172009G	5.207941G	Inf	1
39.95M	5.1701G	5.21005G	35.882M	5.172009G	5.207891G	Inf	2
39.8M	5.1702G	5.21G	35.932M	5.172009G	5.207941G	Inf	3
39.4M	5.1703G	5.2097G	35.932M	5.172009G	5.207941G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

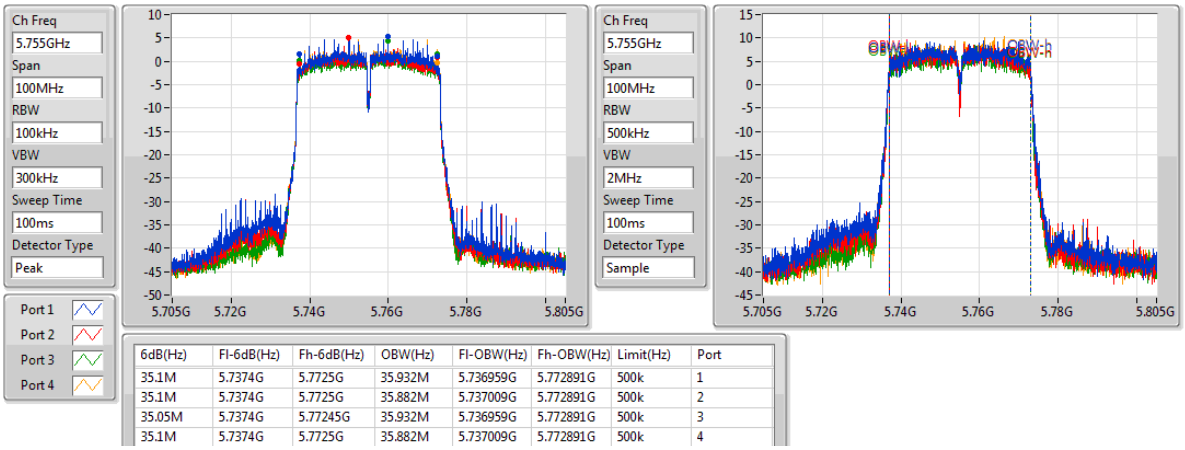
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.21005G	5.25015G	35.932M	5.212009G	5.247941G	Inf	1
40.05M	5.21G	5.25005G	35.932M	5.212009G	5.247941G	Inf	2
39.85M	5.2102G	5.25005G	35.932M	5.212009G	5.247941G	Inf	3
39.4M	5.21025G	5.24965G	35.932M	5.212009G	5.247941G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX EBW

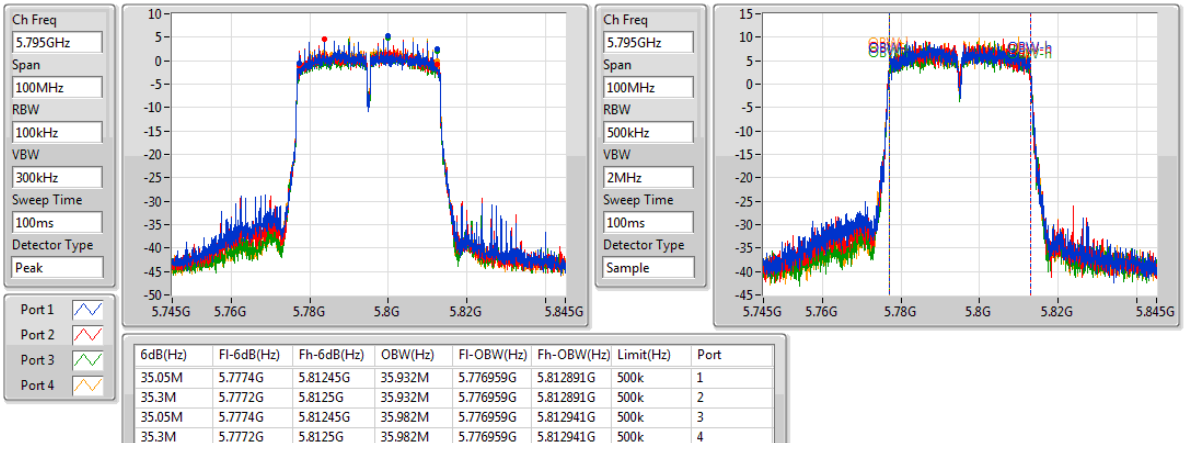
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.7374G	5.7725G	35.932M	5.736959G	5.772891G	500k	1
35.1M	5.7374G	5.7725G	35.882M	5.737009G	5.772891G	500k	2
35.05M	5.7374G	5.77245G	35.932M	5.736959G	5.772891G	500k	3
35.1M	5.7374G	5.7725G	35.882M	5.737009G	5.772891G	500k	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX **EBW**

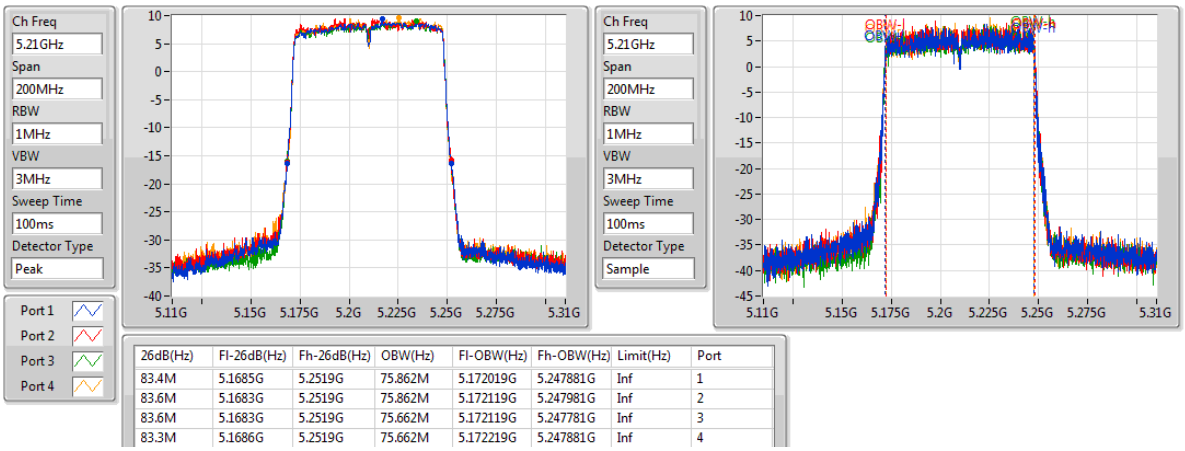
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	5.7774G	5.81245G	35.932M	5.776959G	5.812891G	500k	1
35.3M	5.7772G	5.8125G	35.932M	5.776959G	5.812891G	500k	2
35.05M	5.7774G	5.81245G	35.982M	5.776959G	5.812941G	500k	3
35.3M	5.7772G	5.8125G	35.982M	5.776959G	5.812941G	500k	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX **EBW**

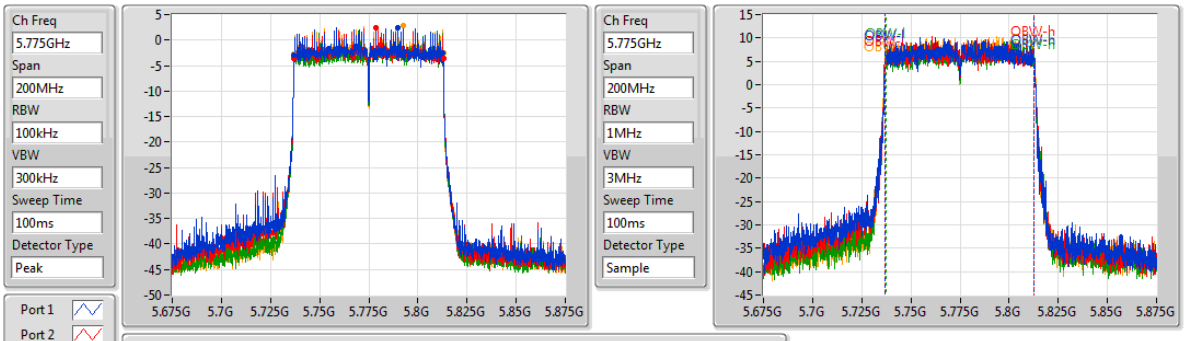
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.1685G	5.2519G	75.862M	5.172019G	5.247881G	Inf	1
83.6M	5.1683G	5.2519G	75.862M	5.172119G	5.247981G	Inf	2
83.6M	5.1683G	5.2519G	75.662M	5.172119G	5.247781G	Inf	3
83.3M	5.1686G	5.2519G	75.662M	5.172219G	5.247881G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX **EBW**

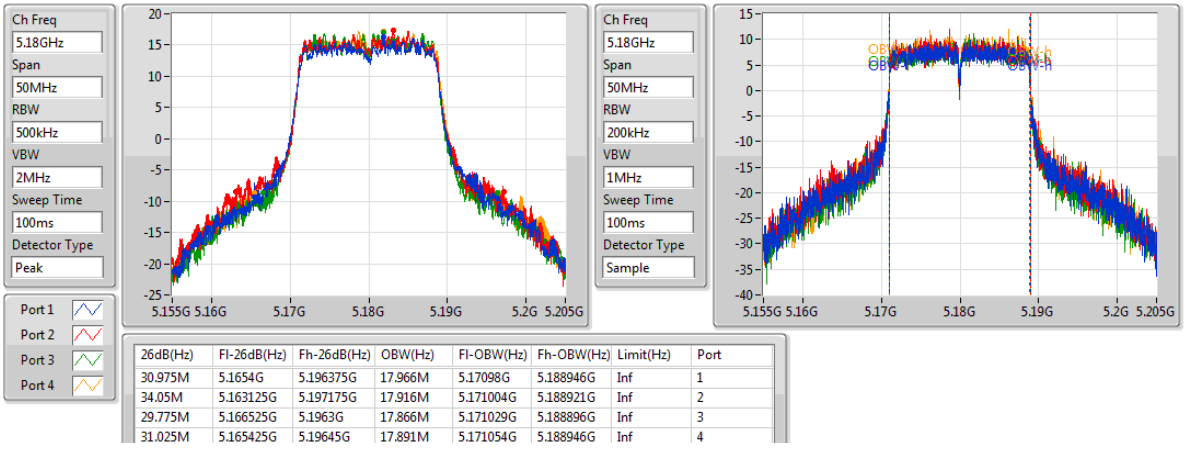
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.6M	5.7368G	5.8124G	75.762M	5.737019G	5.812781G	500k	1
76.3M	5.7368G	5.8131G	75.862M	5.736919G	5.812781G	500k	2
76.3M	5.7368G	5.8131G	75.662M	5.737119G	5.812781G	500k	3
76.3M	5.7368G	5.8131G	75.762M	5.737019G	5.812781G	500k	4

802.11ac VHT20-BF_Nss2,(MCS0)_4TX EBW

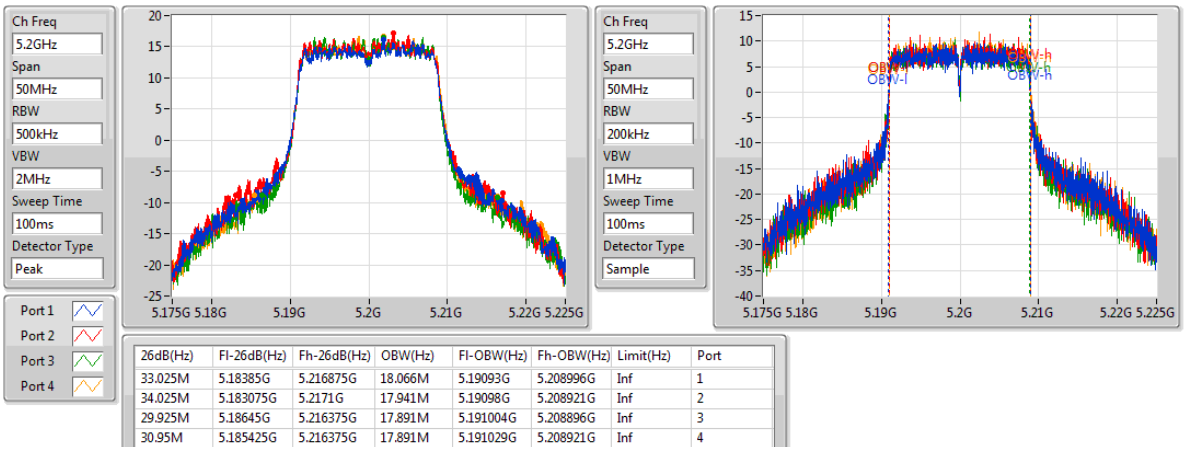
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.975M	5.1654G	5.196375G	17.966M	5.17098G	5.188946G	Inf	1
34.05M	5.163125G	5.197175G	17.916M	5.171004G	5.188921G	Inf	2
29.775M	5.166525G	5.1963G	17.866M	5.171029G	5.188896G	Inf	3
31.025M	5.165425G	5.19645G	17.891M	5.171054G	5.188946G	Inf	4

802.11ac VHT20-BF_Nss2,(MCS0)_4TX EBW

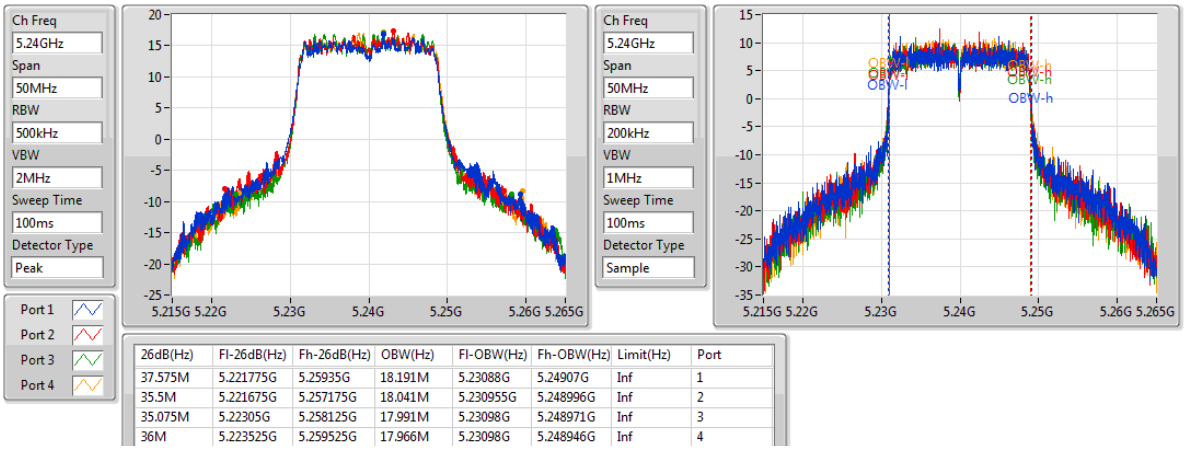
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.025M	5.18385G	5.216875G	18.066M	5.19093G	5.208996G	Inf	1
34.025M	5.183075G	5.2171G	17.941M	5.19098G	5.208921G	Inf	2
29.925M	5.18645G	5.216375G	17.891M	5.191004G	5.208896G	Inf	3
30.95M	5.185425G	5.216375G	17.891M	5.191029G	5.208921G	Inf	4

802.11ac VHT20-BF_Nss2,(MCS0)_4TX EBW

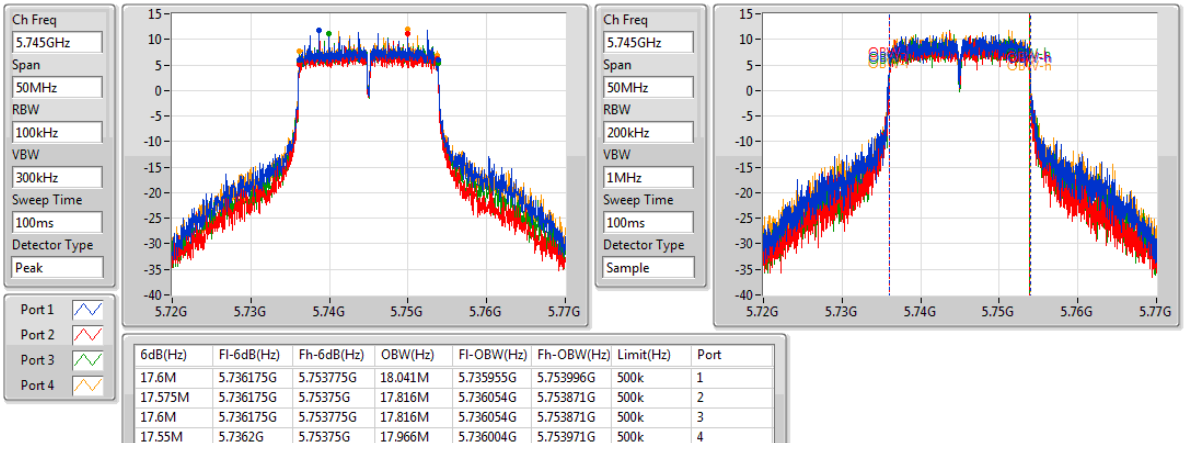
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.575M	5.221775G	5.25935G	18.191M	5.23088G	5.24907G	Inf	1
35.5M	5.221675G	5.257175G	18.041M	5.230955G	5.248996G	Inf	2
35.075M	5.22305G	5.258125G	17.991M	5.23098G	5.248971G	Inf	3
36M	5.223525G	5.259525G	17.966M	5.23098G	5.248946G	Inf	4

802.11ac VHT20-BF_Nss2,(MCS0)_4TX EBW

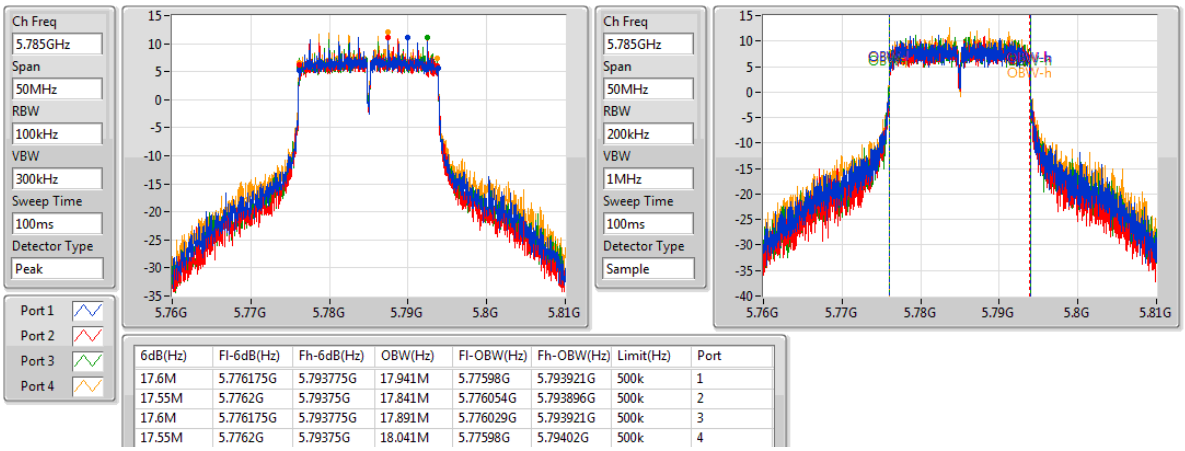
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.736175G	5.753775G	18.041M	5.735955G	5.753996G	500k	1
17.575M	5.736175G	5.75375G	17.816M	5.736054G	5.753871G	500k	2
17.6M	5.736175G	5.753775G	17.816M	5.736054G	5.753871G	500k	3
17.55M	5.7362G	5.75375G	17.966M	5.736004G	5.753971G	500k	4

802.11ac VHT20-BF_Nss2,(MCS0)_4TX EBW

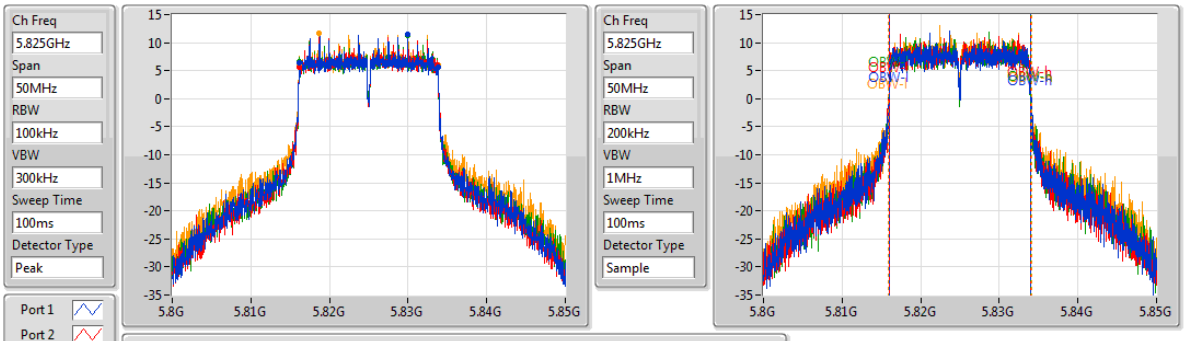
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.776175G	5.793775G	17.941M	5.77598G	5.793921G	500k	1
17.55M	5.7762G	5.79375G	17.841M	5.776054G	5.793896G	500k	2
17.6M	5.776175G	5.793775G	17.891M	5.776029G	5.793921G	500k	3
17.55M	5.7762G	5.79375G	18.041M	5.77598G	5.79402G	500k	4

802.11ac VHT20-BF_Nss2,(MCS0)_4TX EBW

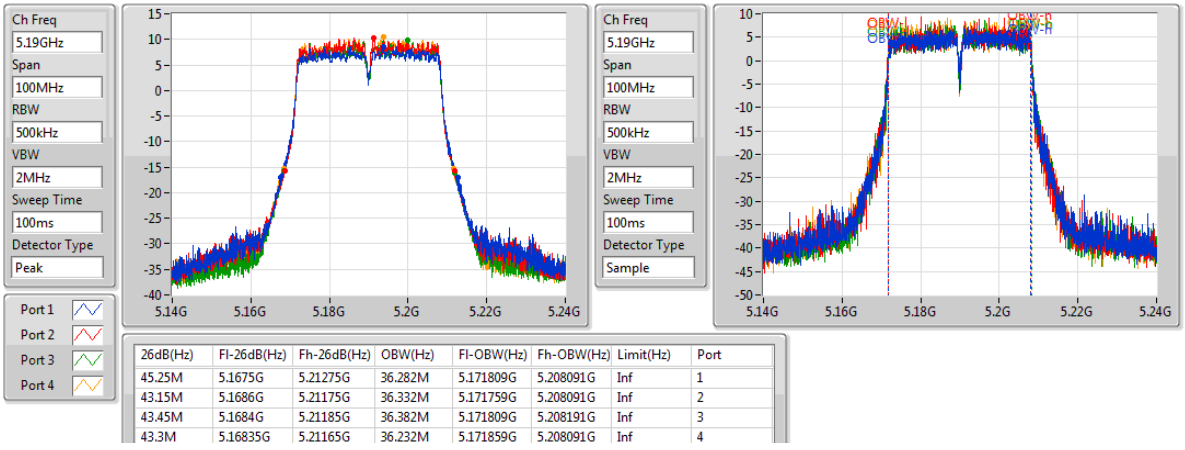
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.8162G	5.833775G	18.016M	5.81598G	5.833996G	500k	1
17.575M	5.8161175G	5.83375G	17.941M	5.816004G	5.833946G	500k	2
17.575M	5.8162G	5.833775G	17.991M	5.81598G	5.833971G	500k	3
17.6M	5.8161175G	5.833775G	18.316M	5.815855G	5.83417G	500k	4

802.11ac VHT40-BF_Nss2,(MCS0)_4TX EBW

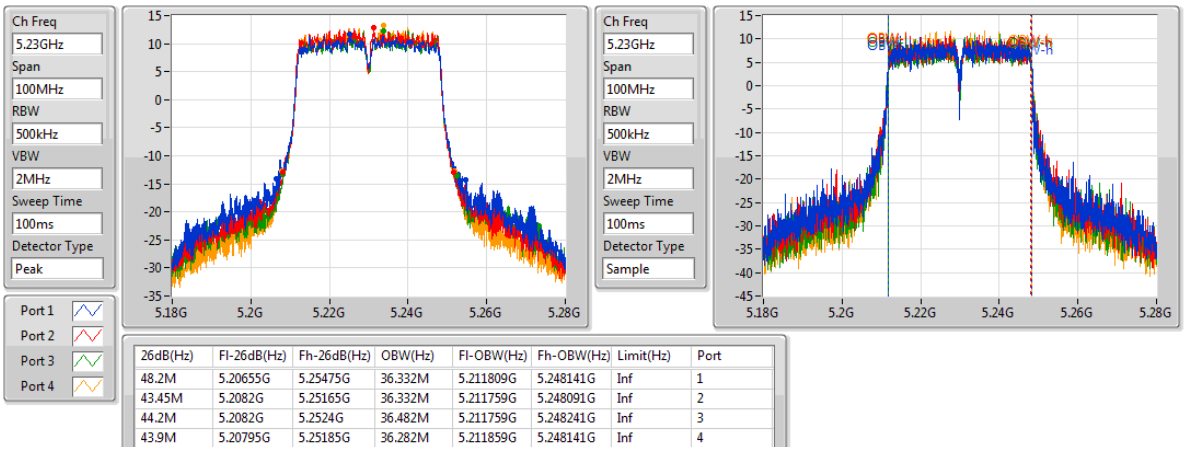
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.25M	5.1675G	5.21275G	36.282M	5.171809G	5.208091G	Inf	1
43.15M	5.1686G	5.21175G	36.332M	5.171759G	5.208091G	Inf	2
43.45M	5.1684G	5.21185G	36.382M	5.171809G	5.208191G	Inf	3
43.3M	5.16835G	5.21165G	36.232M	5.171859G	5.208091G	Inf	4

802.11ac VHT40-BF_Nss2,(MCS0)_4TX EBW

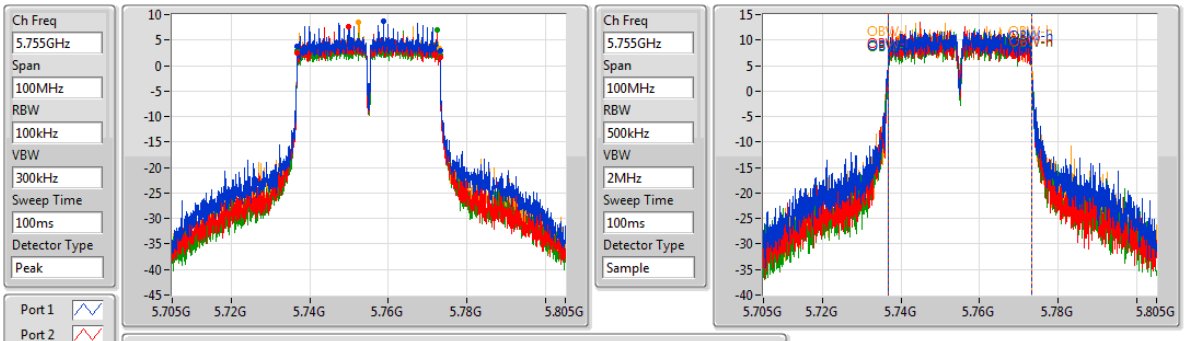
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.2M	5.20655G	5.25475G	36.332M	5.211809G	5.248141G	Inf	1
43.45M	5.2082G	5.25165G	36.332M	5.211759G	5.248091G	Inf	2
44.2M	5.2082G	5.2524G	36.482M	5.211759G	5.248241G	Inf	3
43.9M	5.20795G	5.25185G	36.282M	5.211859G	5.248141G	Inf	4

802.11ac VHT40-BF_Nss2,(MCS0)_4TX EBW

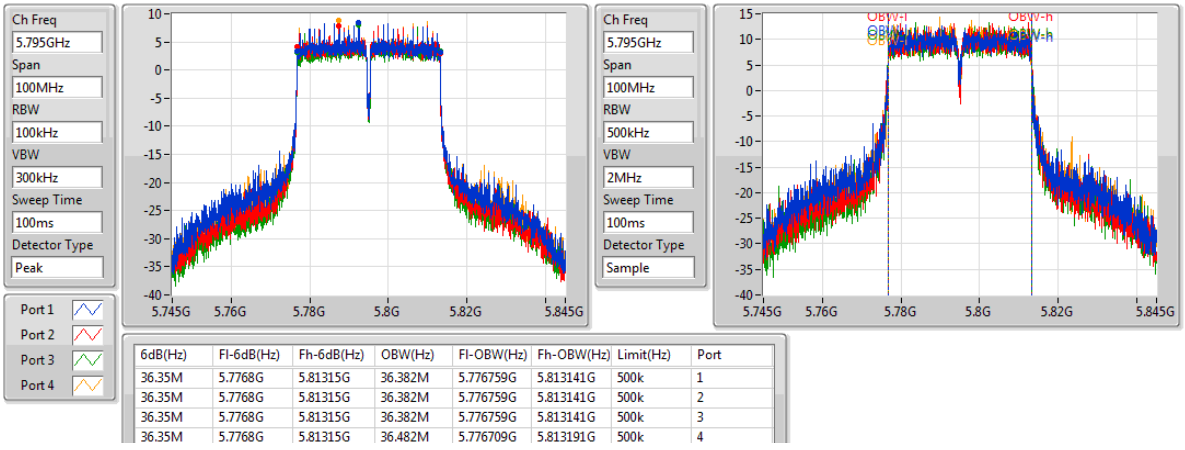
5755MHz



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	36.432M	5.736709G	5.773141G	500k	1
36.35M	5.7368G	5.77315G	36.382M	5.736759G	5.773141G	500k	2
36.35M	5.7368G	5.77315G	36.432M	5.736759G	5.773191G	500k	3
36.3M	5.7368G	5.7731G	36.332M	5.736809G	5.773141G	500k	4

802.11ac VHT40-BF_Nss2,(MCS0)_4TX EBW

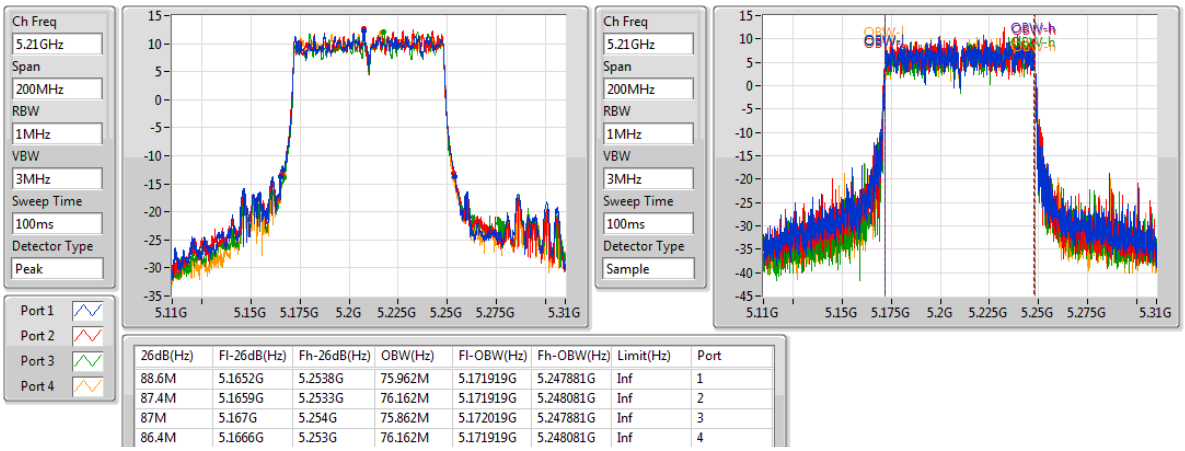
5795MHz



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	36.382M	5.776759G	5.813141G	500k	2
36.35M	5.7768G	5.81315G	36.382M	5.776759G	5.813141G	500k	3
36.35M	5.7768G	5.81315G	36.482M	5.776709G	5.813191G	500k	4

802.11ac VHT80-BF_Nss2,(MCS0)_4TX EBW

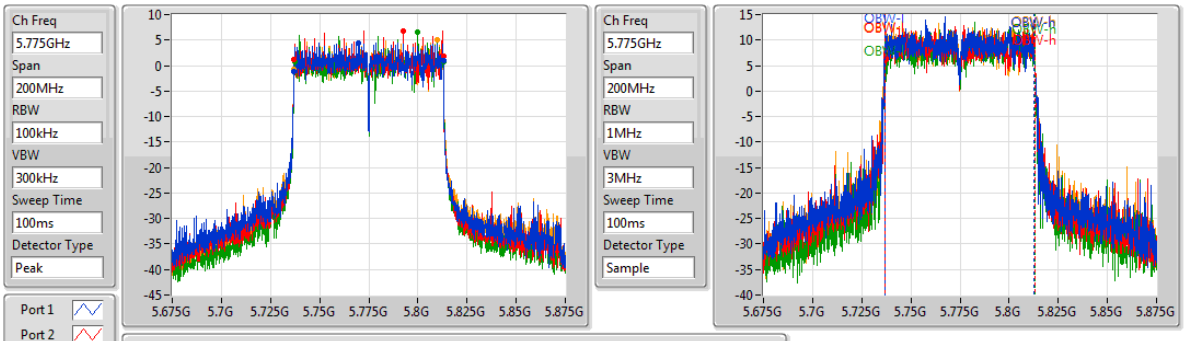
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.6M	5.1652G	5.2538G	75.962M	5.171919G	5.247881G	Inf	1
87.4M	5.1659G	5.2533G	76.162M	5.171919G	5.248081G	Inf	2
87M	5.167G	5.254G	75.862M	5.172019G	5.247881G	Inf	3
86.4M	5.1666G	5.253G	76.162M	5.171919G	5.248081G	Inf	4

802.11ac VHT80-BF_Nss2,(MCS0)_4TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.3M	5.7368G	5.8131G	76.062M	5.736819G	5.812881G	500k	1
76.1M	5.7368G	5.8129G	76.162M	5.736819G	5.812981G	500k	2
75.6M	5.7375G	5.8131G	76.062M	5.737019G	5.813081G	500k	3
76.5M	5.7367G	5.8132G	76.062M	5.736919G	5.812981G	500k	4

For 802.11 VHT80+80 Mode
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	83.8M	75.862M	75M9D1D	82M	75.762M
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.725-5.85GHz	73.6M	75.762M	75M8D1D	67.2M	75.562M
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	84.2M	75.862M	75M9D1D	83.6M	75.862M
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-
5.725-5.85GHz	73M	75.962M	76M0D1D	16.3M	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;

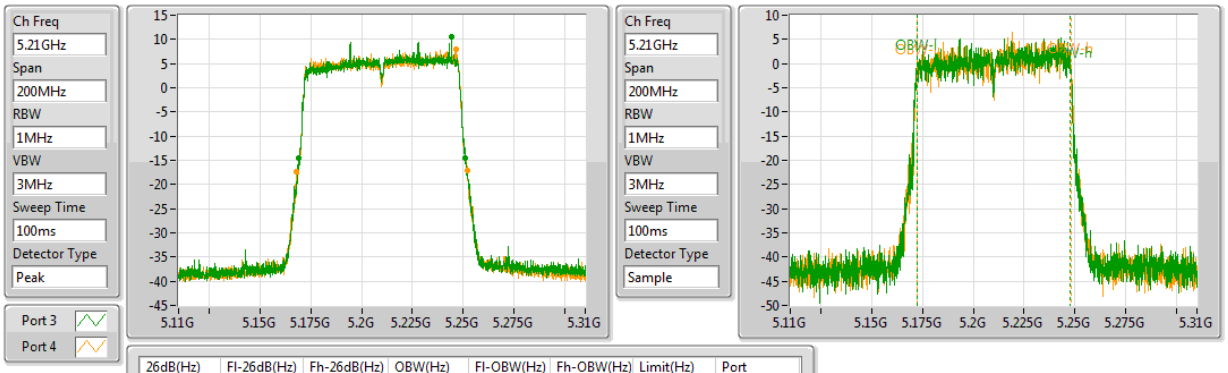
Result

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)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5775MHz	Pass	Inf					82M	75.762M	83.8M	75.862M
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5775MHz	Pass	500k	73.6M	75.562M	67.2M	75.762M				
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
#5210MHz,5775MHz	Pass	Inf					84.2M	75.862M	83.6M	75.862M
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz,#5775MHz	Pass	500k	16.3M	75.662M	73M	75.962M				

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

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX EBW

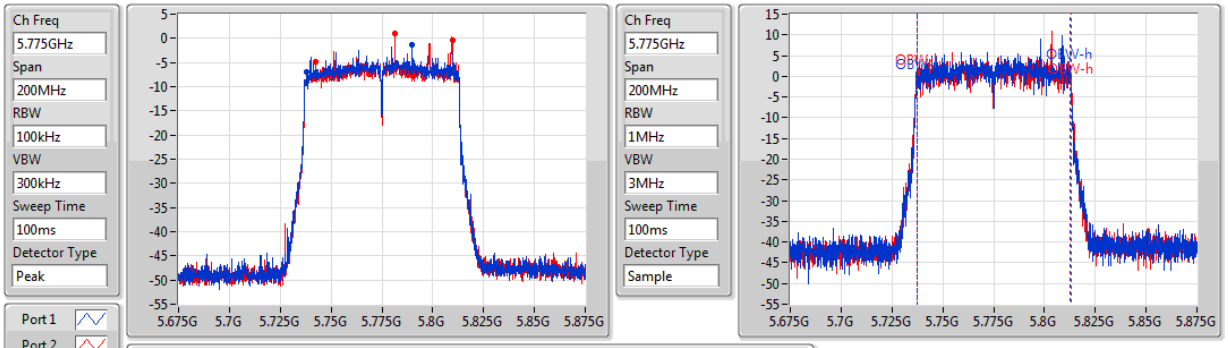
#5210MHz,5775MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.1692G	5.2512G	75.762M	5.172119G	5.247881G	Inf	3
83.8M	5.1682G	5.252G	75.862M	5.172119G	5.247981G	Inf	4

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX EBW

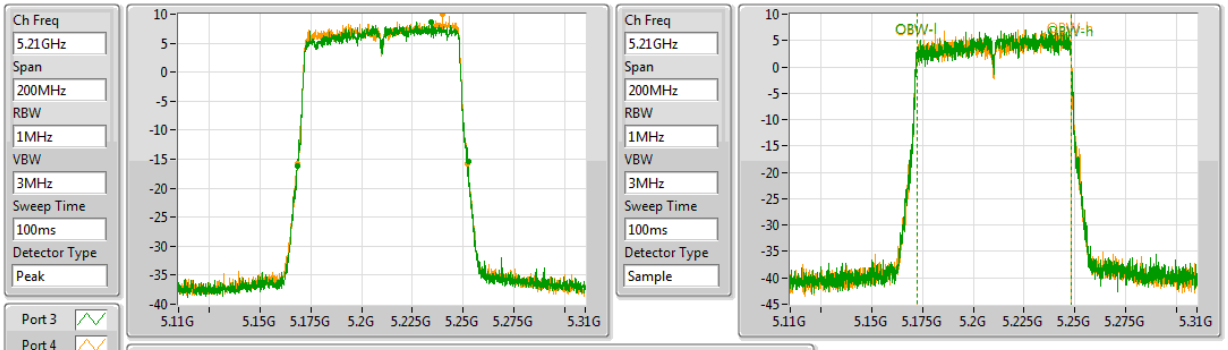
5210MHz,#5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.6M	5.7379G	5.8115G	75.562M	5.737219G	5.812781G	500k	1
67.2M	5.7425G	5.8097G	75.762M	5.737219G	5.812981G	500k	2

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX EBW

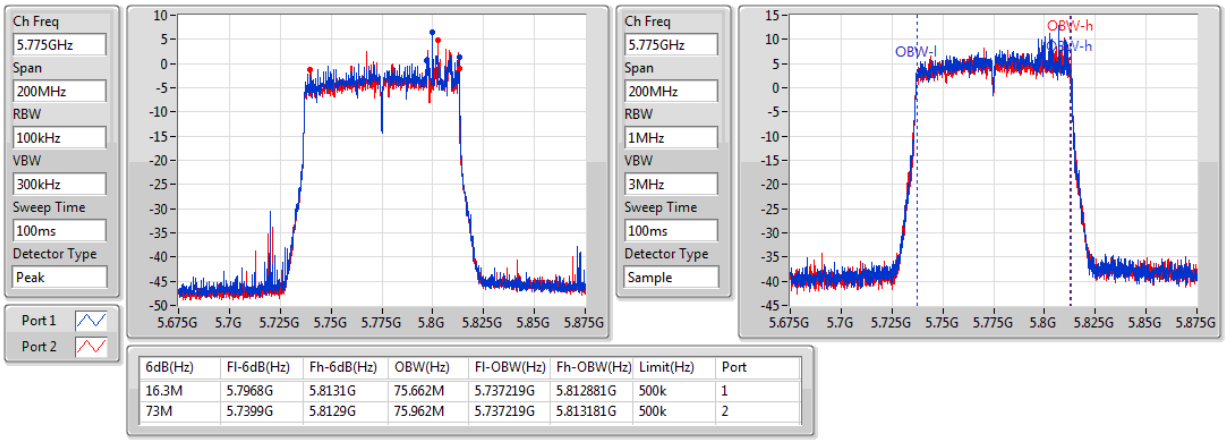
#5210MHz,5775MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.2M	5.1683G	5.2525G	75.862M	5.172119G	5.247981G	Inf	3
83.6M	5.1685G	5.2521G	75.862M	5.172119G	5.247981G	Inf	4

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX **EBW**

5210MHz,#5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.7968G	5.8131G	75.662M	5.737219G	5.812881G	500k	1
73M	5.7399G	5.8129G	75.962M	5.737219G	5.813181G	500k	2

For 802.11a/11ac VHT20/11ac VHT40/11ac VHT80 Mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a-BF_Nss1_4TX	-	-	-	-
5.15-5.25GHz	27.66	0.58345	35.99	3.97192
5.725-5.85GHz	26.63	0.46026	35.95	3.93550
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.64	0.58076	35.96	3.94457
5.725-5.85GHz	26.66	0.46345	35.98	3.96278
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.65	0.58210	35.97	3.95367
5.725-5.85GHz	26.66	0.46345	35.98	3.96278
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	25.76	0.37670	34.08	2.55859
5.725-5.85GHz	26.55	0.45186	35.87	3.86367
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	29.94	0.98628	35.25	3.34965
5.725-5.85GHz	29.62	0.91622	35.93	3.91742
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	29.38	0.86696	34.69	2.94442
5.725-5.85GHz	29.64	0.92045	35.95	3.93550
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	26.81	0.47973	32.12	1.62930
5.725-5.85GHz	28.51	0.70958	34.82	3.03389

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)
802.11a-BF_Nss1_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.32	27.55	27.68	21.03	21.49	21.81	21.74
5200MHz	Pass	8.32	27.66	27.68	21.15	21.76	21.85	21.78
5240MHz	Pass	8.32	27.65	27.68	21.28	21.72	21.83	21.66
5745MHz	Pass	9.32	26.35	26.68	20.01	20.36	20.49	20.45
5785MHz	Pass	9.32	26.56	26.68	20.08	20.65	20.77	20.63
5825MHz	Pass	9.32	26.63	26.68	20.05	20.69	20.81	20.85
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.32	27.51	27.68	21.07	21.56	21.74	21.55
5200MHz	Pass	8.32	27.54	27.68	21.12	21.61	21.71	21.63
5240MHz	Pass	8.32	27.64	27.68	21.47	21.57	21.89	21.52
5745MHz	Pass	9.32	26.36	26.68	20.02	20.45	20.38	20.49
5785MHz	Pass	9.32	26.53	26.68	20.11	20.32	20.45	21.08
5825MHz	Pass	9.32	26.66	26.68	20.14	20.91	20.69	20.76
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.32	26.73	27.68	20.07	20.52	21.15	21.03
5230MHz	Pass	8.32	27.65	27.68	21.45	21.57	21.66	21.82
5755MHz	Pass	9.32	26.66	26.68	20.13	20.81	20.85	20.74
5795MHz	Pass	9.32	26.48	26.68	20.02	20.68	20.43	20.67
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.32	25.76	27.68	19.34	19.91	19.82	19.85
5775MHz	Pass	9.32	26.55	26.68	20.03	20.65	20.93	20.47
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.31	29.30	30.00	22.72	23.19	23.61	23.54
5200MHz	Pass	5.31	29.61	30.00	23.12	23.58	23.88	23.75
5240MHz	Pass	5.31	29.94	30.00	23.65	24.02	24.21	23.76
5745MHz	Pass	6.31	29.62	29.69	23.17	23.83	23.64	23.71
5785MHz	Pass	6.31	29.62	29.69	23.09	23.74	23.85	23.68
5825MHz	Pass	6.31	29.61	29.69	23.03	23.88	23.69	23.72
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.31	25.86	30.00	19.42	19.64	20.08	20.17
5230MHz	Pass	5.31	29.38	30.00	23.59	23.67	23.23	22.91
5755MHz	Pass	6.31	29.33	29.69	23.03	23.45	23.39	23.36
5795MHz	Pass	6.31	29.64	29.69	23.01	23.87	23.61	23.93
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.31	26.81	30.00	20.49	20.73	21.08	20.84
5775MHz	Pass	6.31	28.51	29.69	22.02	22.63	22.55	22.74

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

For 802.11 VHT80+80 Mode
Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	24.55	0.28510	29.86	0.96828
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.725-5.85GHz	25.05	0.31989	31.36	1.36773
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	25.56	0.35975	27.86	0.61094
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-
5.725-5.85GHz	25.77	0.37757	29.07	0.80724

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
#5210MHz,5775MHz	Pass	5.31	24.55	30.00			21.47	21.61
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz,#5775MHz	Pass	6.31	25.05	29.69	22.17	21.91		
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
#5210MHz,5775MHz	Pass	2.30	25.56	30.00			22.58	22.51
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz,#5775MHz	Pass	3.30	25.77	30.00	23.05	22.45		

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

For 802.11a/11ac VHT20/11ac VHT40/11ac VHT80 Mode
Summary

Mode	PD (dBm/RBW)
802.11a-BF_Nss1_4TX	-
5.15-5.25GHz	14.44
5.725-5.85GHz	13.16
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	14.32
5.725-5.85GHz	13.04
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	11.46
5.725-5.85GHz	10.13
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5.15-5.25GHz	6.74
5.725-5.85GHz	7.49
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-
5.15-5.25GHz	16.79
5.725-5.85GHz	16.14
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-
5.15-5.25GHz	13.17
5.725-5.85GHz	13.15
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-
5.15-5.25GHz	7.65
5.725-5.85GHz	9.27

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

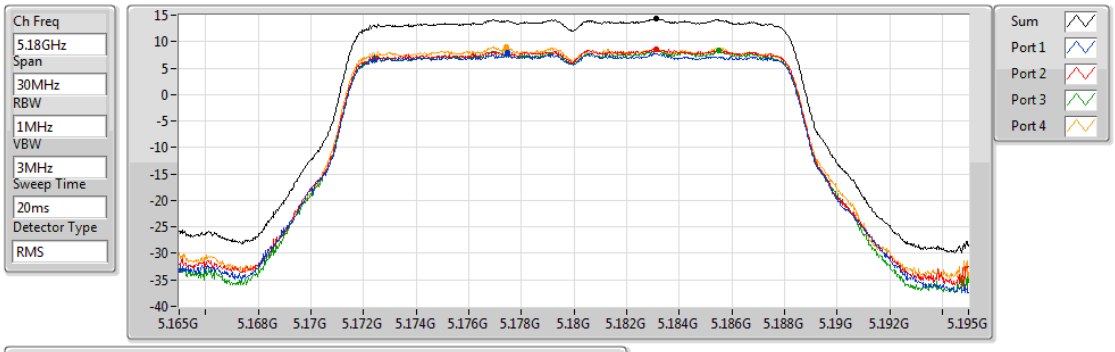
Result

Mode	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
802.11a-BF_Nss1_4TX	-	-	-	-	-	-	-
5180MHz	8.32	14.31	14.68	7.87	8.53	8.29	9.04
5200MHz	8.32	14.44	14.68	8.14	8.76	8.41	8.91
5240MHz	8.32	14.43	14.68	8.15	8.67	8.54	9.05
5745MHz	9.32	12.88	26.68	7.55	6.81	6.87	7.89
5785MHz	9.32	12.95	26.68	7.08	7.23	7.23	8.09
5825MHz	9.32	13.16	26.68	7.05	7.52	7.53	8.31
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-
5180MHz	8.32	14.18	14.68	8.00	8.74	8.23	9.36
5200MHz	8.32	14.22	14.68	8.26	8.88	8.29	9.23
5240MHz	8.32	14.32	14.68	8.34	8.96	8.37	9.55
5745MHz	9.32	12.72	26.68	7.72	6.59	6.68	7.91
5785MHz	9.32	12.91	26.68	7.38	7.06	7.05	8.20
5825MHz	9.32	13.04	26.68	7.26	7.62	7.19	7.94
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-
5190MHz	8.32	10.51	14.68	4.52	5.01	4.56	5.13
5230MHz	8.32	11.46	14.68	5.36	5.81	5.57	5.83
5755MHz	9.32	10.13	26.68	4.66	3.80	3.57	4.95
5795MHz	9.32	9.92	26.68	4.26	3.92	3.87	4.56
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-
5210MHz	8.32	6.74	14.68	0.86	1.24	0.72	1.48
5775MHz	9.32	7.49	26.68	2.03	1.54	1.26	2.28
802.11ac VHT20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-
5180MHz	5.31	16.05	17.00	9.99	10.79	10.04	10.97
5200MHz	5.31	16.41	17.00	10.20	10.99	10.49	11.18
5240MHz	5.31	16.79	17.00	10.71	11.26	10.96	11.50
5745MHz	6.31	16.07	29.69	10.72	10.23	10.29	11.48
5785MHz	6.31	16.14	29.69	10.37	10.03	10.03	11.15
5825MHz	6.31	16.02	29.69	10.23	10.48	10.34	11.34
802.11ac VHT40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-
5190MHz	5.31	9.64	17.00	3.55	4.40	3.86	4.31
5230MHz	5.31	13.17	17.00	7.28	8.08	7.11	7.81
5755MHz	6.31	12.83	29.69	7.54	7.11	6.58	7.51
5795MHz	6.31	13.15	29.69	7.32	7.60	7.23	8.03
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-
5210MHz	5.31	7.65	17.00	1.62	2.04	2.00	2.76
5775MHz	6.31	9.27	29.69	3.55	3.15	3.48	4.16

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-BF_Nss1_4TX PSD

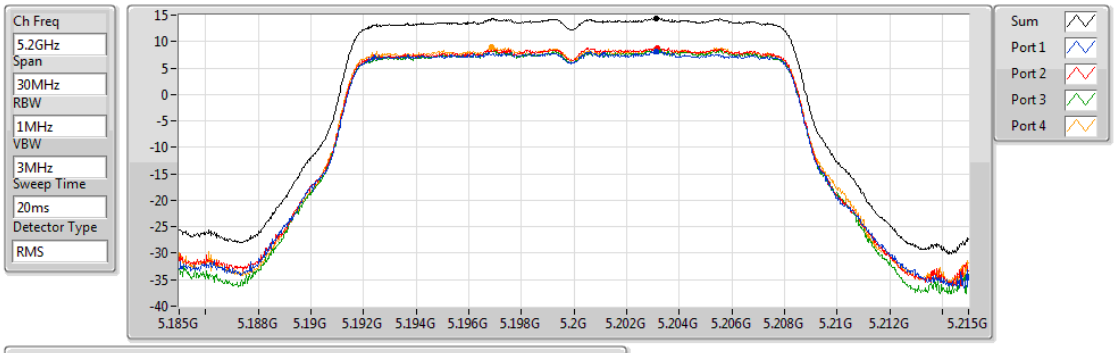
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.31	14.31	7.87	8.53	8.29	9.04

802.11a-BF_Nss1_4TX PSD

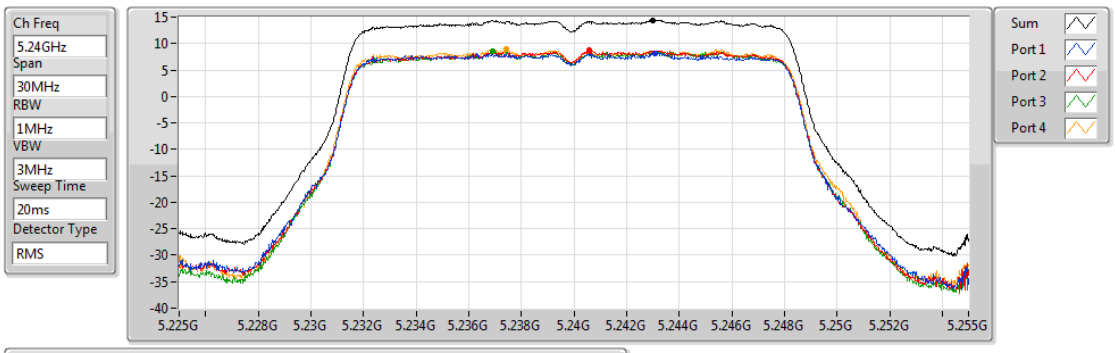
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.44	14.44	8.14	8.76	8.41	8.91

802.11a-BF_Nss1_4TX PSD

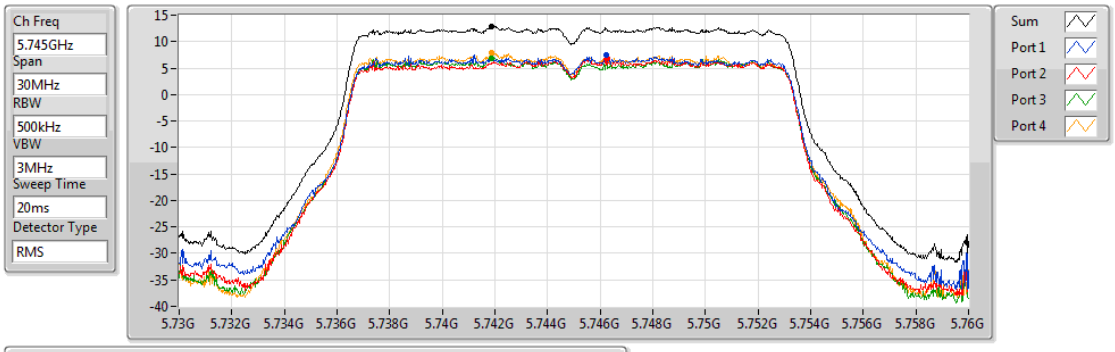
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.43	14.43	8.15	8.67	8.54	9.05

802.11a-BF_Nss1_4TX PSD

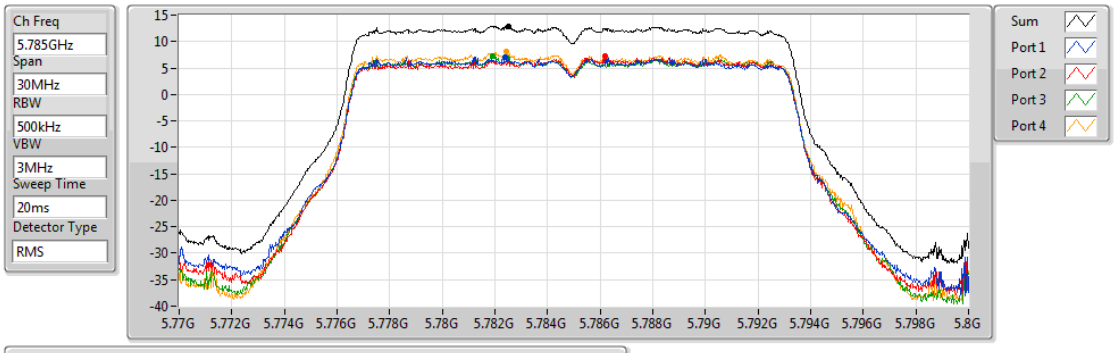
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.88	12.88	7.55	6.81	6.87	7.89

802.11a-BF_Nss1_4TX PSD

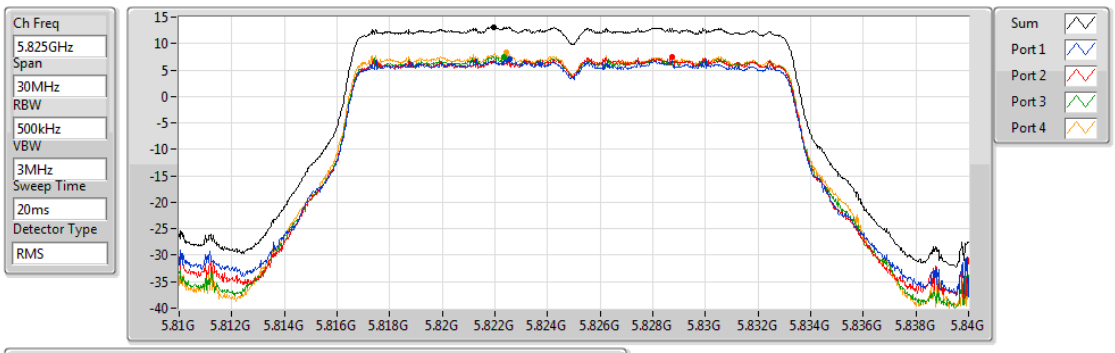
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.95	12.95	7.08	7.23	7.23	8.09

802.11a-BF_Nss1_4TX PSD

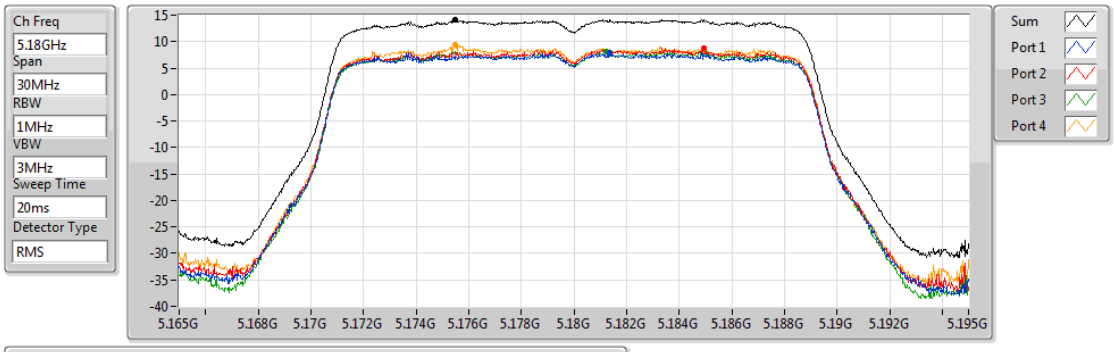
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.16	13.16	7.05	7.52	7.53	8.31

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

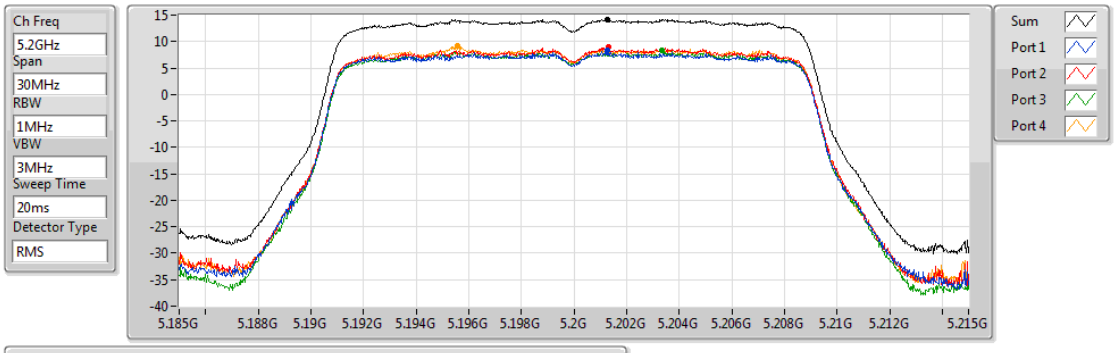
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.18	14.18	8.00	8.74	8.23	9.36

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

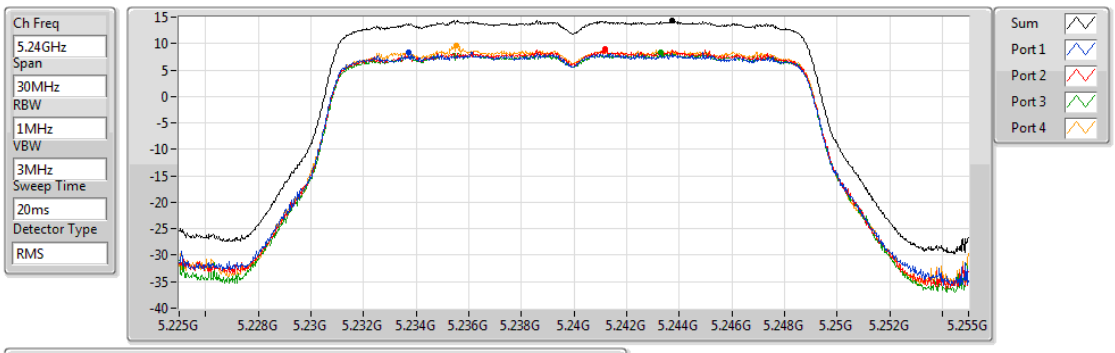
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.22	14.22	8.26	8.88	8.29	9.23

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

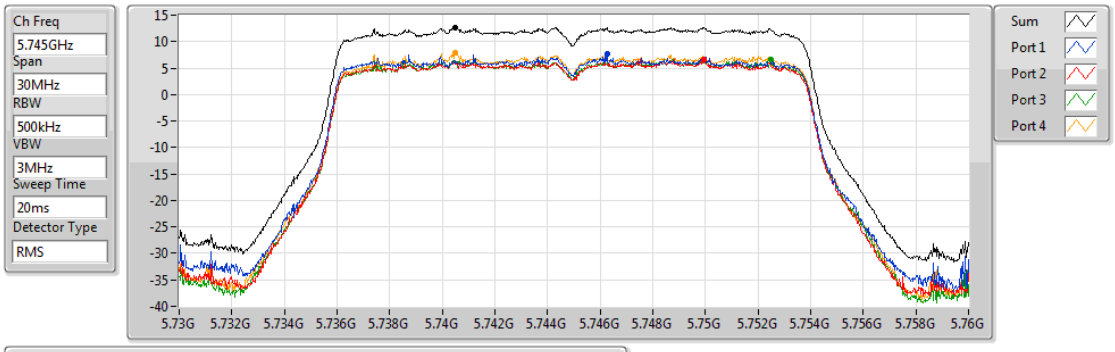
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.32	14.32	8.34	8.96	8.37	9.55

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

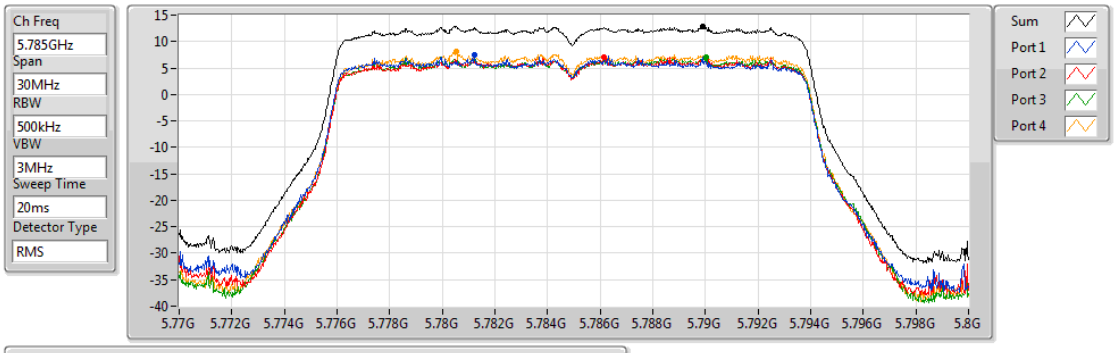
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.72	12.72	7.72	6.59	6.68	7.91

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

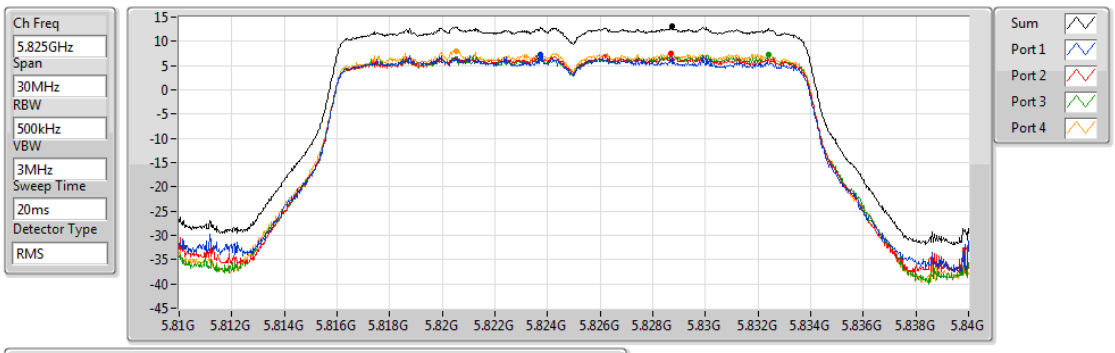
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.91	12.91	7.38	7.06	7.05	8.20

802.11ac VHT20-BF_Nss1,(MCS0)_4TX PSD

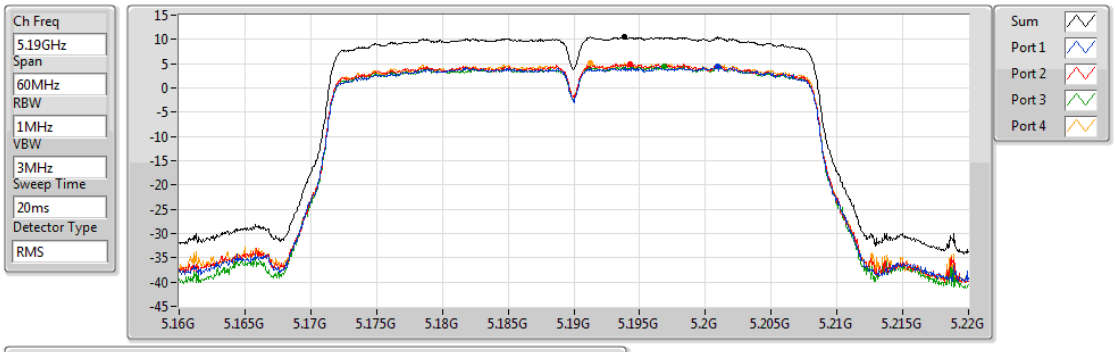
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.04	13.04	7.26	7.62	7.19	7.94

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

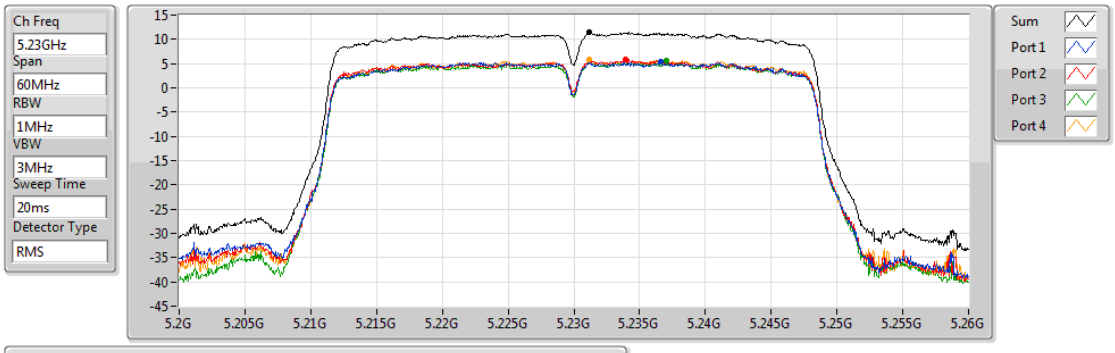
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.51	10.51	4.52	5.01	4.56	5.13

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

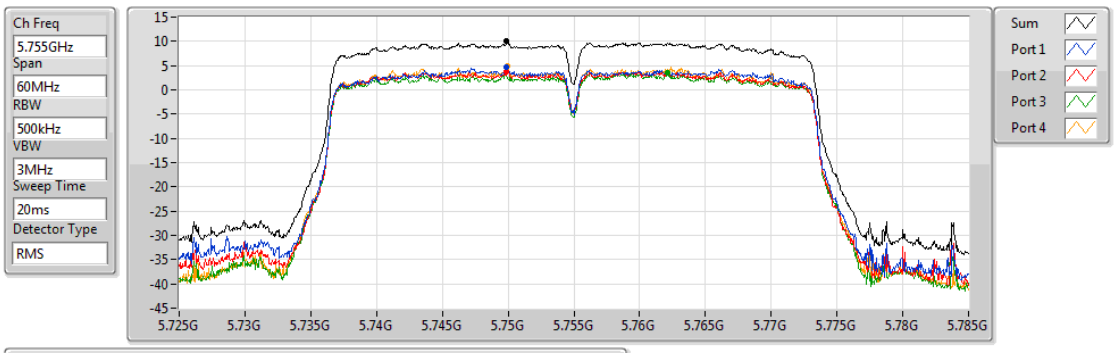
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.46	11.46	5.36	5.81	5.57	5.83

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

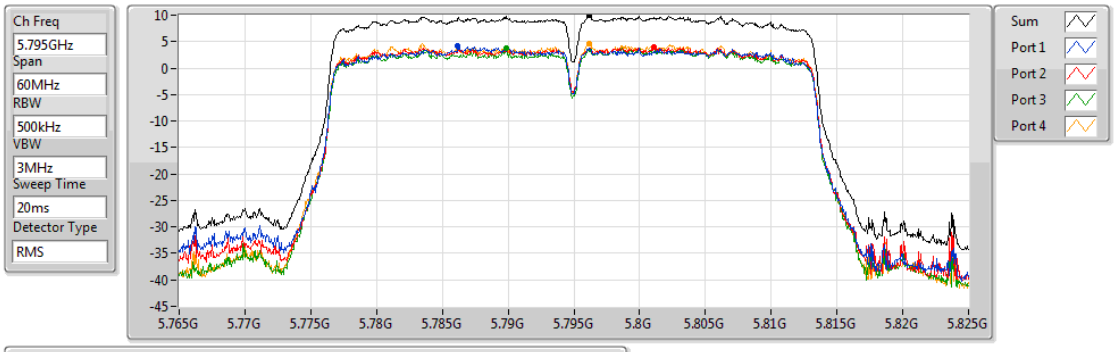
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.13	10.13	4.66	3.80	3.57	4.95

802.11ac VHT40-BF_Nss1,(MCS0)_4TX PSD

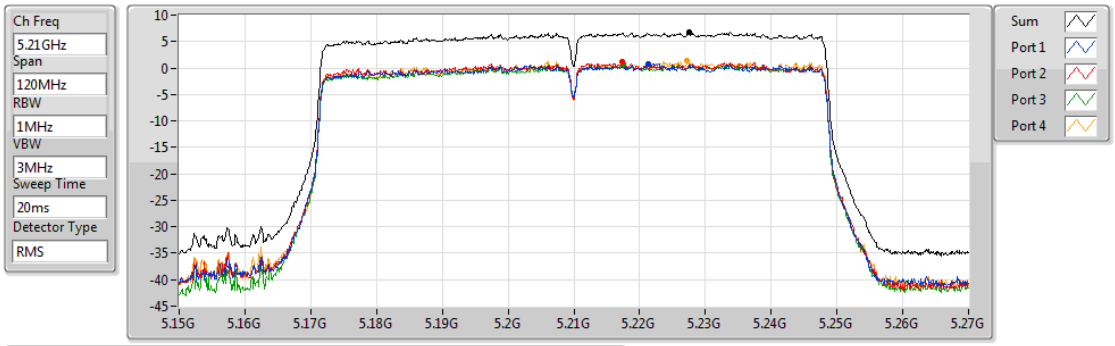
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.92	9.92	4.26	3.92	3.87	4.56

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

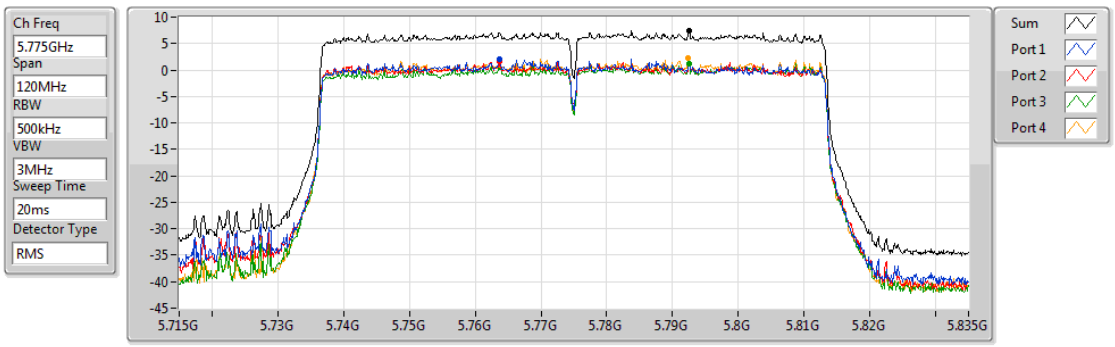
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.74	6.74	0.86	1.24	0.72	1.48

802.11ac VHT80-BF_Nss1,(MCS0)_4TX PSD

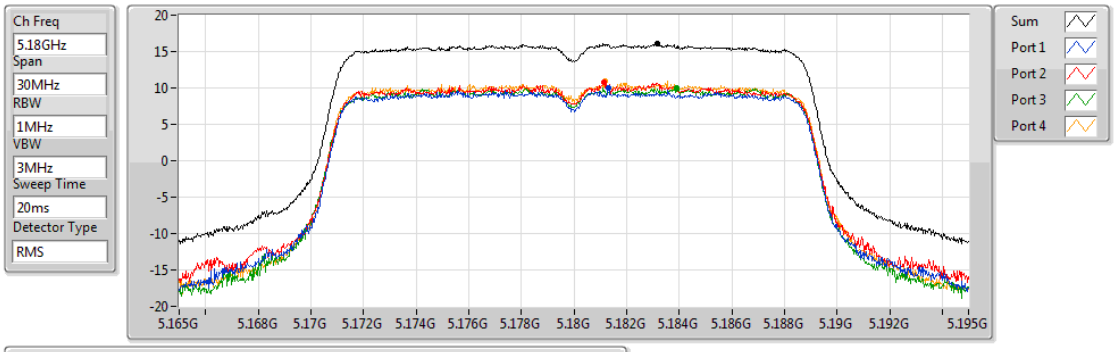
5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.49	7.49	2.03	1.54	1.26	2.28

802.11ac VHT20-BF_Nss2,(MCS0)_4TX PSD

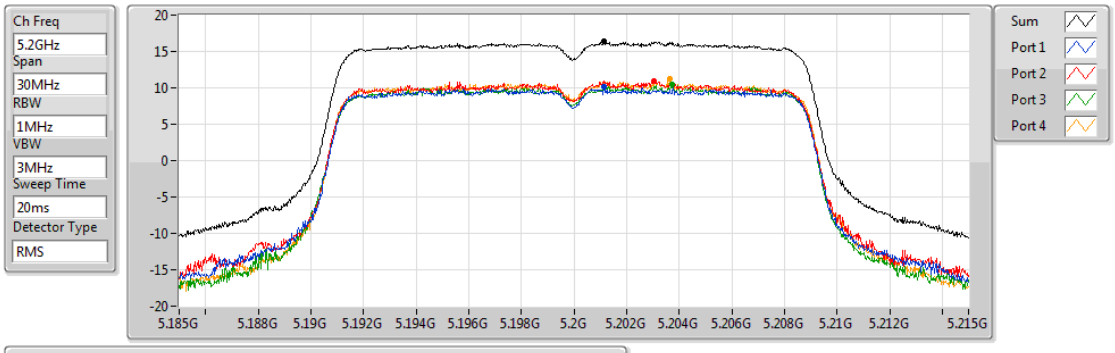
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.05	16.05	9.99	10.79	10.04	10.97

802.11ac VHT20-BF_Nss2,(MCS0)_4TX PSD

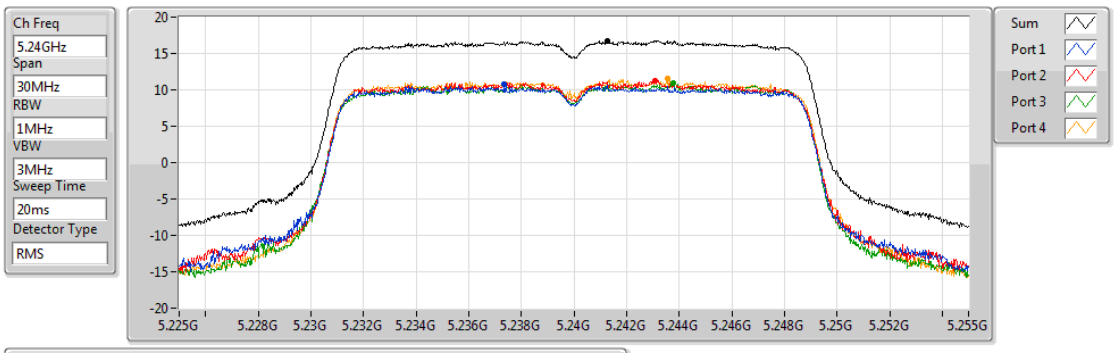
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.41	16.41	10.20	10.99	10.49	11.18

802.11ac VHT20-BF_Nss2,(MCS0)_4TX PSD

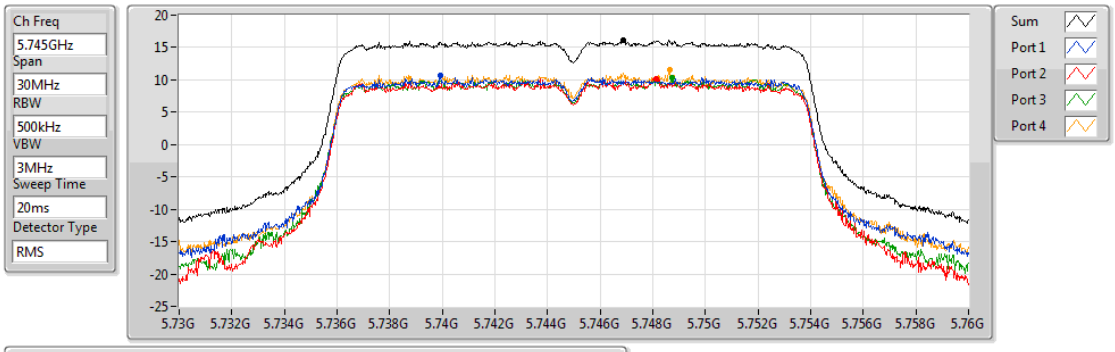
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.79	16.79	10.71	11.26	10.96	11.50

802.11ac VHT20-BF_Nss2,(MCS0)_4TX PSD

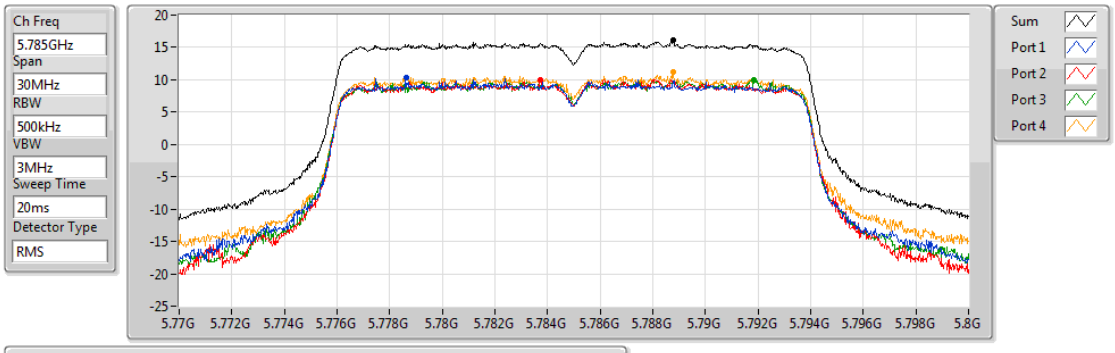
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.07	16.07	10.72	10.23	10.29	11.48

802.11ac VHT20-BF_Nss2,(MCS0)_4TX PSD

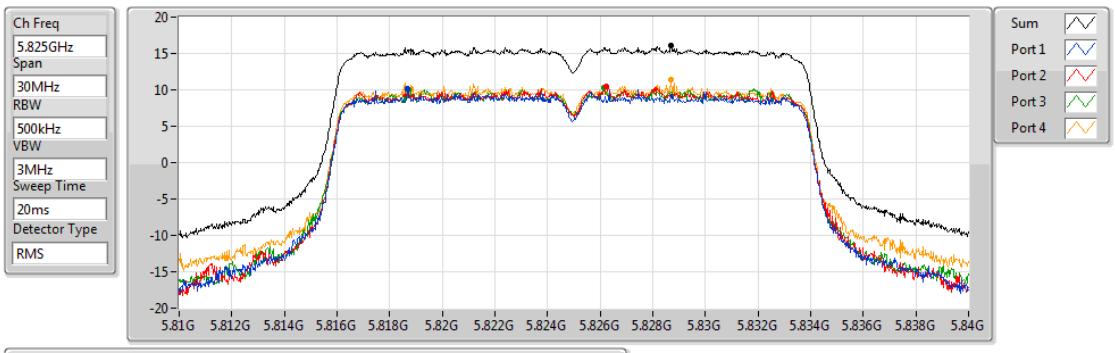
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.14	16.14	10.37	10.03	10.03	11.15

802.11ac VHT20-BF_Nss2,(MCS0)_4TX PSD

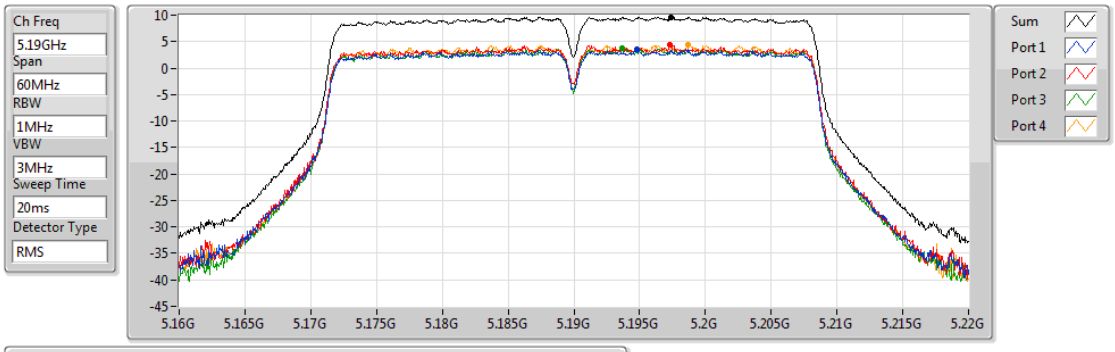
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.02	16.02	10.23	10.48	10.34	11.34

802.11ac VHT40-BF_Nss2,(MCS0)_4TX PSD

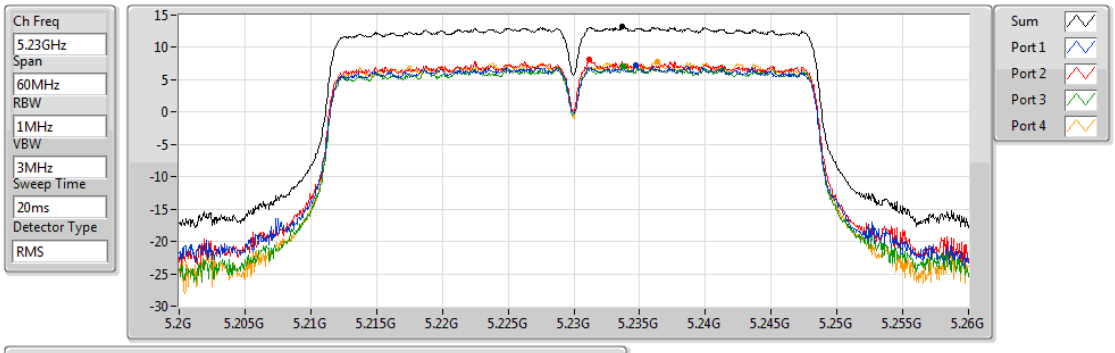
5190MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.64	9.64	3.55	4.40	3.86	4.31

802.11ac VHT40-BF_Nss2,(MCS0)_4TX PSD

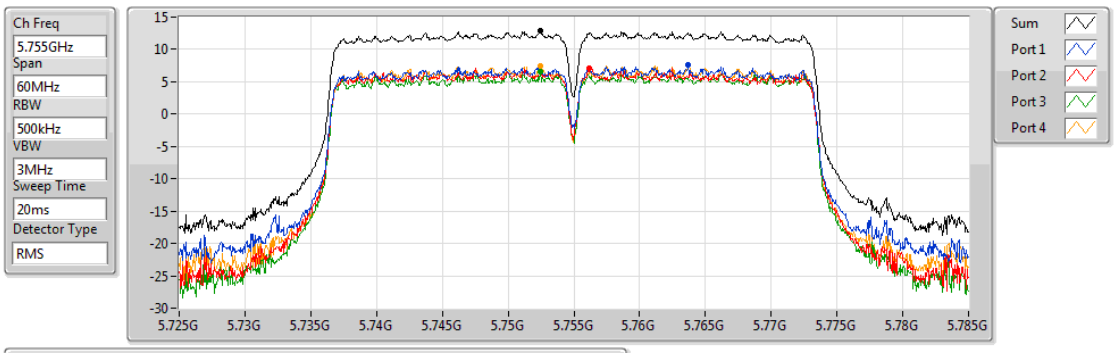
5230MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.17	13.17	7.28	8.08	7.11	7.81

802.11ac VHT40-BF_Nss2,(MCS0)_4TX PSD

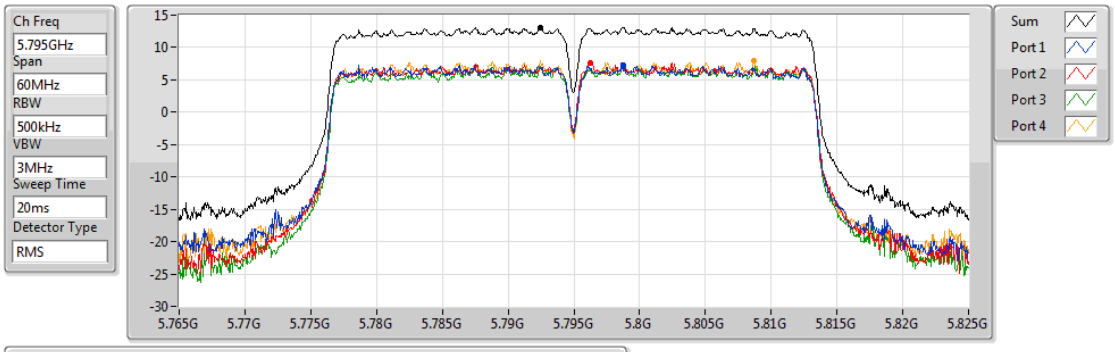
5755MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.83	12.83	7.54	7.11	6.58	7.51

802.11ac VHT40-BF_Nss2,(MCS0)_4TX PSD

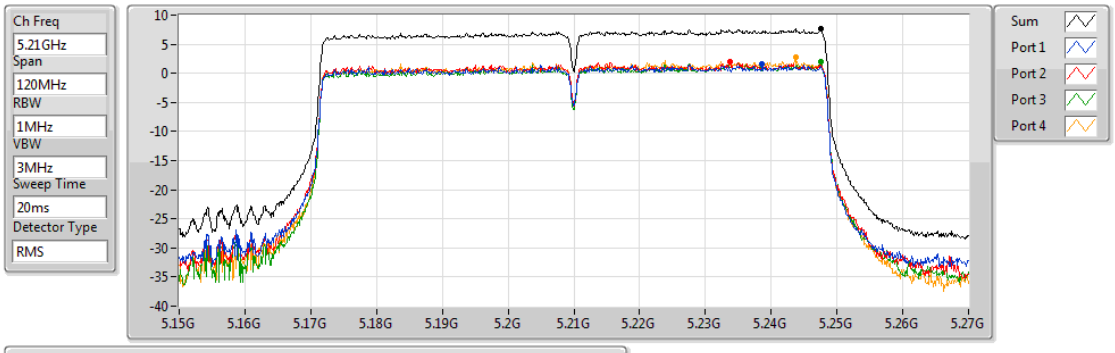
5795MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.15	13.15	7.32	7.60	7.23	8.03

802.11ac VHT80-BF_Nss2,(MCS0)_4TX PSD

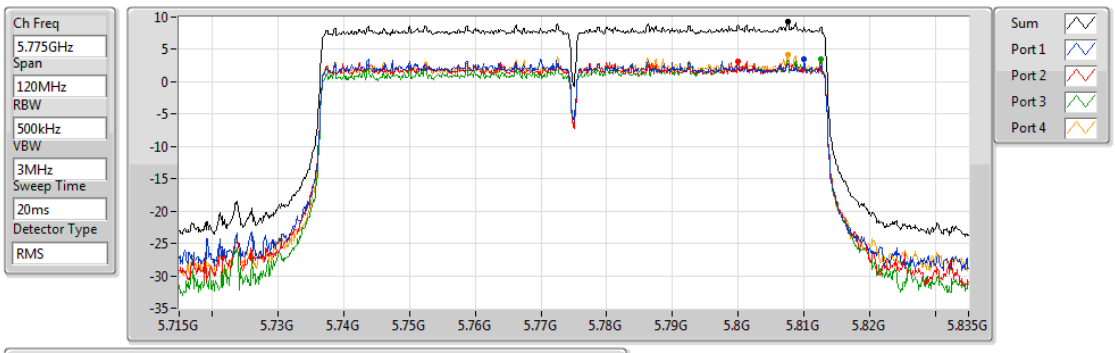
5210MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	1.62	2.04	2.00	2.76

802.11ac VHT80-BF_Nss2,(MCS0)_4TX PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.27	9.27	3.55	3.15	3.48	4.16

For 802.11 VHT80+80 Mode
Summary

Mode	PD (dBm/RBW)
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-
5.15-5.25GHz	-1.11
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-
5.725-5.85GHz	-2.53
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-
5.15-5.25GHz	-0.64
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-
5.725-5.85GHz	-1.02

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

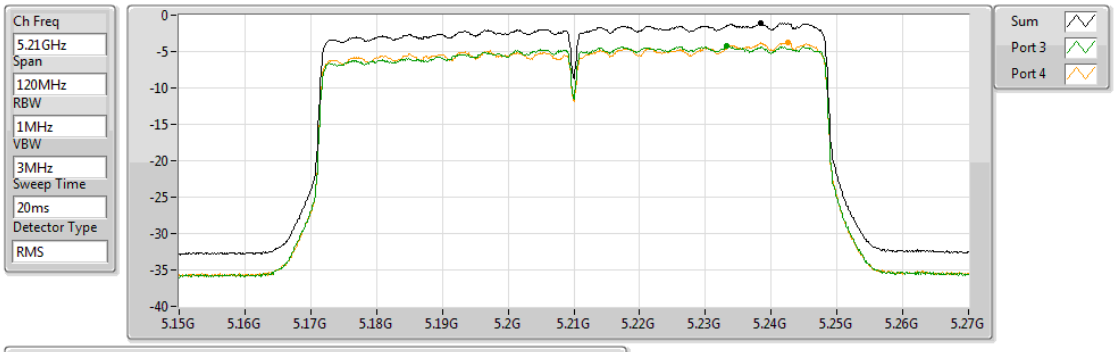
Result

Mode	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
#5210MHz,5775MHz	5.31	-1.11	17.00			-4.29	-3.73
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5210MHz,#5775MHz	6.31	-2.53	29.69	-5.06	-5.71		
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
#5210MHz,5775MHz	2.30	-0.64	17.00			-2.99	-2.94
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5210MHz,#5775MHz	3.30	-1.02	30.00	-2.51	-3.58		

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;

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX PSD

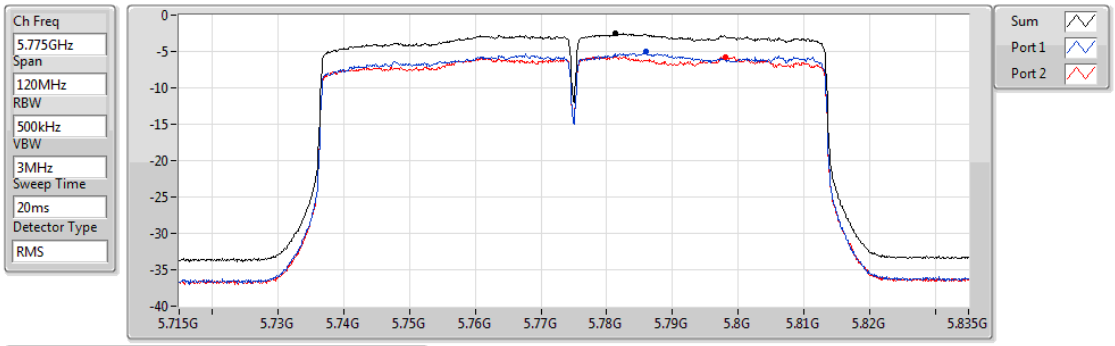
#5210MHz,5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.11	-1.11			-4.29	-3.73

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX PSD

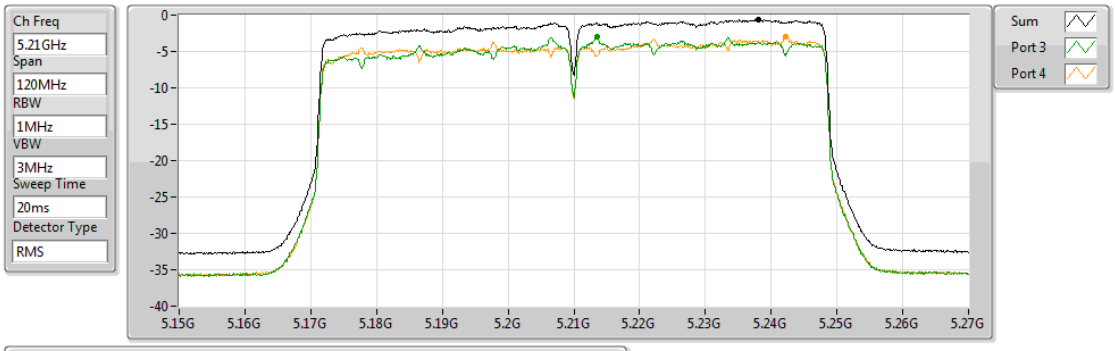
5210MHz,#5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.53	-2.53	-5.06	-5.71

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX PSD

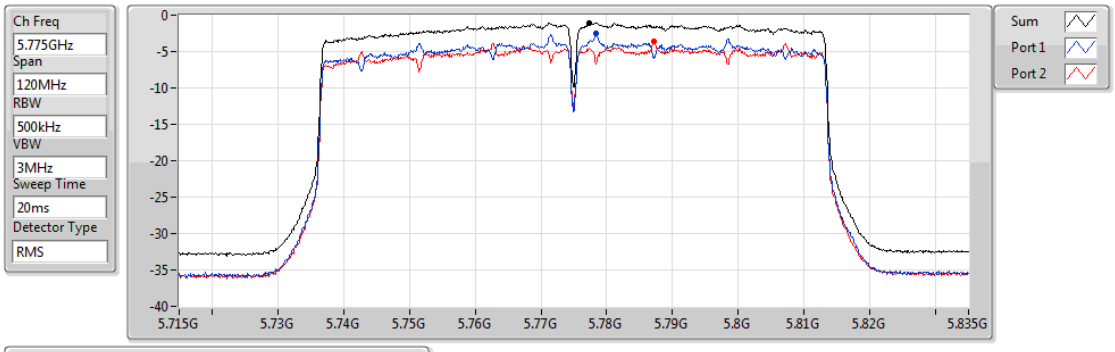
#5210MHz,5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.64	-0.64			-2.99	-2.94

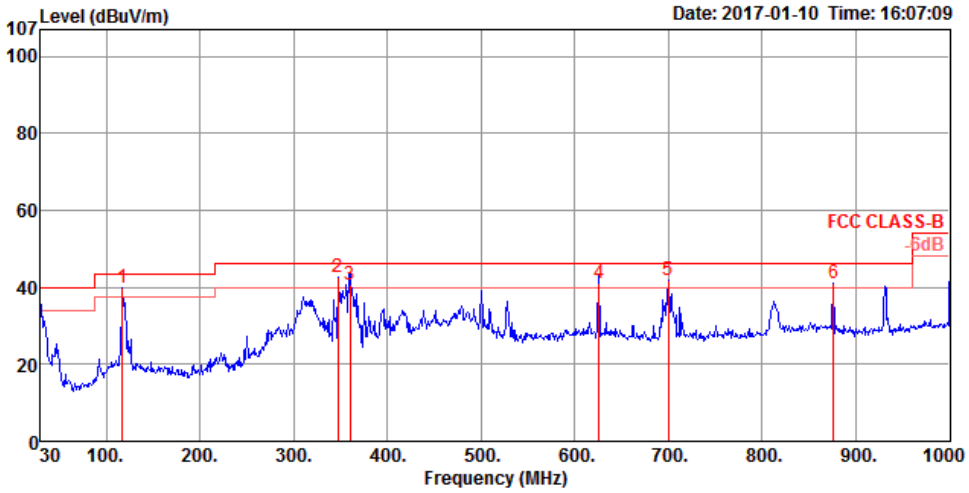
802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX **PSD**

5210MHz,#5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.02	-1.02	-2.51	-3.58

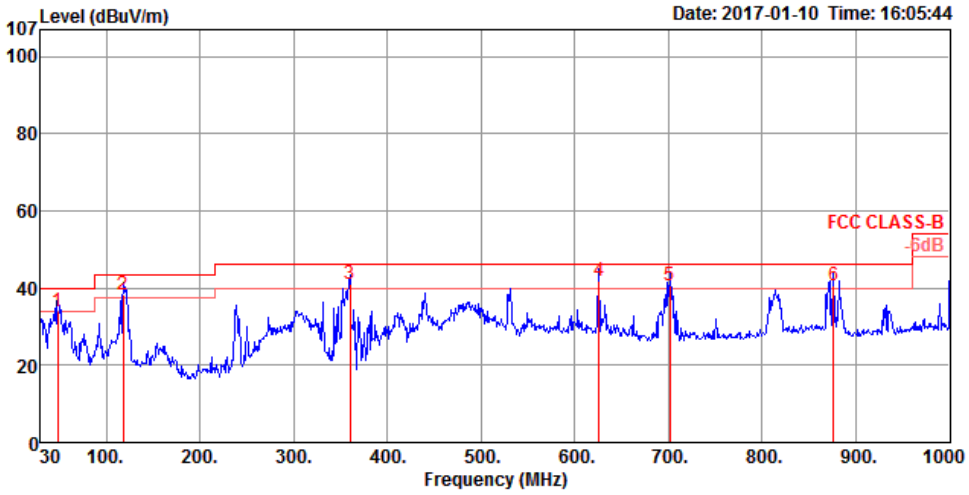
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Line	Limit	Level	Loss	Factor	Factor			Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	117.30	39.68	43.50	-3.82	52.28	0.87	18.42	31.89	200	141	Peak	HORIZONTAL
2	347.19	42.76	46.00	-3.24	52.38	1.45	21.00	32.07	200	124	Peak	HORIZONTAL
3	359.80	40.55	46.00	-5.45	49.85	1.47	21.32	32.09	200	282	QP	HORIZONTAL
4	625.58	40.87	46.00	-5.13	46.19	1.97	25.16	32.45	150	69	QP	HORIZONTAL
5	700.27	41.90	46.00	-4.10	46.81	2.09	25.50	32.50	100	220	Peak	HORIZONTAL
6	875.84	41.04	46.00	-4.96	44.00	2.38	27.15	32.49	125	333	Peak	HORIZONTAL

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

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



	Freq	Level	Line	Limit	Level	Loss	Factor	Factor			Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	48.43	34.11	40.00	-5.89	49.81	0.61	15.43	31.74	125	312	QP	VERTICAL
2	118.27	38.49	43.50	-5.01	51.06	0.87	18.45	31.89	100	163	QP	VERTICAL
3	359.80	40.90	46.00	-5.10	50.20	1.47	21.32	32.09	125	133	QP	VERTICAL
4	625.58	41.97	46.00	-4.03	47.29	1.97	25.16	32.45	100	194	QP	VERTICAL
5	701.24	40.69	46.00	-5.31	45.57	2.10	25.52	32.50	100	146	QP	VERTICAL
6	875.84	40.81	46.00	-5.19	43.77	2.38	27.15	32.49	125	207	QP	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.)

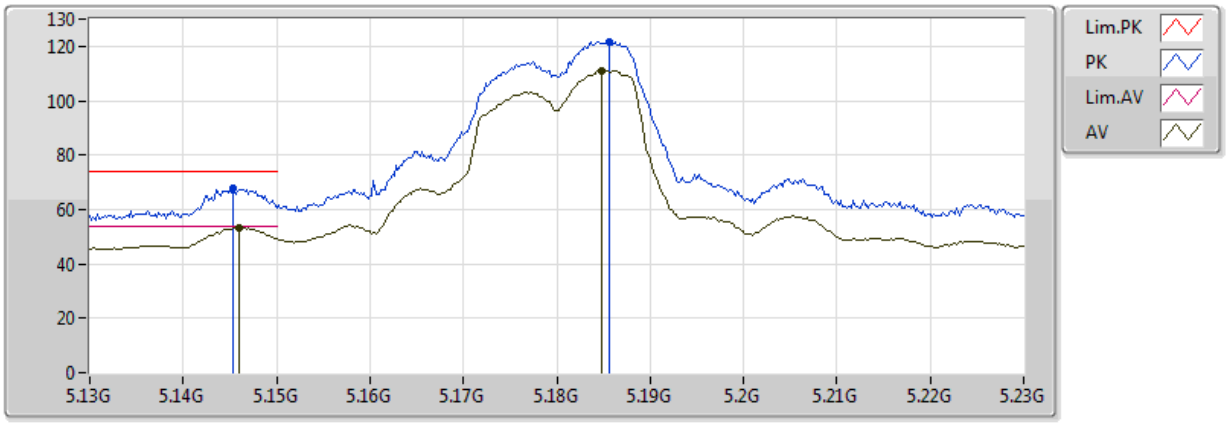
For 802.11a/11ac VHT20/11ac VHT40/11ac VHT80 Mode

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.149995G	53.49	54.00	-0.51	4.32	3	V	144	1.76	-

802.11a-BF_Nss1_4TX

5180MHz_TX

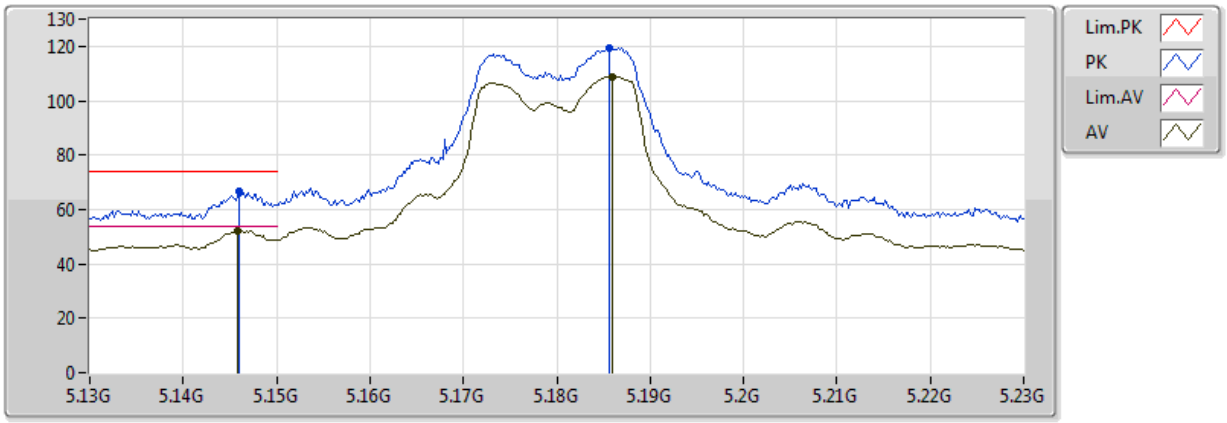


20170217
EUT Z 4TX
Setting 23
01-Z-1-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	53.44	54.00	-0.56	4.31	3	V	196	2.22	-
AV	5.1848G	111.16	Inf	-Inf	4.40	3	V	196	2.22	-
PK	5.1454G	67.67	74.00	-6.33	4.31	3	V	196	2.22	-
PK	5.1856G	121.57	Inf	-Inf	4.40	3	V	196	2.22	-

802.11a-BF_Nss1_4TX

5180MHz_TX

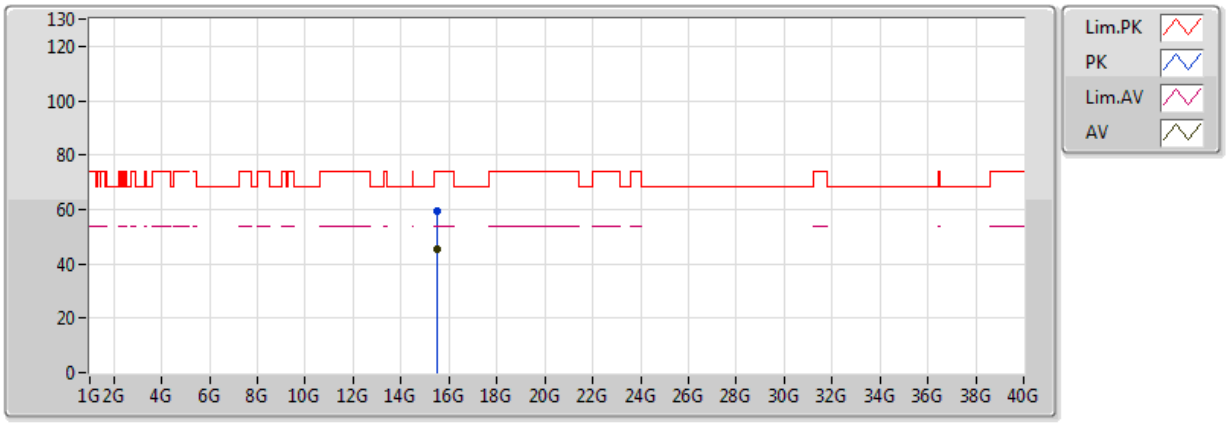


20170217
EUT Z 4TX
Setting 23
01-Z-1-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1458G	52.11	54.00	-1.89	4.31	3	H	290	2.10	-
AV	5.186G	108.95	Inf	-Inf	4.40	3	H	290	2.10	-
PK	5.146G	66.92	74.00	-7.08	4.31	3	H	290	2.10	-
PK	5.1856G	119.53	Inf	-Inf	4.40	3	H	290	2.10	-

802.11a-BF_Nss1_4TX

5180MHz_TX

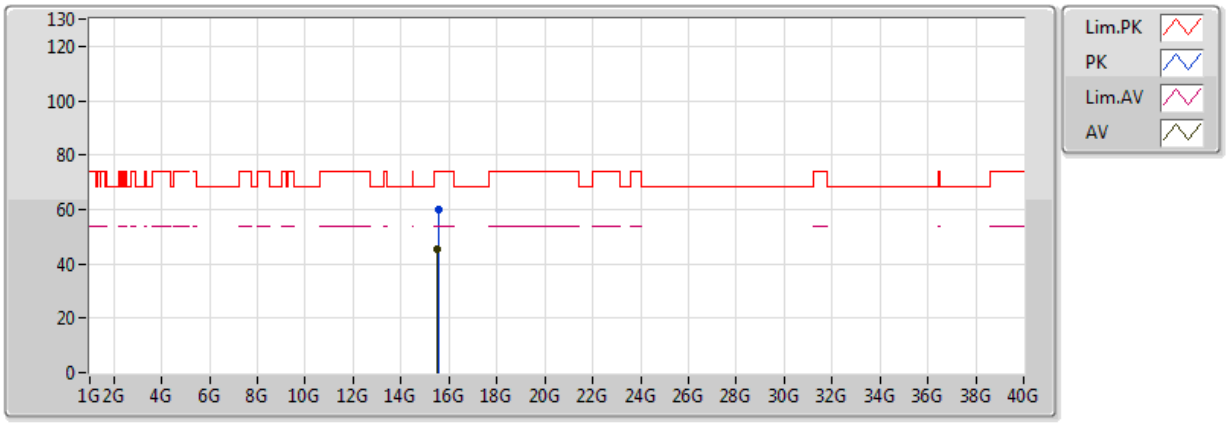


20170217
EUT Z 4TX
Setting 23
01-Z-1
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5318G	45.35	54.00	-8.65	13.92	3	V	305	1.41	-
PK	15.53344G	59.55	74.00	-14.45	13.92	3	V	305	1.41	-

802.11a-BF_Nss1_4TX

5180MHz_TX

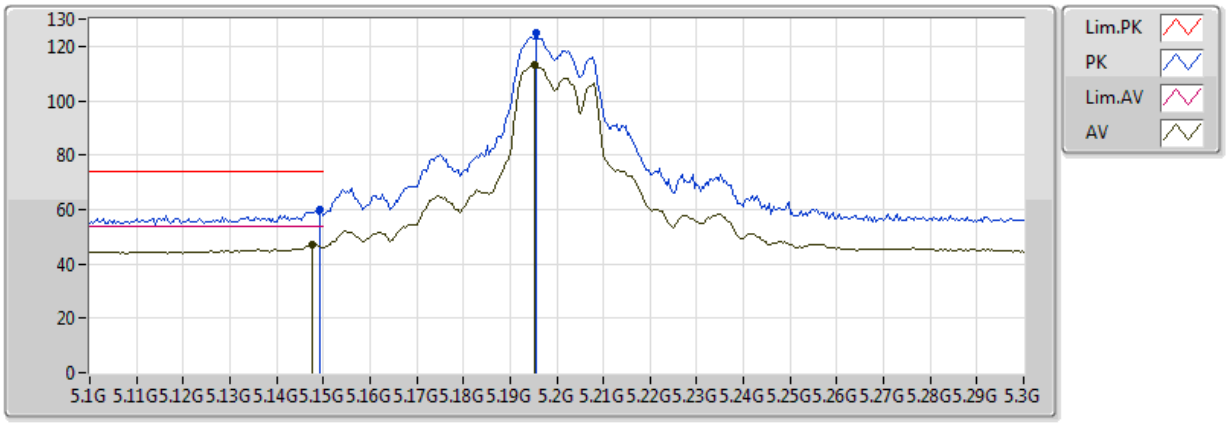


20170217
EUT Z 4TX
Setting 23
01-Z-1
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53052G	45.28	54.00	-8.72	13.92	3	H	350	1.93	-
PK	15.545G	59.80	74.00	-14.20	13.90	3	H	350	1.93	-

802.11a-BF_Nss1_4TX

5200MHz_TX

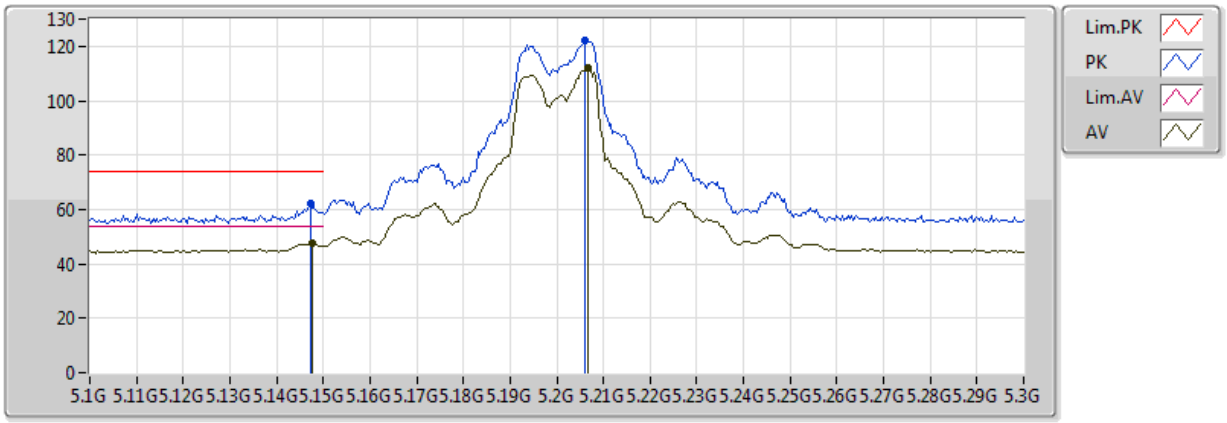


20170217
EUT Z 4TX
Setting 24.5
01-Z-1-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1476G	46.91	54.00	-7.09	4.31	3	V	270	2.06	-
AV	5.1952G	112.94	Inf	-Inf	4.42	3	V	270	2.06	-
PK	5.1492G	59.89	74.00	-14.11	4.32	3	V	270	2.06	-
PK	5.1956G	125.03	Inf	-Inf	4.42	3	V	270	2.06	-

802.11a-BF_Nss1_4TX

5200MHz_TX

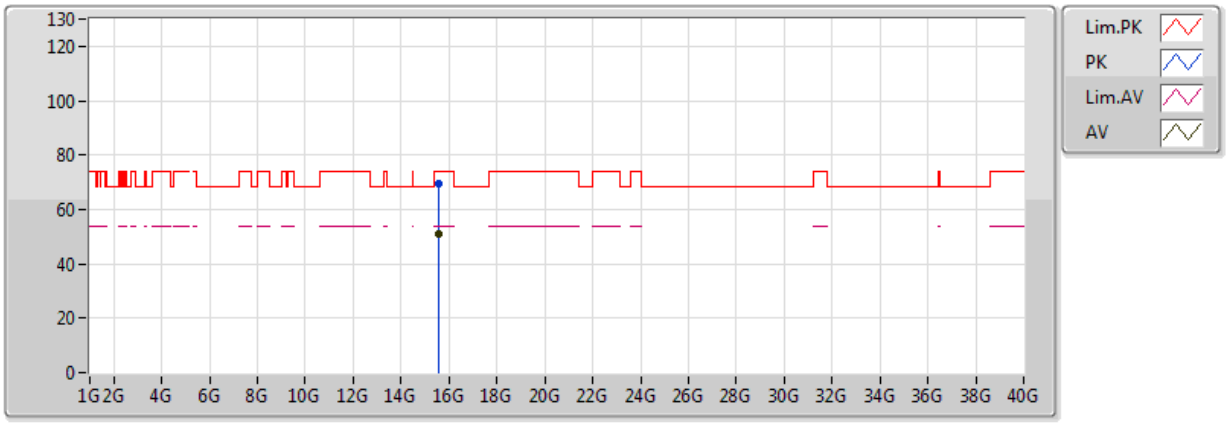


20170217
EUT Z 4TX
Setting 24.5
01-Z-1-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1476G	47.48	54.00	-6.52	4.31	3	H	294	2.07	-
AV	5.2068G	111.83	Inf	-Inf	4.44	3	H	294	2.07	-
PK	5.1472G	62.02	74.00	-11.98	4.31	3	H	294	2.07	-
PK	5.206G	122.12	Inf	-Inf	4.44	3	H	294	2.07	-

802.11a-BF_Nss1_4TX

5200MHz_TX

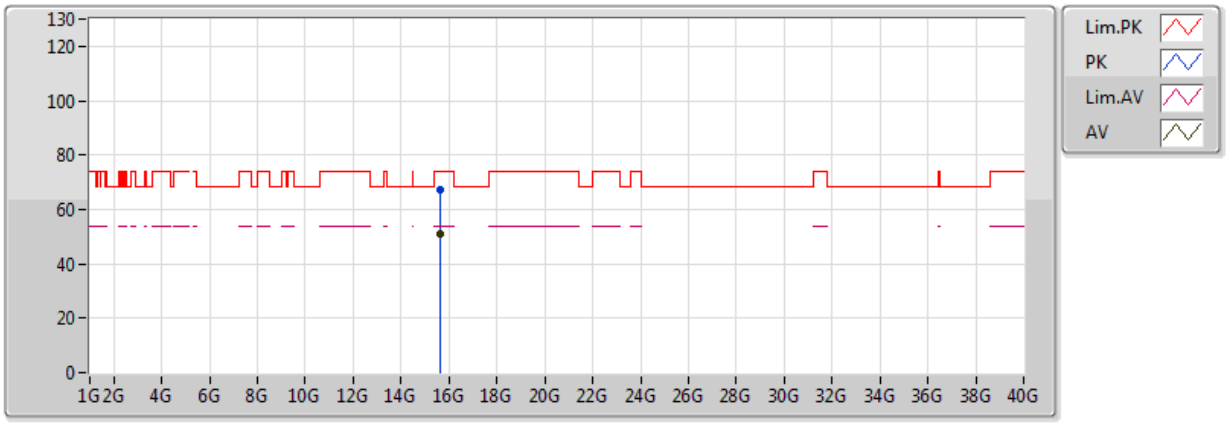


20170217
EUT Z 4TX
Setting 24.5
01-Z-1
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.598G	50.83	54.00	-3.17	13.84	3	V	118	2.13	-
PK	15.60016G	69.30	74.00	-4.70	13.84	3	V	118	2.13	-

802.11a-BF_Nss1_4TX

5200MHz_TX

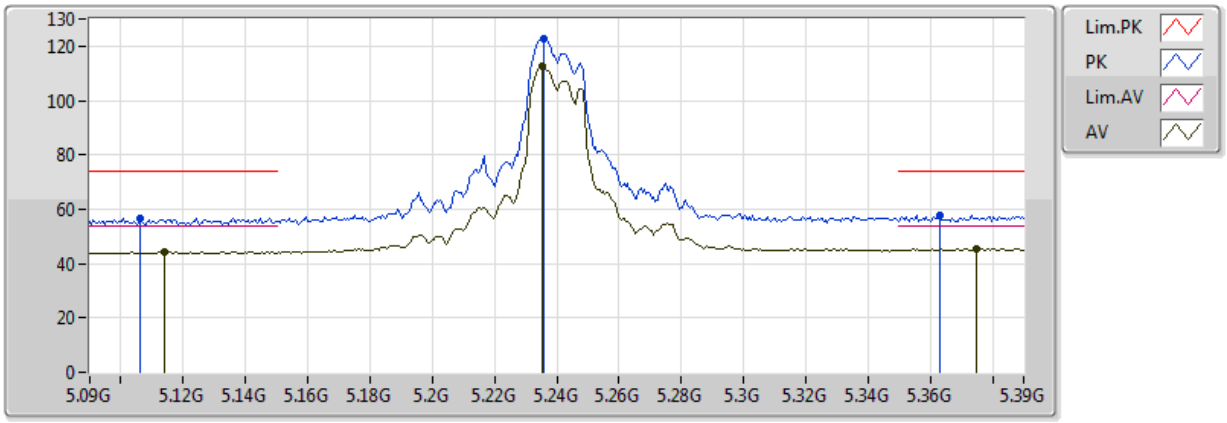


20170217
EUT Z 4TX
Setting 24.5
01-Z-1
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.60488G	50.96	54.00	-3.04	13.83	3	H	63	1.81	-
PK	15.6048G	67.24	74.00	-6.76	13.83	3	H	63	1.81	-

802.11a-BF_Nss1_4TX

5240MHz_TX

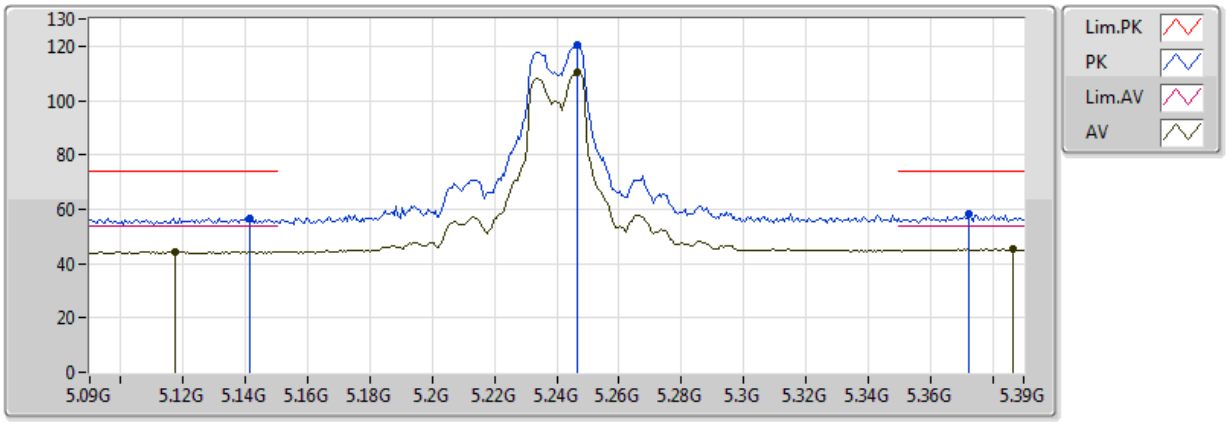


20170217
EUT Z 4TX
Setting 23.5
01-Z-1-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.114G	44.25	54.00	-9.75	4.24	3	V	270	2.08	-
AV	5.2352G	112.39	Inf	-Inf	4.50	3	V	270	2.08	-
AV	5.375G	45.66	54.00	-8.34	4.77	3	V	270	2.08	-
PK	5.1062G	56.85	74.00	-17.15	4.22	3	V	270	2.08	-
PK	5.2358G	122.60	Inf	-Inf	4.51	3	V	270	2.08	-
PK	5.363G	57.56	74.00	-16.44	4.75	3	V	270	2.08	-

802.11a-BF_Nss1_4TX

5240MHz_TX

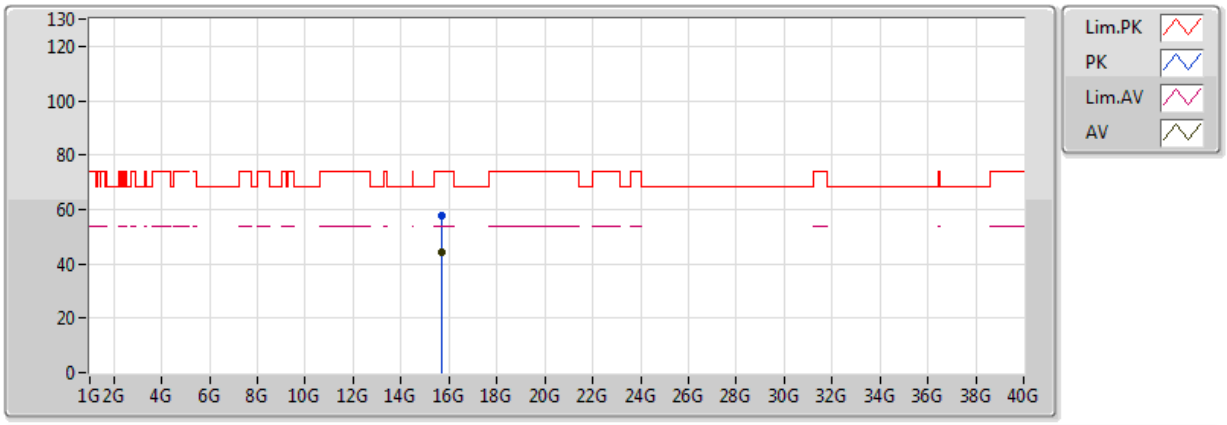


20170217
EUT Z 4TX
Setting 23.5
01-Z-1-10
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1176G	44.42	54.00	-9.58	4.25	3	H	291	1.99	-
AV	5.2466G	110.44	Inf	-Inf	4.53	3	H	291	1.99	-
AV	5.3864G	45.52	54.00	-8.48	4.80	3	H	291	1.99	-
PK	5.1416G	56.85	74.00	-17.15	4.30	3	H	291	1.99	-
PK	5.2466G	120.75	Inf	-Inf	4.53	3	H	291	1.99	-
PK	5.3726G	58.03	74.00	-15.97	4.77	3	H	291	1.99	-

802.11a-BF_Nss1_4TX

5240MHz_TX

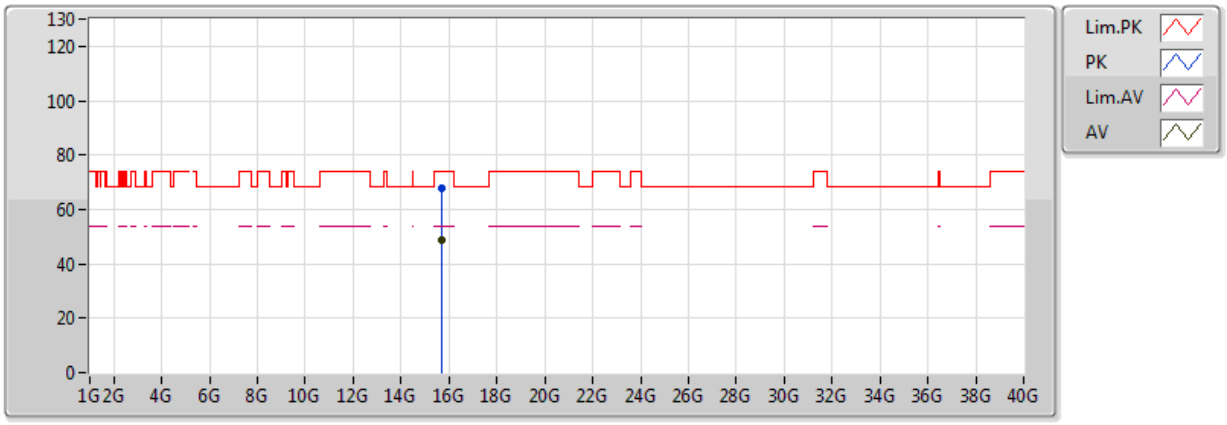


20170217
EUT Z 4TX
Setting 23.5
01-Z-1
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71344G	44.50	54.00	-9.50	13.70	3	V	161	2.38	-
PK	15.71384G	57.72	74.00	-16.28	13.70	3	V	161	2.38	-

802.11a-BF_Nss1_4TX

5240MHz_TX

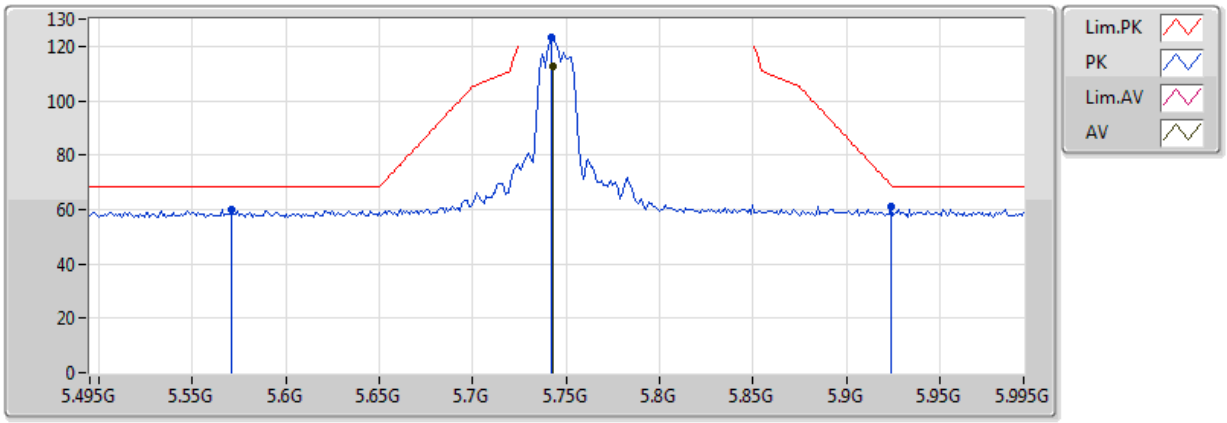


20170217
EUT Z 4TX
Setting 23.5
01-Z-1
FSP(100056)
升0.5 -1.53

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71792G	48.89	54.00	-5.11	13.70	3	H	66	1.75	-
PK	15.72304G	68.00	74.00	-6.00	13.69	3	H	66	1.75	-

802.11a-BF_Nss1_4TX

5745MHz_TX

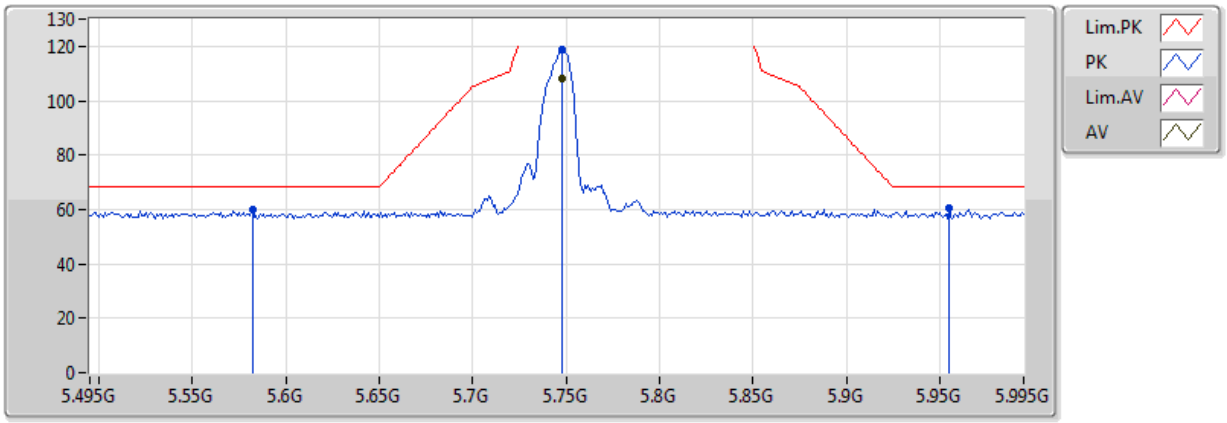


20161124
EUT Z_4TX
Setting 24
02-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.743G	112.89	Inf	-Inf	8.44	3	V	162	1.97	-
PK	5.571G	60.22	68.20	-7.98	8.20	3	V	162	1.97	-
PK	5.742G	123.40	Inf	-Inf	8.44	3	V	162	1.97	-
PK	5.924G	60.93	68.94	-8.01	8.63	3	V	162	1.97	-

802.11a-BF_Nss1_4TX

5745MHz_TX

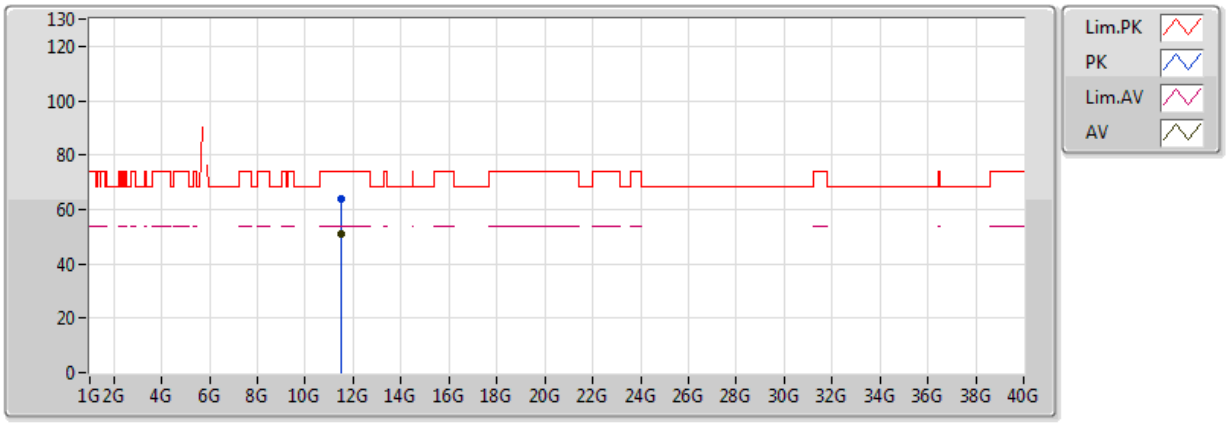


20161124
EUT Z_4TX
Setting 24
02-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.748G	108.10	Inf	-Inf	8.45	3	H	183	1.81	-
PK	5.582G	59.86	68.20	-8.34	8.21	3	H	183	1.81	-
PK	5.748G	118.82	Inf	-Inf	8.45	3	H	183	1.81	-
PK	5.955G	60.28	68.20	-7.92	8.65	3	H	183	1.81	-

802.11a-BF_Nss1_4TX

5745MHz_TX

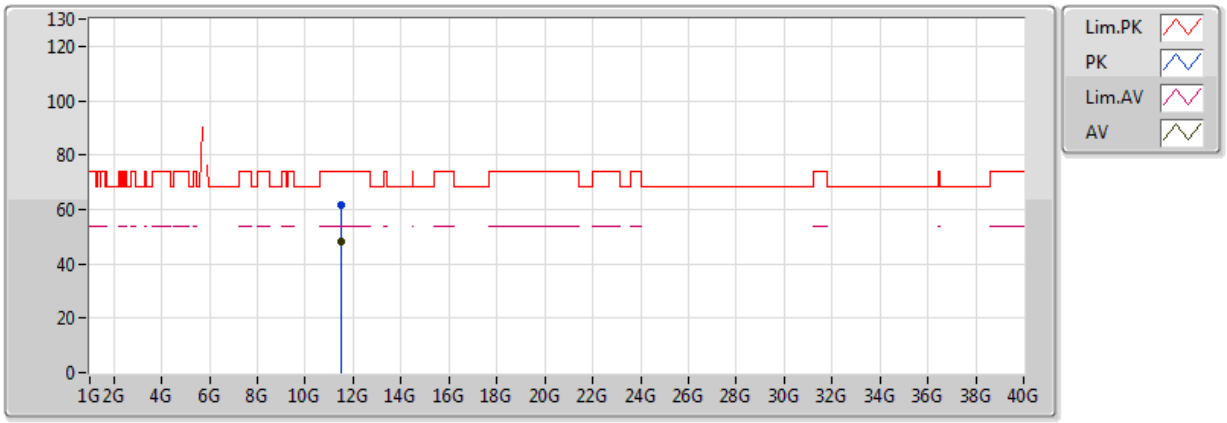


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49612G	50.88	54.00	-3.12	12.13	3	V	143	1.97	-
PK	11.49696G	64.14	74.00	-9.86	12.13	3	V	143	1.97	-

802.11a-BF_Nss1_4TX

5745MHz_TX

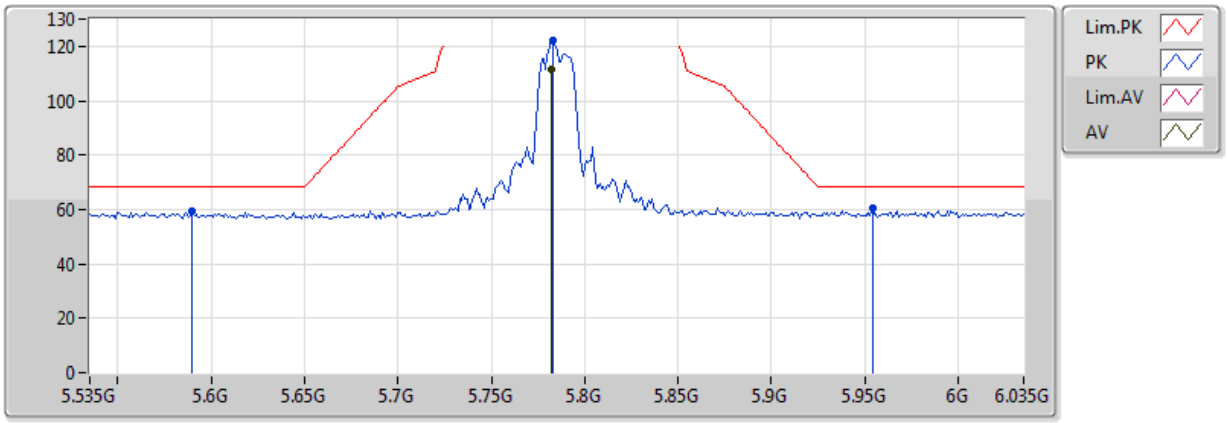


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4957G	48.06	54.00	-5.94	12.13	3	H	111	1.89	-
PK	11.49552G	61.56	74.00	-12.44	12.13	3	H	111	1.89	-

802.11a-BF_Nss1_4TX

5785MHz_TX

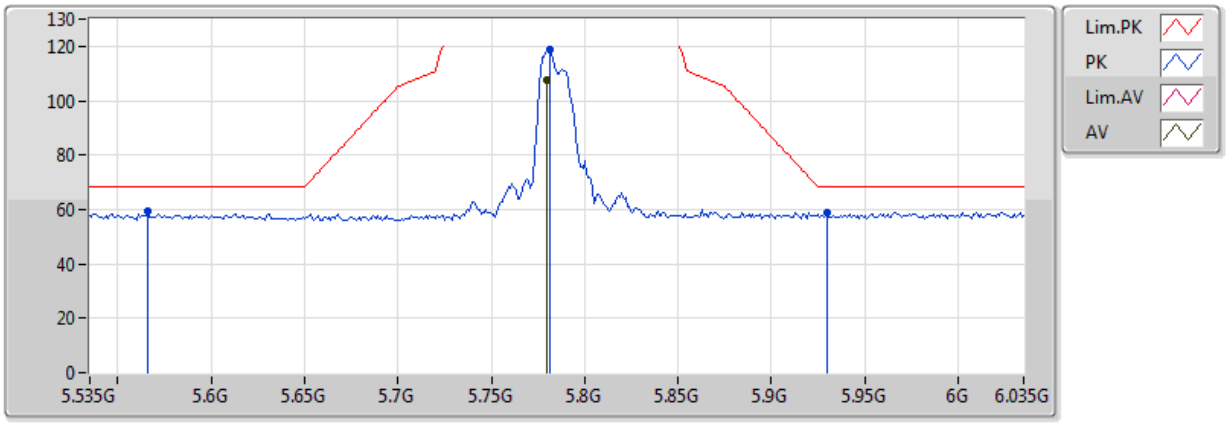


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.782G	111.58	Inf	-Inf	5.97	3	V	166	1.78	-
PK	5.59G	59.51	68.20	-8.69	5.41	3	V	166	1.78	-
PK	5.783G	122.43	Inf	-Inf	5.97	3	V	166	1.78	-
PK	5.954G	60.75	68.20	-7.45	6.61	3	V	166	1.78	-

802.11a-BF_Nss1_4TX

5785MHz_TX

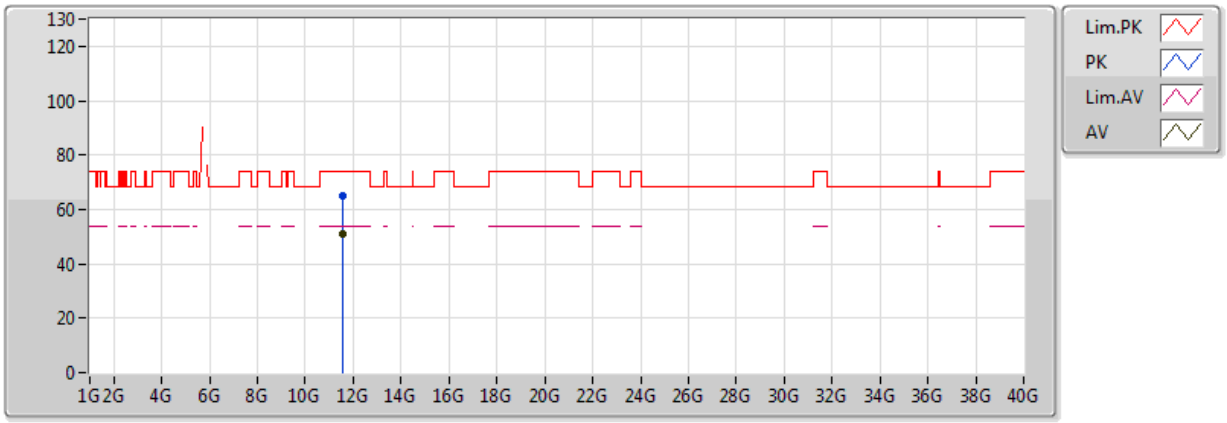


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.78G	107.34	Inf	-Inf	5.96	3	H	198	1.67	-
PK	5.566G	59.17	68.20	-9.03	5.32	3	H	198	1.67	-
PK	5.781G	118.88	Inf	-Inf	5.97	3	H	198	1.67	-
PK	5.93G	58.60	68.20	-9.60	6.52	3	H	198	1.67	-

802.11a-BF_Nss1_4TX

5785MHz_TX

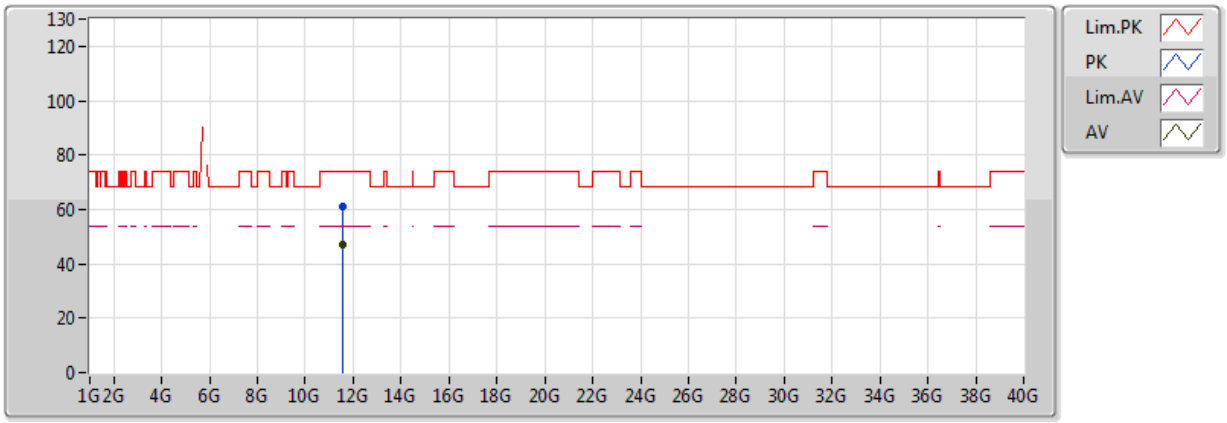


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57624G	50.91	54.00	-3.09	12.17	3	V	145	2.00	-
PK	11.57642G	65.18	74.00	-8.82	12.17	3	V	145	2.00	-

802.11a-BF_Nss1_4TX

5785MHz_TX

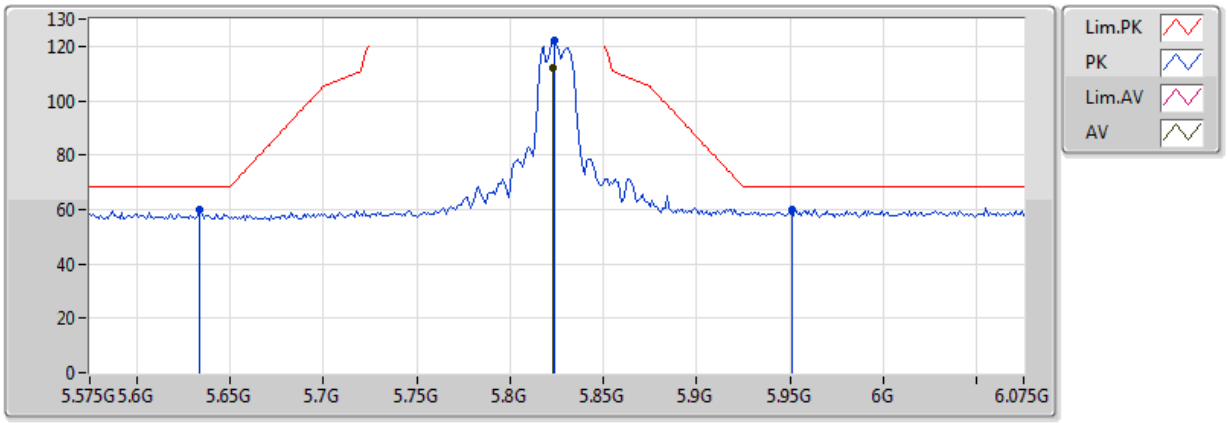


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.576G	47.07	54.00	-6.93	12.17	3	H	111	1.89	-
PK	11.5769G	60.94	74.00	-13.06	12.17	3	H	111	1.89	-

802.11a-BF_Nss1_4TX

5825MHz_TX

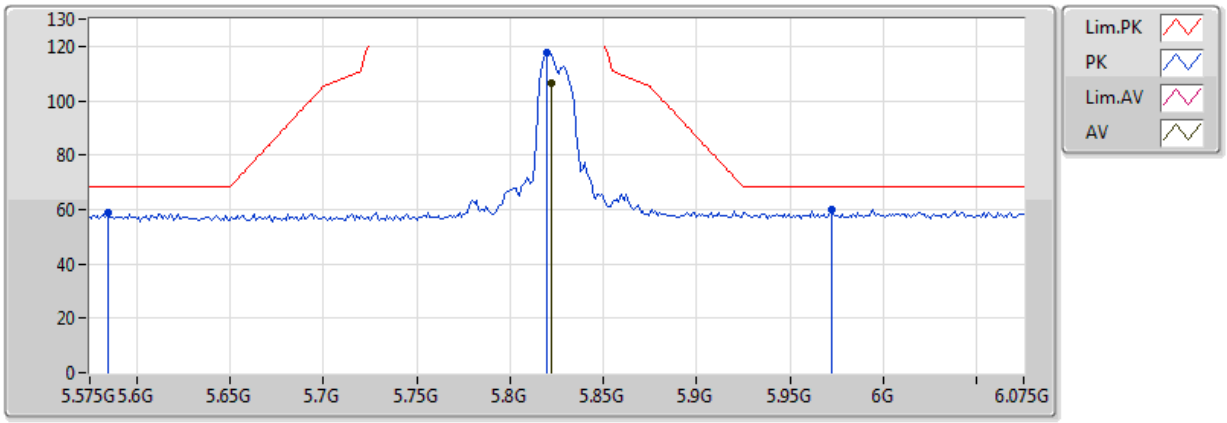


20170218
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.823G	112.14	Inf	-Inf	6.11	3	V	159	1.77	-
PK	5.634G	59.88	68.20	-8.32	5.54	3	V	159	1.77	-
PK	5.824G	122.37	Inf	-Inf	6.11	3	V	159	1.77	-
PK	5.951G	60.17	68.20	-8.03	6.60	3	V	159	1.77	-

802.11a-BF_Nss1_4TX

5825MHz_TX

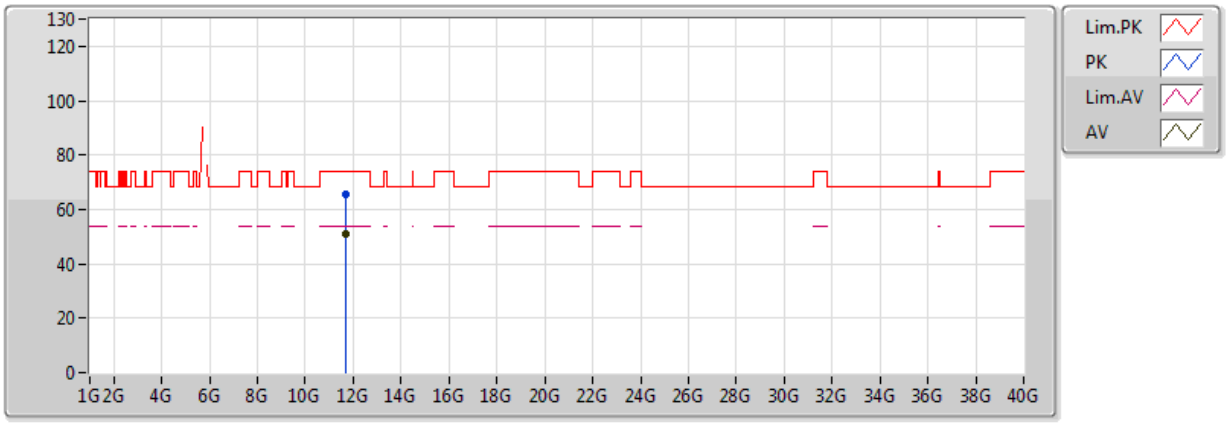


20170218
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.822G	106.62	Inf	-Inf	6.11	3	H	196	1.68	-
PK	5.585G	58.94	68.20	-9.26	5.39	3	H	196	1.68	-
PK	5.82G	117.58	Inf	-Inf	6.10	3	H	196	1.68	-
PK	5.972G	60.19	68.20	-8.01	6.68	3	H	196	1.68	-

802.11a-BF_Nss1_4TX

5825MHz_TX

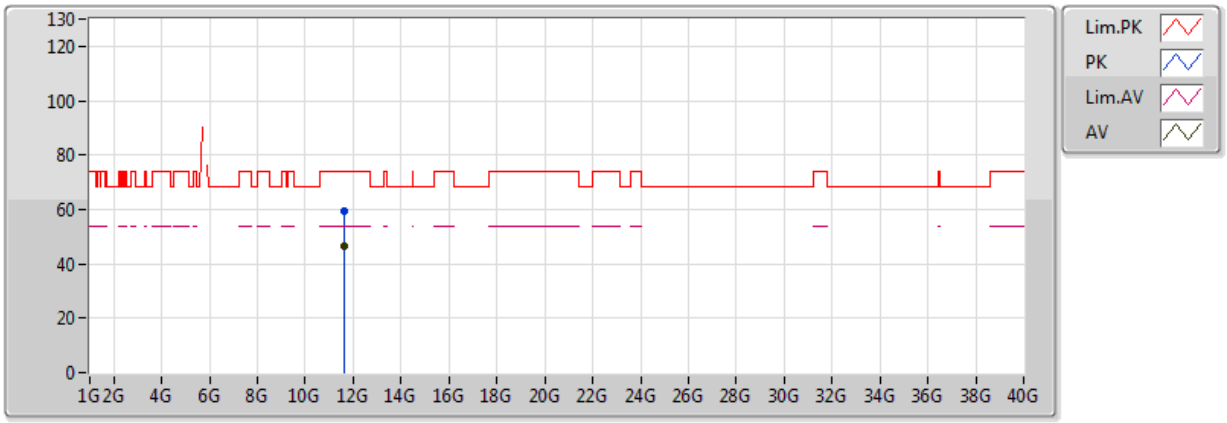


20170218
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.6575G	50.85	54.00	-3.15	12.21	3	V	144	1.94	-
PK	11.65762G	65.30	74.00	-8.70	12.21	3	V	144	1.94	-

802.11a-BF_Nss1_4TX

5825MHz_TX

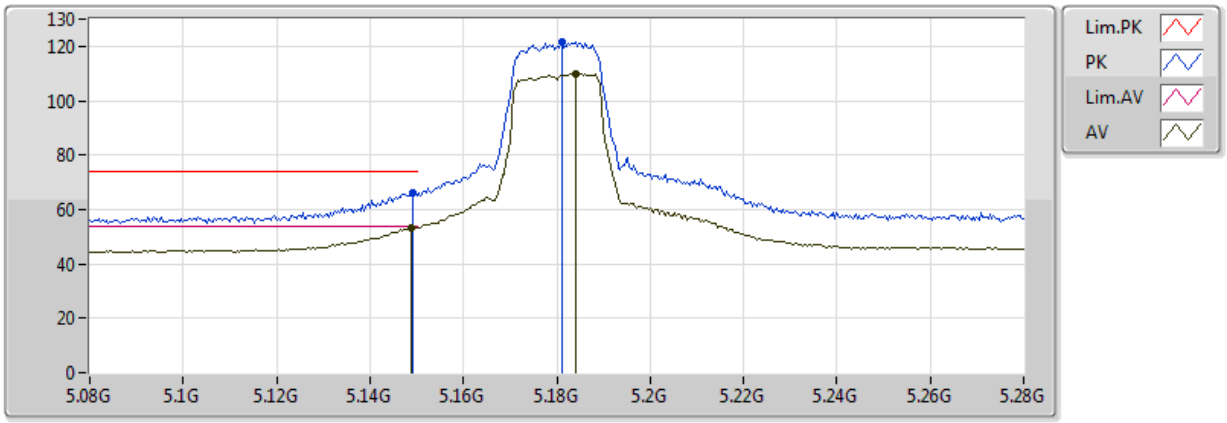


20170218
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.64796G	46.24	54.00	-7.76	12.21	3	H	118	1.94	-
PK	11.6467G	59.54	74.00	-14.46	12.21	3	H	118	1.94	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

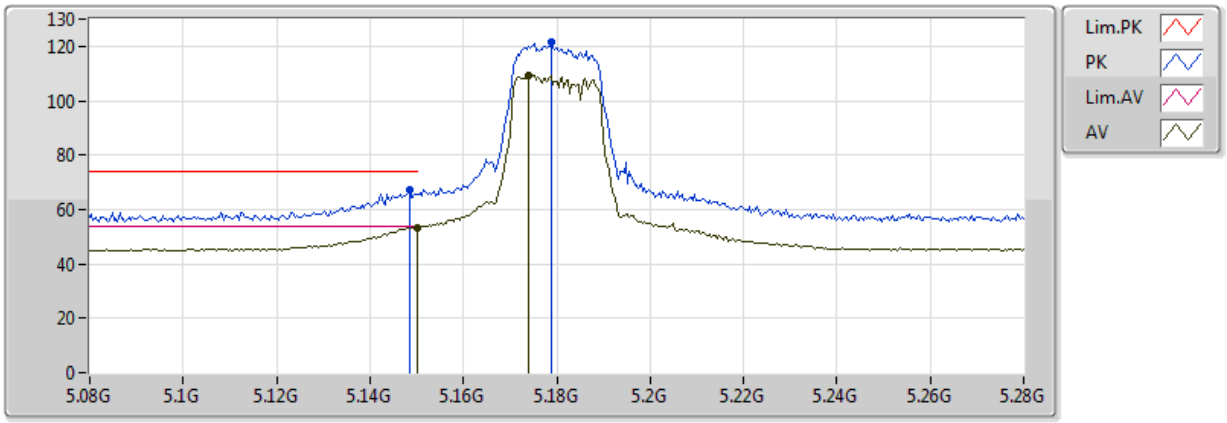


20170218
EUT Z_4TX
Setting 23.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1488G	53.39	54.00	-0.61	4.32	3	V	285	1.89	-
AV	5.184G	109.79	Inf	-Inf	4.39	3	V	285	1.89	-
PK	5.1492G	65.97	74.00	-8.03	4.32	3	V	285	1.89	-
PK	5.1812G	121.71	Inf	-Inf	4.39	3	V	285	1.89	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

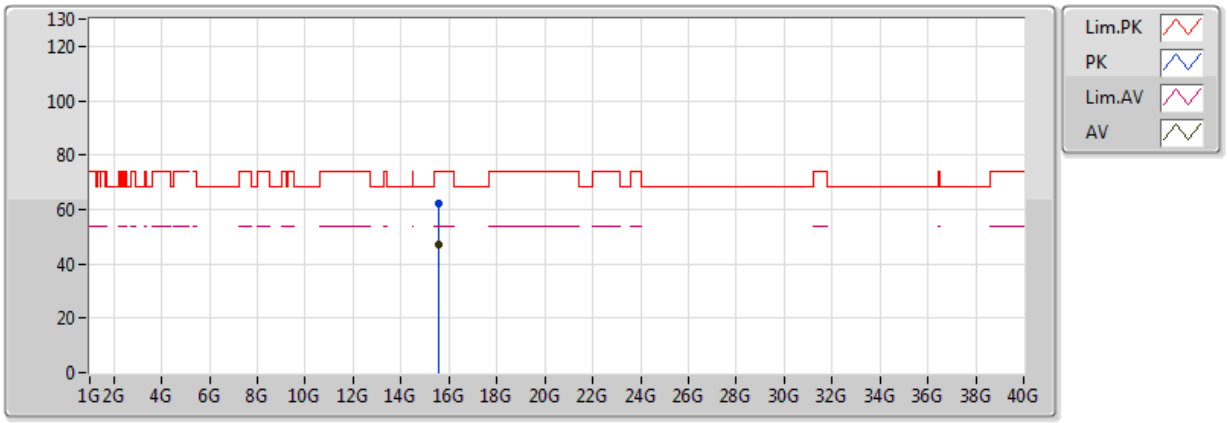


20170218
EUT Z_4TX
Setting 23.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.46	54.00	-0.54	4.32	3	H	306	1.90	-
AV	5.174G	109.33	Inf	-Inf	4.37	3	H	306	1.90	-
PK	5.1484G	67.00	74.00	-7.00	4.32	3	H	306	1.90	-
PK	5.1788G	121.49	Inf	-Inf	4.38	3	H	306	1.90	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

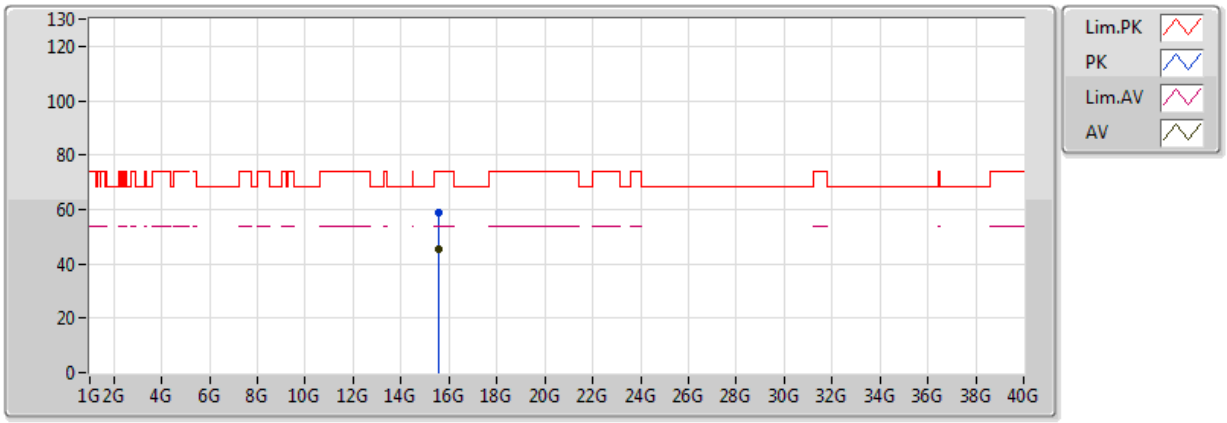


20170218
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5436G	46.92	54.00	-7.08	13.90	3	V	170	2.11	-
PK	15.5476G	62.08	74.00	-11.92	13.90	3	V	170	2.11	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5180MHz_TX

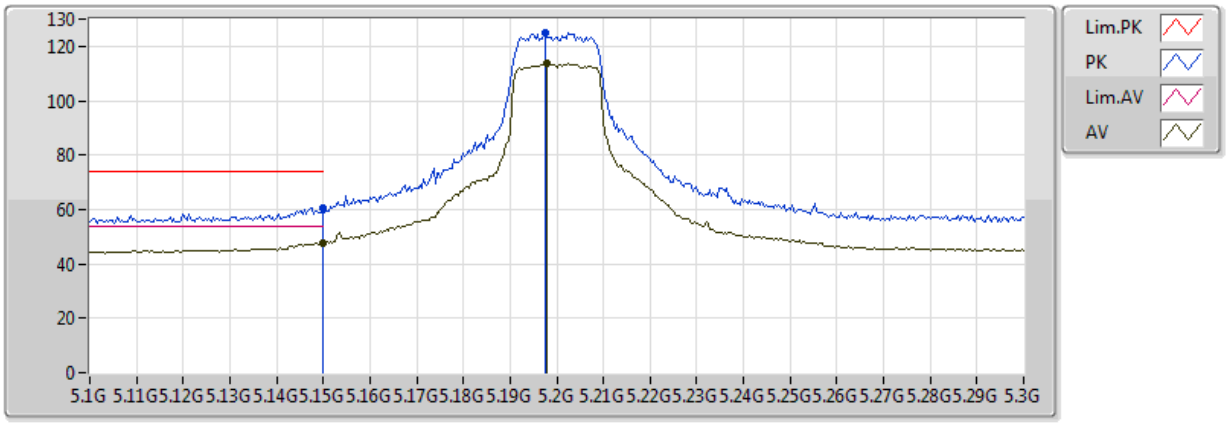


20170218
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5476G	45.51	54.00	-8.49	13.90	3	H	208	1.50	-
PK	15.54084G	58.96	74.00	-15.04	13.91	3	H	208	1.50	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

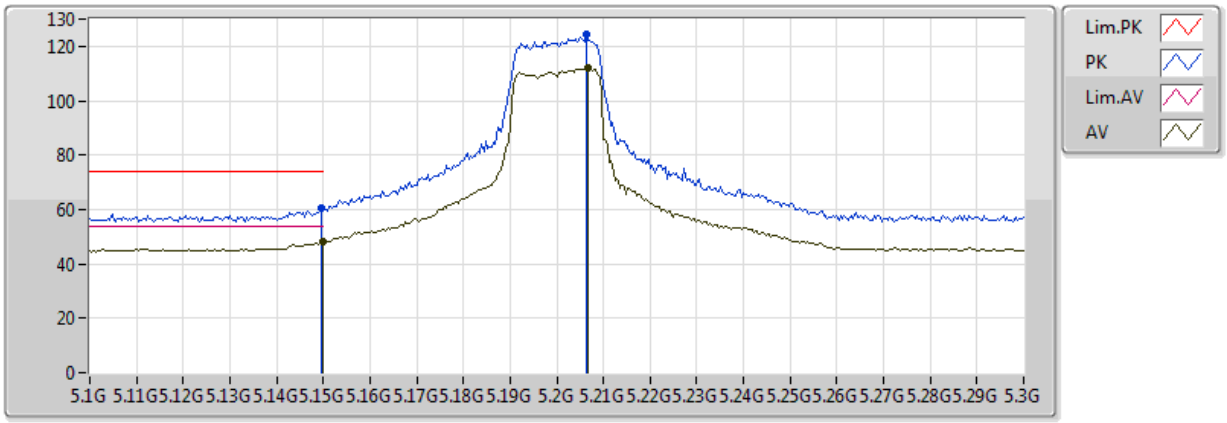


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	47.49	54.00	-6.51	4.32	3	V	282	1.92	-
AV	5.198G	113.56	Inf	-Inf	4.43	3	V	282	1.92	-
PK	5.149995G	60.66	74.00	-13.34	4.32	3	V	282	1.92	-
PK	5.1976G	125.05	Inf	-Inf	4.42	3	V	282	1.92	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

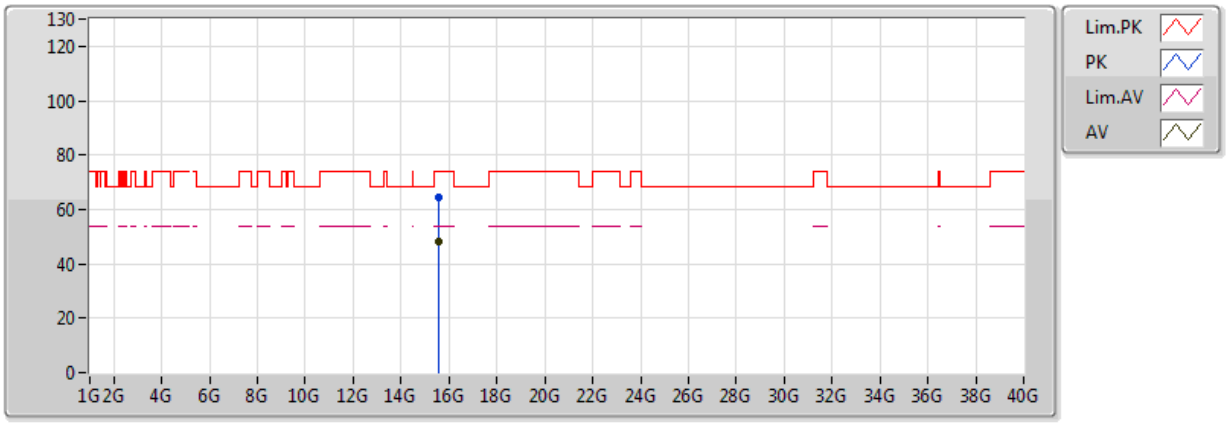


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	48.03	54.00	-5.97	4.32	3	H	304	1.86	-
AV	5.2068G	111.97	Inf	-Inf	4.44	3	H	304	1.86	-
PK	5.1496G	60.57	74.00	-13.43	4.32	3	H	304	1.86	-
PK	5.2064G	124.23	Inf	-Inf	4.44	3	H	304	1.86	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

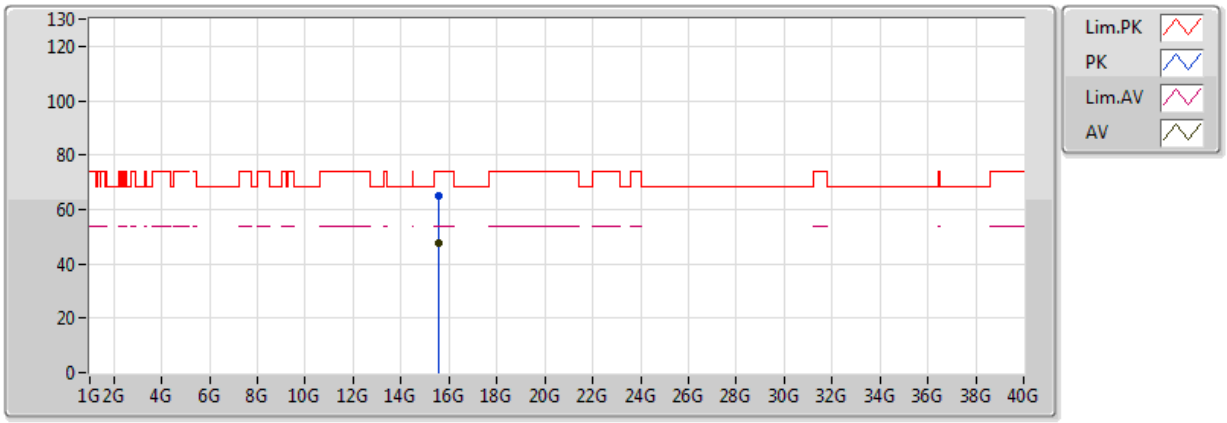


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5966G	48.17	54.00	-5.83	13.84	3	V	169	2.20	-
PK	15.59528G	64.31	74.00	-9.69	13.84	3	V	169	2.20	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5200MHz_TX

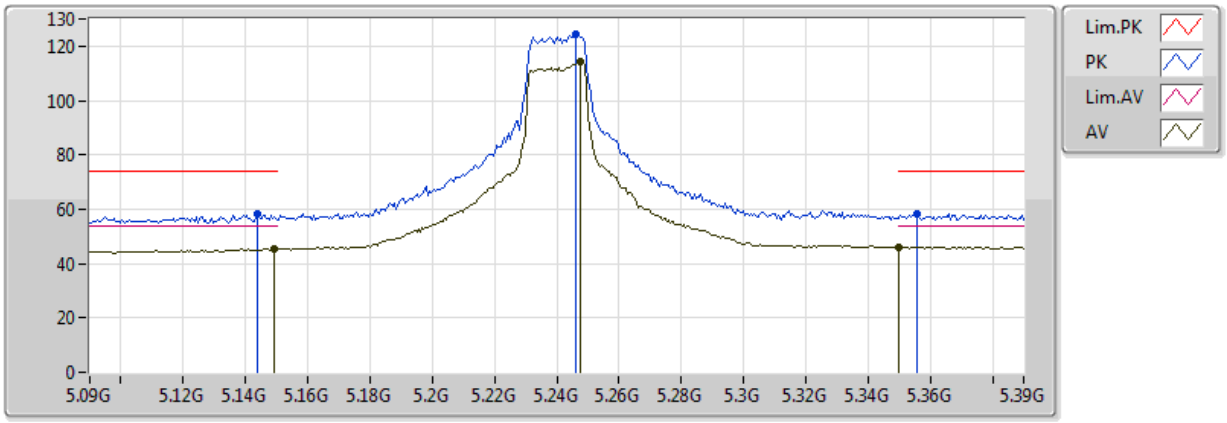


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.601G	47.67	54.00	-6.33	13.83	3	H	106	1.82	-
PK	15.5982G	64.76	74.00	-9.24	13.84	3	H	106	1.82	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

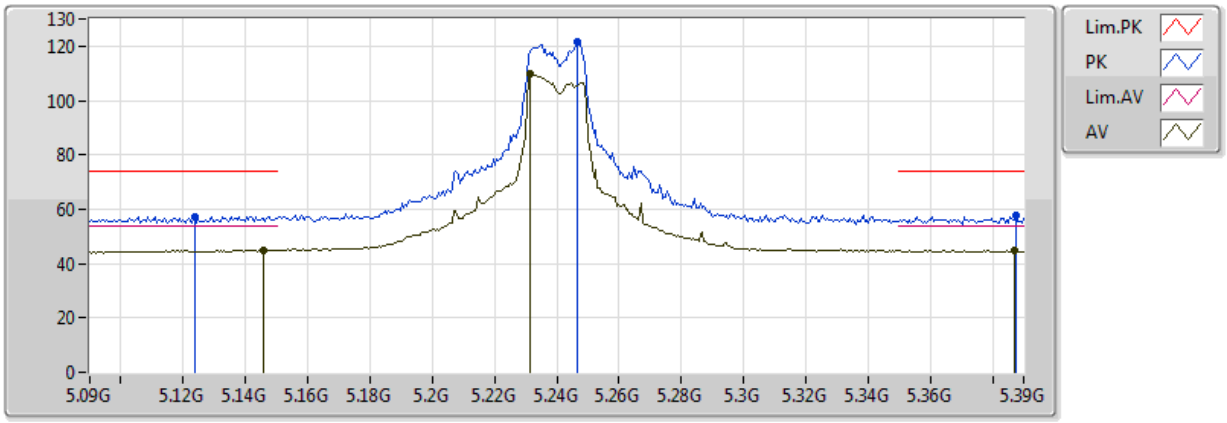


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1494G	45.50	54.00	-8.50	4.32	3	V	201	2.20	-
AV	5.2478G	114.28	Inf	-Inf	4.53	3	V	201	2.20	-
AV	5.350005G	46.13	54.00	-7.87	4.73	3	V	201	2.20	-
PK	5.144G	58.18	74.00	-15.82	4.31	3	V	201	2.20	-
PK	5.246G	124.13	Inf	-Inf	4.53	3	V	201	2.20	-
PK	5.3558G	58.44	74.00	-15.56	4.74	3	V	201	2.20	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

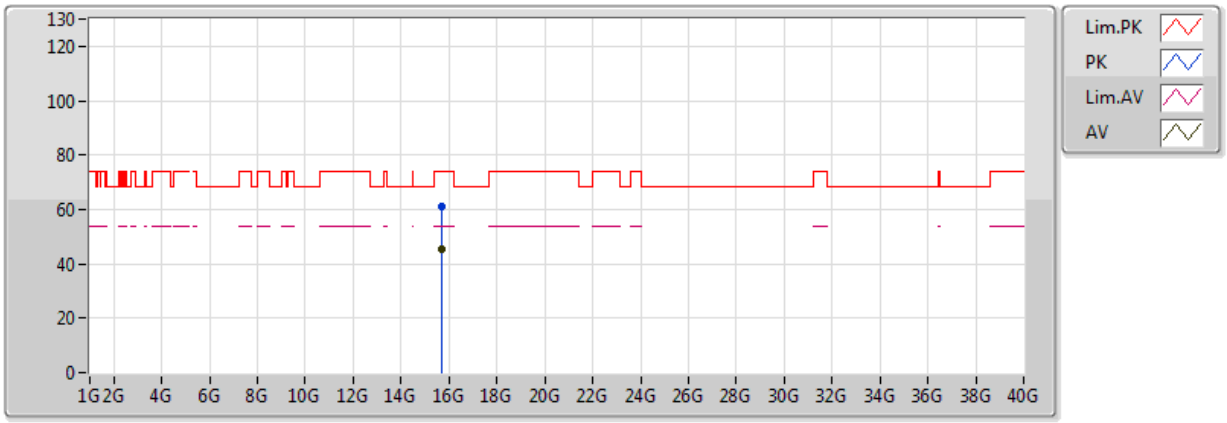


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1458G	45.08	54.00	-8.92	4.31	3	H	307	2.06	-
AV	5.2316G	109.65	Inf	-Inf	4.50	3	H	307	2.06	-
AV	5.387G	44.82	54.00	-9.18	4.80	3	H	307	2.06	-
PK	5.1236G	57.25	74.00	-16.75	4.26	3	H	307	2.06	-
PK	5.2466G	121.54	Inf	-Inf	4.53	3	H	307	2.06	-
PK	5.3876G	57.85	74.00	-16.15	4.80	3	H	307	2.06	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

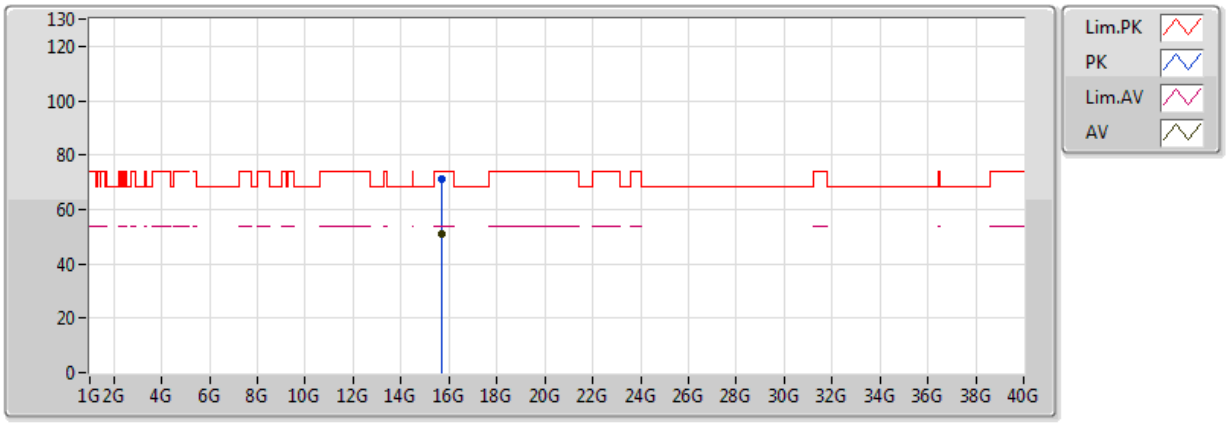


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71404G	45.28	54.00	-8.72	13.70	3	V	45	2.99	-
PK	15.72276G	60.81	74.00	-13.19	13.69	3	V	45	2.99	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5240MHz_TX

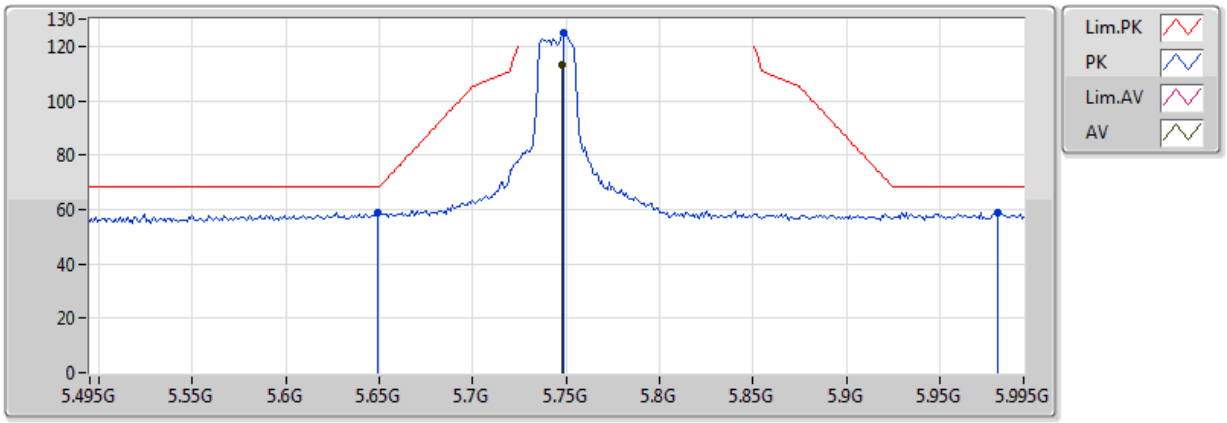


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72664G	50.89	54.00	-3.11	13.69	3	H	79	1.83	-
PK	15.7158G	70.95	74.00	-3.05	13.70	3	H	79	1.83	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

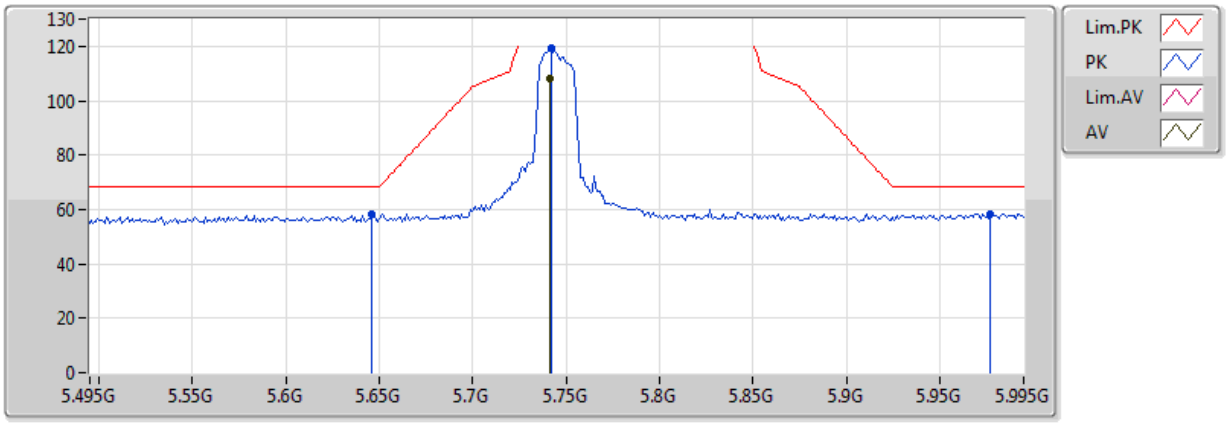


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.748G	113.28	Inf	-Inf	5.87	3	V	334	2.03	-
PK	5.649G	58.70	68.20	-9.50	5.59	3	V	334	2.03	-
PK	5.749G	124.78	Inf	-Inf	5.88	3	V	334	2.03	-
PK	5.981G	59.02	68.20	-9.18	6.71	3	V	334	2.03	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

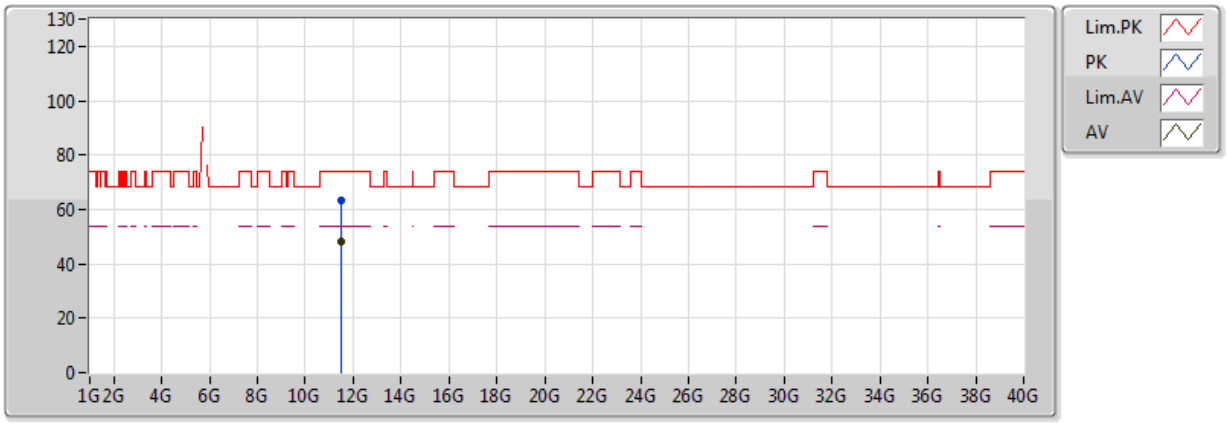


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.741G	107.87	Inf	-Inf	5.85	3	H	257	2.01	-
PK	5.646G	58.12	68.20	-10.08	5.58	3	H	257	2.01	-
PK	5.742G	119.13	Inf	-Inf	5.86	3	H	257	2.01	-
PK	5.977G	58.35	68.20	-9.85	6.69	3	H	257	2.01	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

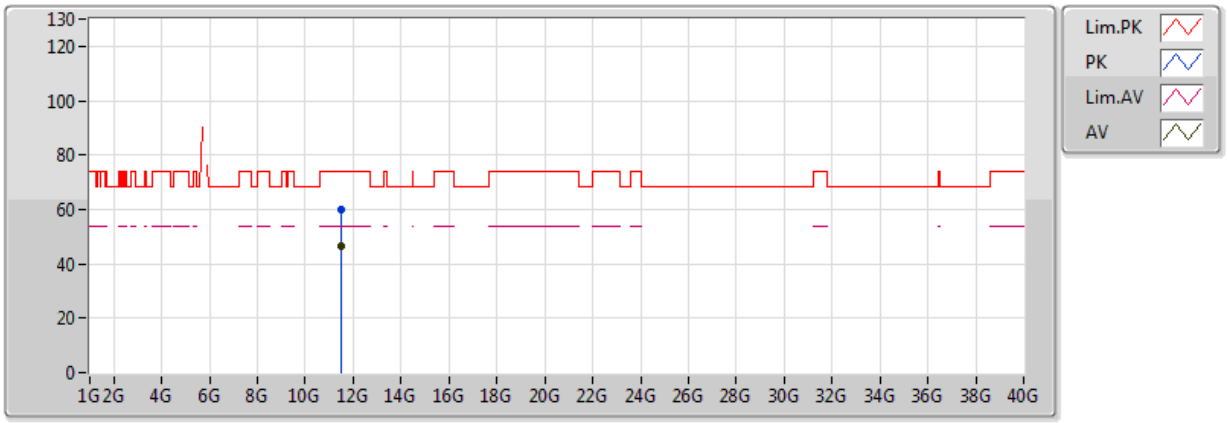


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.48646G	48.40	54.00	-5.60	12.12	3	V	146	1.91	-
PK	11.48838G	63.33	74.00	-10.67	12.12	3	V	146	1.91	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5745MHz_TX

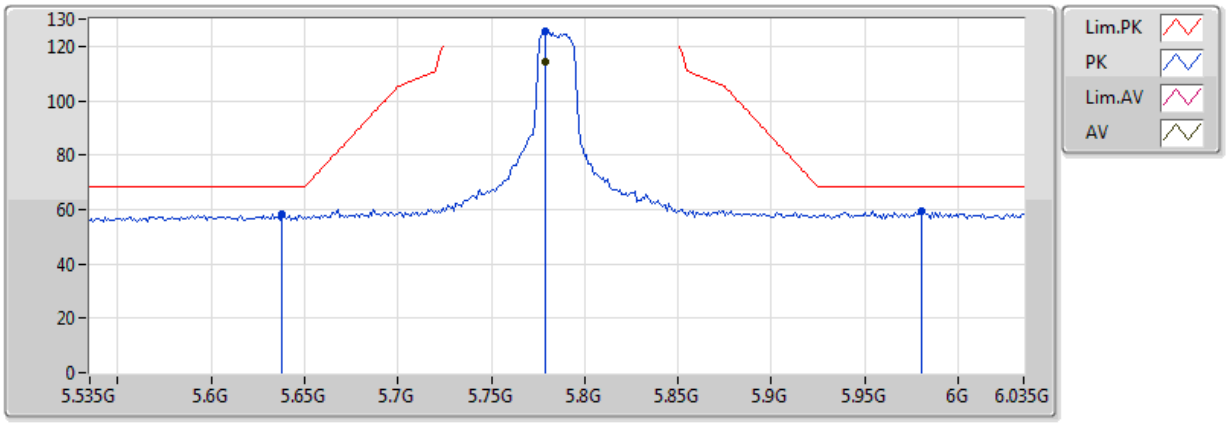


20170218
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49552G	46.71	54.00	-7.29	12.13	3	H	110	1.78	-
PK	11.49712G	59.70	74.00	-14.30	12.13	3	H	110	1.78	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

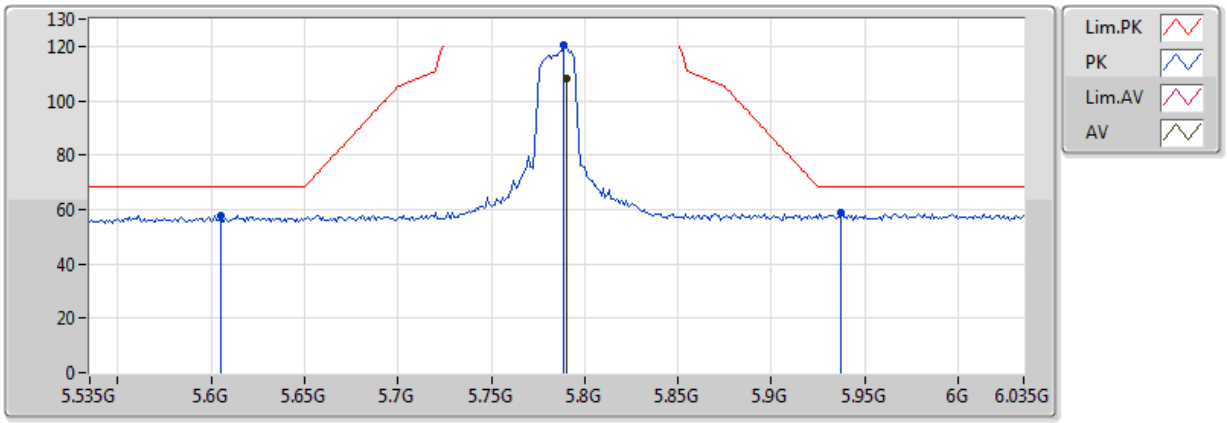


2070228
EUT Z_4TX
Setting 24.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.779G	114.35	Inf	-Inf	5.96	3	V	143	2.02	-
PK	5.638G	58.48	68.20	-9.72	5.55	3	V	143	2.02	-
PK	5.779G	125.42	Inf	-Inf	5.96	3	V	143	2.02	-
PK	5.98G	59.32	68.20	-8.88	6.71	3	V	143	2.02	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

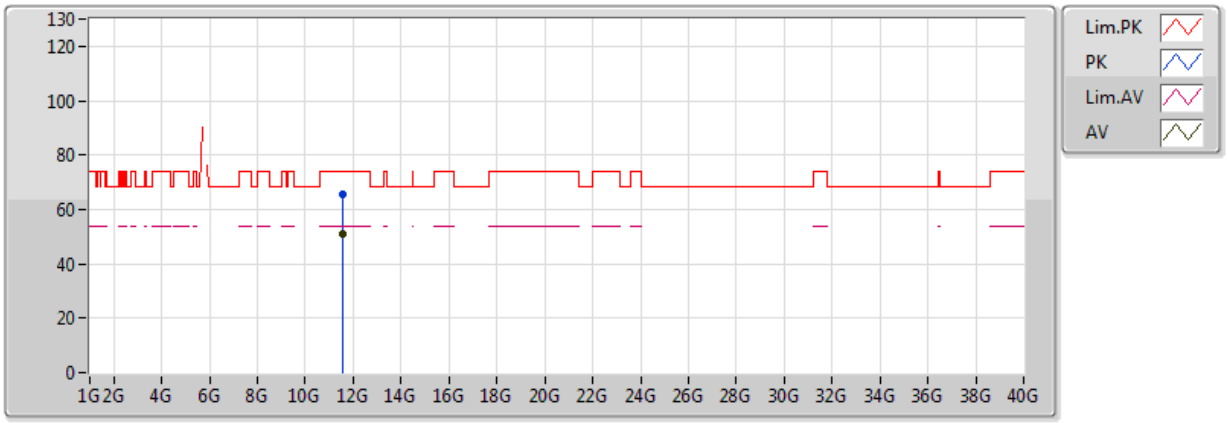


2070228
EUT Z_4TX
Setting 24.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.79G	107.94	Inf	-Inf	5.99	3	H	262	1.92	-
PK	5.605G	57.91	68.20	-10.29	5.45	3	H	262	1.92	-
PK	5.789G	120.51	Inf	-Inf	5.99	3	H	262	1.92	-
PK	5.937G	58.91	68.20	-9.29	6.55	3	H	262	1.92	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

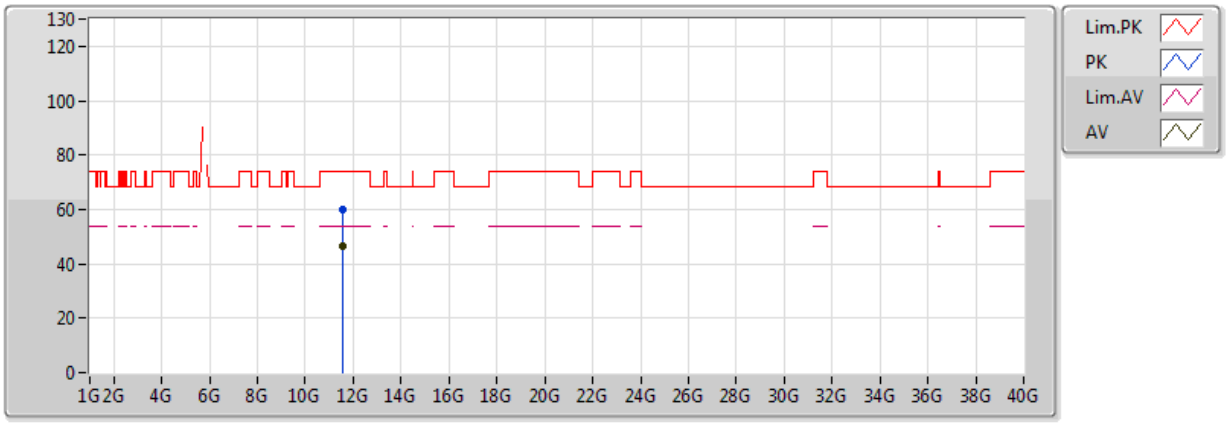


2070228
EUT Z_4TX
Setting 24.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57108G	50.89	54.00	-3.11	12.17	3	V	145	2.00	-
PK	11.57708G	65.80	74.00	-8.20	12.17	3	V	145	2.00	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5785MHz_TX

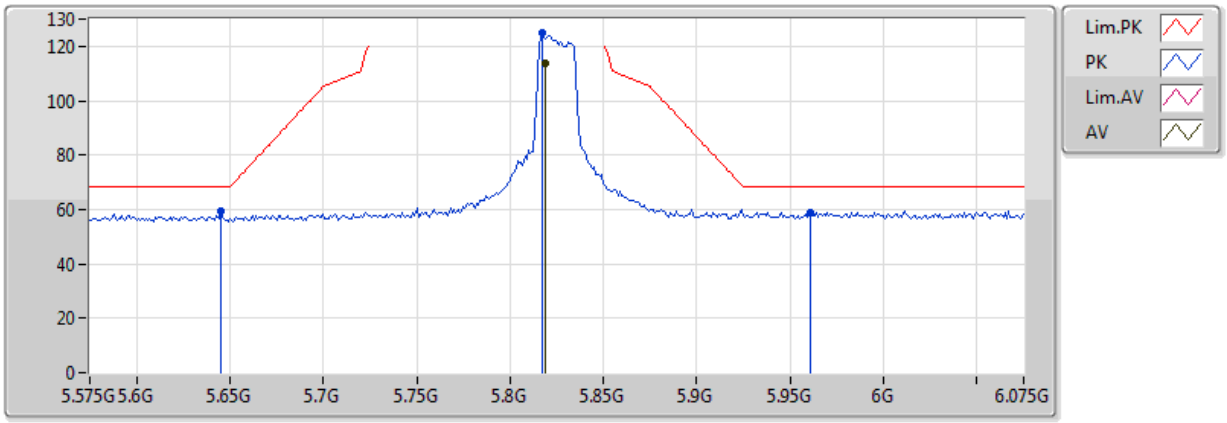


2070228
EUT Z_4TX
Setting 24.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57648G	46.67	54.00	-7.33	12.17	3	H	264	1.80	-
PK	11.57366G	60.12	74.00	-13.88	12.17	3	H	264	1.80	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

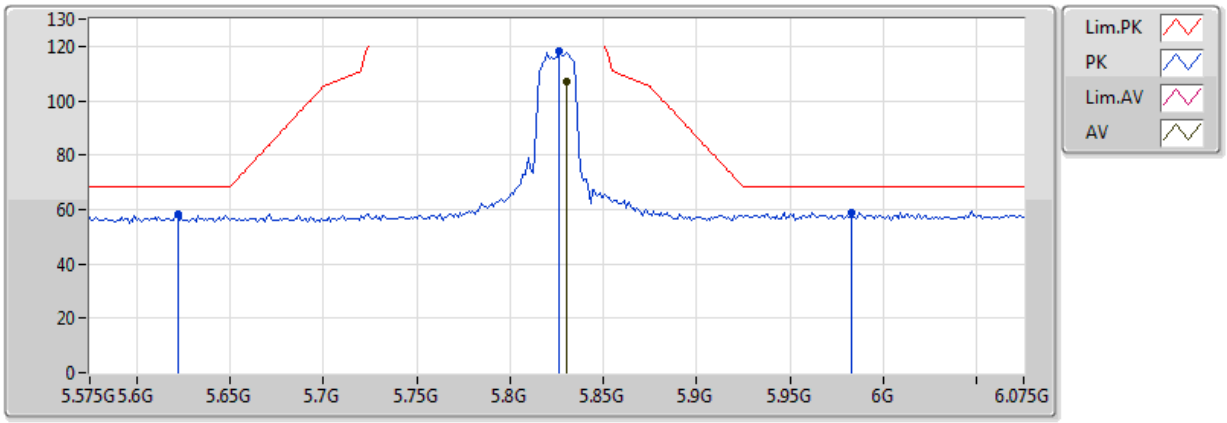


2070228
EUT Z_4TX
Setting 23.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.819G	113.48	Inf	-Inf	6.09	3	V	196	2.07	-
PK	5.645G	59.31	68.20	-8.89	5.57	3	V	196	2.07	-
PK	5.817G	124.84	Inf	-Inf	6.09	3	V	196	2.07	-
PK	5.961G	59.03	68.20	-9.17	6.64	3	V	196	2.07	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

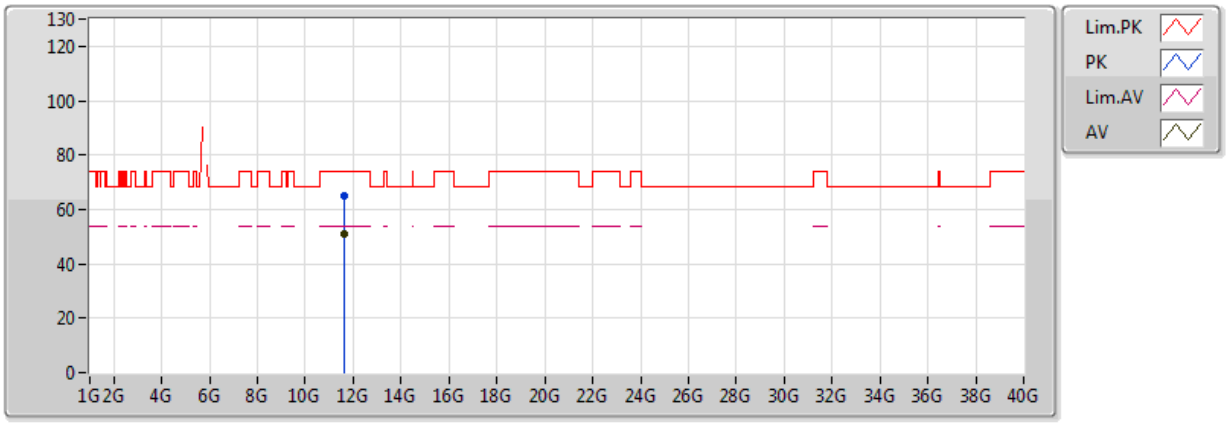


2070228
EUT Z_4TX
Setting 23.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.83G	106.91	Inf	-Inf	6.14	3	H	262	1.72	-
PK	5.622G	58.54	68.20	-9.66	5.51	3	H	262	1.72	-
PK	5.826G	117.99	Inf	-Inf	6.12	3	H	262	1.72	-
PK	5.983G	58.83	68.20	-9.37	6.72	3	H	262	1.72	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

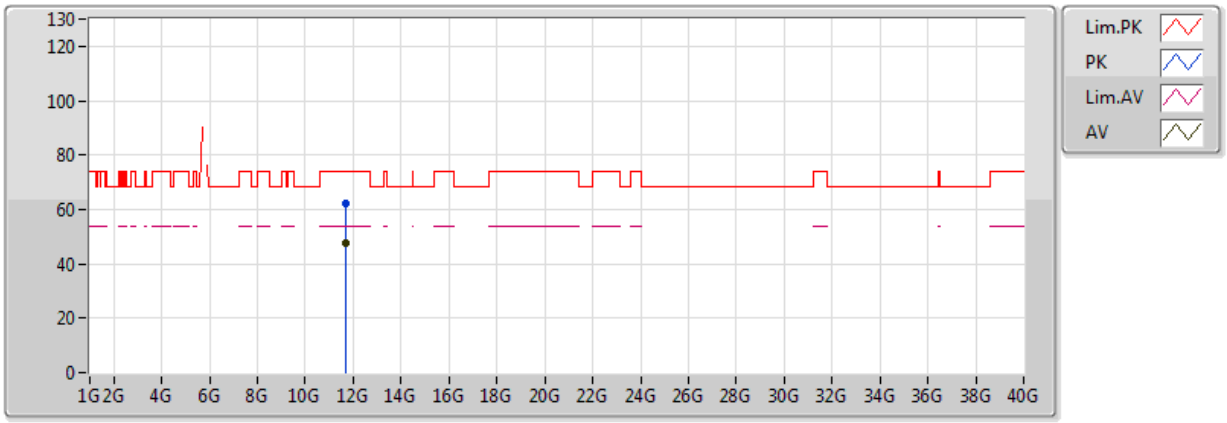


2070228
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.647G	50.86	54.00	-3.14	12.21	3	V	147	2.44	-
PK	11.6564G	64.91	74.00	-9.09	12.21	3	V	147	2.44	-

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

5825MHz_TX

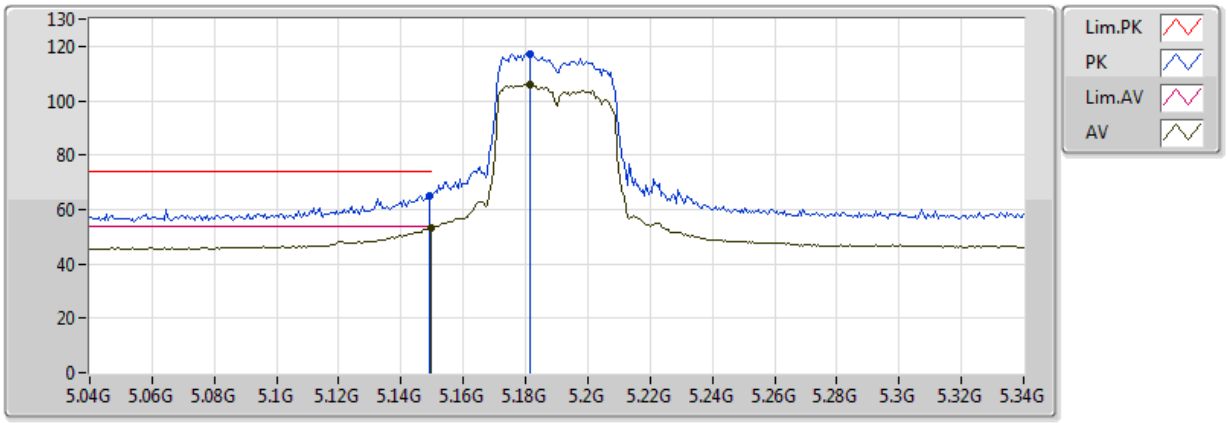


2070228
EUT Z_4TX
Setting 23.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.6593G	47.49	54.00	-6.51	12.21	3	H	266	1.79	-
PK	11.6577G	61.96	74.00	-12.04	12.21	3	H	266	1.79	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

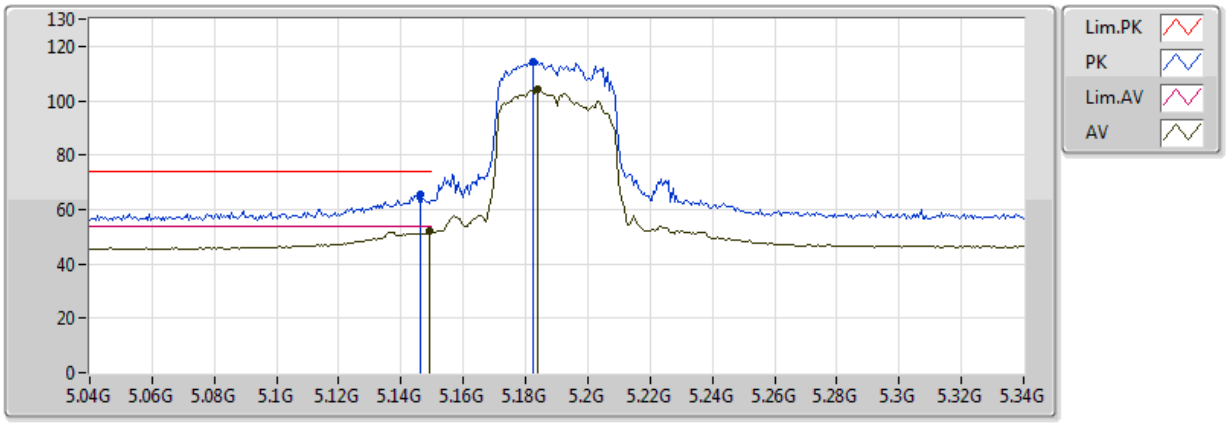


20161124
EUT Z_4TX
Setting 20.5
02-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1498G	53.27	54.00	-0.73	7.24	3	V	120	1.74	-
AV	5.1816G	106.11	Inf	-Inf	7.32	3	V	120	1.74	-
PK	5.1492G	65.06	74.00	-8.94	7.24	3	V	120	1.74	-
PK	5.1816G	117.19	Inf	-Inf	7.32	3	V	120	1.74	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

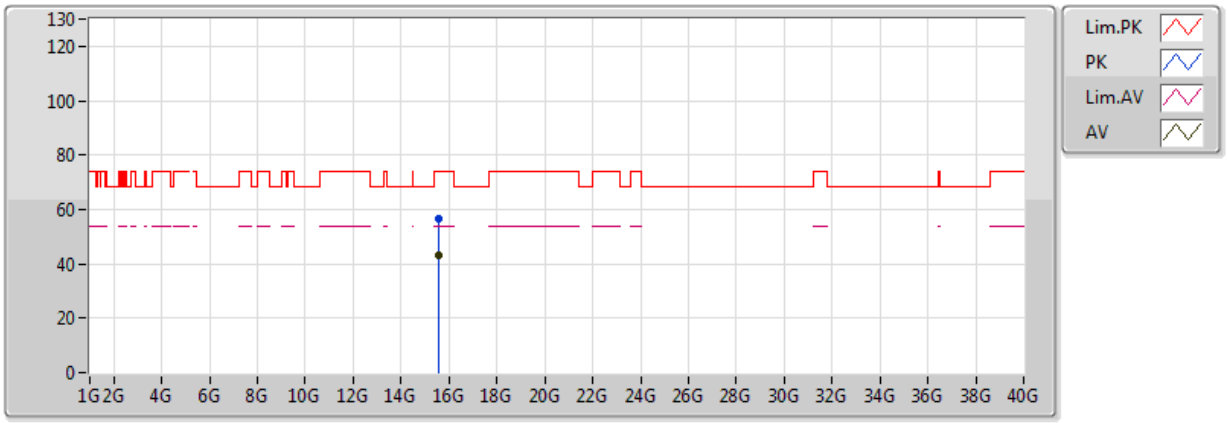


20161124
EUT Z_4TX
Setting 20.5
02-W-3

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	51.84	54.00	-2.16	7.24	3	H	297	1.89	-
AV	5.184G	104.07	Inf	-Inf	7.33	3	H	297	1.89	-
PK	5.1462G	65.81	74.00	-8.19	7.24	3	H	297	1.89	-
PK	5.1822G	114.17	Inf	-Inf	7.33	3	H	297	1.89	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

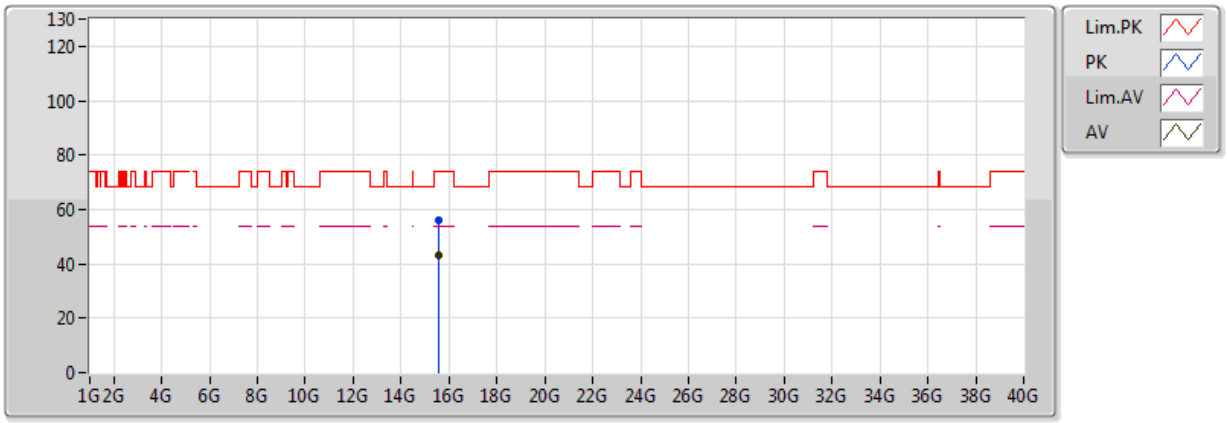


2070228
EUT Z_4TX
Setting 20.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57624G	43.03	54.00	-10.97	13.86	3	V	259	1.50	-
PK	15.56892G	56.33	74.00	-17.67	13.87	3	V	259	1.50	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5190MHz_TX

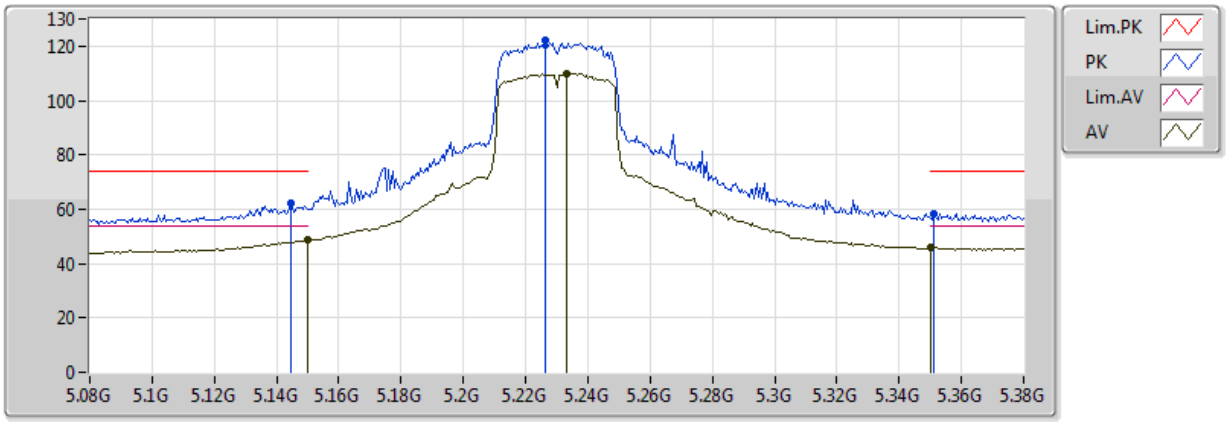


2070228
EUT Z_4TX
Setting 20.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.56304G	42.95	54.00	-11.05	13.88	3	H	342	1.53	-
PK	15.55638G	56.00	74.00	-18.00	13.89	3	H	342	1.53	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

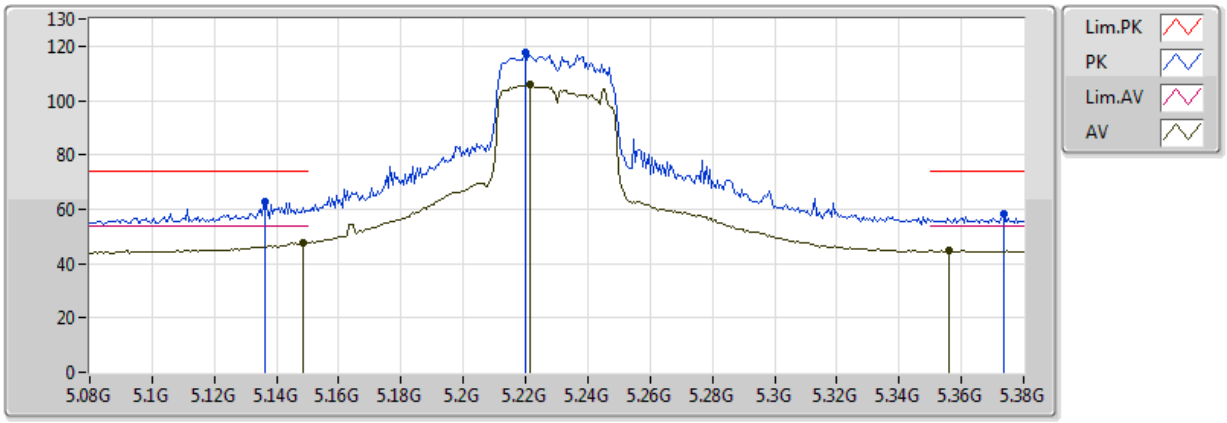


2070228
EUT Z_4TX
Setting 23
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	48.97	54.00	-5.03	4.32	3	V	209	2.00	-
AV	5.233G	109.89	Inf	-Inf	4.50	3	V	209	2.00	-
AV	5.350005G	45.81	54.00	-8.19	4.73	3	V	209	2.00	-
PK	5.1448G	62.15	74.00	-11.85	4.31	3	V	209	2.00	-
PK	5.2264G	122.29	Inf	-Inf	4.49	3	V	209	2.00	-
PK	5.3512G	58.53	74.00	-15.47	4.73	3	V	209	2.00	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

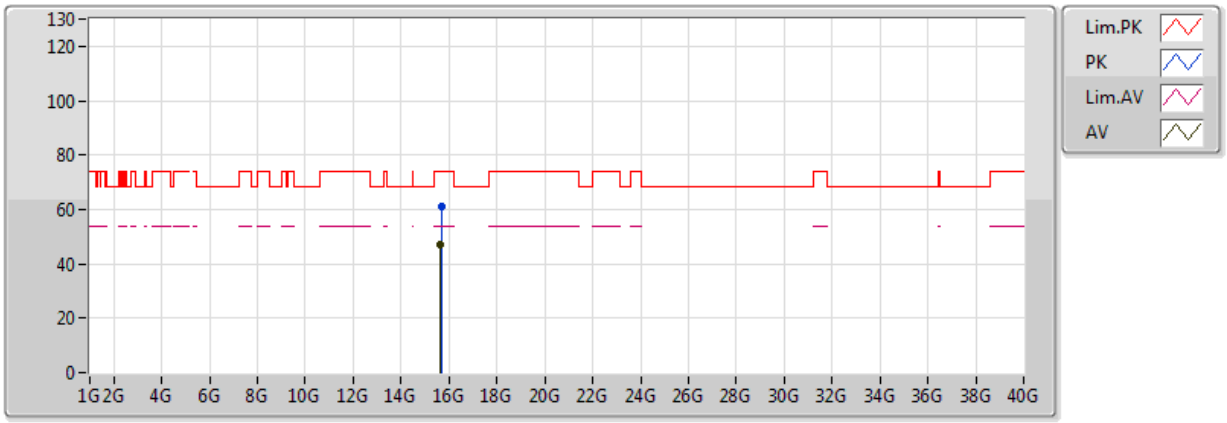


2070228
EUT Z_4TX
Setting 23
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	47.78	54.00	-6.22	4.32	3	H	310	1.90	-
AV	5.2216G	105.97	Inf	-Inf	4.48	3	H	310	1.90	-
AV	5.356G	44.80	54.00	-9.20	4.74	3	H	310	1.90	-
PK	5.1364G	62.70	74.00	-11.30	4.29	3	H	310	1.90	-
PK	5.2198G	117.50	Inf	-Inf	4.47	3	H	310	1.90	-
PK	5.3734G	58.01	74.00	-15.99	4.77	3	H	310	1.90	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

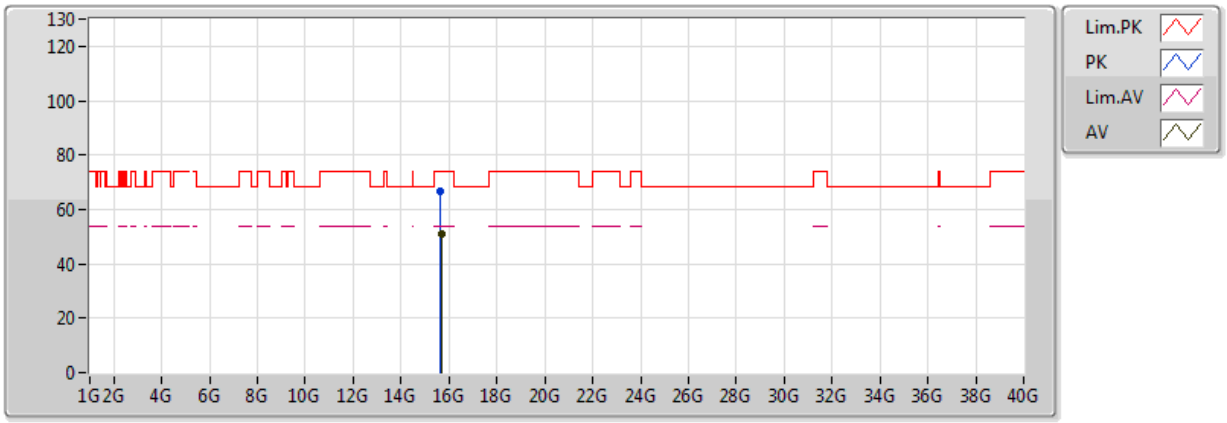


2070228
EUT Z_4TX
Setting 23
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6612G	46.92	54.00	-7.08	13.76	3	V	219	2.09	-
PK	15.7032G	61.32	74.00	-12.68	13.71	3	V	219	2.09	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5230MHz_TX

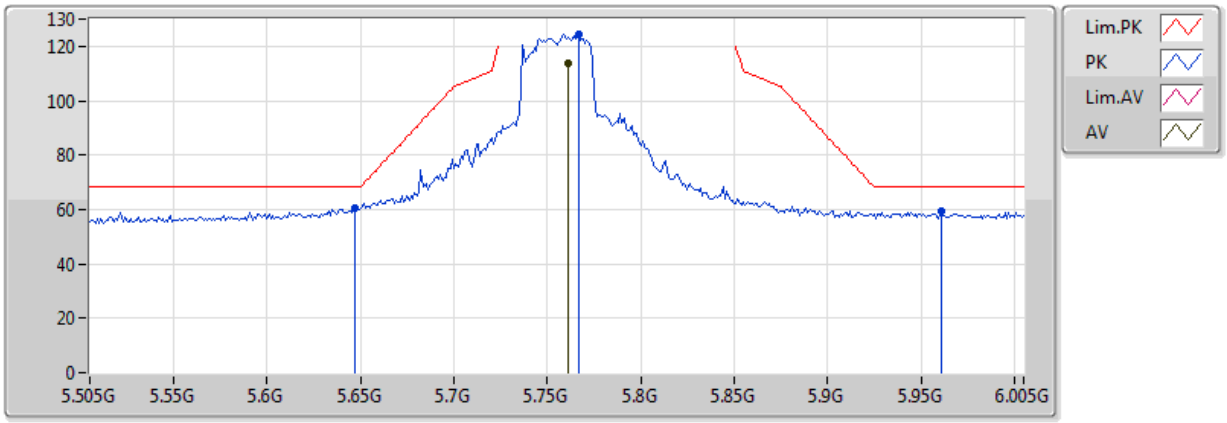


2070228
EUT Z_4TX
Setting 23
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.671G	50.98	54.00	-3.02	13.75	3	H	78	1.70	-
PK	15.6588G	66.43	74.00	-7.57	13.77	3	H	78	1.70	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

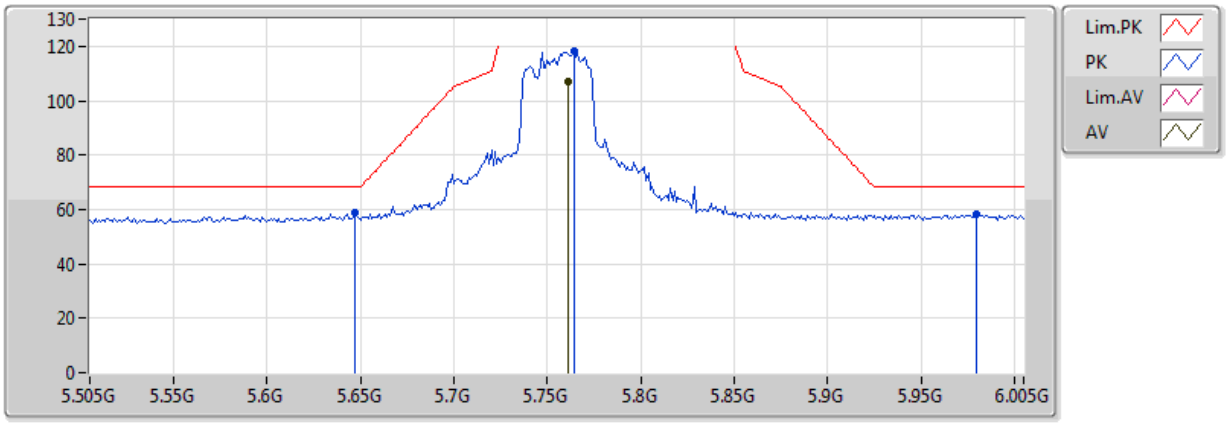


2070228
EUT Z_4TX
Setting 25
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.761G	113.70	Inf	-Inf	5.91	3	V	155	2.04	-
PK	5.647G	60.70	68.20	-7.50	5.58	3	V	155	2.04	-
PK	5.767G	124.22	Inf	-Inf	5.93	3	V	155	2.04	-
PK	5.961G	59.15	68.20	-9.05	6.64	3	V	155	2.04	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

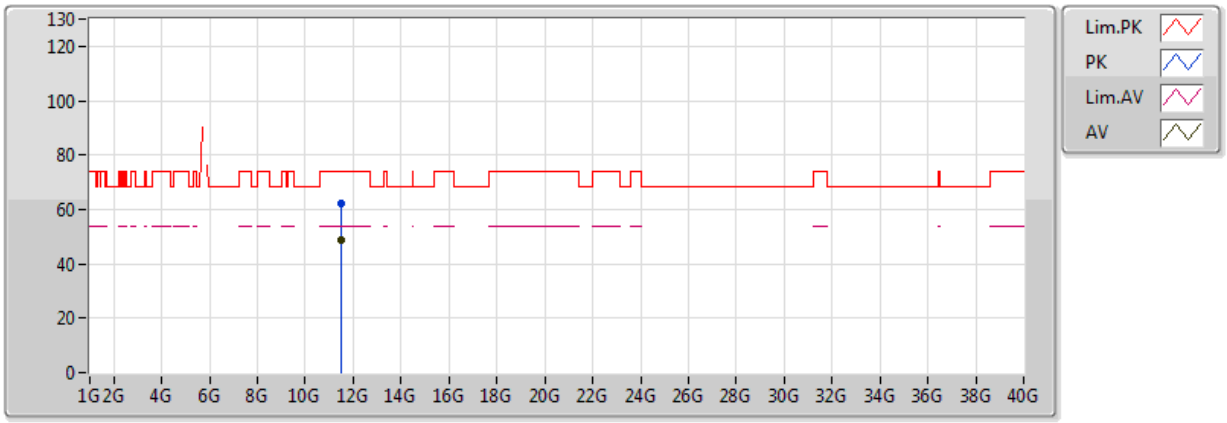


2070228
EUT Z_4TX
Setting 25
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.761G	106.87	Inf	-Inf	5.91	3	H	261	2.02	-
PK	5.647G	59.04	68.20	-9.16	5.58	3	H	261	2.02	-
PK	5.764G	118.23	Inf	-Inf	5.92	3	H	261	2.02	-
PK	5.98G	58.14	68.20	-10.06	6.71	3	H	261	2.02	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

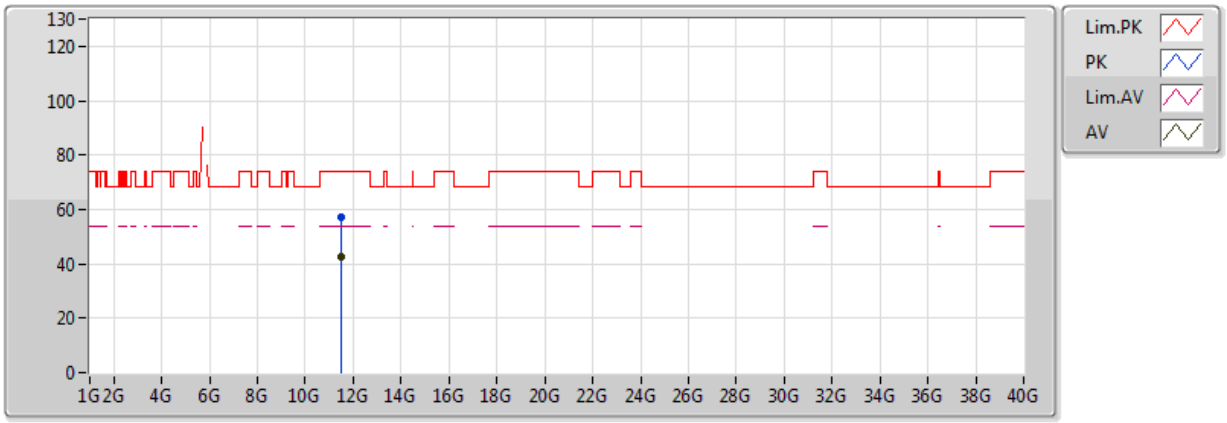


2070228
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4976G	48.82	54.00	-5.18	12.13	3	V	143	2.01	-
PK	11.5171G	61.99	74.00	-12.01	12.14	3	V	143	2.01	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5755MHz_TX

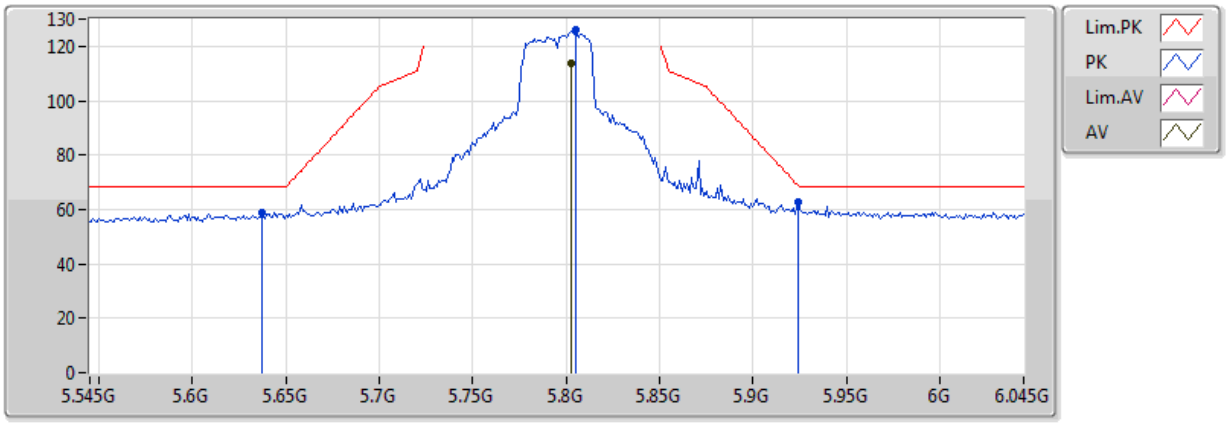


2070228
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4974G	42.80	54.00	-11.20	12.13	3	H	106	2.43	-
PK	11.5188G	57.12	74.00	-16.88	12.14	3	H	106	2.43	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

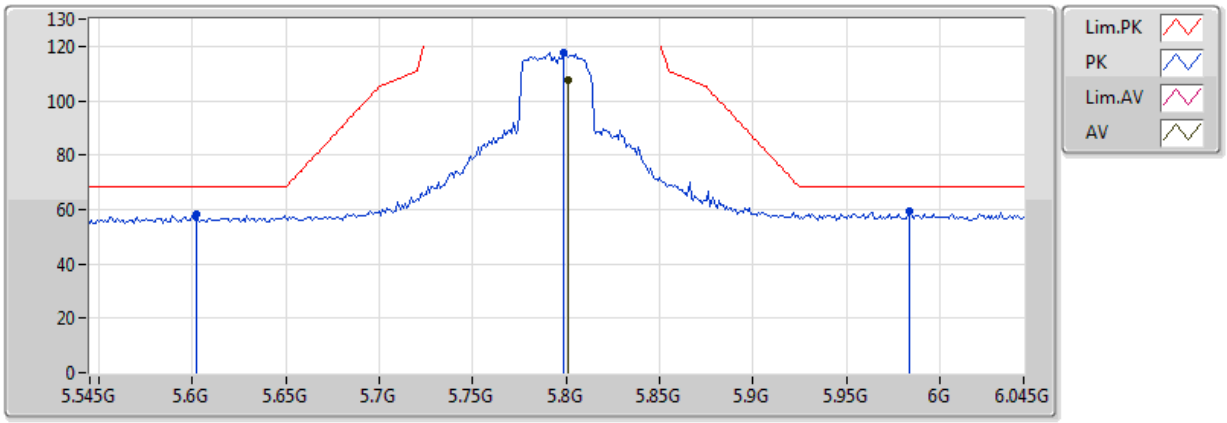


2070228
EUT Z_4TX
Setting 25
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.803G	114.01	Inf	-Inf	6.03	3	V	151	1.96	-
PK	5.637G	58.82	68.20	-9.38	5.55	3	V	151	1.96	-
PK	5.805G	125.98	Inf	-Inf	6.04	3	V	151	1.96	-
PK	5.924G	62.51	68.94	-6.43	6.50	3	V	151	1.96	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

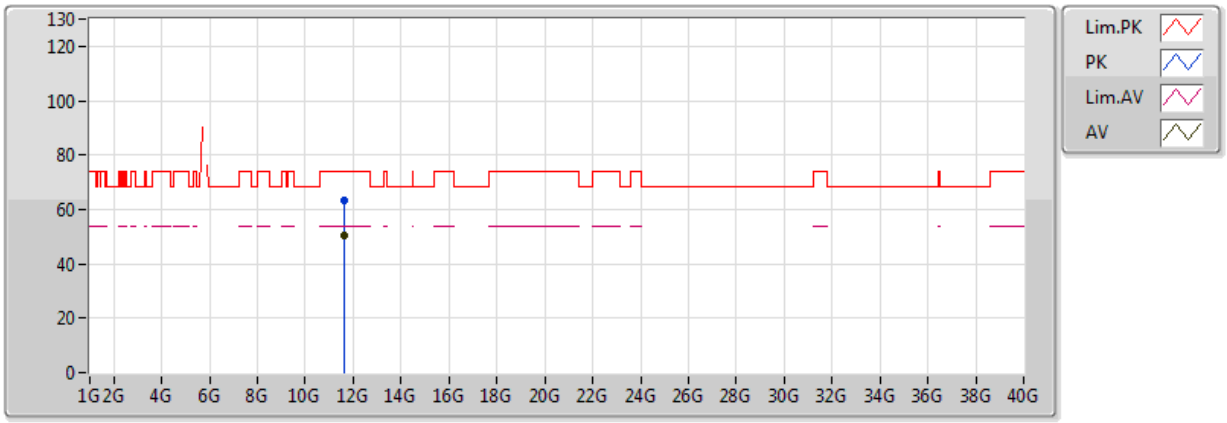


2070228
EUT Z_4TX
Setting 25
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.801G	107.35	Inf	-Inf	6.02	3	H	260	1.79	-
PK	5.602G	58.45	68.20	-9.75	5.45	3	H	260	1.79	-
PK	5.799G	117.71	Inf	-Inf	6.02	3	H	260	1.79	-
PK	5.984G	59.43	68.20	-8.77	6.72	3	H	260	1.79	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

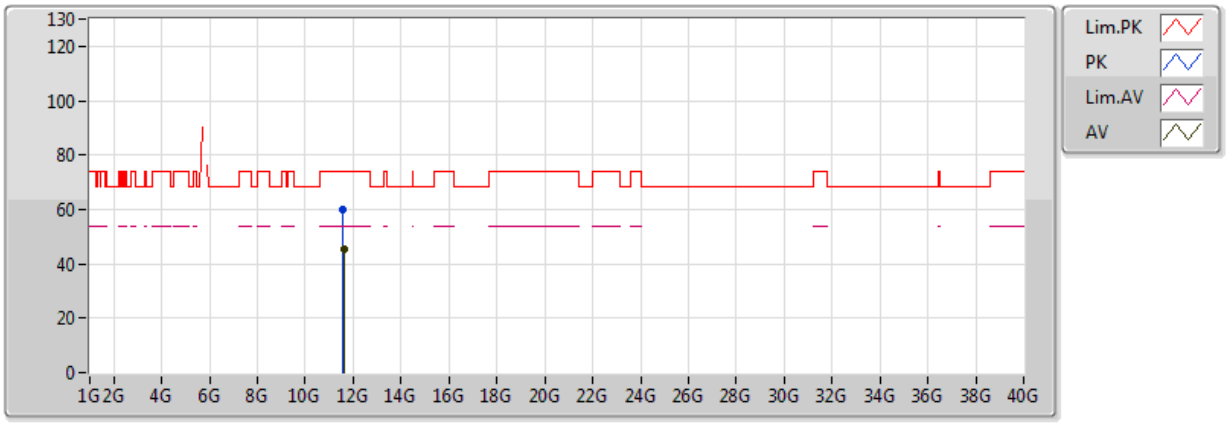


2070228
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5972G	50.55	54.00	-3.45	12.18	3	V	147	1.95	-
PK	11.6112G	63.07	74.00	-10.93	12.19	3	V	147	1.95	-

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

5795MHz_TX

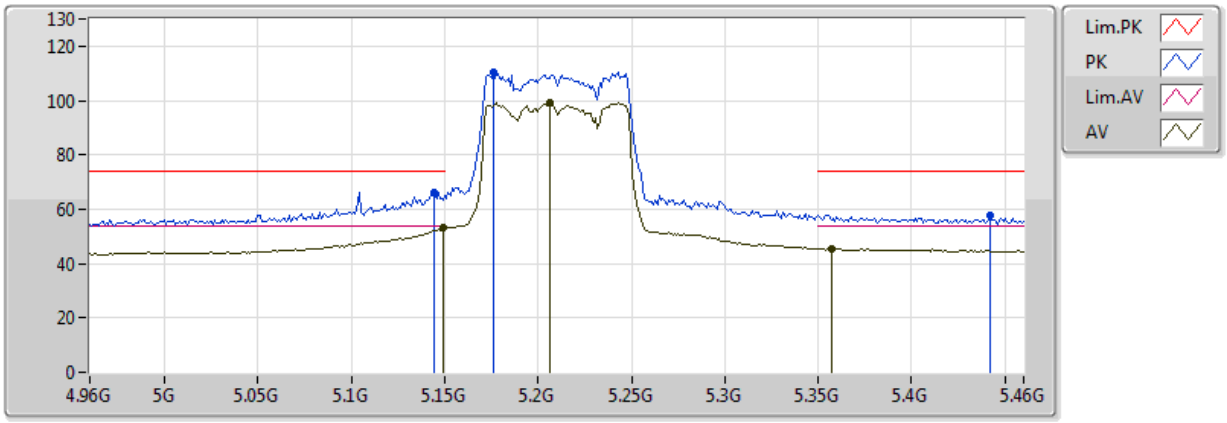


2070228
EUT Z_4TX
Setting 25
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59648G	45.48	54.00	-8.52	12.18	3	H	111	1.91	-
PK	11.57878G	59.92	74.00	-14.08	12.17	3	H	111	1.91	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

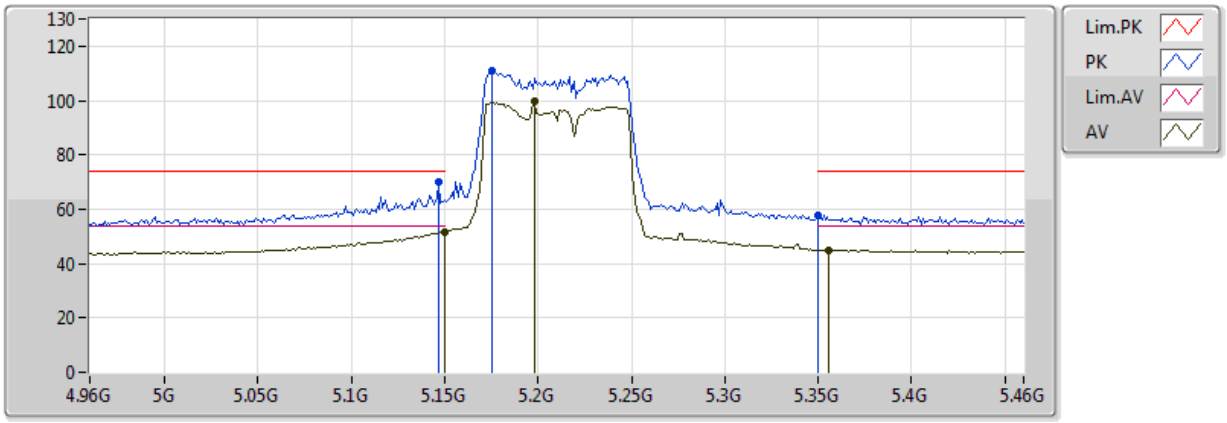


2070228
EUT Z_4TX
Setting 20
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	53.46	54.00	-0.54	4.32	3	V	65	2.27	-
AV	5.206G	99.02	Inf	-Inf	4.44	3	V	65	2.27	-
AV	5.357G	45.62	54.00	-8.38	4.74	3	V	65	2.27	-
PK	5.144G	66.33	74.00	-7.67	4.31	3	V	65	2.27	-
PK	5.176G	110.46	Inf	-Inf	4.38	3	V	65	2.27	-
PK	5.442G	57.98	74.00	-16.02	4.93	3	V	65	2.27	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

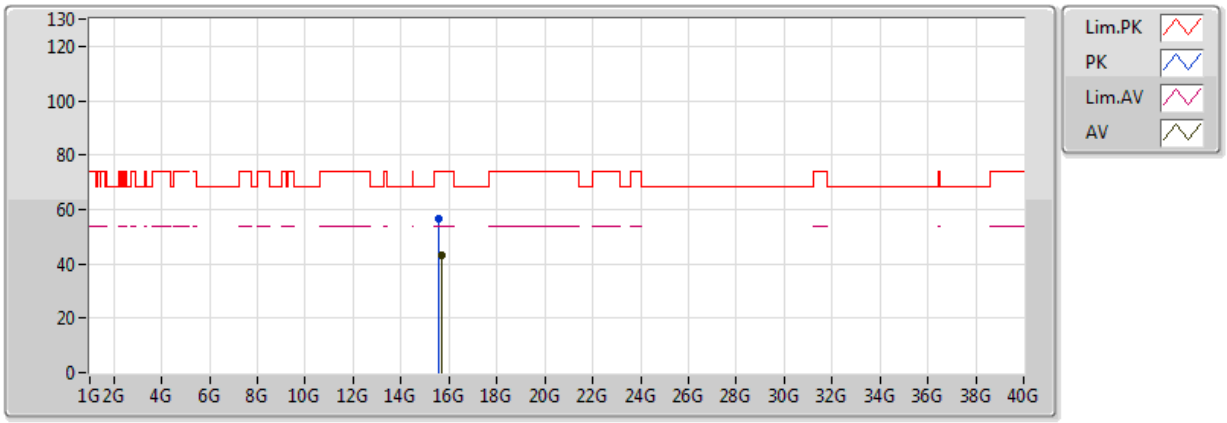


2070228
EUT Z_4TX
Setting 20
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.64	54.00	-2.36	4.32	3	H	309	2.36	-
AV	5.198G	99.73	Inf	-Inf	4.43	3	H	309	2.36	-
AV	5.356G	45.09	54.00	-8.91	4.74	3	H	309	2.36	-
PK	5.147G	69.80	74.00	-4.20	4.31	3	H	309	2.36	-
PK	5.175G	110.88	Inf	-Inf	4.37	3	H	309	2.36	-
PK	5.350005G	57.92	74.00	-16.08	4.73	3	H	309	2.36	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

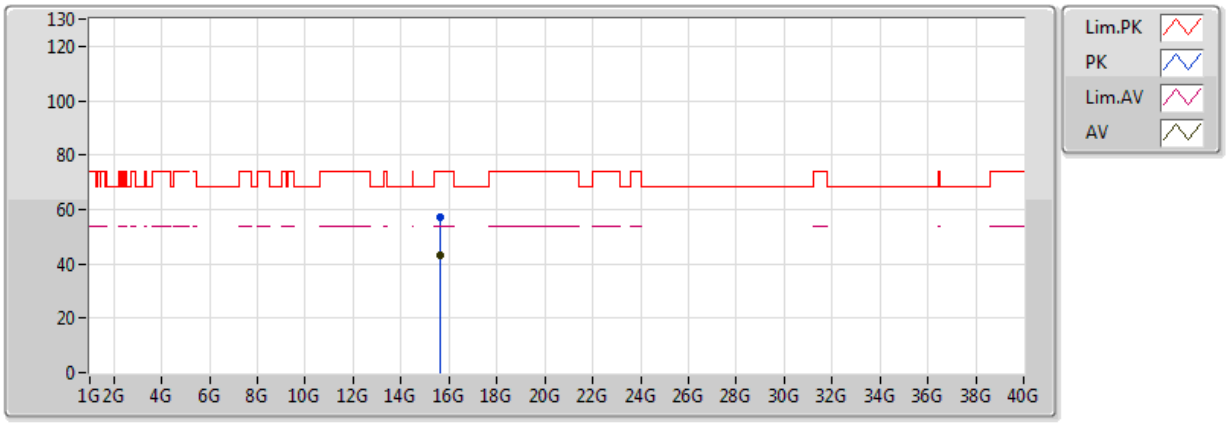


2070228
EUT Z_4TX
Setting 20
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.66792G	43.13	54.00	-10.87	13.76	3	V	112	2.40	-
PK	15.59608G	56.52	74.00	-17.48	13.84	3	V	112	2.40	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5210MHz_TX

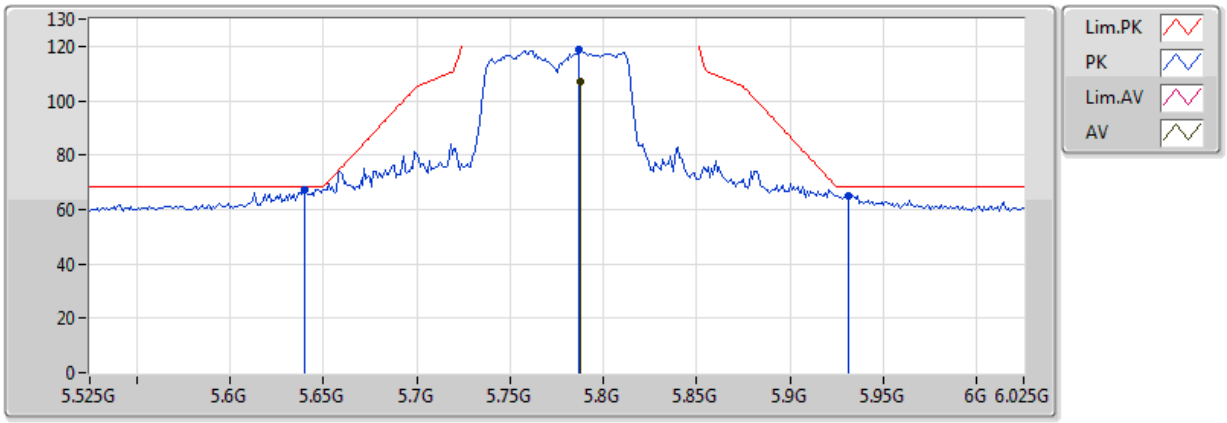


2070228
EUT Z_4TX
Setting 20
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.65608G	43.13	54.00	-10.87	13.77	3	H	308	1.89	-
PK	15.65576G	56.93	74.00	-17.07	13.77	3	H	308	1.89	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

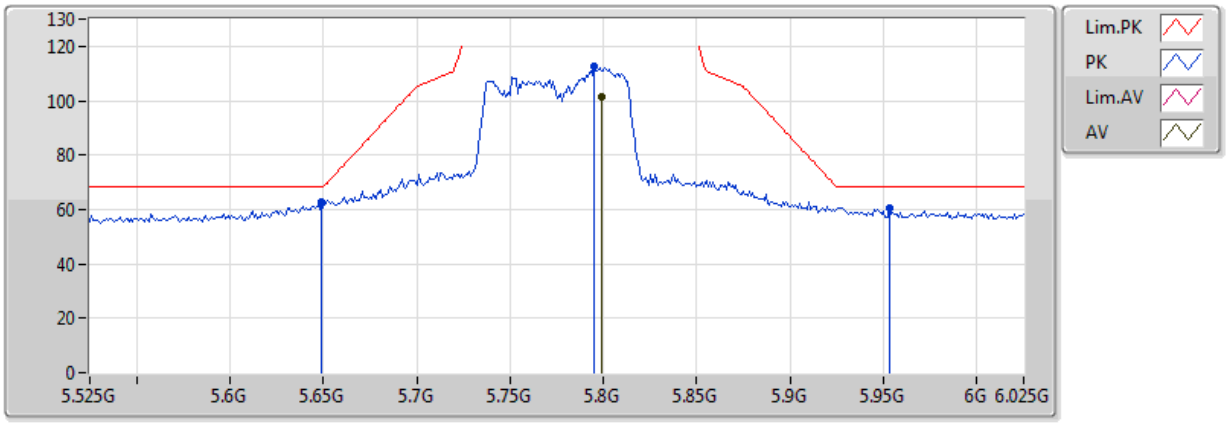


20161125
EUT Z_4TX
Setting 22.5
02-M-1

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.788G	106.78	Inf	-Inf	8.51	3	V	323	2.97	-
PK	5.64G	67.50	68.20	-0.70	8.29	3	V	323	2.97	-
PK	5.787G	118.62	Inf	-Inf	8.51	3	V	323	2.97	-
PK	5.931G	65.25	68.20	-2.95	8.63	3	V	323	2.97	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

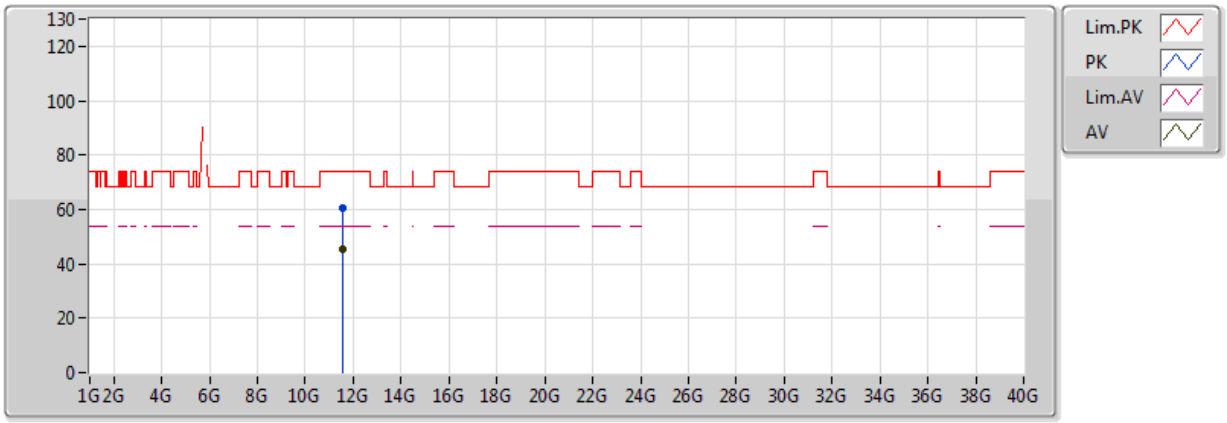


20170218
EUT Z_4TX
Setting 22.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.799G	101.18	Inf	-Inf	6.02	3	H	118	2.81	-
PK	5.649G	62.54	68.20	-5.66	5.59	3	H	118	2.81	-
PK	5.795G	112.86	Inf	-Inf	6.01	3	H	118	2.81	-
PK	5.953G	60.59	68.20	-7.61	6.61	3	H	118	2.81	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

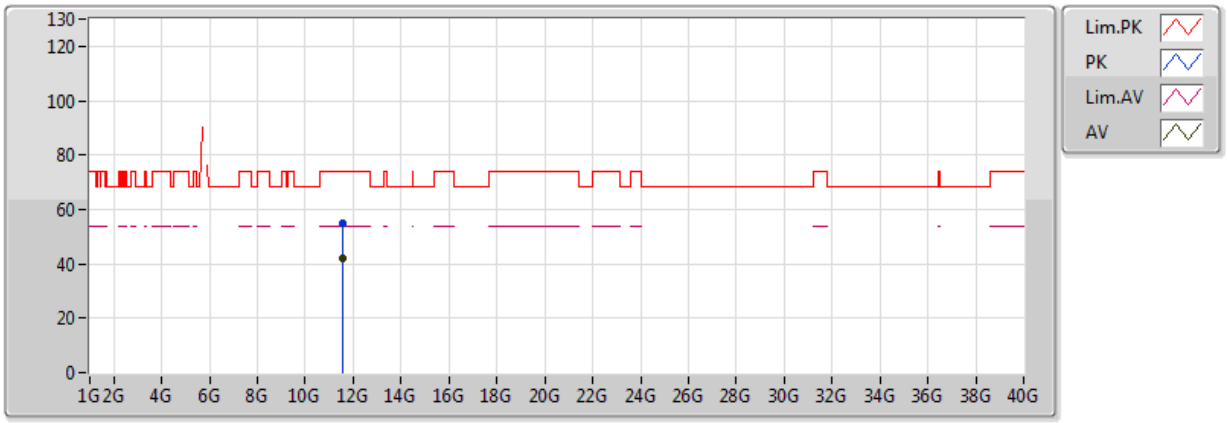


20170218
EUT Z_4TX
Setting 22.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.56008G	45.32	54.00	-8.68	12.16	3	V	148	1.98	-
PK	11.5772G	60.49	74.00	-13.51	12.17	3	V	148	1.98	-

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

5775MHz_TX

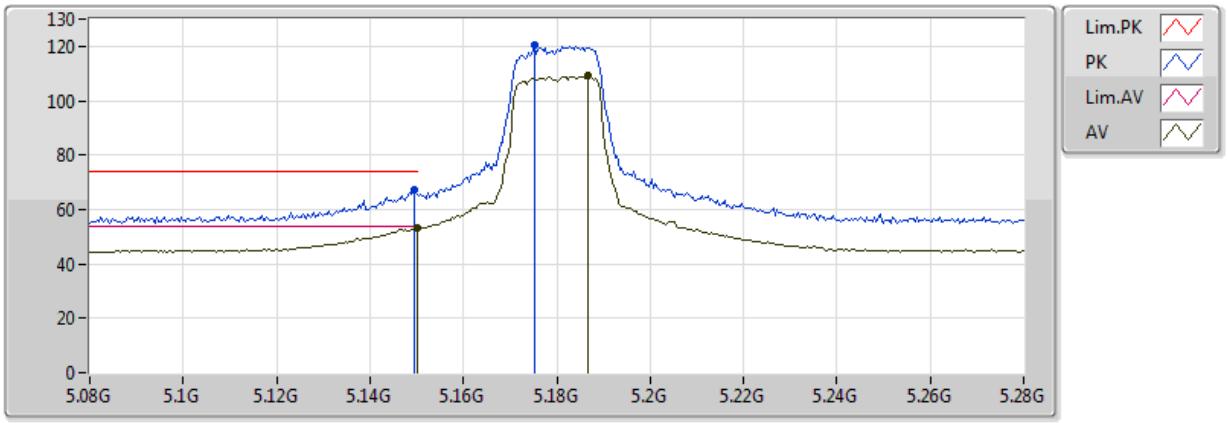


20170218
EUT Z_4TX
Setting 22.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57416G	41.88	54.00	-12.12	12.17	3	H	109	1.94	-
PK	11.57736G	55.12	74.00	-18.88	12.17	3	H	109	1.94	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5180MHz_TX

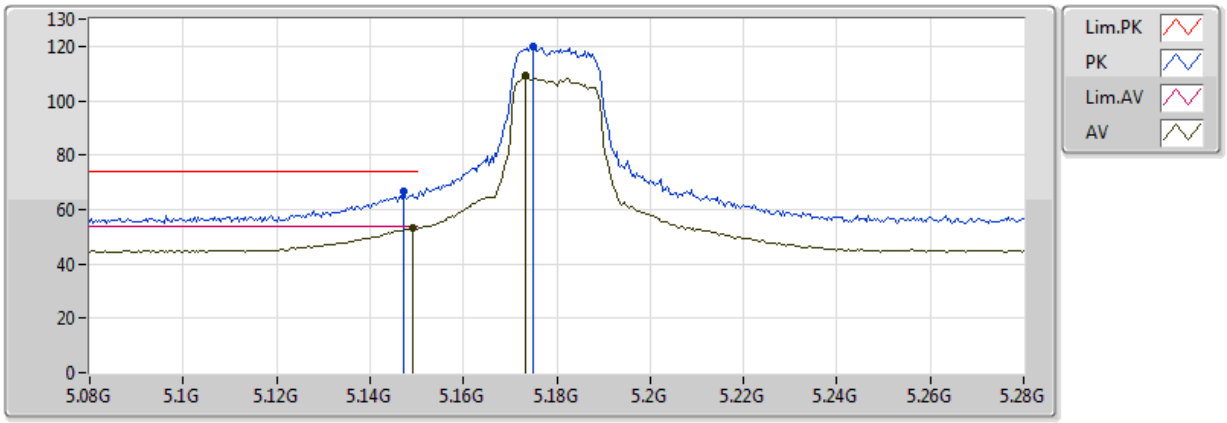


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.09	54.00	-0.91	4.32	3	V	156	1.85	-
AV	5.1868G	109.34	Inf	-Inf	4.40	3	V	156	1.85	-
PK	5.1496G	67.20	74.00	-6.80	4.32	3	V	156	1.85	-
PK	5.1752G	120.69	Inf	-Inf	4.38	3	V	156	1.85	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5180MHz_TX

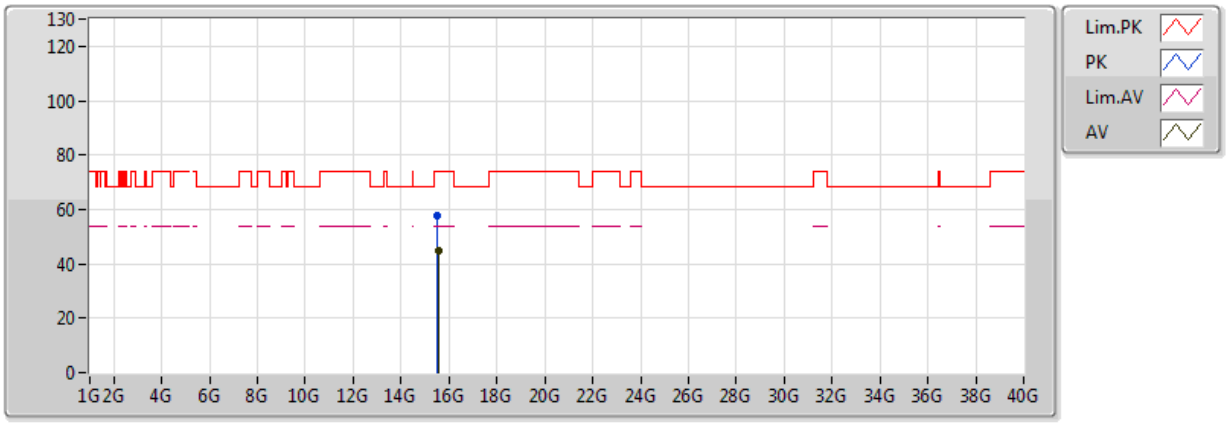


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	53.48	54.00	-0.52	4.32	3	H	307	1.89	-
AV	5.1732G	109.12	Inf	-Inf	4.37	3	H	307	1.89	-
PK	5.1472G	66.79	74.00	-7.21	4.31	3	H	307	1.89	-
PK	5.1748G	119.80	Inf	-Inf	4.37	3	H	307	1.89	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5180MHz_TX

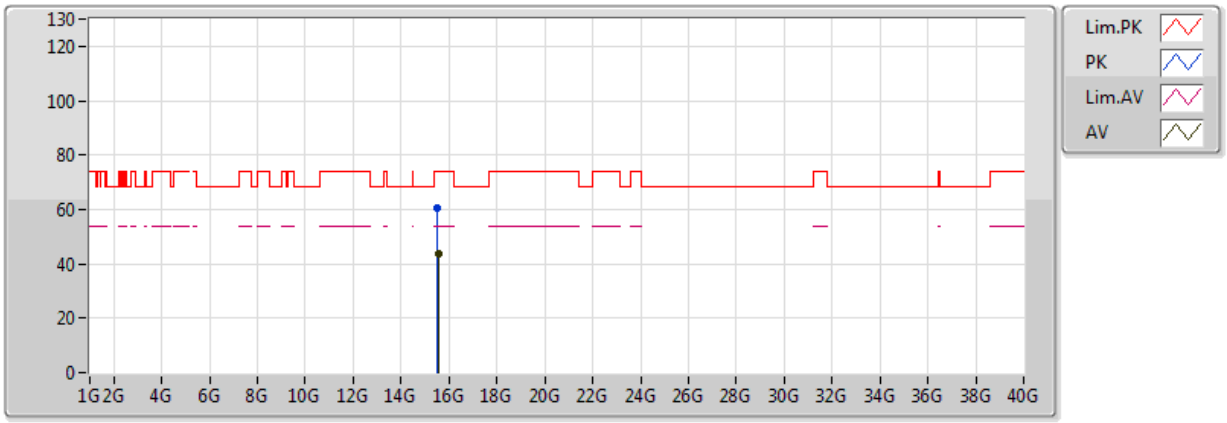


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54792G	45.01	54.00	-8.99	13.90	3	V	193	2.14	-
PK	15.53048G	57.54	74.00	-16.46	13.92	3	V	193	2.14	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5180MHz_TX

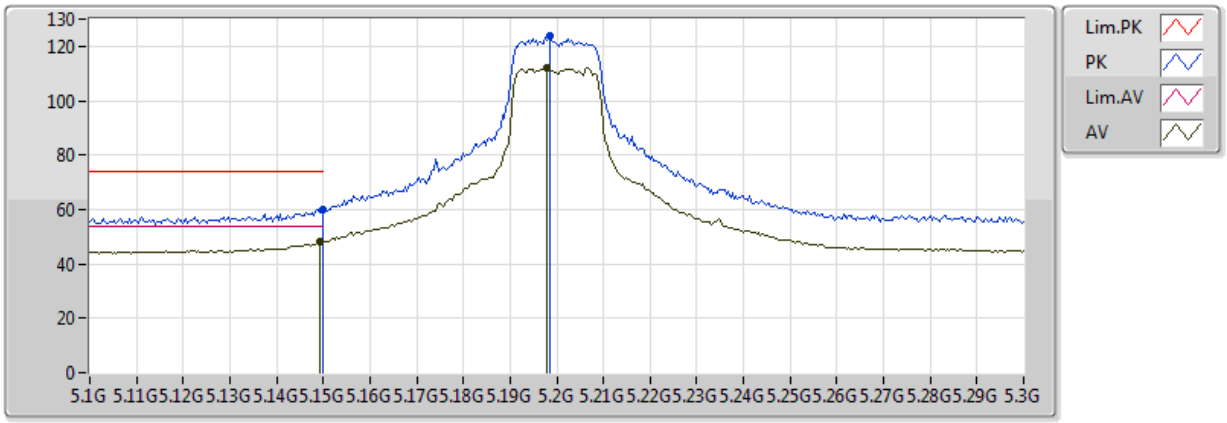


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53924G	43.92	54.00	-10.08	13.91	3	H	345	2.16	-
PK	15.53004G	60.65	74.00	-13.35	13.92	3	H	345	2.16	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5200MHz_TX

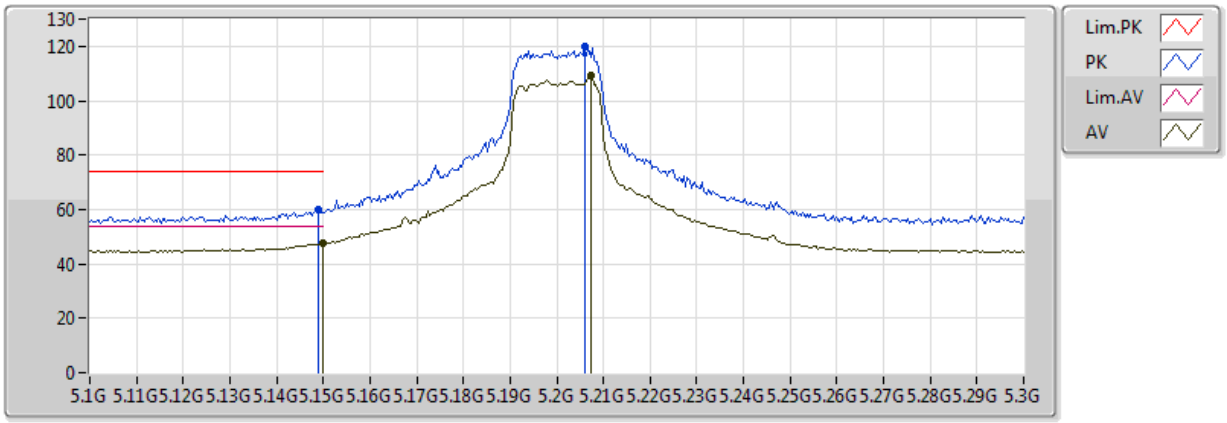


20170218
EUT Z_4TX
Setting 24.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	48.11	54.00	-5.89	4.32	3	V	283	1.99	-
AV	5.198G	112.26	Inf	-Inf	4.43	3	V	283	1.99	-
PK	5.149995G	60.00	74.00	-14.00	4.32	3	V	283	1.99	-
PK	5.1984G	123.90	Inf	-Inf	4.43	3	V	283	1.99	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5200MHz_TX

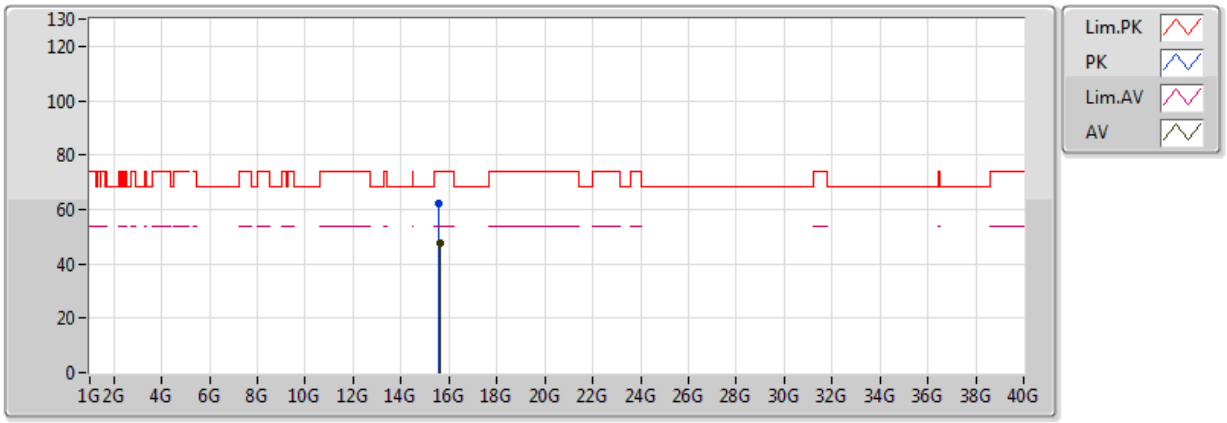


20170218
EUT Z_4TX
Setting 24.5
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	47.36	54.00	-6.64	4.32	3	H	307	2.07	-
AV	5.2072G	109.09	Inf	-Inf	4.45	3	H	307	2.07	-
PK	5.1488G	59.82	74.00	-14.18	4.32	3	H	307	2.07	-
PK	5.206G	120.04	Inf	-Inf	4.44	3	H	307	2.07	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5200MHz_TX

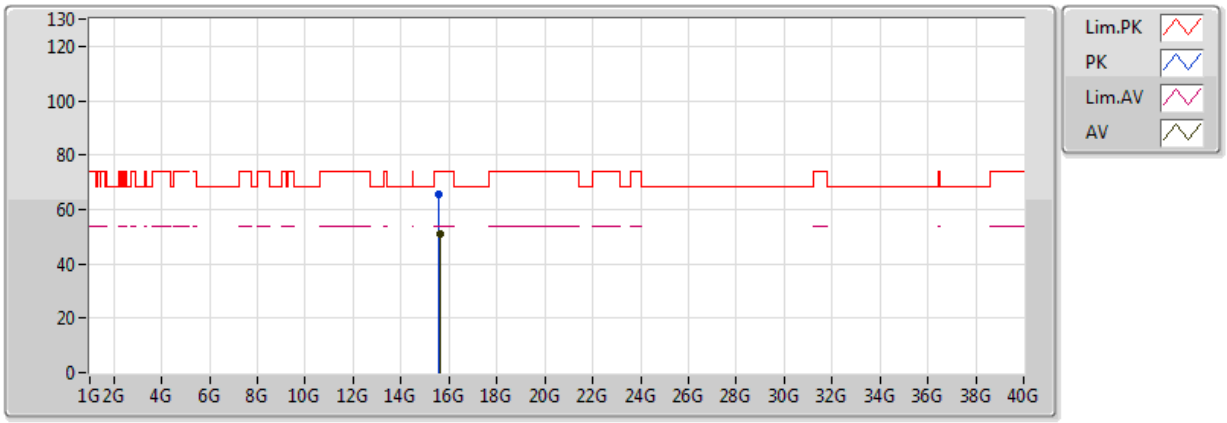


20170218
EUT Z_4TX
Setting 24.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.60732G	47.74	54.00	-6.26	13.83	3	V	75	1.50	-
PK	15.59104G	62.40	74.00	-11.60	13.85	3	V	75	1.50	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5200MHz_TX

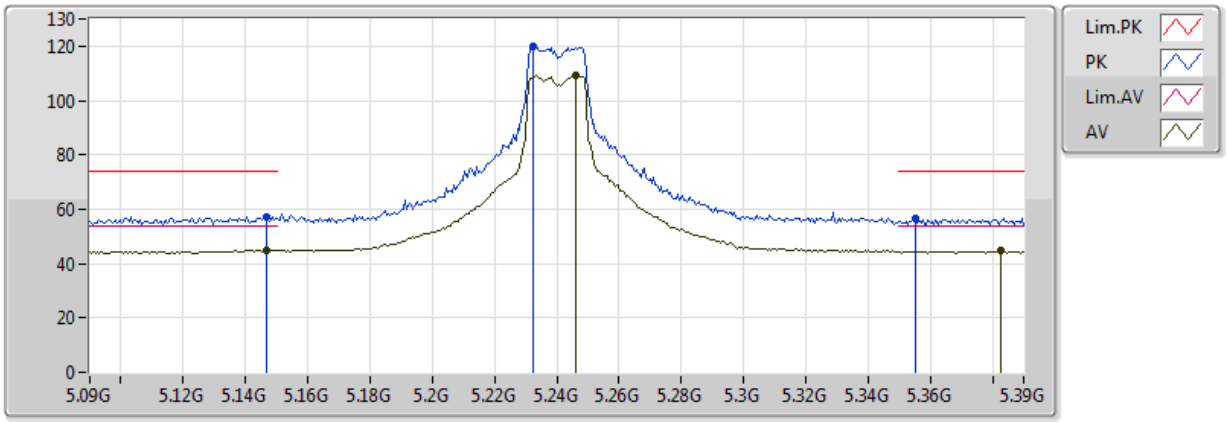


20170218
EUT Z_4TX
Setting 24.5
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6058G	50.81	54.00	-3.19	13.83	3	H	78	1.74	-
PK	15.6G	65.58	74.00	-8.42	13.84	3	H	78	1.74	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5240MHz_TX

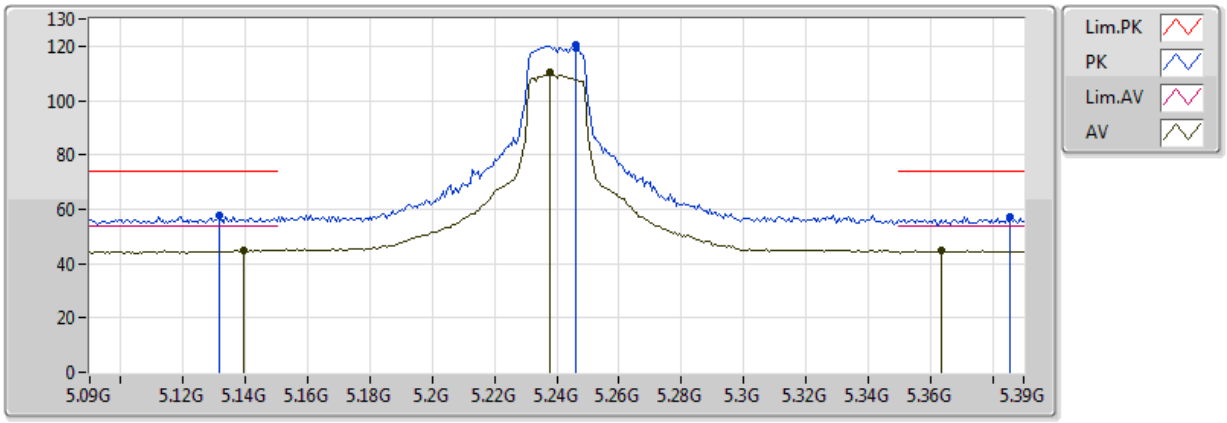


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.147G	44.86	54.00	-9.14	4.31	3	V	107	1.88	-
AV	5.246G	109.40	Inf	-Inf	4.53	3	V	107	1.88	-
AV	5.3828G	44.59	54.00	-9.41	4.79	3	V	107	1.88	-
PK	5.147G	57.31	74.00	-16.69	4.31	3	V	107	1.88	-
PK	5.2322G	119.73	Inf	-Inf	4.50	3	V	107	1.88	-
PK	5.3552G	56.49	74.00	-17.51	4.74	3	V	107	1.88	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5240MHz_TX

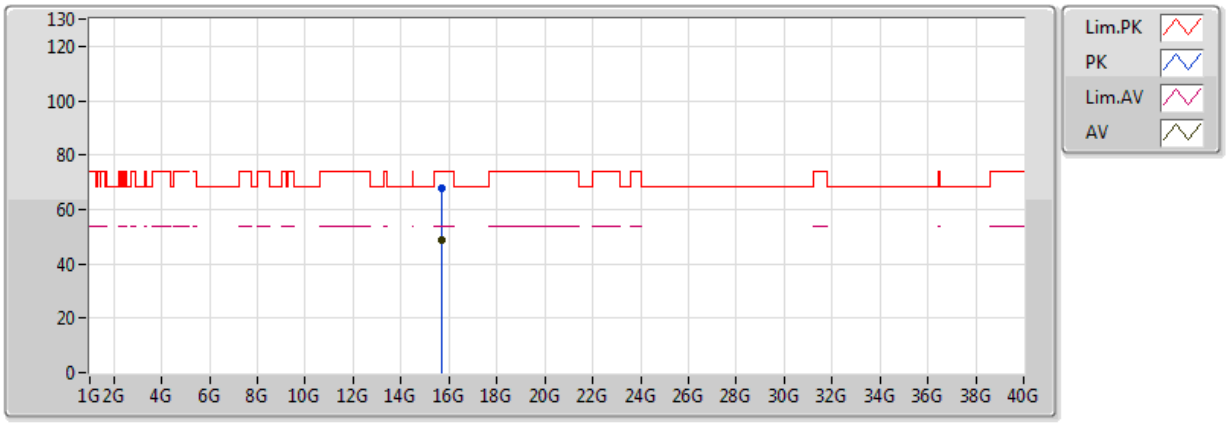


20170218
EUT Z_4TX
Setting 24
01-N-2-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1392G	44.93	54.00	-9.07	4.30	3	H	303	2.08	-
AV	5.2376G	110.39	Inf	-Inf	4.51	3	H	303	2.08	-
AV	5.3636G	44.89	54.00	-9.11	4.75	3	H	303	2.08	-
PK	5.1314G	57.57	74.00	-16.43	4.28	3	H	303	2.08	-
PK	5.246G	120.72	Inf	-Inf	4.53	3	H	303	2.08	-
PK	5.3858G	57.33	74.00	-16.67	4.79	3	H	303	2.08	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5240MHz_TX

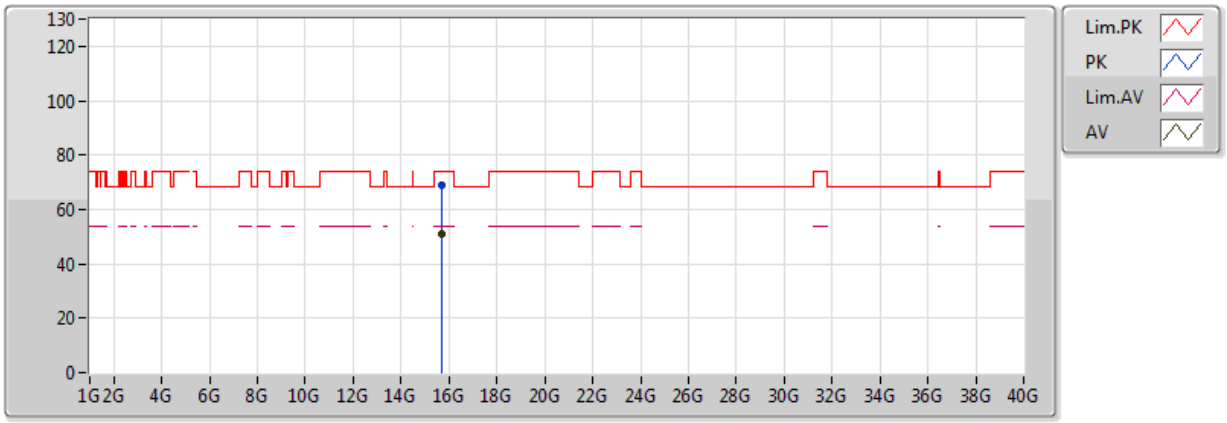


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71896G	48.48	54.00	-5.52	13.69	3	V	99	1.74	-
PK	15.71688G	67.60	74.00	-6.40	13.70	3	V	99	1.74	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5240MHz_TX

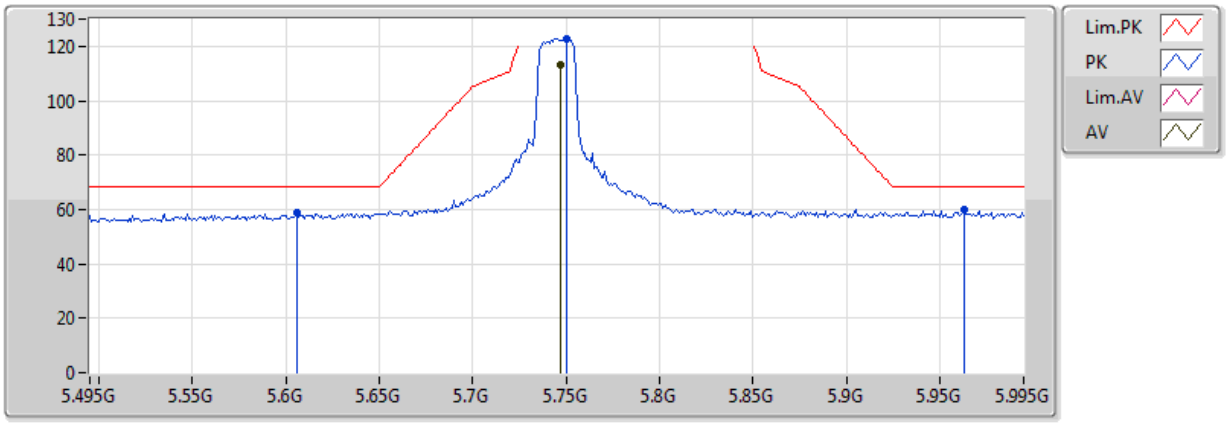


20170218
EUT Z_4TX
Setting 24
01-N-2

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71816G	50.88	54.00	-3.12	13.70	3	H	75	1.64	-
PK	15.71656G	69.07	74.00	-4.93	13.70	3	H	75	1.64	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5745MHz_TX

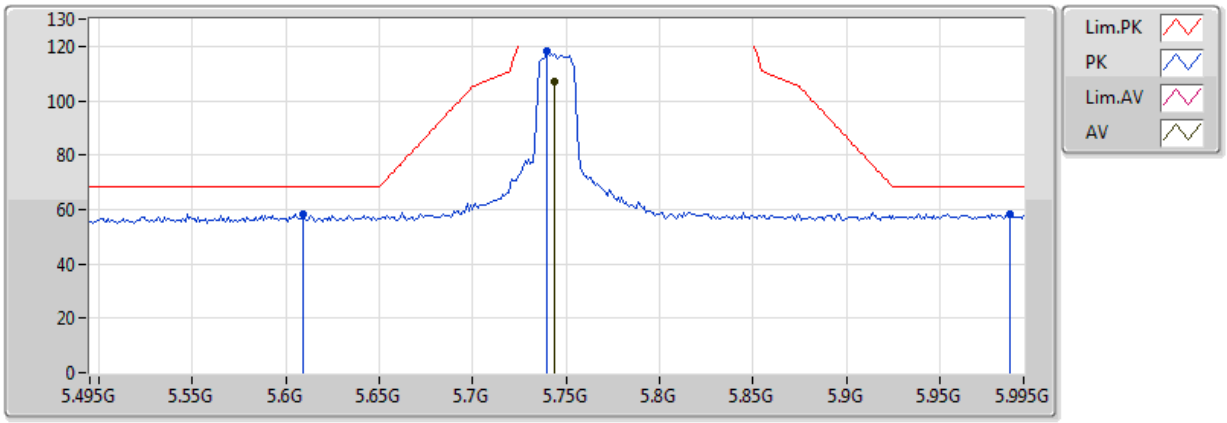


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.747G	112.96	Inf	-Inf	5.87	3	V	157	2.09	-
PK	5.606G	58.83	68.20	-9.37	5.46	3	V	157	2.09	-
PK	5.75G	122.81	Inf	-Inf	5.88	3	V	157	2.09	-
PK	5.963G	60.03	68.20	-8.17	6.64	3	V	157	2.09	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5745MHz_TX

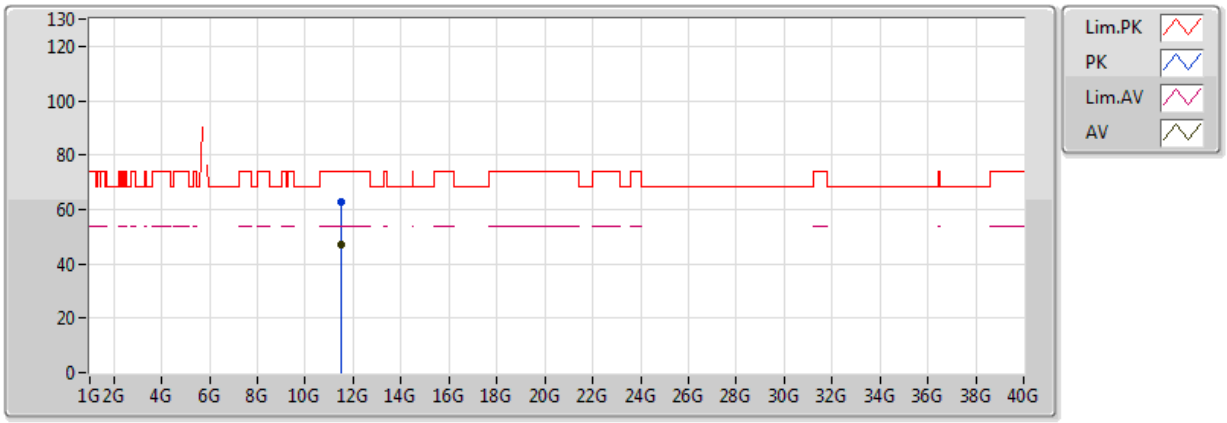


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.744G	106.78	Inf	-Inf	5.86	3	H	327	2.32	-
PK	5.609G	58.51	68.20	-9.69	5.47	3	H	327	2.32	-
PK	5.74G	118.21	Inf	-Inf	5.85	3	H	327	2.32	-
PK	5.988G	58.54	68.20	-9.66	6.74	3	H	327	2.32	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5745MHz_TX

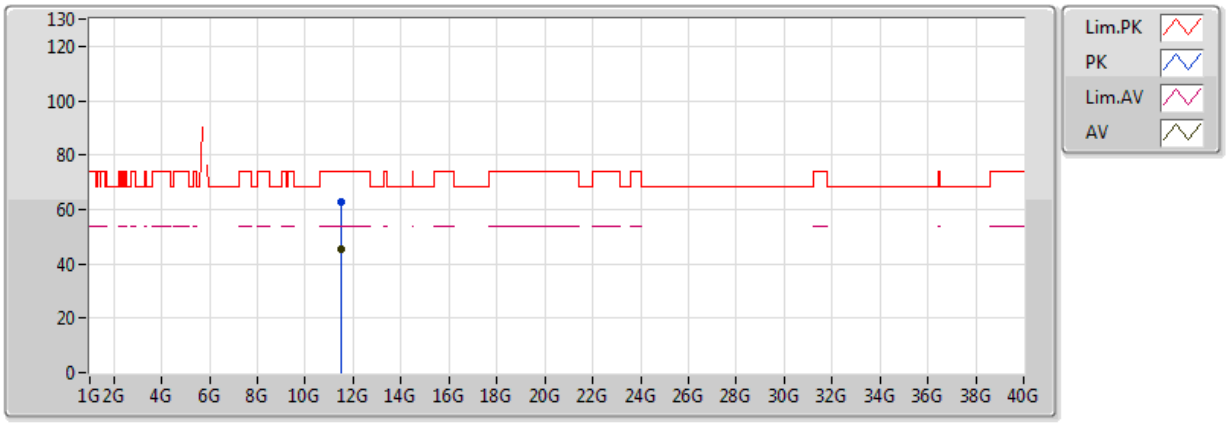


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49384G	46.89	54.00	-7.11	12.13	3	V	152	1.99	-
PK	11.49702G	62.73	74.00	-11.27	12.13	3	V	152	1.99	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5745MHz_TX

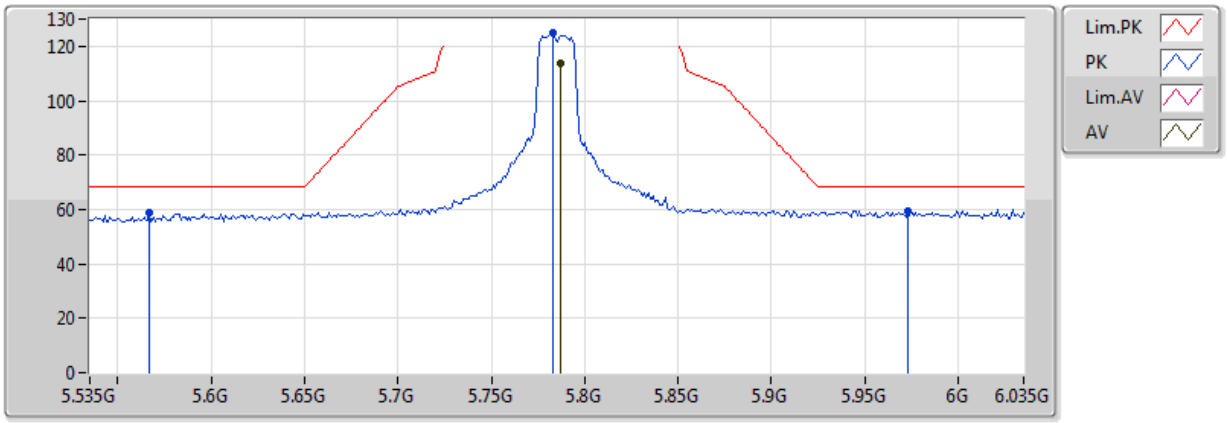


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49246G	45.50	54.00	-8.50	12.13	3	H	123	1.90	-
PK	11.48982G	62.66	74.00	-11.34	12.12	3	H	123	1.90	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5785MHz_TX

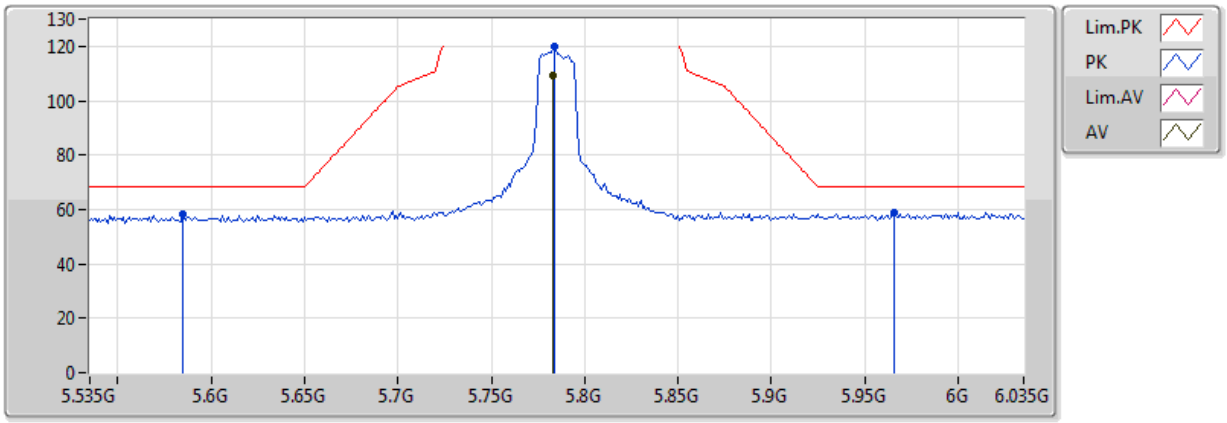


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.787G	113.58	Inf	-Inf	5.98	3	V	160	1.95	-
PK	5.567G	58.63	68.20	-9.57	5.32	3	V	160	1.95	-
PK	5.783G	124.98	Inf	-Inf	5.97	3	V	160	1.95	-
PK	5.973G	59.39	68.20	-8.81	6.68	3	V	160	1.95	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5785MHz_TX

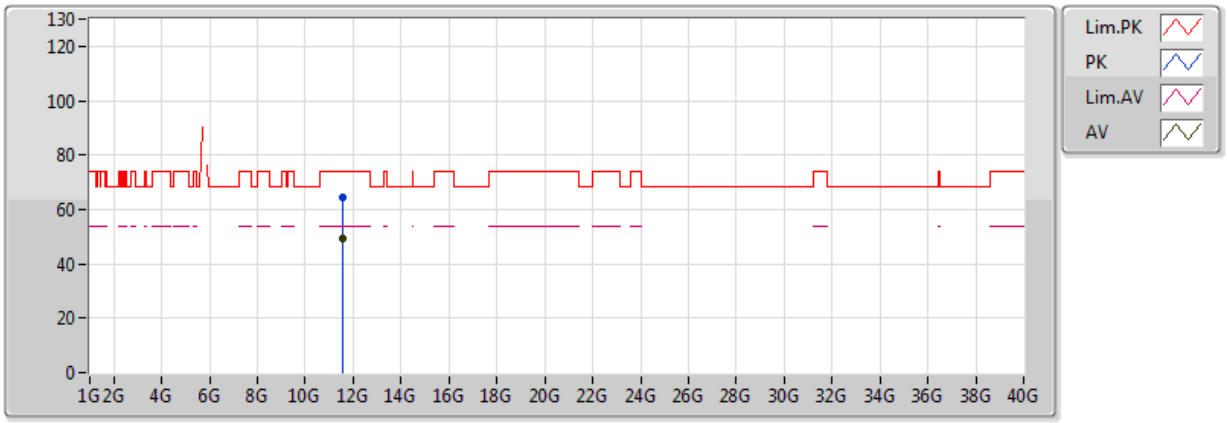


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.783G	109.03	Inf	-Inf	5.97	3	H	128	2.64	-
PK	5.585G	58.03	68.20	-10.17	5.39	3	H	128	2.64	-
PK	5.784G	119.86	Inf	-Inf	5.98	3	H	128	2.64	-
PK	5.966G	58.62	68.20	-9.58	6.65	3	H	128	2.64	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5785MHz_TX

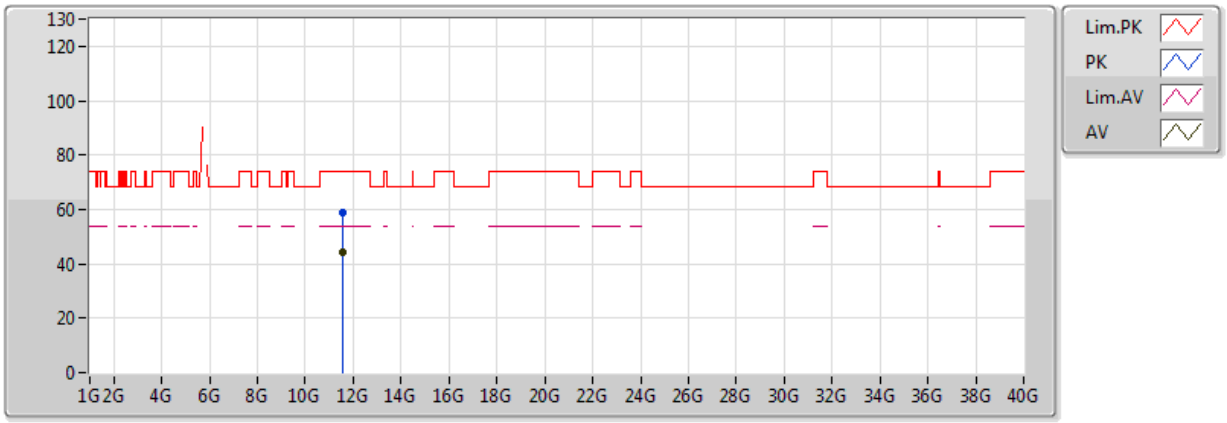


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5703G	49.46	54.00	-4.54	12.17	3	V	154	2.03	-
PK	11.57702G	64.53	74.00	-9.47	12.17	3	V	154	2.03	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5785MHz_TX

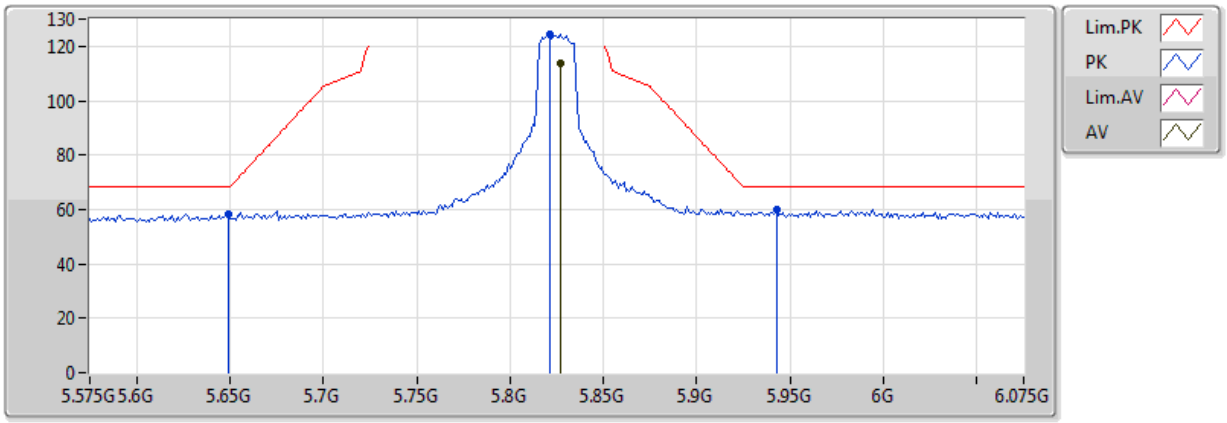


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57036G	44.38	54.00	-9.62	12.17	3	H	124	1.06	-
PK	11.56646G	59.01	74.00	-14.99	12.16	3	H	124	1.06	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5825MHz_TX

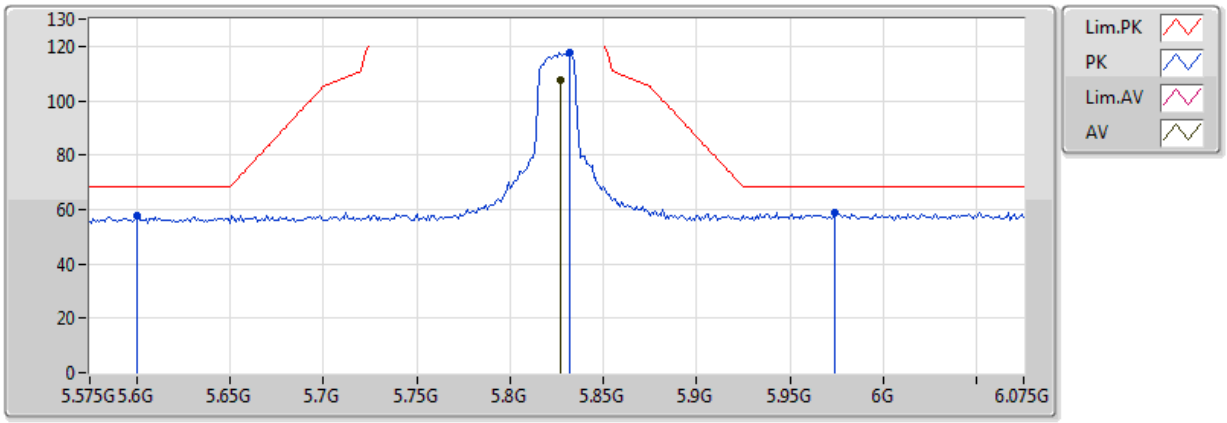


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.827G	113.49	Inf	-Inf	6.13	3	V	162	1.79	-
PK	5.649G	58.11	68.20	-10.09	5.59	3	V	162	1.79	-
PK	5.821G	124.51	Inf	-Inf	6.10	3	V	162	1.79	-
PK	5.943G	60.08	68.20	-8.12	6.57	3	V	162	1.79	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5825MHz_TX

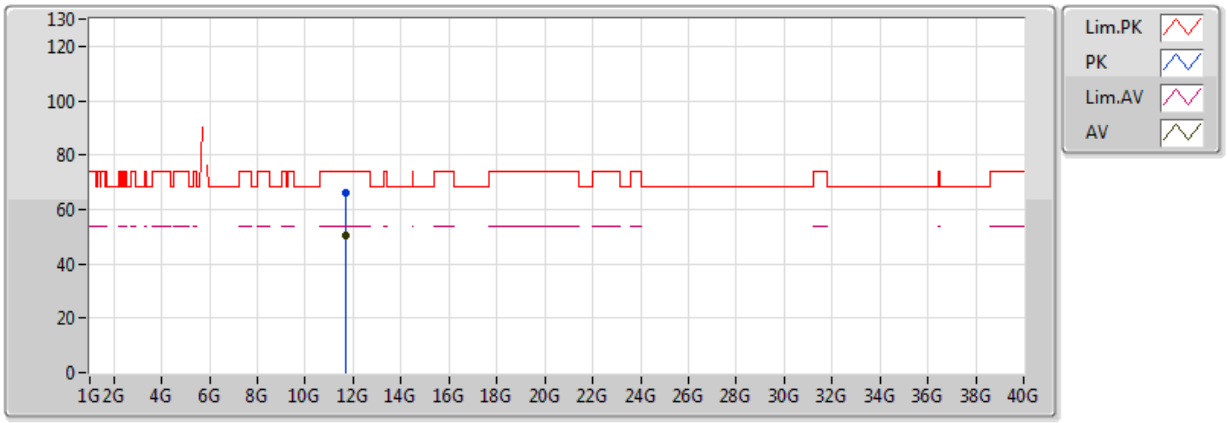


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.827G	107.62	Inf	-Inf	6.13	3	H	94	1.73	-
PK	5.6G	57.60	68.20	-10.60	5.44	3	H	94	1.73	-
PK	5.832G	117.51	Inf	-Inf	6.14	3	H	94	1.73	-
PK	5.974G	58.88	68.20	-9.32	6.68	3	H	94	1.73	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5825MHz_TX

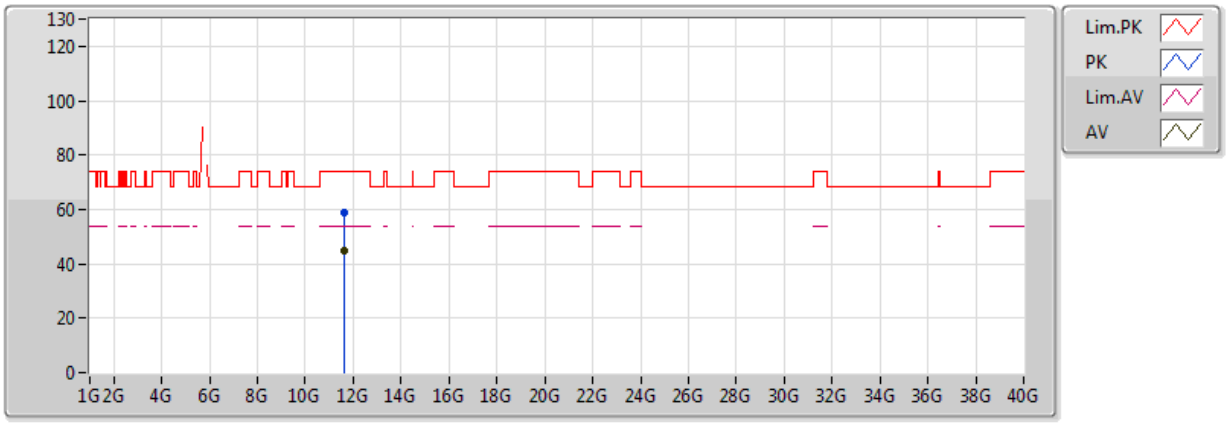


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65954G	50.48	54.00	-3.52	12.21	3	V	145	1.92	-
PK	11.65882G	66.15	74.00	-7.85	12.21	3	V	145	1.92	-

802.11ac VHT20-BF_Nss2,(MCS0)_4TX

5825MHz_TX

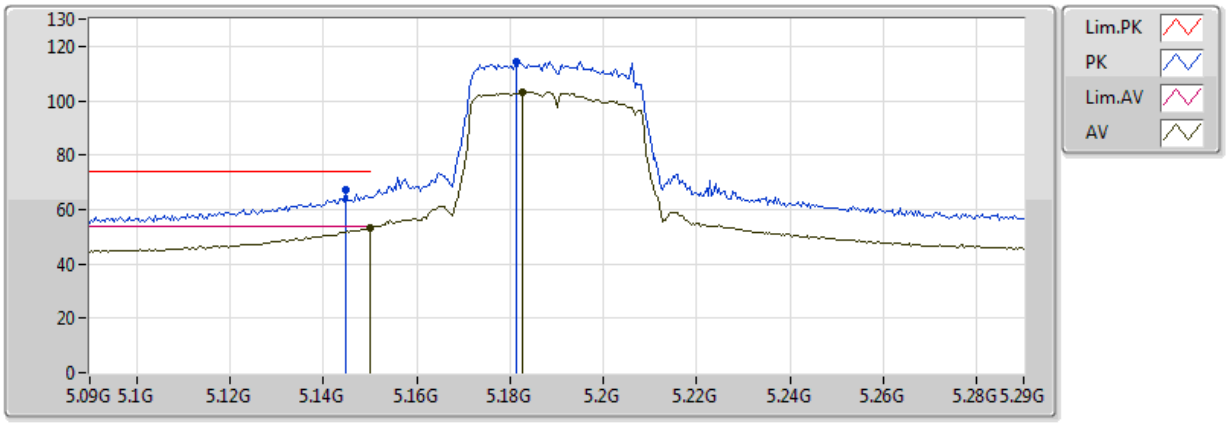


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.64982G	44.64	54.00	-9.36	12.21	3	H	316	1.08	-
PK	11.64868G	58.91	74.00	-15.09	12.21	3	H	316	1.08	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5190MHz_TX

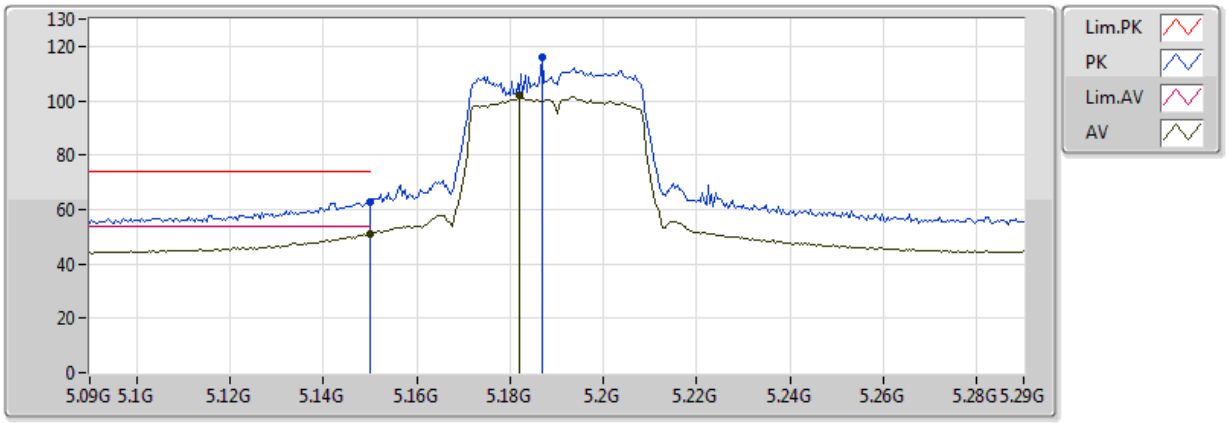


20170220
EUT Z_4TX
Setting 20
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.30	54.00	-0.70	4.32	3	V	210	2.14	-
AV	5.1828G	102.99	Inf	-Inf	4.39	3	V	210	2.14	-
PK	5.1448G	67.15	74.00	-6.85	4.31	3	V	210	2.14	-
PK	5.1812G	114.42	Inf	-Inf	4.39	3	V	210	2.14	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5190MHz_TX

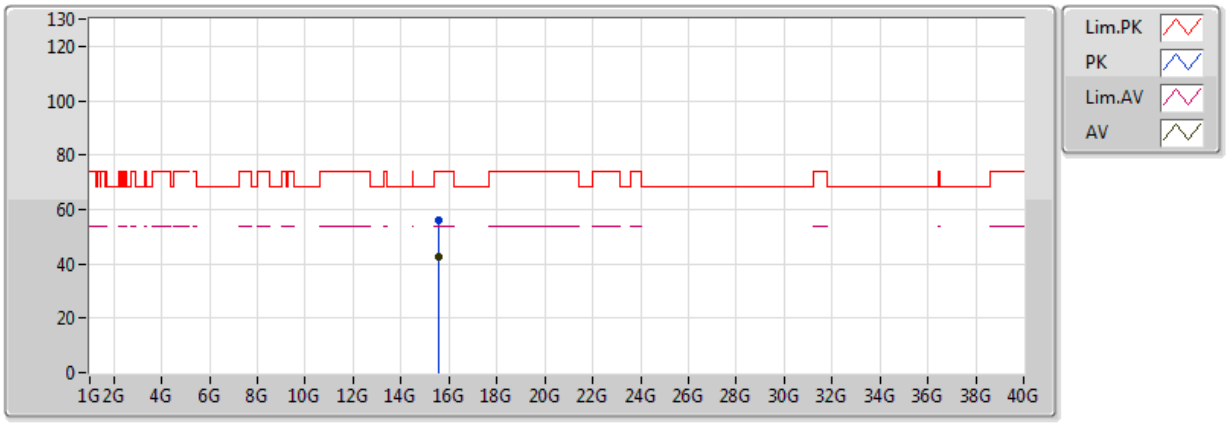


20170220
EUT Z_4TX
Setting 20
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.98	54.00	-3.02	4.32	3	H	308	1.49	-
AV	5.182G	101.74	Inf	-Inf	4.39	3	H	308	1.49	-
PK	5.149995G	62.60	74.00	-11.40	4.32	3	H	308	1.49	-
PK	5.1868G	115.72	Inf	-Inf	4.40	3	H	308	1.49	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5190MHz_TX

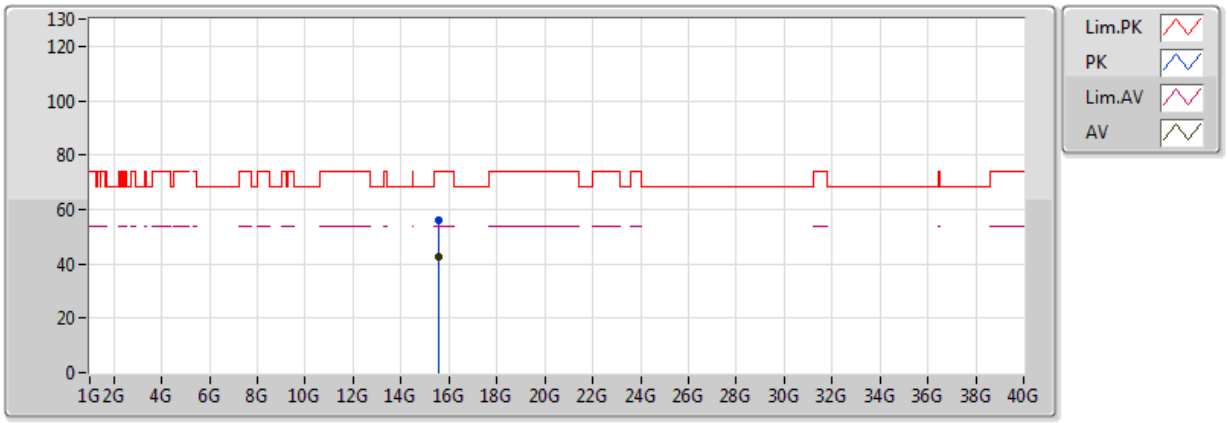


20170220
EUT Z_4TX
Setting 20
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5792G	42.72	54.00	-11.28	13.86	3	V	266	1.68	-
PK	15.56432G	56.22	74.00	-17.78	13.88	3	V	266	1.68	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5190MHz_TX

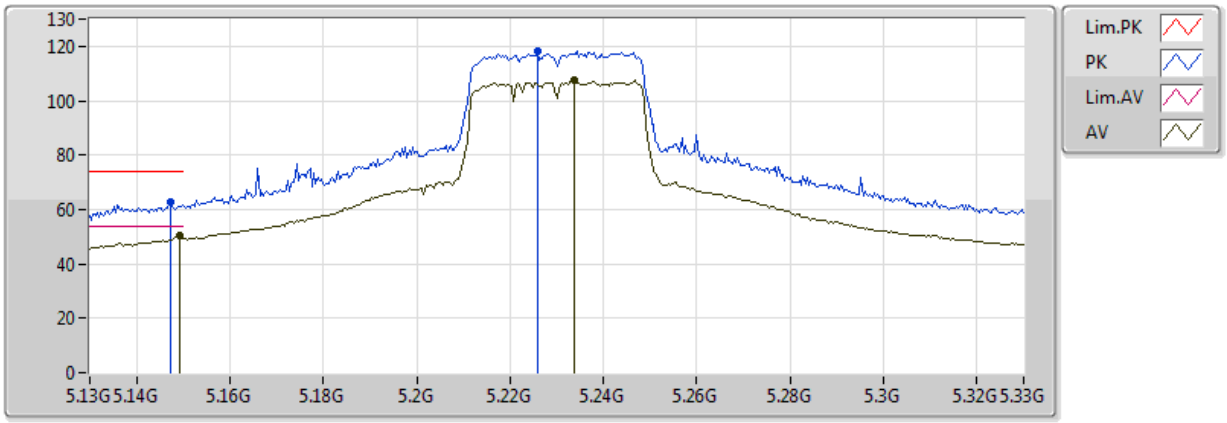


20170220
EUT Z_4TX
Setting 20
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.57672G	42.45	54.00	-11.55	13.86	3	H	93	1.73	-
PK	15.58608G	55.82	74.00	-18.18	13.85	3	H	93	1.73	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5230MHz_TX

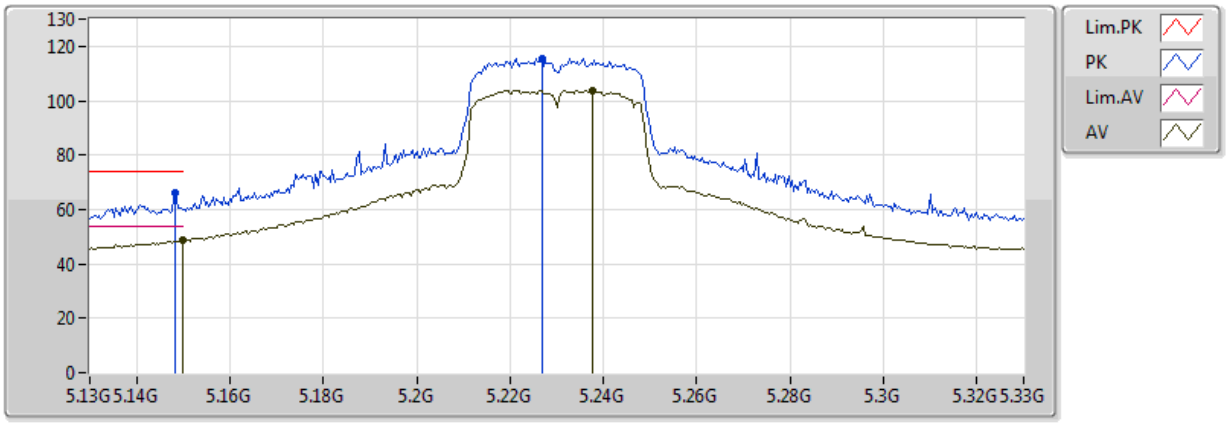


20170220
EUT Z_4TX
Setting 23
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	50.53	54.00	-3.47	4.32	3	V	207	2.38	-
AV	5.2336G	107.40	Inf	-Inf	4.50	3	V	207	2.38	-
PK	5.1472G	62.74	74.00	-11.26	4.31	3	V	207	2.38	-
PK	5.226G	118.15	Inf	-Inf	4.48	3	V	207	2.38	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5230MHz_TX

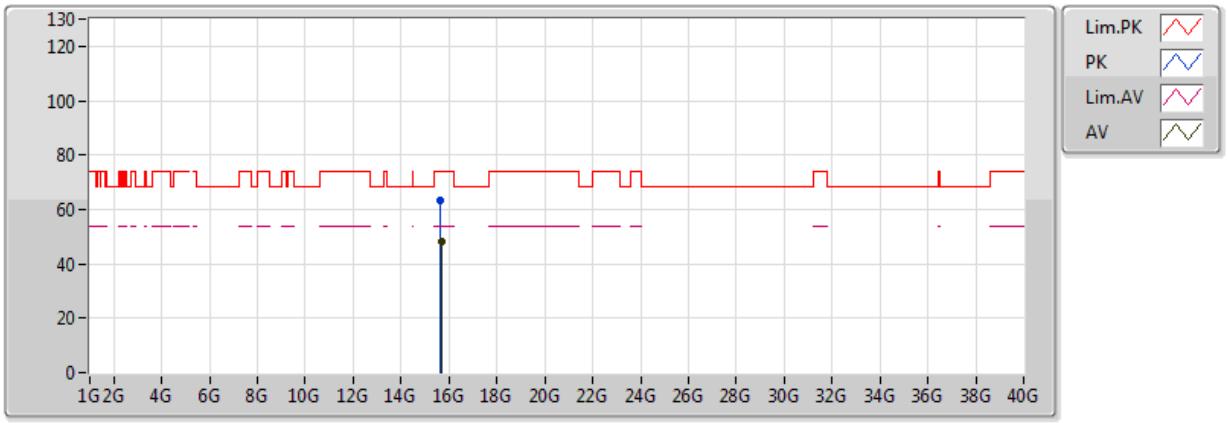


20170220
EUT Z_4TX
Setting 23
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	48.94	54.00	-5.06	4.32	3	H	306	1.78	-
AV	5.2376G	103.80	Inf	-Inf	4.51	3	H	306	1.78	-
PK	5.1484G	66.14	74.00	-7.86	4.32	3	H	306	1.78	-
PK	5.2268G	115.55	Inf	-Inf	4.49	3	H	306	1.78	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5230MHz_TX

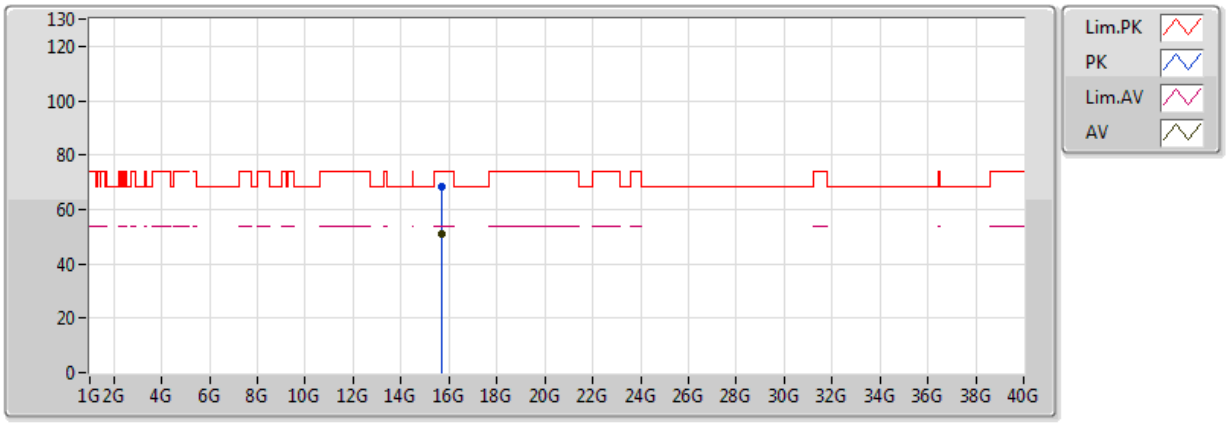


20170220
EUT Z_4TX
Setting 23
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.66662G	48.08	54.00	-5.92	13.76	3	V	60	2.75	-
PK	15.66074G	63.33	74.00	-10.67	13.76	3	V	60	2.75	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5230MHz_TX

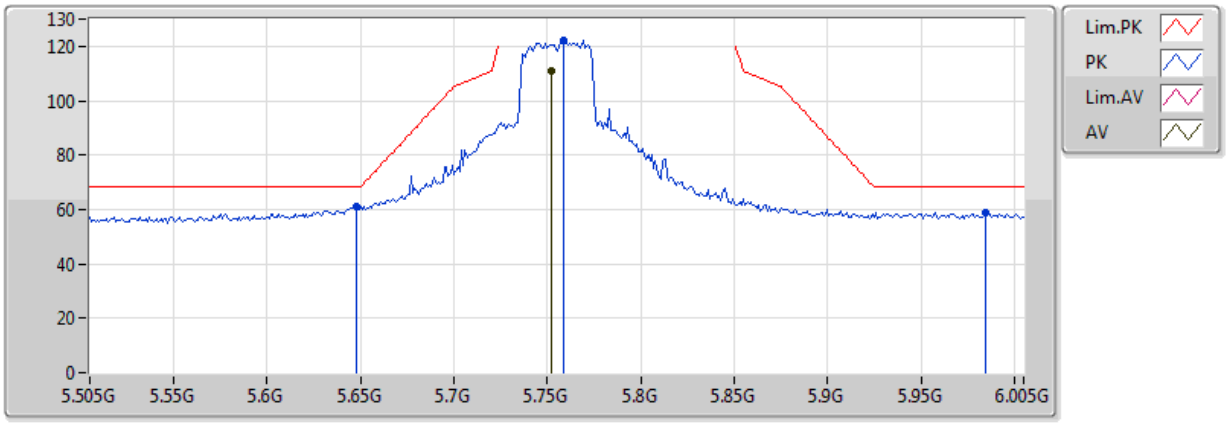


20170220
EUT Z_4TX
Setting 23
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.66704G	50.98	54.00	-3.02	13.76	3	H	80	2.64	-
PK	15.66578G	68.16	74.00	-5.84	13.76	3	H	80	2.64	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5755MHz_TX

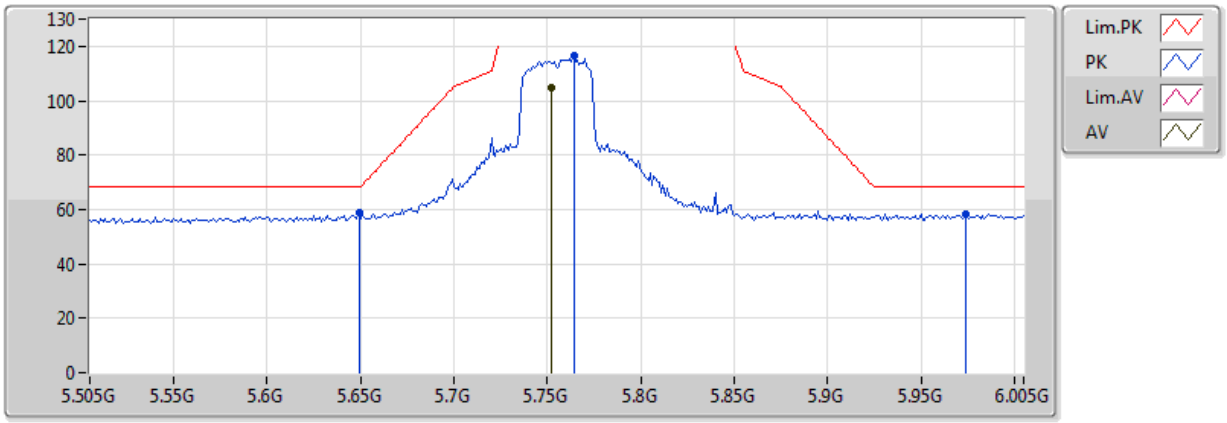


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.752G	110.80	Inf	-Inf	5.89	3	V	169	2.11	-
PK	5.648G	61.25	68.20	-6.95	5.58	3	V	169	2.11	-
PK	5.759G	122.14	Inf	-Inf	5.91	3	V	169	2.11	-
PK	5.985G	58.95	68.20	-9.25	6.72	3	V	169	2.11	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5755MHz_TX

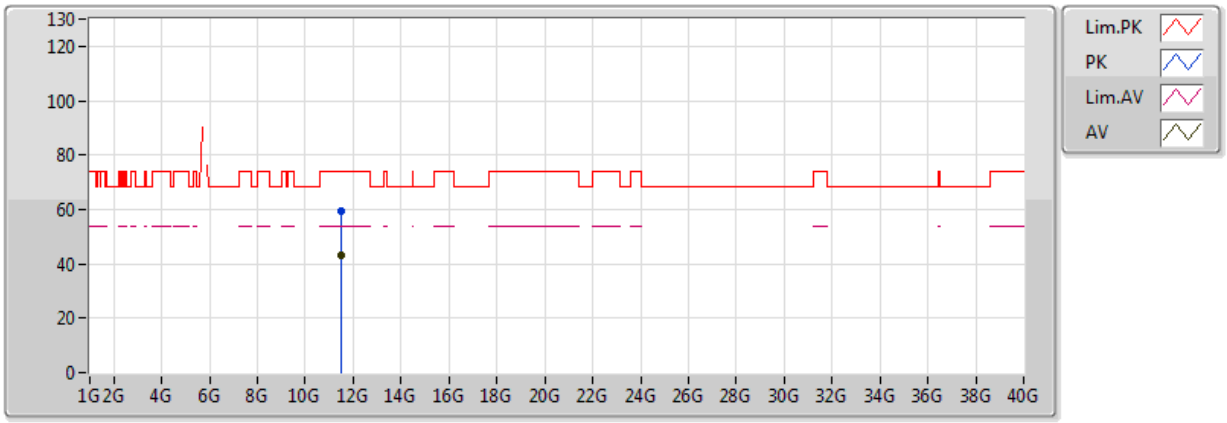


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.752G	104.76	Inf	-Inf	5.89	3	H	94	1.75	-
PK	5.649G	58.62	68.20	-9.58	5.59	3	H	94	1.75	-
PK	5.764G	116.40	Inf	-Inf	5.92	3	H	94	1.75	-
PK	5.974G	58.27	68.20	-9.93	6.68	3	H	94	1.75	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5755MHz_TX

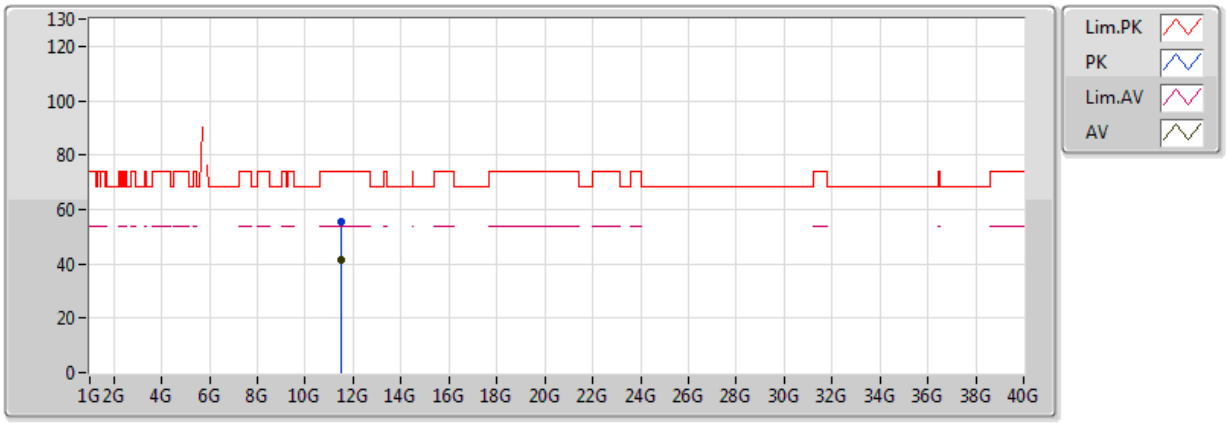


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51216G	43.20	54.00	-10.80	12.14	3	V	135	2.43	-
PK	11.51872G	59.12	74.00	-14.88	12.14	3	V	135	2.43	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5755MHz_TX

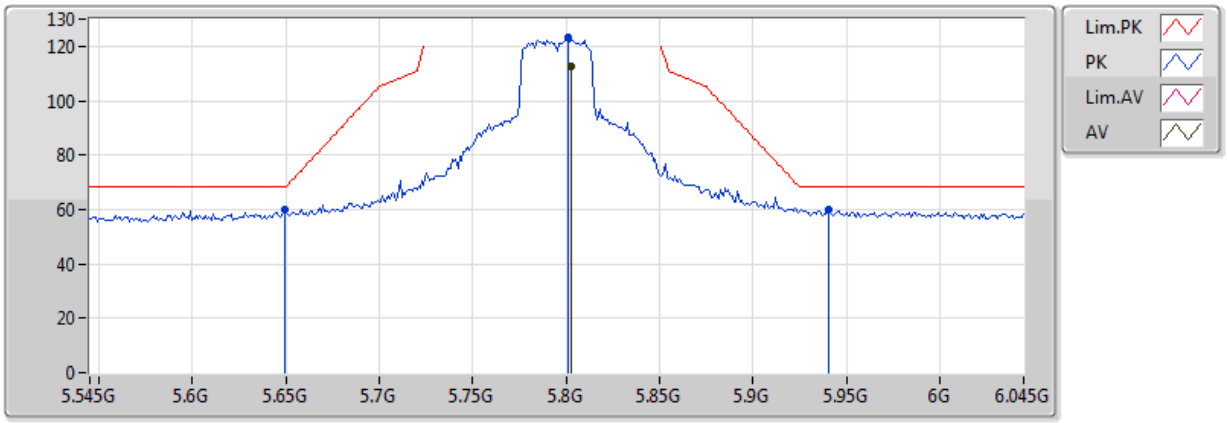


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4976G	41.64	54.00	-12.36	12.13	3	H	114	3.00	-
PK	11.49712G	55.45	74.00	-18.55	12.13	3	H	114	3.00	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5795MHz_TX

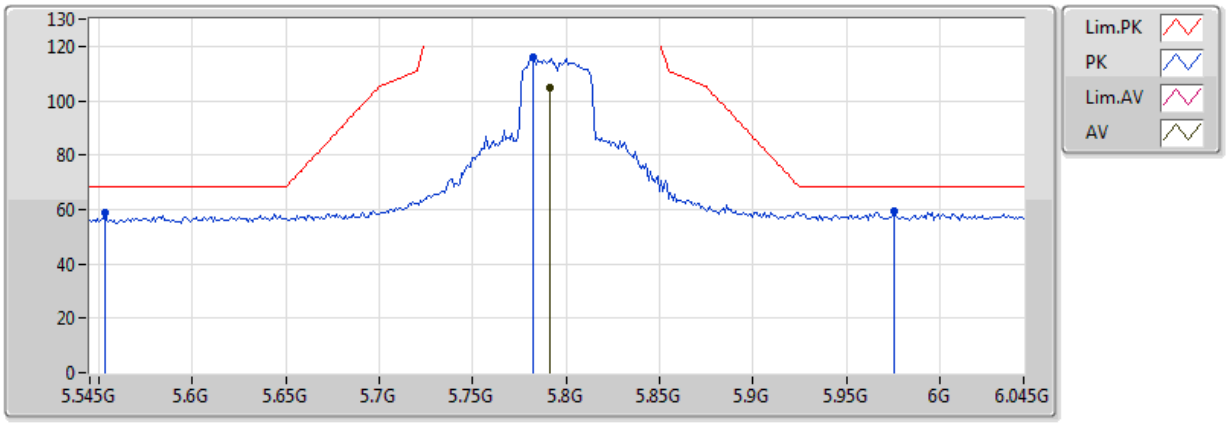


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.803G	112.41	Inf	-Inf	6.03	3	V	167	2.04	-
PK	5.649G	59.75	68.20	-8.45	5.59	3	V	167	2.04	-
PK	5.801G	123.31	Inf	-Inf	6.02	3	V	167	2.04	-
PK	5.941G	59.93	68.20	-8.27	6.56	3	V	167	2.04	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5795MHz_TX

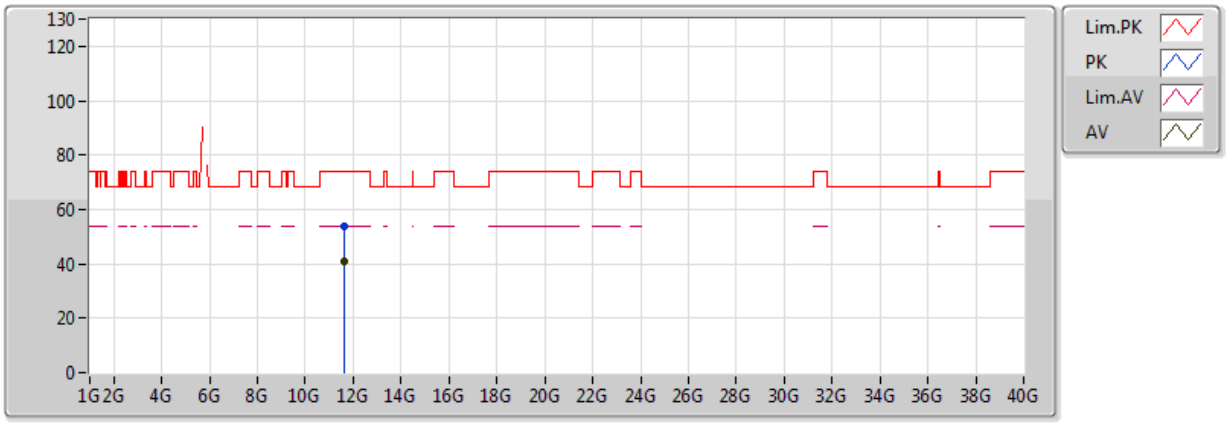


20170220
EUT Z_4TX
Setting 25
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.791G	104.62	Inf	-Inf	5.99	3	H	105	1.91	-
PK	5.553G	58.58	68.20	-9.62	5.28	3	H	105	1.91	-
PK	5.782G	116.06	Inf	-Inf	5.97	3	H	105	1.91	-
PK	5.976G	59.32	68.20	-8.88	6.69	3	H	105	1.91	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5795MHz_TX

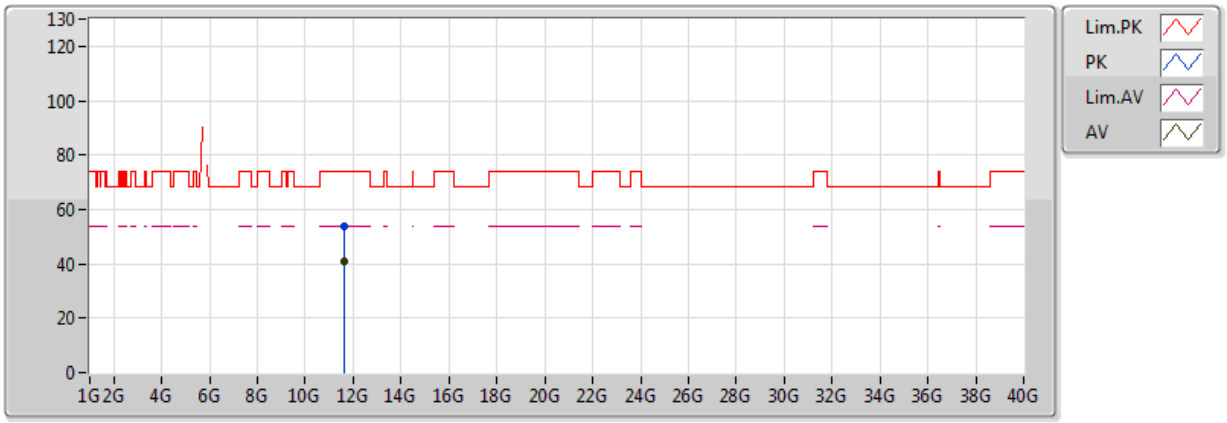


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5984G	40.63	54.00	-13.37	12.18	3	V	200	1.50	-
PK	11.59536G	53.94	74.00	-20.06	12.18	3	V	200	1.50	-

802.11ac VHT40-BF_Nss2,(MCS0)_4TX

5795MHz_TX

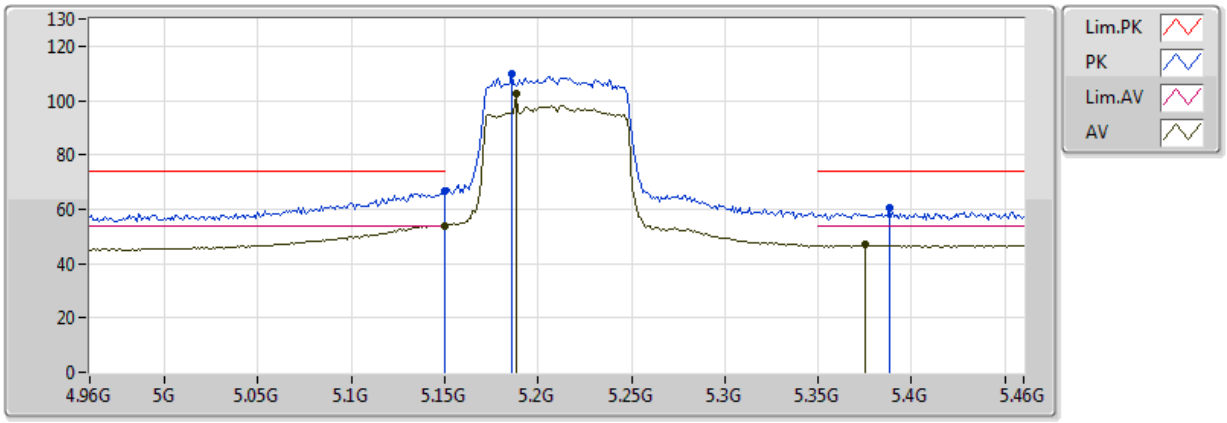


20170220
EUT Z_4TX
Setting 25
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59584G	41.17	54.00	-12.83	12.18	3	H	158	2.15	-
PK	11.59784G	54.04	74.00	-19.96	12.18	3	H	158	2.15	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5210MHz_TX

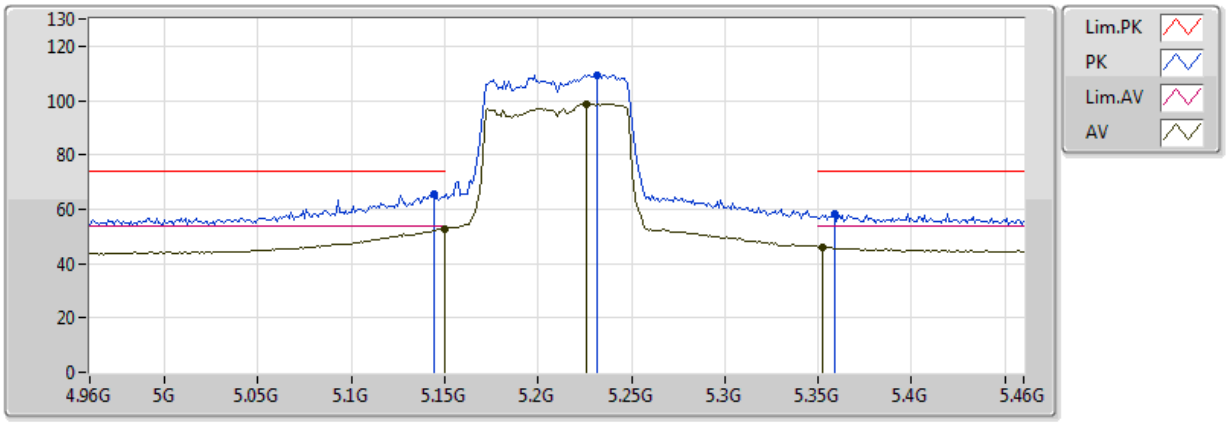


20170306
EUT Z_4TX
Setting 21
01-W-3-10
FSP(100304)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.55	54.00	-0.45	4.32	3	V	180	2.84	-
AV	5.188G	102.30	Inf	-Inf	4.40	3	V	180	2.84	-
AV	5.375G	46.81	54.00	-7.19	4.77	3	V	180	2.84	-
PK	5.149995G	66.56	74.00	-7.44	4.32	3	V	180	2.84	-
PK	5.186G	109.72	Inf	-Inf	4.40	3	V	180	2.84	-
PK	5.388G	60.52	74.00	-13.48	4.80	3	V	180	2.84	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5210MHz_TX

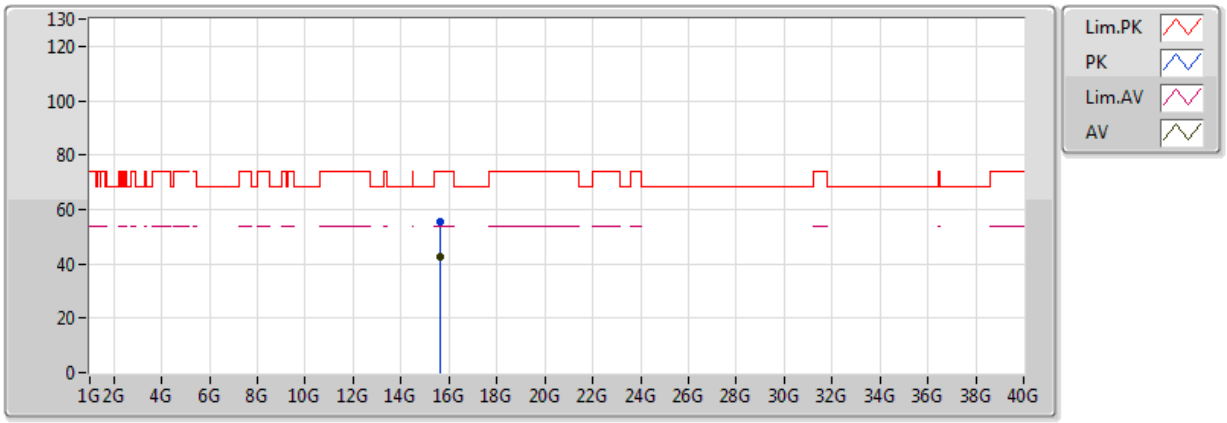


20170306
EUT Z_4TX
Setting 21
01-W-3-10
FSP(100304)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.95	54.00	-1.05	4.32	3	H	310	1.92	-
AV	5.226G	98.83	Inf	-Inf	4.48	3	H	310	1.92	-
AV	5.352G	46.10	54.00	-7.90	4.73	3	H	310	1.92	-
PK	5.144G	65.49	74.00	-8.51	4.31	3	H	310	1.92	-
PK	5.232G	109.42	Inf	-Inf	4.50	3	H	310	1.92	-
PK	5.359G	58.25	74.00	-15.75	4.75	3	H	310	1.92	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5210MHz_TX

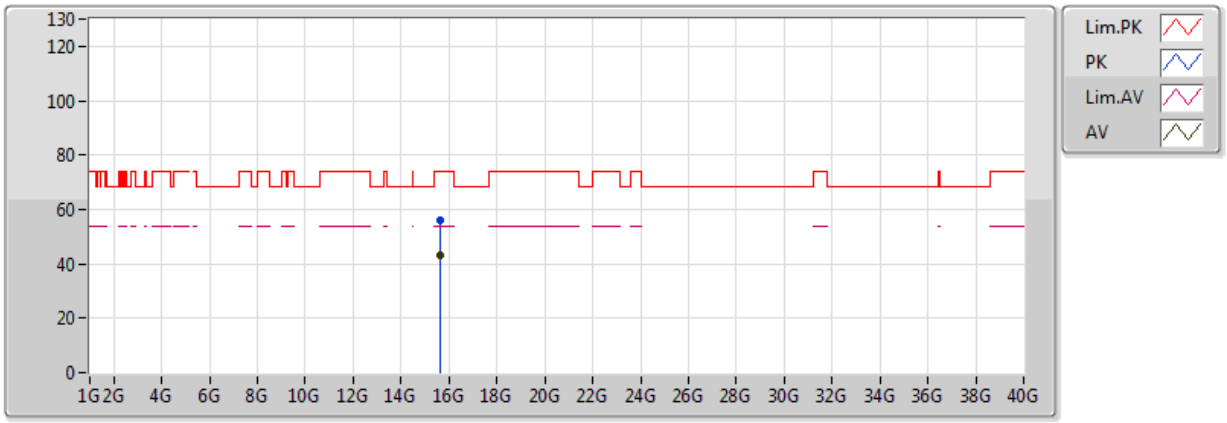


20170306
EUT Z_4TX
Setting 21
01-W-3-10
FSP(100304)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63548G	42.58	54.00	-11.42	13.79	3	V	37	1.33	-
PK	15.62452G	55.56	74.00	-18.44	13.81	3	V	37	1.33	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5210MHz_TX

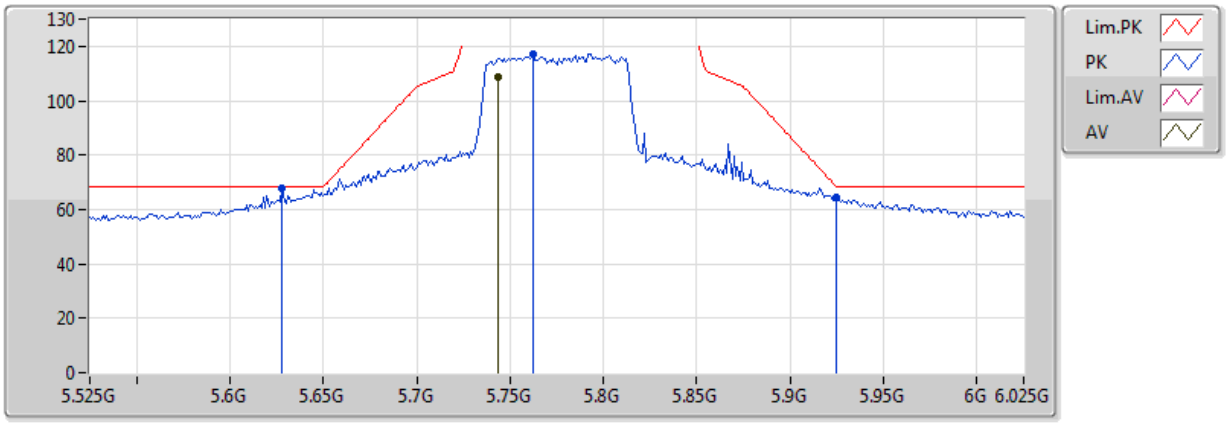


20170306
EUT Z_4TX
Setting 21
01-W-3-10
FSP(100304)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.6316G	42.95	54.00	-11.05	13.80	3	H	342	2.16	-
PK	15.62444G	56.05	74.00	-17.95	13.81	3	H	342	2.16	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5775MHz_TX

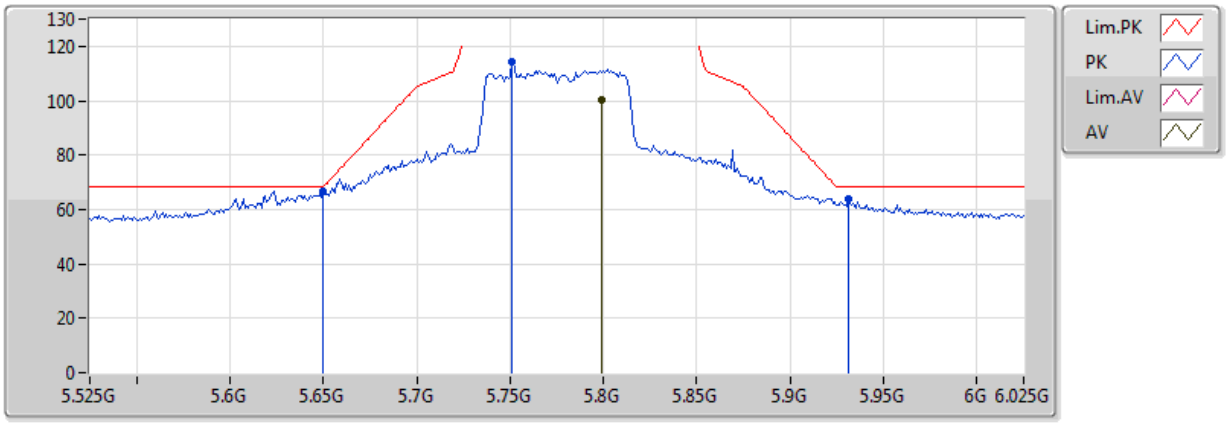


20170220
EUT Z_4TX
Setting 23
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.744G	108.91	Inf	-Inf	5.86	3	V	161	1.75	-
PK	5.628G	67.68	68.20	-0.52	5.52	3	V	161	1.75	-
PK	5.762G	117.17	Inf	-Inf	5.91	3	V	161	1.75	-
PK	5.925G	64.54	68.20	-3.66	6.50	3	V	161	1.75	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5775MHz_TX

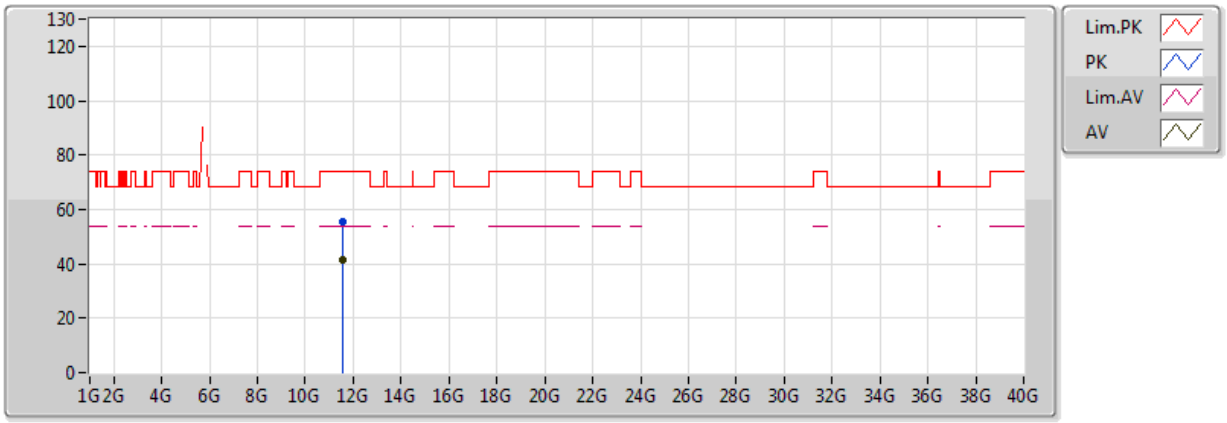


20170220
EUT Z_4TX
Setting 23
01-Z-1-10
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.799G	100.24	Inf	-Inf	6.02	3	H	273	1.88	-
PK	5.65G	66.88	68.20	-1.32	5.59	3	H	273	1.88	-
PK	5.751G	114.20	Inf	-Inf	5.88	3	H	273	1.88	-
PK	5.931G	63.91	68.20	-4.29	6.52	3	H	273	1.88	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5775MHz_TX

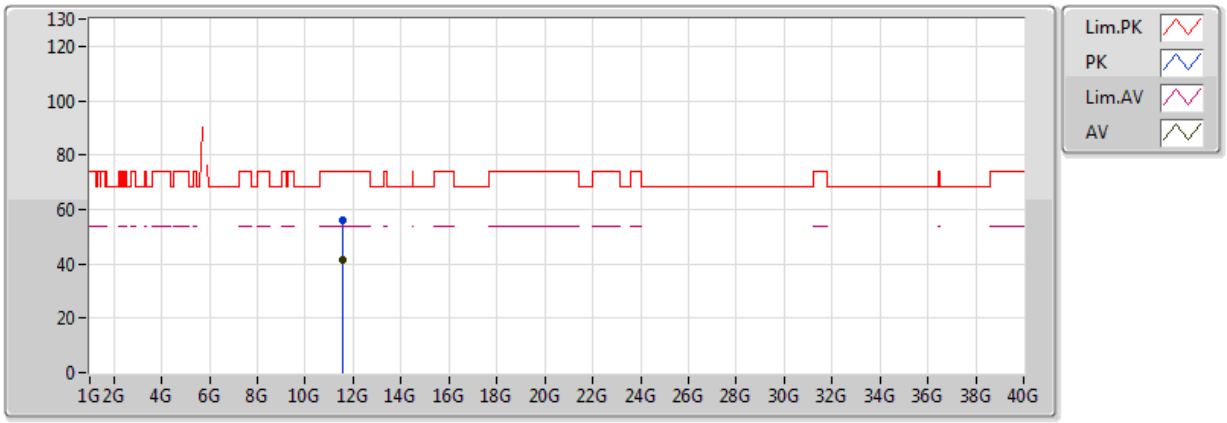


20170220
EUT Z_4TX
Setting 23
01-Z-1
FSU(100015)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.54136G	41.47	54.00	-12.53	12.15	3	V	10	2.35	-
PK	11.5772G	55.67	74.00	-18.33	12.17	3	V	10	2.35	-

802.11ac VHT80-BF_Nss2,(MCS0)_4TX

5775MHz_TX



20170220
EUT Z_4TX
Setting 23
01-Z-1
FSU(100015)

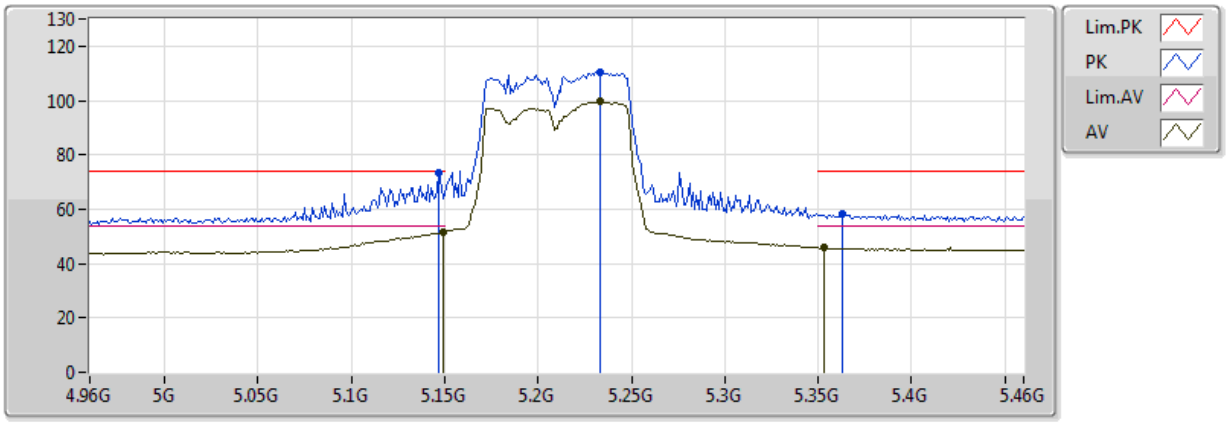
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.53928G	41.39	54.00	-12.61	12.15	3	H	265	1.78	-
PK	11.57704G	55.91	74.00	-18.09	12.17	3	H	265	1.78	-

For 802.11 VHT80+80 Mode
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	PK	5.147G	73.48	74.00	-0.52	4.26	3	V	139	1.98	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

#5210MHz,5775MHz_TX

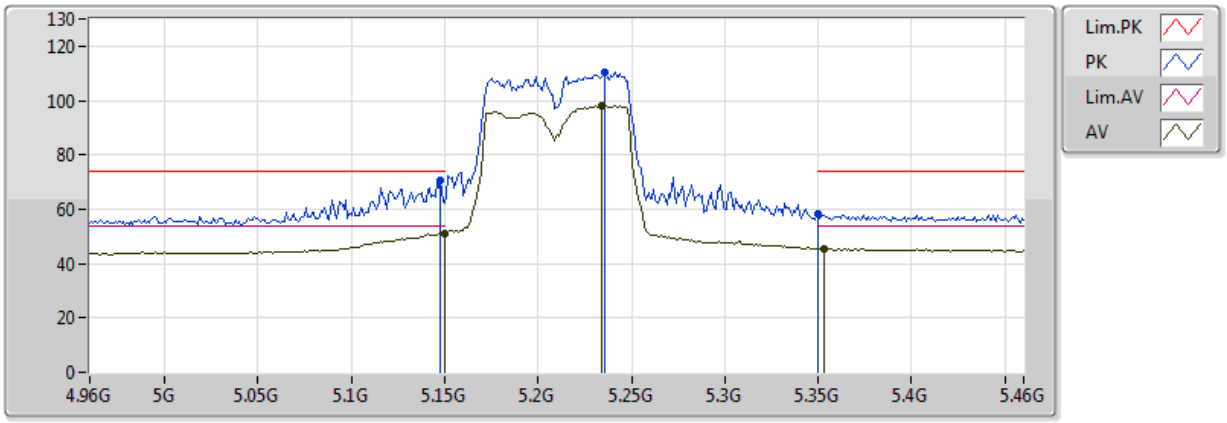


20170306
EUT Z_2TX
Setting 27
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	51.56	54.00	-2.44	4.27	3	V	139	1.98	-
AV	5.233G	99.79	Inf	-Inf	4.45	3	V	139	1.98	-
AV	5.353G	45.90	54.00	-8.10	4.70	3	V	139	1.98	-
PK	5.233G	110.59	Inf	-Inf	4.45	3	V	139	1.98	-
PK	5.363G	58.11	74.00	-15.89	4.71	3	V	139	1.98	-
PK	5.147G	73.48	74.00	-0.52	4.26	3	V	139	1.98	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

#5210MHz,5775MHz_TX

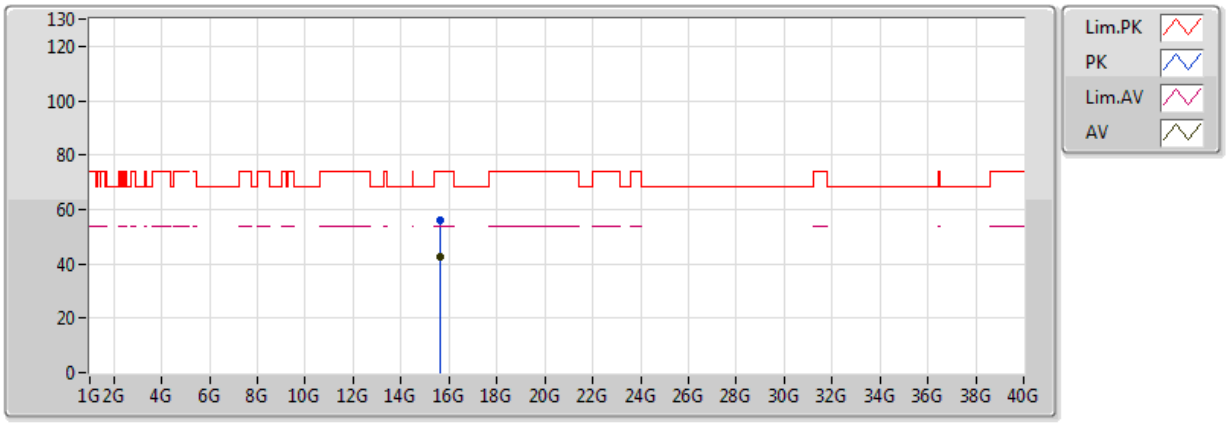


20170306
EUT Z_2TX
Setting 27
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.13	54.00	-2.87	4.32	3	H	136	2.04	-
AV	5.234G	97.94	Inf	-Inf	4.50	3	H	136	2.04	-
AV	5.353G	45.56	54.00	-8.44	4.74	3	H	136	2.04	-
PK	5.148G	70.47	74.00	-3.53	4.32	3	H	136	2.04	-
PK	5.236G	110.64	Inf	-Inf	4.51	3	H	136	2.04	-
PK	5.350005G	58.42	74.00	-15.58	4.73	3	H	136	2.04	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

#5210MHz,5775MHz_TX

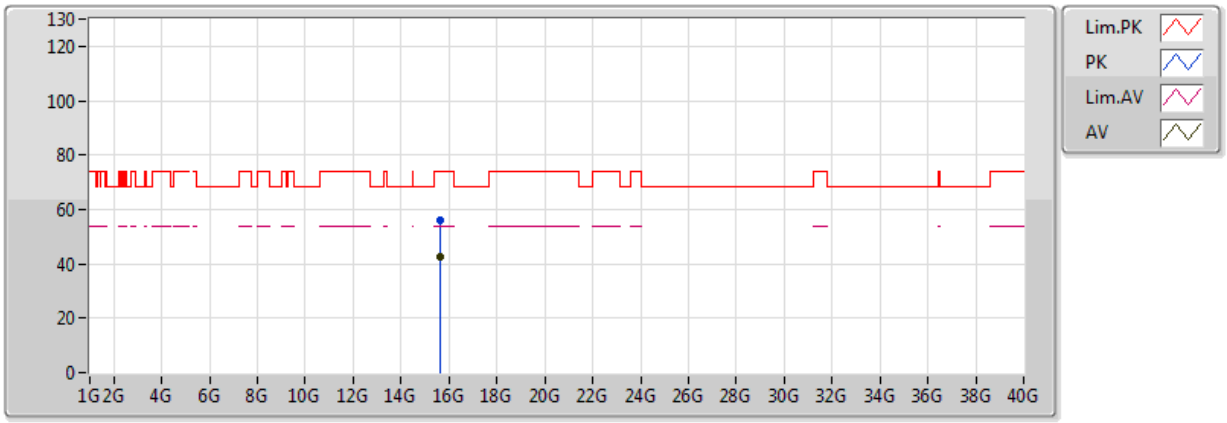


20170306
EUT Z_2TX
Setting 27
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.62732G	42.58	54.00	-11.42	13.80	3	V	93	2.09	-
PK	15.63452G	55.89	74.00	-18.11	13.79	3	V	93	2.09	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

#5210MHz,5775MHz_TX

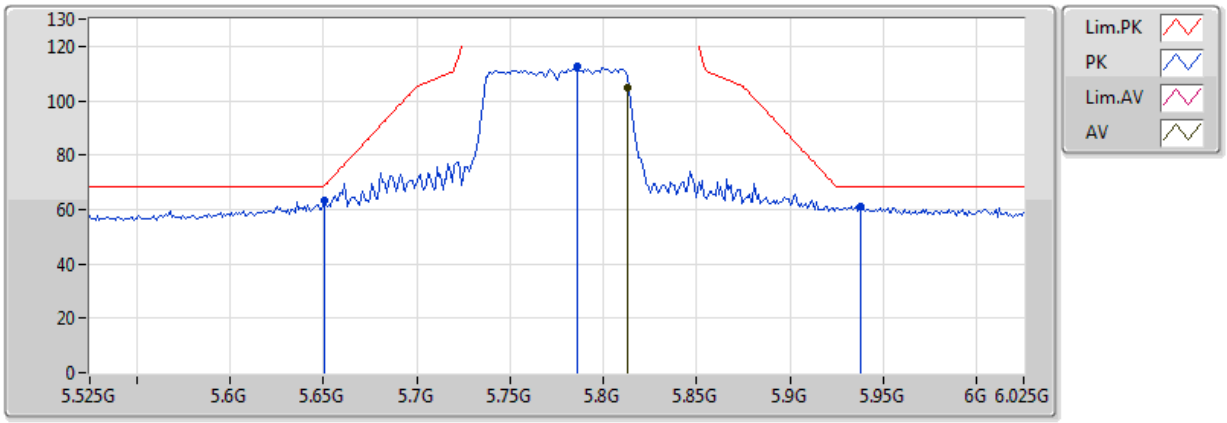


20170306
EUT Z_2TX
Setting 27
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.62524G	42.54	54.00	-11.46	13.81	3	H	217	1.34	-
PK	15.63068G	56.31	74.00	-17.69	13.80	3	H	217	1.34	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

5210MHz,#5775MHz_TX

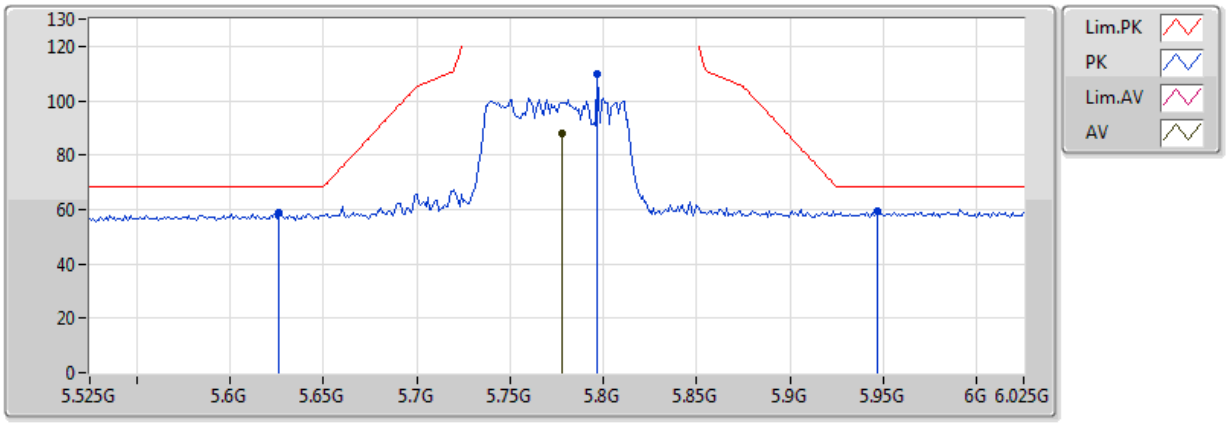


20170306
EUT Z_2TX
Setting 27
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.813G	104.85	Inf	-Inf	6.07	3	V	134	1.94	-
PK	5.651G	63.46	68.94	-5.48	5.59	3	V	134	1.94	-
PK	5.786G	112.73	Inf	-Inf	5.98	3	V	134	1.94	-
PK	5.938G	61.01	68.20	-7.19	6.55	3	V	134	1.94	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

5210MHz,#5775MHz_TX

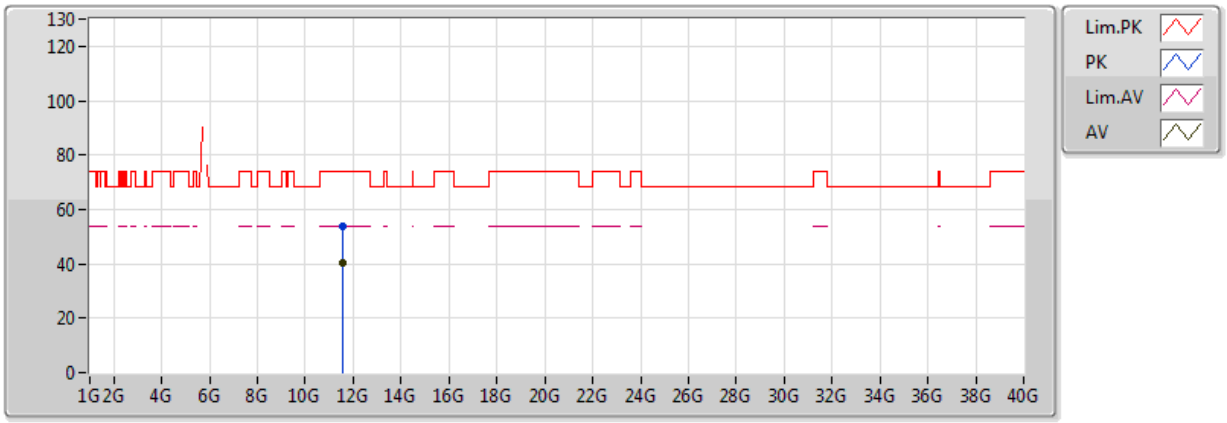


20170306
EUT Z_2TX
Setting 27
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.778G	88.20	Inf	-Inf	5.96	3	H	2	2.94	-
PK	5.626G	58.61	68.20	-9.59	5.52	3	H	2	2.94	-
PK	5.797G	109.73	Inf	-Inf	6.01	3	H	2	2.94	-
PK	5.947G	59.36	68.20	-8.84	6.58	3	H	2	2.94	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

5210MHz,#5775MHz_TX

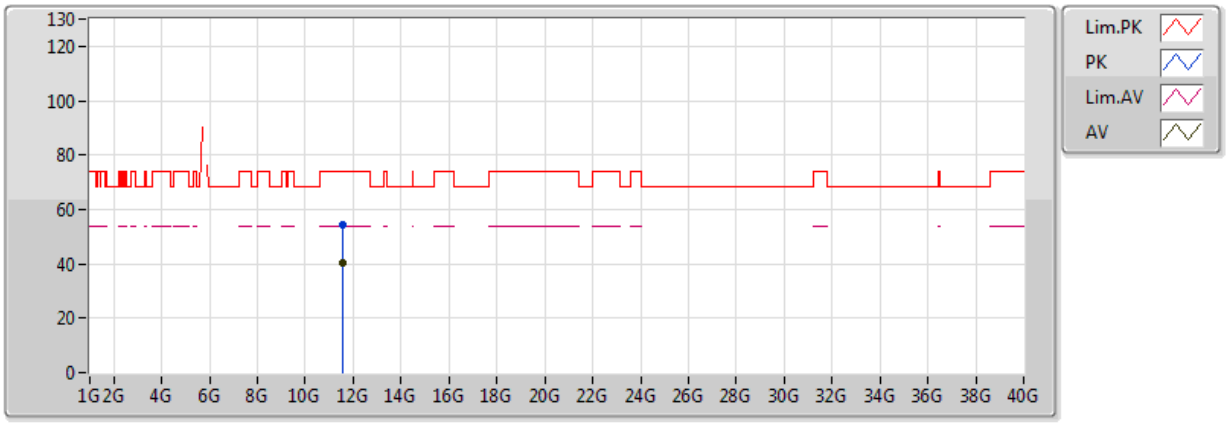


20170306
EUT Z_2TX
Setting 27
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55372G	40.49	54.00	-13.51	12.16	3	V	32	1.32	-
PK	11.54004G	53.80	74.00	-20.20	12.15	3	V	32	1.32	-

802.11ac VHT80+80-BF_Nss1,(MCS0)_2TX

5210MHz,#5775MHz_TX

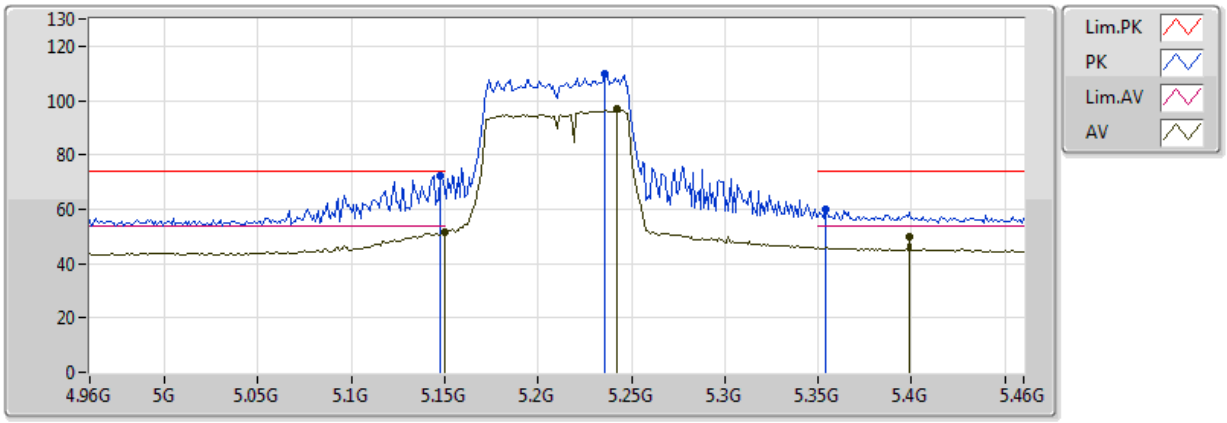


20170306
EUT Z_2TX
Setting 27
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.5504G	40.25	54.00	-13.75	12.16	3	H	54	1.91	-
PK	11.5494G	54.57	74.00	-19.43	12.16	3	H	54	1.91	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

#5210MHz,5775MHz_TX

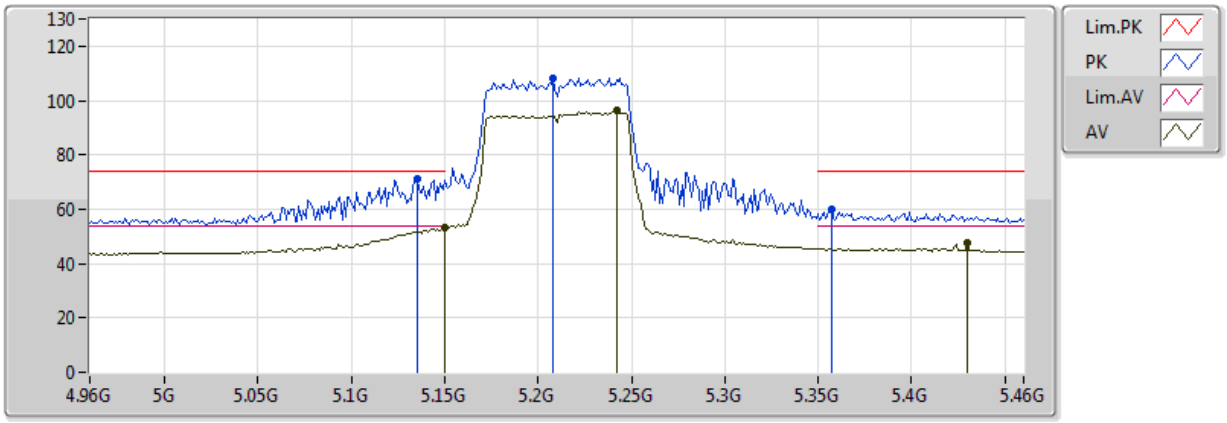


20170306
EUT Z_2TX
Setting 28
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.82	54.00	-2.18	4.32	3	V	267	1.94	-
AV	5.242G	97.10	Inf	-Inf	4.52	3	V	267	1.94	-
AV	5.399G	49.98	54.00	-4.02	4.82	3	V	267	1.94	-
PK	5.148G	72.45	74.00	-1.55	4.32	3	V	267	1.94	-
PK	5.236G	110.06	Inf	-Inf	4.51	3	V	267	1.94	-
PK	5.354G	60.23	74.00	-13.77	4.74	3	V	267	1.94	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

#5210MHz,5775MHz_TX

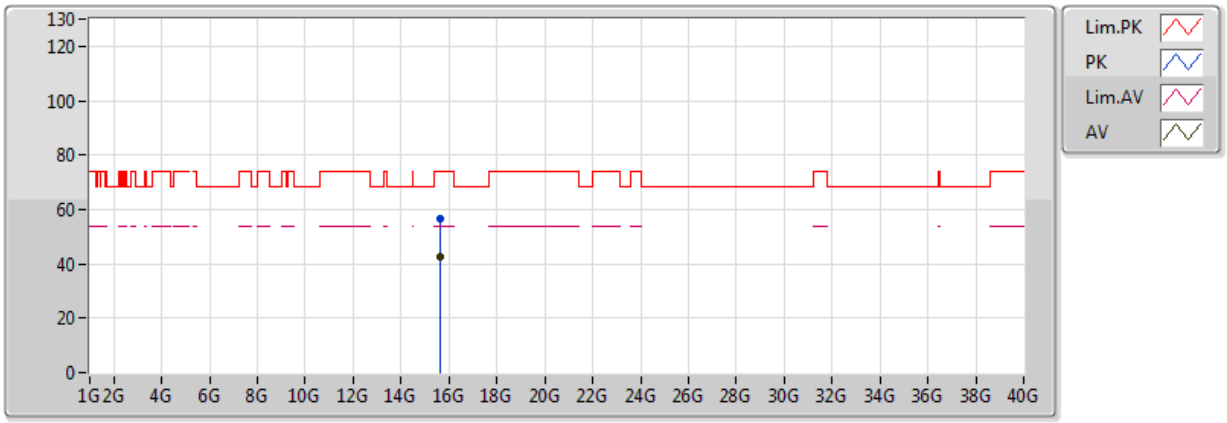


20170306
EUT Z_2TX
Setting 28
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.47	54.00	-0.53	4.32	3	H	317	2.10	-
AV	5.242G	96.49	Inf	-Inf	4.52	3	H	317	2.10	-
AV	5.43G	47.78	54.00	-6.22	4.90	3	H	317	2.10	-
PK	5.135G	71.07	74.00	-2.93	4.29	3	H	317	2.10	-
PK	5.208G	108.36	Inf	-Inf	4.45	3	H	317	2.10	-
PK	5.357G	59.92	74.00	-14.08	4.74	3	H	317	2.10	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

#5210MHz,5775MHz_TX

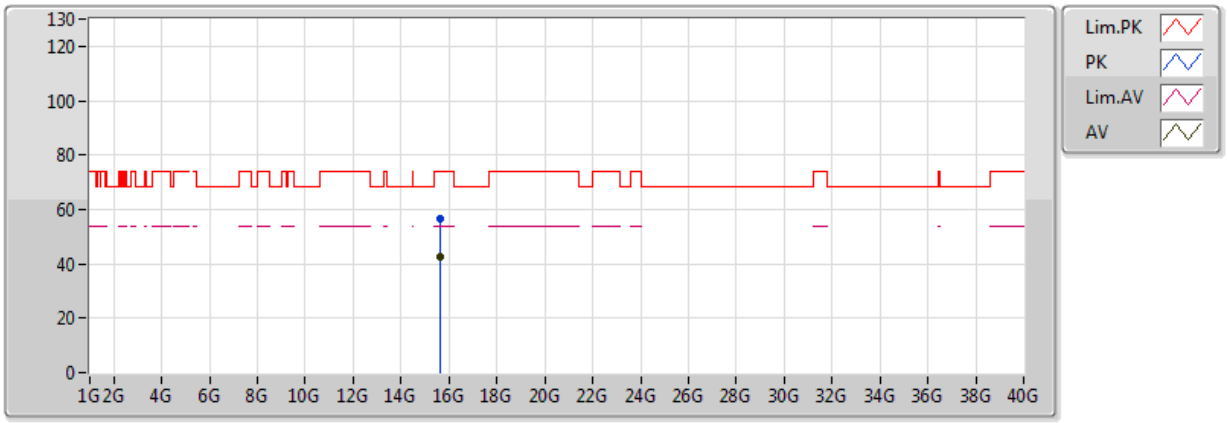


20170306
EUT Z_2TX
Setting 28
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63524G	42.78	54.00	-11.22	13.79	3	V	246	1.57	-
PK	15.63972G	56.43	74.00	-17.57	13.79	3	V	246	1.57	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

#5210MHz,5775MHz_TX

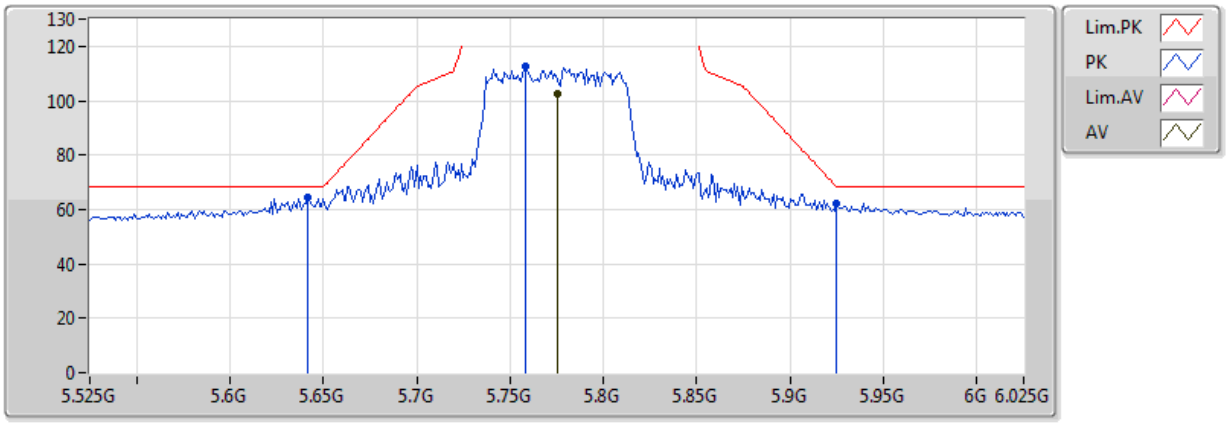


20170306
EUT Z_2TX
Setting 28
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.63832G	42.70	54.00	-11.30	13.79	3	H	274	1.73	-
PK	15.62404G	56.53	74.00	-17.47	13.81	3	H	274	1.73	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

5210MHz,#5775MHz_TX

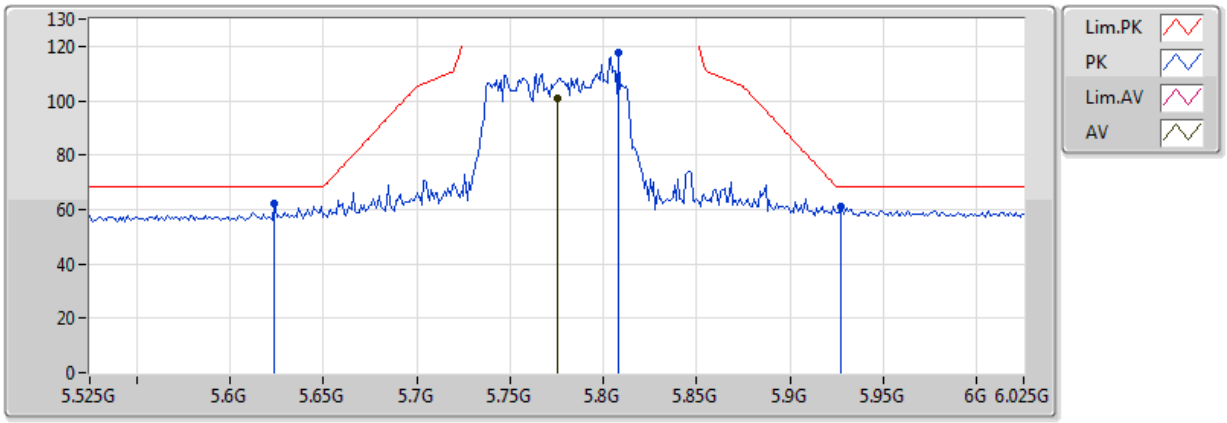


20170306
EUT Z_2TX
Setting 28
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.775G	102.73	Inf	-Inf	5.95	3	V	158	2.96	-
PK	5.642G	64.66	68.20	-3.54	5.57	3	V	158	2.96	-
PK	5.758G	112.54	Inf	-Inf	5.90	3	V	158	2.96	-
PK	5.925G	62.14	68.20	-6.06	6.50	3	V	158	2.96	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

5210MHz,#5775MHz_TX

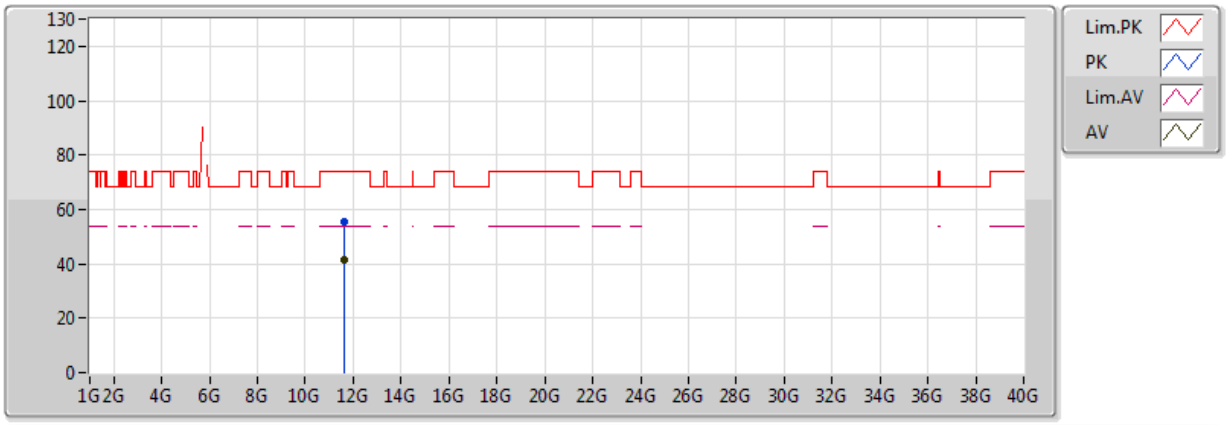


20170306
EUT Z_2TX
Setting 28
01-S-6-10

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.775G	100.70	Inf	-Inf	5.95	3	H	176	1.27	-
PK	5.624G	62.44	68.20	-5.76	5.51	3	H	176	1.27	-
PK	5.808G	117.92	Inf	-Inf	6.05	3	H	176	1.27	-
PK	5.927G	61.09	68.20	-7.11	6.51	3	H	176	1.27	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

5210MHz,#5775MHz_TX

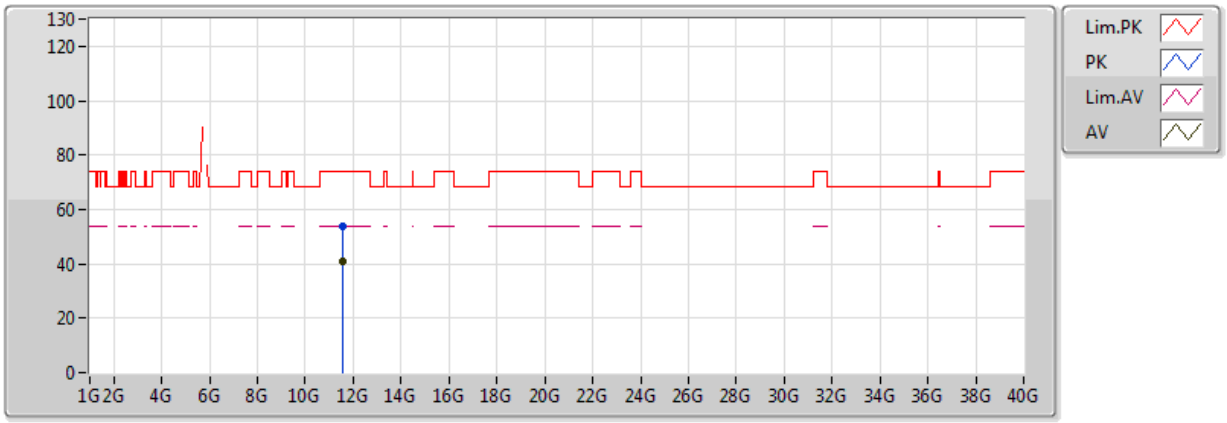


20170306
EUT Z_2TX
Setting 28
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.605G	41.61	54.00	-12.39	12.18	3	V	325	1.84	-
PK	11.61G	55.67	74.00	-18.33	12.19	3	V	325	1.84	-

802.11ac VHT80+80-BF_Nss2,(MCS0)_2TX

5210MHz,#5775MHz_TX



20170306
EUT Z_2TX
Setting 28
01-S-6

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55032G	40.70	54.00	-13.30	12.16	3	H	21	1.29	-
PK	11.55392G	53.84	74.00	-20.16	12.16	3	H	21	1.29	-

Mode: 20 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9597	5199.9589	5199.9587	5199.9583
110.00	5199.9596	5199.9591	5199.9583	5199.9581
93.50	5199.9591	5199.9586	5199.9577	5199.9575
Max. Deviation (MHz)	0.0409	0.0414	0.0423	0.0425
Max. Deviation (ppm)	7.87	7.96	8.13	8.17
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5199.9628	5199.9621	5199.9613	5199.9603
10	5199.9609	5199.9605	5199.9600	5199.9591
20	5199.9596	5199.9594	5199.9588	5199.9585
30	5199.9592	5199.9588	5199.9578	5199.9571
40	5199.9586	5199.9578	5199.9572	5199.9563
Max. Deviation (MHz)	0.0414	0.0422	0.0428	0.0437
Max. Deviation (ppm)	7.96	8.12	8.23	8.40
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9603	5784.9602	5784.9601	5784.9600
110.00	5784.9596	5784.9586	5784.9580	5784.9572
93.50	5784.9593	5784.9583	5784.9578	5784.9573
Max. Deviation (MHz)	0.0407	0.0417	0.0422	0.0428
Max. Deviation (ppm)	7.04	7.21	7.29	7.40
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5784.9630	5784.9624	5784.9623	5784.9616
10	5784.9613	5784.9604	5784.9596	5784.9587
20	5784.9596	5784.9586	5784.9581	5784.9573
30	5784.9592	5784.9591	5784.9585	5784.9580
40	5784.9577	5784.9574	5784.9567	5784.9559
Max. Deviation (MHz)	0.0423	0.0426	0.0433	0.0441
Max. Deviation (ppm)	7.31	7.36	7.48	7.62
Result	Pass			

Mode: 40 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9597	5189.9593	5189.9588	5189.9580
110.00	5189.9596	5189.9586	5189.9582	5189.9578
93.50	5189.9587	5189.9582	5189.9576	5189.9573
Max. Deviation (MHz)	0.0413	0.0418	0.0424	0.0427
Max. Deviation (ppm)	7.96	8.05	8.17	8.23
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5189.9623	5189.9618	5189.9610	5189.9604
10	5189.9612	5189.9608	5189.9601	5189.9598
20	5189.9596	5189.9591	5189.9585	5189.9583
30	5189.9592	5189.9588	5189.9582	5189.9577
40	5189.9584	5189.9578	5189.9573	5189.9565
Max. Deviation (MHz)	0.0416	0.0422	0.0427	0.0435
Max. Deviation (ppm)	8.02	8.13	8.23	8.38
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9601	5754.9593	5754.9592	5754.9588
110.00	5754.9596	5754.9594	5754.9586	5754.9579
93.50	5754.9587	5754.9583	5754.9576	5754.9568
Max. Deviation (MHz)	0.0413	0.0417	0.0424	0.0432
Max. Deviation (ppm)	7.18	7.25	7.37	7.51
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5754.9632	5754.9625	5754.9621	5754.9613
10	5754.9614	5754.9610	5754.9600	5754.9594
20	5754.9596	5754.9592	5754.9585	5754.9580
30	5754.9592	5754.9584	5754.9578	5754.9575
40	5754.9582	5754.9574	5754.9564	5754.9555
Max. Deviation (MHz)	0.0418	0.0426	0.0436	0.0445
Max. Deviation (ppm)	7.26	7.40	7.58	7.73
Result	Pass			

Mode: 80 MHz / Chain 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9597	5209.9596	5209.9588	5209.9581
110.00	5209.9596	5209.9588	5209.9582	5209.9572
93.50	5209.9588	5209.9583	5209.9574	5209.9566
Max. Deviation (MHz)	0.0412	0.0417	0.0426	0.0434
Max. Deviation (ppm)	7.91	8.00	8.18	8.33
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5209.9629	5209.9627	5209.9620	5209.9612
10	5209.9610	5209.9605	5209.9596	5209.9591
20	5209.9596	5209.9587	5209.9583	5209.9578
30	5209.9592	5209.9586	5209.9576	5209.9572
40	5209.9584	5209.9575	5209.9570	5209.9560
Max. Deviation (MHz)	0.0416	0.0425	0.0430	0.0440
Max. Deviation (ppm)	7.98	8.16	8.25	8.45
Result	Pass			

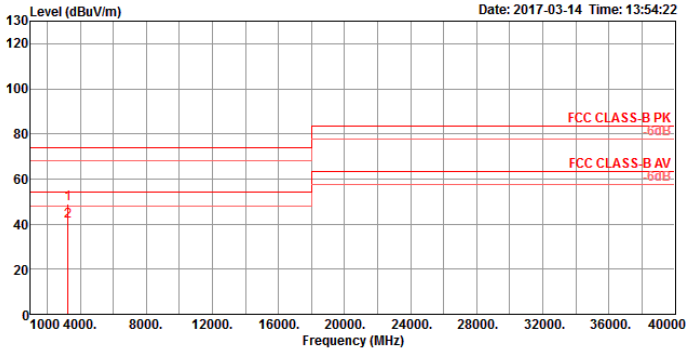
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9606	5774.9598	5774.9597	5774.9591
110.00	5774.9596	5774.9589	5774.9582	5774.9573
93.50	5774.9590	5774.9587	5774.9580	5774.9578
Max. Deviation (MHz)	0.0410	0.0413	0.0420	0.0427
Max. Deviation (ppm)	7.10	7.15	7.27	7.39
Result	Pass			

Temperature vs. Frequency Stability

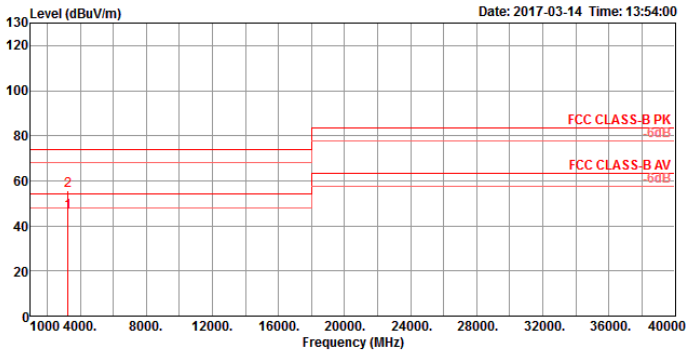
Temperature	Measurement Frequency (MHz)			
(℃)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
0	5774.9601	5774.9596	5774.9595	5774.9594
10	5774.9599	5774.9594	5774.9590	5774.9580
20	5774.9596	5774.9590	5774.9585	5774.9576
30	5774.9592	5774.9584	5774.9582	5774.9581
40	5774.9574	5774.9573	5774.9570	5774.9560
Max. Deviation (MHz)	0.0426	0.0427	0.0430	0.0440
Max. Deviation (ppm)	7.38	7.39	7.45	7.62
Result	Pass			

RSE Co-location Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	3262.62	48.98	74.00	-25.02	61.44	6.48	29.90	48.84	161	134	Peak	HORIZONTAL
2	3262.66	41.26	54.00	-12.74	53.72	6.48	29.90	48.84	161	134	Average	HORIZONTAL

RSE Co-location Result			
Operating Mode	1	**Polarization**	Vertical
Operating Function	Normal Link		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	3262.61	45.98	54.00	-8.02	58.44	6.48	29.90	48.84	176	149	Average	VERTICAL
2	3262.63	55.44	74.00	-18.56	67.90	6.48	29.90	48.84	176	149	Peak	VERTICAL