FCC Test Report

Equipment	:	Liberty Wireless Module
Brand Name	:	Bowers & Wilkins
Model No.	:	CC72036
FCC ID	:	2ACIX-LWM
Standard	:	47 CFR FCC Part 15.407
Operating Band	:	5150 MHz – 5250 MHz 5250 MHz – 5350 MHz 5470 MHz – 5725 MHz 5725 MHz – 5850 MHz
Applicant	:	B&W Group Ltd. Dale Road Worthing, West Sussex BN11 2BH, United Kingdom
Manufacturer	:	B&W Group Ltd. Dale Road Worthing, West Sussex BN11 2BH, United Kingdom
Function	:	☐ Outdoor; ☒ Indoor; ☐ Fixed P2P ☒ Client
TPC Function	:	☒ With TPC ☐ Without TPC

The product sample received on Sep. 15, 2017 and completely tested on Nov. 17, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Cliff Chang
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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Summary of Test Result

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

Revision History

Report No.	Version	Description	Issued Date
FR790630AB	Rev. 01	Initial issue of report	Dec. 15, 2017
FR790630AB	Rev. 02	Adding twelve dipole antennas	Jan. 08, 2018

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]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11a	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11a	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

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

1.1.2 Antenna Information

Ant.	Port	Radio	Brand	P/N	Antenna Type	Connector	Gain (dBi)		
							WLAN 2.4GHz	WLAN 5GHz	BT
1	1	R1	LUXSHARE ICT	DCIW303	Dipole Antenna	I-PEX	2.02	3.06	-
2	2	R1	LUXSHARE ICT	DCIW303	Dipole Antenna	I-PEX	2.02	-	-
3	1	R2	LUXSHARE ICT	DCIW303	Dipole Antenna	I-PEX	-	3.06	-
4	2	R2	LUXSHARE ICT	DCIW303	Dipole Antenna	I-PEX	-	3.06	-
5	1	R3/R4	LUXSHARE ICT	DCIW303	Dipole Antenna	I-PEX	-	3.06	2.02
6	2	R3	LUXSHARE ICT	DCIW303	Dipole Antenna	I-PEX	-	3.06	-
7	-	R2/R3	ACON	ZZ35343	Dipole Antenna	I-PEX 20670-001R-37	-	1.28	-
8	-	R1/R2/R3	ACON	ZZ35351	Dipole Antenna	I-PEX 20670-001R-37	1.92	2	-
9	-	R2/R3	ACON	ZZ35378	Dipole Antenna	I-PEX 20670-001R-37	-	1.77	-
10	-	R2/R3	ACON	ZZ35386	Dipole Antenna	I-PEX 20670-001R-37	-	2.93	-
11	-	R1	ACON	ZZ35394	Dipole Antenna	I-PEX 20670-001R-37	1.53	NA	-
12	-	R1/R2/R3/R4	ACON	ZZ35408	Dipole Antenna	I-PEX 20670-001R-37	1.92	1.52	1.92
13	-	R2/R3	ACON	ZZ35491	Dipole Antenna	I-PEX 20670-001R-37	-	2.12	-
14	-	R1/R2/R3	ACON	ZZ35505	Dipole Antenna	I-PEX 20670-001R-37	1.94	2.88	-
15	-	R2/R3	ACON	ZZ35513	Dipole Antenna	I-PEX 20670-001R-37	-	1.73	-
16	-	R2/R3	ACON	ZZ35521	Dipole Antenna	I-PEX 20670-001R-37	-	1.41	-
17	-	R1	ACON	ZZ35548	Dipole Antenna	I-PEX 20670-001R-37	1.91	-	-
18	-	R1/R2/R3/R4	ACON	ZZ35556	Dipole Antenna	I-PEX 20670-001R-37	1.62	0.46	1.62

Note:There are 18 antennas in the antenna table list, antenna 1~6 are the highest gain antennas.

They were selected to perform the test and recorded in this report.

For 2.4GHz function:

Radio 1

For IEEE 802.11b/g/n/ac mode (2TX/2RX)

Ant.1 (Port 1) and Ant.2 (Port 2) could transmit/receive simultaneously.

For 5GHz function:

Radio 1 (For B1~B4)

For IEEE 802.11a/n/ac mode (1RX)

Only Ant.1 (Port 1) can be used as receiving antenna.

Radio 2 (For B3~B4)

For IEEE 802.11a/n/ac mode (2TX/2RX)

Ant.3 (Port 1) and Ant.4 (Port 2) could transmit/receive simultaneously.

Radio 3 (For B1~B2)

For IEEE 802.11a/n mode (2TX/2RX)

Ant.5 (Port 1) and Ant.6 (Port 2) could transmit/receive simultaneously.

For bluetooth function:

Radio 4

For bluetooth mode (1TX/1RX)

Only Ant.5 (Port 1) can be used as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For Radio 3 (For B1~B2)

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.978	0.097	2.028m	1k
802.11n HT20	0.973	0.119	1.885m	1k
802.11n HT40	0.954	0.205	925u	3k

For Radio 2 (For B3~B4)

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.964	0.159	2.095m	1k
802.11ac VHT20	0.992	0.035	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.97	0.132	2.44m	1k
802.11ac VHT80	0.94	0.269	1.18m	1k

1.1.4 EUT Operational Condition

EUT Power Type	From host system			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Test Software Version	Radio 2:QRCT Version 3.0.244.0, Radio 3:artagui.exe			

1.1.5 Table for EUT functions

Radio	2.4GHz & 5GHz (B1~B4) (5GHz Scanning only)	5GHz (B1&B2)	5GHz (B3&B4)	Bluetooth
1	V	-	-	-
2	-	-	V	-
3	-	V	-	-
4	-	-	-	V

Type of function	2.4GHz (Radio 1)	5GHz (B1&B2) (Radio 3)	5GHz (B3&B4) (Radio 2)	5GHz (Radio 1) (B1~B4) (Scanning only)	Bluetooth (Radio 4)
AP Mode (Master)	N/A	V	V	V	V
Station Mode (Slave without radar detection)	V	V	V	N/A	V
Station Mode (Slave without radar detection)	N/A	V	V	V	V
Test Mode	**2.4GHz (Radio 1)**	**5GHz (B1&B2) (Radio 3)**	**5GHz (B3&B4) (Radio 2)**	**5GHz (Radio 1) (B1~B4) (Scanning only)**	**Bluetooth (Radio 4)**
AP Mode (For lisn and Emissions in Non-restricted Frequency Bands below 1GHz)	Station Mode	AP Mode	AP Mode	Not work (Note)	Not work (Note)
Station Mode	Station Mode	Station Mode	Station Mode	Not work (Note)	Not work (Note)
For Radiated Emission Co-location					
AP Mode	Station Mode	AP Mode	AP Mode	Not work (Note)	AP Mode

Note: Normal link does not support BT link and RX Scanning function.

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 v02
- 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	Brian Sun & Eddie Weng	22°C / 54%	Sep. 26, 2017 ~ Nov. 16, 2017
Radiated	03CH01-CB	Paul Chen & DK Chang & Justin Lin & Joy Tseng & Zero Chen & Mason Chen	22°C / 54%	Sep. 28, 2017 ~ Oct. 06, 2017
AC Conduction	CO01-CB	Max Lin	25°C / 59%	Nov. 17, 2017

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

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

For R3 B1 / Master

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	16.5
5200MHz	23
5240MHz	21
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	17
5200MHz	24
5240MHz	20.5
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	20

For R3 B1 / Slave without radar detection

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	16.5
5200MHz	19.5
5240MHz	20.5
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	17
5200MHz	20.5
5240MHz	20.5
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	20

For R3 B2 / Master and Slave without radar detection

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	21
5300MHz	21
5320MHz	20.5
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	20.5
5300MHz	20.5
5320MHz	21.5
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	21.5
5310MHz	15

For R2 B3 / Master and Slave without radar detection

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5500MHz	18.5
5580MHz	17.5
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	23
5785MHz	22
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5500MHz	19
5580MHz	18
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	23
5785MHz	21
5825MHz	22.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5510MHz	17
5550MHz	19.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	26.5
5795MHz	26.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5530MHz	16
5610MHz	19.5
5690MHz Straddle 5.47-5.725GHz	19.5
5690MHz Straddle 5.725-5.85GHz	19.5
5775MHz	21

For R2 B4 / Master and Slave without radar detection

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5745MHz	23
5785MHz	22
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5745MHz	23
5785MHz	21
5825MHz	22.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5755MHz	26.5
5795MHz	26.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5775MHz	21

Note:
- VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40. (For Radio 2)

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	AP Mode
2	Station Mode
Mode 2 generated the worst test result, so it was recorded in this report.	

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
1	AP Mode-EUT in Y axis
2	AP Mode-EUT in Z axis
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	Station Mode-EUT in Y axis
Mode 1 generated the worst test result, so it was recorded in this report.	
Operating Mode > 1GHz	CTX
	The EUT was performed at X axis, Y axis and Z axis position for Unwanted Emissions above 1GHz test, and the worst case were found at X axis for Radio 2 and at Z axis for Radio 3. So the measurement will follow this same test configuration.
1	EUT in Z axis-Radio 3 (B1~B2)
2	EUT in X axis-Radio 2 (B3~B4)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	EUT in X axis - R1 (2.4G / Station mode) + R3 (5G B1~B2 / AP mode) + R2 (5G B3~B4 / AP mode) + R4 (BT / AP mode)
2	EUT in Y axis - R1 (2.4G / Station mode) + R3 (5G B1~B2 / AP mode) + R2 (5G B3~B4 / AP mode) + R4 (BT / AP mode)
3	EUT in Z axis - R1 (2.4G / Station mode) + R3 (5G B1~B2 / AP mode) + R2 (5G B3~B4 / AP mode) + R4 (BT / AP mode)
Mode 3 generated the worst test result, so it was recorded in this report.	
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1 (2.4G) + R3 (5G B1~B2) + R2 (5G B3~B4) + R4 (BT)
Refer to Sporton Test Report No.: FA790630 for Co-location RF Exposure Evaluation.	

Note: All the specification of test configurations and test modes were based on customer's request.

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

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	AP Router*3	Planex	GW-AP54SGX	KA220030603014-1
3	Mouse	Logitech	M-U0026	DoC
4	Earphone	e-Power	S90W	DoC
5	Test fixture	Arcadyan	WN9722BTBAC22-WB JIG TEST	N/A

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

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB*4	DELL	E4300	DoC
2	WLAN AP	D-LINK	DIR860L	KA2IR860LA1
3	Mouse	Logitech	M-U0026	DoC
4	Earphone	SHYARO CHI	MIC-04	N/A
5	Test fixture	Arcadyan	WN9722BTBAC22-WB JIG TEST	N/A

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

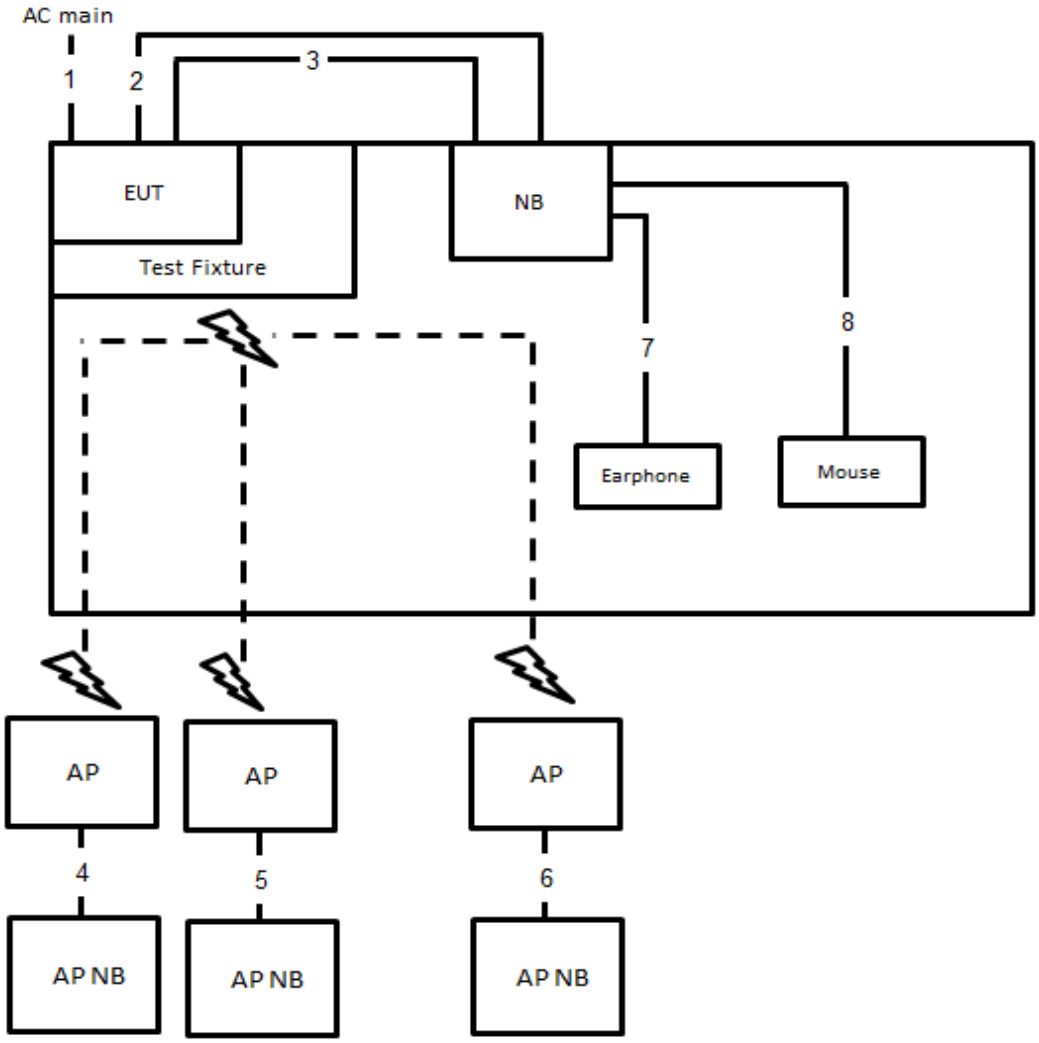
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	Test fixture	Arcadyan	WN9722BTBAC22-WB JIG TEST	N/A

For Test Site No: TH01-CB

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	NB	DELL	E4300	DoC
2	Test fixture	Arcadyan	WN9722BTBAC22-WB JIG TEST	N/A

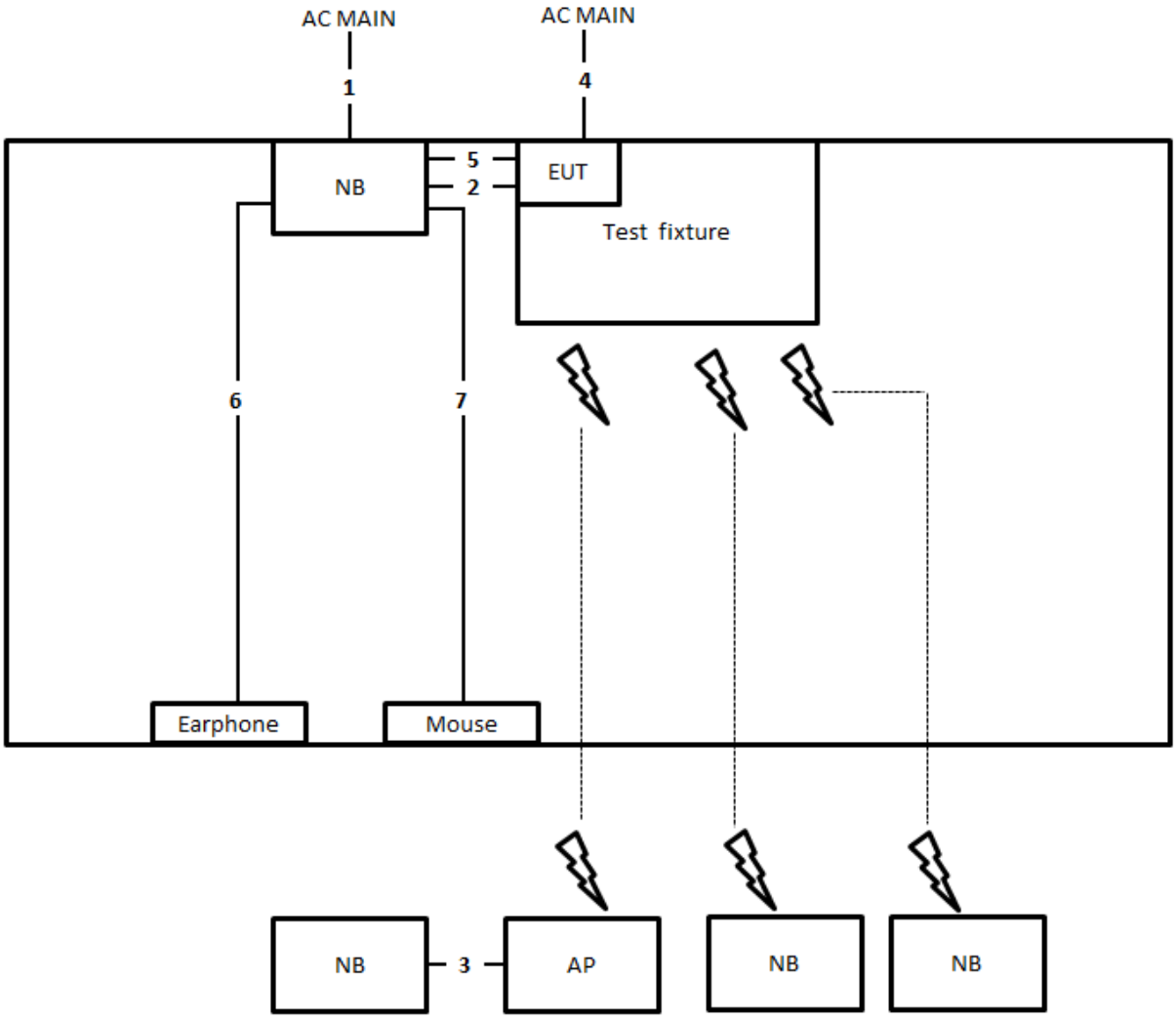
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



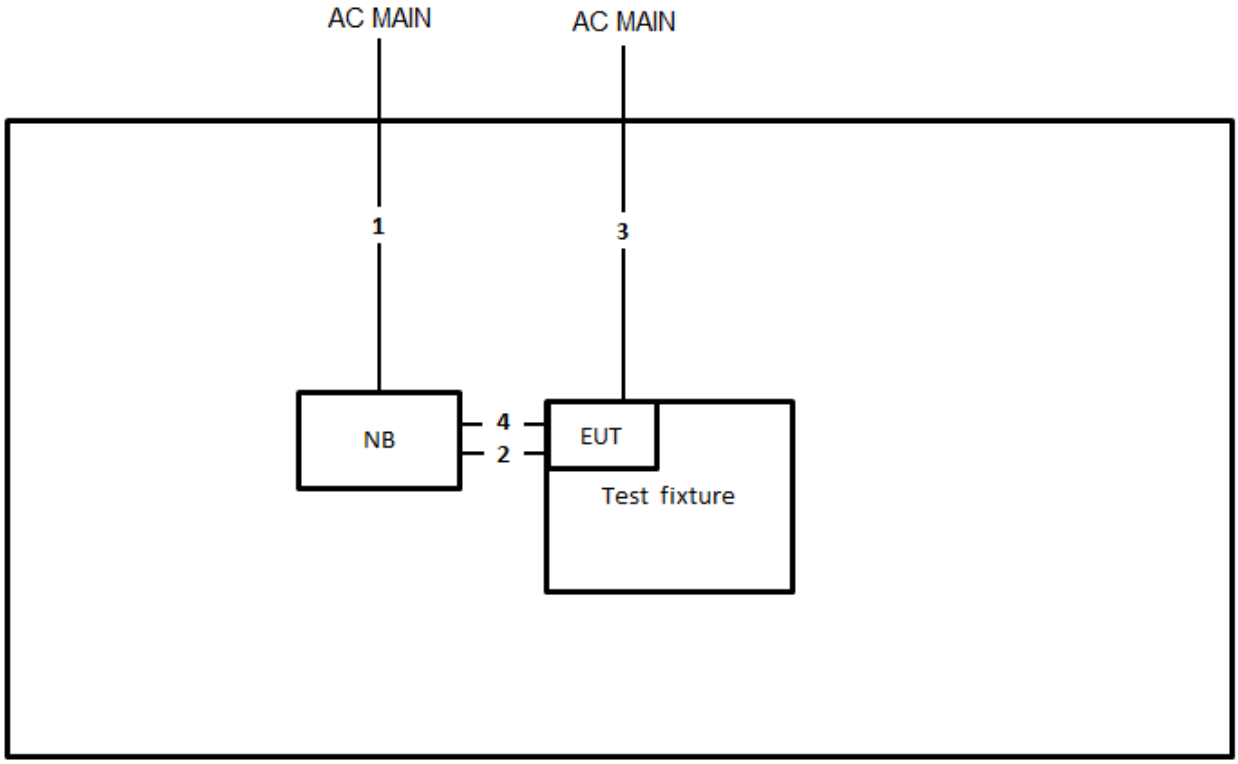
Item	Connection	Shielded	Length
1	Power cable	No	3m
2	RJ-45 cable	No	1m
3	USB cable	Yes	1m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	1.5m
6	RJ-45 cable	No	1.5m
7	Audio cable	No	1.4m
8	USB cable	Yes	1.8m

Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	3m
2	USB cable	Yes	1m
3	RJ-45 cable	No	1.5m
4	Power cable	No	1.3m
5	USB cable	Yes	1m
6	Audio cable	No	1.1m
7	USB cable	Yes	1.8m

Test Setup Diagram - Radiated Test > 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	3m
2	USB cable	Yes	1m
3	Power cable	No	1.3m
4	USB cable	Yes	1m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

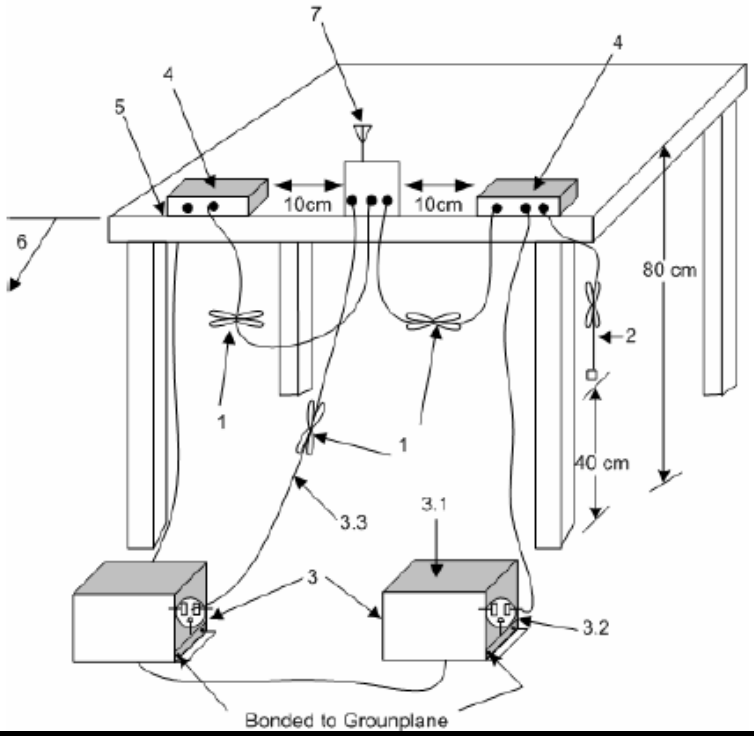
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

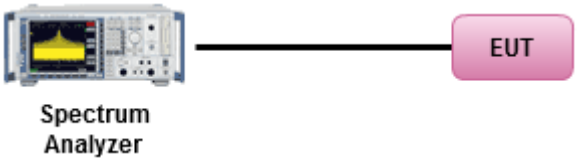
Refer a test equipment and calibration data table in this test report.

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.

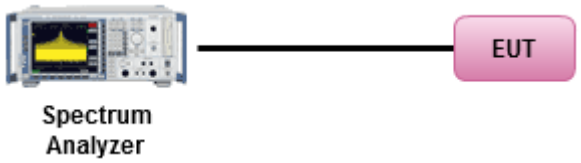
3.3.3 Test Procedures

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

For Straddle channel

RF Output Power (Spectrum Analyzer)



For Other channel

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.	

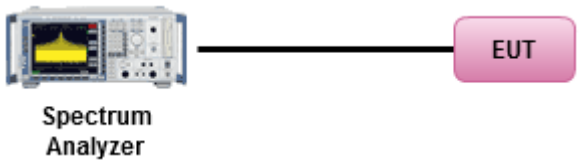
3.4.2 Measuring Instruments

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
 Spectrum Analyzer

3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

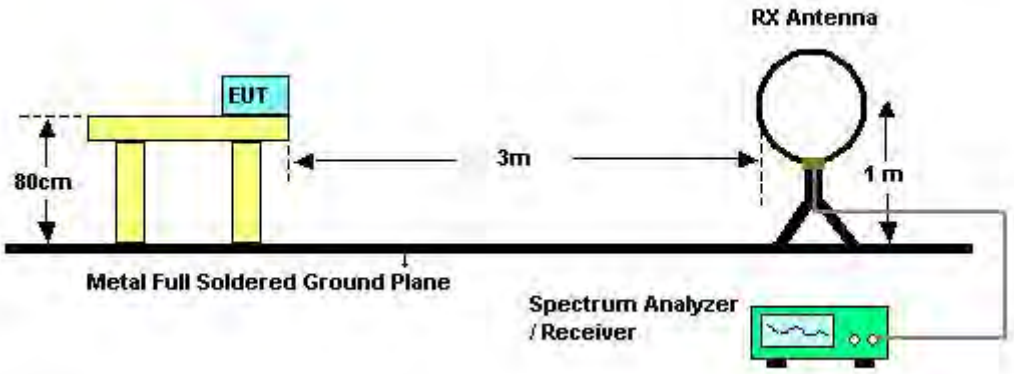
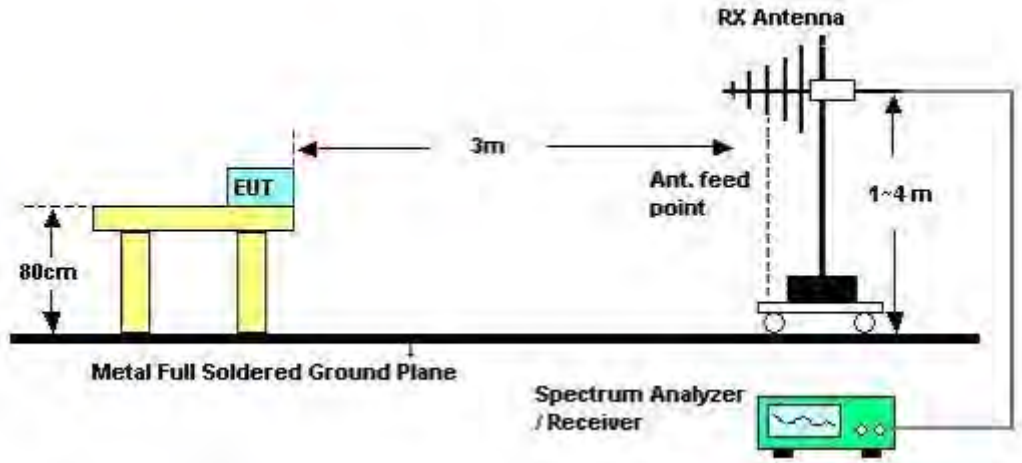
3.5.2 Measuring Instruments

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

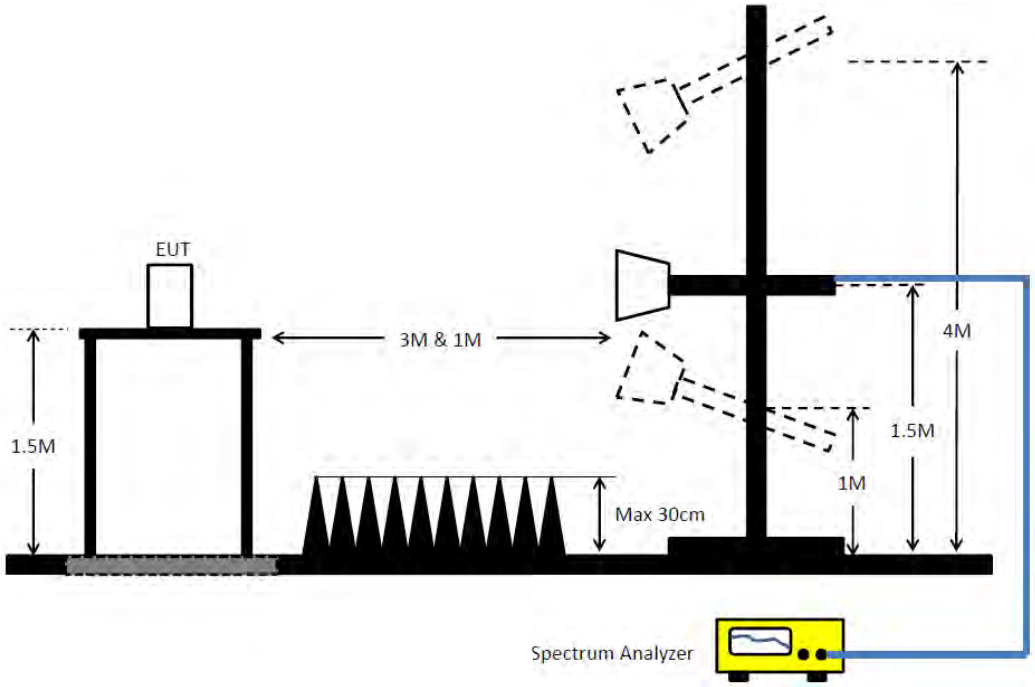
3.5.3 Test Procedures

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

3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

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

3.6.2 Measuring Instruments

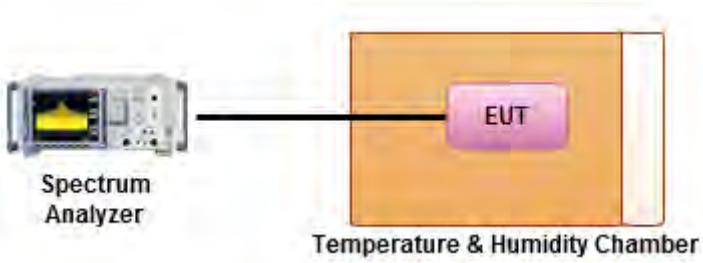
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

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

3.6.4 Test Setup

Frequency Stability



3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz~100MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 30, 2017	Aug. 29, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz~ 8GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-l0-7	N/A	N/A	N/A	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)

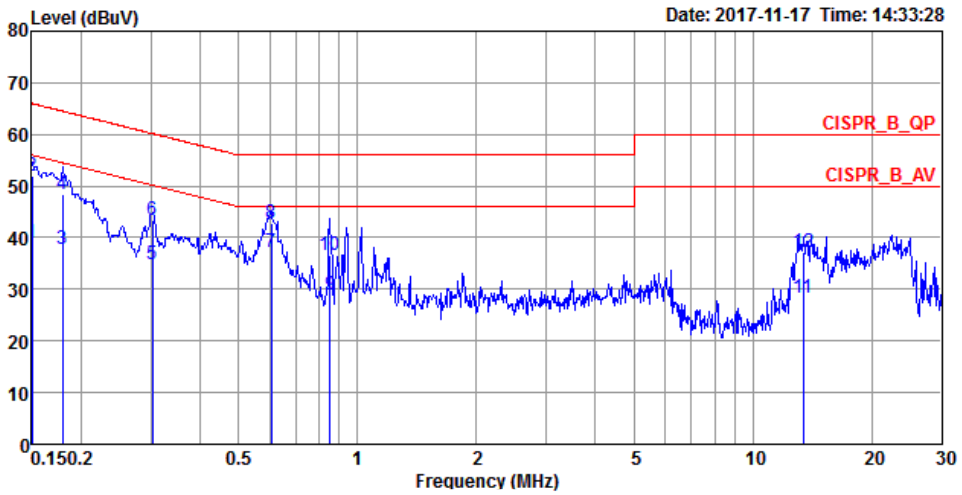
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

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

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

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

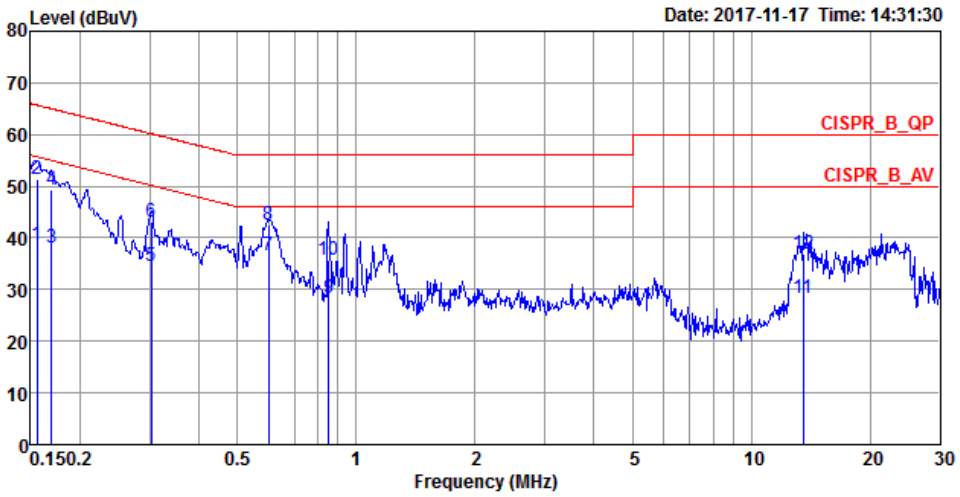
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	Normal Link - Station Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	39.11	-16.89	56.00	28.85	10.10	0.16	Average	NEUTRAL
2	0.1500	51.90	-14.10	66.00	41.64	10.10	0.16	QP	NEUTRAL
3	0.1796	37.87	-16.63	54.50	27.72	10.01	0.14	Average	NEUTRAL
4	0.1796	48.48	-16.02	64.50	38.33	10.01	0.14	QP	NEUTRAL
5	0.3035	34.72	-15.43	50.15	24.51	10.15	0.06	Average	NEUTRAL
6	0.3035	43.33	-16.82	60.15	33.12	10.15	0.06	QP	NEUTRAL
7	0.6043	37.13	-8.87	46.00	26.85	10.19	0.09	Average	NEUTRAL
8	0.6043	42.92	-13.08	56.00	32.64	10.19	0.09	QP	NEUTRAL
9	0.8528	28.96	-17.04	46.00	18.70	10.10	0.16	Average	NEUTRAL
10	0.8528	36.72	-19.28	56.00	26.46	10.10	0.16	QP	NEUTRAL
11	13.4080	28.33	-21.67	50.00	17.90	10.25	0.18	Average	NEUTRAL
12	13.4080	37.12	-22.88	60.00	26.69	10.25	0.18	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	2	**Power Phase**	Line
Operating Function	Normal Link - Station Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1557	38.77	-16.92	55.69	28.61	10.00	0.16	Average	LINE
2	0.1557	51.46	-14.23	65.69	41.30	10.00	0.16	QP	LINE
3	0.1694	38.17	-16.82	54.99	28.02	10.00	0.15	Average	LINE
4	0.1694	49.31	-15.68	64.99	39.16	10.00	0.15	QP	LINE
5	0.3035	34.51	-15.64	50.15	24.52	9.93	0.06	Average	LINE
6	0.3035	43.15	-17.00	60.15	33.16	9.93	0.06	QP	LINE
7	0.6011	36.75	-9.25	46.00	26.71	9.95	0.09	Average	LINE
8	0.6011	42.63	-13.37	56.00	32.59	9.95	0.09	QP	LINE
9	0.8528	28.44	-17.56	46.00	18.32	9.96	0.16	Average	LINE
10	0.8528	35.82	-20.18	56.00	25.70	9.96	0.16	QP	LINE
11	13.5509	28.40	-21.60	50.00	18.02	10.20	0.18	Average	LINE
12	13.5509	36.99	-23.01	60.00	26.61	10.20	0.18	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 R3 B1 / Master
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	44.75M	24.813M	24M8D1D	25.4M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	49.025M	29.185M	29M2D1D	26.375M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	94.1M	39.28M	39M3D1D	45.75M	36.082M

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

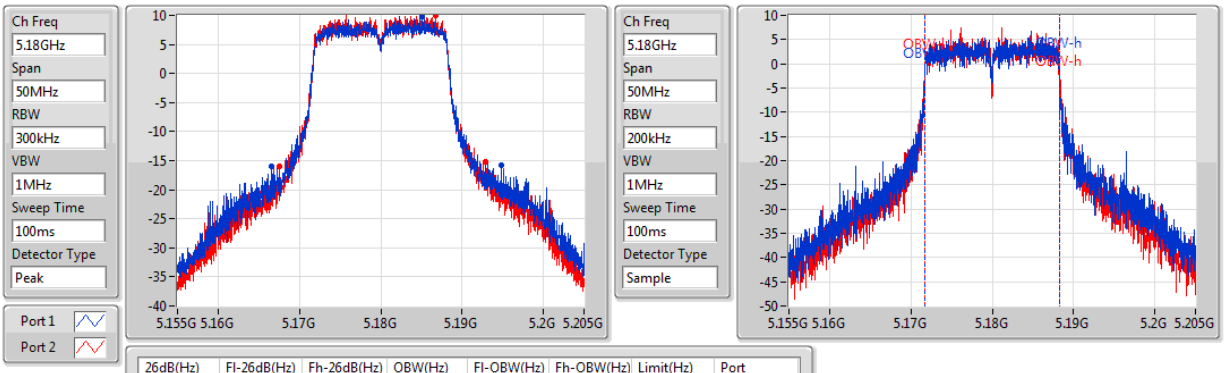
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	28.25M	16.542M	25.4M	16.517M
5200MHz	Pass	Inf	44.75M	24.813M	43.575M	24.688M
5240MHz	Pass	Inf	42.75M	19.49M	42.5M	19.34M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	26.375M	17.691M	32.15M	17.716M
5200MHz	Pass	Inf	49.025M	29.185M	48.25M	27.661M
5240MHz	Pass	Inf	44.85M	19.715M	44.575M	19.165M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	48.5M	36.282M	45.75M	36.082M
5230MHz	Pass	Inf	94.1M	39.28M	89.95M	37.481M

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

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

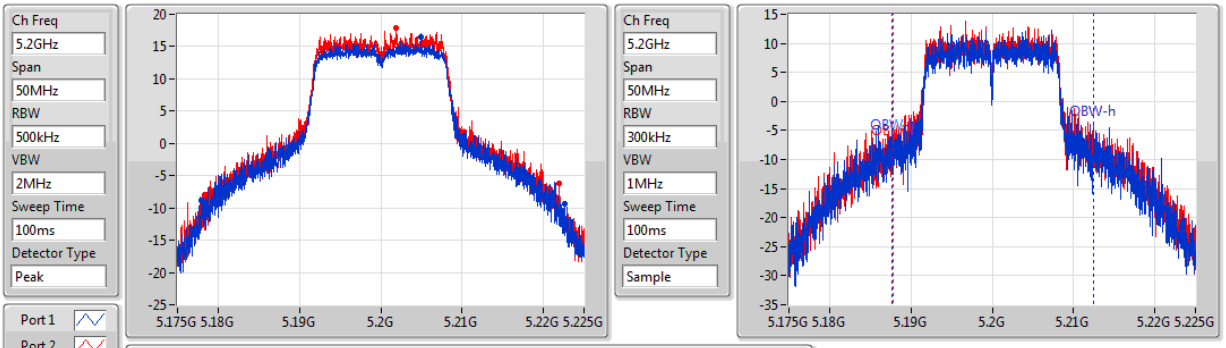
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.25M	5.166525G	5.194775G	16.542M	5.171729G	5.188271G	Inf	1
25.4M	5.1675G	5.1929G	16.517M	5.171754G	5.188271G	Inf	2

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

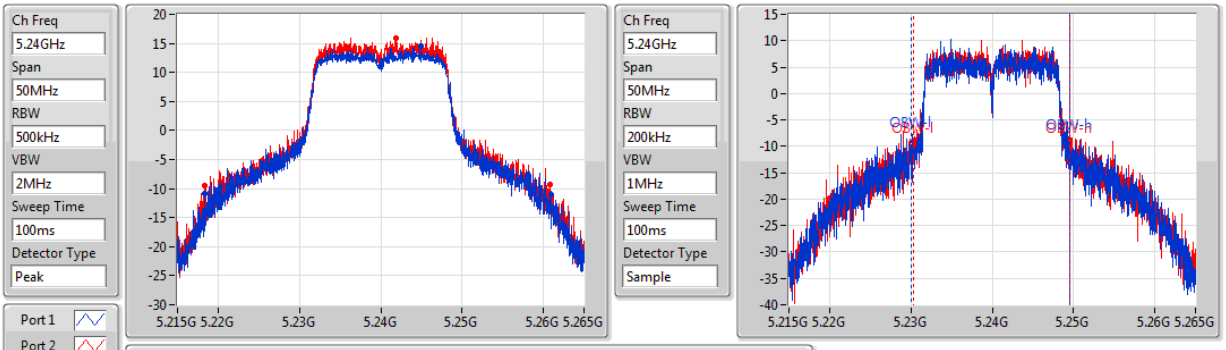
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.75M	5.1779G	5.22265G	24.813M	5.187681G	5.212494G	Inf	1
43.575M	5.1783G	5.221875G	24.688M	5.187831G	5.212519G	Inf	2

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

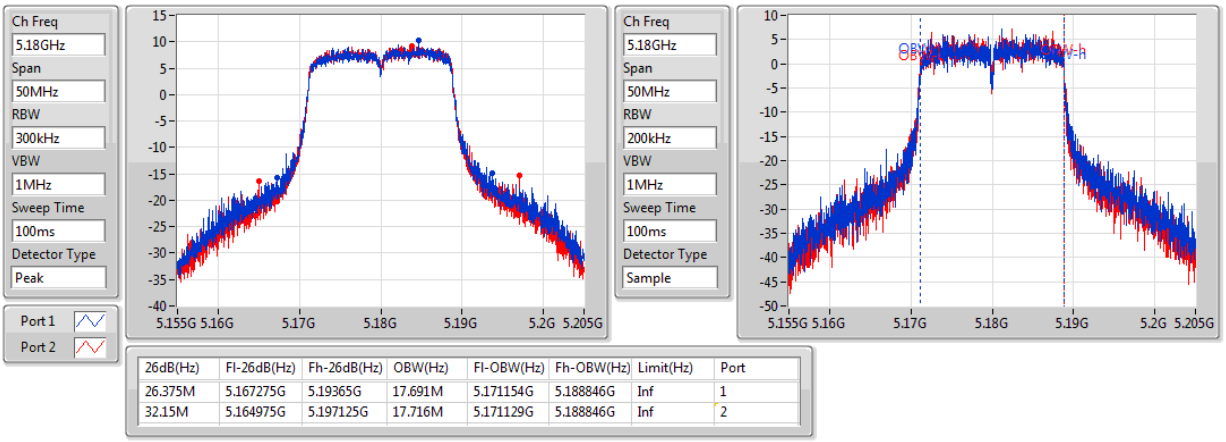
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.75M	5.218275G	5.261025G	19.49M	5.230055G	5.249545G	Inf	1
42.5M	5.218275G	5.260775G	19.34M	5.230255G	5.249595G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

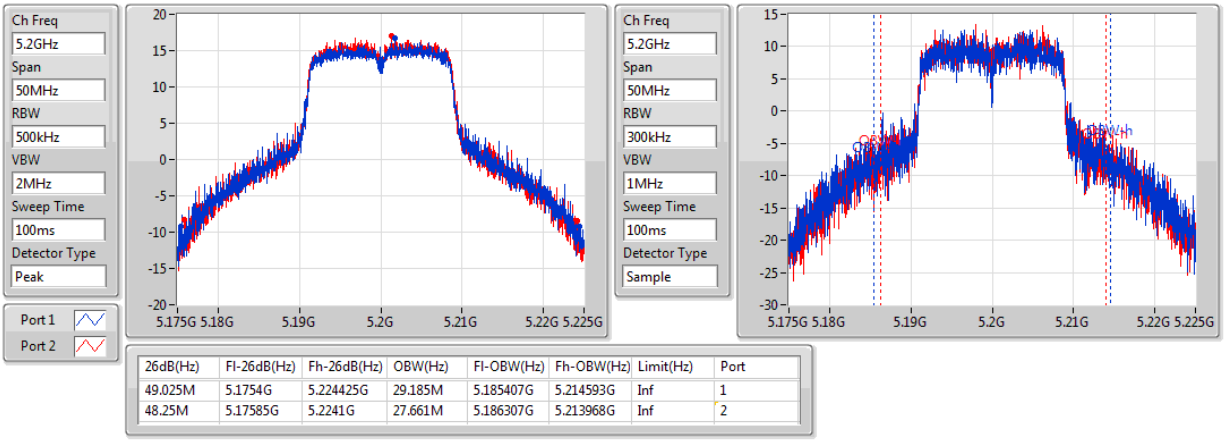
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.375M	5.167275G	5.19365G	17.691M	5.171154G	5.188846G	Inf	1
32.15M	5.164975G	5.197125G	17.716M	5.171129G	5.188846G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

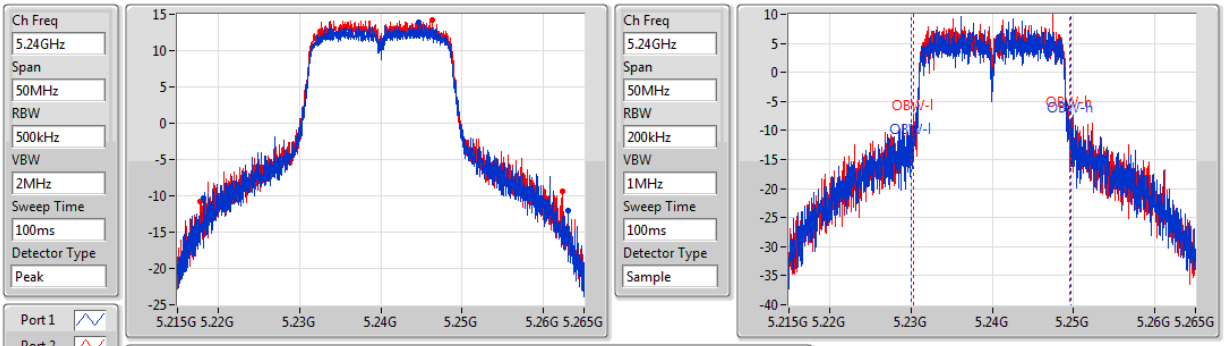
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.025M	5.1754G	5.224425G	29.185M	5.185407G	5.214593G	Inf	1
48.25M	5.17585G	5.2241G	27.661M	5.186307G	5.213968G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

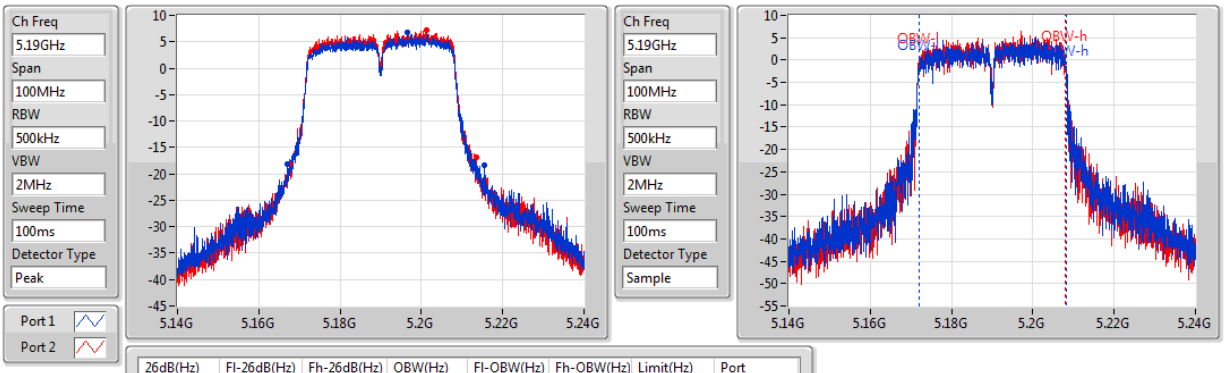
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.85M	5.218175G	5.263025G	19.715M	5.23003G	5.249745G	Inf	1
44.575M	5.2178G	5.262375G	19.165M	5.23038G	5.249545G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

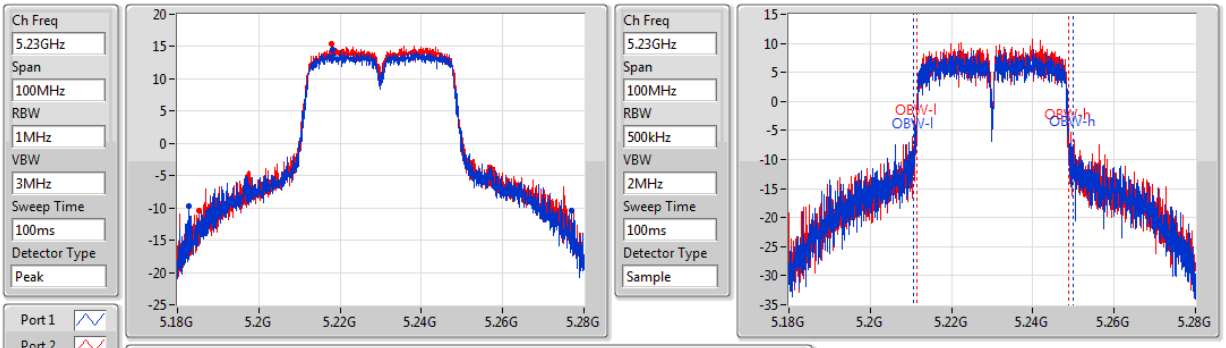
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.5M	5.1671G	5.2156G	36.282M	5.171909G	5.208191G	Inf	1
45.75M	5.1677G	5.21345G	36.082M	5.171959G	5.208041G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
94.1M	5.1829G	5.277G	39.28M	5.21051G	5.24979G	Inf	1
89.95M	5.1854G	5.27535G	37.481M	5.211409G	5.248891G	Inf	2

For R3 B1 / Slave without radar detection
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	43.15M	18.941M	18M9D1D	25.4M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	45.625M	19.915M	19M9D1D	26.375M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	94.1M	39.28M	39M3D1D	45.75M	36.082M

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

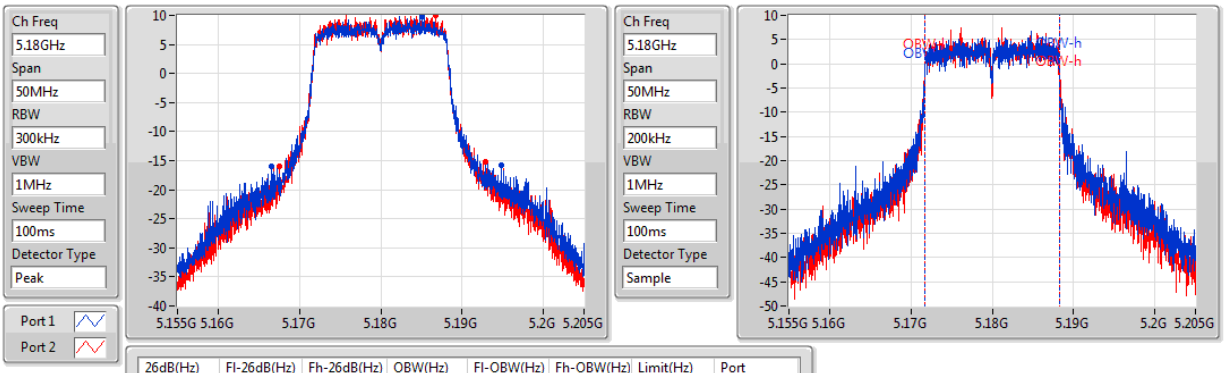
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	28.25M	16.542M	25.4M	16.517M
5200MHz	Pass	Inf	41.775M	17.116M	39.55M	16.967M
5240MHz	Pass	Inf	43.15M	18.941M	42.475M	18.291M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	26.375M	17.691M	32.15M	17.716M
5200MHz	Pass	Inf	45.625M	19.915M	45.375M	19.69M
5240MHz	Pass	Inf	44.85M	19.715M	44.575M	19.165M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	48.5M	36.282M	45.75M	36.082M
5230MHz	Pass	Inf	94.1M	39.28M	89.95M	37.481M

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

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

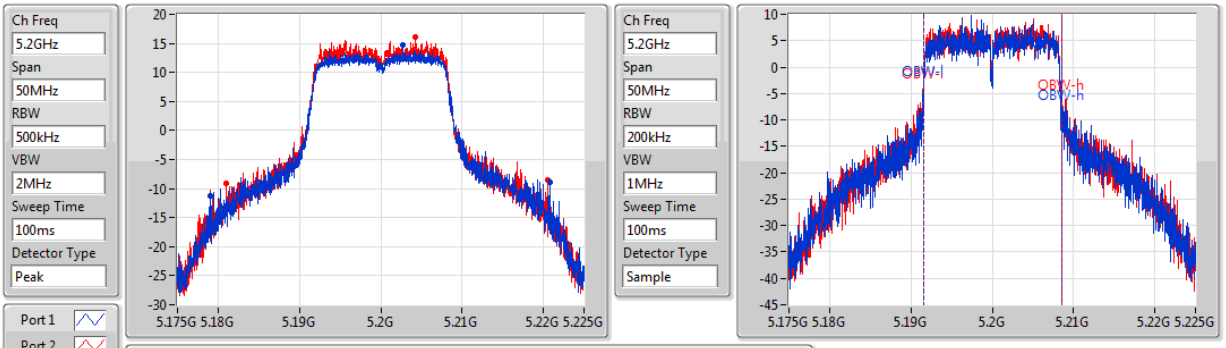
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.25M	5.166525G	5.194775G	16.542M	5.171729G	5.188271G	Inf	1
25.4M	5.1675G	5.1929G	16.517M	5.171754G	5.188271G	Inf	2

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

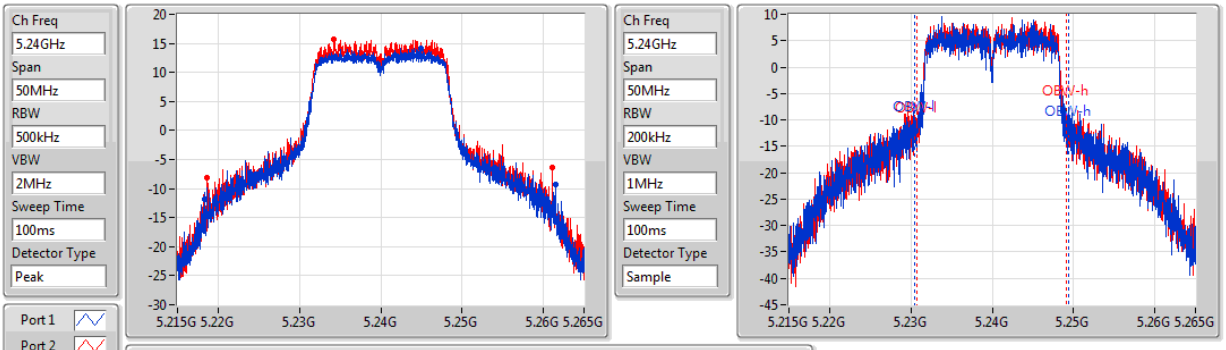
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.775M	5.179G	5.220775G	17.116M	5.191504G	5.208621G	Inf	1
39.55M	5.180975G	5.220525G	16.967M	5.191579G	5.208546G	Inf	2

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

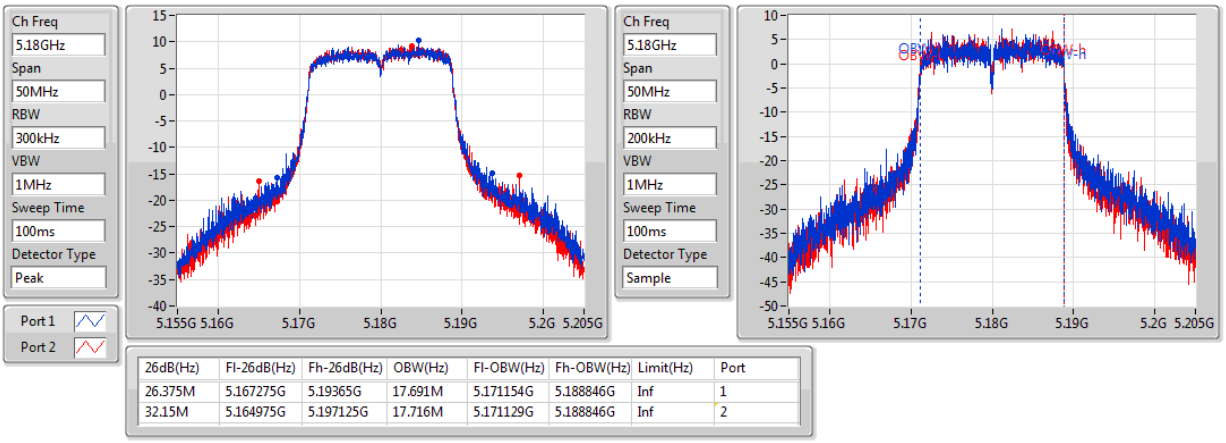
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.15M	5.2183G	5.26145G	18.941M	5.230505G	5.249445G	Inf	1
42.475M	5.218675G	5.26115G	18.291M	5.23078G	5.24907G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

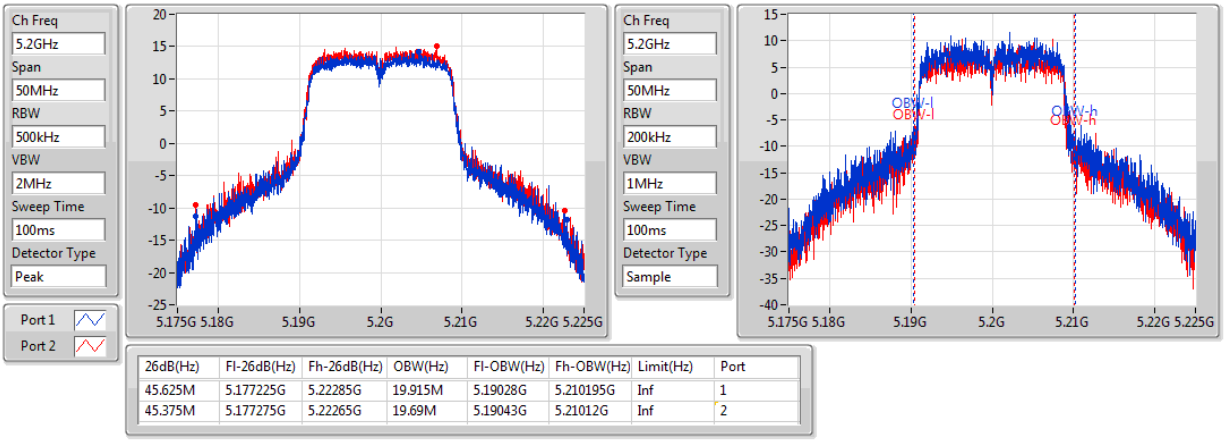
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.375M	5.167275G	5.19365G	17.691M	5.171154G	5.188846G	Inf	1
32.15M	5.164975G	5.197125G	17.716M	5.171129G	5.188846G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

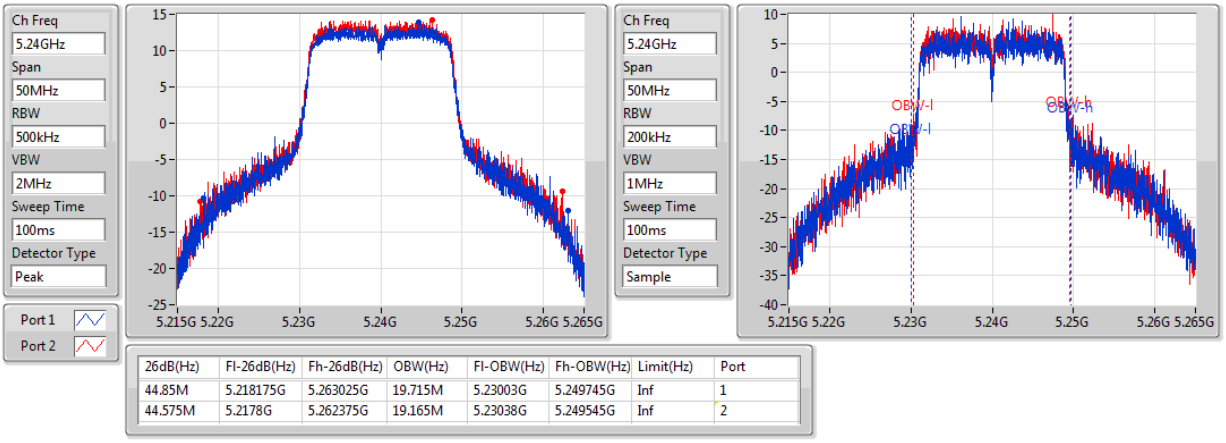
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.625M	5.177225G	5.22285G	19.915M	5.19028G	5.210195G	Inf	1
45.375M	5.177275G	5.22265G	19.69M	5.19043G	5.21012G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

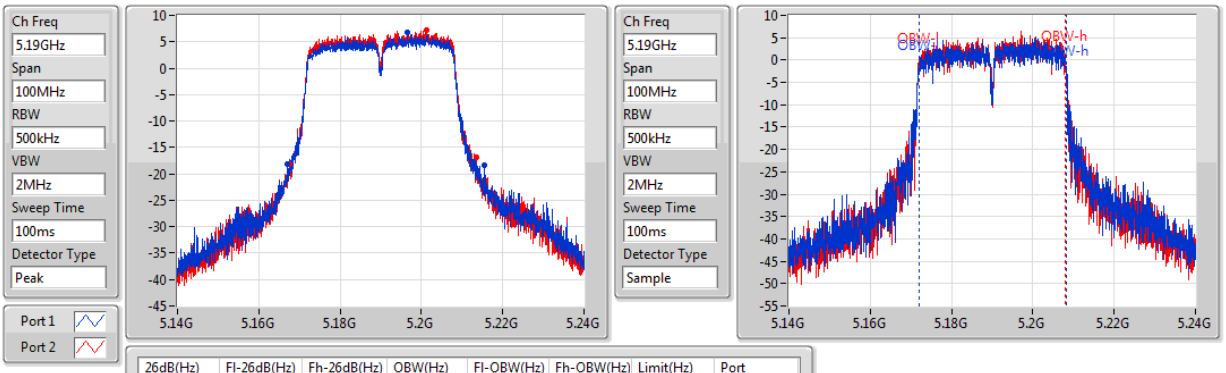
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.85M	5.218175G	5.263025G	19.715M	5.23003G	5.249745G	Inf	1
44.575M	5.2178G	5.262375G	19.165M	5.23038G	5.249545G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX **EBW**

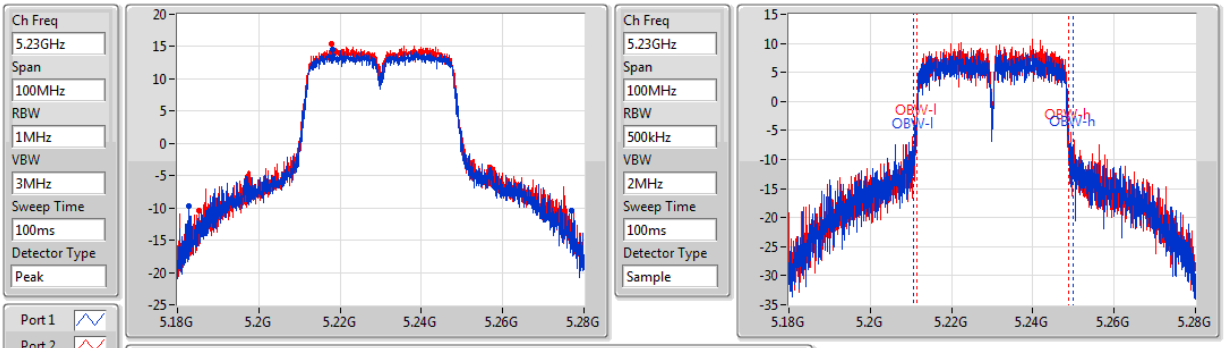
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.5M	5.1671G	5.2156G	36.282M	5.171909G	5.208191G	Inf	1
45.75M	5.1677G	5.21345G	36.082M	5.171959G	5.208041G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX **EBW**

5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
94.1M	5.1829G	5.277G	39.28M	5.21051G	5.24979G	Inf	1
89.95M	5.1854G	5.27535G	37.481M	5.211409G	5.248891G	Inf	2

For R3 B2 / Master and Slave without radar detection

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	43.275M	20.99M	21M0D1D	41.25M	17.166M
802.11n HT20_Nss1,(MCS0)_2TX	47.6M	24.388M	24M4D1D	41.5M	18.116M
802.11n HT40_Nss1,(MCS0)_2TX	97.25M	44.428M	44M4D1D	48.3M	36.232M

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

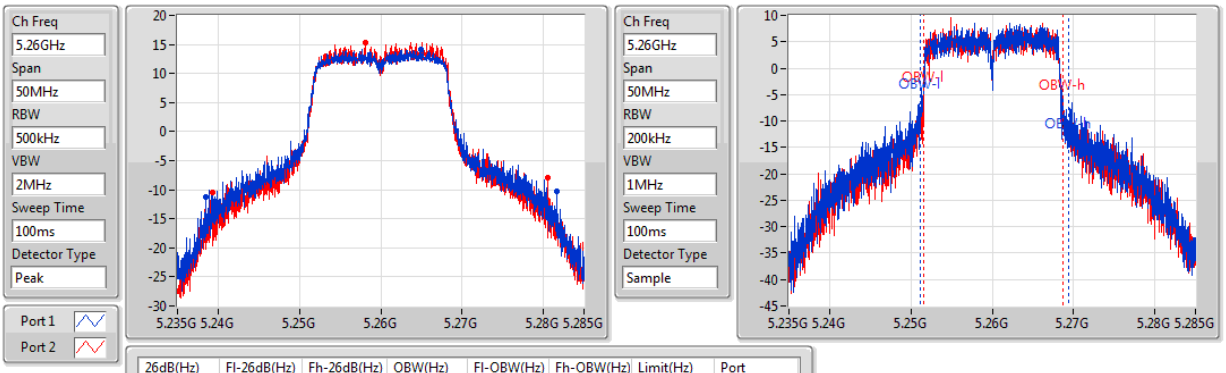
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	43.275M	18.241M	41.25M	17.166M
5300MHz	Pass	Inf	42.85M	20.99M	43.125M	20.815M
5320MHz	Pass	Inf	43.175M	19.565M	41.525M	19.64M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	45.7M	19.865M	41.5M	18.116M
5300MHz	Pass	Inf	45.675M	20.49M	42.8M	19.765M
5320MHz	Pass	Inf	45.6M	22.414M	47.6M	24.388M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	97.25M	44.428M	93.55M	42.279M
5310MHz	Pass	Inf	56.15M	36.232M	48.3M	36.232M

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

802.11a_Nss1,(6Mbps)_2TX EBW

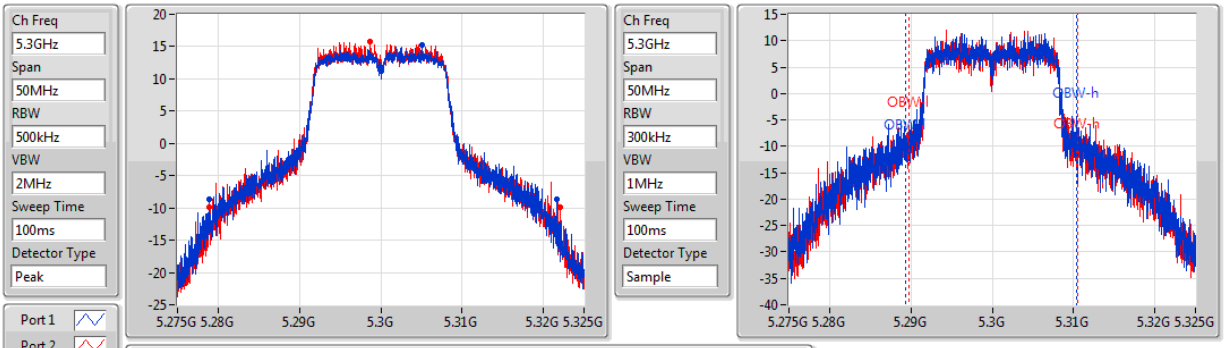
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.275M	5.238425G	5.2817G	18.241M	5.251104G	5.269345G	Inf	1
41.25M	5.23925G	5.2805G	17.166M	5.251579G	5.268746G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

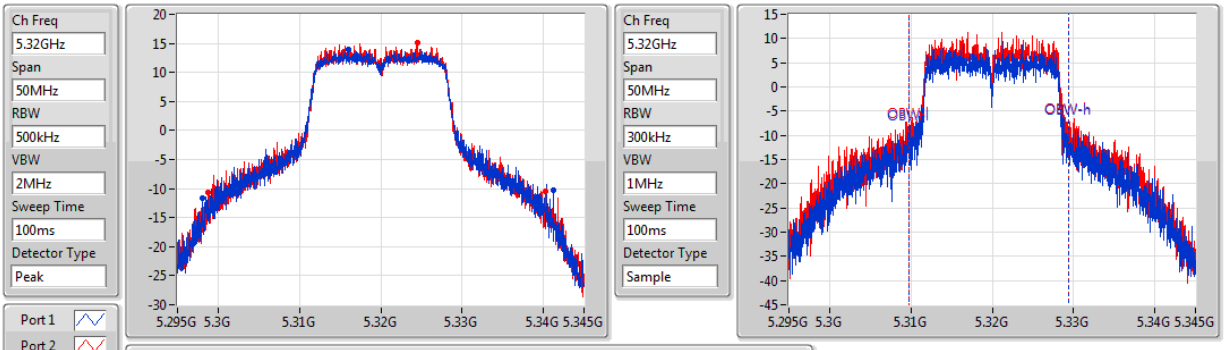
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.85M	5.27885G	5.3217G	20.99M	5.289405G	5.310395G	Inf	1
43.125M	5.27895G	5.322075G	20.815M	5.289705G	5.31052G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

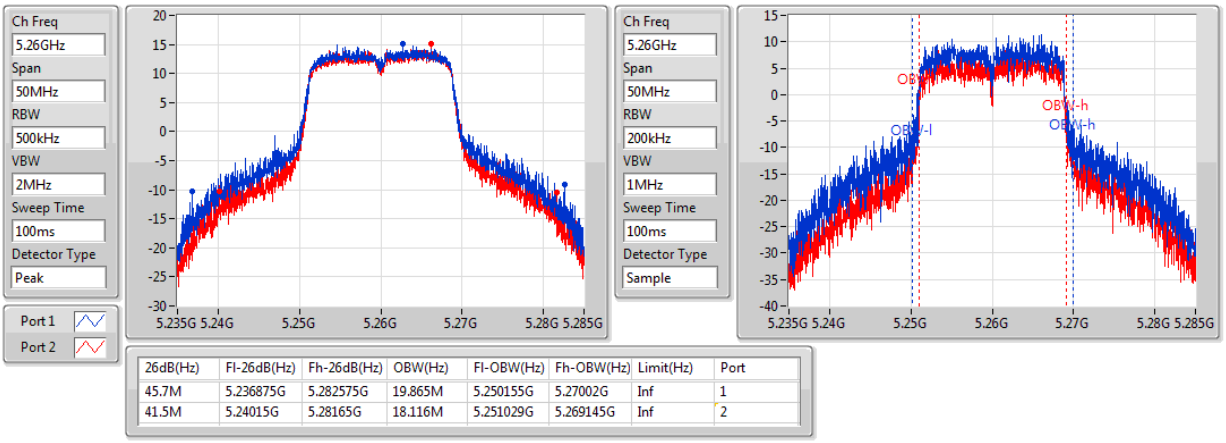
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.175M	5.298075G	5.34125G	19.565M	5.30983G	5.329395G	Inf	1
41.525M	5.2988G	5.340325G	19.64M	5.309805G	5.329445G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

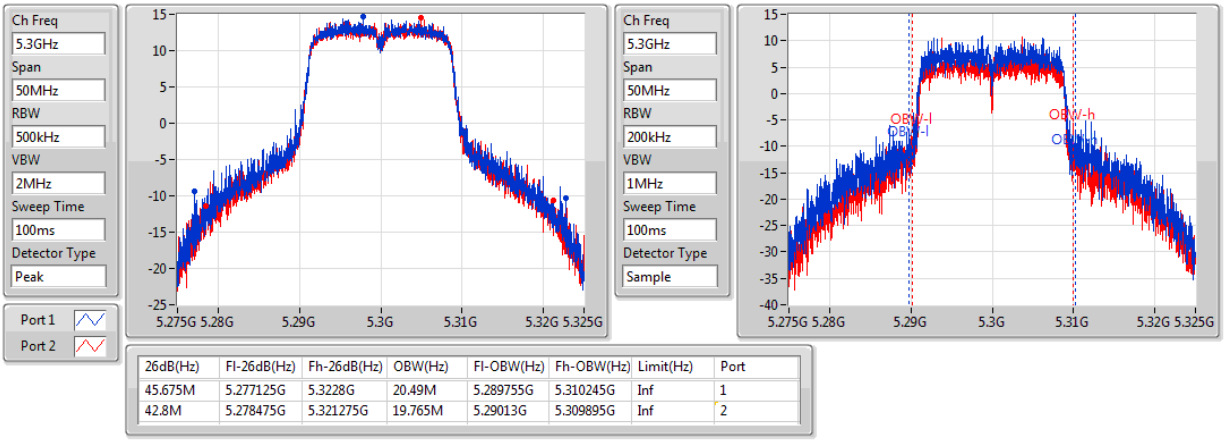
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.7M	5.236875G	5.282575G	19.865M	5.250155G	5.27002G	Inf	1
41.5M	5.24015G	5.28165G	18.116M	5.251029G	5.269145G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

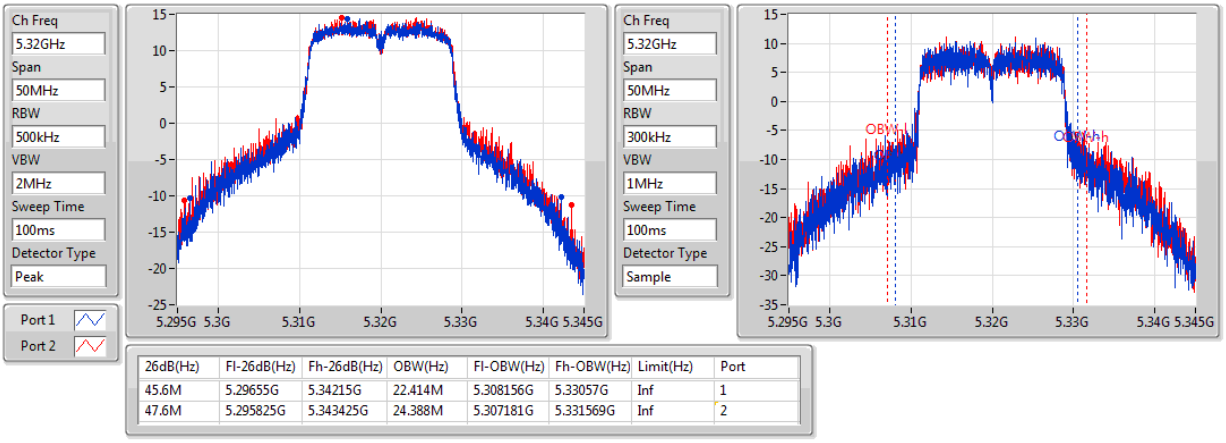
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.675M	5.277125G	5.3228G	20.49M	5.289755G	5.310245G	Inf	1
42.8M	5.278475G	5.321275G	19.765M	5.29013G	5.309895G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

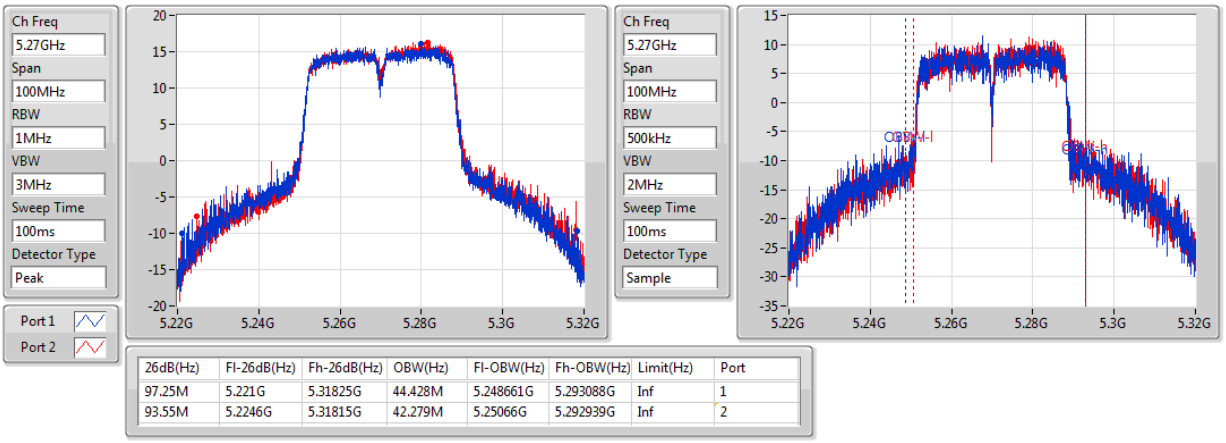
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.6M	5.29655G	5.34215G	22.414M	5.308156G	5.33057G	Inf	1
47.6M	5.295825G	5.343425G	24.388M	5.307181G	5.331569G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

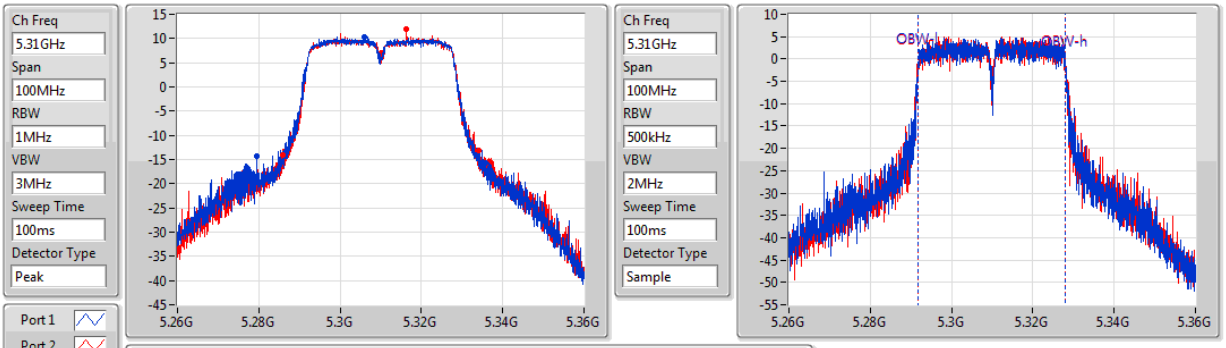
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
97.25M	5.221G	5.31825G	44.428M	5.248661G	5.293088G	Inf	1
93.55M	5.2246G	5.31815G	42.279M	5.25066G	5.292939G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.15M	5.2796G	5.33575G	36.232M	5.291859G	5.328091G	Inf	1
48.3M	5.2858G	5.3341G	36.232M	5.291859G	5.328091G	Inf	2

For R2 B3 / Master and Slave without radar detection

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.05M	16.442M	16M4D1D	14.4M	13.193M
802.11ac VHT20_Nss1,(MCS0)_2TX	19.975M	17.666M	17M7D1D	14.955M	13.808M
802.11ac VHT40_Nss1,(MCS0)_2TX	63.15M	36.232M	36M2D1D	34.51M	32.779M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.4M	75.762M	75M8D1D	76.2M	72.564M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.12M	3.338M	3M34D1D	3.1M	3.298M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.8M	3.858M	3M86D1D	3.7M	3.818M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.12M	3.318M	3M32D1D	3.1M	3.278M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.18M	3.698M	3M70D1D	3.1M	3.658M

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

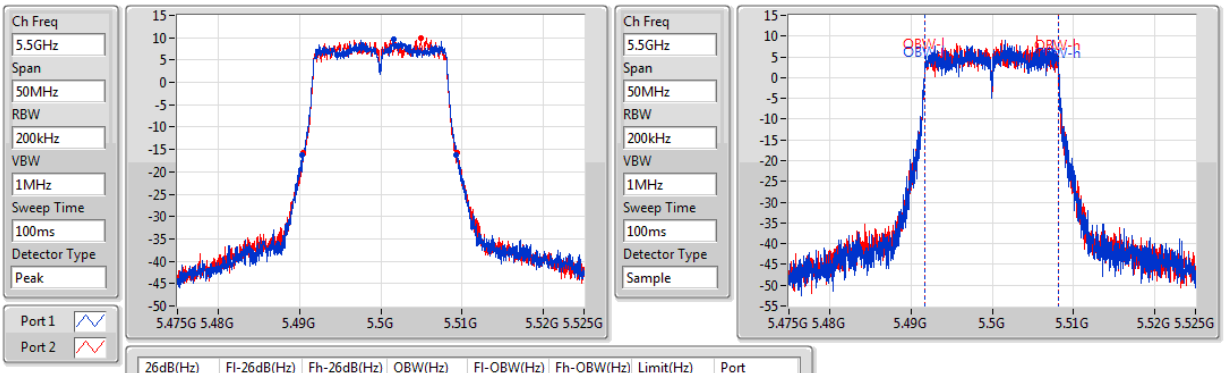
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	18.95M	16.442M	18.85M	16.392M
5580MHz	Pass	Inf	19.05M	16.442M	18.7M	16.367M
5700MHz	Pass	Inf	18.925M	16.367M	18.725M	16.417M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.535M	13.223M	14.4M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.298M	3.12M	3.338M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	19.825M	17.666M	19.825M	17.566M
5580MHz	Pass	Inf	19.975M	17.641M	19.75M	17.566M
5700MHz	Pass	Inf	19.775M	17.541M	19.875M	17.566M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.955M	13.808M	15.03M	13.823M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	3.818M	3.8M	3.858M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	Inf	39.1M	35.782M	39.45M	35.982M
5550MHz	Pass	Inf	58M	35.932M	63.15M	36.232M
5670MHz	Pass	Inf	39.25M	35.982M	39.45M	36.032M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.58M	32.849M	34.51M	32.779M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.318M	3.1M	3.278M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	Inf	83.1M	75.562M	83.2M	75.662M
5610MHz	Pass	Inf	83.4M	75.762M	83M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.575M	72.639M	76.2M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.698M	3.1M	3.658M

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

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

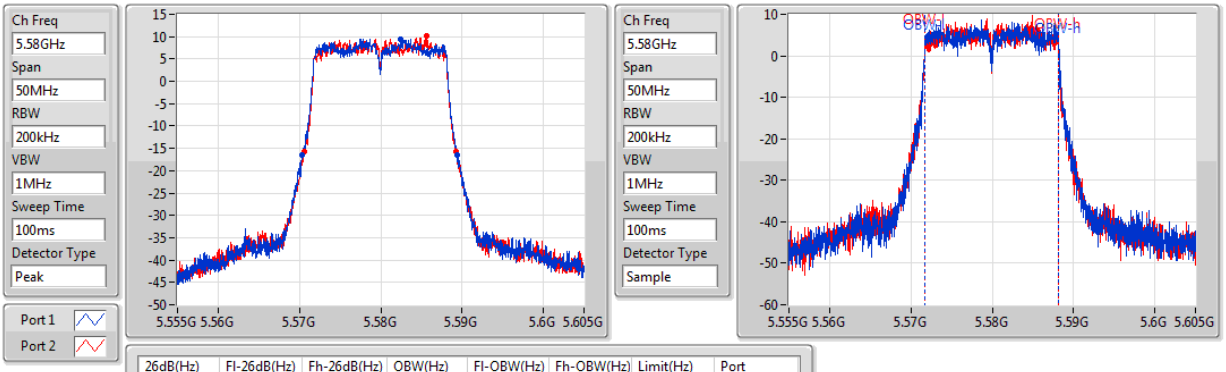
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	5.490375G	5.509325G	16.442M	5.491704G	5.508146G	Inf	1
18.85M	5.490525G	5.509375G	16.392M	5.491729G	5.508121G	Inf	2

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

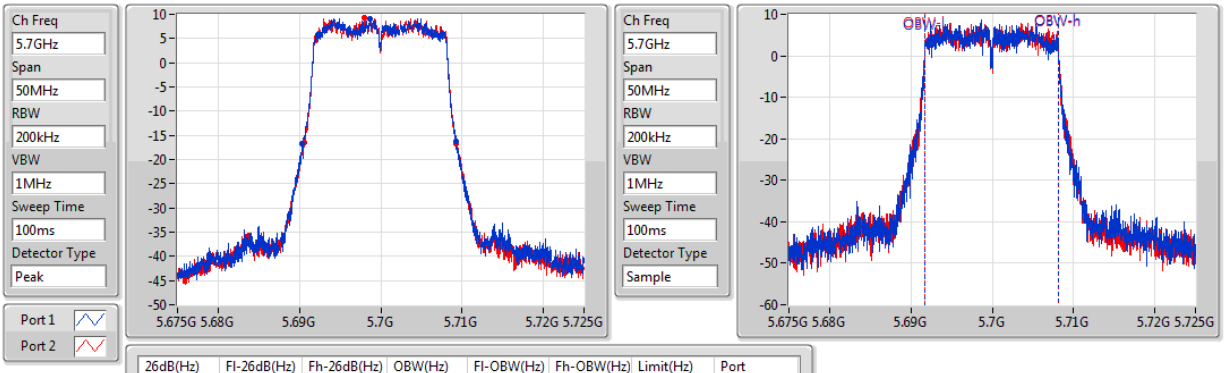
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.570325G	5.589375G	16.442M	5.571729G	5.588171G	Inf	1
18.7M	5.570575G	5.589275G	16.367M	5.571754G	5.588121G	Inf	2

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

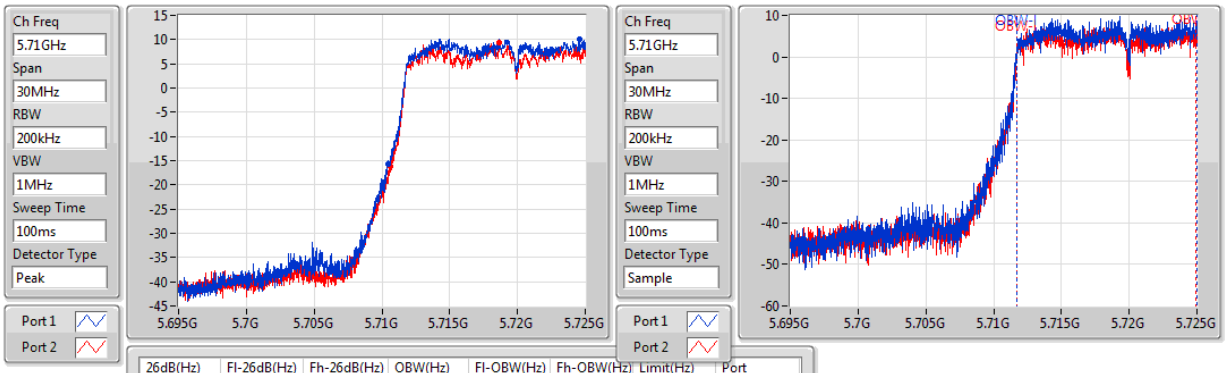
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	5.69035G	5.709275G	16.367M	5.691754G	5.708121G	Inf	1
18.725M	5.69055G	5.709275G	16.417M	5.691729G	5.708146G	Inf	2

802.11a_Nss1,(6Mbps)_2TX
EBW

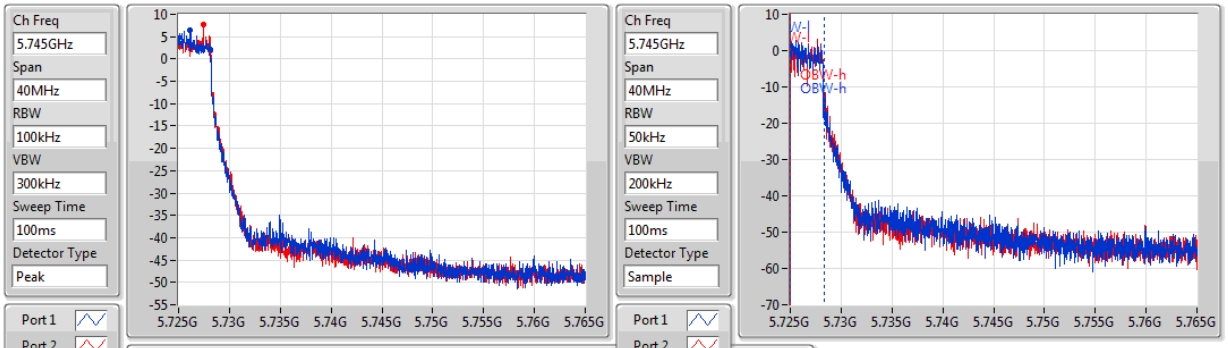
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.535M	5.710465G	5.725G	13.223M	5.711739G	5.724963G	Inf	1
14.4M	5.7106G	5.725G	13.193M	5.711739G	5.724933G	Inf	2

802.11a_Nss1,(6Mbps)_2TX
EBW

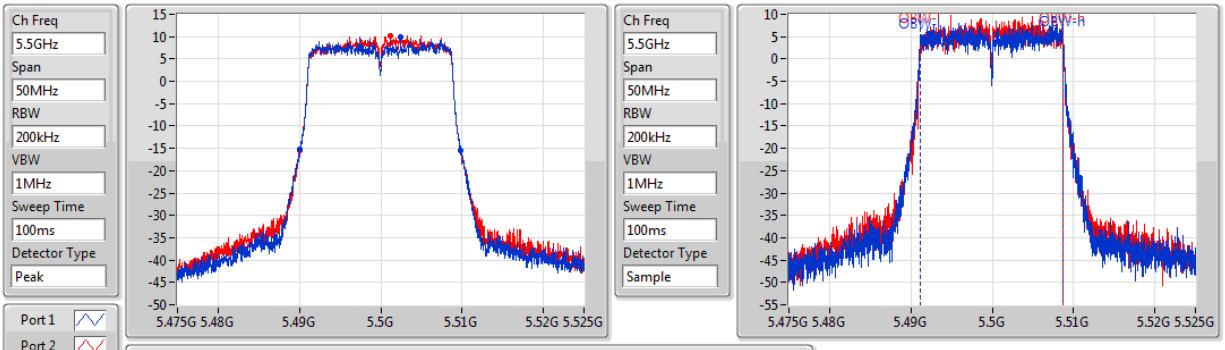
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	3.298M	5.72501G	5.728308G	500k	1
3.12M	5.725G	5.72812G	3.338M	5.72503G	5.728368G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW

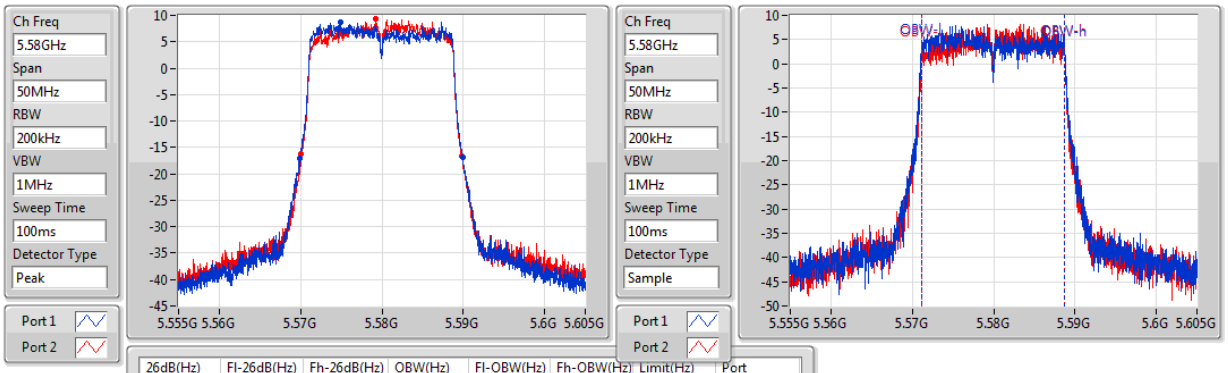
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.825M	5.490025G	5.50985G	17.666M	5.491104G	5.508771G	Inf	1
19.825M	5.490025G	5.50985G	17.566M	5.491154G	5.508721G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

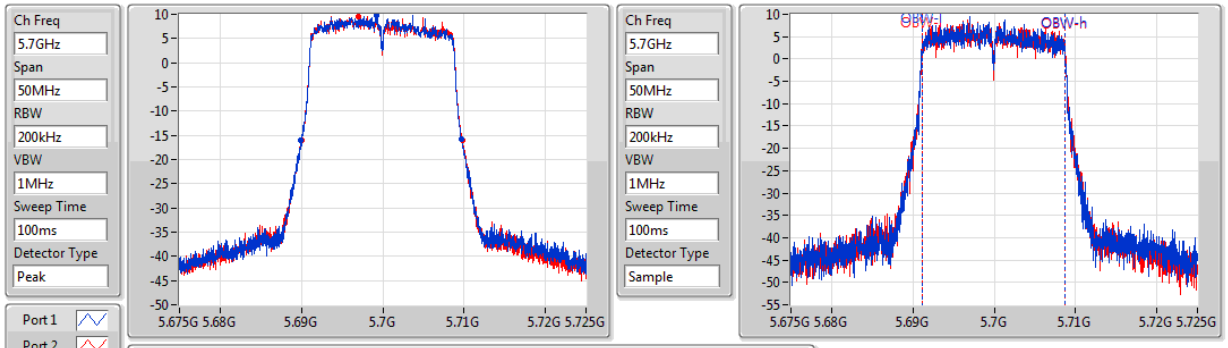
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.975M	5.569925G	5.5899G	17.641M	5.571104G	5.588746G	Inf	1
19.75M	5.570075G	5.589825G	17.566M	5.571154G	5.588721G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

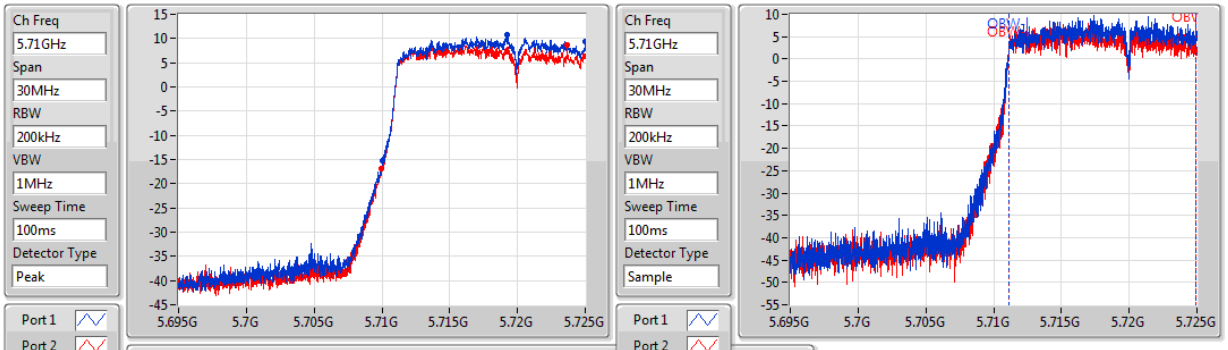
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.775M	5.68995G	5.709725G	17.541M	5.691129G	5.708671G	Inf	1
19.875M	5.689975G	5.70985G	17.566M	5.691129G	5.708696G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

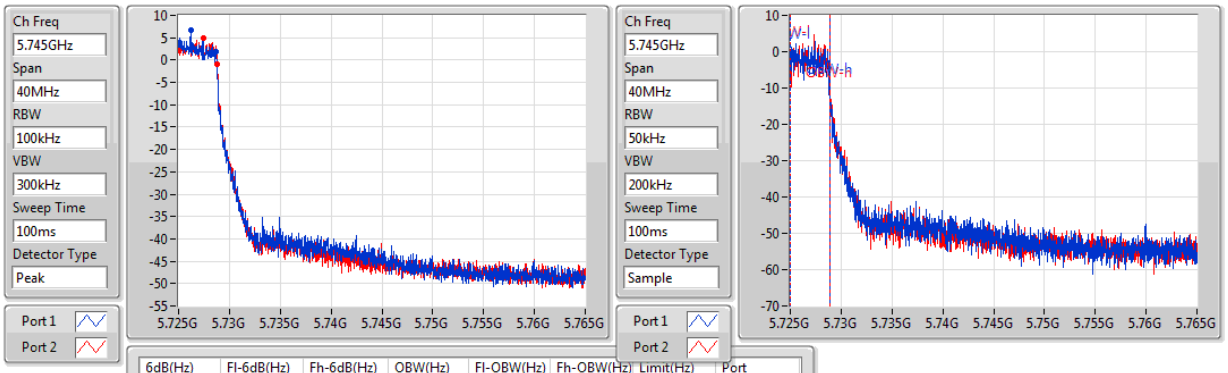


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.955M	5.710045G	5.725G	13.808M	5.711124G	5.724933G	Inf	1
15.03M	5.70997G	5.725G	13.823M	5.711094G	5.724918G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

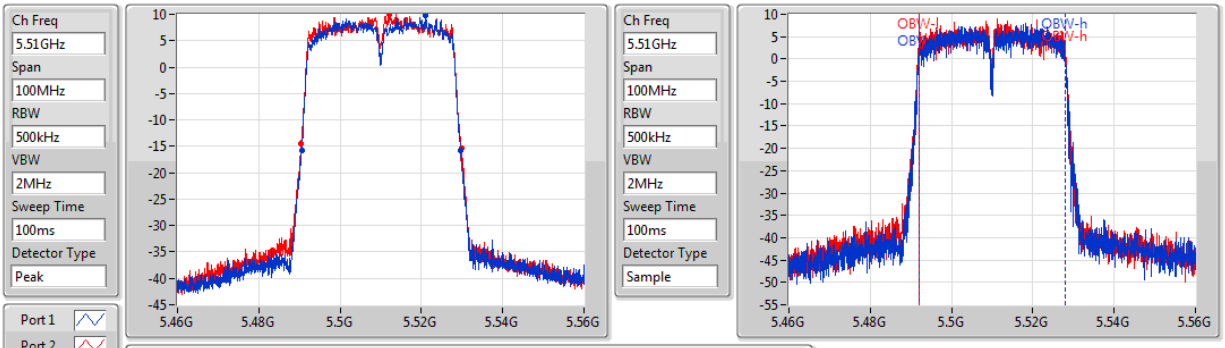


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.7M	5.725G	5.7287G	3.818M	5.72503G	5.728848G	500k	1
3.8M	5.725G	5.7288G	3.858M	5.72501G	5.728868G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

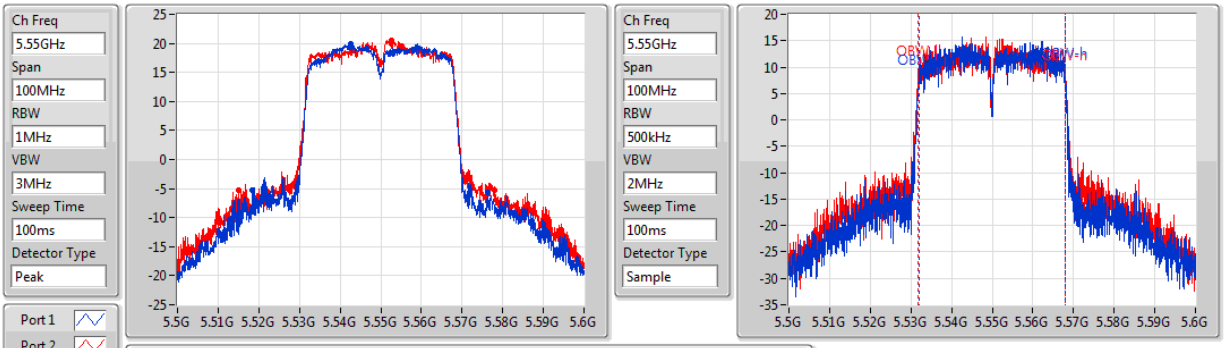


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.1M	5.49055G	5.52965G	35.782M	5.492059G	5.527841G	Inf	1
39.45M	5.4904G	5.52985G	35.982M	5.491909G	5.527891G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

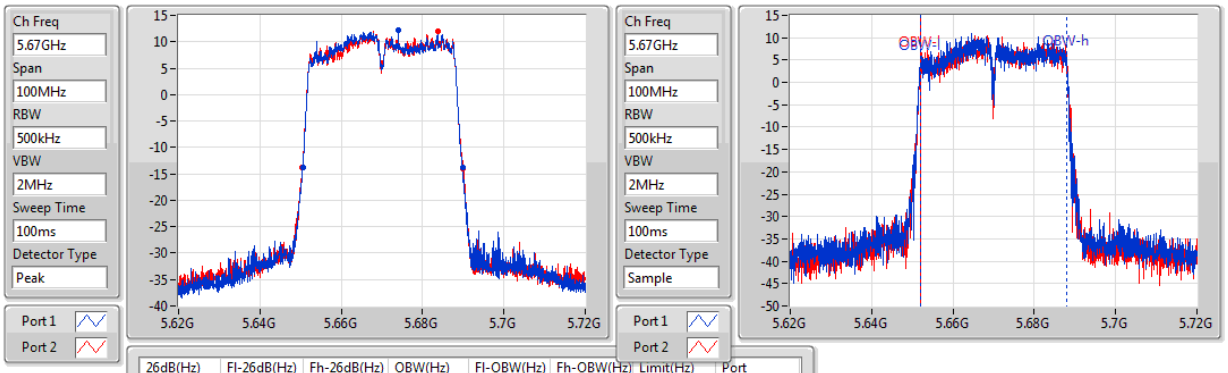
5550MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
58M	5.51835G	5.57635G	35.932M	5.531959G	5.567891G	Inf	1
63.15M	5.51495G	5.5781G	36.232M	5.531809G	5.568041G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

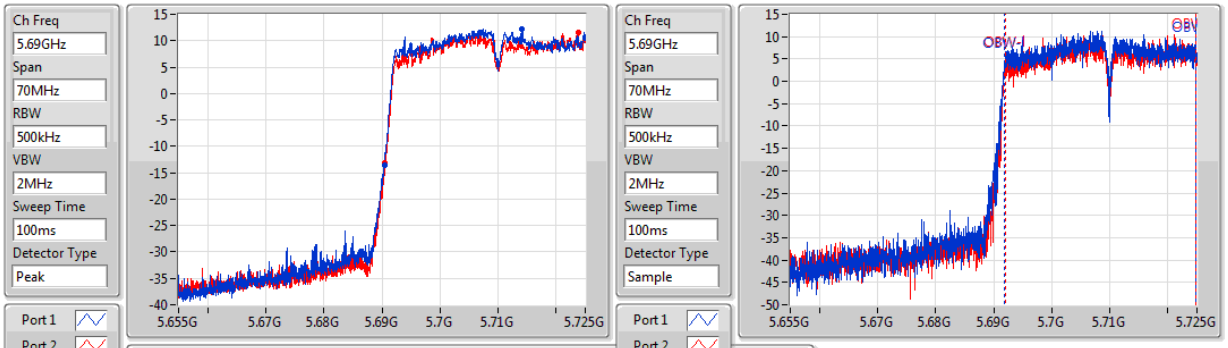
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.25M	5.65055G	5.6898G	35.982M	5.652009G	5.687991G	Inf	1
39.45M	5.6504G	5.68985G	36.032M	5.651959G	5.687991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

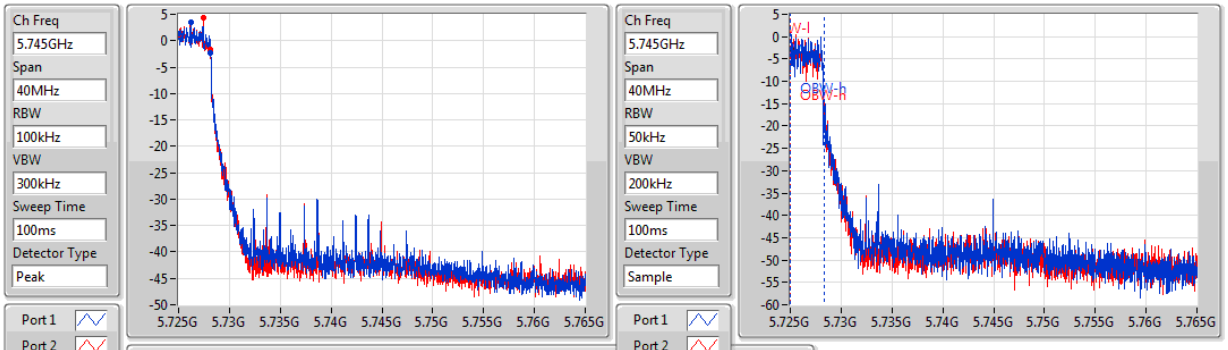
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.58M	5.69042G	5.725G	32.849M	5.691924G	5.724773G	Inf	1
34.51M	5.69049G	5.725G	32.779M	5.691994G	5.724773G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX **EBW**

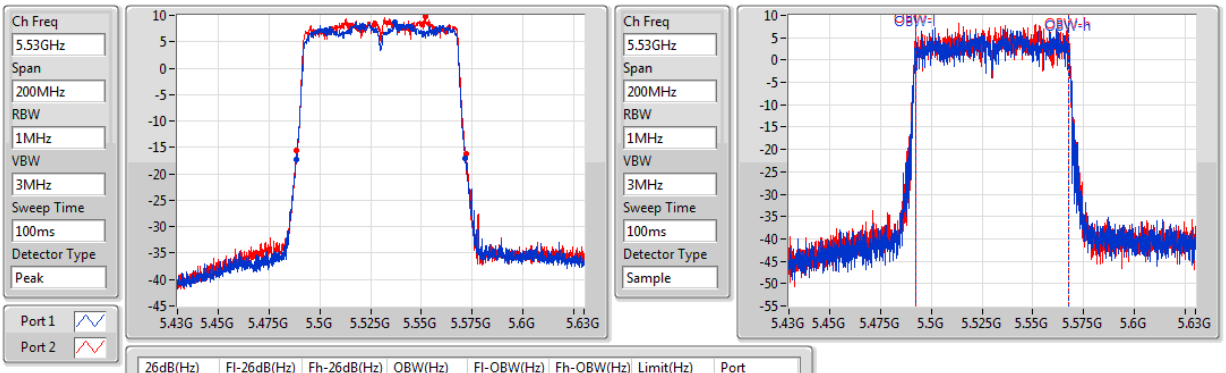
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.318M	5.72503G	5.728348G	500k	1
3.1M	5.725G	5.7281G	3.278M	5.72501G	5.728288G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

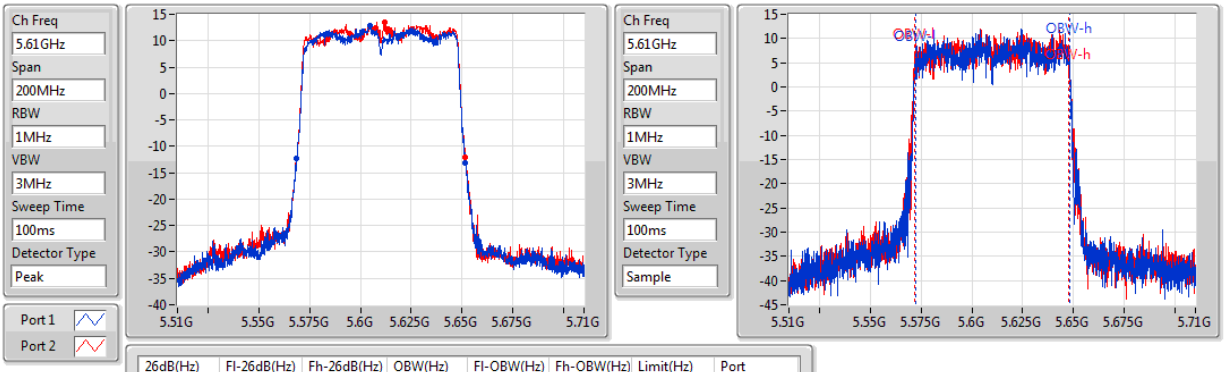
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.1M	5.4885G	5.5716G	75.562M	5.492219G	5.567781G	Inf	1
83.2M	5.4887G	5.5719G	75.662M	5.492119G	5.567781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

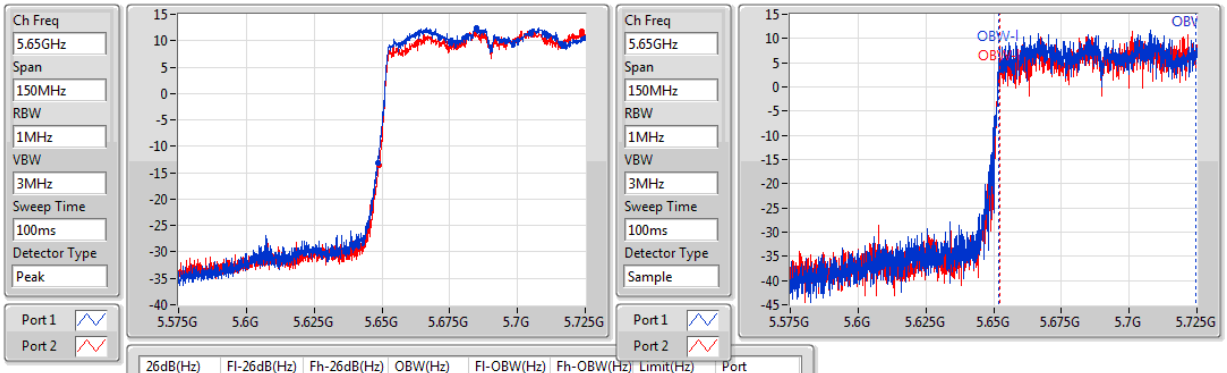
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.4M	5.5683G	5.6517G	75.762M	5.572219G	5.647981G	Inf	1
83M	5.5687G	5.6517G	75.762M	5.572019G	5.647781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

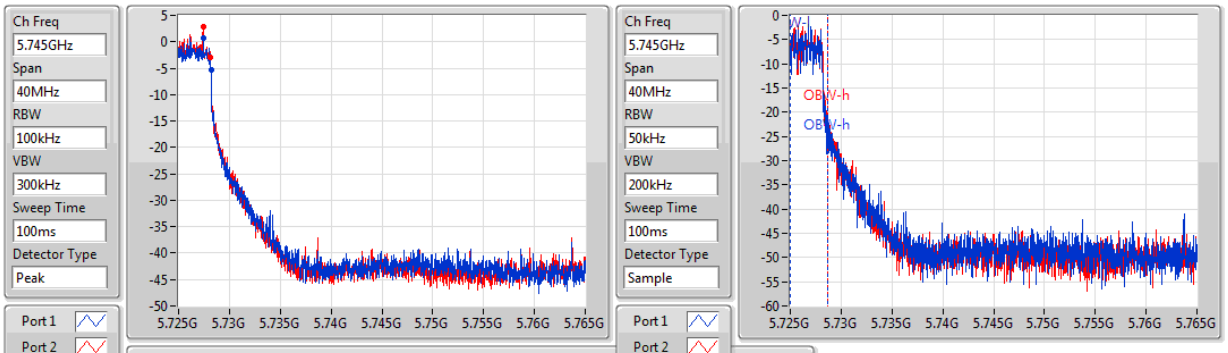
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.575M	5.648425G	5.725G	72.639M	5.652024G	5.724663G	Inf	1
76.2M	5.6488G	5.725G	72.564M	5.652174G	5.724738G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.18M	5.725G	5.72818G	3.698M	5.72501G	5.728708G	500k	1
3.1M	5.725G	5.7281G	3.658M	5.72501G	5.728668G	500k	2

For R2 B4 / Master and Slave without radar detection

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.375M	16.467M	16M5D1D	15.9M	16.342M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.6M	17.691M	17M7D1D	16.95M	17.516M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.95M	36.282M	36M3D1D	35M	36.132M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.8M	75.762M	75M8D1D	74.5M	75.362M

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

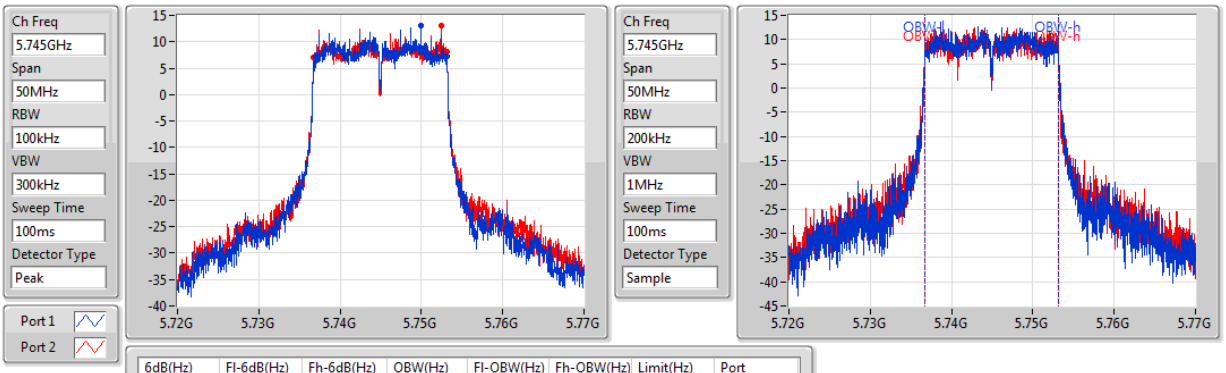
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	16.05M	16.367M	16.325M	16.442M
5785MHz	Pass	500k	15.9M	16.342M	16.375M	16.467M
5825MHz	Pass	500k	16.3M	16.342M	16.35M	16.467M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	17.175M	17.591M	17.575M	17.691M
5785MHz	Pass	500k	17.15M	17.516M	17.575M	17.666M
5825MHz	Pass	500k	16.95M	17.566M	17.6M	17.616M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	35.05M	36.182M	35.1M	36.132M
5795MHz	Pass	500k	35.95M	36.282M	35M	36.132M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	75.8M	75.762M	74.5M	75.362M

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

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

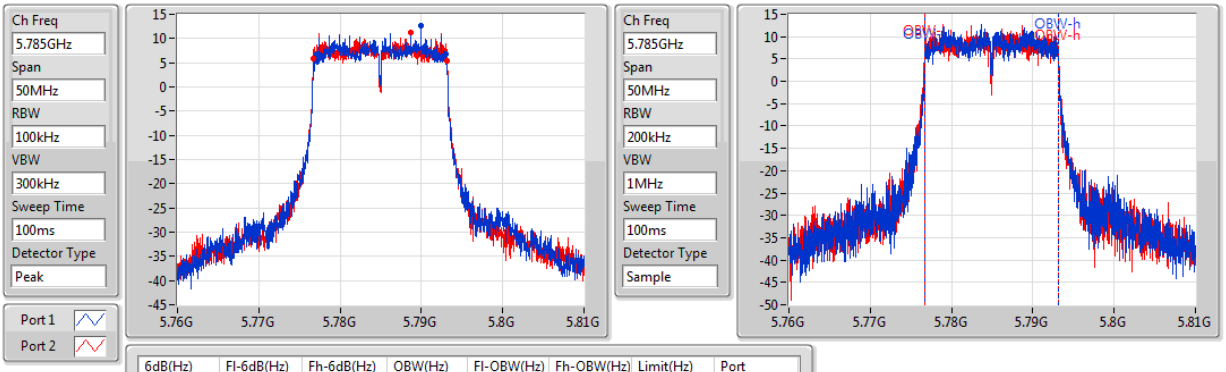
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	5.73705G	5.7531G	16.367M	5.736754G	5.753121G	500k	1
16.325M	5.736775G	5.7531G	16.442M	5.736704G	5.753146G	500k	2

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

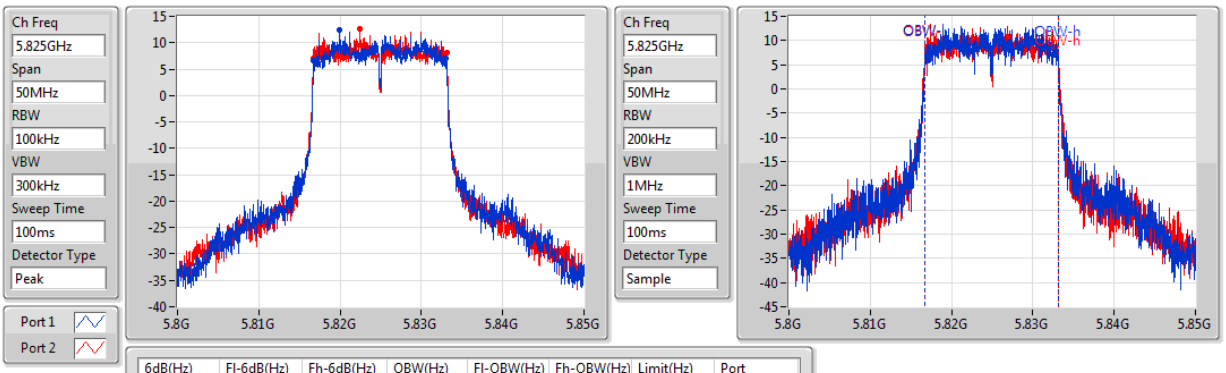
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	5.777175G	5.793075G	16.342M	5.776754G	5.793096G	500k	1
16.375M	5.77675G	5.793125G	16.467M	5.776679G	5.793146G	500k	2

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

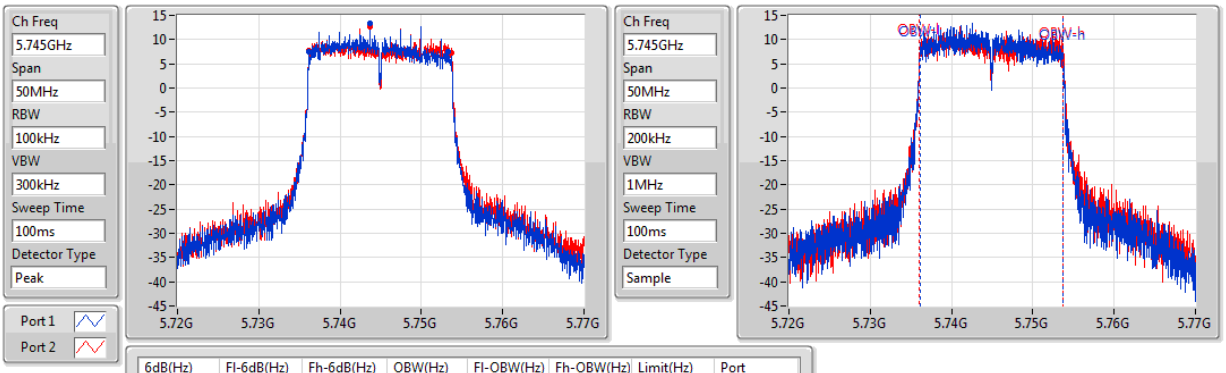
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	5.816775G	5.833075G	16.342M	5.816754G	5.833096G	500k	1
16.35M	5.81675G	5.8331G	16.467M	5.816679G	5.833146G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

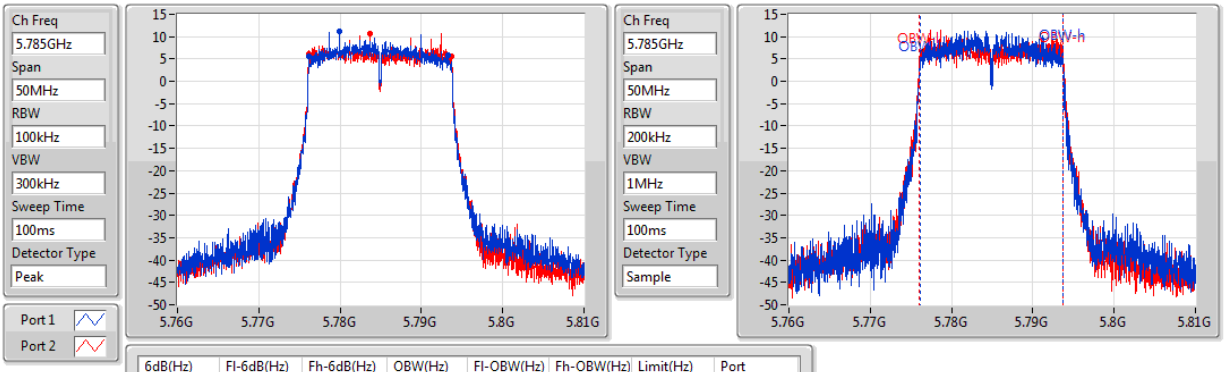
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.175M	5.73615G	5.753325G	17.591M	5.736104G	5.753696G	500k	1
17.575M	5.73615G	5.753725G	17.691M	5.736079G	5.753771G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

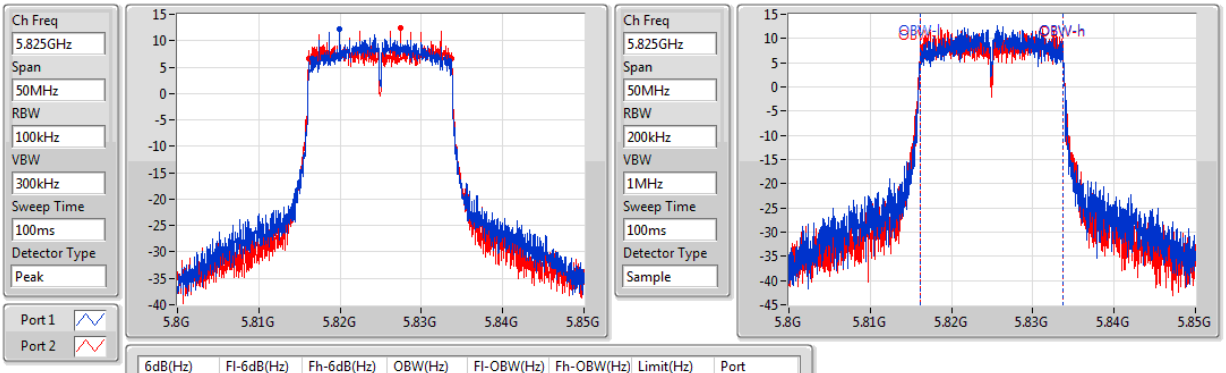
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	5.776175G	5.793325G	17.516M	5.776154G	5.793671G	500k	1
17.575M	5.77615G	5.793725G	17.666M	5.776079G	5.793746G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

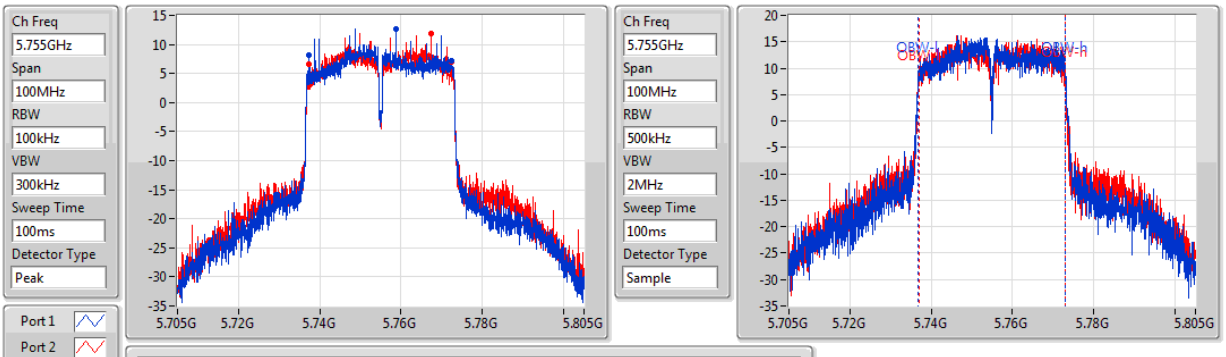
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.95M	5.816525G	5.833475G	17.566M	5.816154G	5.833721G	500k	1
17.6M	5.816125G	5.833725G	17.616M	5.816104G	5.833721G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

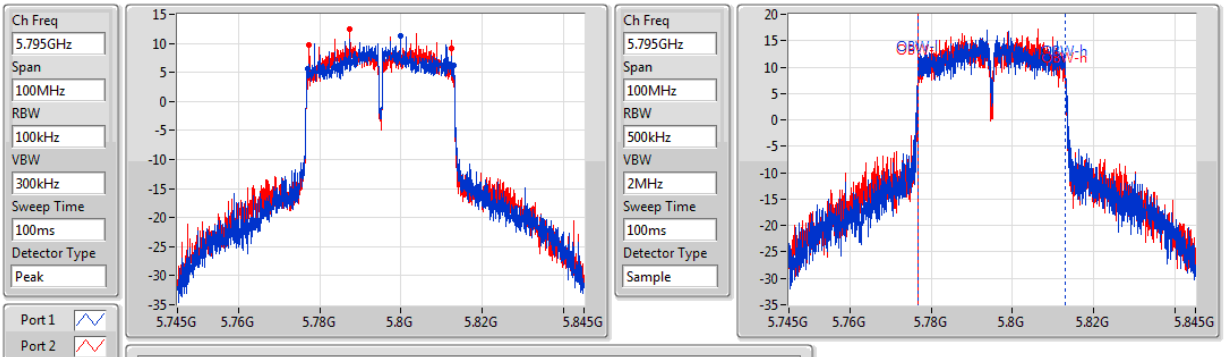
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	5.73745G	5.7725G	36.182M	5.736859G	5.773041G	500k	1
35.1M	5.73735G	5.77245G	36.132M	5.736909G	5.773041G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

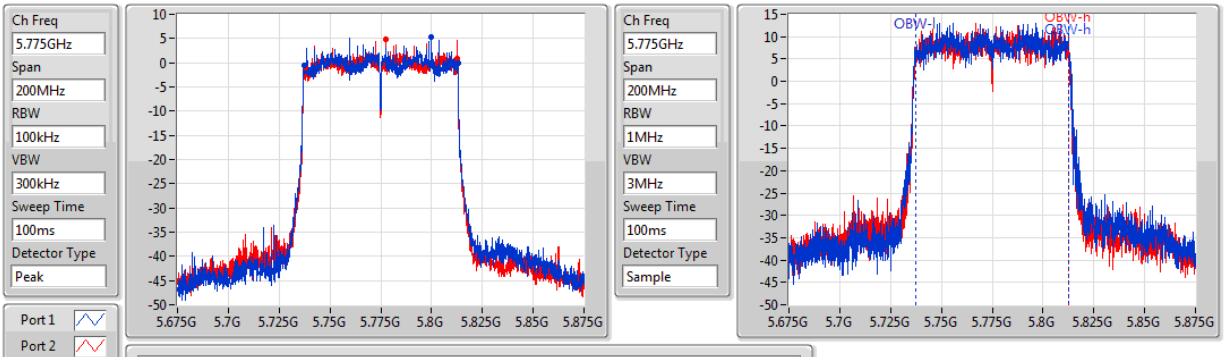
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.95M	5.77715G	5.8131G	36.282M	5.776809G	5.813091G	500k	1
35M	5.77745G	5.81245G	36.132M	5.776859G	5.812991G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.8M	5.7373G	5.8131G	75.762M	5.737119G	5.812881G	500k	1
74.5M	5.738G	5.8125G	75.362M	5.737219G	5.812581G	500k	2

For R3 B1 / Master
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	24.74	0.29785
802.11n HT20_Nss1,(MCS0)_2TX	24.98	0.31477
802.11n HT40_Nss1,(MCS0)_2TX	22.66	0.18450

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.06	17.07	17.23	20.16	30.00
5200MHz	Pass	3.06	21.44	22.00	24.74	30.00
5240MHz	Pass	3.06	19.49	20.22	22.88	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.06	17.28	17.42	20.36	30.00
5200MHz	Pass	3.06	21.78	22.16	24.98	30.00
5240MHz	Pass	3.06	19.42	19.88	22.67	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.06	14.94	15.45	18.21	30.00
5230MHz	Pass	3.06	19.34	19.93	22.66	30.00

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

For R3 B1 / Slave without radar detection
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.88	0.19409
802.11n HT20_Nss1,(MCS0)_2TX	23.41	0.21928
802.11n HT40_Nss1,(MCS0)_2TX	22.66	0.18450

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.06	17.07	17.23	20.16	23.98
5200MHz	Pass	3.06	19.33	19.99	22.68	23.98
5240MHz	Pass	3.06	19.52	20.19	22.88	23.98
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.06	17.28	17.42	20.36	23.98
5200MHz	Pass	3.06	20.05	20.72	23.41	23.98
5240MHz	Pass	3.06	19.42	19.88	22.67	23.98
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.06	14.94	15.45	18.21	23.98
5230MHz	Pass	3.06	19.34	19.93	22.66	23.98

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

For R3 B2 / Master and Slave without radar detection
Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.16	0.20701
802.11n HT20_Nss1,(MCS0)_2TX	23.26	0.21184
802.11n HT40_Nss1,(MCS0)_2TX	23.83	0.24155

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.06	19.70	19.66	22.69	23.98
5300MHz	Pass	3.06	20.17	20.13	23.16	23.98
5320MHz	Pass	3.06	19.40	19.30	22.36	23.98
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.06	20.44	20.05	23.26	23.98
5300MHz	Pass	3.06	20.11	20.14	23.14	23.98
5320MHz	Pass	3.06	19.96	20.08	23.03	23.98
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	3.06	20.80	20.84	23.83	23.98
5310MHz	Pass	3.06	15.56	15.55	18.57	23.98

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

For R2 B3 / Master and Slave without radar detection
Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.38	0.17298
802.11ac VHT20_Nss1,(MCS0)_2TX	22.83	0.19187
802.11ac VHT40_Nss1,(MCS0)_2TX	23.91	0.24604
802.11ac VHT80_Nss1,(MCS0)_2TX	23.81	0.24044
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.65	0.03673
802.11ac VHT20_Nss1,(MCS0)_2TX	15.73	0.03741
802.11ac VHT40_Nss1,(MCS0)_2TX	13.16	0.02070
802.11ac VHT80_Nss1,(MCS0)_2TX	10.74	0.01186

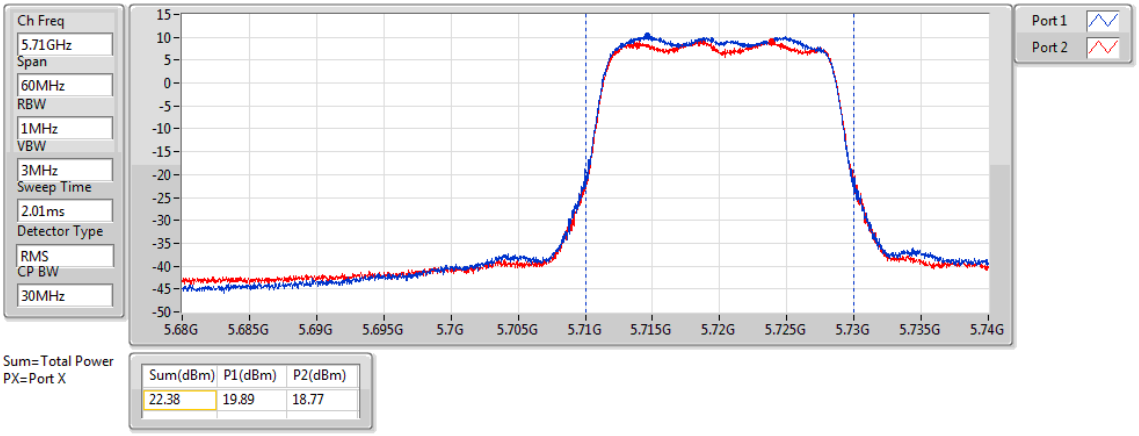
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	3.06	19.30	19.33	22.33	23.75
5580MHz	Pass	3.06	18.75	18.96	21.87	23.72
5700MHz	Pass	3.06	18.85	18.63	21.75	23.72
5720MHz Straddle 5.47-5.725GHz	Pass	3.06	19.89	18.77	22.38	22.58
5720MHz Straddle 5.725-5.85GHz	Pass	3.06	12.82	12.46	15.65	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	3.06	19.65	19.50	22.59	23.97
5580MHz	Pass	3.06	19.33	19.98	22.68	23.96
5700MHz	Pass	3.06	19.89	19.74	22.83	23.96
5720MHz Straddle 5.47-5.725GHz	Pass	3.06	20.25	18.77	22.58	22.75
5720MHz Straddle 5.725-5.85GHz	Pass	3.06	12.72	12.71	15.73	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	3.06	18.01	18.13	21.08	23.98
5550MHz	Pass	3.06	20.63	20.48	23.57	23.98
5670MHz	Pass	3.06	21.06	20.73	23.91	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.06	21.01	20.06	23.57	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.06	10.12	10.17	13.16	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	3.06	17.41	17.48	20.46	23.98
5610MHz	Pass	3.06	20.85	20.74	23.81	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.06	21.06	20.19	23.66	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.06	7.38	8.06	10.74	30.00

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

802.11a_Nss1,(6Mbps)_2TX — AV Power

5720MHz Straddle 5.47-5.725GHz

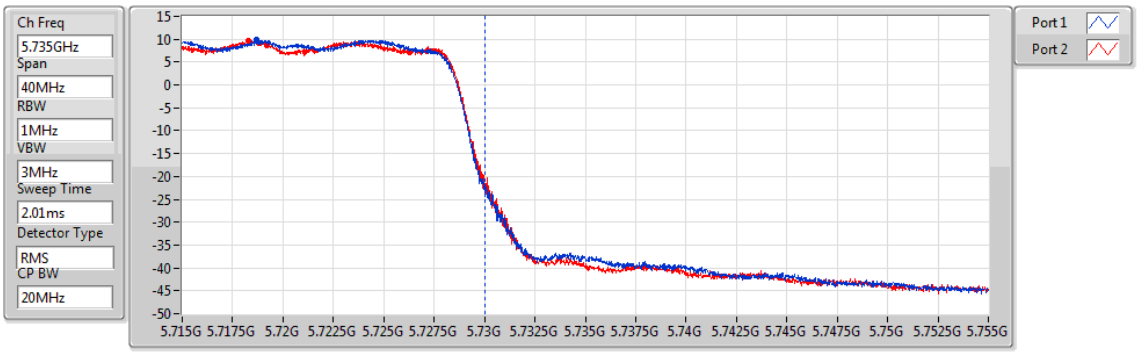


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
22.38	19.89	18.77

802.11a_Nss1,(6Mbps)_2TX — AV Power

5720MHz Straddle 5.725-5.85GHz

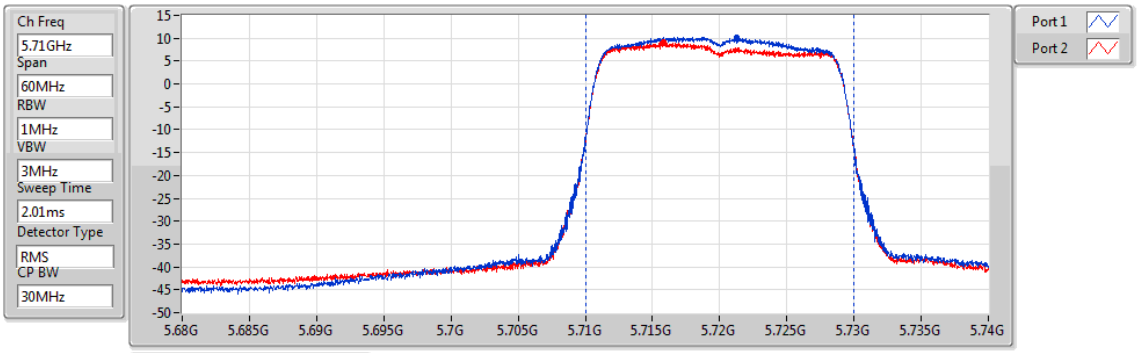


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
15.65	12.82	12.46

802.11ac VHT20_Nss1,(MCS0)_2TX — AV Power

5720MHz Straddle 5.47-5.725GHz

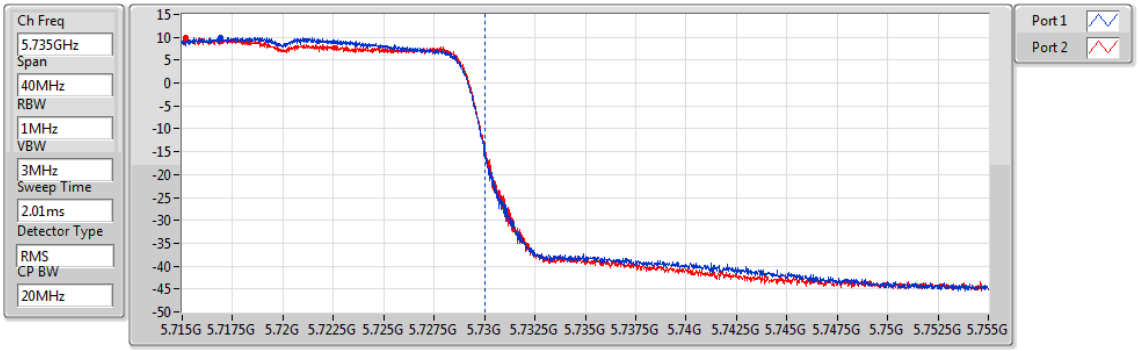


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
22.58	20.25	18.77

802.11ac VHT20_Nss1,(MCS0)_2TX — AV Power

5720MHz Straddle 5.725-5.85GHz

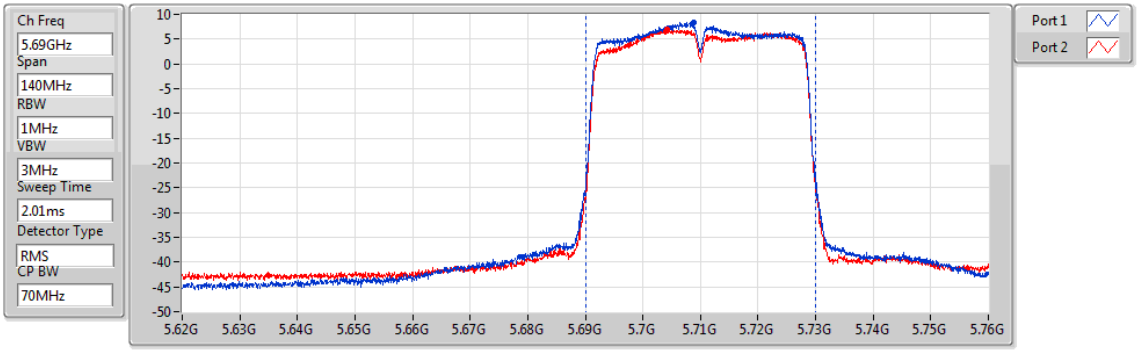


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
15.73	12.72	12.71

802.11ac VHT40_Nss1,(MCS0)_2TX — AV Power

5710MHz Straddle 5.47-5.725GHz

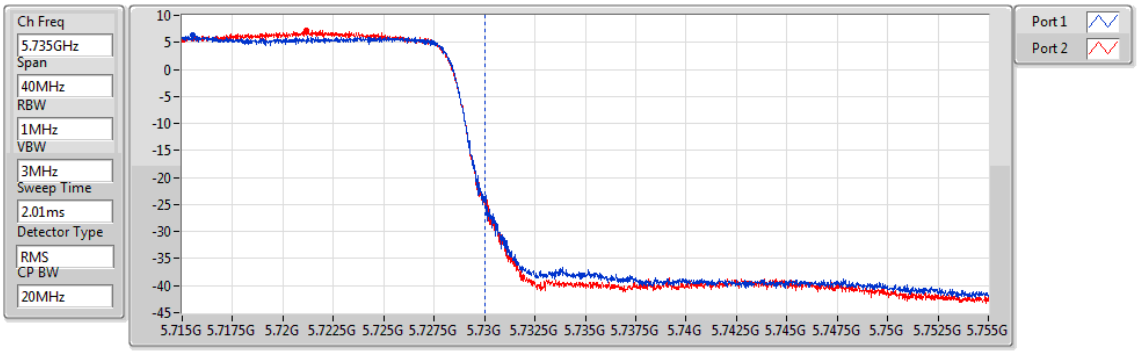


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.57	21.01	20.06

802.11ac VHT40_Nss1,(MCS0)_2TX — AV Power

5710MHz Straddle 5.725-5.85GHz

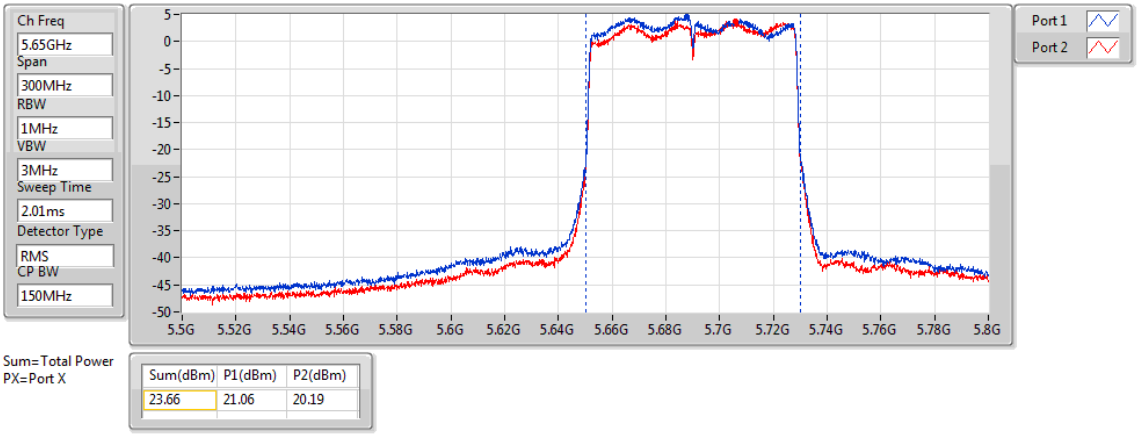


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
13.16	10.12	10.17

802.11ac VHT80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz

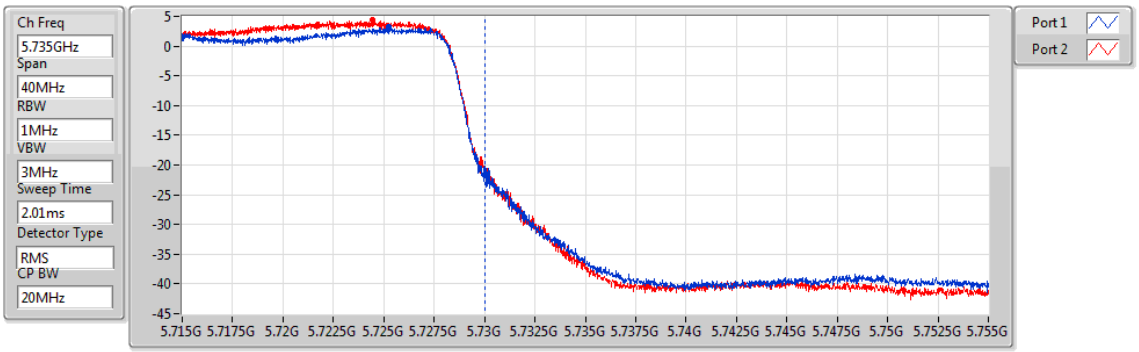


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.66	21.06	20.19

802.11ac VHT80_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
10.74	7.38	8.06

For R2 B4 / Master and Slave without radar detection
Summary

Mode	Total Power (dBm)	Total Power (W)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	26.84	0.48306
802.11ac VHT20_Nss1,(MCS0)_2TX	27.05	0.50699
802.11ac VHT40_Nss1,(MCS0)_2TX	28.98	0.79068
802.11ac VHT80_Nss1,(MCS0)_2TX	24.69	0.29444

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	3.06	23.72	23.62	26.68	30.00
5785MHz	Pass	3.06	22.83	22.87	25.86	30.00
5825MHz	Pass	3.06	23.84	23.81	26.84	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	3.06	24.03	24.05	27.05	30.00
5785MHz	Pass	3.06	22.36	22.40	25.39	30.00
5825MHz	Pass	3.06	23.54	23.86	26.71	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	3.06	25.98	25.95	28.98	30.00
5795MHz	Pass	3.06	25.63	25.60	28.63	30.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	3.06	21.68	21.67	24.69	30.00

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

For R3 B1 / Master
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	12.49
802.11n HT20_Nss1,(MCS0)_2TX	12.60
802.11n HT40_Nss1,(MCS0)_2TX	7.38

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

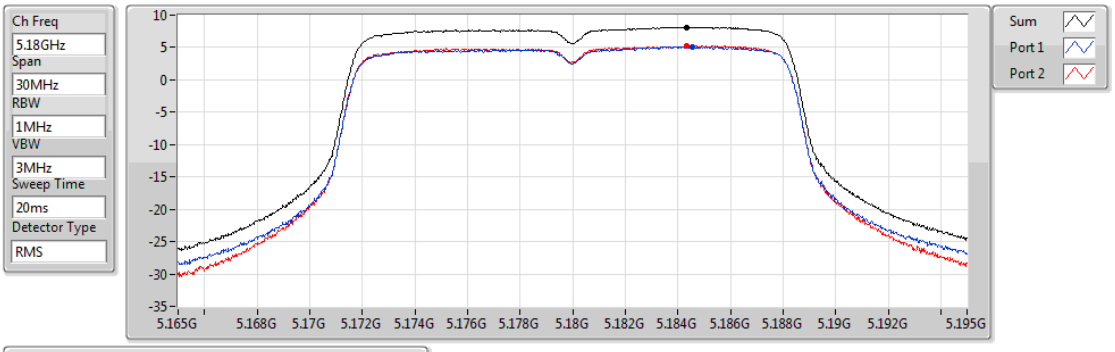
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.07	5.12	5.26	8.15	16.93
5200MHz	Pass	6.07	9.25	9.82	12.49	16.93
5240MHz	Pass	6.07	7.81	8.41	11.09	16.93
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.07	5.34	5.51	8.41	16.93
5200MHz	Pass	6.07	9.48	9.82	12.60	16.93
5240MHz	Pass	6.07	7.14	7.74	10.44	16.93
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.07	0.02	0.47	3.22	16.93
5230MHz	Pass	6.07	4.12	4.76	7.38	16.93

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

802.11a_Nss1,(6Mbps)_2TX PSD

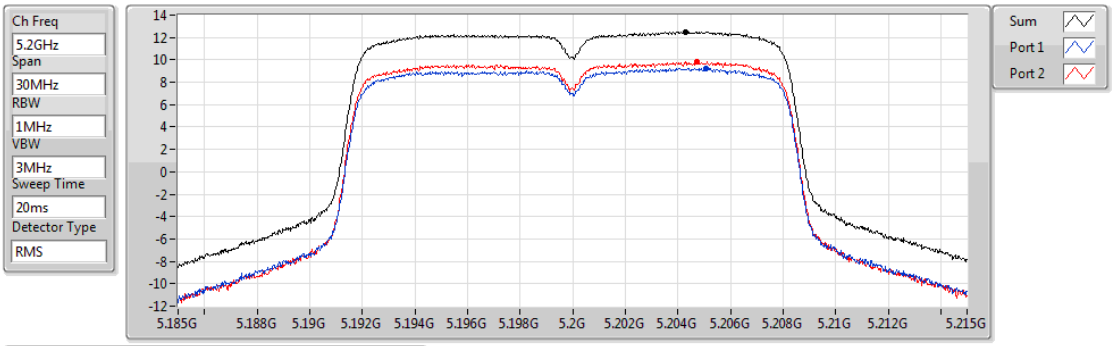
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.15	8.15	5.12	5.26

802.11a_Nss1,(6Mbps)_2TX PSD

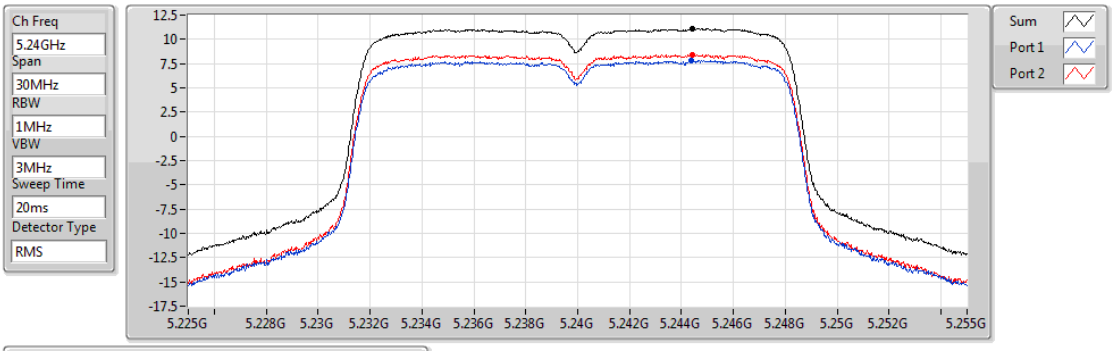
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.49	12.49	9.25	9.82

802.11a_Nss1,(6Mbps)_2TX PSD

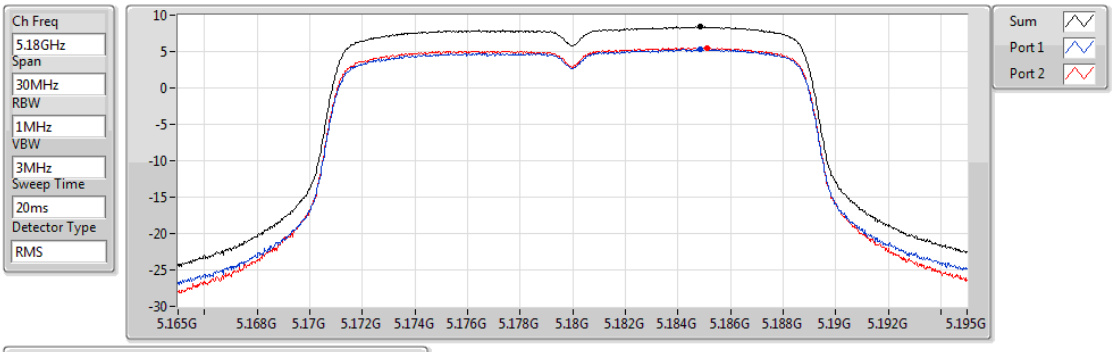
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.09	11.09	7.81	8.41

802.11n HT20_Nss1,(MCS0)_2TX PSD

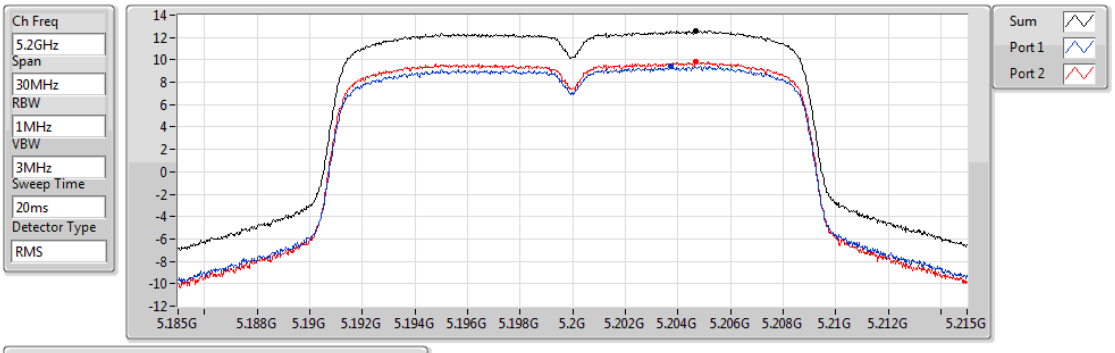
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.41	8.41	5.34	5.51

802.11n HT20_Nss1,(MCS0)_2TX PSD

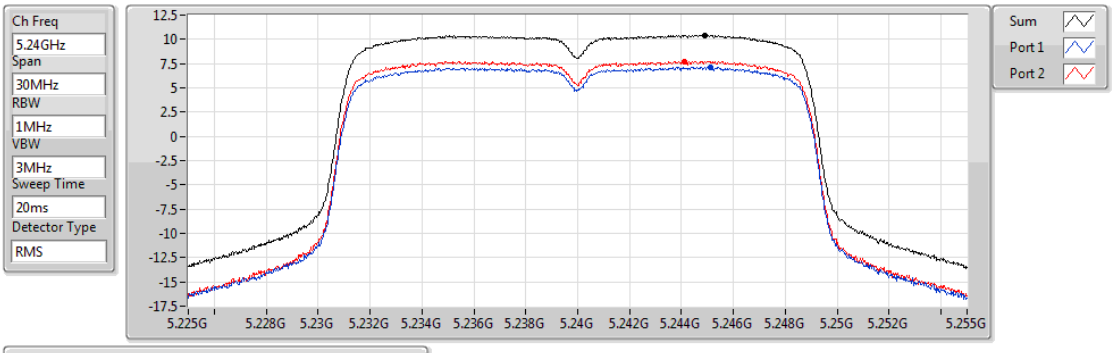
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.60	12.60	9.48	9.82

802.11n HT20_Nss1,(MCS0)_2TX PSD

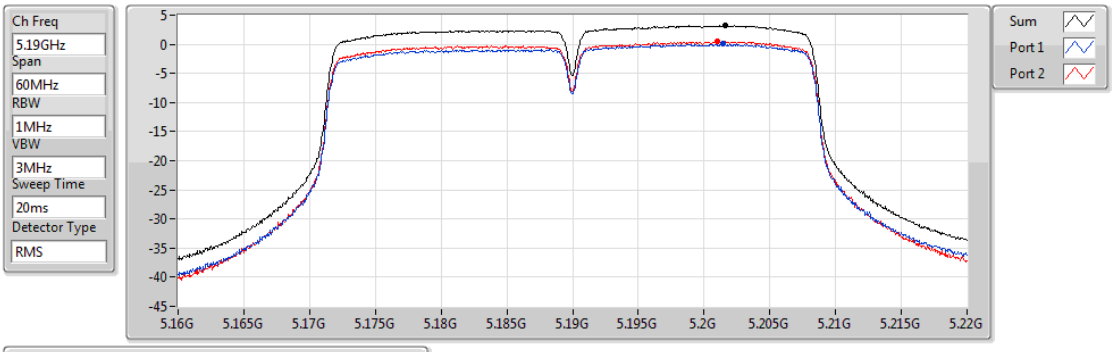
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.44	10.44	7.14	7.74

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

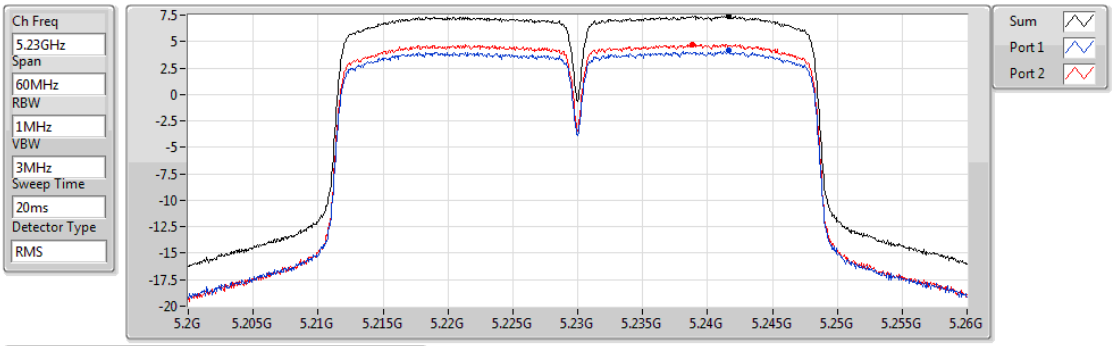
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.22	3.22	0.02	0.47

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	4.12	4.76

For R3 B1 / Slave without radar detection

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.86
802.11n HT20_Nss1,(MCS0)_2TX	10.73
802.11n HT40_Nss1,(MCS0)_2TX	7.38

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

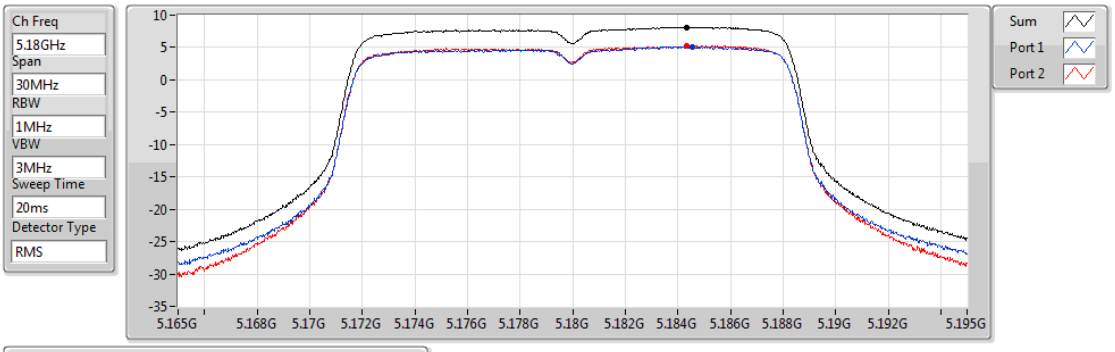
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.07	5.12	5.26	8.15	10.93
5200MHz	Pass	6.07	7.36	7.96	10.64	10.93
5240MHz	Pass	6.07	7.55	8.19	10.86	10.93
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	6.07	5.34	5.51	8.41	10.93
5200MHz	Pass	6.07	7.39	8.03	10.73	10.93
5240MHz	Pass	6.07	7.14	7.74	10.44	10.93
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	6.07	0.02	0.47	3.22	10.93
5230MHz	Pass	6.07	4.12	4.76	7.38	10.93

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

802.11a_Nss1,(6Mbps)_2TX PSD

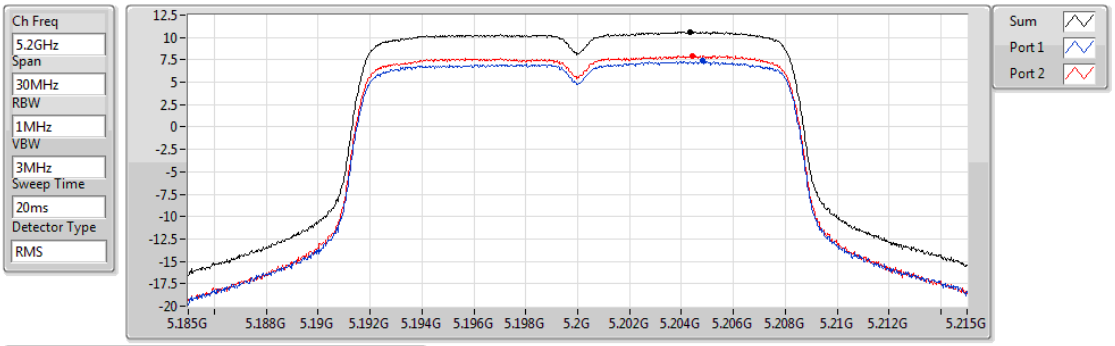
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.15	8.15	5.12	5.26

802.11a_Nss1,(6Mbps)_2TX PSD

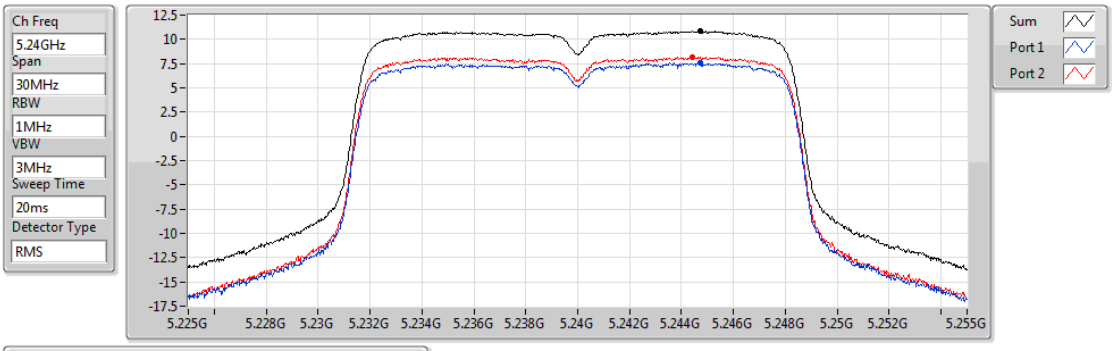
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.64	10.64	7.36	7.96

802.11a_Nss1,(6Mbps)_2TX PSD

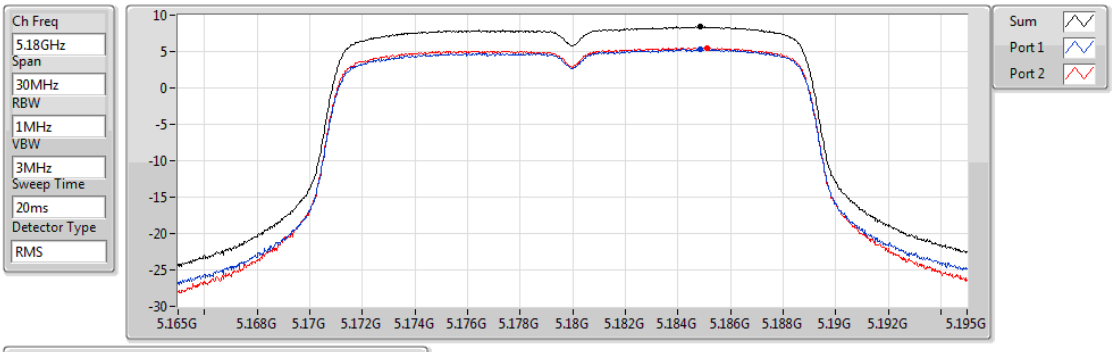
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.86	10.86	7.55	8.19

802.11n HT20_Nss1,(MCS0)_2TX PSD

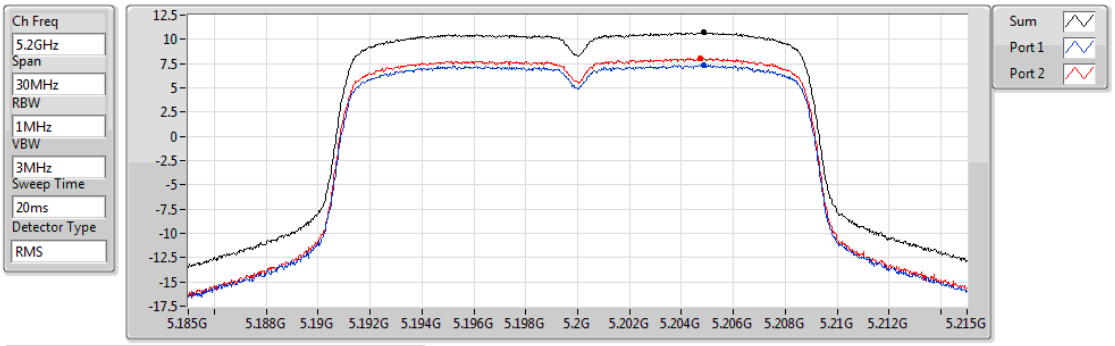
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.41	8.41	5.34	5.51

802.11n HT20_Nss1,(MCS0)_2TX PSD

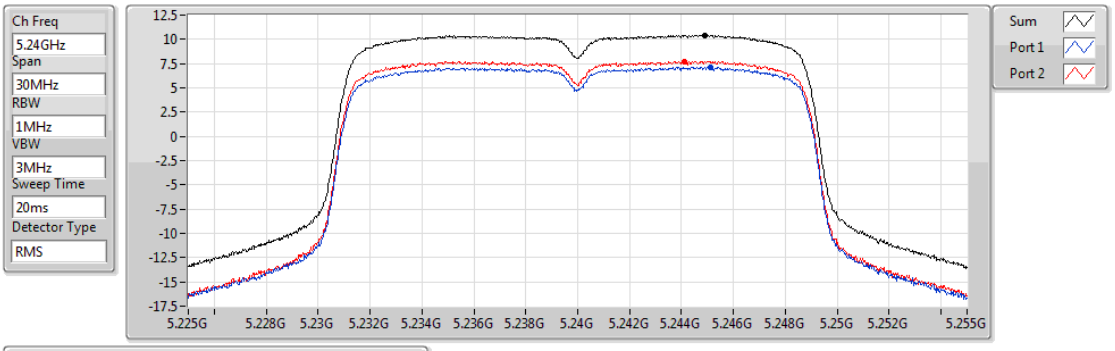
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.73	10.73	7.39	8.03

802.11n HT20_Nss1,(MCS0)_2TX PSD

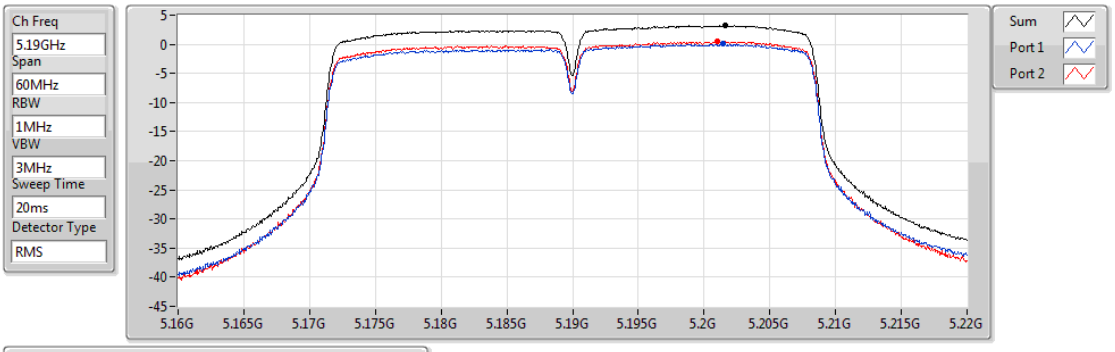
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.44	10.44	7.14	7.74

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

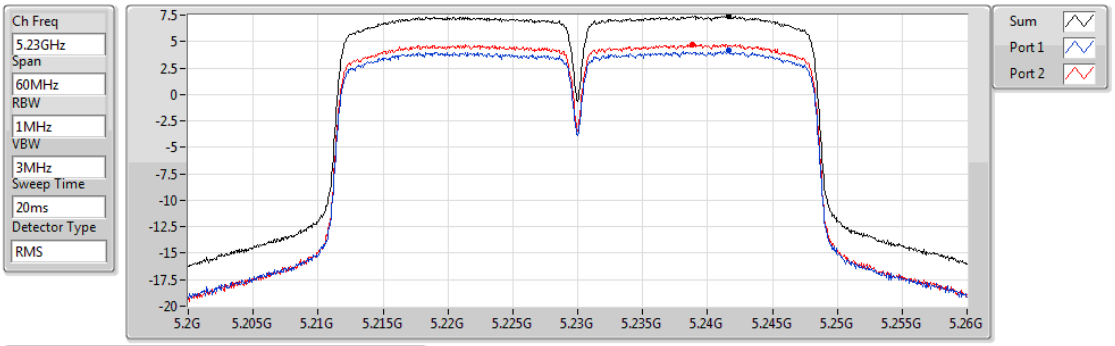
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.22	3.22	0.02	0.47

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.38	7.38	4.12	4.76

For R3 B2 / Master and Slave without radar detection

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.88
802.11n HT20_Nss1,(MCS0)_2TX	10.92
802.11n HT40_Nss1,(MCS0)_2TX	8.86

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

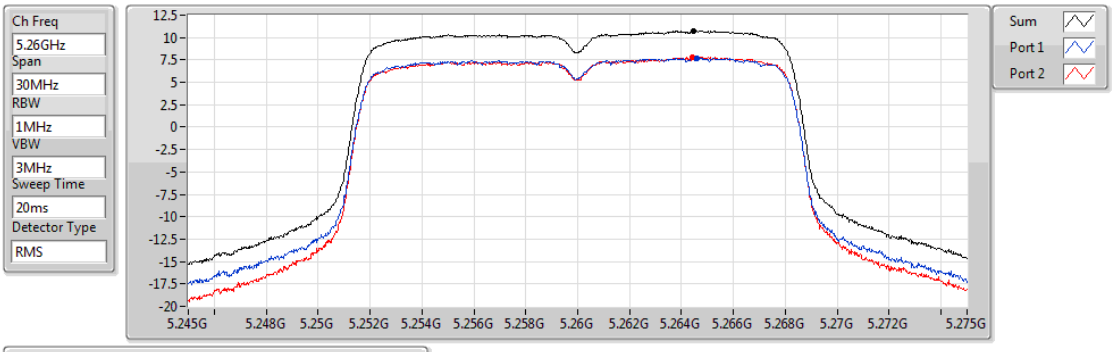
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.07	7.71	7.78	10.73	10.93
5300MHz	Pass	6.07	7.92	7.93	10.88	10.93
5320MHz	Pass	6.07	7.32	7.15	10.21	10.93
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	6.07	8.10	7.79	10.92	10.93
5300MHz	Pass	6.07	7.77	7.66	10.68	10.93
5320MHz	Pass	6.07	7.72	7.79	10.74	10.93
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	6.07	5.71	6.06	8.86	10.93
5310MHz	Pass	6.07	0.31	0.35	3.23	10.93

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

802.11a_Nss1,(6Mbps)_2TX PSD

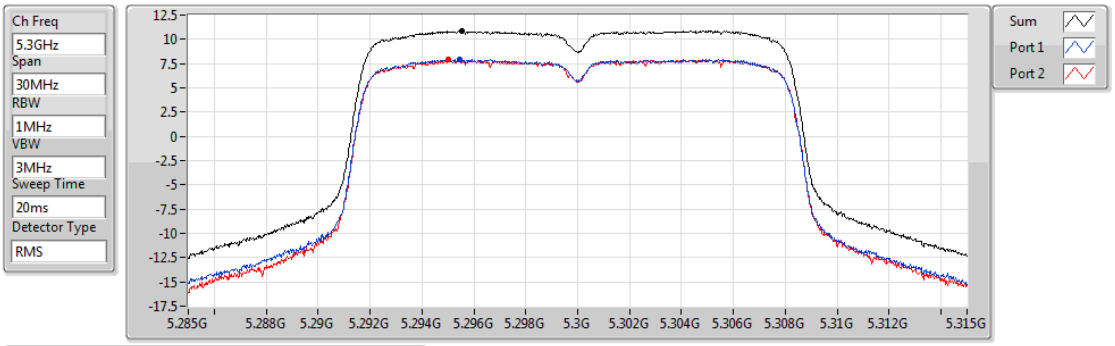
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.73	10.73	7.71	7.78

802.11a_Nss1,(6Mbps)_2TX PSD

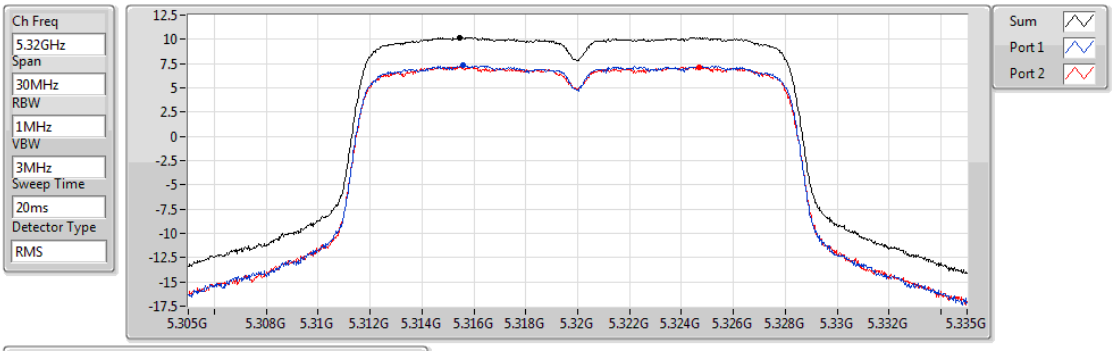
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	7.92	7.93

802.11a_Nss1,(6Mbps)_2TX PSD

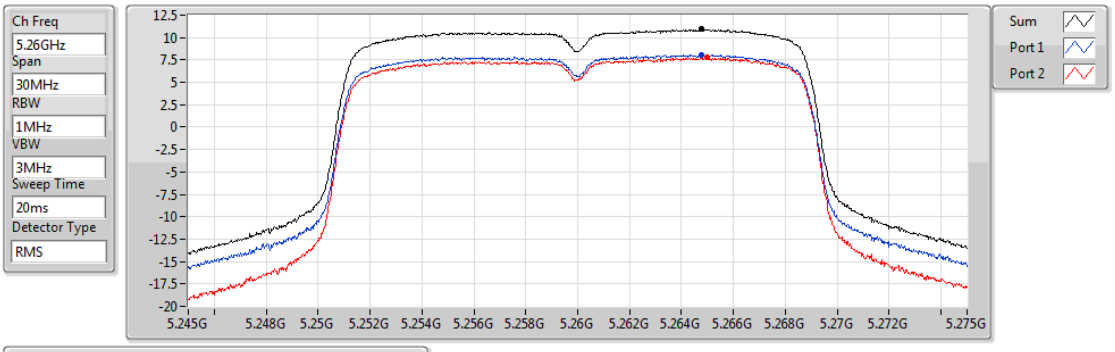
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.21	10.21	7.32	7.15

802.11n HT20_Nss1,(MCS0)_2TX PSD

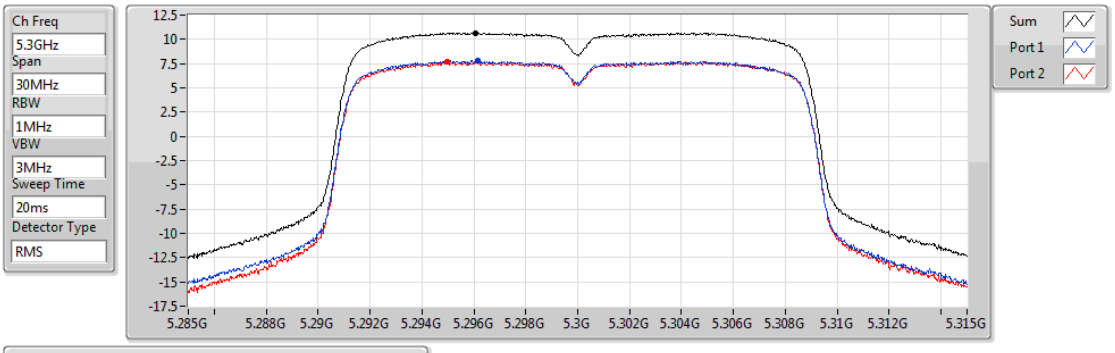
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.92	10.92	8.10	7.79

802.11n HT20_Nss1,(MCS0)_2TX PSD

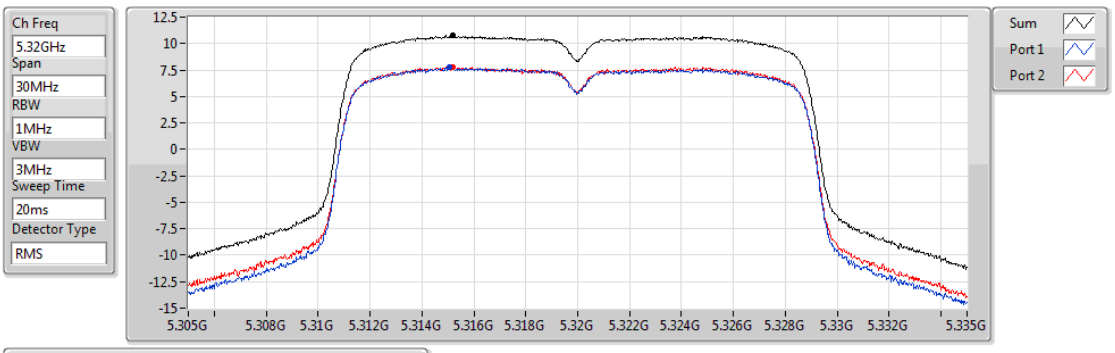
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.68	10.68	7.77	7.66

802.11n HT20_Nss1,(MCS0)_2TX PSD

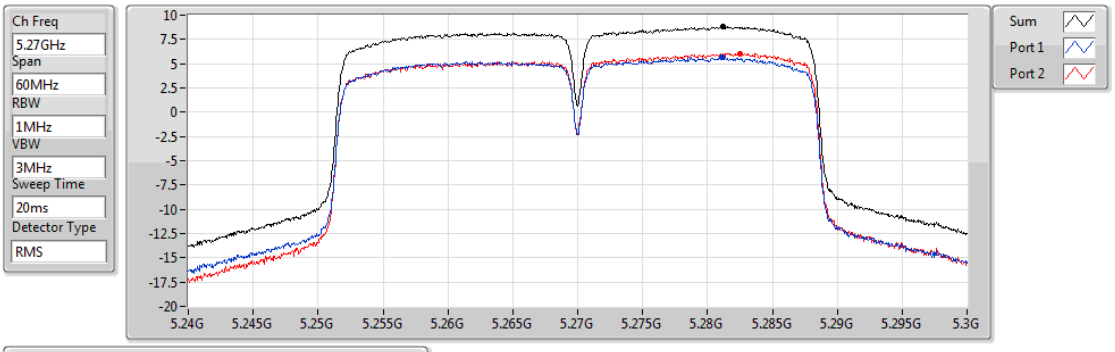
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.74	10.74	7.72	7.79

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

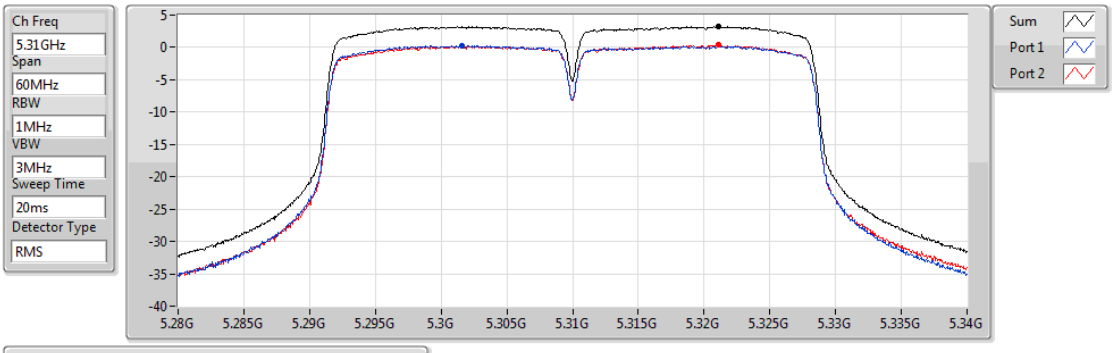
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.86	8.86	5.71	6.06

802.11n HT40_Nss1,(MCS0)_2TX **PSD**

5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.23	3.23	0.31	0.35

For R2 B3 / Master and Slave without radar detection

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.88
802.11ac VHT20_Nss1,(MCS0)_2TX	10.92
802.11ac VHT40_Nss1,(MCS0)_2TX	10.26
802.11ac VHT80_Nss1,(MCS0)_2TX	6.49
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.11
802.11ac VHT20_Nss1,(MCS0)_2TX	7.70
802.11ac VHT40_Nss1,(MCS0)_2TX	5.89
802.11ac VHT80_Nss1,(MCS0)_2TX	3.28

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

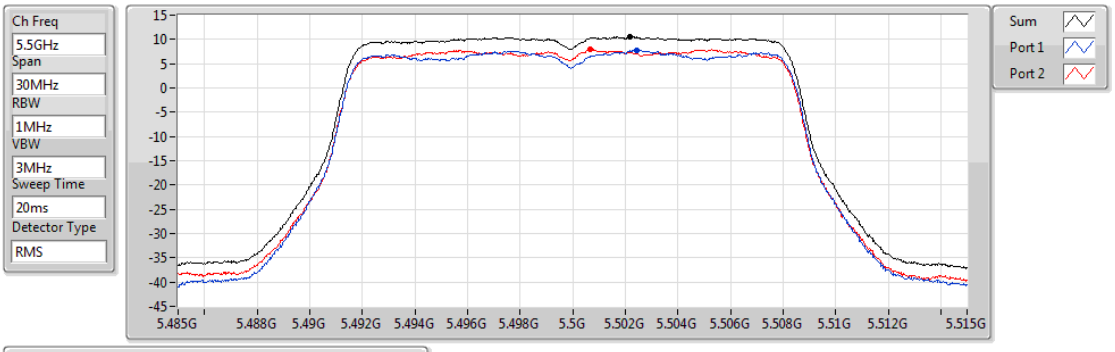
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	6.07	7.78	7.89	10.51	10.93
5580MHz	Pass	6.07	7.95	8.11	10.72	10.93
5700MHz	Pass	6.07	7.63	7.72	10.63	10.93
5720MHz Straddle 5.47-5.725GHz	Pass	6.07	8.52	7.40	10.88	10.93
5720MHz Straddle 5.725-5.85GHz	Pass	6.07	6.63	5.63	9.11	29.93
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	6.07	7.24	8.47	10.73	10.93
5580MHz	Pass	6.07	7.56	8.53	10.80	10.93
5700MHz	Pass	6.07	7.96	7.91	10.92	10.93
5720MHz Straddle 5.47-5.725GHz	Pass	6.07	8.48	6.98	10.69	10.93
5720MHz Straddle 5.725-5.85GHz	Pass	6.07	5.01	4.43	7.70	29.93
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	6.07	3.21	3.86	6.13	10.93
5550MHz	Pass	6.07	6.44	6.39	8.86	10.93
5670MHz	Pass	6.07	7.46	7.13	10.26	10.93
5710MHz Straddle 5.47-5.725GHz	Pass	6.07	6.42	5.17	8.77	10.93
5710MHz Straddle 5.725-5.85GHz	Pass	6.07	2.66	3.25	5.89	29.93
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	6.07	-1.14	-0.72	1.72	10.93
5610MHz	Pass	6.07	3.90	3.41	6.49	10.93
5690MHz Straddle 5.47-5.725GHz	Pass	6.07	2.62	1.91	5.13	10.93
5690MHz Straddle 5.725-5.85GHz	Pass	6.07	-0.09	0.81	3.28	29.93

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

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

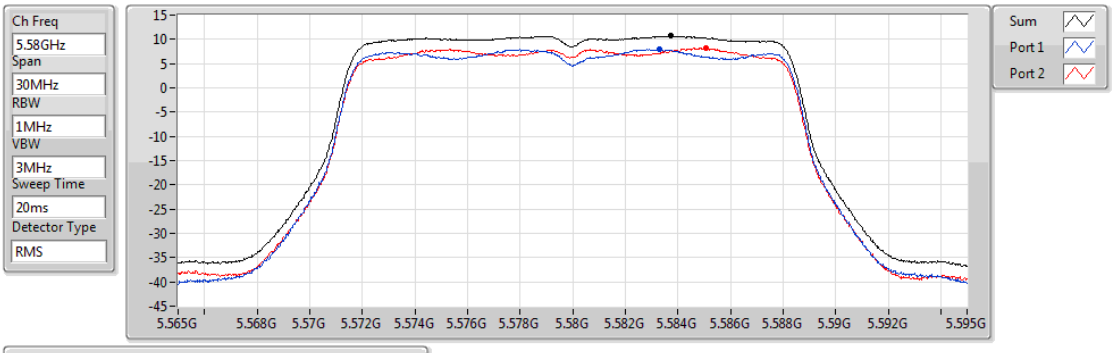
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.51	10.51	7.78	7.89

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

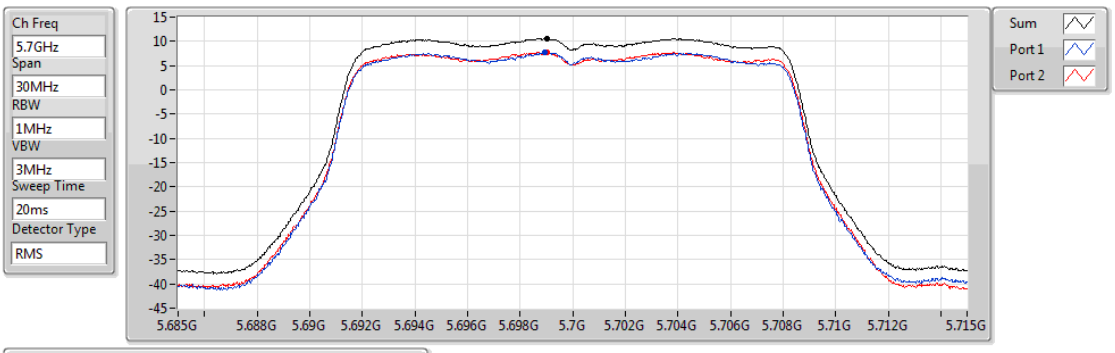
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.72	10.72	7.95	8.11

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

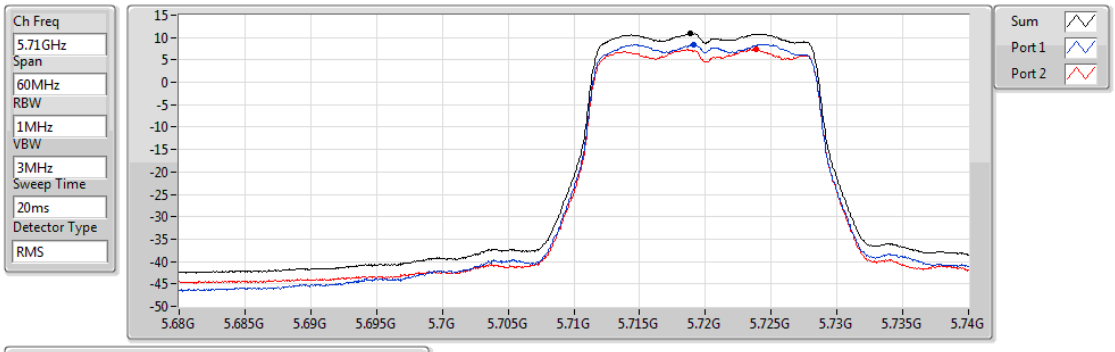
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.63	10.63	7.63	7.72

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

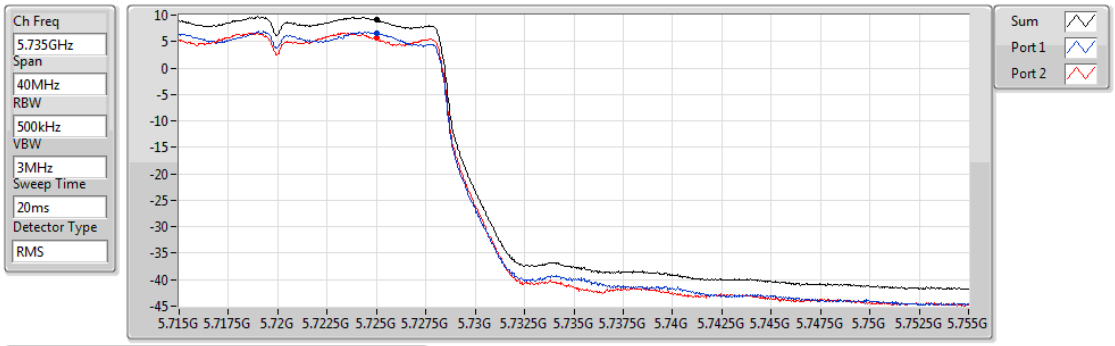
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.88	10.88	8.52	7.40

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

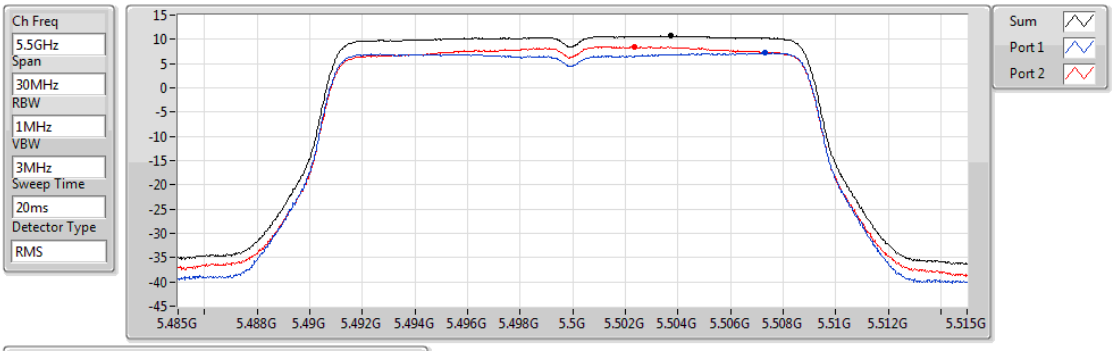
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.11	9.11	6.63	5.63

802.11ac VHT20_Nss1,(MCS0)_2TX **PSD**

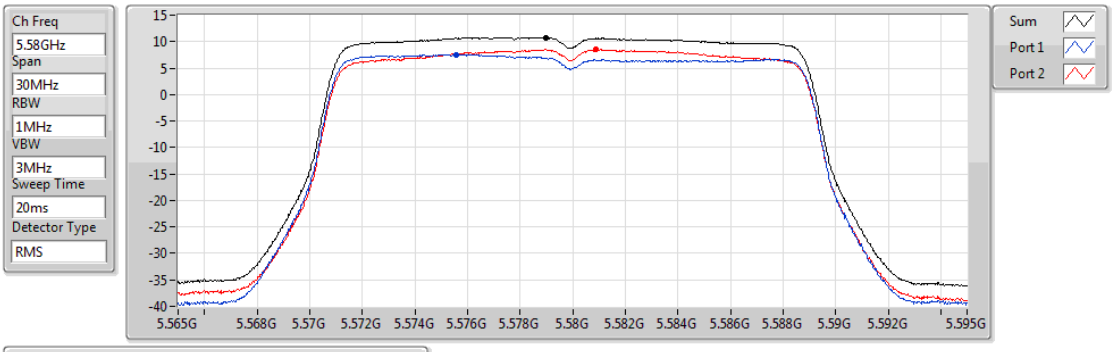
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.73	10.73	7.24	8.47

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

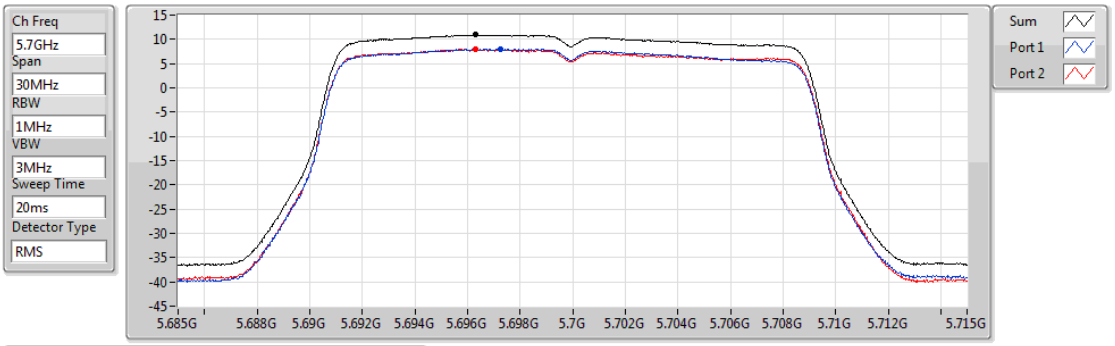
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	7.56	8.53

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

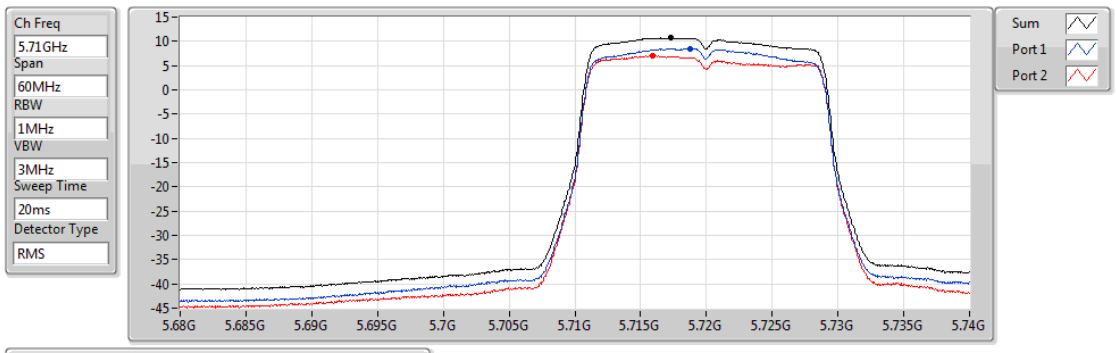
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.92	10.92	7.96	7.91

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

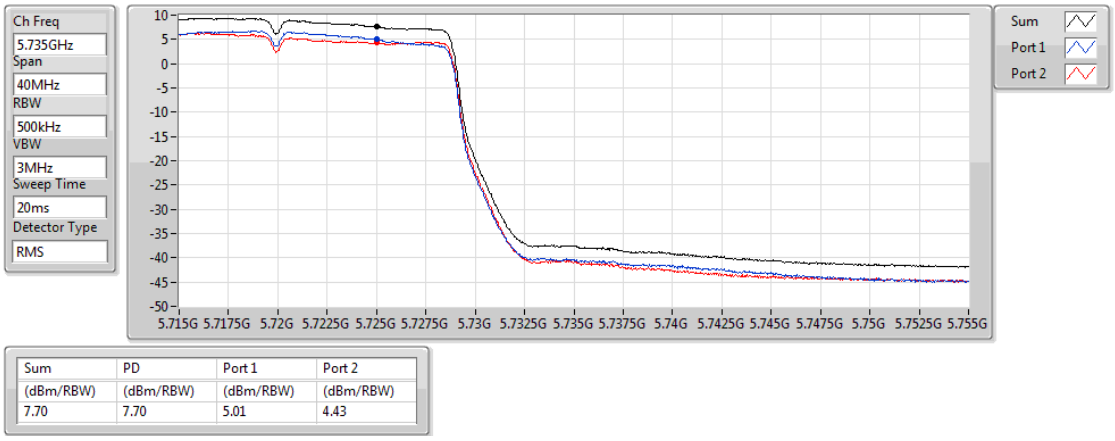
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.69	10.69	8.48	6.98

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

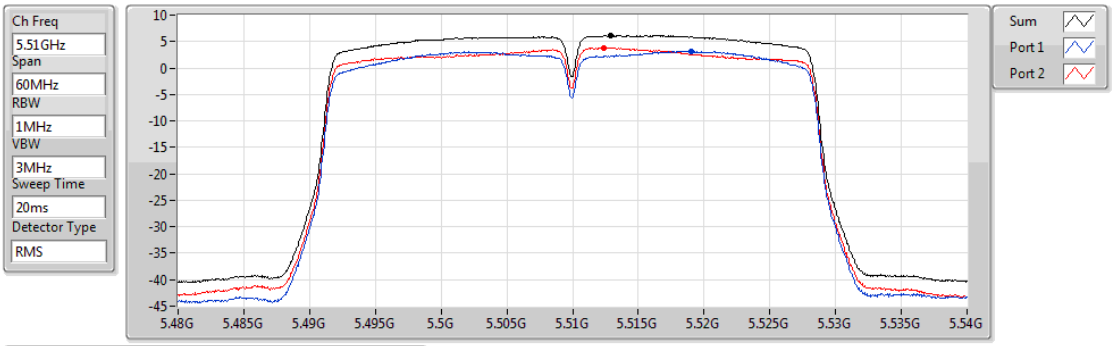
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.70	7.70	5.01	4.43

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

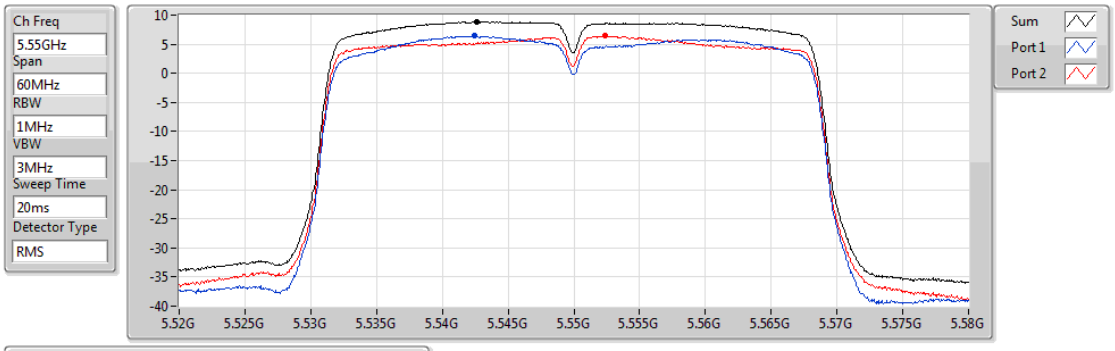
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	3.21	3.86

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

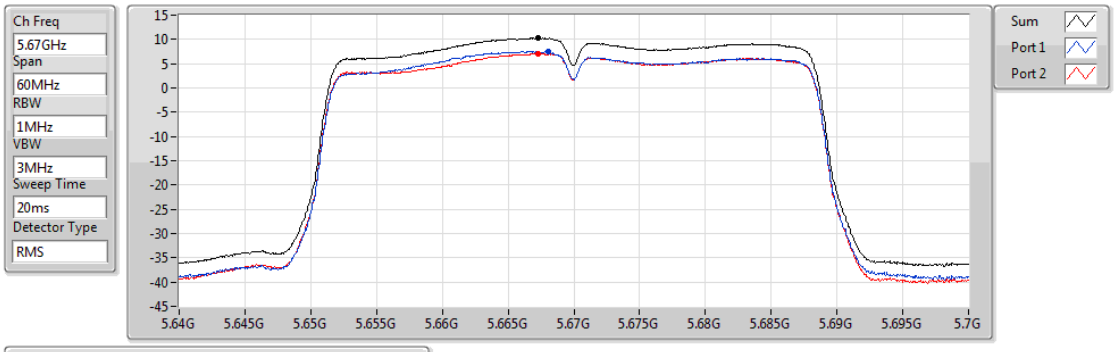
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.86	8.86	6.44	6.39

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

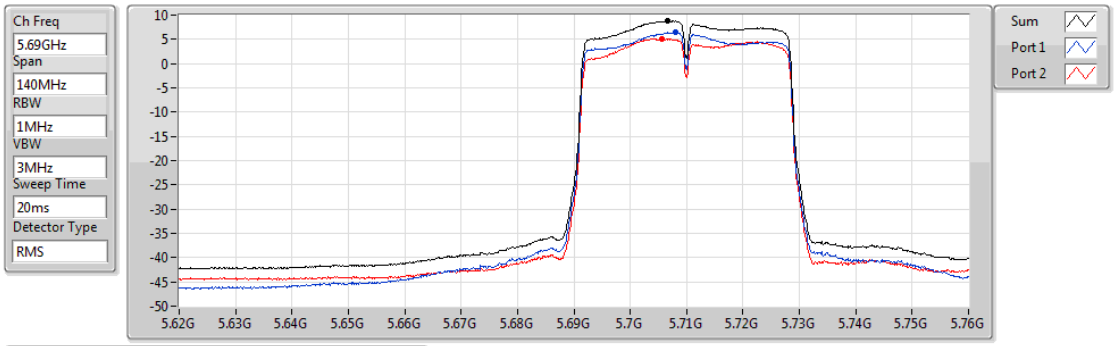
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.26	10.26	7.46	7.13

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

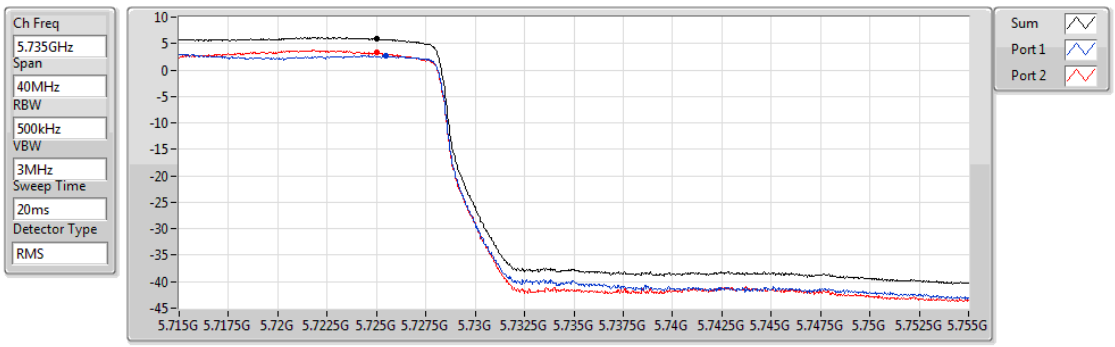
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.77	8.77	6.42	5.17

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

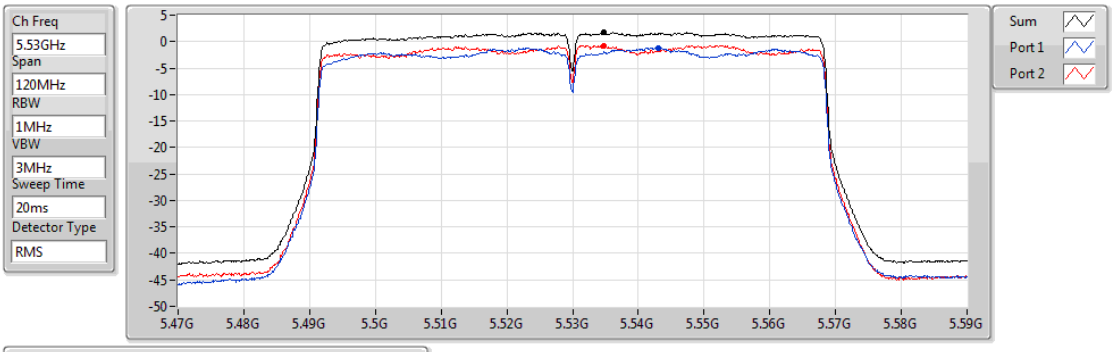
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	2.66	3.25

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

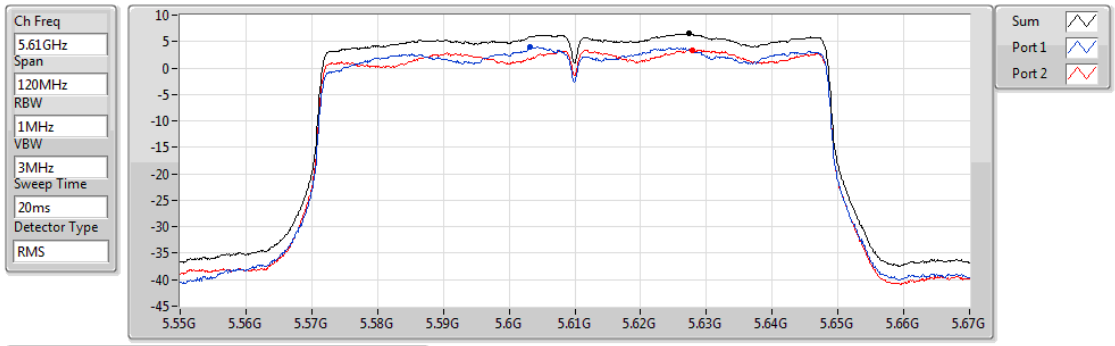
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.72	1.72	-1.14	-0.72

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

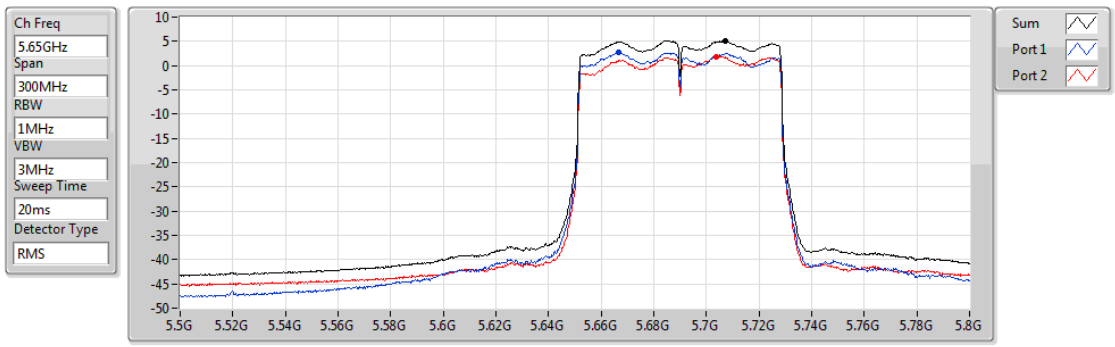
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.49	6.49	3.90	3.41

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

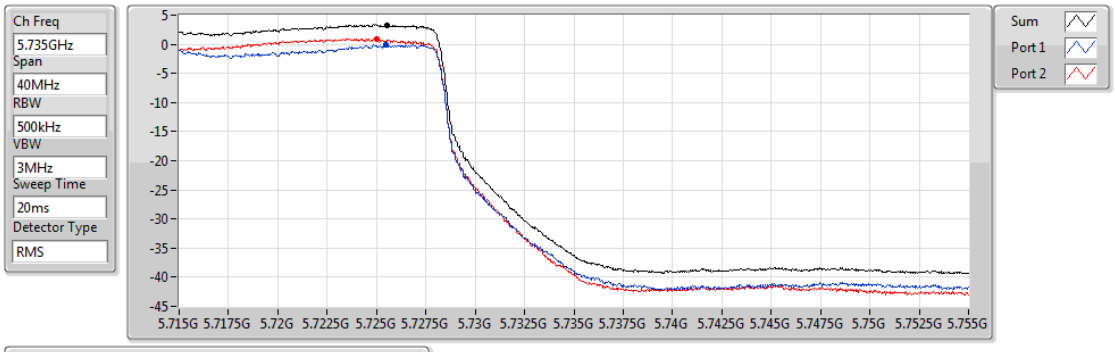
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.13	5.13	2.62	1.91

802.11ac VHT80_Nss1,(MCS0)_2TX **PSD**

5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.28	3.28	-0.09	0.81

For R2 B4 / Master and Slave without radar detection

Summary

Mode	PD (dBm/RBW)
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	13.69
802.11ac VHT20_Nss1,(MCS0)_2TX	13.40
802.11ac VHT40_Nss1,(MCS0)_2TX	12.76
802.11ac VHT80_Nss1,(MCS0)_2TX	5.21

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

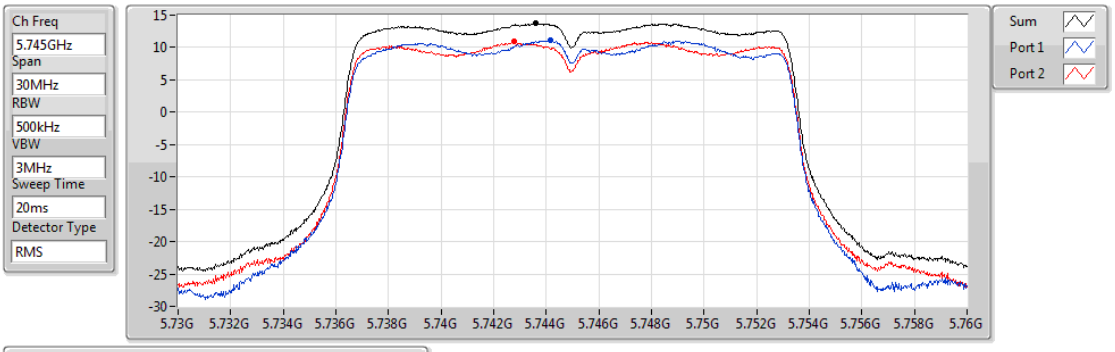
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5745MHz	Pass	6.07	11.09	10.87	13.69	29.93
5785MHz	Pass	6.07	10.15	9.91	12.54	29.93
5825MHz	Pass	6.07	10.95	10.82	13.27	29.93
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	6.07	10.87	10.03	13.40	29.93
5785MHz	Pass	6.07	9.02	8.10	11.40	29.93
5825MHz	Pass	6.07	10.55	9.47	12.71	29.93
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	6.07	10.21	9.76	12.76	29.93
5795MHz	Pass	6.07	9.84	9.46	12.31	29.93
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	6.07	2.54	2.28	5.21	29.93

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

802.11a_Nss1,(6Mbps)_2TX PSD

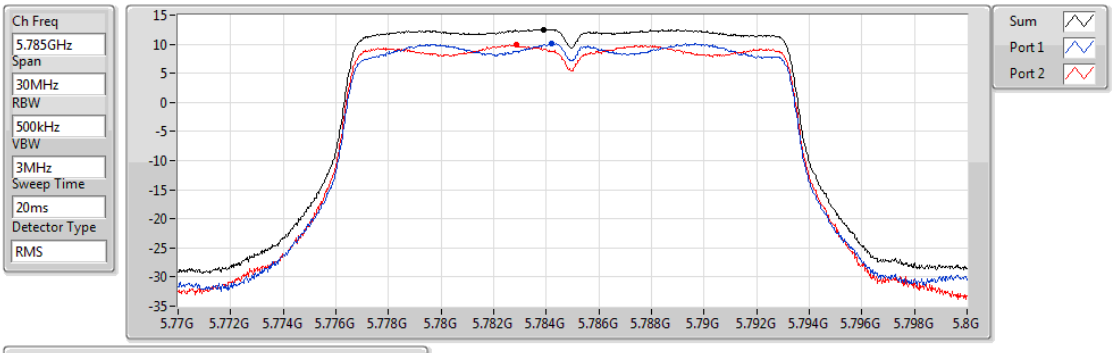
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.69	13.69	11.09	10.87

802.11a_Nss1,(6Mbps)_2TX PSD

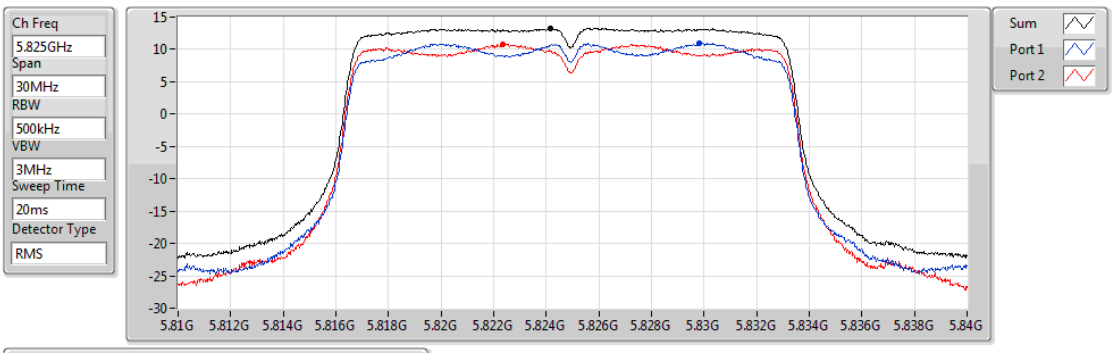
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.54	12.54	10.15	9.91

802.11a_Nss1,(6Mbps)_2TX PSD

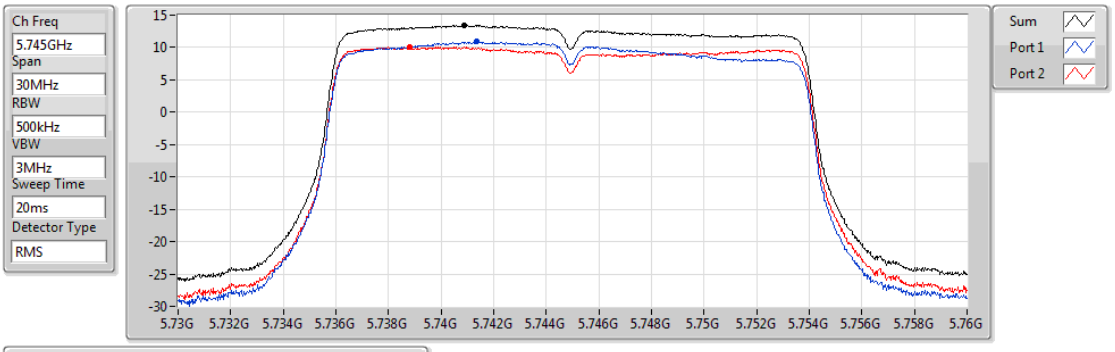
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.27	13.27	10.95	10.82

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

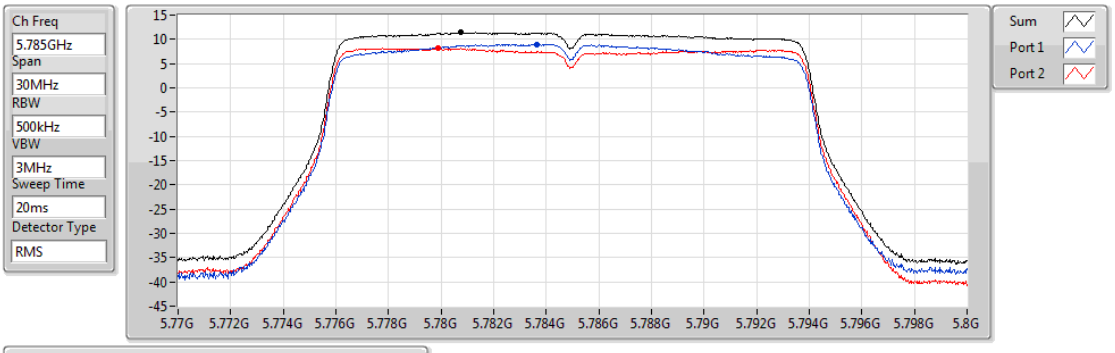
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.40	13.40	10.87	10.03

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

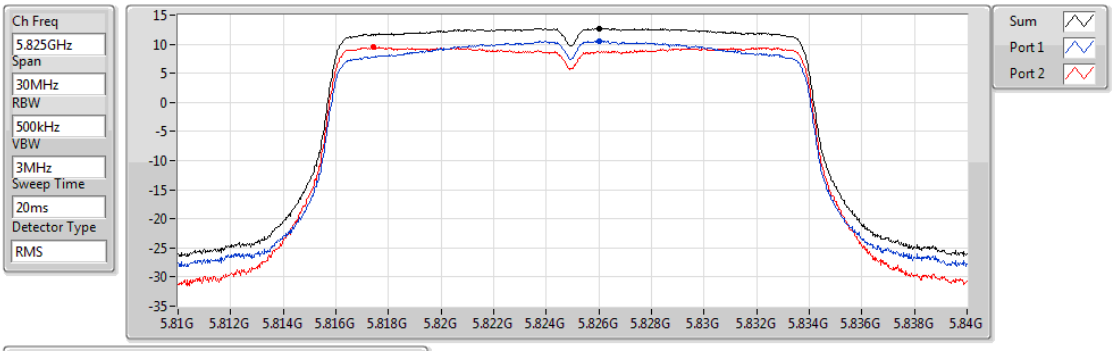
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.40	11.40	9.02	8.10

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

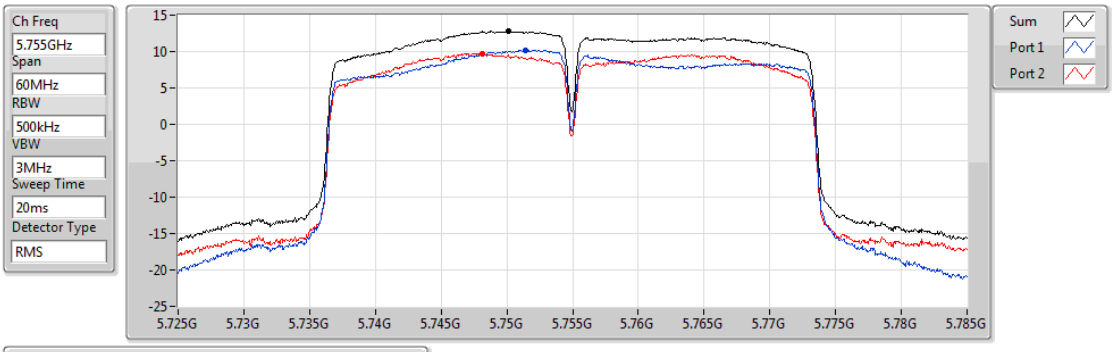
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.71	12.71	10.55	9.47

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

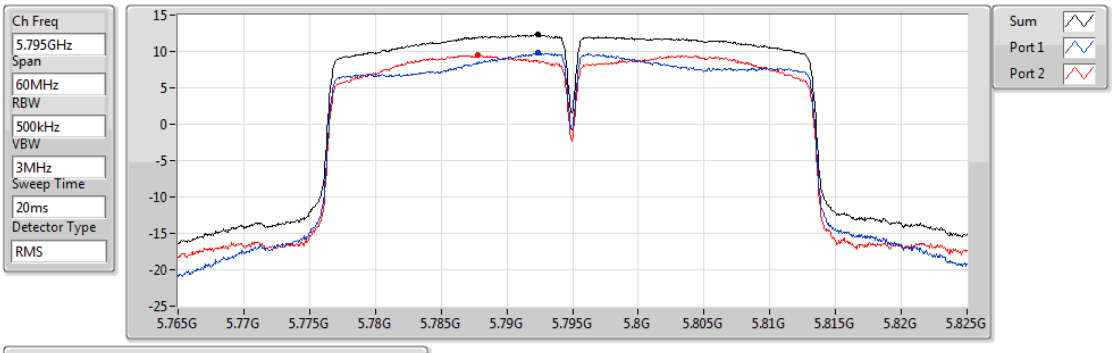
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.76	12.76	10.21	9.76

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

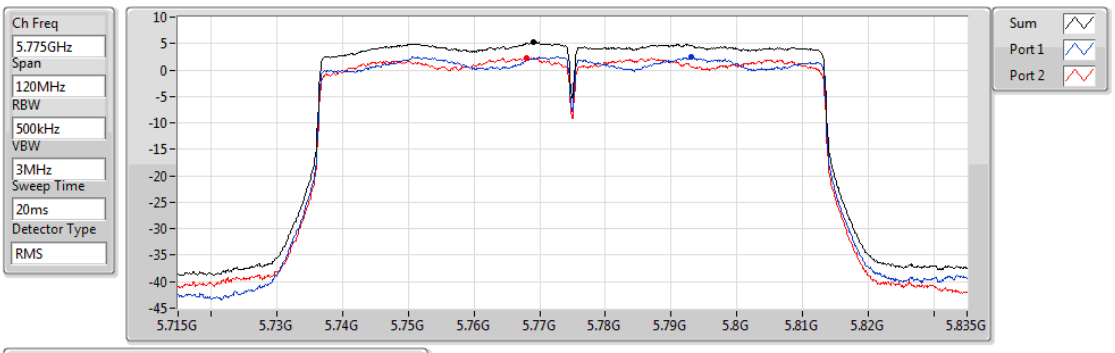
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.31	12.31	9.84	9.46

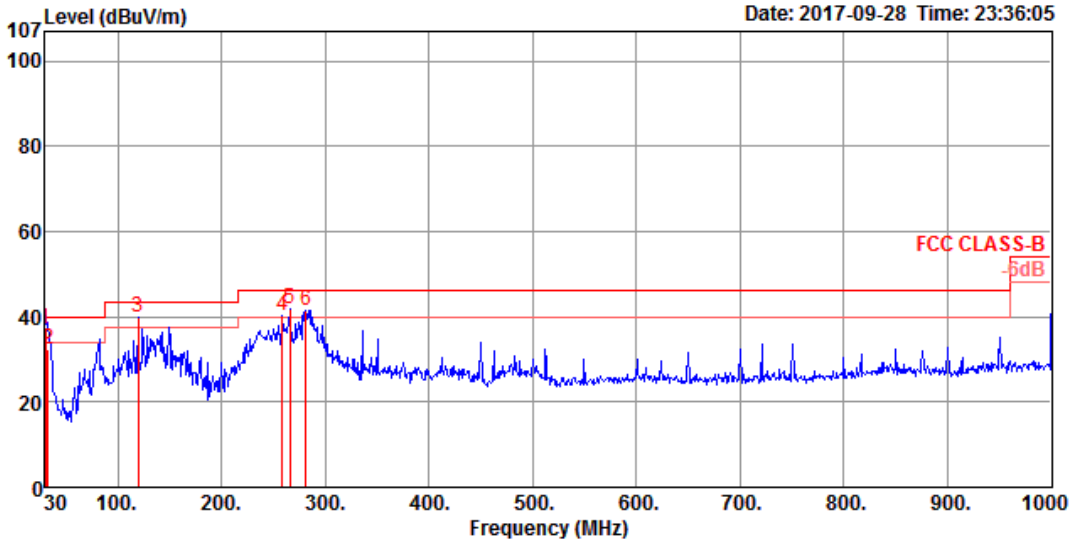
802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.21	5.21	2.54	2.28

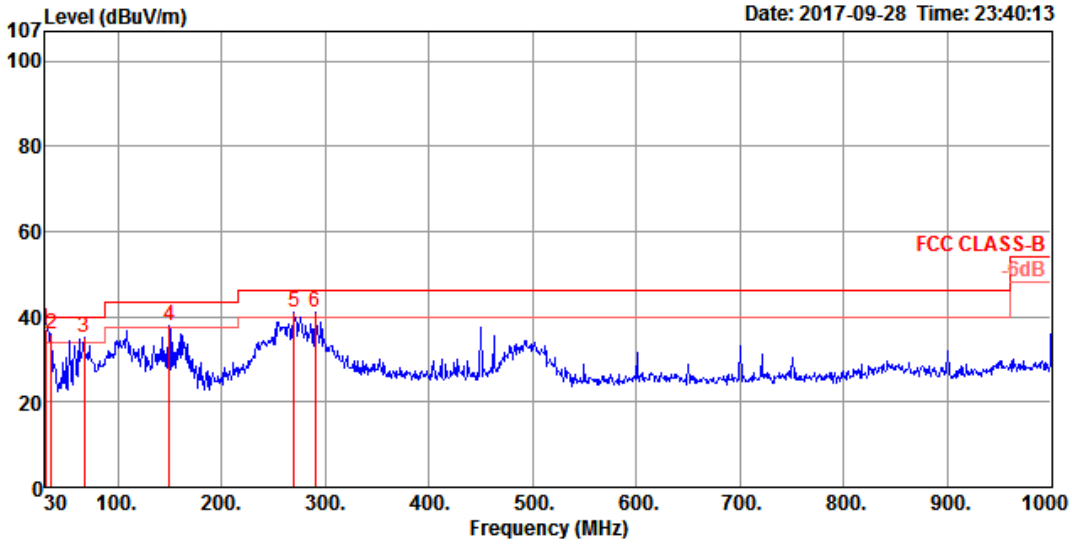
RSE below 1GHz Result			
Operating Mode	1	**Polarization**	Horizontal
Operating Function	Normal Link - AP mode: EUT in Y axis		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	36.92	40.00	-3.08	43.40	0.53	24.45	31.46	150	357	QP	HORIZONTAL
2	32.91	32.33	40.00	-7.67	40.70	0.53	22.62	31.52	200	197	QP	HORIZONTAL
3	119.24	40.06	43.50	-3.44	52.75	0.87	18.29	31.85	300	248	Peak	HORIZONTAL
4	258.92	40.38	46.00	-5.62	51.77	1.27	19.30	31.96	125	237	Peak	HORIZONTAL
5	265.71	41.69	46.00	-4.31	53.19	1.29	19.20	31.99	150	305	Peak	HORIZONTAL
6	281.23	41.64	46.00	-4.36	53.55	1.33	18.76	32.00	125	181	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 - AP mode: EUT in Y axis		



	Freq	Level	Limit Line	Over Limit	Read Level	Cable Loss	Antenna Factor	Preamp Factor	A/Pos	T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	30.00	36.99	40.00	-3.01	43.34	0.66	24.45	31.46	150	104	QP	VERTICAL
2	35.82	36.11	40.00	-3.89	46.18	0.67	20.84	31.58	300	159	Peak	VERTICAL
3	67.83	35.16	40.00	-4.84	53.63	1.03	12.32	31.82	100	207	Peak	VERTICAL
4	149.31	37.88	43.50	-5.62	51.87	1.50	16.40	31.89	100	207	Peak	VERTICAL
5	269.59	41.10	46.00	-4.90	52.00	2.03	19.08	32.01	200	266	Peak	VERTICAL
6	289.96	40.89	46.00	-5.11	51.92	2.08	18.90	32.01	200	266	Peak	VERTICAL

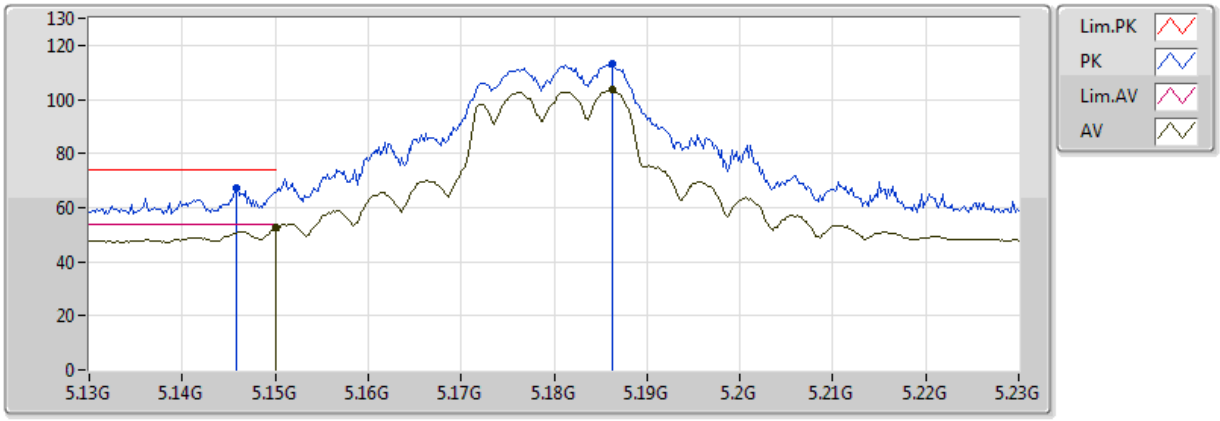
Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

Test Mode: Mode 1-Radio 3 (B1)
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.149995G	52.97	54.00	-1.03	9.76	3	Vertical	306	1.09	-

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

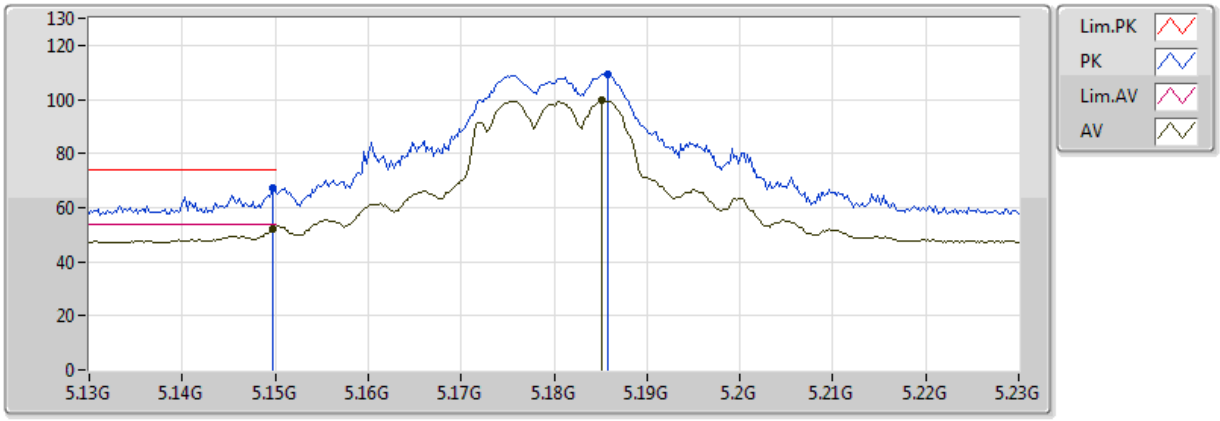


20170929
EUT Z_2TX
Setting 16.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	52.68	54.00	-1.32	9.76	3	Vertical	313	1.05
AV	5.1862G	103.51	Inf	-Inf	9.85	3	Vertical	313	1.05
PK	5.1458G	67.37	74.00	-6.63	9.76	3	Vertical	313	1.05
PK	5.1862G	113.07	Inf	-Inf	9.85	3	Vertical	313	1.05

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

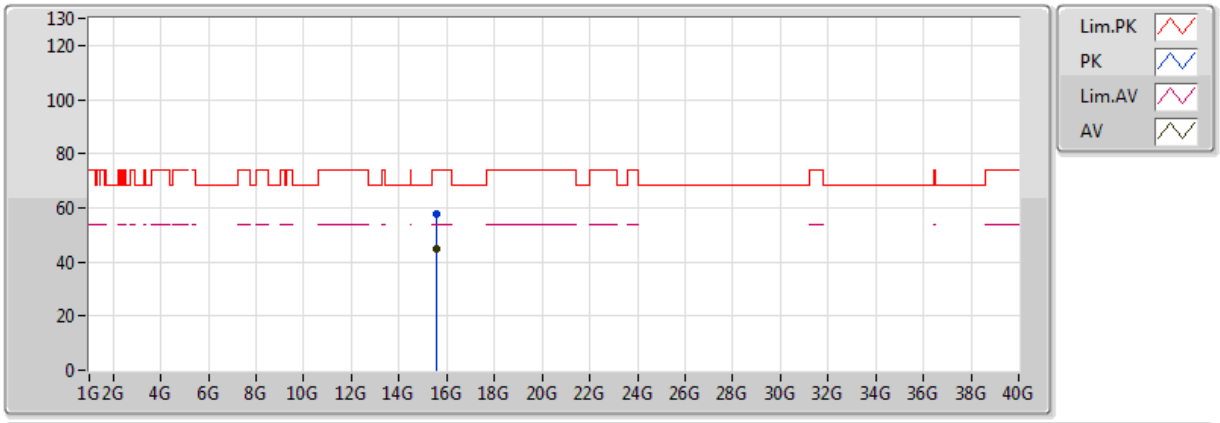


20170929
EUT Z_2TX
Setting 16.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1498G	52.25	54.00	-1.75	9.76	3	Horizontal	288	2.52
AV	5.1852G	99.71	Inf	-Inf	9.85	3	Horizontal	288	2.52
PK	5.1498G	67.30	74.00	-6.70	9.76	3	Horizontal	288	2.52
PK	5.1858G	109.07	Inf	-Inf	9.85	3	Horizontal	288	2.52

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

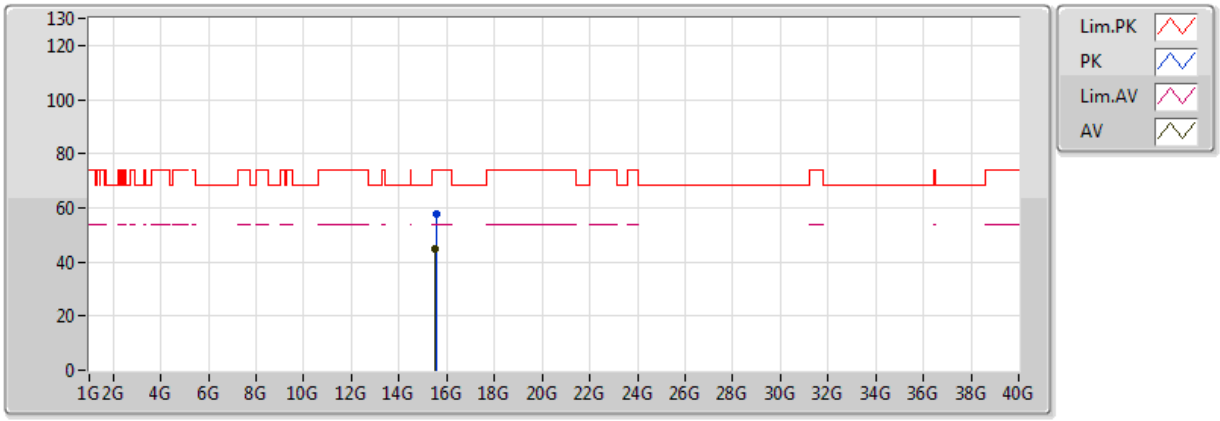


20170929
EUT Z_2TX
Setting 16.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.54352G	44.72	54.00	-9.28	18.69	3	Vertical	251	2.31
PK	15.54904G	57.98	74.00	-16.02	18.68	3	Vertical	251	2.31

802.11a_Nss1,(6Mbps)_2TX

5180MHz_TX

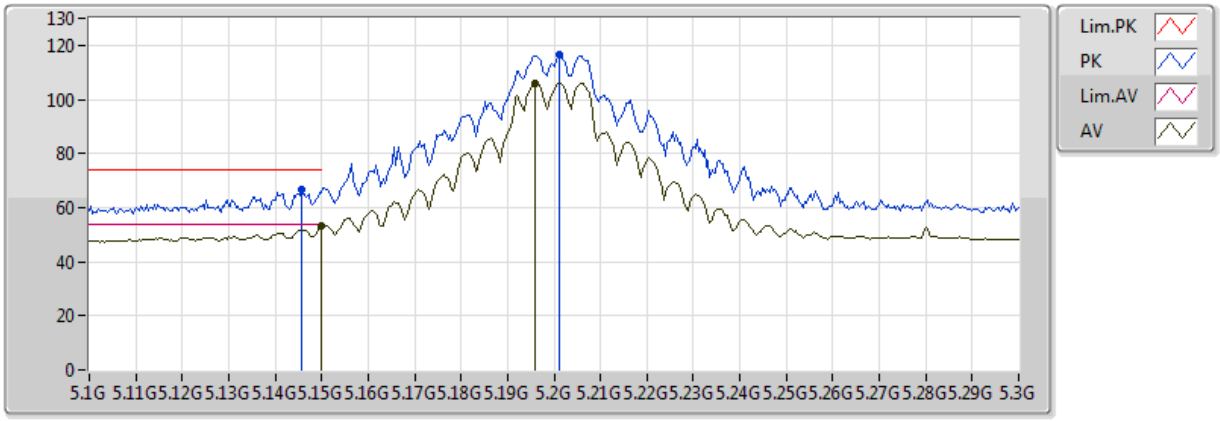


20170929
EUT Z_2TX
Setting 16.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.53028G	44.97	54.00	-9.03	18.72	3	Horizontal	116	1.80
PK	15.54044G	57.47	74.00	-16.53	18.70	3	Horizontal	116	1.80

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

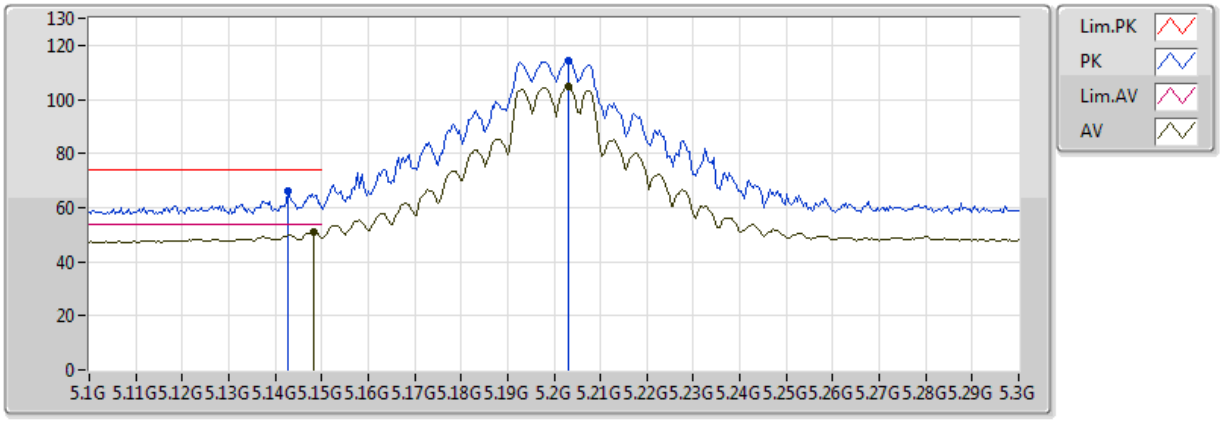


20170929
EUT Z_2TX
Setting 23
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	52.97	54.00	-1.03	9.76	3	Vertical	306	1.09
AV	5.196G	106.14	Inf	-Inf	9.87	3	Vertical	306	1.09
PK	5.1456G	66.79	74.00	-7.21	9.75	3	Vertical	306	1.09
PK	5.2012G	116.59	Inf	-Inf	9.88	3	Vertical	306	1.09

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX



20170929
EUT Z_2TX
Setting 23
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1484G	50.82	54.00	-3.18	9.76	3	Horizontal	289	2.39
AV	5.2032G	104.57	Inf	-Inf	9.88	3	Horizontal	289	2.39
PK	5.1428G	66.23	74.00	-7.77	9.75	3	Horizontal	289	2.39
PK	5.2032G	114.24	Inf	-Inf	9.88	3	Horizontal	289	2.39

802.11a_Nss1,(6Mbps)_2TX

5200MHz_TX

20170929
EUT Z_2TX
Setting 23
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.60996G	44.67	54.00	-9.33	18.55	3	Vertical	317	1.47
PK	15.59784G	57.78	74.00	-16.22	18.57	3	Vertical	317	1.47

802.11a_Nss1,(6Mbps)_2TX

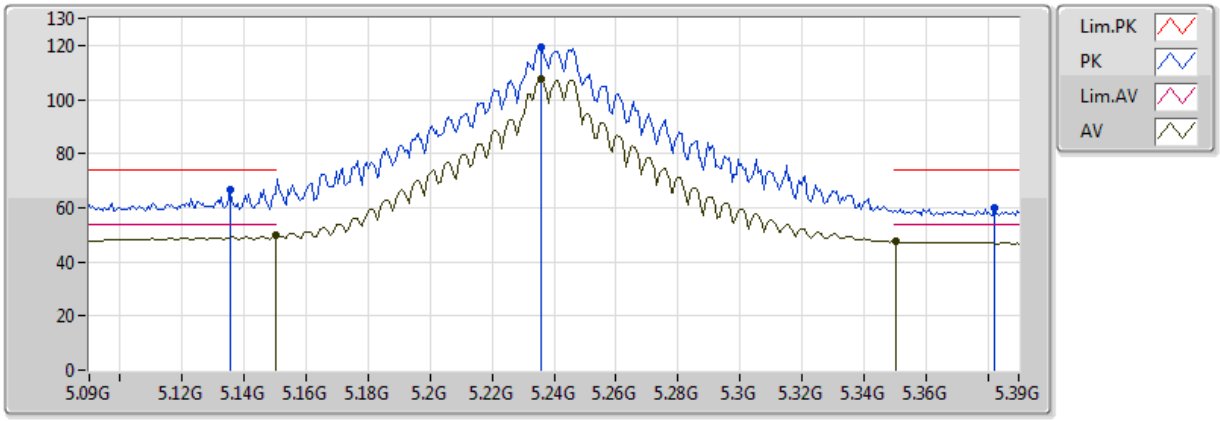
5200MHz_TX

20170929
EUT Z_2TX
Setting 23
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.59168G	44.76	54.00	-9.24	18.59	3	Horizontal	346	1.24
PK	15.60376G	58.09	74.00	-15.91	18.56	3	Horizontal	346	1.24

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

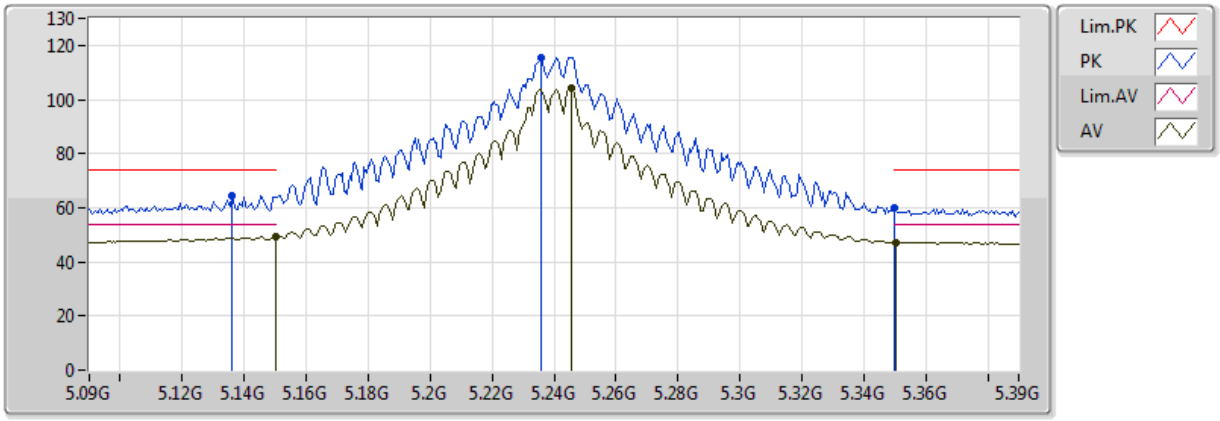


20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	49.62	54.00	-4.38	9.76	3	Vertical	164	2.68
AV	5.2358G	107.33	Inf	-Inf	9.93	3	Vertical	164	2.68
AV	5.3504G	47.41	54.00	-6.59	10.09	3	Vertical	164	2.68
PK	5.1356G	66.49	74.00	-7.51	9.73	3	Vertical	164	2.68
PK	5.2358G	119.16	Inf	-Inf	9.93	3	Vertical	164	2.68
PK	5.3822G	59.78	74.00	-14.22	10.13	3	Vertical	164	2.68

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX



20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	49.52	54.00	-4.48	9.76	3	Horizontal	312	2.38
AV	5.2454G	104.26	Inf	-Inf	9.94	3	Horizontal	312	2.38
AV	5.3504G	47.25	54.00	-6.75	10.09	3	Horizontal	312	2.38
PK	5.1362G	64.32	74.00	-9.68	9.73	3	Horizontal	312	2.38
PK	5.2358G	115.66	Inf	-Inf	9.93	3	Horizontal	312	2.38
PK	5.350005G	59.68	74.00	-14.32	10.09	3	Horizontal	312	2.38

802.11a_Nss1,(6Mbps)_2TX

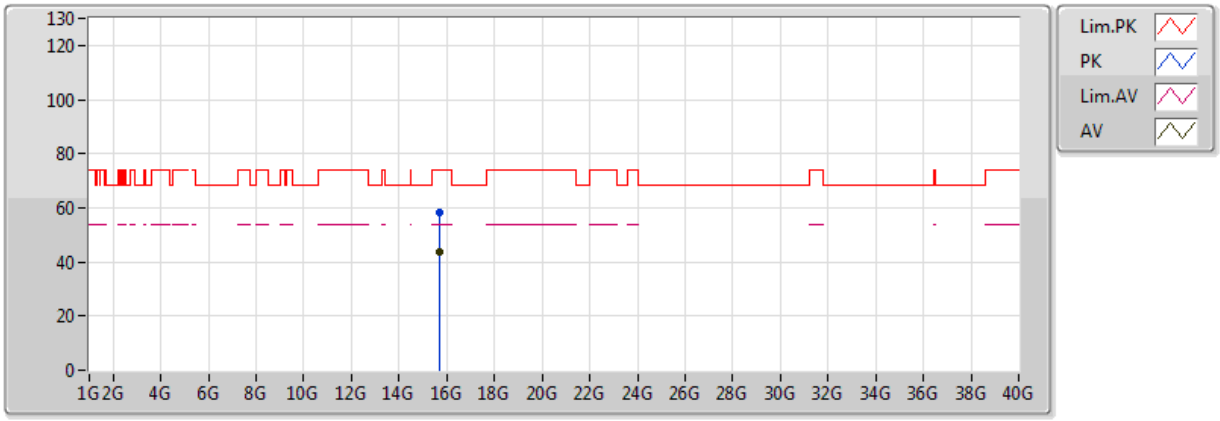
5240MHz_TX

20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.71424G	43.54	54.00	-10.46	18.32	3	Vertical	259	1.66
PK	15.71884G	57.60	74.00	-16.40	18.31	3	Vertical	259	1.66

802.11a_Nss1,(6Mbps)_2TX

5240MHz_TX

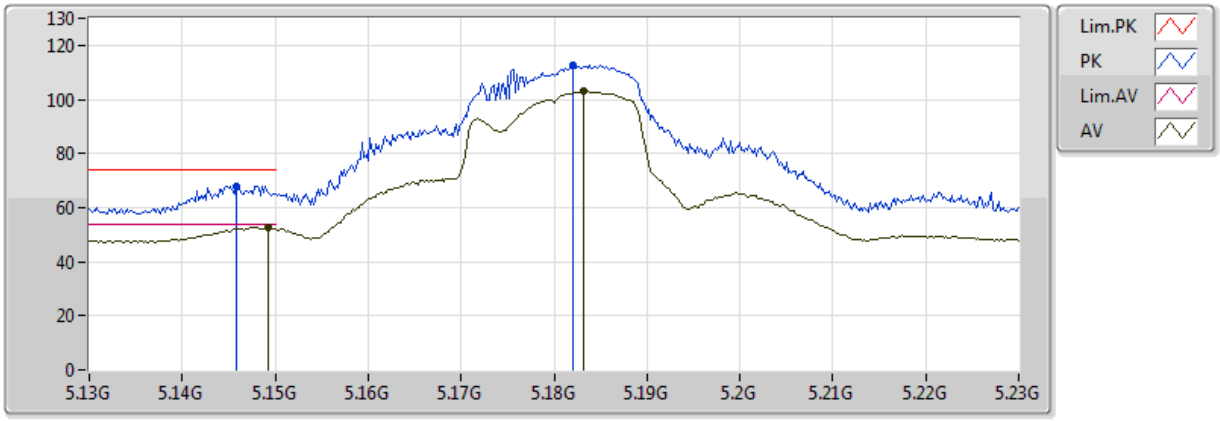


20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.71552G	43.60	54.00	-10.40	18.32	3	Horizontal	310	1.29
PK	15.71436G	58.04	74.00	-15.96	18.32	3	Horizontal	310	1.29

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

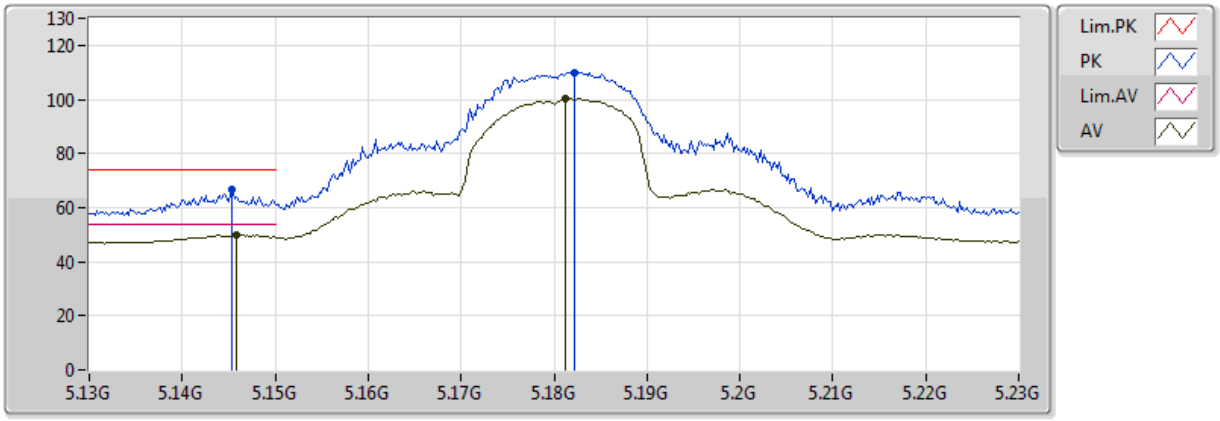


20170929
EUT Z_2TX
Setting 17
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1492G	52.84	54.00	-1.16	9.76	3	Vertical	305	1.01
AV	5.1832G	103.00	Inf	-Inf	9.84	3	Vertical	305	1.01
PK	5.1458G	68.07	74.00	-5.93	9.76	3	Vertical	305	1.01
PK	5.182G	112.84	Inf	-Inf	9.84	3	Vertical	305	1.01

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

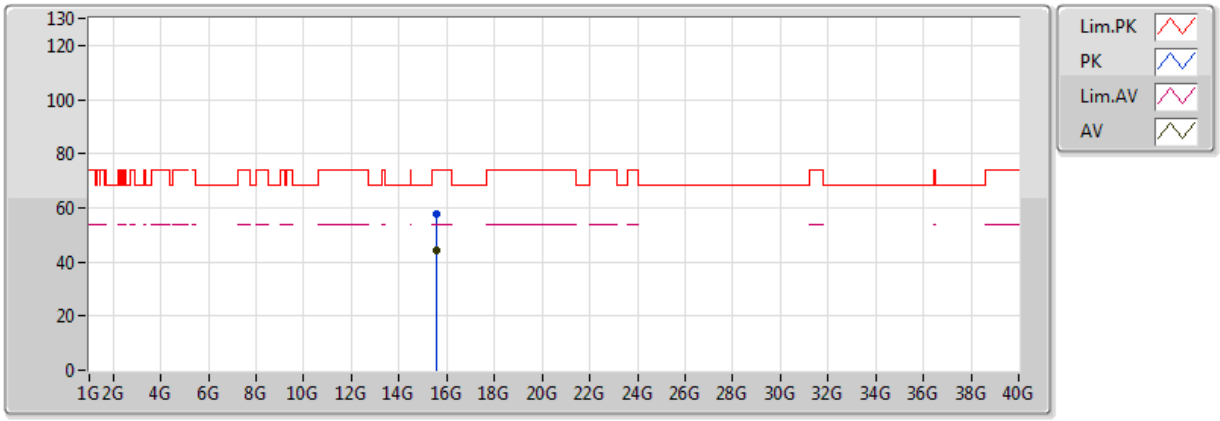


20170929
EUT Z_2TX
Setting 17
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1458G	49.82	54.00	-4.18	9.76	3	Horizontal	284	2.48
AV	5.1812G	100.35	Inf	-Inf	9.84	3	Horizontal	284	2.48
PK	5.1454G	66.50	74.00	-7.50	9.75	3	Horizontal	284	2.48
PK	5.1822G	109.81	Inf	-Inf	9.84	3	Horizontal	284	2.48

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

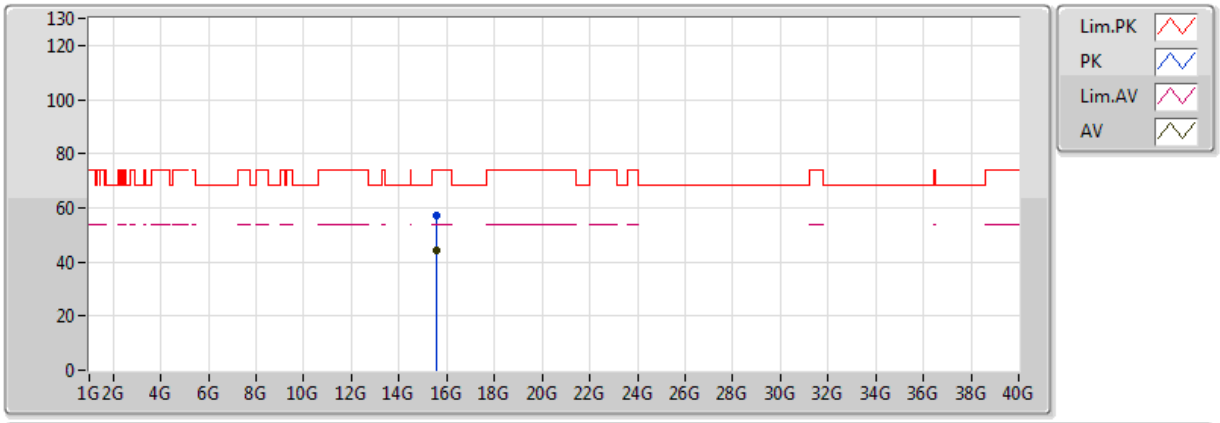


20170929
EUT Z_2TX
Setting 17
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.5494G	44.35	54.00	-9.65	18.68	3	Vertical	6	1.88
PK	15.54032G	57.44	74.00	-16.56	18.70	3	Vertical	6	1.88

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

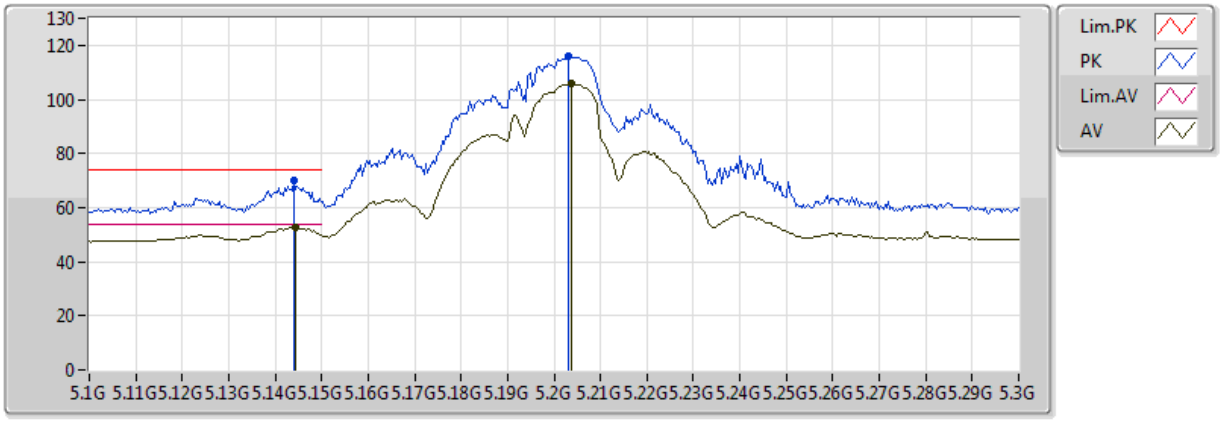


20170929
EUT Z_2TX
Setting 17
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.53932G	44.24	54.00	-9.76	18.70	3	Horizontal	121	1.64
PK	15.54484G	57.34	74.00	-16.66	18.69	3	Horizontal	121	1.64

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

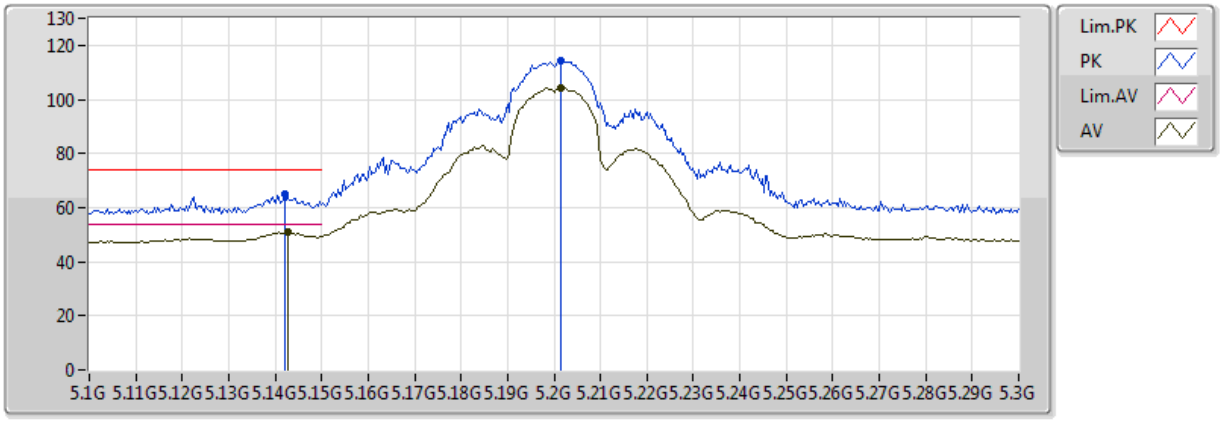


20170929
EUT Z_2TX
Setting 24
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1444G	52.90	54.00	-1.10	9.75	3	Vertical	297	1.06
AV	5.2036G	105.73	Inf	-Inf	9.89	3	Vertical	297	1.06
PK	5.144G	69.81	74.00	-4.19	9.75	3	Vertical	297	1.06
PK	5.2032G	116.26	Inf	-Inf	9.88	3	Vertical	297	1.06

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX



20170929
EUT Z_2TX
Setting 24
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1428G	50.82	54.00	-3.18	9.75	3	Horizontal	282	2.60
AV	5.2016G	104.27	Inf	-Inf	9.88	3	Horizontal	282	2.60
PK	5.142G	64.97	74.00	-9.03	9.75	3	Horizontal	282	2.60
PK	5.2016G	114.18	Inf	-Inf	9.88	3	Horizontal	282	2.60

802.11n HT20_Nss1,(MCS0)_2TX

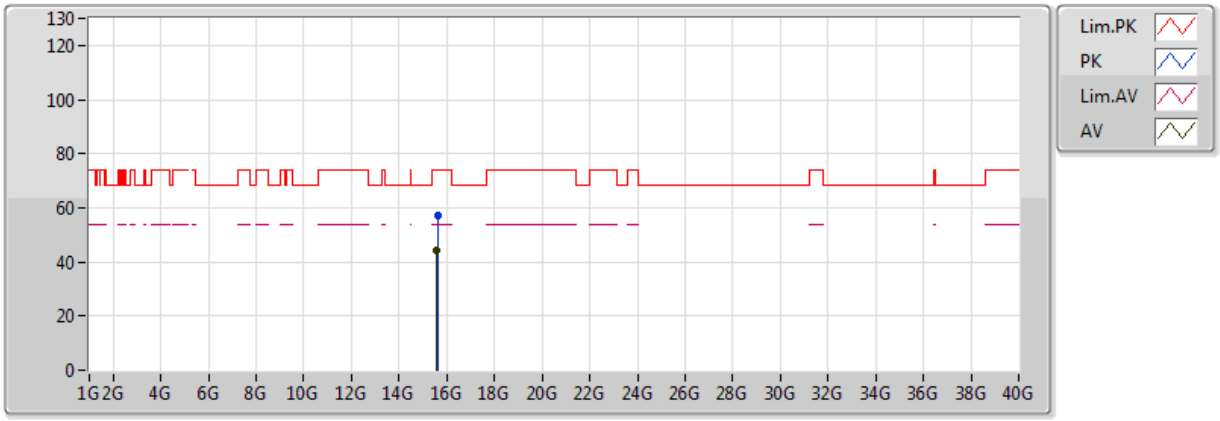
5200MHz_TX

20170929
EUT Z_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.60336G	44.06	54.00	-9.94	18.56	3	Vertical	121	1.91
PK	15.59296G	57.21	74.00	-16.79	18.59	3	Vertical	121	1.91

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

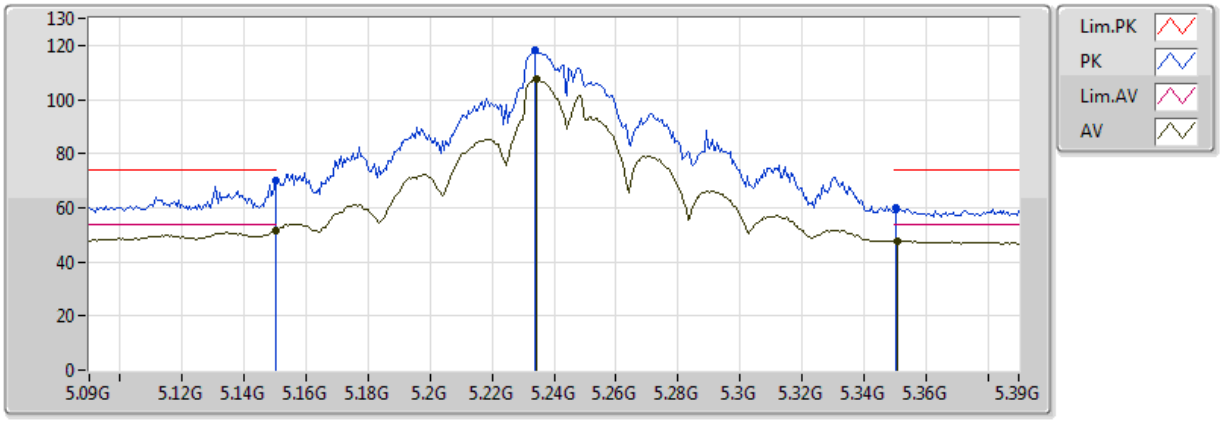


20170929
EUT Z_2TX
Setting 24
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.59596G	44.04	54.00	-9.96	18.58	3	Horizontal	245	1.92
PK	15.60472G	57.18	74.00	-16.82	18.56	3	Horizontal	245	1.92

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

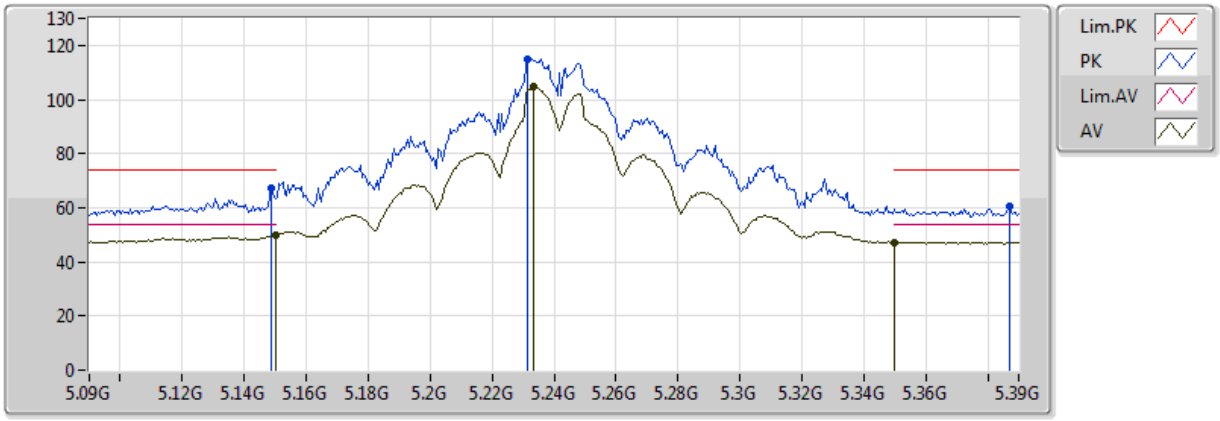


20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	51.73	54.00	-2.27	9.76	3	Vertical	297	1.09
AV	5.2346G	107.41	Inf	-Inf	9.93	3	Vertical	297	1.09
AV	5.351G	47.71	54.00	-6.29	10.09	3	Vertical	297	1.09
PK	5.149995G	70.12	74.00	-3.88	9.76	3	Vertical	297	1.09
PK	5.234G	118.45	Inf	-Inf	9.93	3	Vertical	297	1.09
PK	5.3504G	60.12	74.00	-13.88	10.09	3	Vertical	297	1.09

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

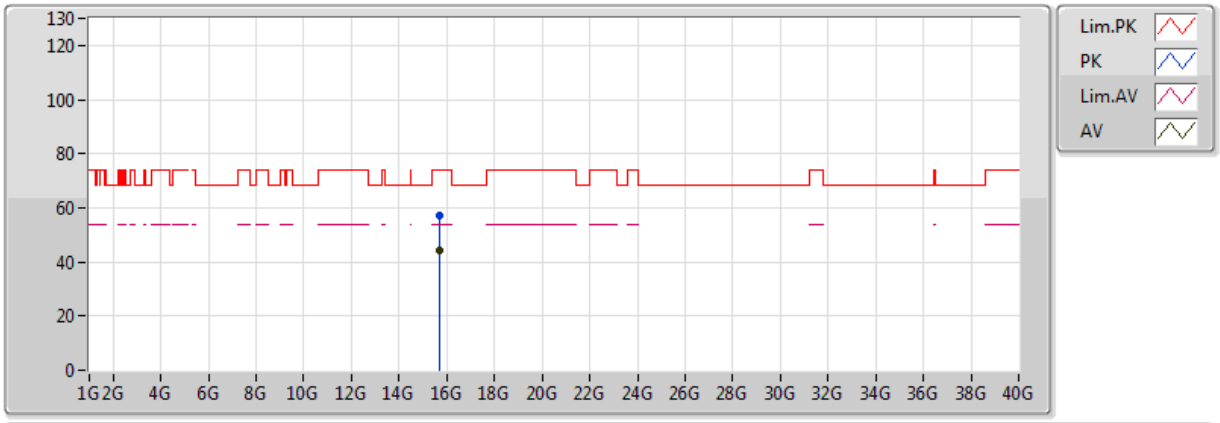


20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	49.94	54.00	-4.06	9.76	3	Horizontal	287	1.02
AV	5.2334G	104.64	Inf	-Inf	9.93	3	Horizontal	287	1.02
AV	5.350005G	47.30	54.00	-6.70	10.09	3	Horizontal	287	1.02
PK	5.1488G	67.13	74.00	-6.87	9.76	3	Horizontal	287	1.02
PK	5.2316G	114.96	Inf	-Inf	9.92	3	Horizontal	287	1.02
PK	5.387G	60.76	74.00	-13.24	10.13	3	Horizontal	287	1.02

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

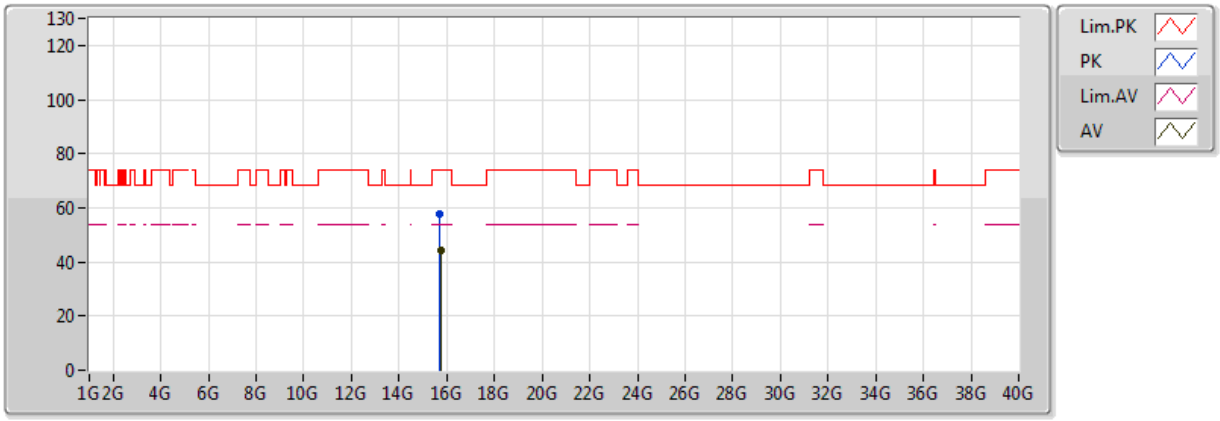


20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.71488G	44.18	54.00	-9.82	18.32	3	Vertical	311	1.19
PK	15.71068G	57.26	74.00	-16.74	18.33	3	Vertical	311	1.19

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

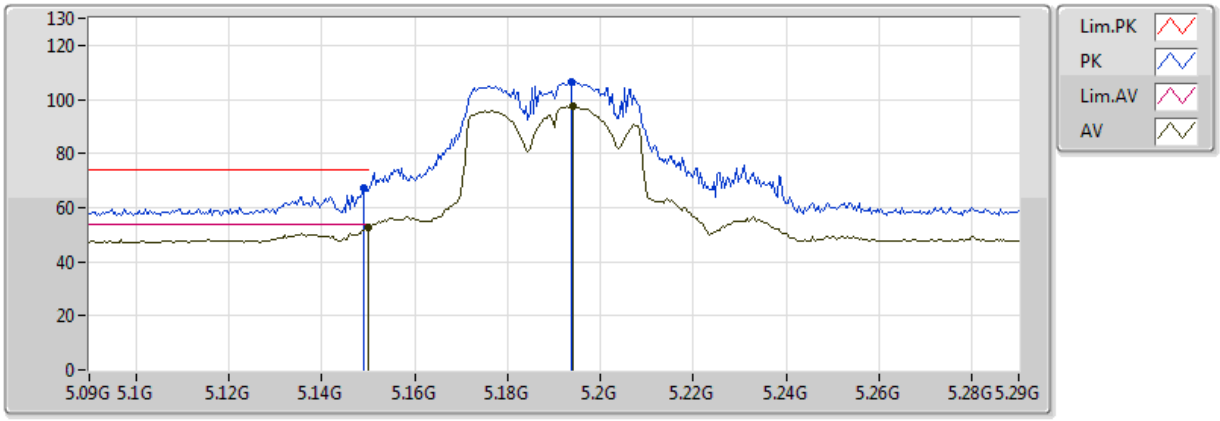


20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.7294G	44.18	54.00	-9.82	18.29	3	Horizontal	300	2.14
PK	15.7274G	57.89	74.00	-16.11	18.30	3	Horizontal	300	2.14

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

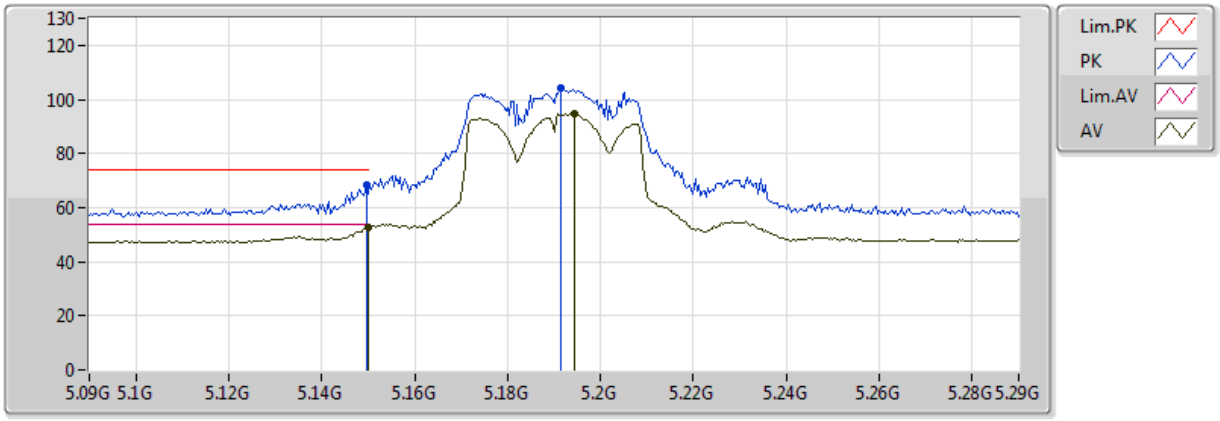


20170929
EUT Z_2TX
Setting 14
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	52.82	54.00	-1.18	9.76	3	Vertical	310	1.06
AV	5.194G	97.33	Inf	-Inf	9.87	3	Vertical	310	1.06
PK	5.1492G	67.02	74.00	-6.98	9.76	3	Vertical	310	1.06
PK	5.1936G	106.36	Inf	-Inf	9.87	3	Vertical	310	1.06

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

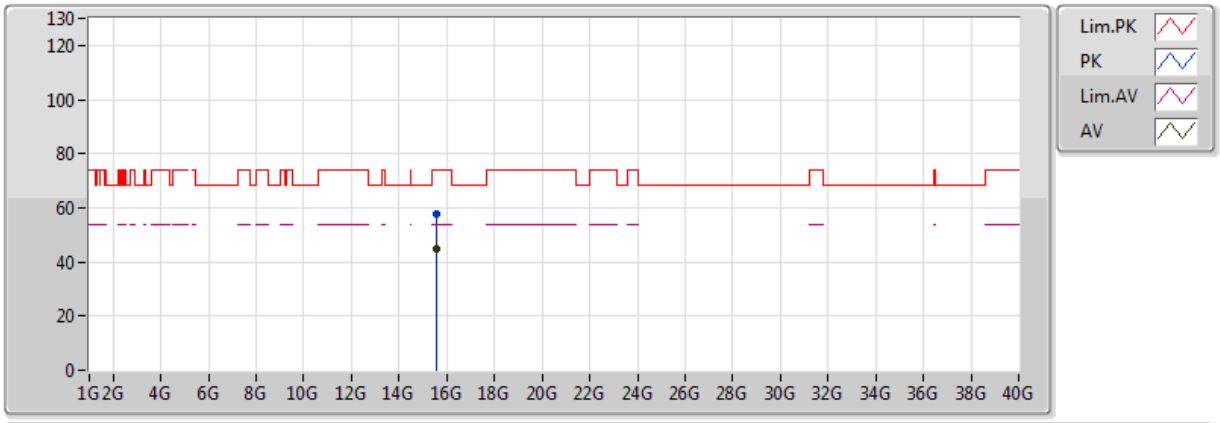


20170929
EUT Z_2TX
Setting 14
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	52.56	54.00	-1.44	9.76	3	Horizontal	293	2.51
AV	5.1944G	94.60	Inf	-Inf	9.87	3	Horizontal	293	2.51
PK	5.1496G	68.26	74.00	-5.74	9.76	3	Horizontal	293	2.51
PK	5.1916G	104.18	Inf	-Inf	9.86	3	Horizontal	293	2.51

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

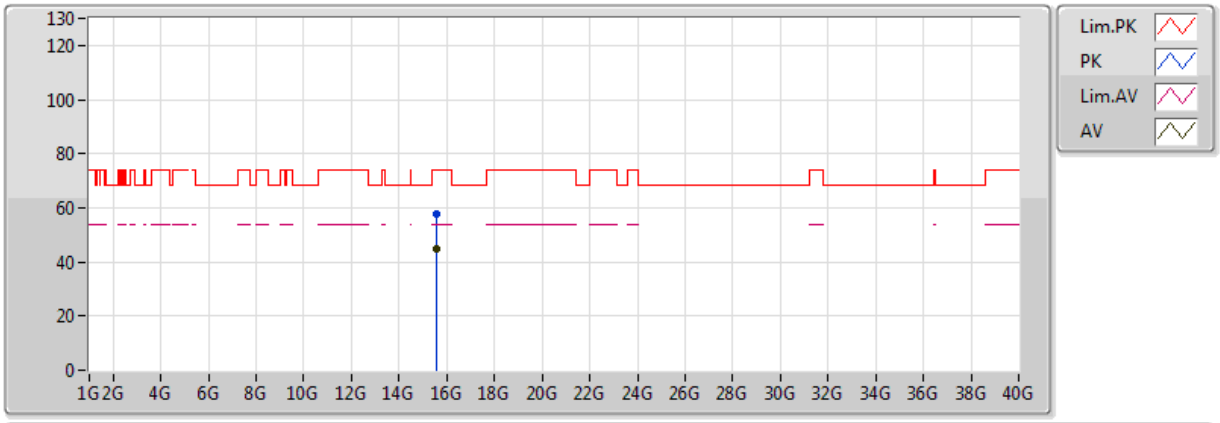


20170929
EUT Z_2TX
Setting 14
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.56396G	44.95	54.00	-9.05	18.65	3	Vertical	211	1.43
PK	15.5624G	57.58	74.00	-16.42	18.65	3	Vertical	211	1.43

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

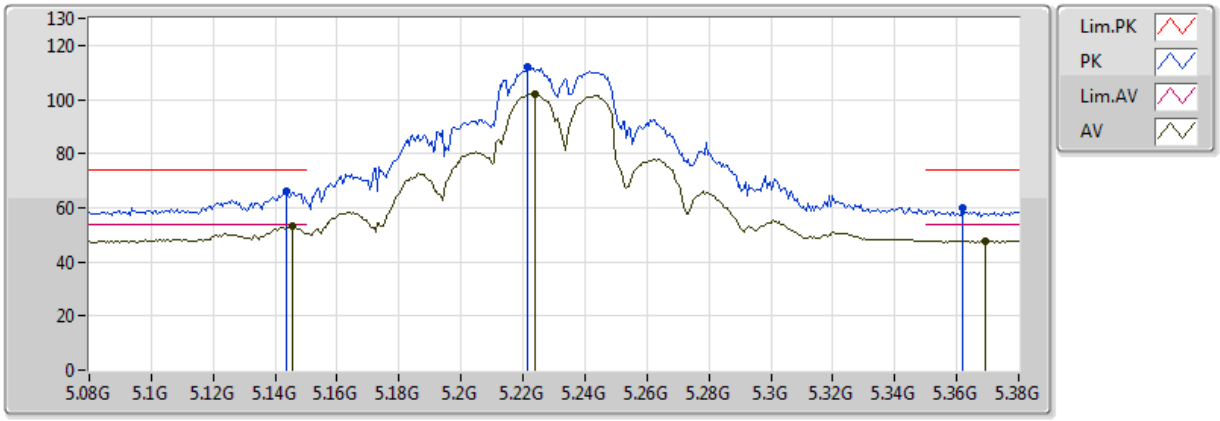


20170929
EUT Z_2TX
Setting 14
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.56248G	45.01	54.00	-8.99	18.65	3	Horizontal	355	1.00
PK	15.5756G	57.49	74.00	-16.51	18.62	3	Horizontal	355	1.00

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

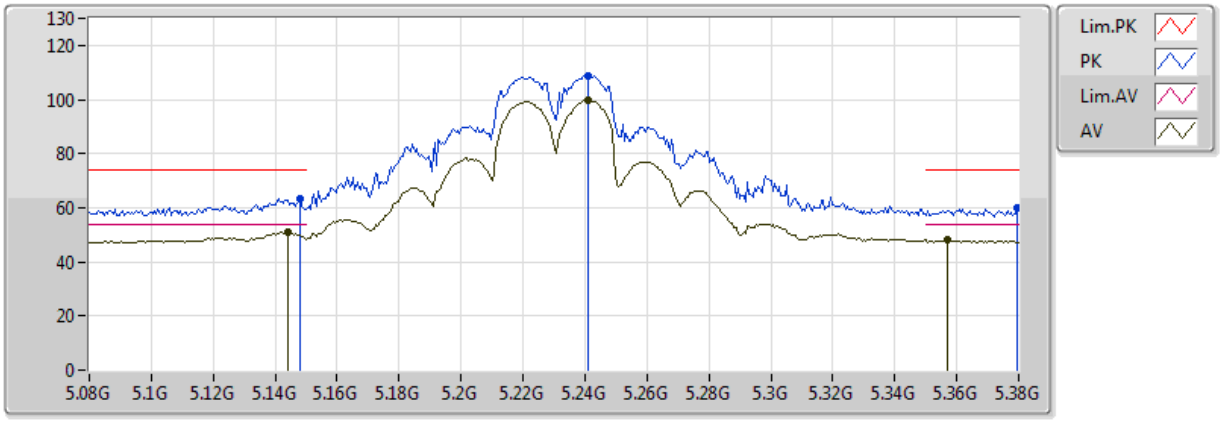


20170929
EUT Z_2TX
Setting 21
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1454G	52.97	54.00	-1.03	9.75	3	Vertical	303	1.05
AV	5.224G	101.86	Inf	-Inf	9.91	3	Vertical	303	1.05
AV	5.3692G	47.85	54.00	-6.15	10.11	3	Vertical	303	1.05
PK	5.1436G	66.30	74.00	-7.70	9.75	3	Vertical	303	1.05
PK	5.2216G	111.99	Inf	-Inf	9.91	3	Vertical	303	1.05
PK	5.362G	59.68	74.00	-14.32	10.10	3	Vertical	303	1.05

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

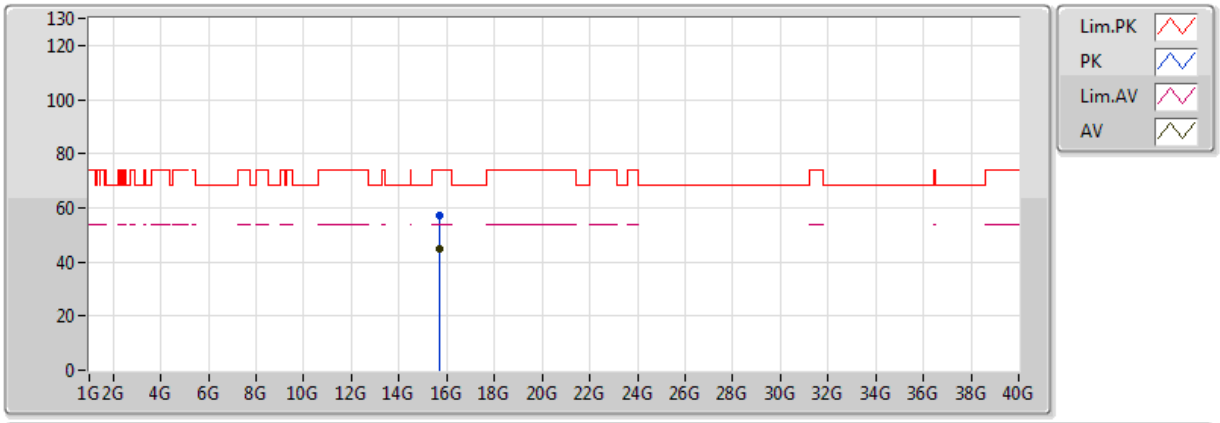


20170929
EUT Z_2TX
Setting 21
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1442G	50.96	54.00	-3.04	9.75	3	Horizontal	289	2.36
AV	5.2408G	99.90	Inf	-Inf	9.94	3	Horizontal	289	2.36
AV	5.3572G	47.92	54.00	-6.08	10.09	3	Horizontal	289	2.36
PK	5.1478G	63.44	74.00	-10.56	9.76	3	Horizontal	289	2.36
PK	5.2408G	108.86	Inf	-Inf	9.94	3	Horizontal	289	2.36
PK	5.3794G	59.70	74.00	-14.30	10.12	3	Horizontal	289	2.36

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX



20170929
EUT Z_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.69068G	44.71	54.00	-9.29	18.38	3	Vertical	13	2.10
PK	15.69292G	56.96	74.00	-17.04	18.37	3	Vertical	13	2.10

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

20170929
EUT Z_2TX
Setting 21
02-J-6
FSU

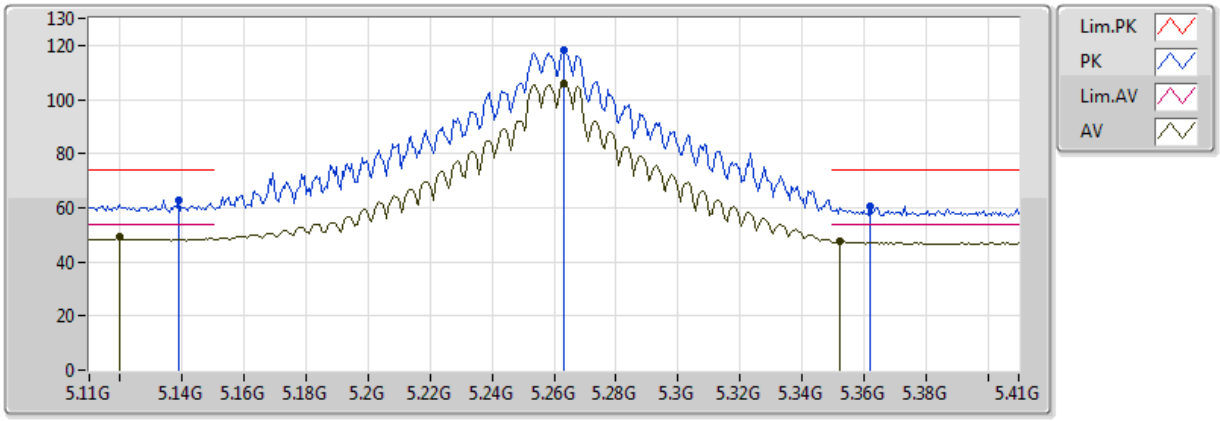
Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.68032G	44.72	54.00	-9.28	18.40	3	Horizontal	174	1.67
PK	15.6992G	56.95	74.00	-17.05	18.36	3	Horizontal	174	1.67

Test Mode: Mode 1-Radio 3 (B2)
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.3508G	52.96	54.00	-1.04	10.09	3	Vertical	320	1.02	-

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

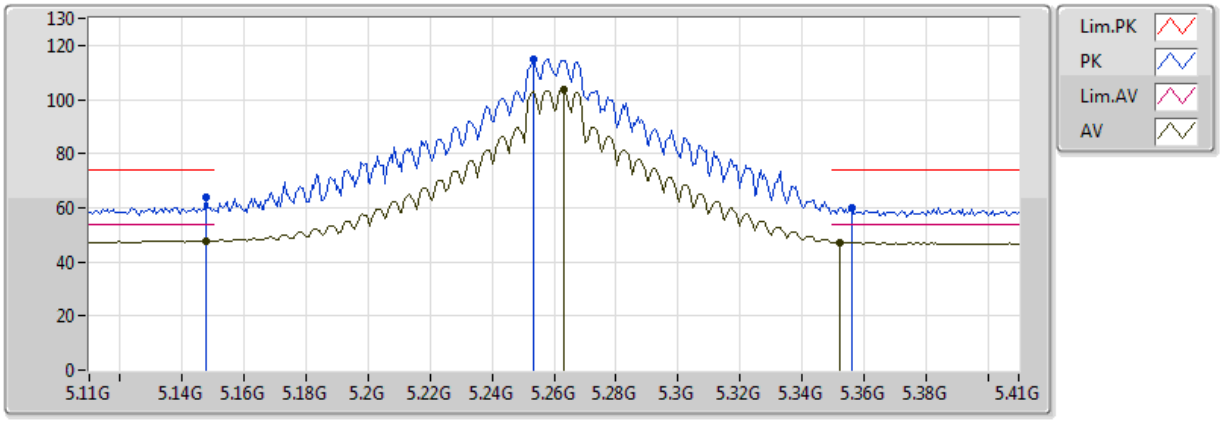


20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1196G	49.24	54.00	-4.76	9.70	3	Vertical	325	1.01
AV	5.263G	105.81	Inf	-Inf	9.97	3	Vertical	325	1.01
AV	5.3524G	47.47	54.00	-6.53	10.09	3	Vertical	325	1.01
PK	5.1388G	62.98	74.00	-11.02	9.74	3	Vertical	325	1.01
PK	5.263G	118.02	Inf	-Inf	9.97	3	Vertical	325	1.01
PK	5.362G	60.58	74.00	-13.42	10.10	3	Vertical	325	1.01

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX



20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.1478G	47.90	54.00	-6.10	9.76	3	Horizontal	313	2.55
AV	5.263G	103.46	Inf	-Inf	9.97	3	Horizontal	313	2.55
AV	5.3524G	47.33	54.00	-6.67	10.09	3	Horizontal	313	2.55
PK	5.1478G	63.82	74.00	-10.18	9.76	3	Horizontal	313	2.55
PK	5.2534G	115.00	Inf	-Inf	9.95	3	Horizontal	313	2.55
PK	5.356G	60.21	74.00	-13.79	10.09	3	Horizontal	313	2.55

802.11a_Nss1,(6Mbps)_2TX

5260MHz_TX

20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.77512G	43.40	54.00	-10.60	18.19	3	Vertical	274	1.13
PK	15.7806G	57.26	74.00	-16.74	18.18	3	Vertical	274	1.13

802.11a_Nss1,(6Mbps)_2TX

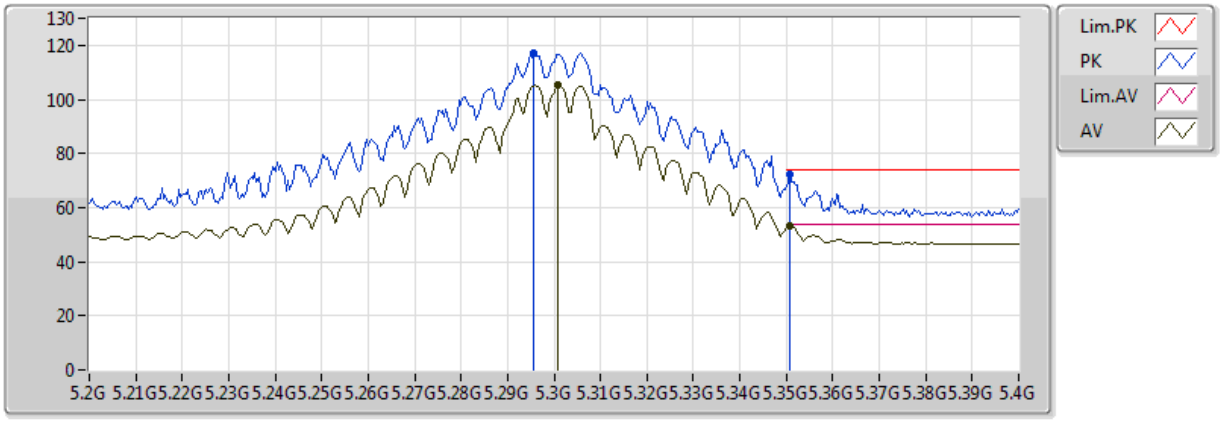
5260MHz_TX

20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.77088G	43.37	54.00	-10.63	18.20	3	Horizontal	68	1.46
PK	15.77064G	57.41	74.00	-16.59	18.20	3	Horizontal	68	1.46

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

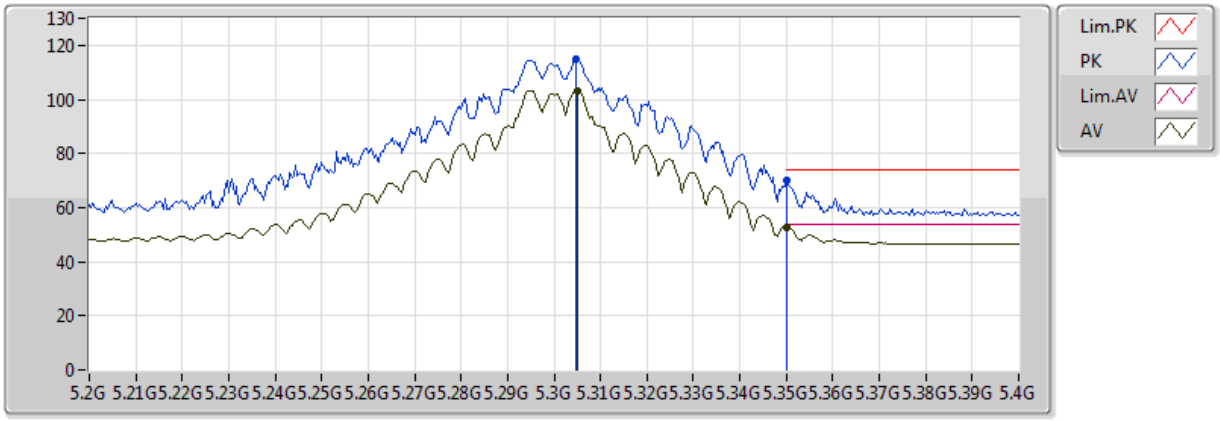


20170929
EUT Z_2TX
Setting 29
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3008G	105.17	Inf	-Inf	10.02	3	Vertical	320	1.02
AV	5.3508G	52.96	54.00	-1.04	10.09	3	Vertical	320	1.02
PK	5.2956G	117.07	Inf	-Inf	10.01	3	Vertical	320	1.02
PK	5.3508G	72.14	74.00	-1.86	10.09	3	Vertical	320	1.02

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

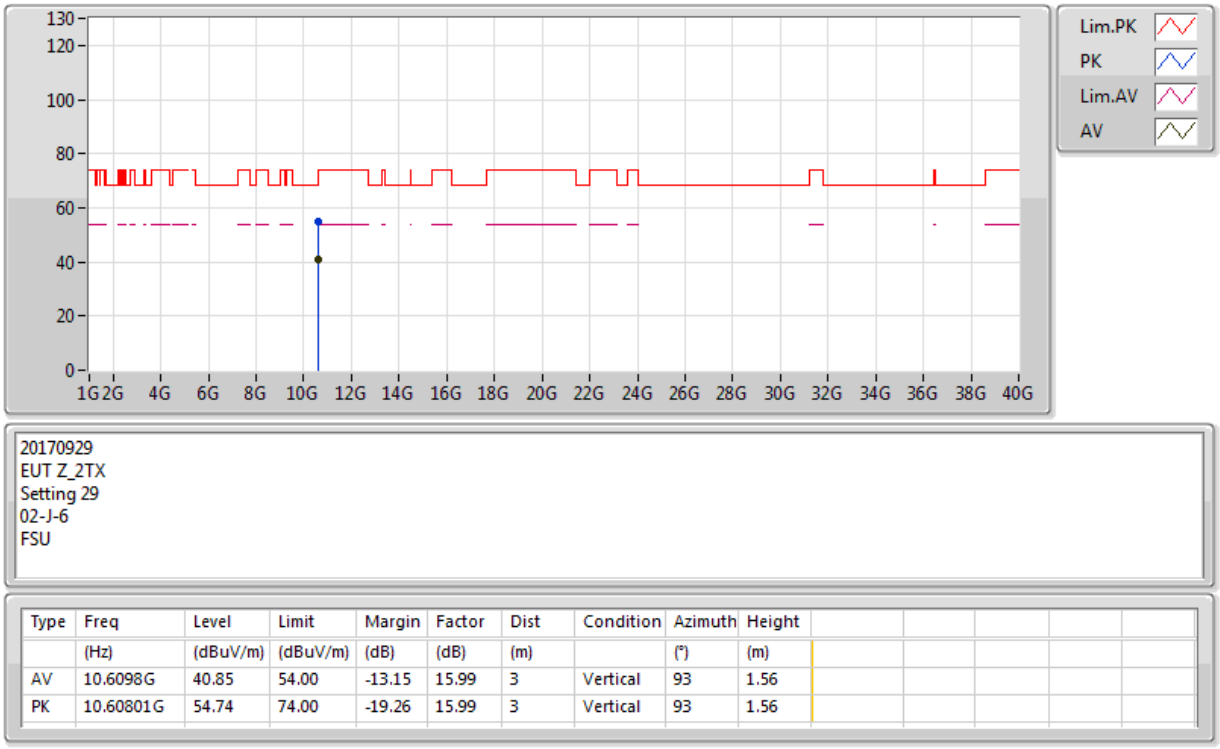


20170929
EUT Z_2TX
Setting 29
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3052G	103.30	Inf	-Inf	10.03	3	Horizontal	298	2.64
AV	5.350005G	52.83	54.00	-1.17	10.09	3	Horizontal	298	2.64
PK	5.3048G	114.72	Inf	-Inf	10.03	3	Horizontal	298	2.64
PK	5.350005G	70.00	74.00	-4.00	10.09	3	Horizontal	298	2.64

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

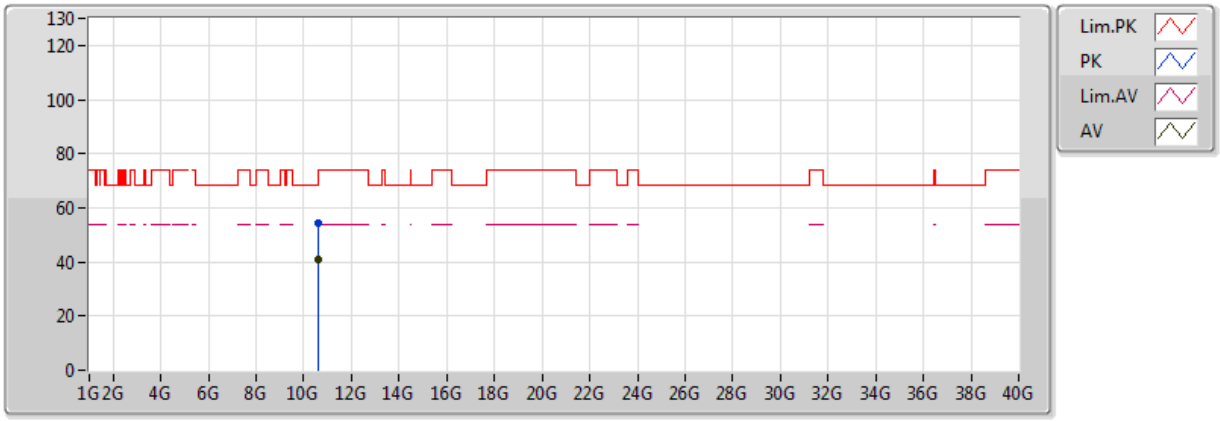


20170929
EUT Z_2TX
Setting 29
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	10.6098G	40.85	54.00	-13.15	15.99	3	Vertical	93	1.56
PK	10.60801G	54.74	74.00	-19.26	15.99	3	Vertical	93	1.56

802.11a_Nss1,(6Mbps)_2TX

5300MHz_TX

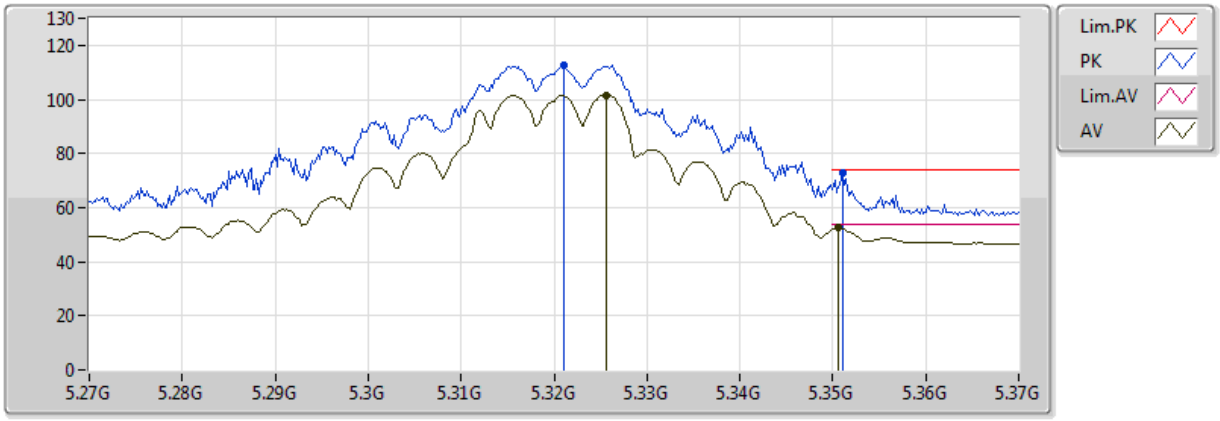


20170929
EUT Z_2TX
Setting 29
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	10.60791G	40.80	54.00	-13.20	15.99	3	Horizontal	126	2.46
PK	10.60968G	54.59	74.00	-19.41	15.99	3	Horizontal	126	2.46

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

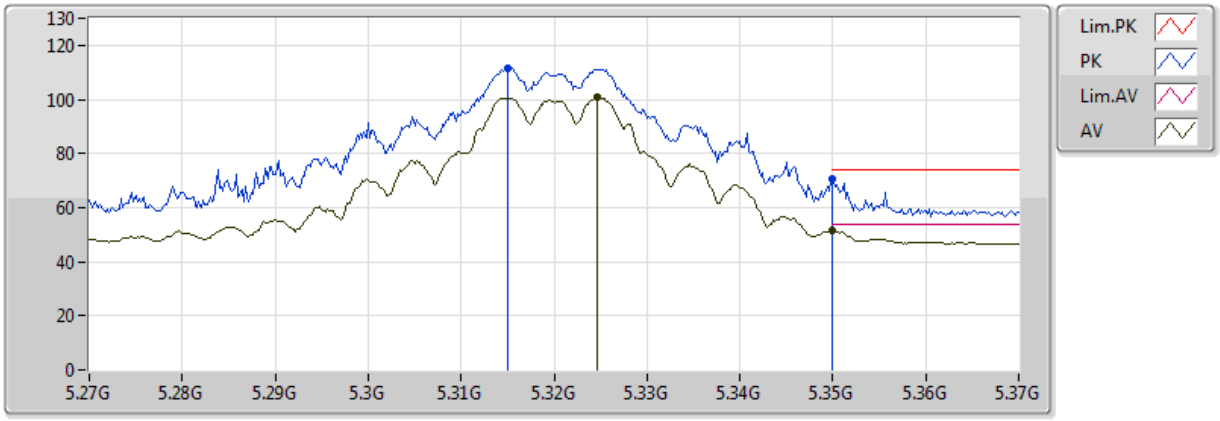


20170929
EUT Z_2TX
Setting 20.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3256G	101.55	Inf	-Inf	10.05	3	Vertical	308	1.01
AV	5.3506G	52.67	54.00	-1.33	10.09	3	Vertical	308	1.01
PK	5.321G	112.55	Inf	-Inf	10.05	3	Vertical	308	1.01
PK	5.351G	72.64	74.00	-1.36	10.09	3	Vertical	308	1.01

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX

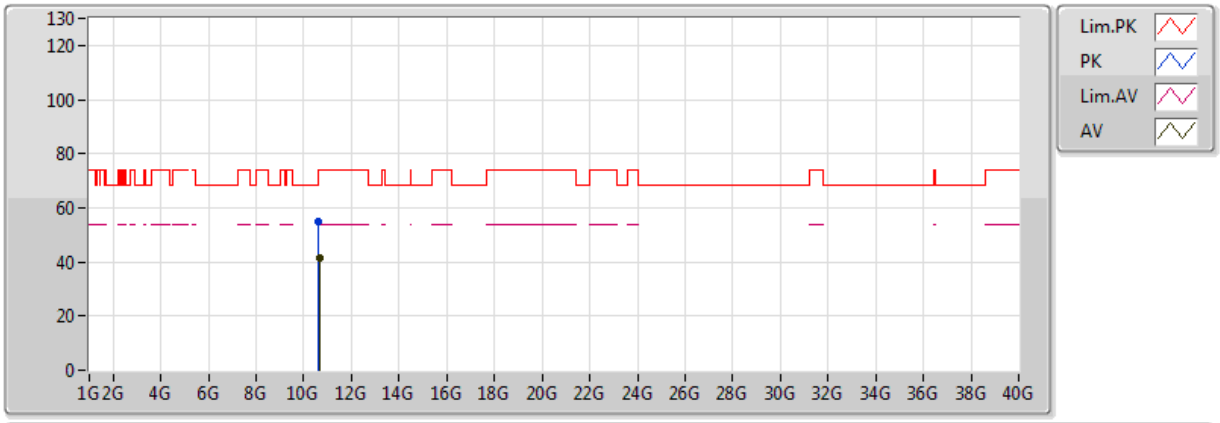


20170929
EUT Z_2TX
Setting 20.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3246G	100.74	Inf	-Inf	10.05	3	Horizontal	292	2.64
AV	5.350005G	51.39	54.00	-2.61	10.09	3	Horizontal	292	2.64
PK	5.315G	111.65	Inf	-Inf	10.04	3	Horizontal	292	2.64
PK	5.350005G	70.75	74.00	-3.25	10.09	3	Horizontal	292	2.64

802.11a_Nss1,(6Mbps)_2TX

5320MHz_TX



20170929
EUT Z_2TX
Setting 20.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	10.63972G	41.28	54.00	-12.72	15.99	3	Vertical	186	2.38
PK	10.63808G	54.89	74.00	-19.11	15.99	3	Vertical	186	2.38

802.11a_Nss1,(6Mbps)_2TX

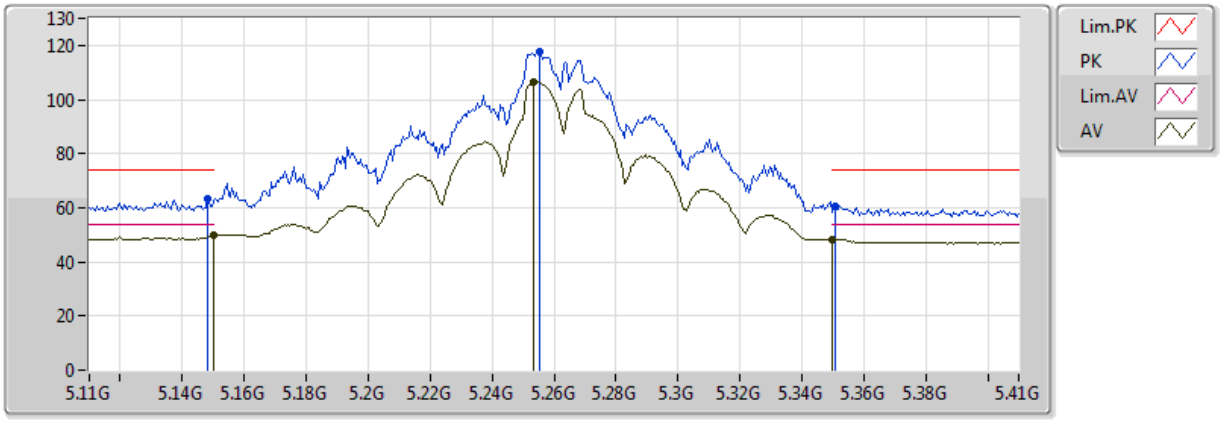
5320MHz_TX

20170929
EUT Z_2TX
Setting 20.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	10.6394G	41.27	54.00	-12.73	15.99	3	Horizontal	18	1.36
PK	10.64412G	55.14	74.00	-18.86	15.99	3	Horizontal	18	1.36

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

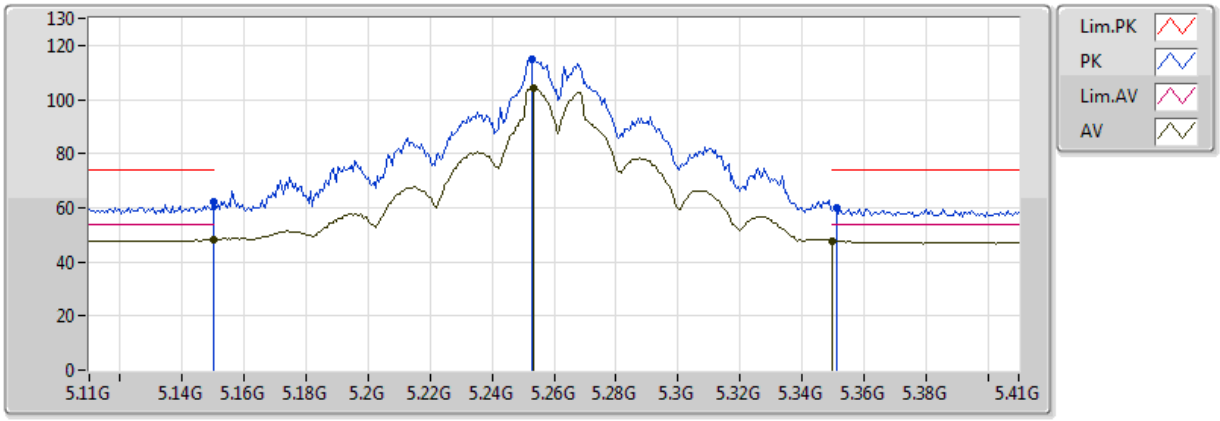


20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	49.79	54.00	-4.21	9.76	3	Vertical	322	1.04
AV	5.2534G	106.43	Inf	-Inf	9.95	3	Vertical	322	1.04
AV	5.350005G	48.35	54.00	-5.65	10.09	3	Vertical	322	1.04
PK	5.1484G	63.15	74.00	-10.85	9.76	3	Vertical	322	1.04
PK	5.2552G	117.57	Inf	-Inf	9.96	3	Vertical	322	1.04
PK	5.3506G	60.68	74.00	-13.32	10.09	3	Vertical	322	1.04

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

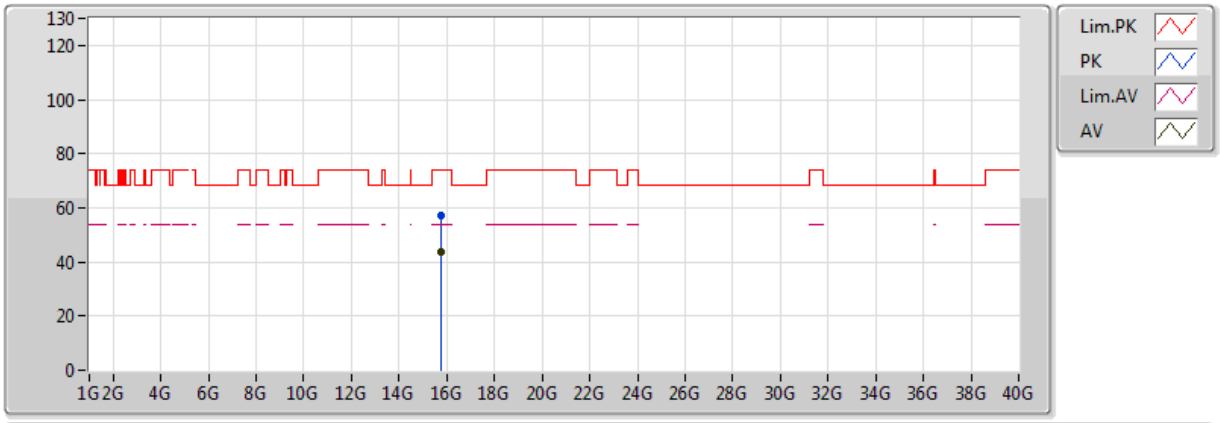


20170929
EUT Z_2TX
Setting 31.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.149995G	48.37	54.00	-5.63	9.76	3	Horizontal	312	1.05
AV	5.2534G	104.14	Inf	-Inf	9.95	3	Horizontal	312	1.05
AV	5.350005G	47.86	54.00	-6.14	10.09	3	Horizontal	312	1.05
PK	5.149995G	62.04	74.00	-11.96	9.76	3	Horizontal	312	1.05
PK	5.2528G	114.81	Inf	-Inf	9.95	3	Horizontal	312	1.05
PK	5.3512G	59.87	74.00	-14.13	10.09	3	Horizontal	312	1.05

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

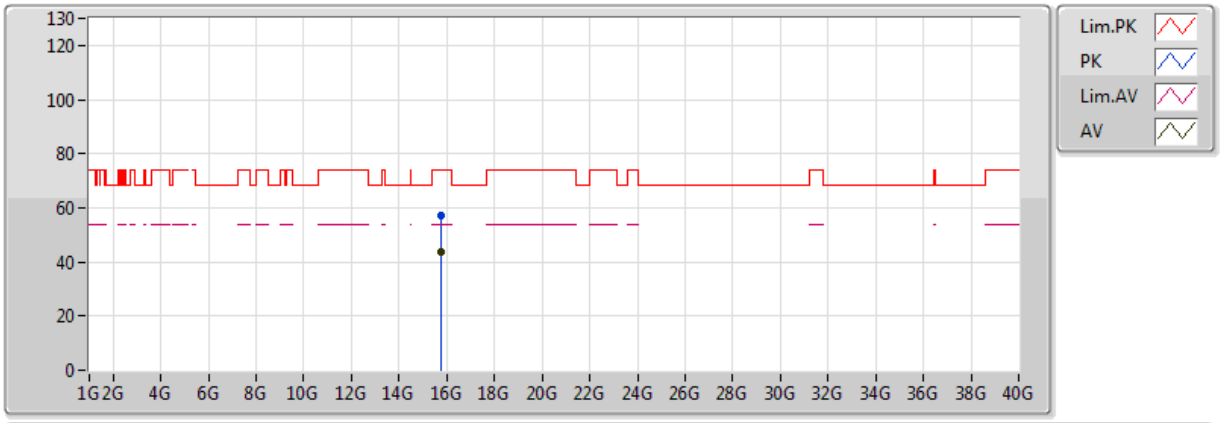


20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.7736G	43.84	54.00	-10.16	18.20	3	Vertical	139	1.57
PK	15.78436G	57.28	74.00	-16.72	18.17	3	Vertical	139	1.57

802.11n HT20_Nss1,(MCS0)_2TX

5260MHz_TX

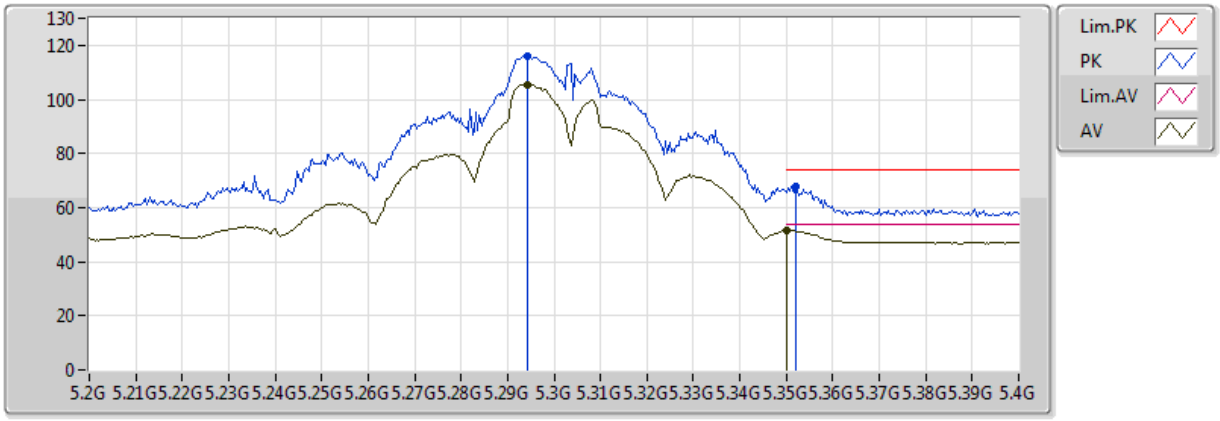


20170929
EUT Z_2TX
Setting 31.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.77248G	43.80	54.00	-10.20	18.20	3	Horizontal	6	1.63
PK	15.78172G	57.00	74.00	-17.00	18.18	3	Horizontal	6	1.63

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX

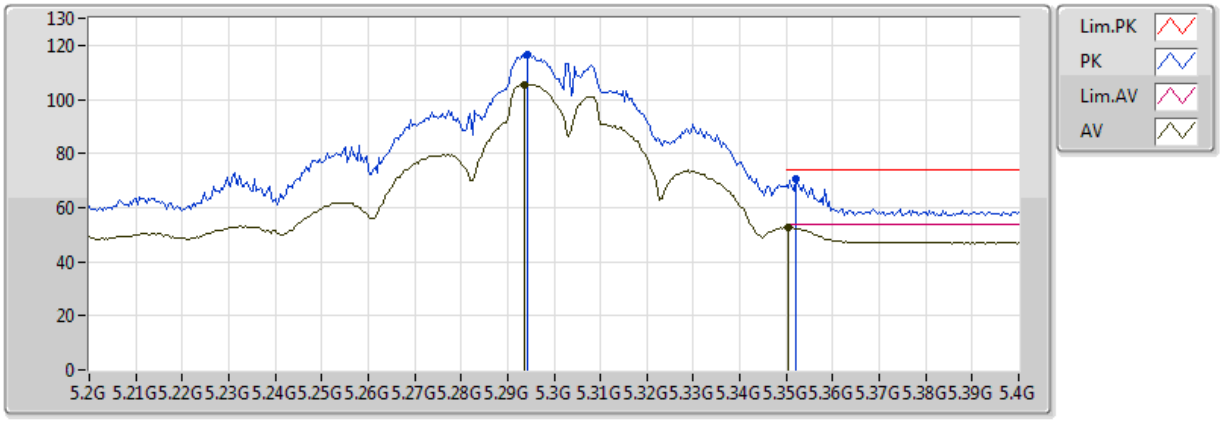


20170929
EUT Z_2TX
Setting 28
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.2944G	105.41	Inf	-Inf	10.01	3	Vertical	317	1.05
AV	5.350005G	51.71	54.00	-2.29	10.09	3	Vertical	317	1.05
PK	5.2944G	116.11	Inf	-Inf	10.01	3	Vertical	317	1.05
PK	5.352G	67.98	74.00	-6.02	10.09	3	Vertical	317	1.05

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX



20170929
EUT Z_2TX
Setting 28
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.2936G	105.55	Inf	-Inf	10.01	3	Horizontal	315	1.01
AV	5.3504G	52.63	54.00	-1.37	10.09	3	Horizontal	315	1.01
PK	5.2944G	116.48	Inf	-Inf	10.01	3	Horizontal	315	1.01
PK	5.352G	70.81	74.00	-3.19	10.09	3	Horizontal	315	1.01

802.11n HT20_Nss1,(MCS0)_2TX

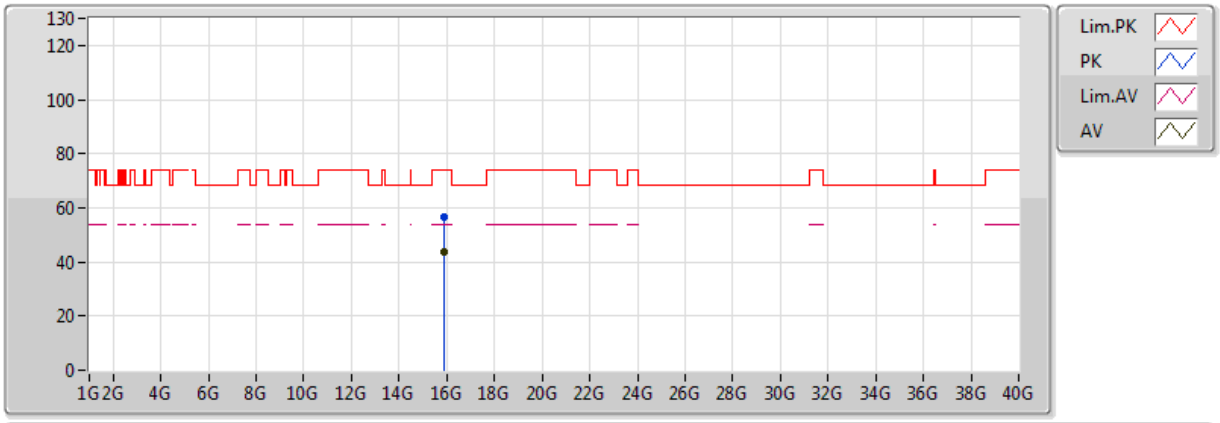
5300MHz_TX

20170929
EUT Z_2TX
Setting 28
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.90524G	43.69	54.00	-10.31	17.91	3	Vertical	200	1.22
PK	15.89032G	56.88	74.00	-17.12	17.95	3	Vertical	200	1.22

802.11n HT20_Nss1,(MCS0)_2TX

5300MHz_TX

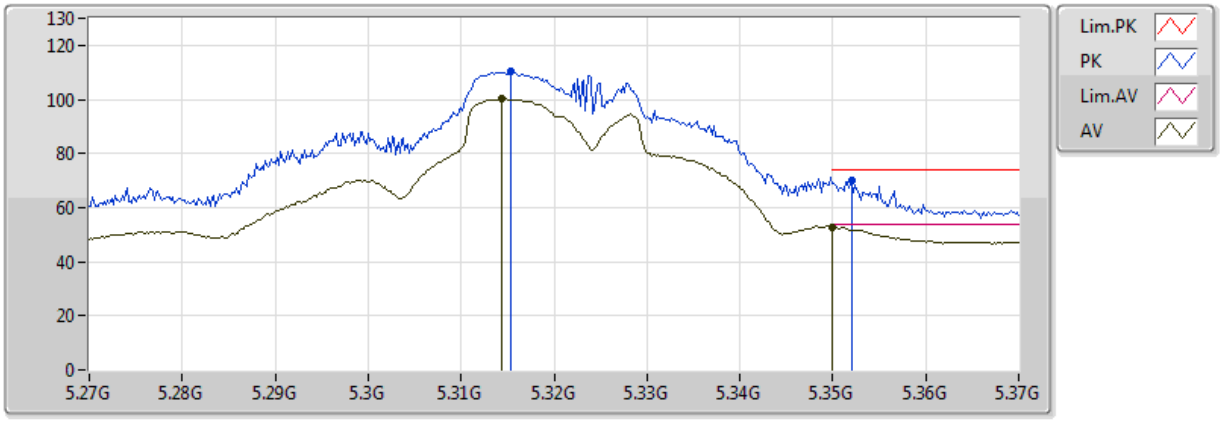


20170929
EUT Z_2TX
Setting 28
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.90816G	43.76	54.00	-10.24	17.91	3	Horizontal	149	1.03
PK	15.90804G	56.68	74.00	-17.32	17.91	3	Horizontal	149	1.03

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

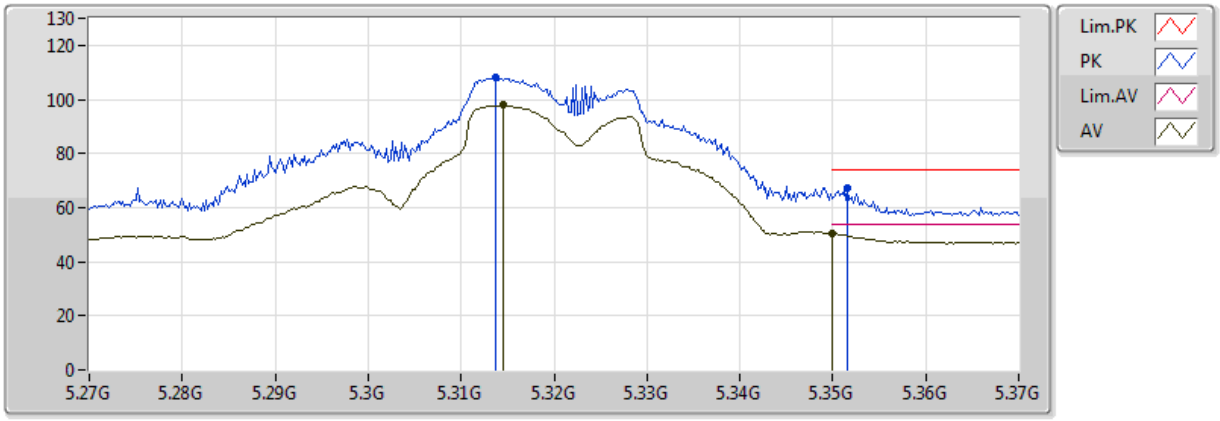


20170929
EUT Z_2TX
Setting 21.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3144G	100.33	Inf	-Inf	10.04	3	Vertical	329	1.05
AV	5.350005G	52.67	54.00	-1.33	10.09	3	Vertical	329	1.05
PK	5.3154G	110.47	Inf	-Inf	10.04	3	Vertical	329	1.05
PK	5.352G	70.08	74.00	-3.92	10.09	3	Vertical	329	1.05

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

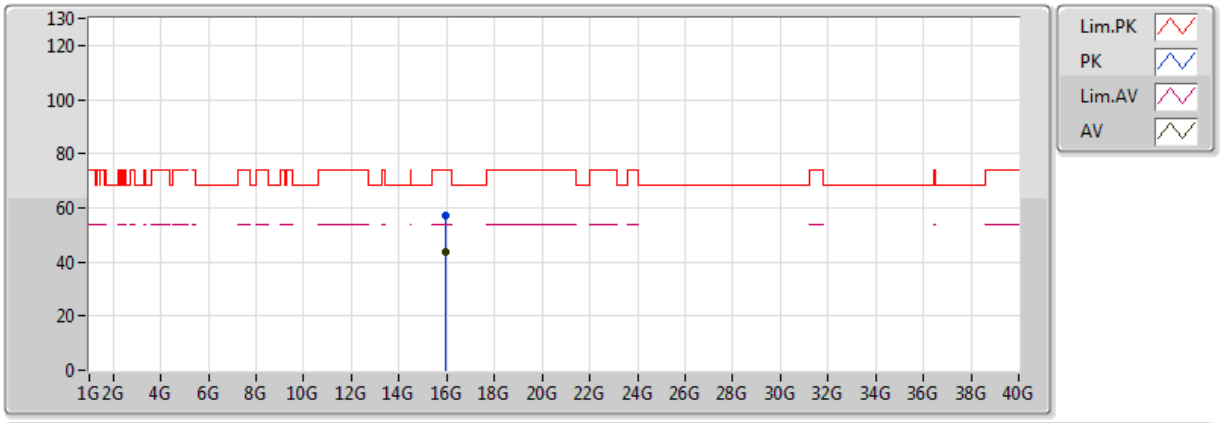


20170929
EUT Z_2TX
Setting 21.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3146G	97.79	Inf	-Inf	10.04	3	Horizontal	274	2.63
AV	5.350005G	50.54	54.00	-3.46	10.09	3	Horizontal	274	2.63
PK	5.3138G	107.92	Inf	-Inf	10.04	3	Horizontal	274	2.63
PK	5.3516G	67.51	74.00	-6.49	10.09	3	Horizontal	274	2.63

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

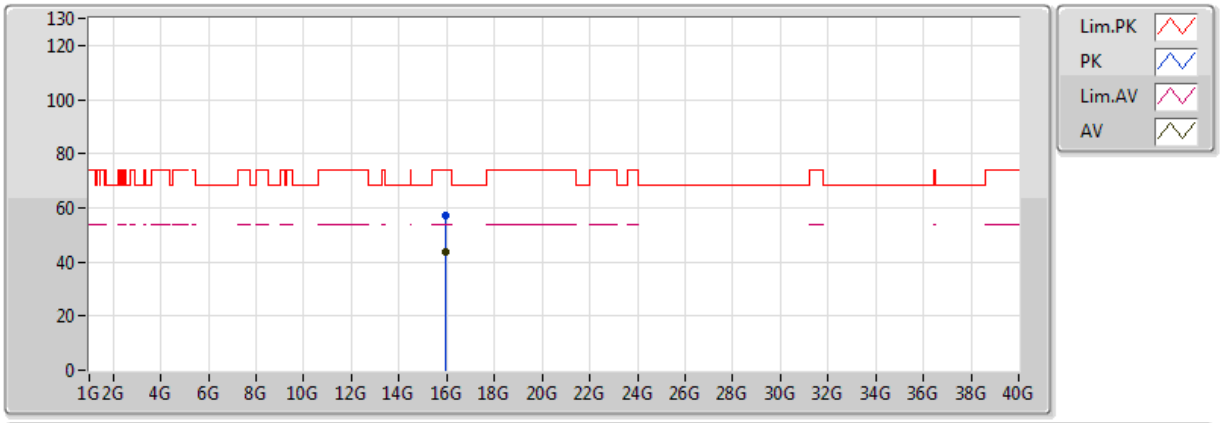


20170929
EUT Z_2TX
Setting 21.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.95472G	43.49	54.00	-10.51	17.81	3	Vertical	247	1.32
PK	15.95708G	57.06	74.00	-16.94	17.80	3	Vertical	247	1.32

802.11n HT20_Nss1,(MCS0)_2TX

5320MHz_TX

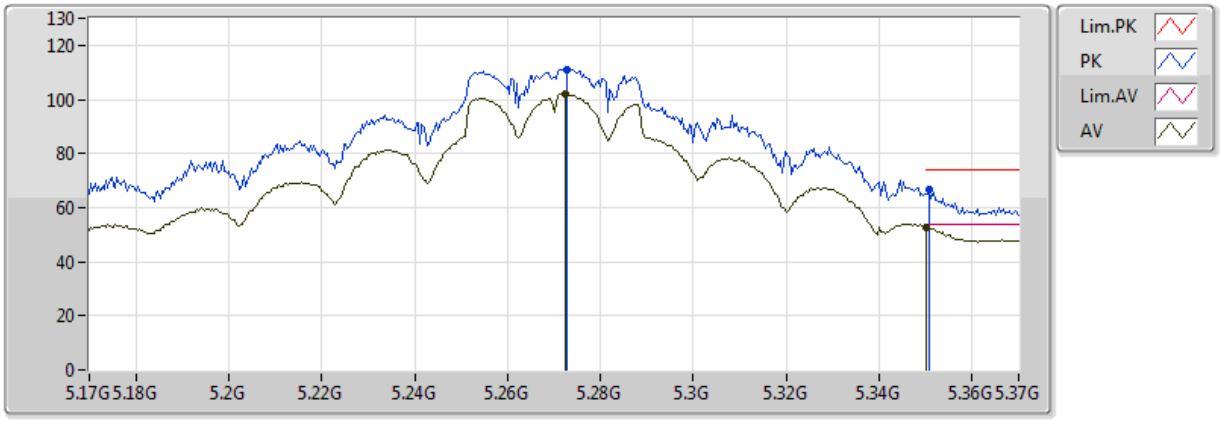


20170929
EUT Z_2TX
Setting 21.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.95792G	43.71	54.00	-10.29	17.80	3	Horizontal	62	1.90
PK	15.95156G	57.20	74.00	-16.80	17.81	3	Horizontal	62	1.90

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX

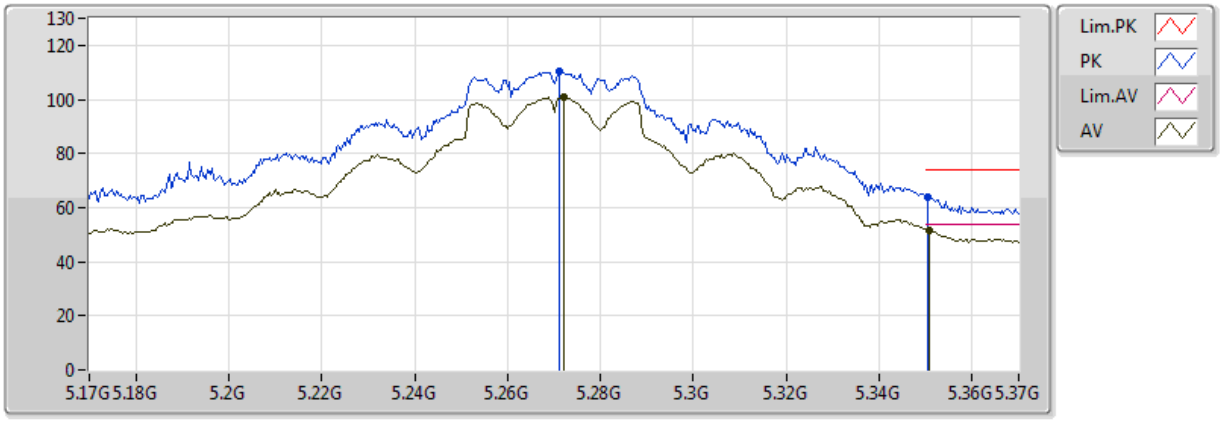


20170929
EUT Z_2TX
Setting 24.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.2724G	102.05	Inf	-Inf	9.98	3	Vertical	299	1.02
AV	5.350005G	52.64	54.00	-1.36	10.09	3	Vertical	299	1.02
PK	5.2728G	111.13	Inf	-Inf	9.98	3	Vertical	299	1.02
PK	5.3508G	66.61	74.00	-7.39	10.09	3	Vertical	299	1.02

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX

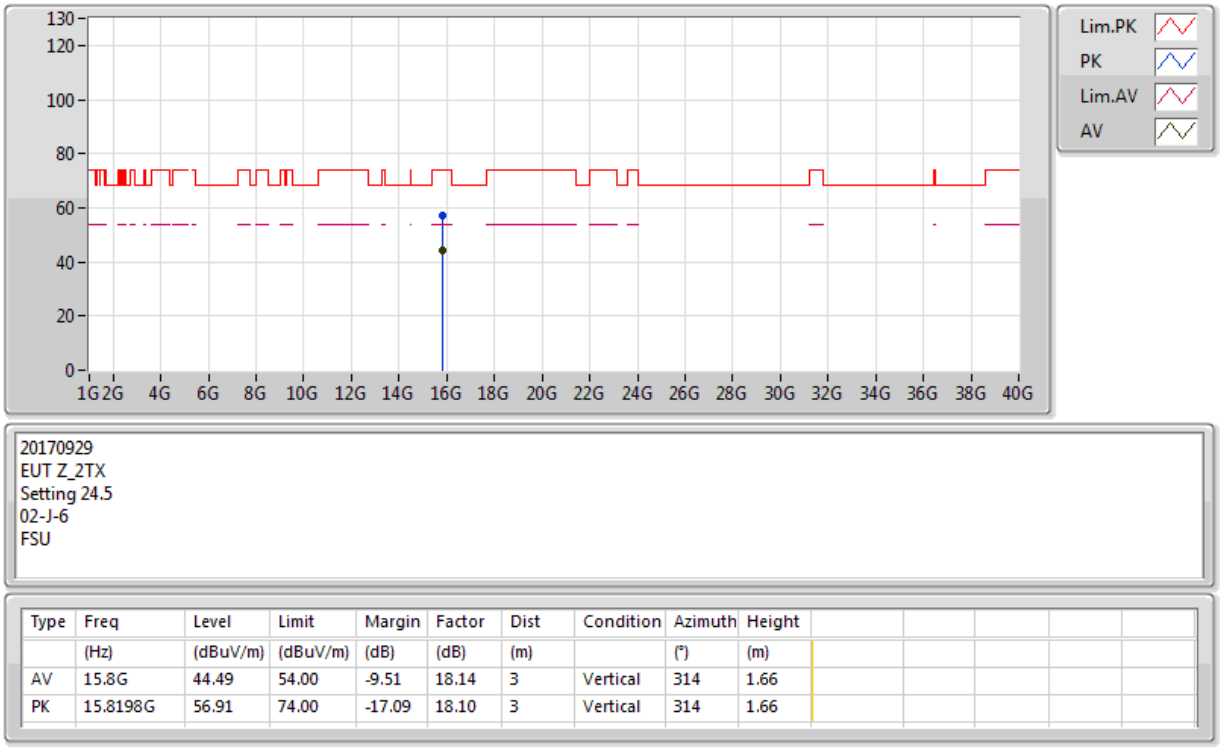


20170929
EUT Z_2TX
Setting 24.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.272G	100.70	Inf	-Inf	9.98	3	Horizontal	289	2.55
AV	5.3508G	51.53	54.00	-2.47	10.09	3	Horizontal	289	2.55
PK	5.2712G	110.54	Inf	-Inf	9.98	3	Horizontal	289	2.55
PK	5.3504G	63.99	74.00	-10.01	10.09	3	Horizontal	289	2.55

802.11n HT40_Nss1,(MCS0)_2TX

5270MHz_TX



20170929
EUT Z_2TX
Setting 24.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.8G	44.49	54.00	-9.51	18.14	3	Vertical	314	1.66
PK	15.8198G	56.91	74.00	-17.09	18.10	3	Vertical	314	1.66

802.11n HT40_Nss1,(MCS0)_2TX

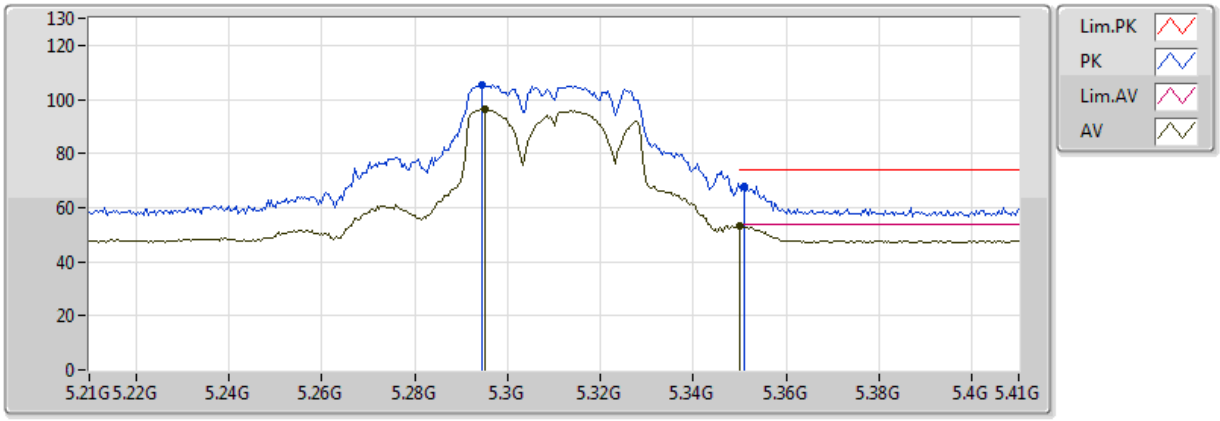
5270MHz_TX

20170929
EUT Z_2TX
Setting 24.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.80028G	44.28	54.00	-9.72	18.14	3	Horizontal	249	2.27
PK	15.8034G	56.54	74.00	-17.46	18.13	3	Horizontal	249	2.27

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

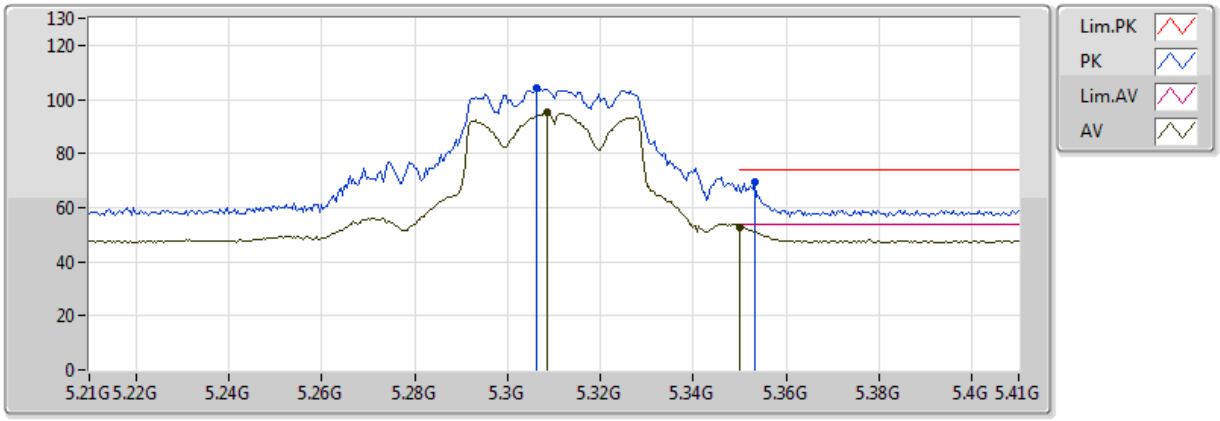


20170929
EUT Z_2TX
Setting 15
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.2952G	96.26	Inf	-Inf	10.01	3	Vertical	310	1.02
AV	5.350005G	52.96	54.00	-1.04	10.09	3	Vertical	310	1.02
PK	5.2944G	105.46	Inf	-Inf	10.01	3	Vertical	310	1.02
PK	5.3508G	67.74	74.00	-6.26	10.09	3	Vertical	310	1.02

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

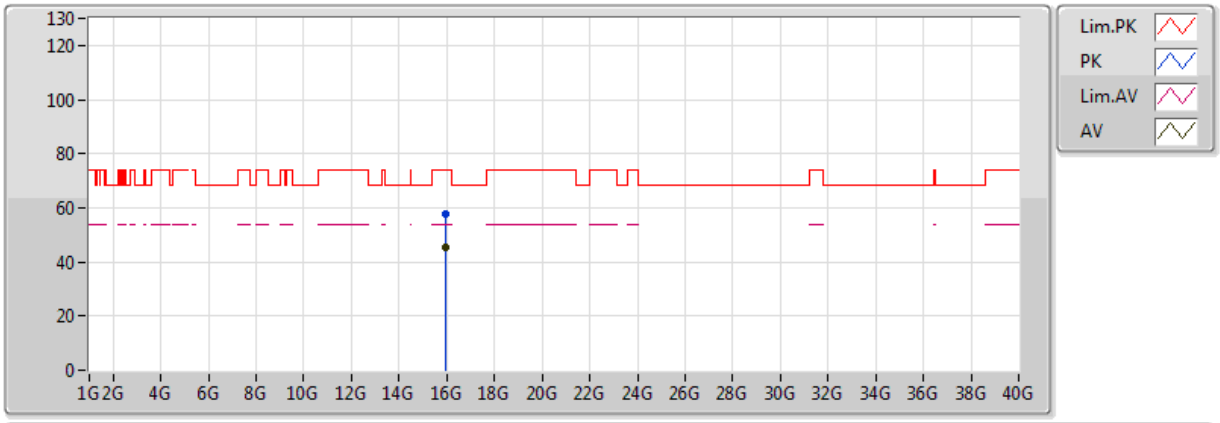


20170929
EUT Z_2TX
Setting 15
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.3084G	95.09	Inf	-Inf	10.03	3	Horizontal	293	2.64
AV	5.350005G	52.91	54.00	-1.09	10.09	3	Horizontal	293	2.64
PK	5.3064G	104.26	Inf	-Inf	10.03	3	Horizontal	293	2.64
PK	5.3532G	69.46	74.00	-4.54	10.09	3	Horizontal	293	2.64

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX

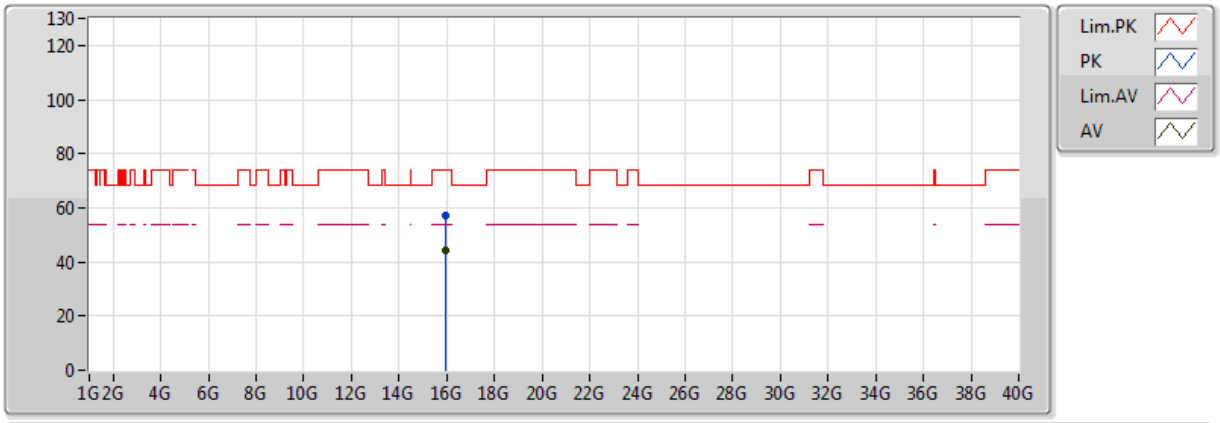


20170929
EUT Z_2TX
Setting 15
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.9318G	45.13	54.00	-8.87	17.86	3	Vertical	162	1.01
PK	15.92972G	57.56	74.00	-16.44	17.86	3	Vertical	162	1.01

802.11n HT40_Nss1,(MCS0)_2TX

5310MHz_TX



20170929
EUT Z_2TX
Setting 15
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	15.92404G	44.46	54.00	-9.54	17.87	3	Horizontal	260	1.23
PK	15.92084G	57.41	74.00	-16.59	17.88	3	Horizontal	260	1.23

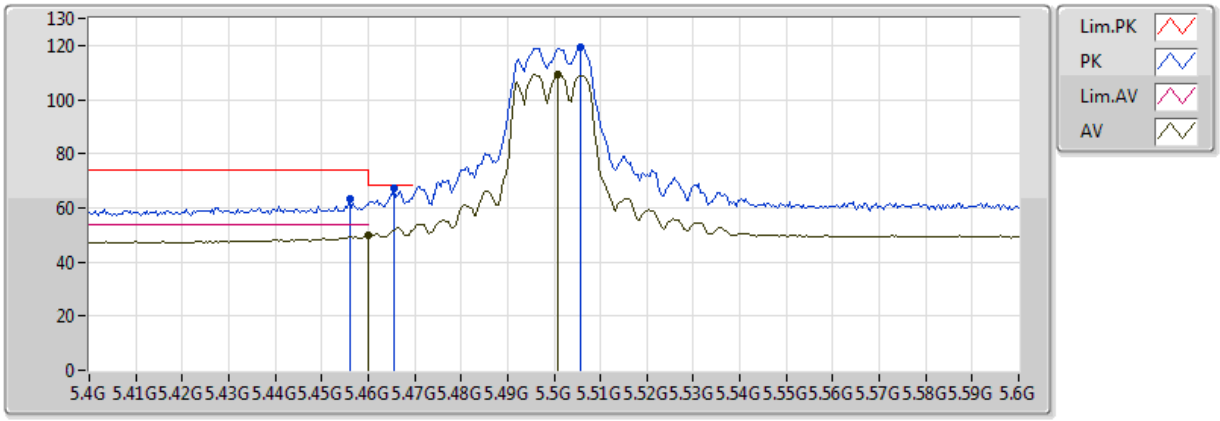
Test Mode: Mode 2-Radio 2 (B3)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.7252G	52.98	54.00	-1.02	10.65	3	Vertical	221	1.04	-

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

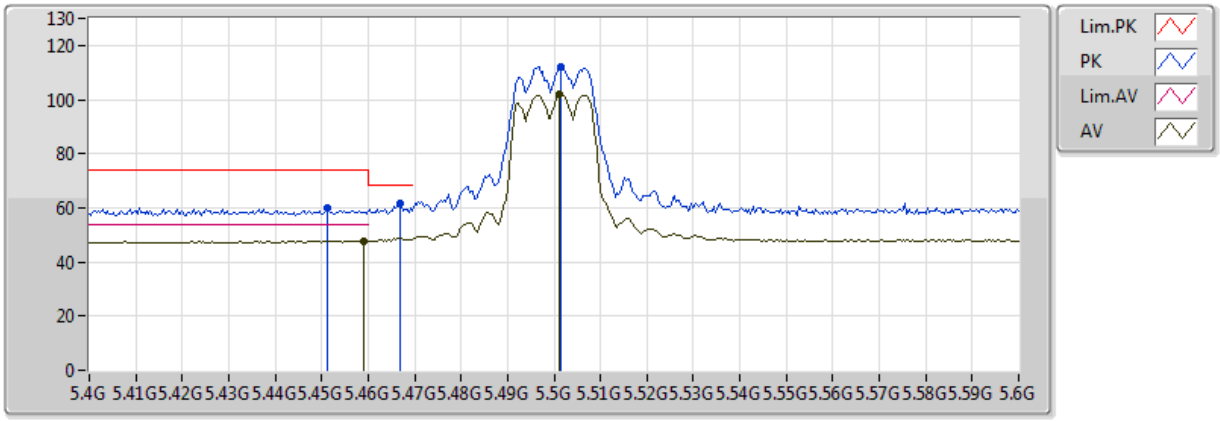


20170928
EUT X_2TX
Setting 20
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4599G	49.71	54.00	-4.29	10.35	3	Vertical	301	1.02
AV	5.5008G	109.42	Inf	-Inf	10.49	3	Vertical	301	1.02
PK	5.456G	63.47	74.00	-10.53	10.34	3	Vertical	301	1.02
PK	5.4656G	67.01	68.20	-1.19	10.37	3	Vertical	301	1.02
PK	5.5056G	119.55	Inf	-Inf	10.50	3	Vertical	301	1.02

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

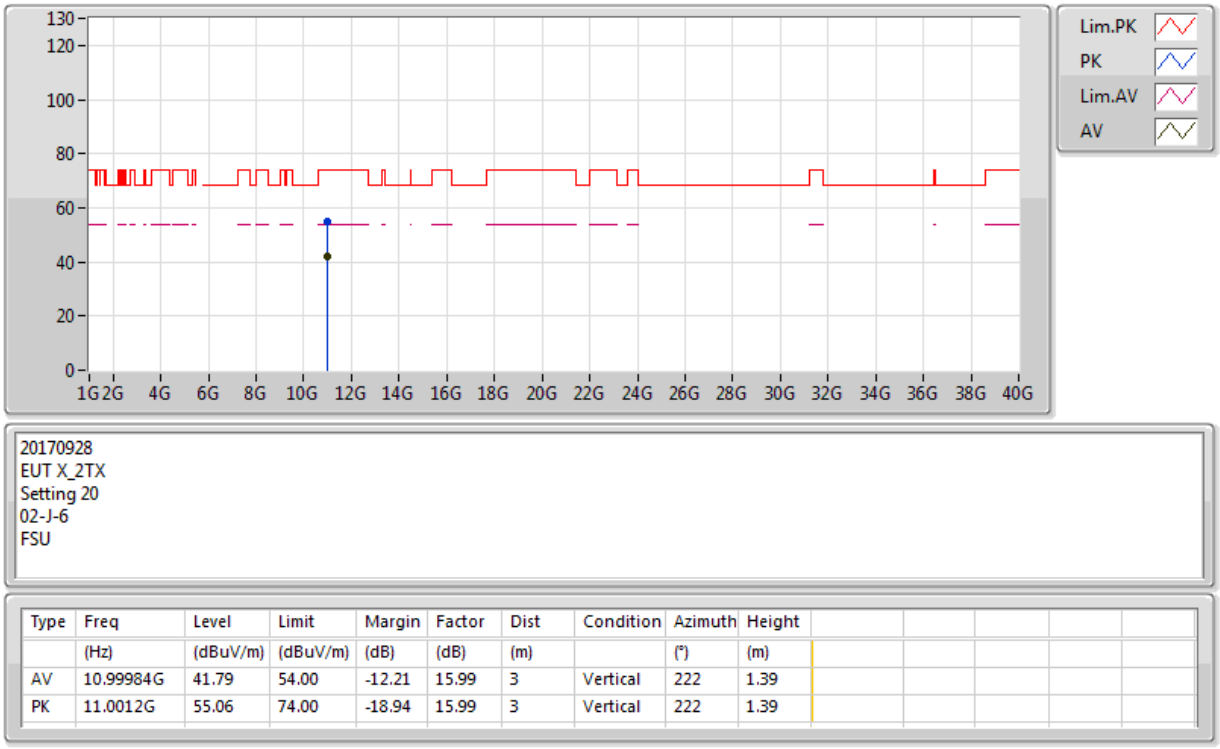


20170928
EUT X_2TX
Setting 20
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4592G	47.71	54.00	-6.29	10.35	3	Horizontal	36	2.26
AV	5.5012G	101.77	Inf	-Inf	10.49	3	Horizontal	36	2.26
PK	5.4512G	59.79	74.00	-14.21	10.32	3	Horizontal	36	2.26
PK	5.4668G	61.81	68.20	-6.39	10.38	3	Horizontal	36	2.26
PK	5.5016G	111.99	Inf	-Inf	10.49	3	Horizontal	36	2.26

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

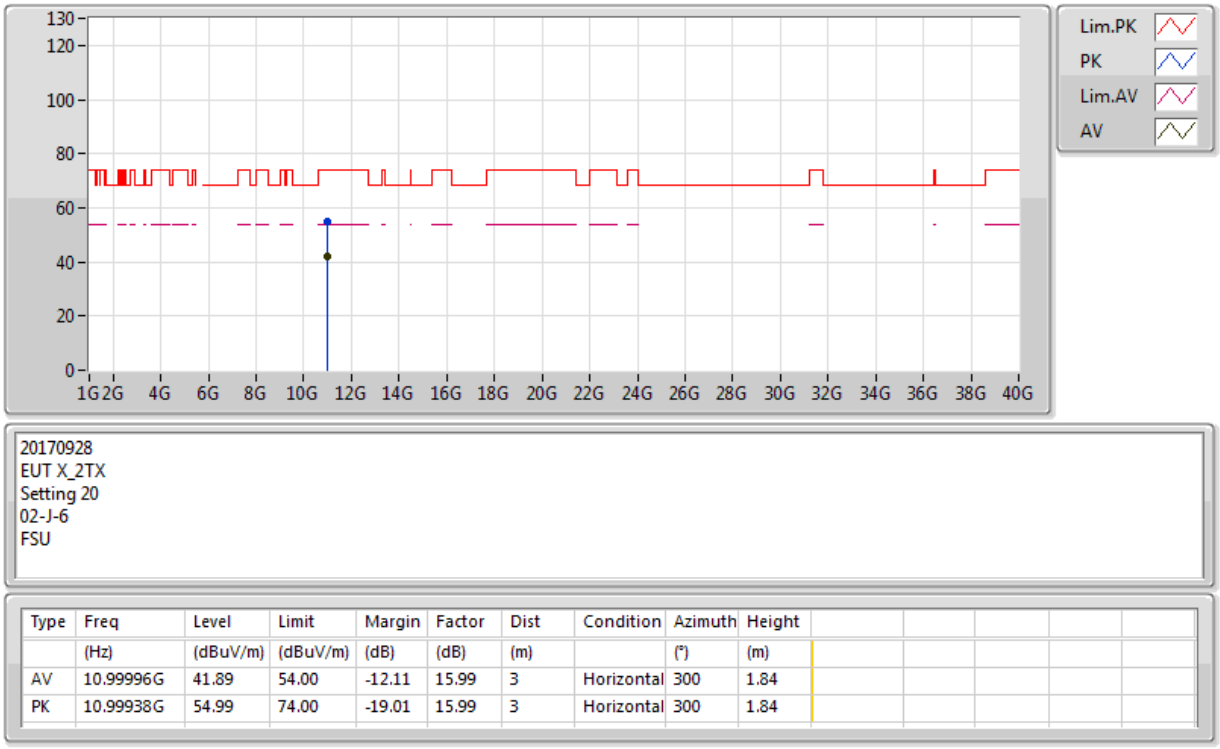


20170928
EUT X_2TX
Setting 20
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	10.99984G	41.79	54.00	-12.21	15.99	3	Vertical	222	1.39
PK	11.0012G	55.06	74.00	-18.94	15.99	3	Vertical	222	1.39

802.11a_Nss1,(6Mbps)_2TX

5500MHz_TX

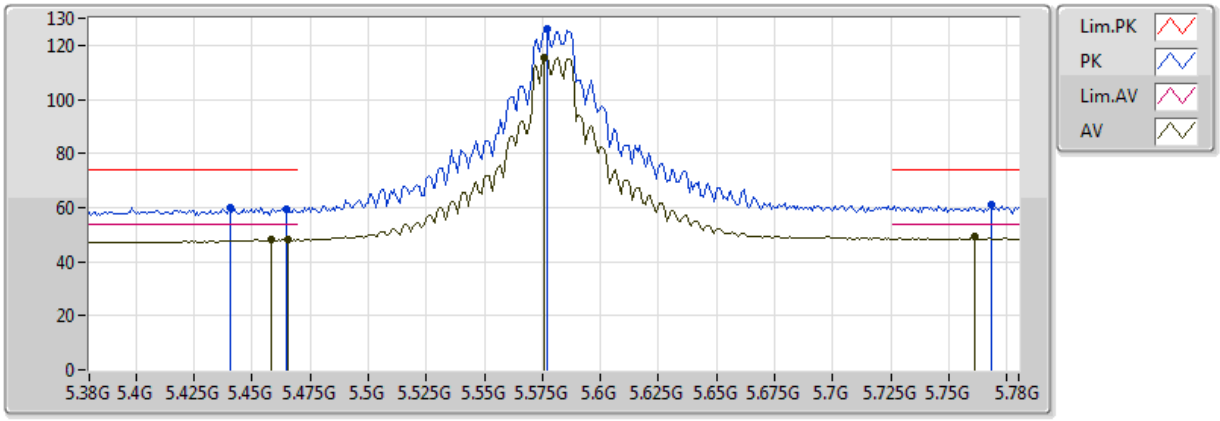


20170928
EUT X_2TX
Setting 20
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	10.99996G	41.89	54.00	-12.11	15.99	3	Horizontal	300	1.84
PK	10.99938G	54.99	74.00	-19.01	15.99	3	Horizontal	300	1.84

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

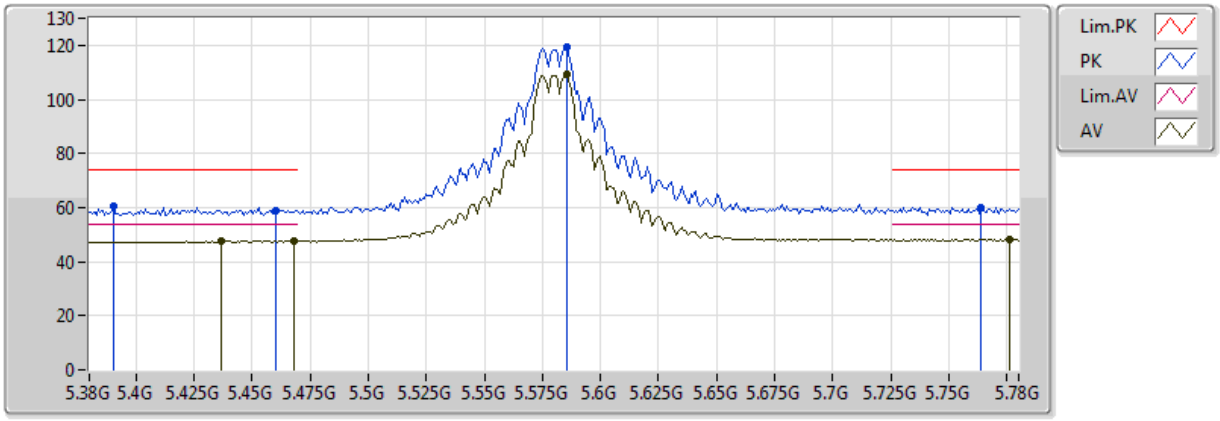


20170928
EUT X_2TX
Setting 22.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4584G	48.24	54.00	-5.76	10.35	3	Vertical	148	1.01
AV	5.4656G	48.34	54.00	-5.66	10.37	3	Vertical	148	1.01
AV	5.576G	115.66	Inf	-Inf	10.61	3	Vertical	148	1.01
AV	5.7608G	49.41	54.00	-4.59	10.65	3	Vertical	148	1.01
PK	5.4408G	60.16	74.00	-13.84	10.29	3	Vertical	148	1.01
PK	5.4648G	59.64	74.00	-14.36	10.37	3	Vertical	148	1.01
PK	5.5768G	126.22	Inf	-Inf	10.61	3	Vertical	148	1.01
PK	5.768G	60.81	74.00	-13.19	10.65	3	Vertical	148	1.01

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

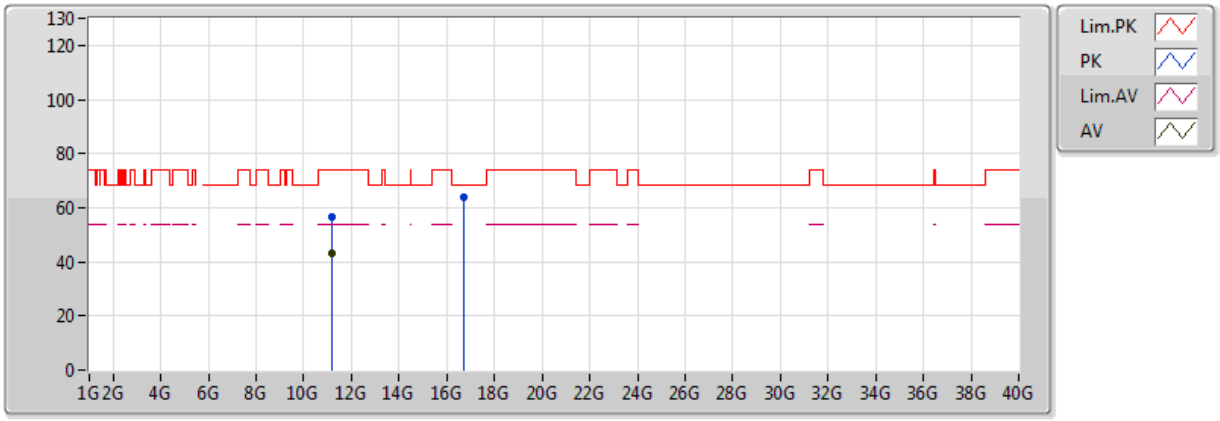


20170928
EUT X_2TX
Setting 22.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4368G	47.63	54.00	-6.37	10.28	3	Horizontal	1	2.40
AV	5.468G	47.61	54.00	-6.39	10.38	3	Horizontal	1	2.40
AV	5.5856G	109.51	Inf	-Inf	10.63	3	Horizontal	1	2.40
AV	5.776G	48.20	54.00	-5.80	10.65	3	Horizontal	1	2.40
PK	5.3904G	60.51	74.00	-13.49	10.14	3	Horizontal	1	2.40
PK	5.460005G	59.10	74.00	-14.90	10.35	3	Horizontal	1	2.40
PK	5.5856G	119.13	Inf	-Inf	10.63	3	Horizontal	1	2.40
PK	5.764G	60.06	74.00	-13.94	10.65	3	Horizontal	1	2.40

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

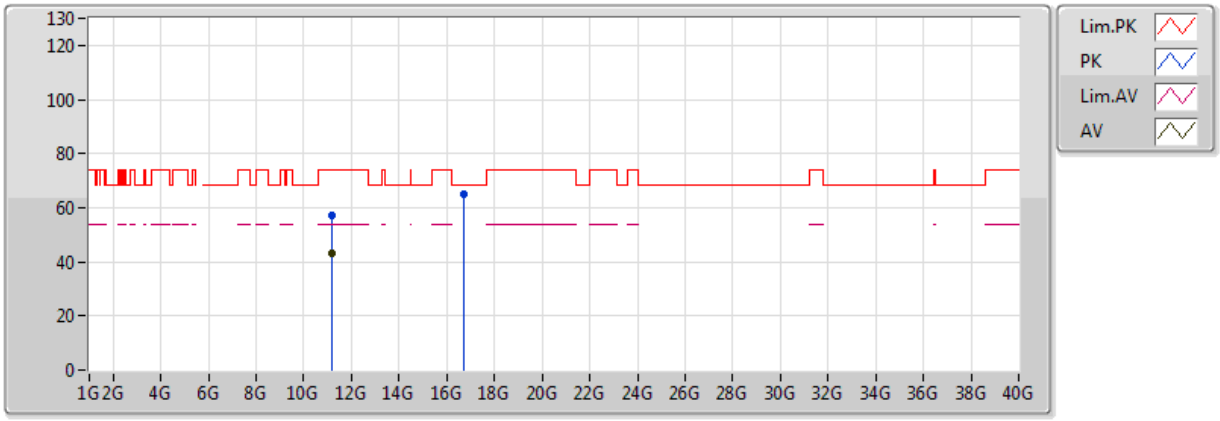


20170928
EUT X_2TX
Setting 22.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.15962G	43.27	54.00	-10.73	16.19	3	Vertical	104	2.30
PK	11.1591G	56.48	74.00	-17.52	16.19	3	Vertical	104	2.30
PK	16.73656G	64.14	68.20	-4.06	20.64	3	Vertical	89	2.79

802.11a_Nss1,(6Mbps)_2TX

5580MHz_TX

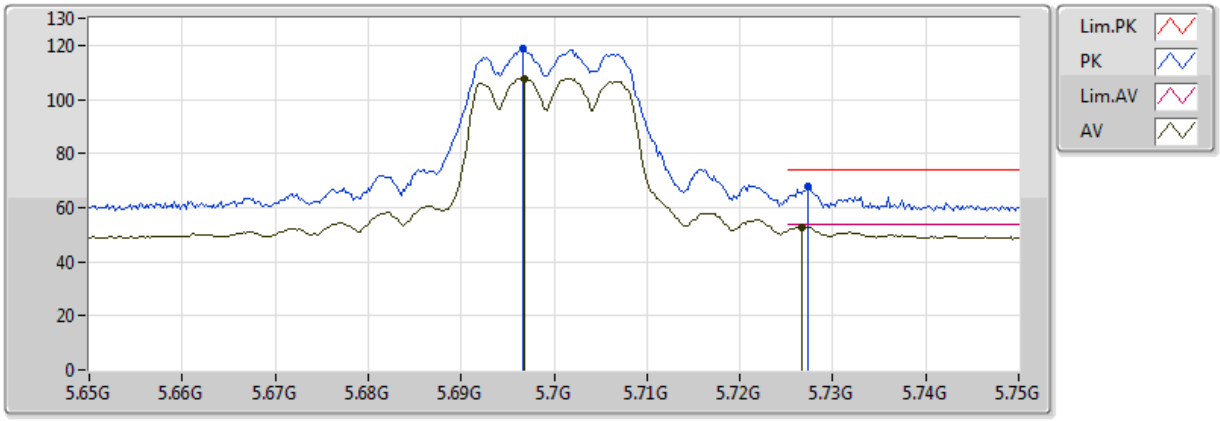


20170928
EUT X_2TX
Setting 22.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.1596G	43.42	54.00	-10.58	16.19	3	Horizontal	289	1.12
PK	11.16012G	56.89	74.00	-17.11	16.19	3	Horizontal	289	1.12
PK	16.73672G	65.16	68.20	-3.04	20.64	3	Horizontal	273	1.50

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

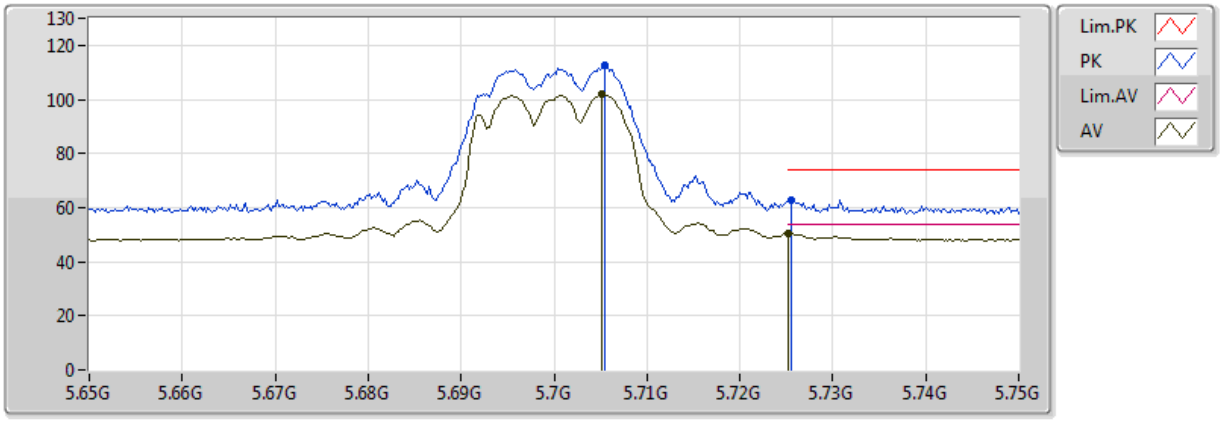


20170928
EUT X_2TX
Setting 18.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.6968G	107.84	Inf	-Inf	10.65	3	Vertical	295	1.00
AV	5.7266G	52.91	54.00	-1.09	10.65	3	Vertical	295	1.00
PK	5.6966G	118.63	Inf	-Inf	10.65	3	Vertical	295	1.00
PK	5.7274G	67.54	74.00	-6.46	10.65	3	Vertical	295	1.00

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX

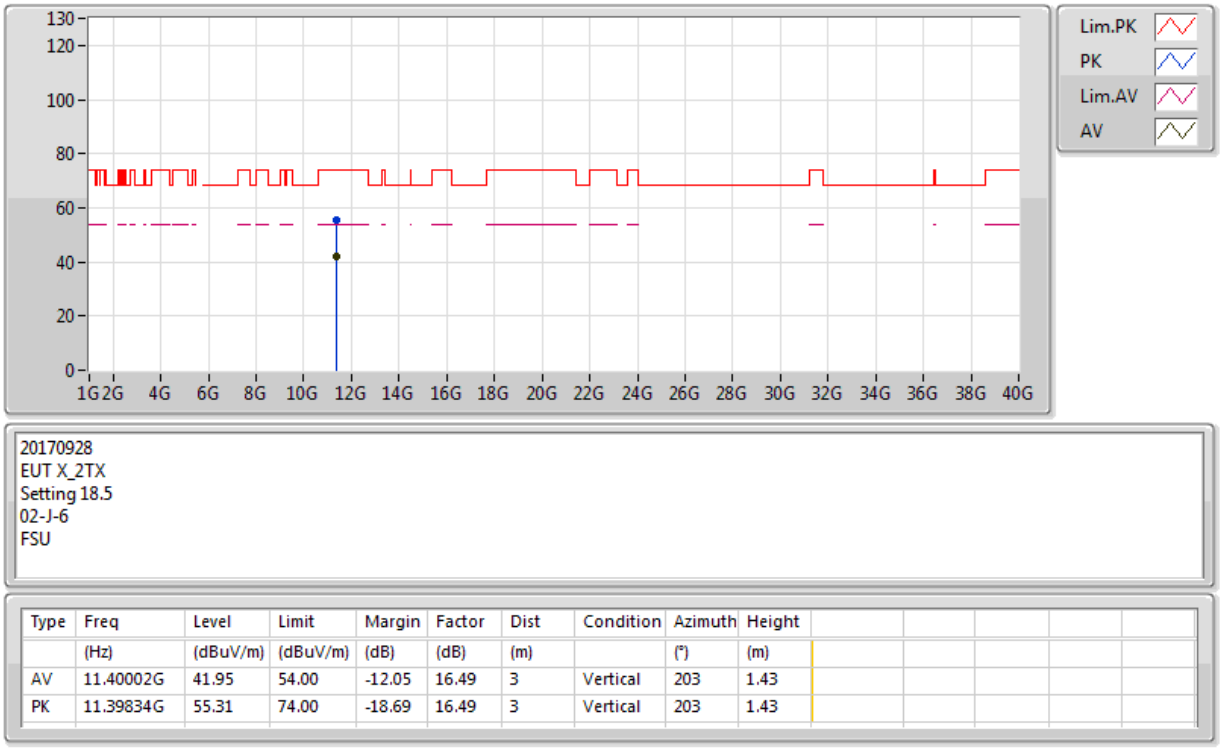


20170928
EUT X_2TX
Setting 18.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7052G	101.72	Inf	-Inf	10.65	3	Horizontal	147	2.41
AV	5.7252G	50.20	54.00	-3.80	10.65	3	Horizontal	147	2.41
PK	5.7054G	112.45	Inf	-Inf	10.65	3	Horizontal	147	2.41
PK	5.7256G	62.72	74.00	-11.28	10.65	3	Horizontal	147	2.41

802.11a_Nss1,(6Mbps)_2TX

5700MHz_TX



20170928
EUT X_2TX
Setting 18.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.40002G	41.95	54.00	-12.05	16.49	3	Vertical	203	1.43
PK	11.39834G	55.31	74.00	-18.69	16.49	3	Vertical	203	1.43

802.11a_Nss1,(6Mbps)_2TX

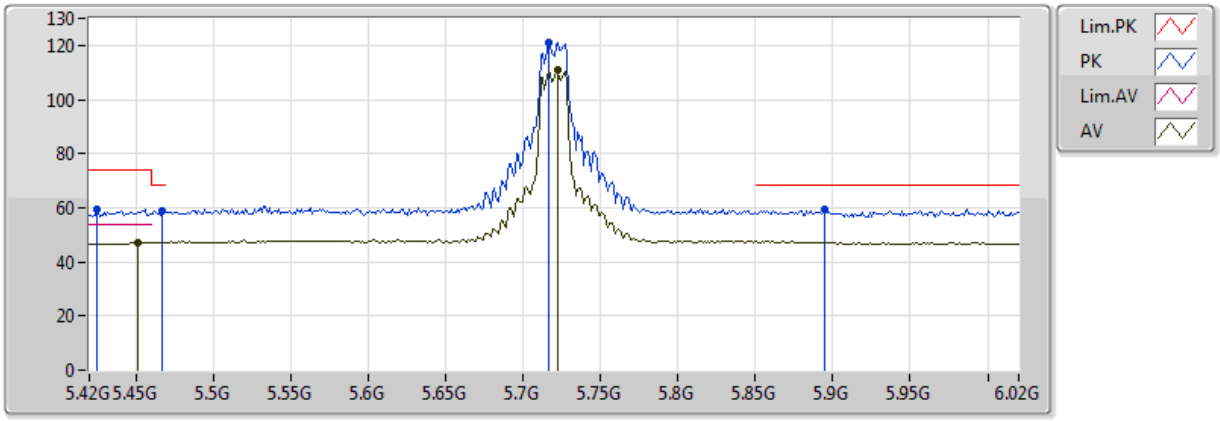
5700MHz_TX

20170928
EUT X_2TX
Setting 18.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.39992G	42.08	54.00	-11.92	16.49	3	Horizontal	49	1.88
PK	11.40296G	55.20	74.00	-18.80	16.49	3	Horizontal	49	1.88

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

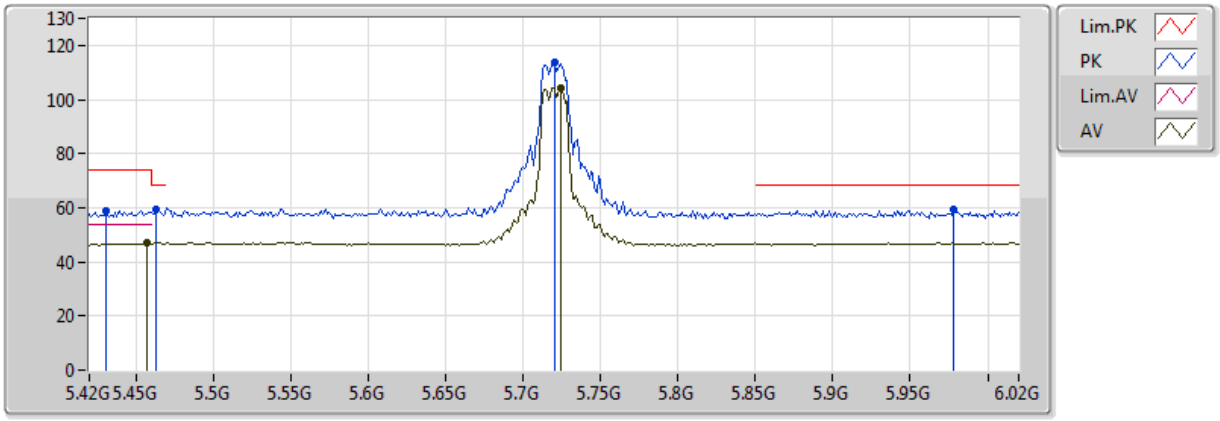


20171115
EUT X_2TX
Setting 22
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4512G	47.28	54.00	-6.72	6.69	3	Vertical	315	2.26
AV	5.7224G	110.73	Inf	-Inf	6.96	3	Vertical	315	2.26
PK	5.4248G	59.26	74.00	-14.74	6.60	3	Vertical	315	2.26
PK	5.4668G	58.91	68.20	-9.29	6.75	3	Vertical	315	2.26
PK	5.7164G	121.06	Inf	-Inf	6.96	3	Vertical	315	2.26
PK	5.8952G	59.34	68.20	-8.86	7.01	3	Vertical	315	2.26

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

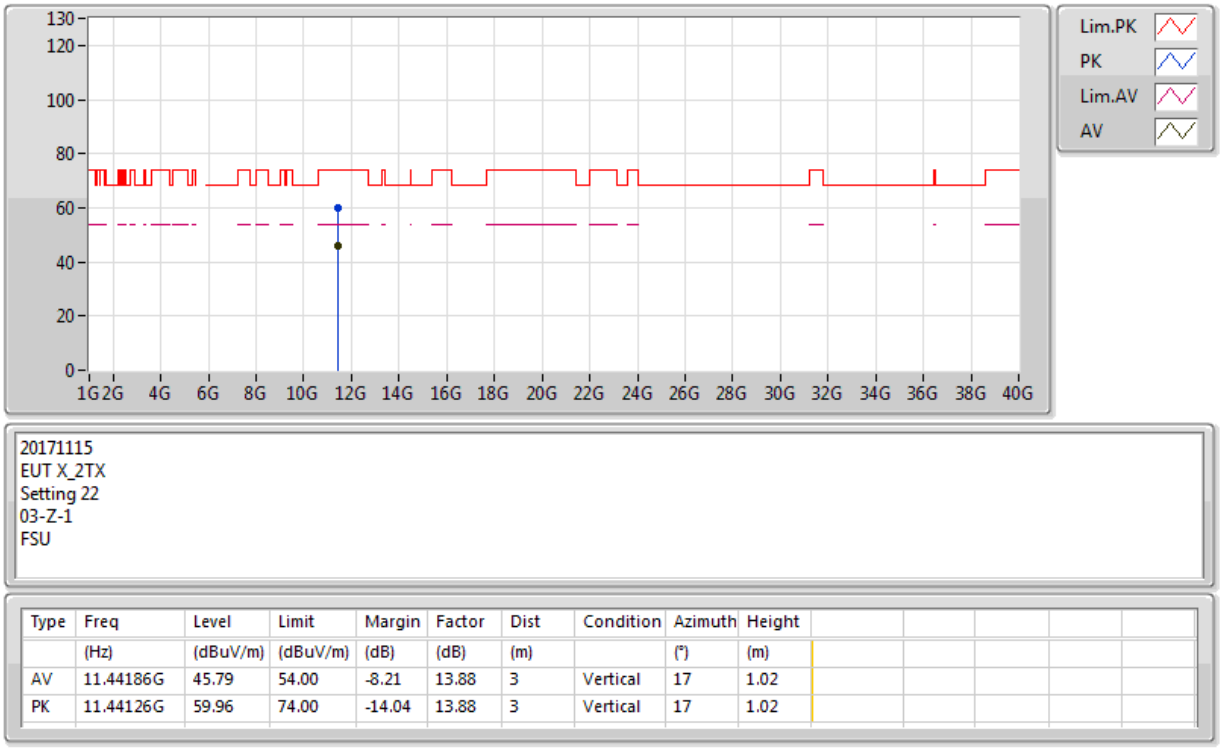


20171115
EUT X_2TX
Setting 22
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4572G	47.06	54.00	-6.94	6.71	3	Horizontal	294	2.06
AV	5.7248G	104.19	Inf	-Inf	6.96	3	Horizontal	294	2.06
PK	5.4308G	58.90	74.00	-15.10	6.62	3	Horizontal	294	2.06
PK	5.4632G	59.28	68.20	-8.92	6.73	3	Horizontal	294	2.06
PK	5.72G	113.93	Inf	-Inf	6.96	3	Horizontal	294	2.06
PK	5.978G	59.29	68.20	-8.91	7.11	3	Horizontal	294	2.06

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

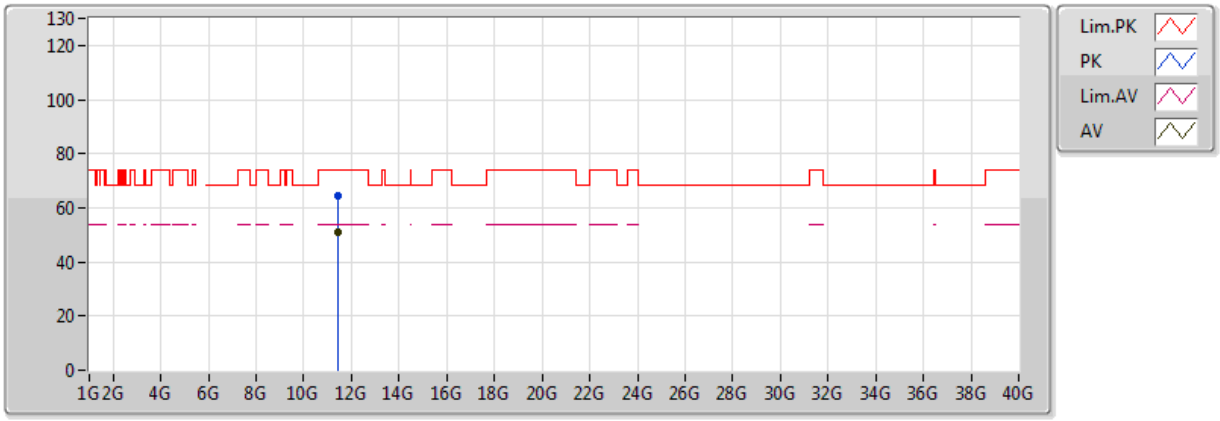


20171115
EUT X_2TX
Setting 22
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.44186G	45.79	54.00	-8.21	13.88	3	Vertical	17	1.02
PK	11.44126G	59.96	74.00	-14.04	13.88	3	Vertical	17	1.02

802.11a_Nss1,(6Mbps)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

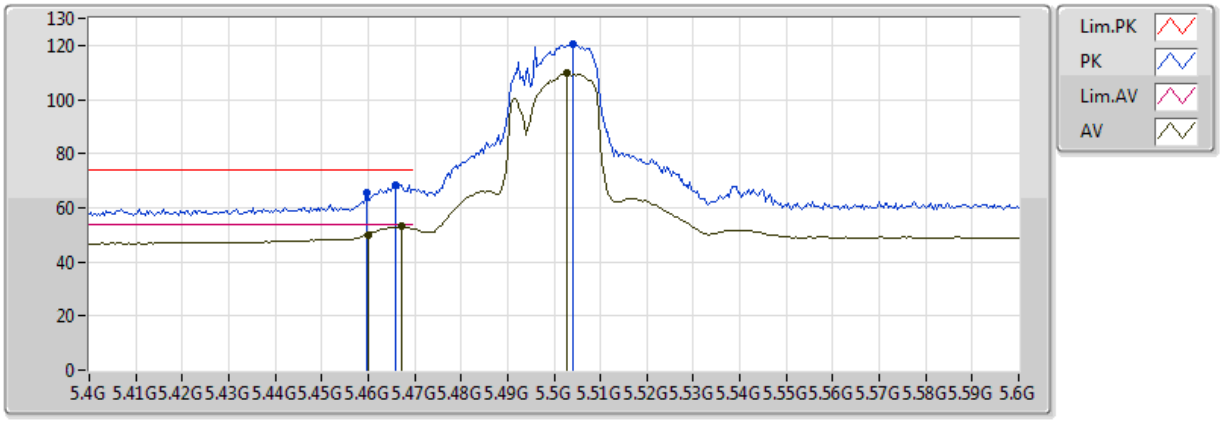


20171115
EUT X_2TX
Setting 22
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.43982G	50.97	54.00	-3.03	13.88	3	Horizontal	33	2.23
PK	11.4343G	64.39	74.00	-9.61	13.88	3	Horizontal	33	2.23

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

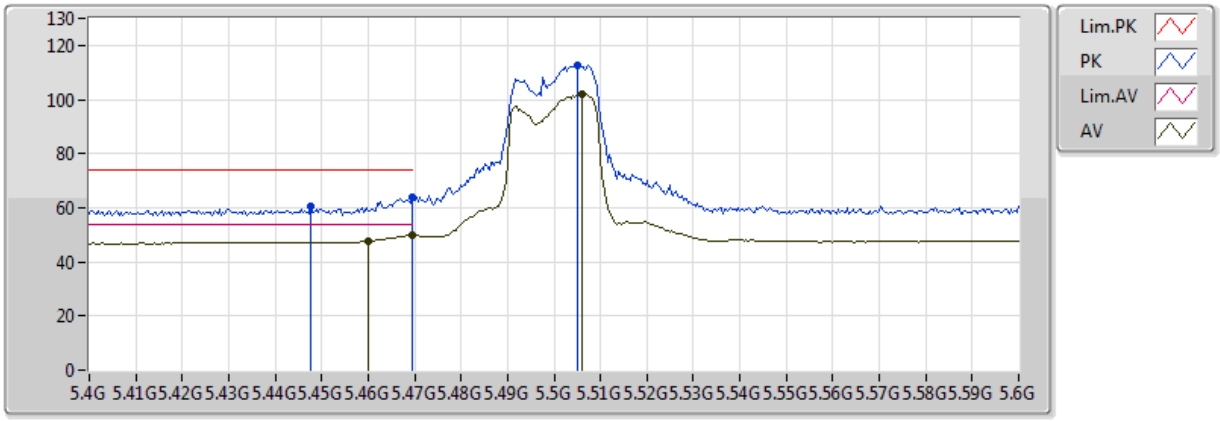


20170928
EUT X_2TX
Setting 21
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.46G	50.13	54.00	-3.87	10.35	3	Vertical	80	1.01
AV	5.4672G	52.97	54.00	-1.03	10.38	3	Vertical	80	1.01
AV	5.5028G	109.65	Inf	-Inf	10.49	3	Vertical	80	1.01
PK	5.4596G	65.35	74.00	-8.65	10.35	3	Vertical	80	1.01
PK	5.466G	68.63	74.00	-5.37	10.37	3	Vertical	80	1.01
PK	5.504G	120.42	Inf	-Inf	10.50	3	Vertical	80	1.01

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

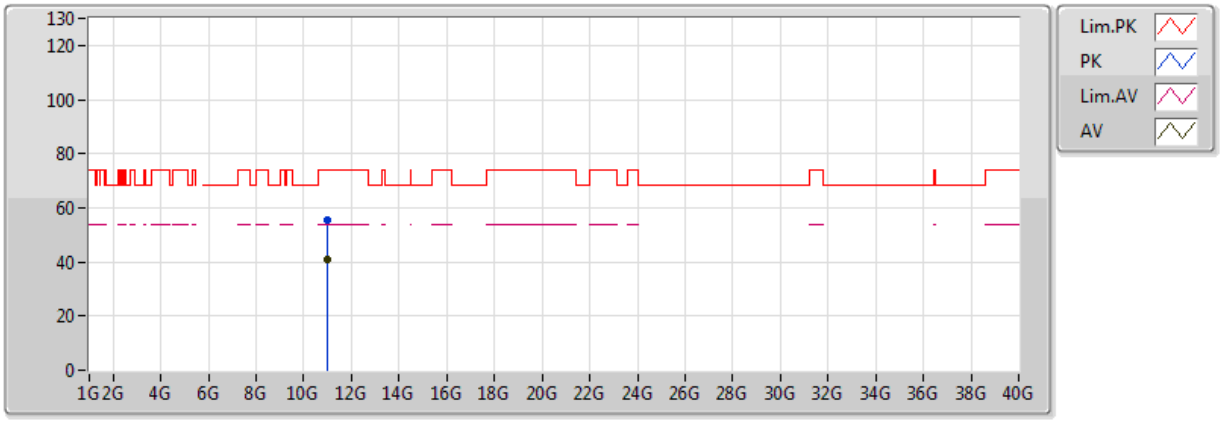


20170928
EUT X_2TX
Setting 21
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.46G	47.51	54.00	-6.49	10.35	3	Horizontal	273	2.72
AV	5.4696G	49.64	54.00	-4.36	10.39	3	Horizontal	273	2.72
AV	5.506G	101.93	Inf	-Inf	10.50	3	Horizontal	273	2.72
PK	5.4476G	60.30	74.00	-13.70	10.31	3	Horizontal	273	2.72
PK	5.4696G	64.03	74.00	-9.97	10.39	3	Horizontal	273	2.72
PK	5.5052G	112.75	Inf	-Inf	10.50	3	Horizontal	273	2.72

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

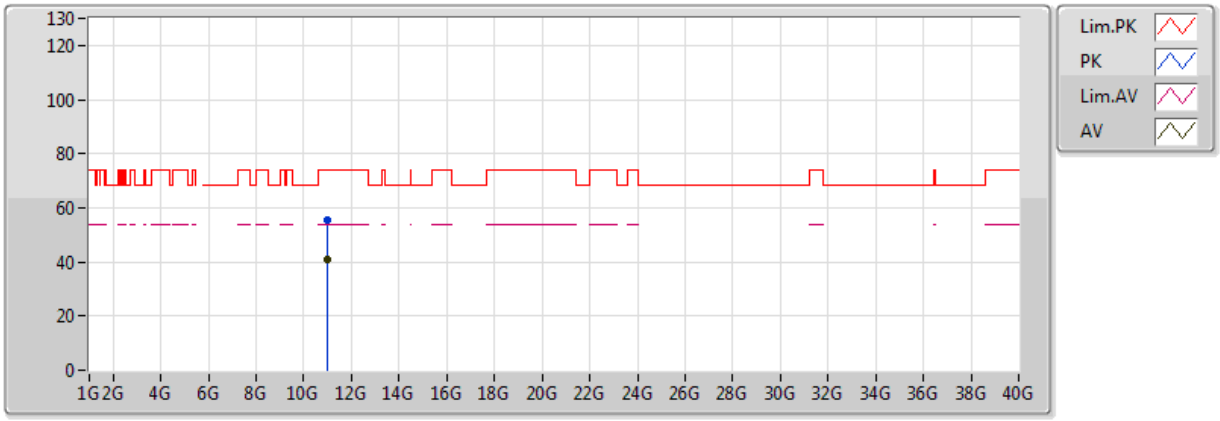


20170928
EUT X_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.00852G	40.93	54.00	-13.07	16.00	3	Vertical	69	1.79
PK	10.99676G	55.43	74.00	-18.57	15.99	3	Vertical	69	1.79

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

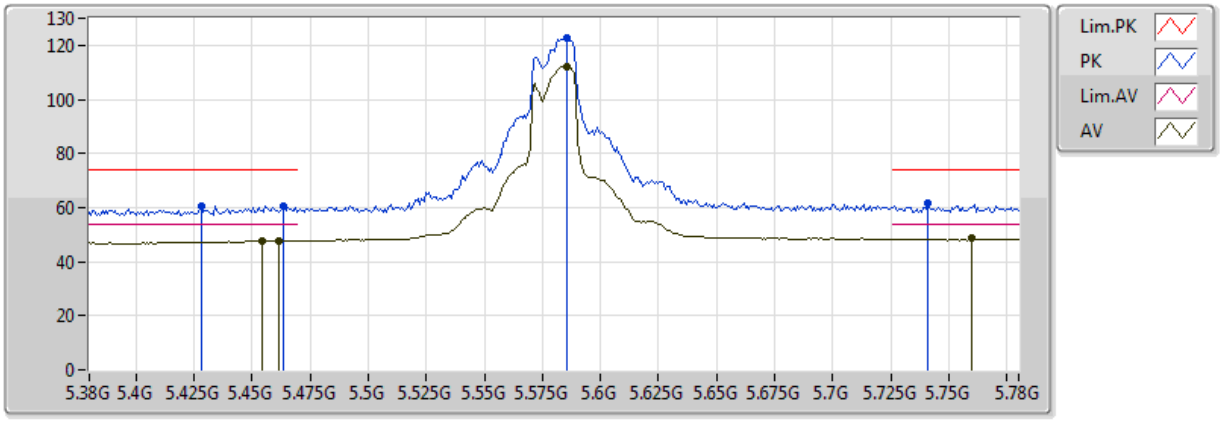


20170928
EUT X_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.00752G	41.00	54.00	-13.00	16.00	3	Horizontal	11	2.01
PK	11.00344G	55.29	74.00	-18.71	15.99	3	Horizontal	11	2.01

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

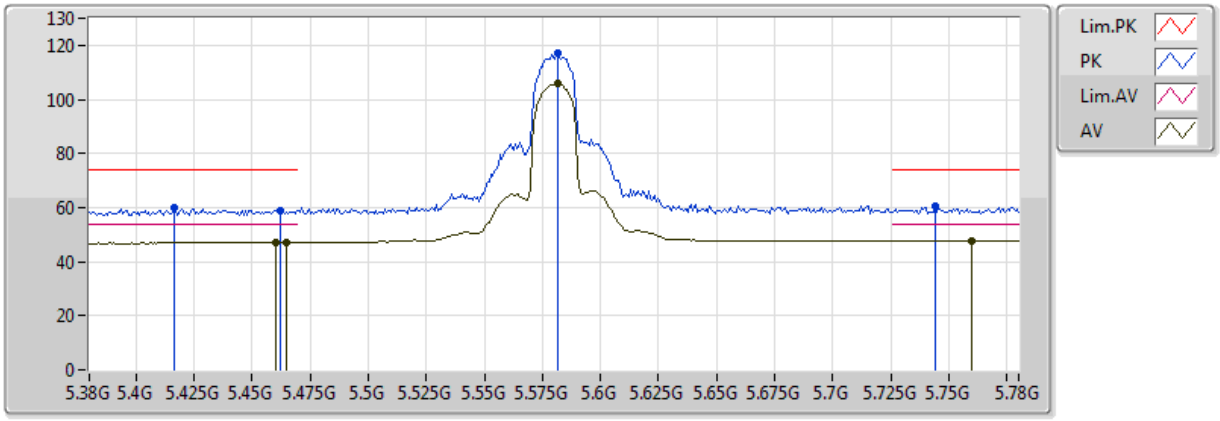


20170928
EUT X_2TX
Setting 22
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4544G	47.57	54.00	-6.43	10.33	3	Vertical	221	1.01
AV	5.4616G	47.67	54.00	-6.33	10.36	3	Vertical	221	1.01
AV	5.5856G	112.02	Inf	-Inf	10.63	3	Vertical	221	1.01
AV	5.76G	48.64	54.00	-5.36	10.65	3	Vertical	221	1.01
PK	5.428G	60.75	74.00	-13.25	10.25	3	Vertical	221	1.01
PK	5.4632G	60.49	74.00	-13.51	10.36	3	Vertical	221	1.01
PK	5.5856G	122.51	Inf	-Inf	10.63	3	Vertical	221	1.01
PK	5.7408G	61.66	74.00	-12.34	10.65	3	Vertical	221	1.01

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

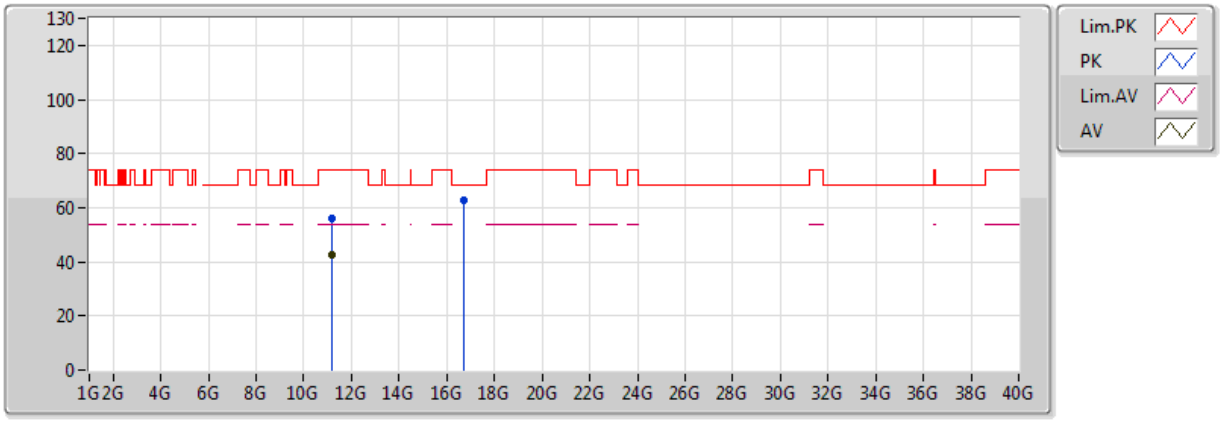


20170928
EUT X_2TX
Setting 22
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.46G	47.15	54.00	-6.85	10.35	3	Horizontal	75	2.54
AV	5.4648G	47.22	54.00	-6.78	10.37	3	Horizontal	75	2.54
AV	5.5816G	105.95	Inf	-Inf	10.62	3	Horizontal	75	2.54
AV	5.76G	47.73	54.00	-6.27	10.65	3	Horizontal	75	2.54
PK	5.4168G	59.74	74.00	-14.26	10.21	3	Horizontal	75	2.54
PK	5.4624G	58.81	74.00	-15.19	10.36	3	Horizontal	75	2.54
PK	5.5816G	116.94	Inf	-Inf	10.62	3	Horizontal	75	2.54
PK	5.744G	60.56	74.00	-13.44	10.65	3	Horizontal	75	2.54

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

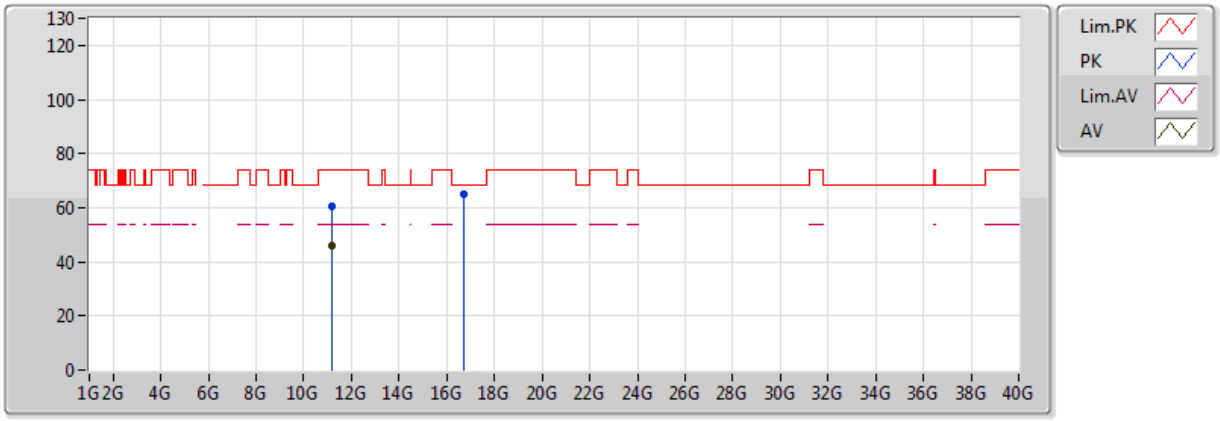


20170928
EUT X_2TX
Setting 22
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.15992G	42.61	54.00	-11.39	16.19	3	Vertical	82	2.38
PK	11.16012G	56.24	74.00	-17.76	16.19	3	Vertical	82	2.38
PK	16.73796G	62.74	68.20	-5.46	20.65	3	Vertical	100	2.42

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

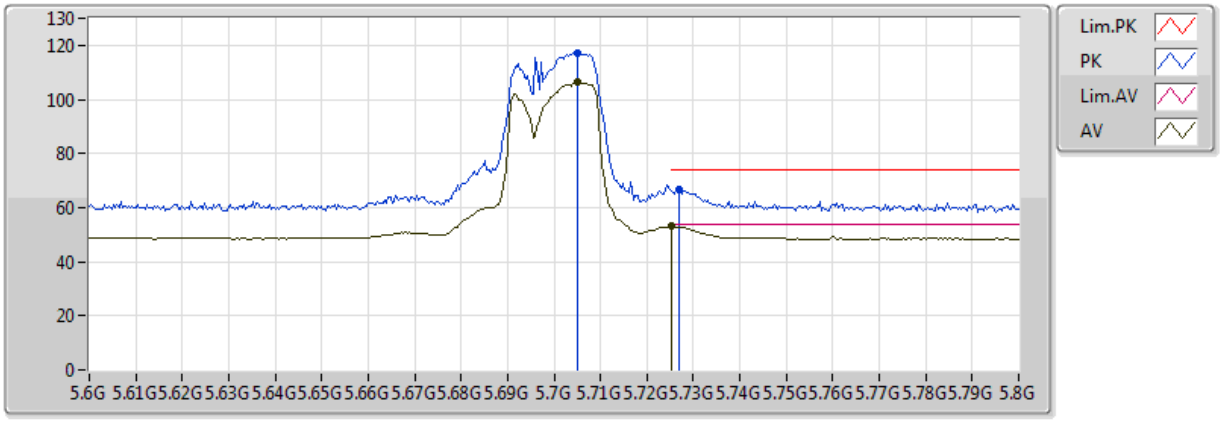


20170928
EUT X_2TX
Setting 22
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.1578G	45.67	54.00	-8.33	16.19	3	Horizontal	253	2.33
PK	11.15788G	60.35	74.00	-13.65	16.19	3	Horizontal	253	2.33
PK	16.73704G	65.10	68.20	-3.10	20.64	3	Horizontal	105	2.04

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

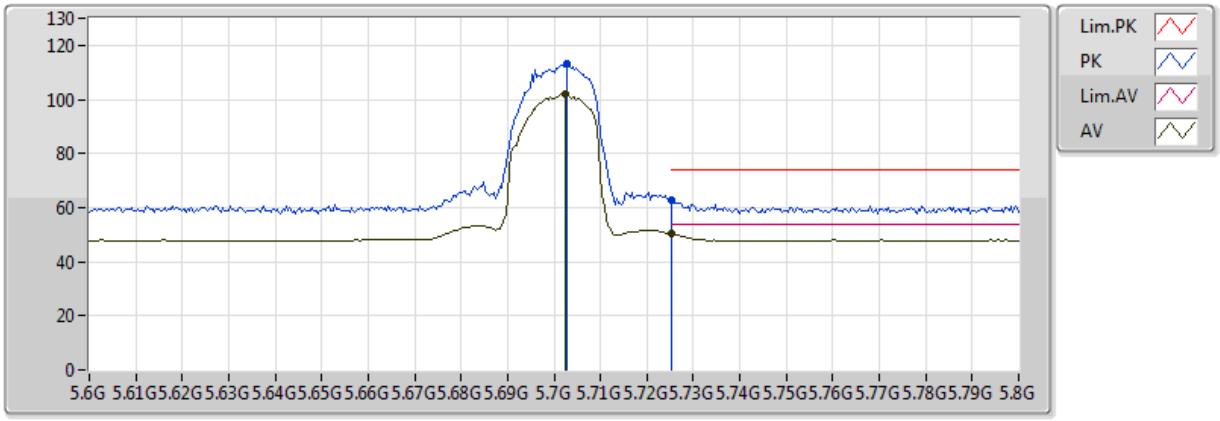


20170928
EUT X_2TX
Setting 18.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7052G	106.23	Inf	-Inf	10.65	3	Vertical	221	1.04
AV	5.7252G	52.98	54.00	-1.02	10.65	3	Vertical	221	1.04
PK	5.7052G	117.25	Inf	-Inf	10.65	3	Vertical	221	1.04
PK	5.7268G	66.91	74.00	-7.09	10.65	3	Vertical	221	1.04

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

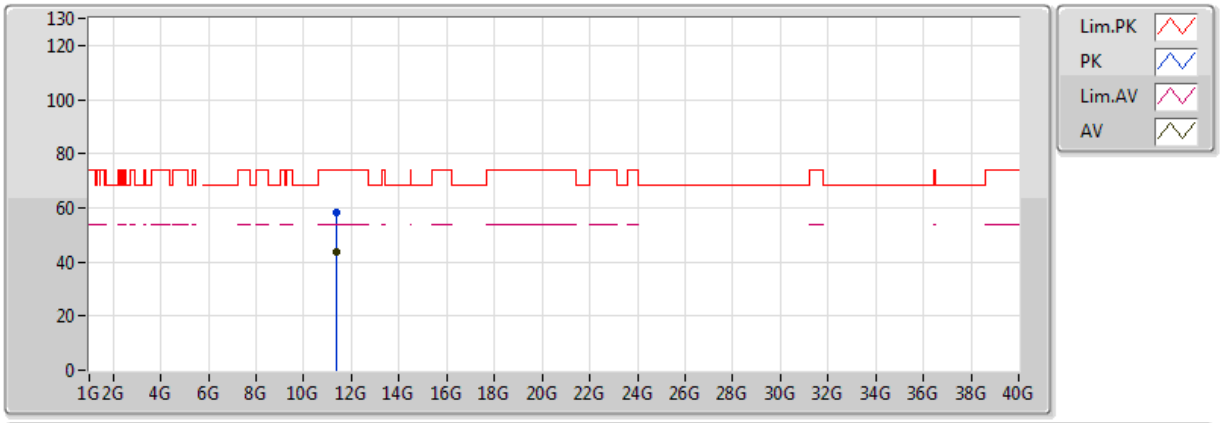


20170928
EUT X_2TX
Setting 18.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.7024G	101.92	Inf	-Inf	10.65	3	Horizontal	225	2.41
AV	5.7252G	50.39	54.00	-3.61	10.65	3	Horizontal	225	2.41
PK	5.7028G	112.97	Inf	-Inf	10.65	3	Horizontal	225	2.41
PK	5.7252G	62.56	74.00	-11.44	10.65	3	Horizontal	225	2.41

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

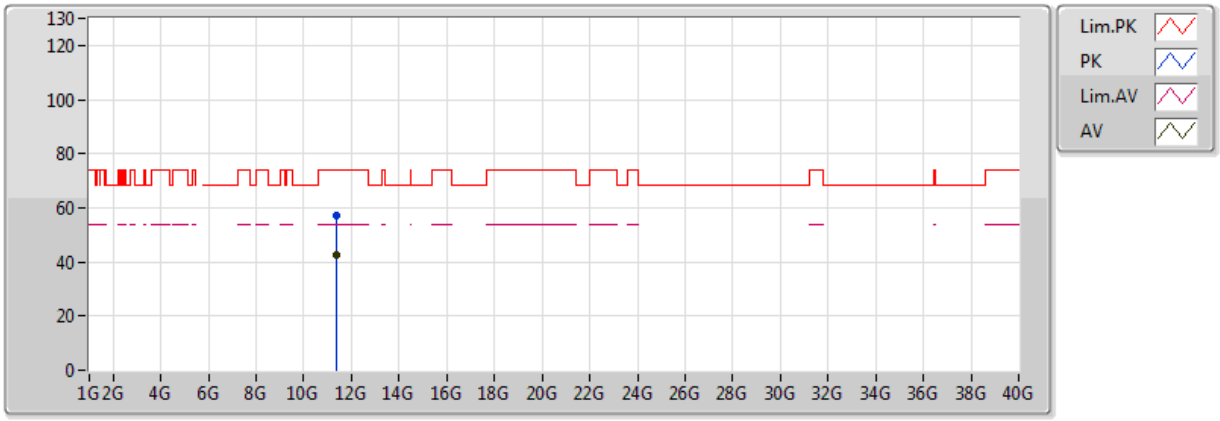


20170928
EUT X_2TX
Setting 18.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.39508G	43.86	54.00	-10.14	16.48	3	Vertical	244	1.72
PK	11.39408G	58.24	74.00	-15.76	16.48	3	Vertical	244	1.72

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

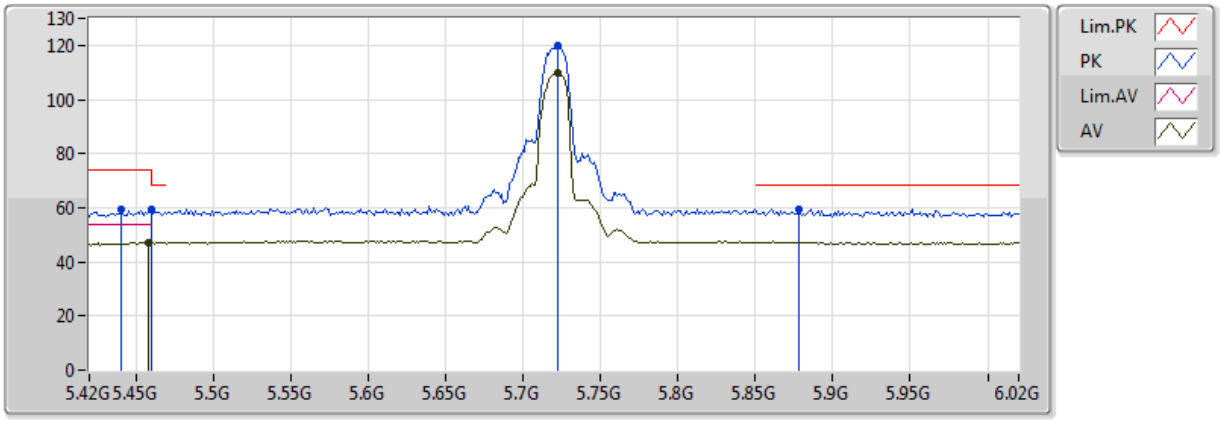


20170928
EUT X_2TX
Setting 18.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.39444G	42.81	54.00	-11.19	16.48	3	Horizontal	355	1.57
PK	11.39212G	57.03	74.00	-16.97	16.48	3	Horizontal	355	1.57

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

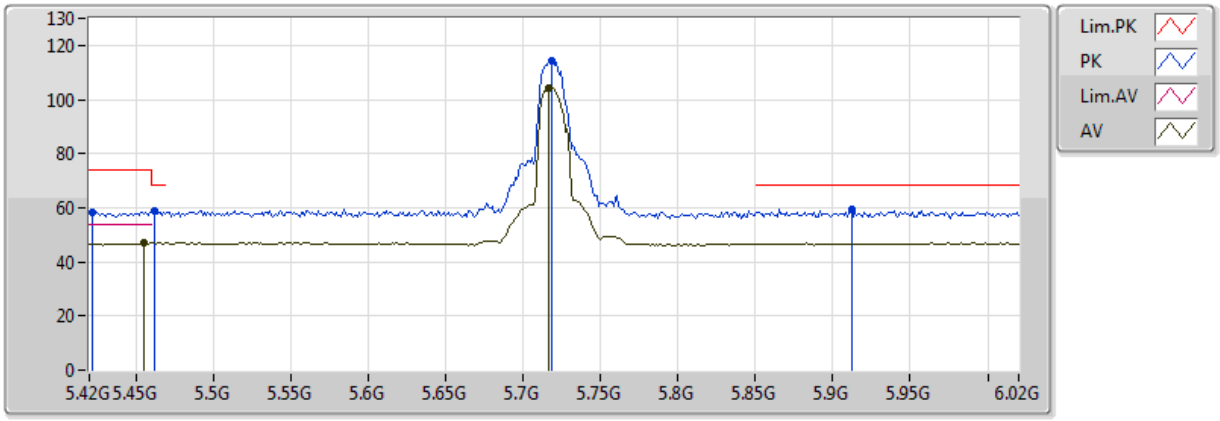


20171115
EUT X_2TX
Setting 22
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4584G	47.16	54.00	-6.84	6.72	3	Vertical	307	1.15
AV	5.7224G	110.10	Inf	-Inf	6.96	3	Vertical	307	1.15
PK	5.4404G	59.31	74.00	-14.69	6.66	3	Vertical	307	1.15
PK	5.460005G	59.15	68.20	-9.05	6.72	3	Vertical	307	1.15
PK	5.7224G	120.14	Inf	-Inf	6.96	3	Vertical	307	1.15
PK	5.8784G	59.41	68.20	-8.79	7.00	3	Vertical	307	1.15

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

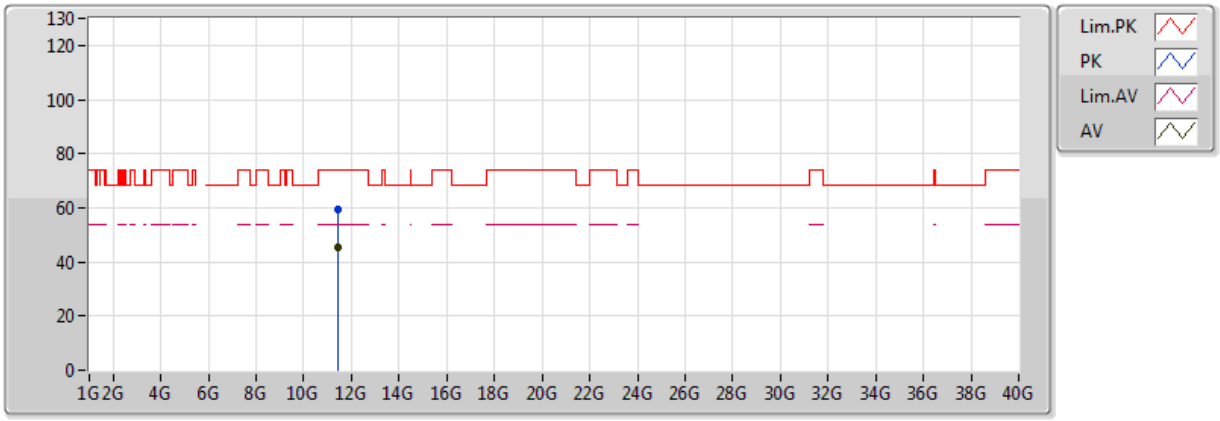


20171115
EUT X_2TX
Setting 22
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4548G	47.06	54.00	-6.94	6.71	3	Horizontal	295	2.08
AV	5.7164G	104.22	Inf	-Inf	6.96	3	Horizontal	295	2.08
PK	5.4224G	58.51	74.00	-15.49	6.60	3	Horizontal	295	2.08
PK	5.462G	58.60	68.20	-9.60	6.73	3	Horizontal	295	2.08
PK	5.7188G	114.17	Inf	-Inf	6.96	3	Horizontal	295	2.08
PK	5.912G	59.30	68.20	-8.90	7.03	3	Horizontal	295	2.08

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

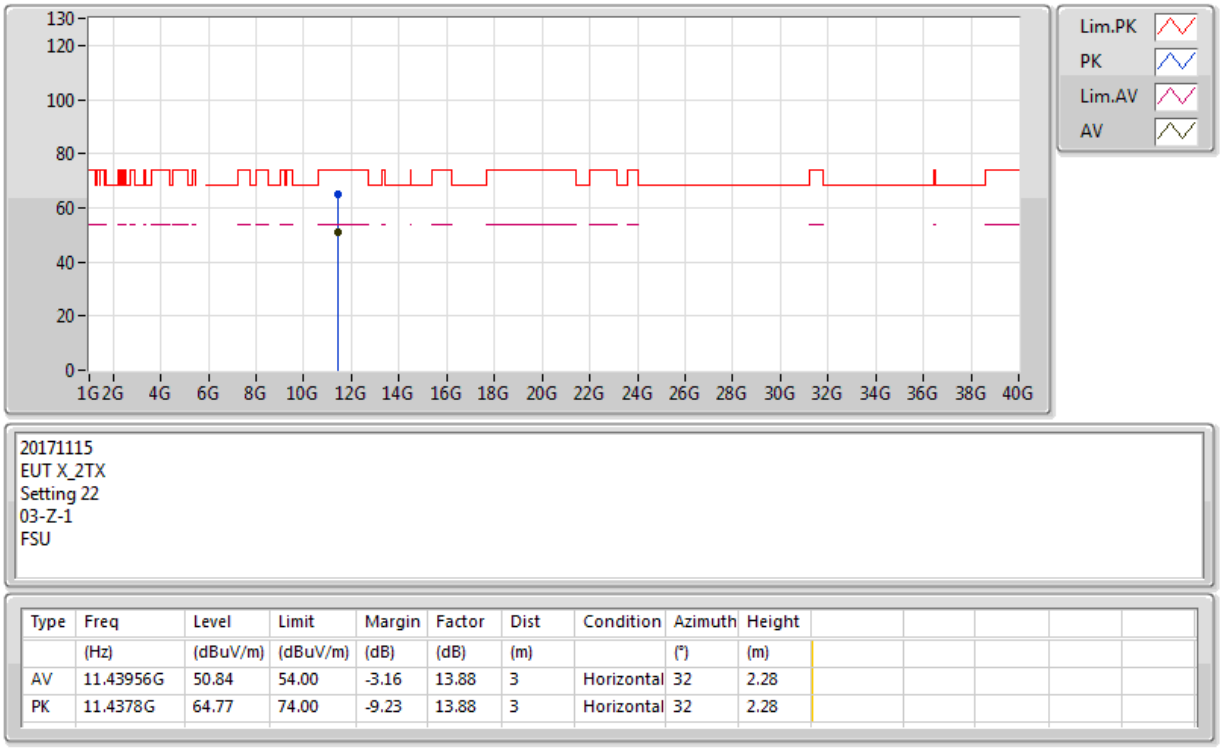


20171115
EUT X_2TX
Setting 22
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.43588G	45.13	54.00	-8.87	13.88	3	Vertical	18	1.71
PK	11.43768G	59.23	74.00	-14.77	13.88	3	Vertical	18	1.71

802.11ac VHT20_Nss1,(MCS0)_2TX

5720MHz Straddle 5.47-5.725GHz_TX

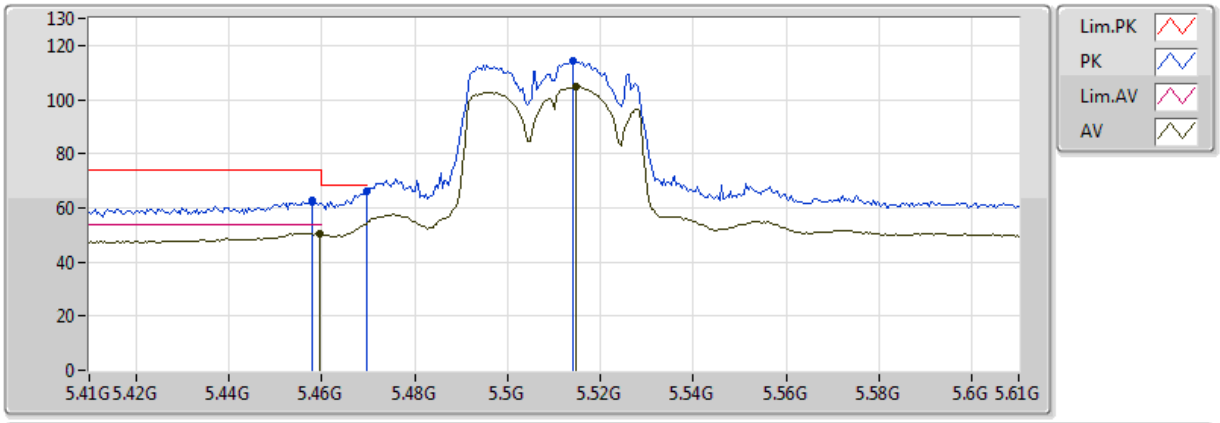


20171115
EUT X_2TX
Setting 22
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.43956G	50.84	54.00	-3.16	13.88	3	Horizontal	32	2.28
PK	11.4378G	64.77	74.00	-9.23	13.88	3	Horizontal	32	2.28

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

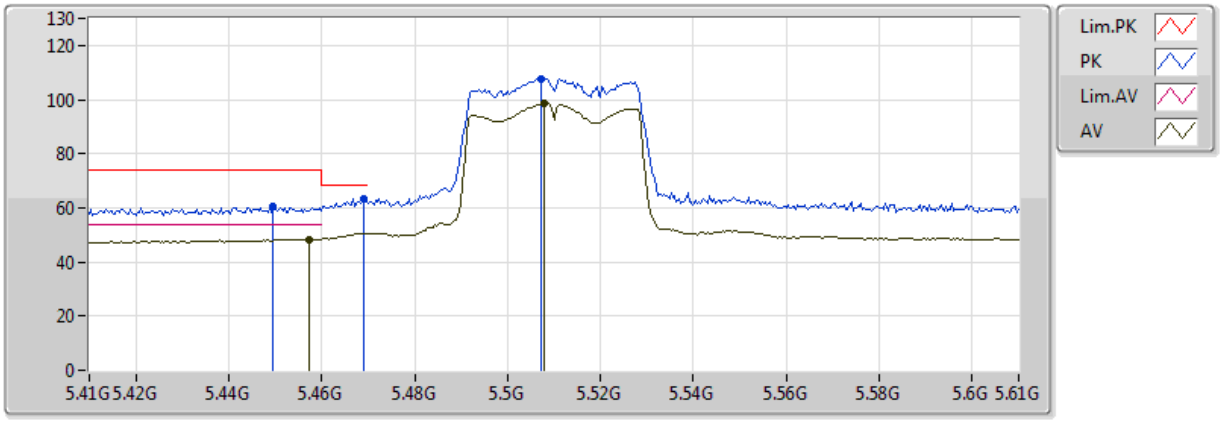


20170929
EUT X_2TX
Setting 17
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4596G	50.53	54.00	-3.47	10.35	3	Vertical	38	1.06
AV	5.5148G	104.60	Inf	-Inf	10.51	3	Vertical	38	1.06
PK	5.458G	62.89	74.00	-11.11	10.35	3	Vertical	38	1.06
PK	5.4696G	66.37	68.20	-1.83	10.39	3	Vertical	38	1.06
PK	5.514G	114.20	Inf	-Inf	10.51	3	Vertical	38	1.06

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

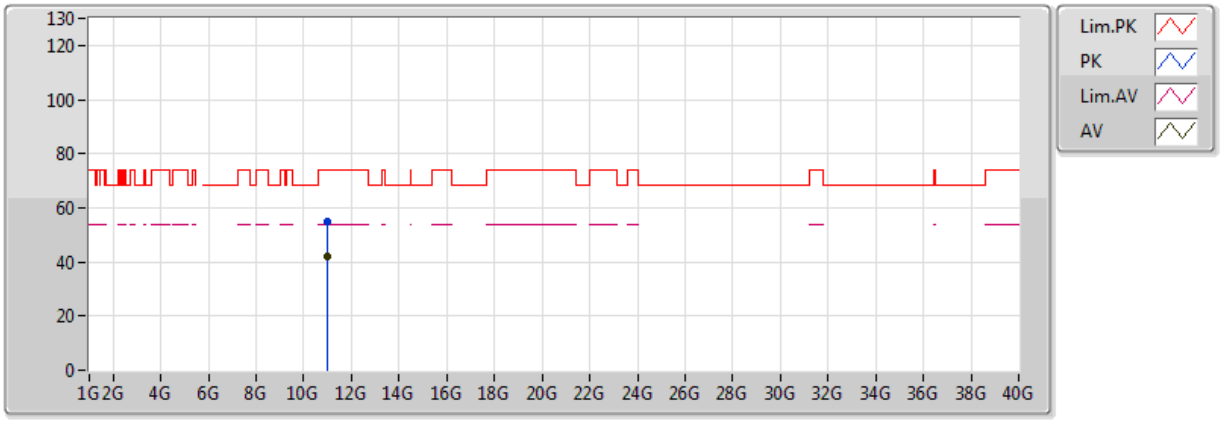


20170929
EUT X_2TX
Setting 17
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4572G	48.37	54.00	-5.63	10.34	3	Horizontal	45	2.37
AV	5.508G	98.60	Inf	-Inf	10.50	3	Horizontal	45	2.37
PK	5.4496G	60.32	74.00	-13.68	10.32	3	Horizontal	45	2.37
PK	5.4692G	63.49	68.20	-4.71	10.39	3	Horizontal	45	2.37
PK	5.5072G	107.76	Inf	-Inf	10.50	3	Horizontal	45	2.37

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

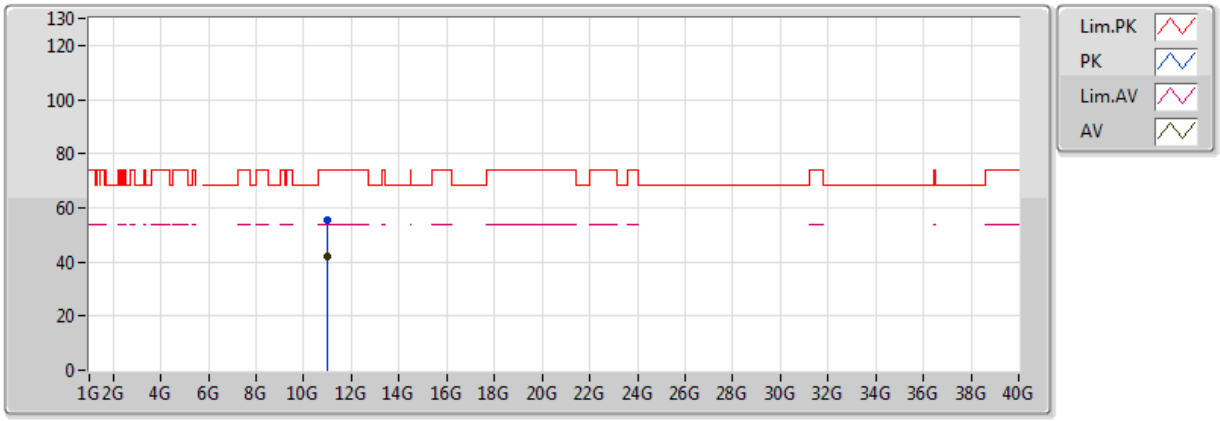


20170929
EUT X_2TX
Setting 17
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.01176G	42.08	54.00	-11.92	16.00	3	Vertical	324	2.29
PK	11.00368G	55.15	74.00	-18.85	15.99	3	Vertical	324	2.29

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

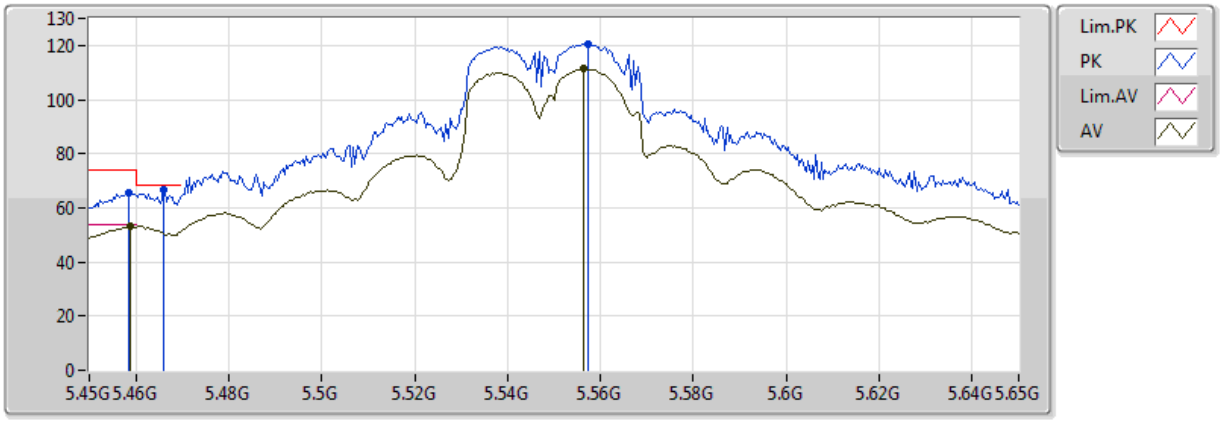


20170929
EUT X_2TX
Setting 17
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.00816G	42.30	54.00	-11.70	16.00	3	Horizontal	78	2.45
PK	11.0108G	55.20	74.00	-18.80	16.00	3	Horizontal	78	2.45

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

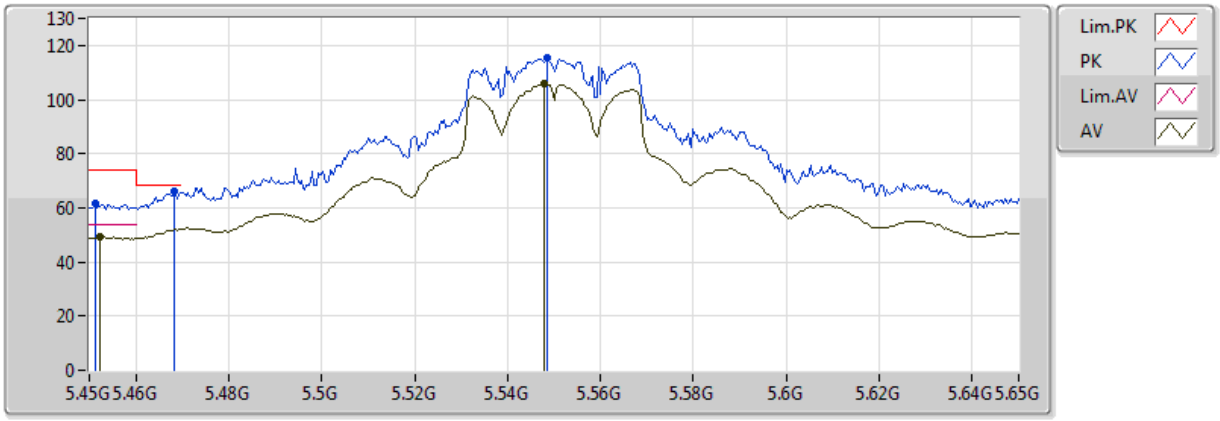


20170929
EUT X_2TX
Setting 23.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4588G	52.97	54.00	-1.03	10.35	3	Vertical	16	2.31
AV	5.5564G	111.25	Inf	-Inf	10.58	3	Vertical	16	2.31
PK	5.4584G	65.79	74.00	-8.21	10.35	3	Vertical	16	2.31
PK	5.466G	66.90	68.20	-1.30	10.37	3	Vertical	16	2.31
PK	5.5572G	120.73	Inf	-Inf	10.58	3	Vertical	16	2.31

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

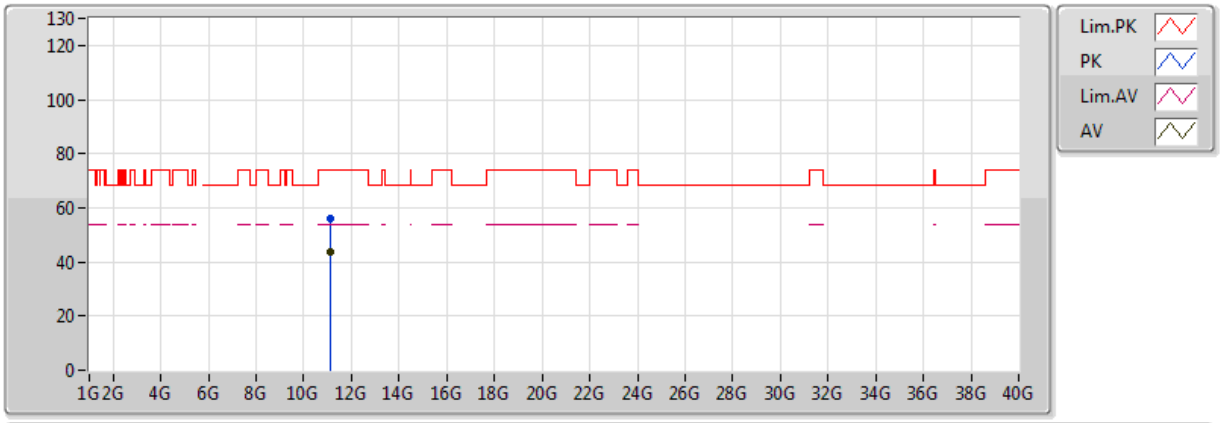


20170929
EUT X_2TX
Setting 23.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4524G	49.22	54.00	-4.78	10.33	3	Horizontal	76	2.42
AV	5.548G	105.81	Inf	-Inf	10.57	3	Horizontal	76	2.42
PK	5.4512G	61.90	74.00	-12.10	10.32	3	Horizontal	76	2.42
PK	5.4684G	65.98	68.20	-2.22	10.38	3	Horizontal	76	2.42
PK	5.5484G	115.39	Inf	-Inf	10.57	3	Horizontal	76	2.42

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

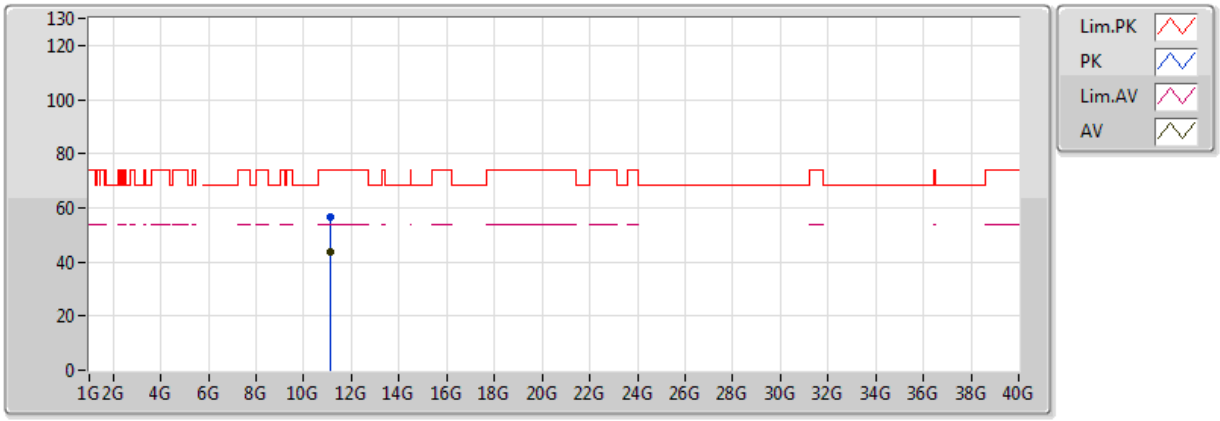


20170929
EUT X_2TX
Setting 23.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.0948G	43.63	54.00	-10.37	16.11	3	Vertical	98	1.05
PK	11.09488G	56.30	74.00	-17.70	16.11	3	Vertical	98	1.05

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

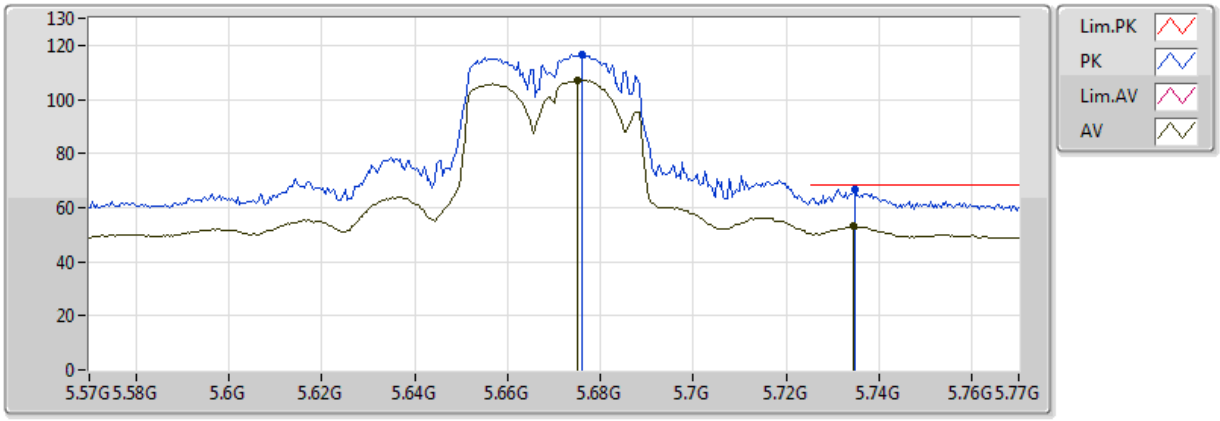


20170929
EUT X_2TX
Setting 23.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.09544G	43.77	54.00	-10.23	16.11	3	Horizontal	167	1.89
PK	11.09656G	56.50	74.00	-17.50	16.11	3	Horizontal	167	1.89

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

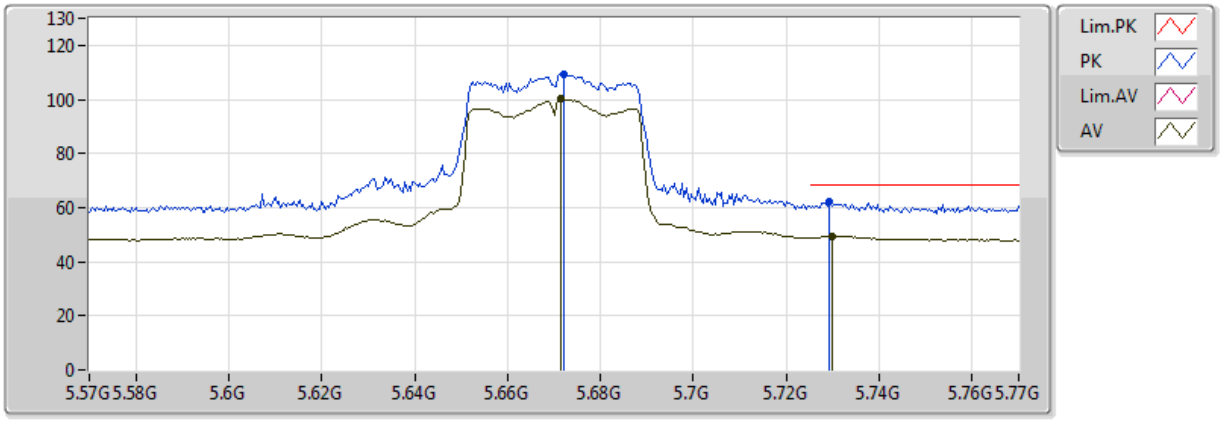


20170929
EUT X_2TX
Setting 20.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.6752G	107.26	Inf	-Inf	10.65	3	Vertical	32	1.01
AV	5.7344G	52.96	54.00	-1.04	10.65	3	Vertical	32	1.01
PK	5.676G	116.42	Inf	-Inf	10.65	3	Vertical	32	1.01
PK	5.7348G	66.77	74.00	-7.23	10.65	3	Vertical	32	1.01

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

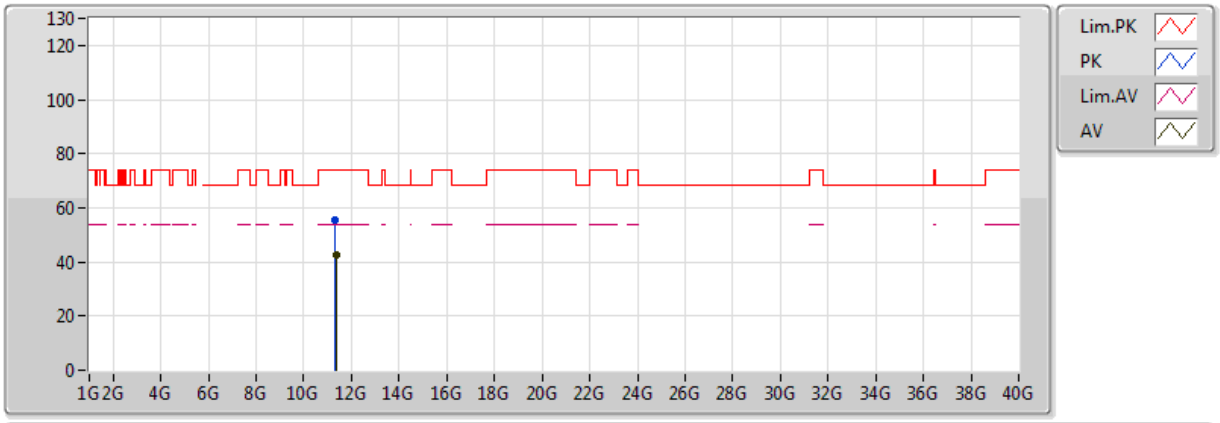


20170929
EUT X_2TX
Setting 20.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.6716G	100.08	Inf	-Inf	10.65	3	Horizontal	71	2.48
AV	5.73G	49.47	54.00	-4.53	10.65	3	Horizontal	71	2.48
PK	5.672G	109.33	Inf	-Inf	10.65	3	Horizontal	71	2.48
PK	5.7292G	62.20	74.00	-11.80	10.65	3	Horizontal	71	2.48

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

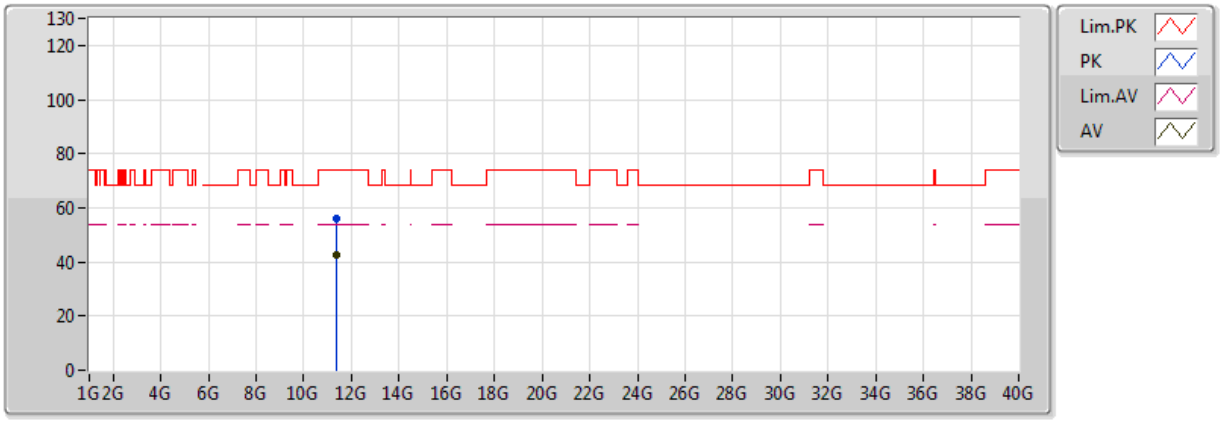


20170929
EUT X_2TX
Setting 20.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.35608G	42.46	54.00	-11.54	16.44	3	Vertical	45	1.87
PK	11.32504G	55.60	74.00	-18.40	16.40	3	Vertical	45	1.87

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

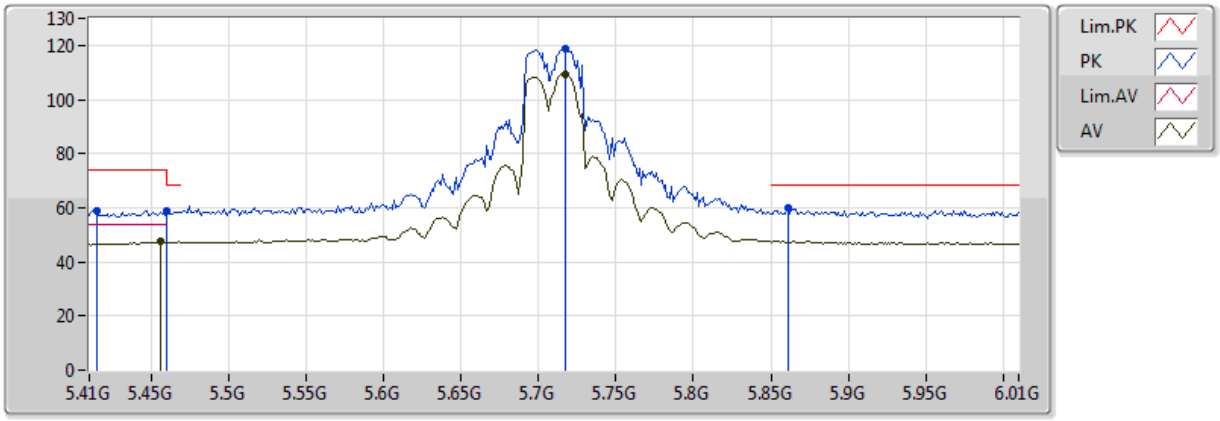


20170929
EUT X_2TX
Setting 20.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.3528G	42.49	54.00	-11.51	16.43	3	Horizontal	320	1.94
PK	11.34424G	55.99	74.00	-18.01	16.42	3	Horizontal	320	1.94

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

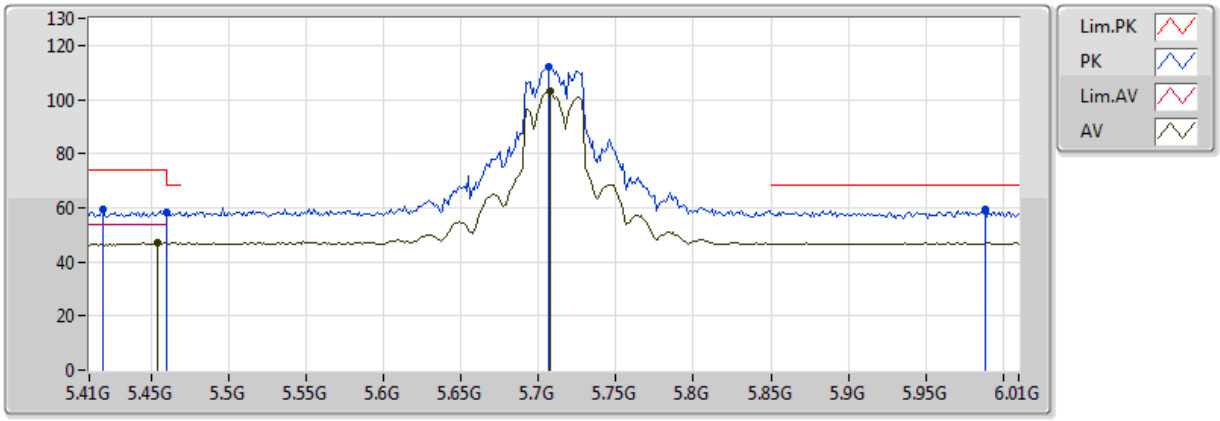


20171115
EUT X_2TX
Setting 26.5
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4556G	47.36	54.00	-6.64	6.71	3	Vertical	313	2.25
AV	5.7172G	109.48	Inf	-Inf	6.96	3	Vertical	313	2.25
PK	5.4148G	59.07	74.00	-14.93	6.57	3	Vertical	313	2.25
PK	5.4604G	58.66	68.20	-9.54	6.73	3	Vertical	313	2.25
PK	5.7172G	119.02	Inf	-Inf	6.96	3	Vertical	313	2.25
PK	5.8612G	59.80	68.20	-8.40	6.98	3	Vertical	313	2.25

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

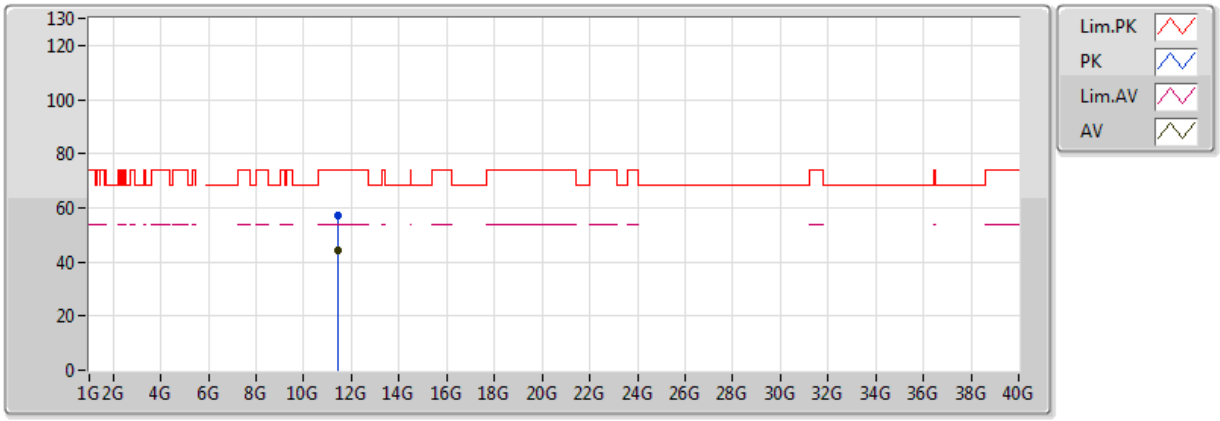


20171115
EUT X_2TX
Setting 26.5
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4544G	47.04	54.00	-6.96	6.70	3	Horizontal	294	2.12
AV	5.7076G	102.98	Inf	-Inf	6.97	3	Horizontal	294	2.12
PK	5.4184G	59.56	74.00	-14.44	6.58	3	Horizontal	294	2.12
PK	5.4604G	58.42	68.20	-9.78	6.73	3	Horizontal	294	2.12
PK	5.7064G	112.31	Inf	-Inf	6.97	3	Horizontal	294	2.12
PK	5.9884G	59.17	68.20	-9.03	7.12	3	Horizontal	294	2.12

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

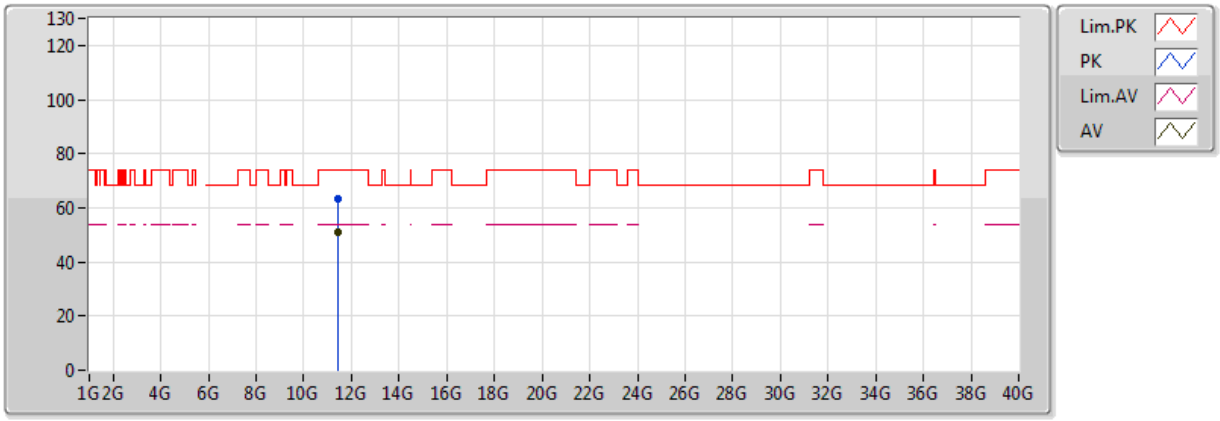


20171115
EUT X_2TX
Setting 26.5
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.42008G	44.48	54.00	-9.52	13.86	3	Vertical	13	1.01
PK	11.42396G	57.38	74.00	-16.62	13.87	3	Vertical	13	1.01

802.11ac VHT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.47-5.725GHz_TX

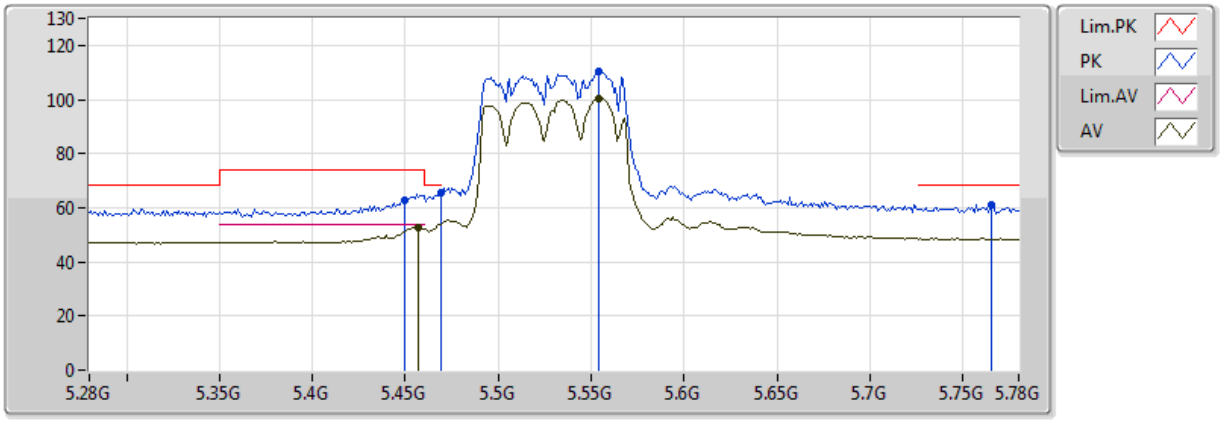


20171115
EUT X_2TX
Setting 26.5
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.41988G	50.94	54.00	-3.06	13.86	3	Horizontal	30	2.27
PK	11.41896G	63.09	74.00	-10.91	13.86	3	Horizontal	30	2.27

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

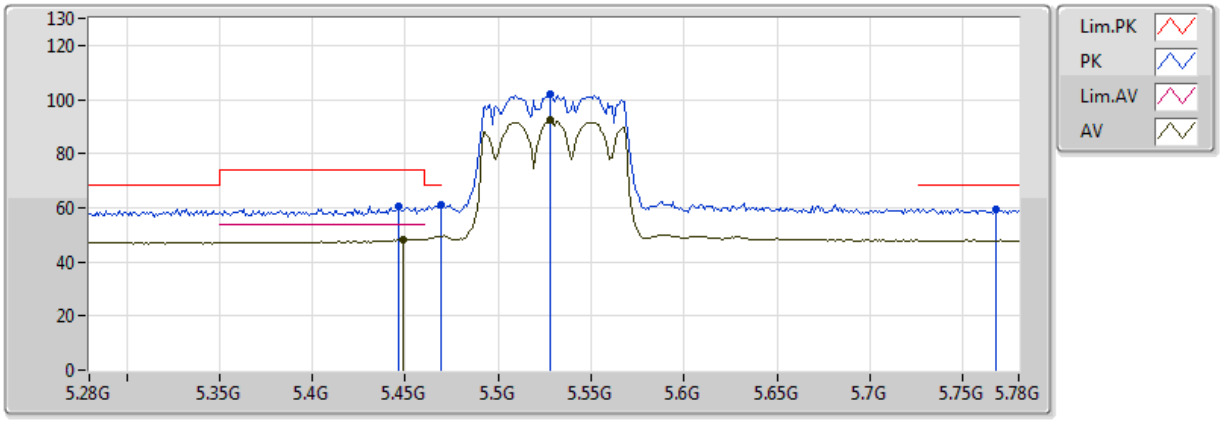


20170929
EUT X_2TX
Setting 16
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.457G	52.83	54.00	-1.17	10.34	3	Vertical	43	1.03
AV	5.554G	100.23	Inf	-Inf	10.58	3	Vertical	43	1.03
PK	5.45G	62.80	74.00	-11.20	10.32	3	Vertical	43	1.03
PK	5.469G	65.78	68.20	-2.42	10.38	3	Vertical	43	1.03
PK	5.554G	110.49	Inf	-Inf	10.58	3	Vertical	43	1.03
PK	5.765G	61.24	68.20	-6.96	10.65	3	Vertical	43	1.03

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

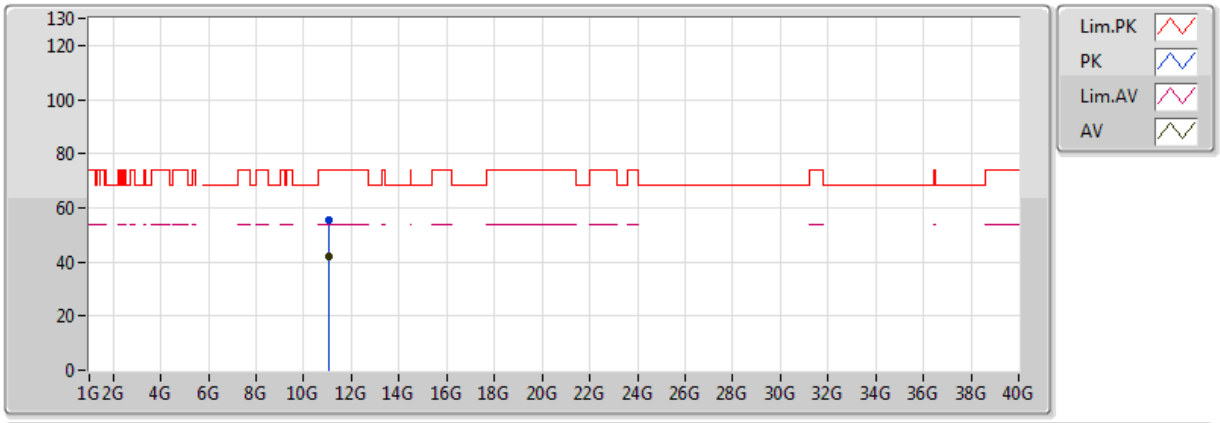


20170929
EUT X_2TX
Setting 16
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.449G	48.46	54.00	-5.54	10.32	3	Horizontal	93	2.33
AV	5.528G	92.62	Inf	-Inf	10.53	3	Horizontal	93	2.33
PK	5.446G	60.65	74.00	-13.35	10.31	3	Horizontal	93	2.33
PK	5.469G	61.06	68.20	-7.14	10.38	3	Horizontal	93	2.33
PK	5.528G	102.16	Inf	-Inf	10.53	3	Horizontal	93	2.33
PK	5.768G	59.57	68.20	-8.63	10.65	3	Horizontal	93	2.33

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

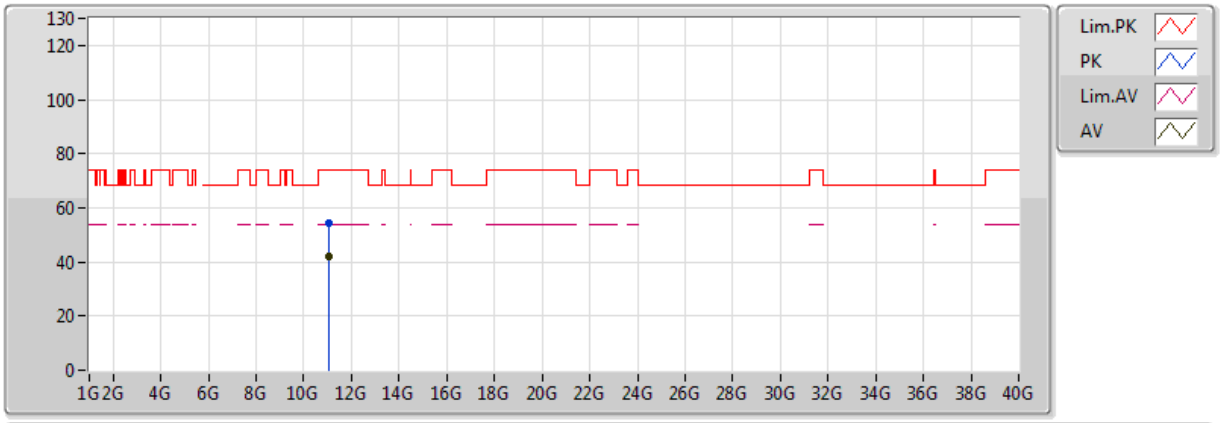


20170929
EUT X_2TX
Setting 16
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.0728G	42.00	54.00	-12.00	16.08	3	Vertical	132	1.24
PK	11.07952G	55.34	74.00	-18.66	16.09	3	Vertical	132	1.24

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

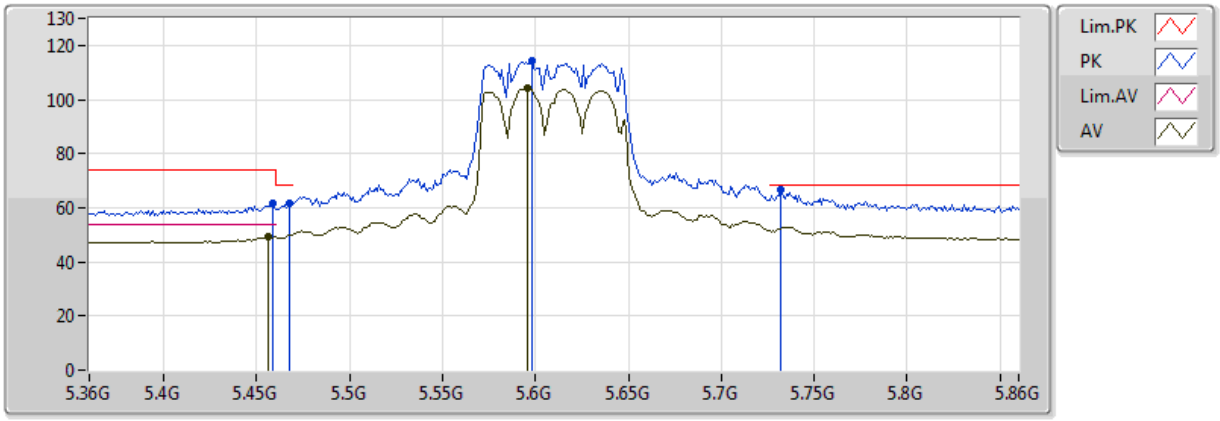


20170929
EUT X_2TX
Setting 16
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.0344G	41.84	54.00	-12.16	16.03	3	Horizontal	48	1.32
PK	11.04096G	54.59	74.00	-19.41	16.04	3	Horizontal	48	1.32

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

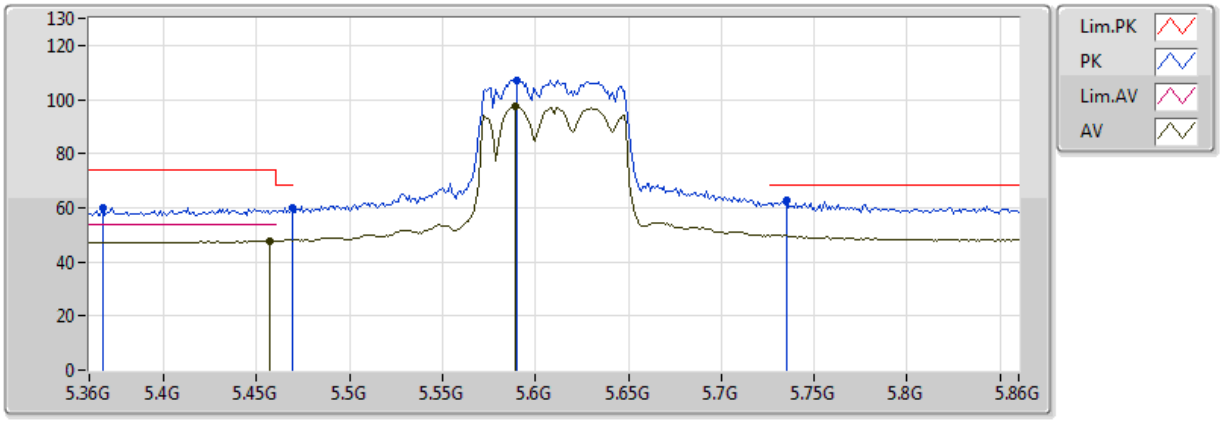


20170929
EUT X_2TX
Setting 20
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.456G	49.42	54.00	-4.58	10.34	3	Vertical	37	1.05
AV	5.596G	103.97	Inf	-Inf	10.64	3	Vertical	37	1.05
PK	5.459G	61.73	74.00	-12.27	10.35	3	Vertical	37	1.05
PK	5.468G	61.60	68.20	-6.60	10.38	3	Vertical	37	1.05
PK	5.598G	114.05	Inf	-Inf	10.65	3	Vertical	37	1.05
PK	5.732G	66.80	68.20	-1.40	10.65	3	Vertical	37	1.05

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

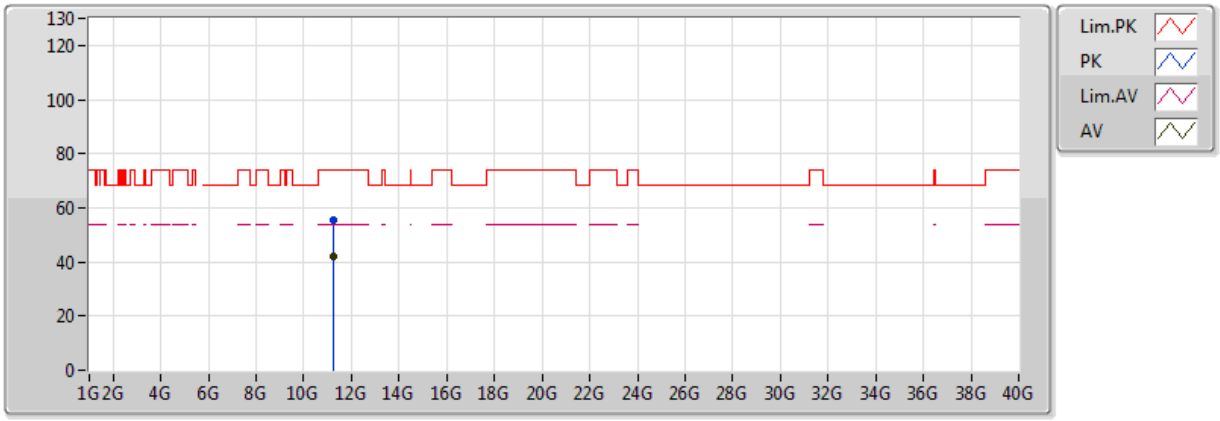


20170929
EUT X_2TX
Setting 20
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.457G	47.72	54.00	-6.28	10.34	3	Horizontal	79	2.39
AV	5.589G	97.44	Inf	-Inf	10.63	3	Horizontal	79	2.39
PK	5.367G	59.97	74.00	-14.03	10.11	3	Horizontal	79	2.39
PK	5.469G	60.14	68.20	-8.06	10.38	3	Horizontal	79	2.39
PK	5.59G	107.22	Inf	-Inf	10.63	3	Horizontal	79	2.39
PK	5.735G	62.74	68.20	-5.46	10.65	3	Horizontal	79	2.39

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

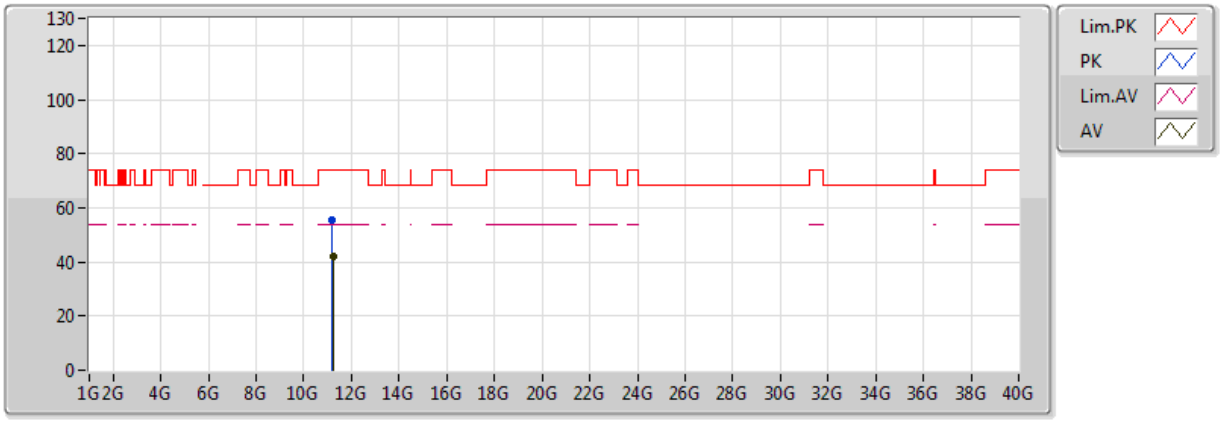


20170929
EUT X_2TX
Setting 20
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.25584G	42.30	54.00	-11.70	16.31	3	Vertical	219	2.46
PK	11.21936G	55.62	74.00	-18.38	16.26	3	Vertical	219	2.46

802.11ac VHT80_Nss1,(MCS0)_2TX

5610MHz_TX

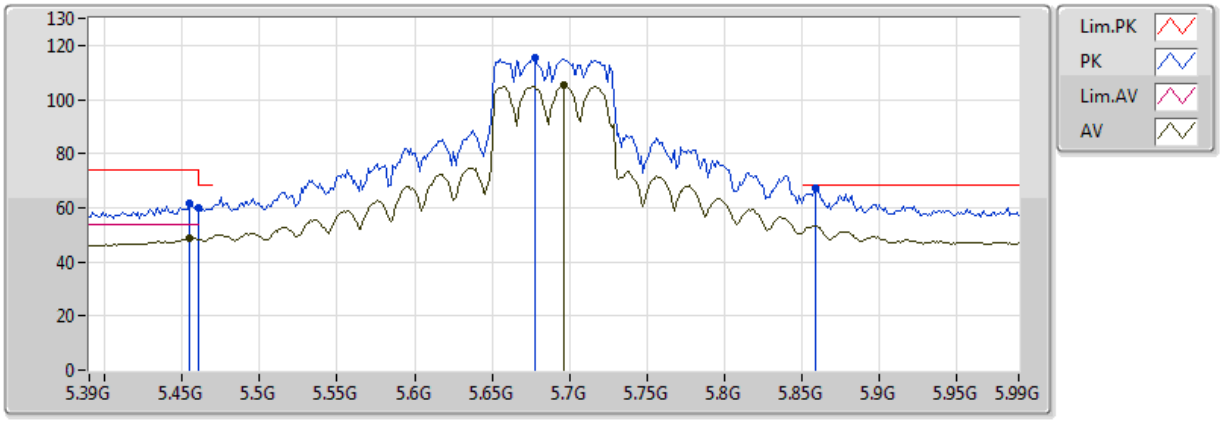


20170929
EUT X_2TX
Setting 20
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.23552G	42.07	54.00	-11.93	16.28	3	Horizontal	192	1.95
PK	11.18448G	55.37	74.00	-18.63	16.22	3	Horizontal	192	1.95

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

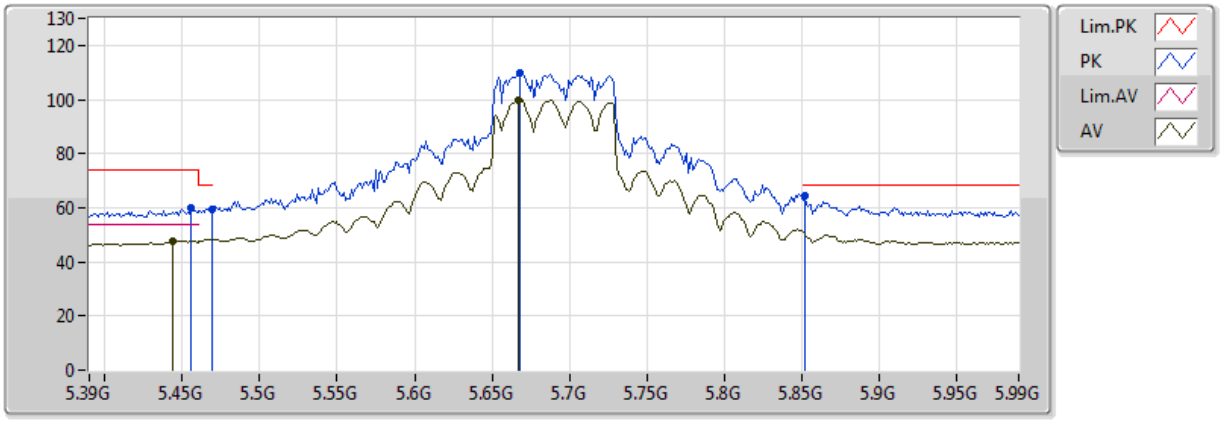


20171115
EUT X_2TX
Setting 23.5
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.4548G	49.03	54.00	-4.97	6.71	3	Vertical	315	2.28
AV	5.696G	105.22	Inf	-Inf	6.97	3	Vertical	315	2.28
PK	5.4548G	61.50	74.00	-12.50	6.71	3	Vertical	315	2.28
PK	5.460005G	59.99	68.20	-8.21	6.72	3	Vertical	315	2.28
PK	5.678G	115.28	Inf	-Inf	6.98	3	Vertical	315	2.28
PK	5.8592G	67.01	68.20	-1.19	6.98	3	Vertical	315	2.28

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

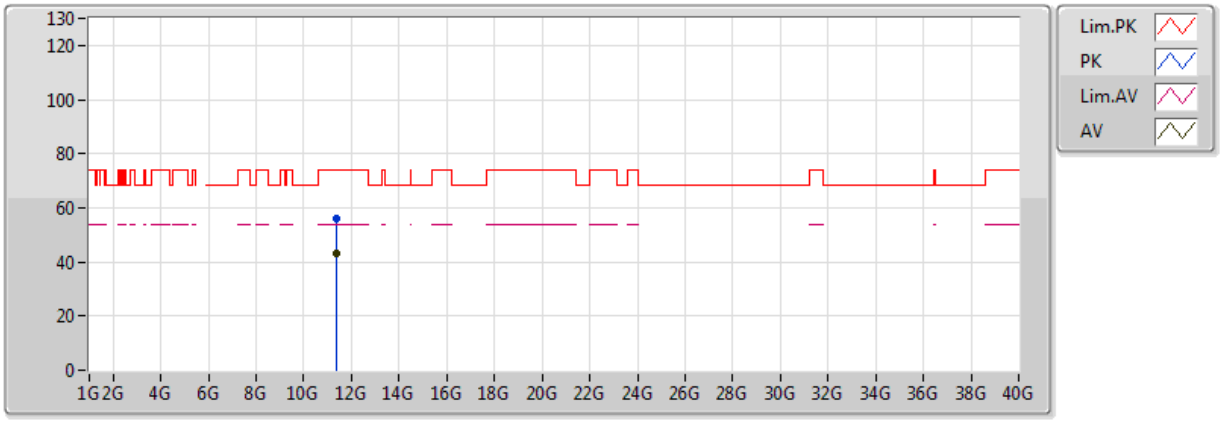


20171115
EUT X_2TX
Setting 23.5
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.444G	47.71	54.00	-6.29	6.67	3	Horizontal	291	2.03
AV	5.6672G	99.78	Inf	-Inf	6.99	3	Horizontal	291	2.03
PK	5.456G	60.05	74.00	-13.95	6.71	3	Horizontal	291	2.03
PK	5.4692G	59.56	68.20	-8.64	6.76	3	Horizontal	291	2.03
PK	5.6684G	109.77	Inf	-Inf	6.99	3	Horizontal	291	2.03
PK	5.852G	64.62	68.20	-3.58	6.97	3	Horizontal	291	2.03

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX

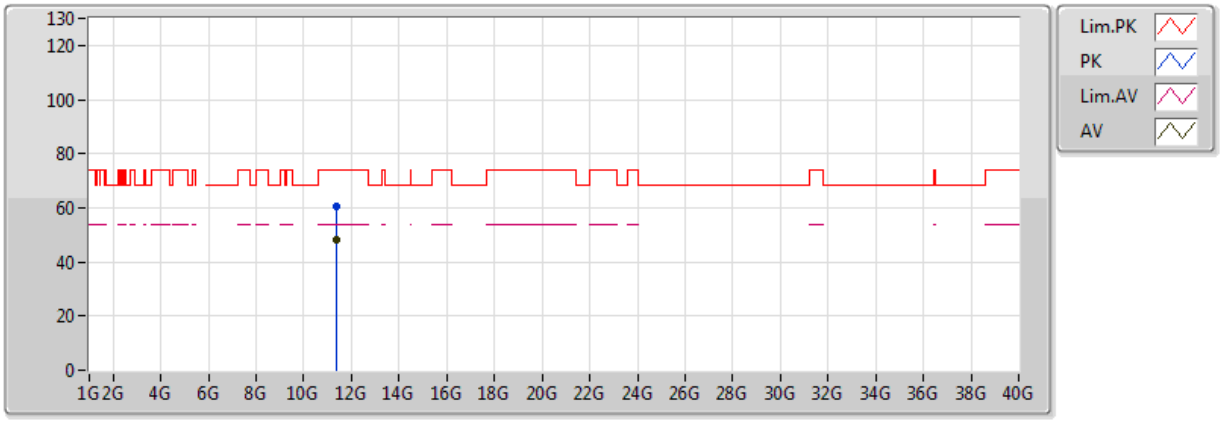


20171115
EUT X_2TX
Setting 23.5
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.3796G	42.93	54.00	-11.07	13.83	3	Vertical	18	1.67
PK	11.37408G	56.13	74.00	-17.87	13.82	3	Vertical	18	1.67

802.11ac VHT80_Nss1,(MCS0)_2TX

5690MHz Straddle 5.47-5.725GHz_TX



20171115
EUT X_2TX
Setting 23.5
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.37984G	47.92	54.00	-6.08	13.83	3	Horizontal	33	2.25
PK	11.3964G	60.55	74.00	-13.45	13.84	3	Horizontal	33	2.25

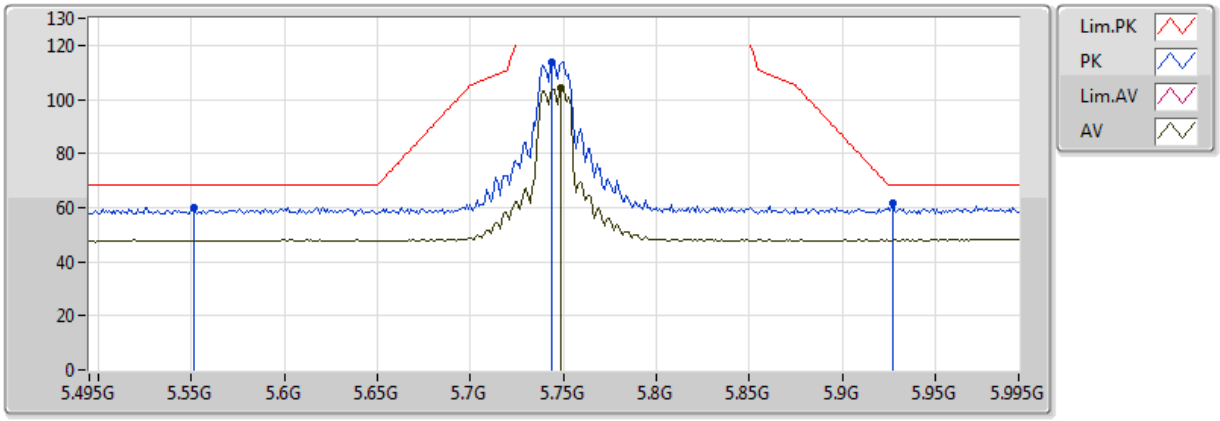
Test Mode: Mode 2-Radio 2 (B4)

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.643G	66.84	68.20	-1.36	10.65	3	Vertical	37	1.00	-

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

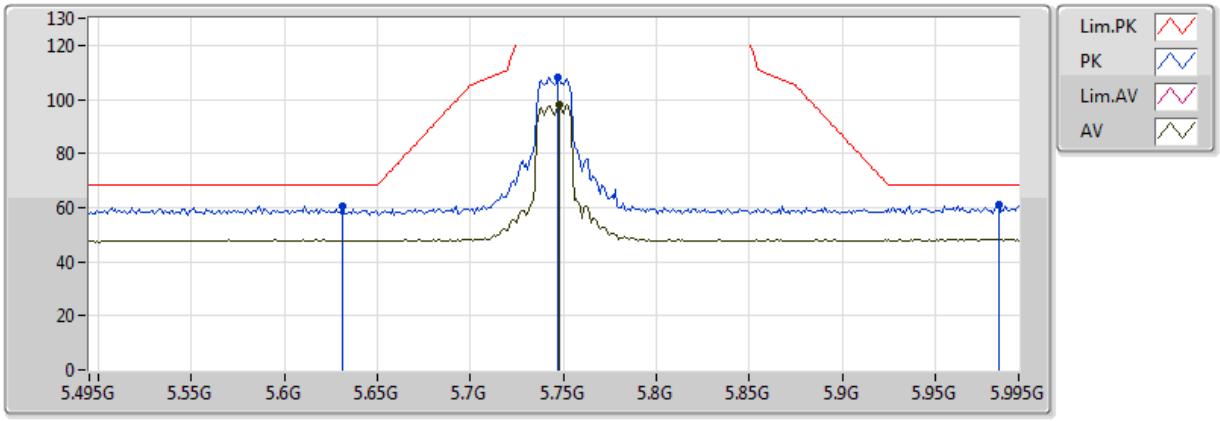


20170928
EUT X_2TX
Setting 23
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.749G	104.16	Inf	-Inf	10.65	3	Vertical	140	1.03
PK	5.551G	60.08	68.20	-8.12	10.57	3	Vertical	140	1.03
PK	5.744G	113.75	Inf	-Inf	10.65	3	Vertical	140	1.03
PK	5.927G	61.38	68.20	-6.82	10.82	3	Vertical	140	1.03

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

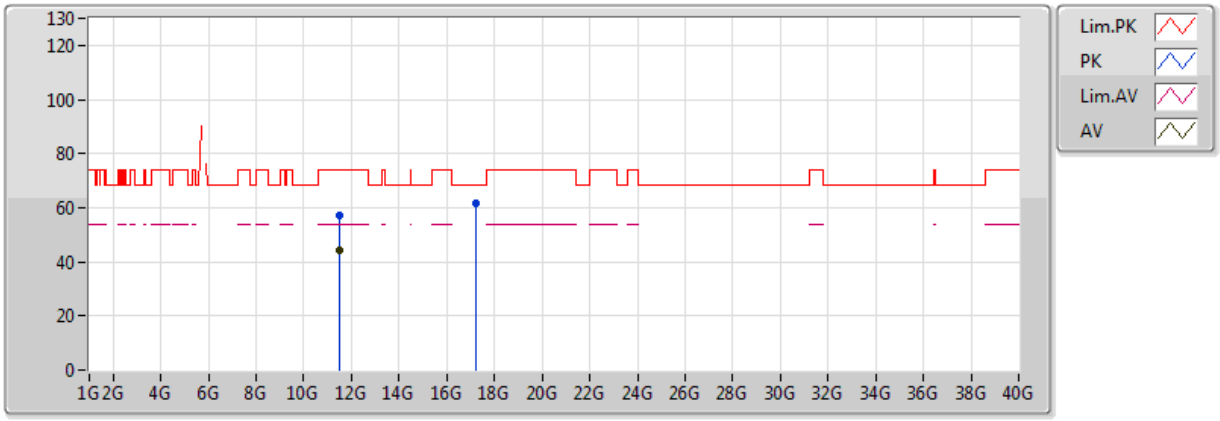


20170928
EUT X_2TX
Setting 23
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.748G	97.96	Inf	-Inf	10.65	3	Horizontal	149	2.29
PK	5.631G	60.72	68.20	-7.48	10.65	3	Horizontal	149	2.29
PK	5.747G	108.16	Inf	-Inf	10.65	3	Horizontal	149	2.29
PK	5.984G	61.07	68.20	-7.13	10.89	3	Horizontal	149	2.29

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

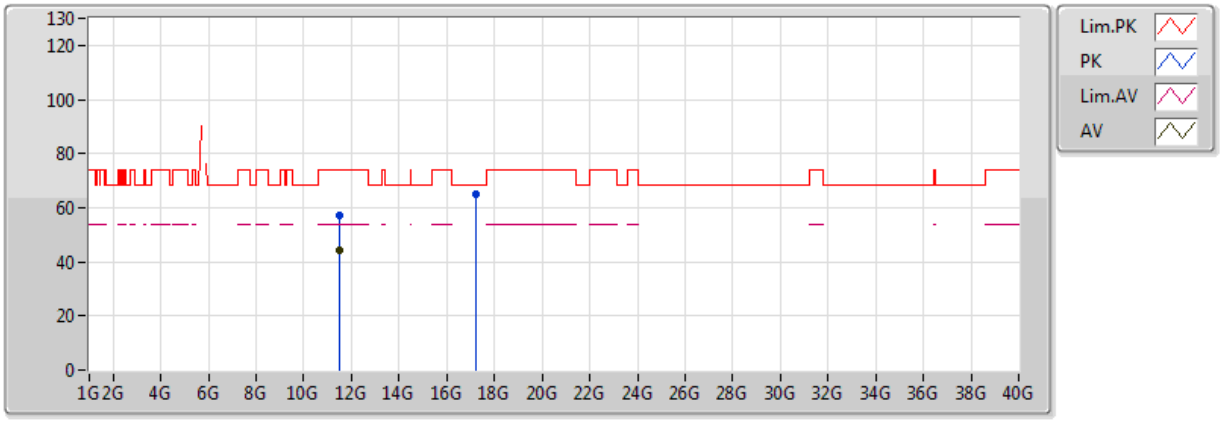


20170928
EUT X_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.48846G	44.00	54.00	-10.00	16.60	3	Vertical	199	1.55
PK	11.49444G	57.19	74.00	-16.81	16.61	3	Vertical	199	1.55
PK	17.23156G	61.79	68.20	-6.41	23.06	3	Vertical	285	1.50

802.11a_Nss1,(6Mbps)_2TX

5745MHz_TX

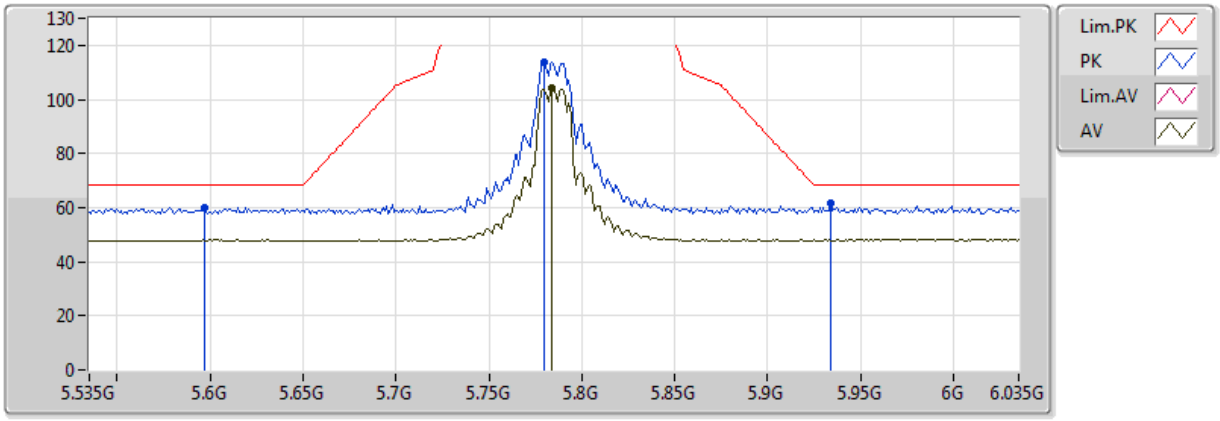


20170928
EUT X_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.48788G	44.05	54.00	-9.95	16.60	3	Horizontal	126	1.29
PK	11.48768G	57.26	74.00	-16.74	16.60	3	Horizontal	126	1.29
PK	17.23988G	64.89	68.20	-3.31	23.11	3	Horizontal	244	2.41

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

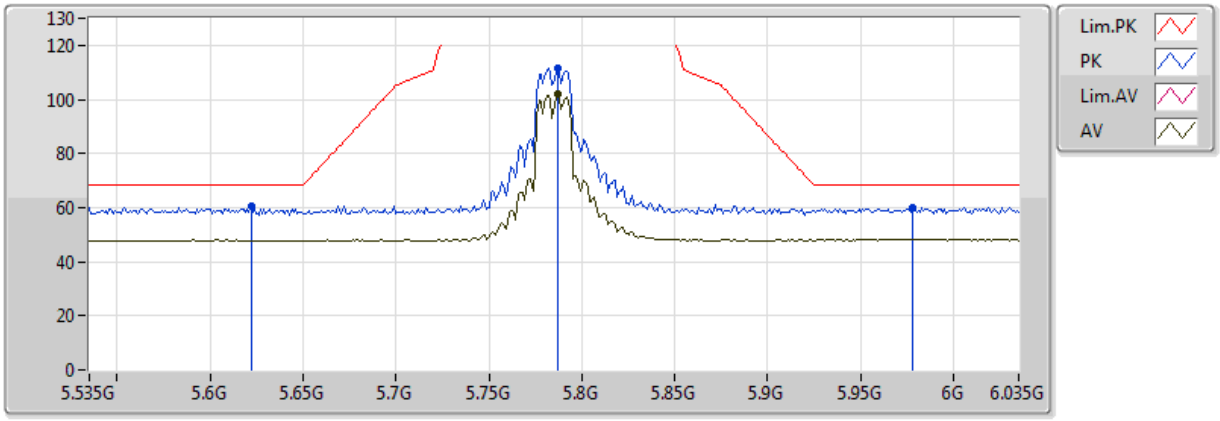


20170928
EUT X_2TX
Setting 22
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.784G	104.42	Inf	-Inf	10.65	3	Vertical	138	1.00
PK	5.597G	60.16	68.20	-8.04	10.65	3	Vertical	138	1.00
PK	5.78G	113.67	Inf	-Inf	10.65	3	Vertical	138	1.00
PK	5.934G	61.38	68.20	-6.82	10.82	3	Vertical	138	1.00

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

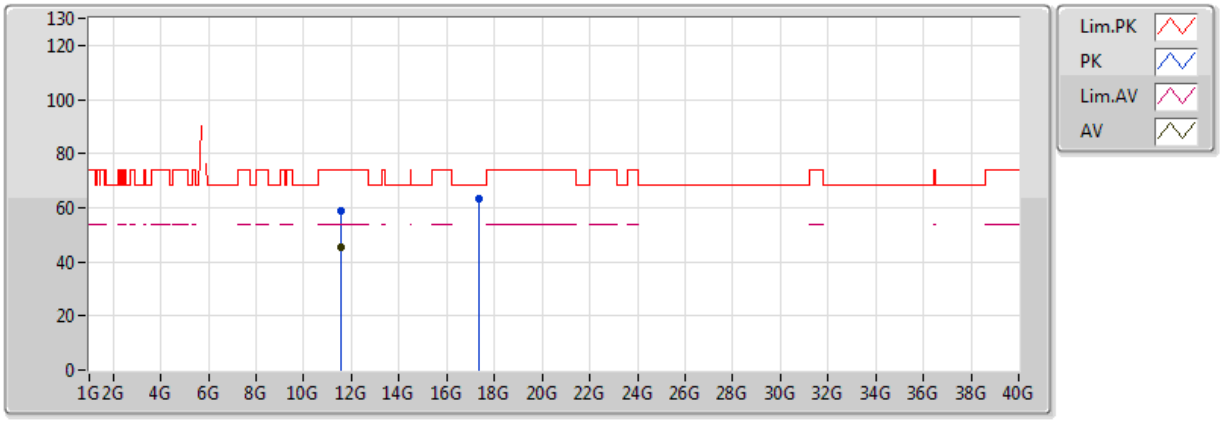


20170928
EUT X_2TX
Setting 22
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.787G	101.76	Inf	-Inf	10.65	3	Horizontal	144	2.35
PK	5.622G	60.71	68.20	-7.49	10.65	3	Horizontal	144	2.35
PK	5.787G	111.35	Inf	-Inf	10.65	3	Horizontal	144	2.35
PK	5.978G	59.97	68.20	-8.23	10.88	3	Horizontal	144	2.35

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

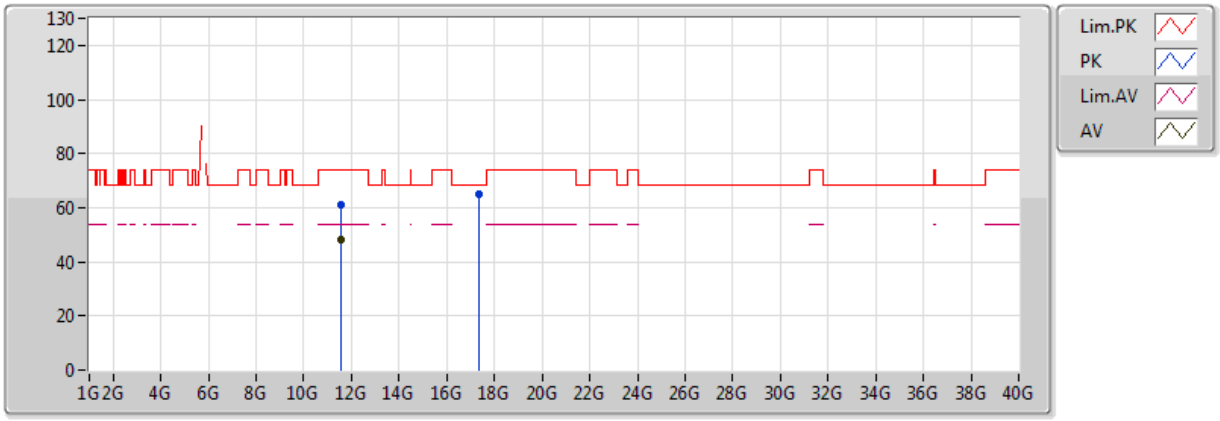


20170928
EUT X_2TX
Setting 22
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.5678G	45.51	54.00	-8.49	16.70	3	Vertical	113	1.98
PK	11.5669G	58.95	74.00	-15.05	16.70	3	Vertical	113	1.98
PK	17.3508G	63.49	68.20	-4.71	23.76	3	Vertical	93	2.57

802.11a_Nss1,(6Mbps)_2TX

5785MHz_TX

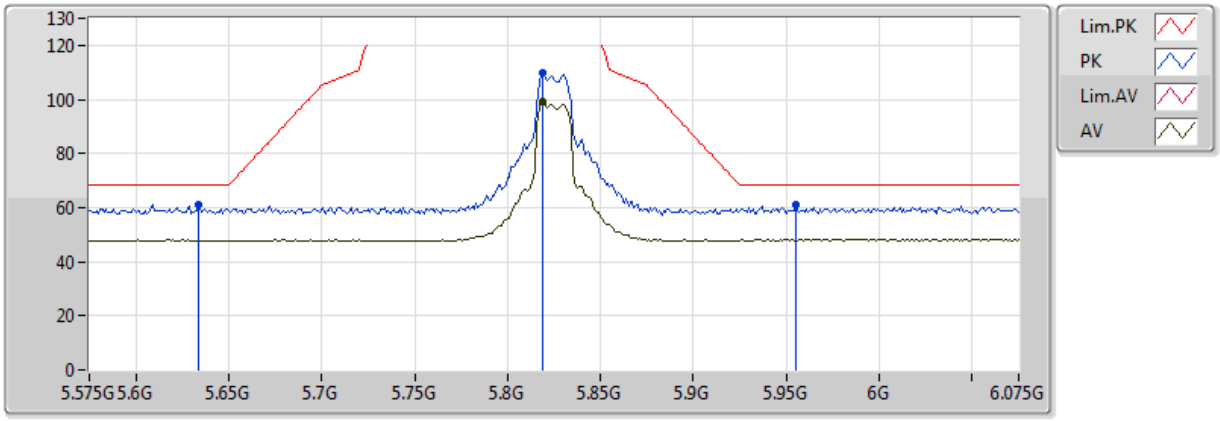


20170928
EUT X_2TX
Setting 22
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56818G	48.39	54.00	-5.61	16.70	3	Horizontal	214	2.07
PK	11.57294G	60.99	74.00	-13.01	16.71	3	Horizontal	214	2.07
PK	17.35096G	64.96	68.20	-3.24	23.76	3	Horizontal	276	2.04

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

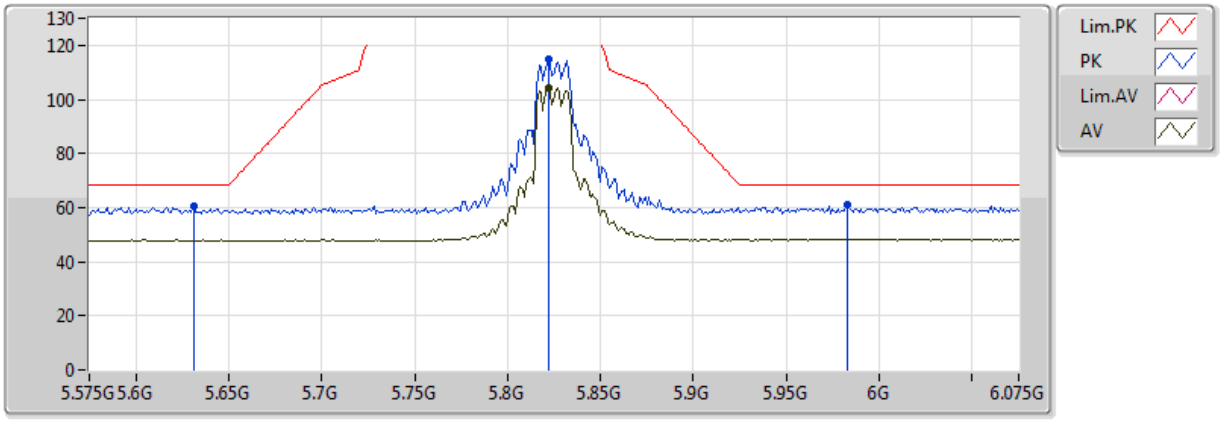


20170928
EUT X_2TX
Setting 23
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.819G	99.20	Inf	-Inf	10.67	3	Vertical	285	1.01
PK	5.634G	61.28	68.20	-6.92	10.65	3	Vertical	285	1.01
PK	5.819G	109.93	Inf	-Inf	10.67	3	Vertical	285	1.01
PK	5.955G	61.31	68.20	-6.89	10.85	3	Vertical	285	1.01

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

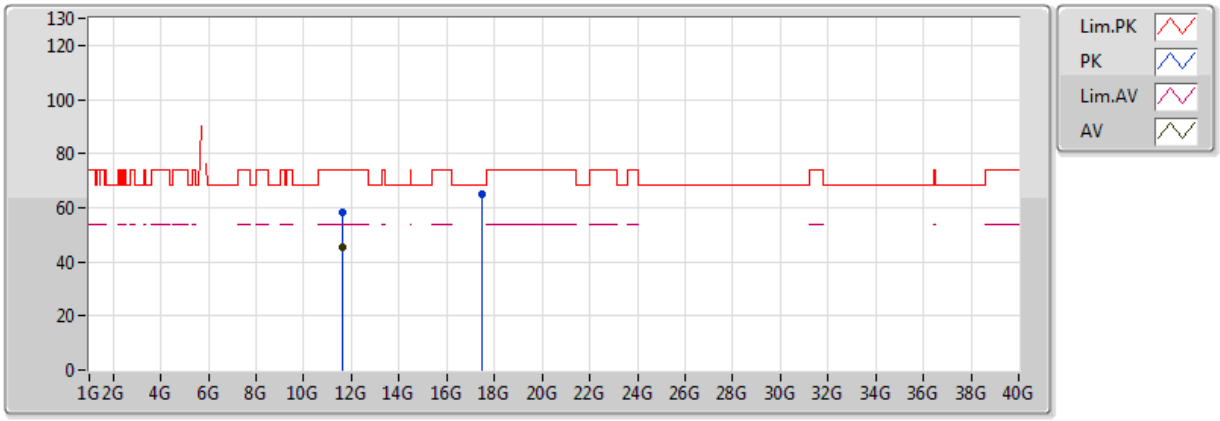


20170928
EUT X_2TX
Setting 23
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.822G	104.35	Inf	-Inf	10.68	3	Horizontal	137	2.32
PK	5.631G	60.47	68.20	-7.73	10.65	3	Horizontal	137	2.32
PK	5.822G	114.63	Inf	-Inf	10.68	3	Horizontal	137	2.32
PK	5.983G	60.91	68.20	-7.29	10.89	3	Horizontal	137	2.32

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

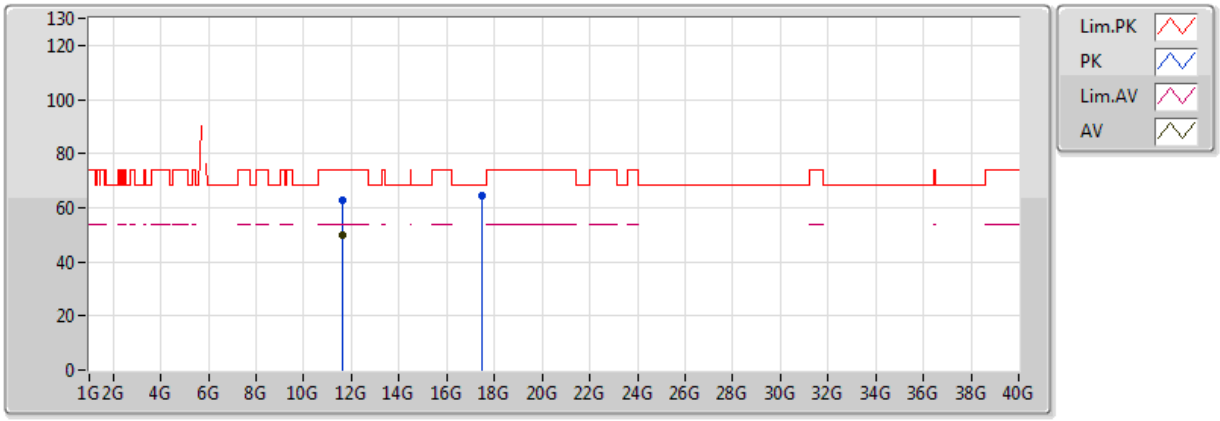


20170928
EUT X_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64854G	45.50	54.00	-8.50	16.80	3	Vertical	296	2.31
PK	11.64804G	58.42	74.00	-15.58	16.80	3	Vertical	296	2.31
PK	17.47624G	64.79	68.20	-3.41	24.50	3	Vertical	159	2.54

802.11a_Nss1,(6Mbps)_2TX

5825MHz_TX

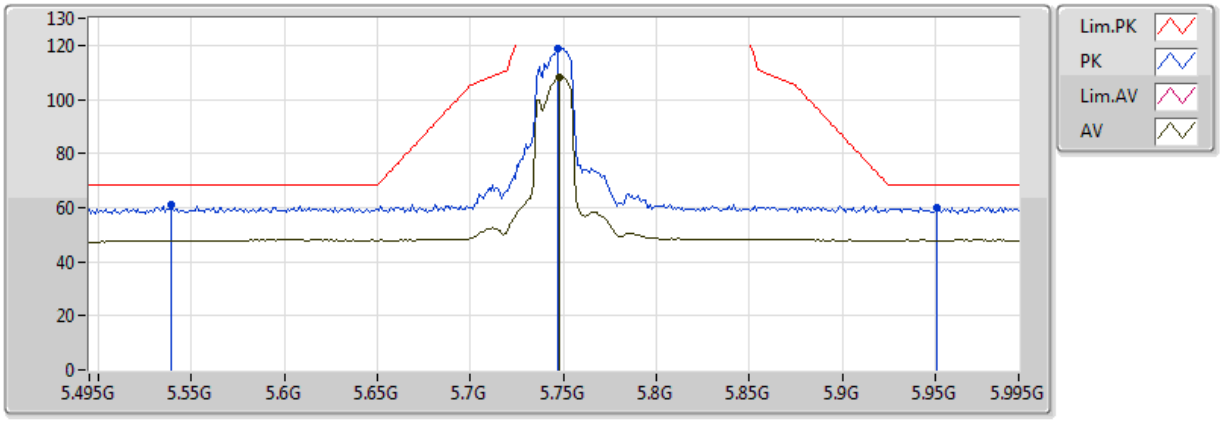


20170928
EUT X_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64986G	49.72	54.00	-4.28	16.80	3	Horizontal	122	2.26
PK	11.64966G	62.61	74.00	-11.39	16.80	3	Horizontal	122	2.26
PK	17.47604G	64.56	68.20	-3.64	24.50	3	Horizontal	28	1.75

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

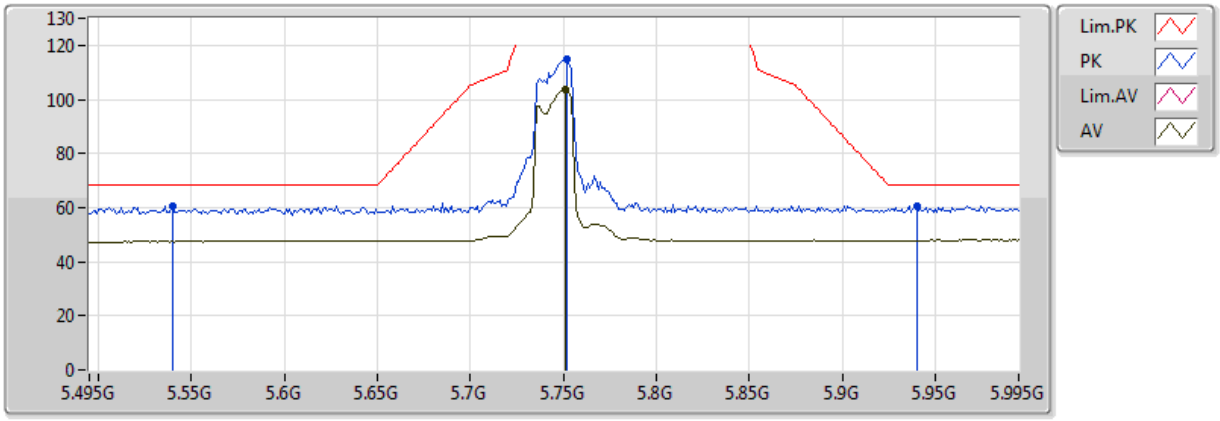


20170928
EUT X_2TX
Setting 23
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.748G	108.25	Inf	-Inf	10.65	3	Vertical	145	1.02
PK	5.539G	60.90	68.20	-7.30	10.55	3	Vertical	145	1.02
PK	5.747G	118.58	Inf	-Inf	10.65	3	Vertical	145	1.02
PK	5.951G	60.15	68.20	-8.05	10.85	3	Vertical	145	1.02

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

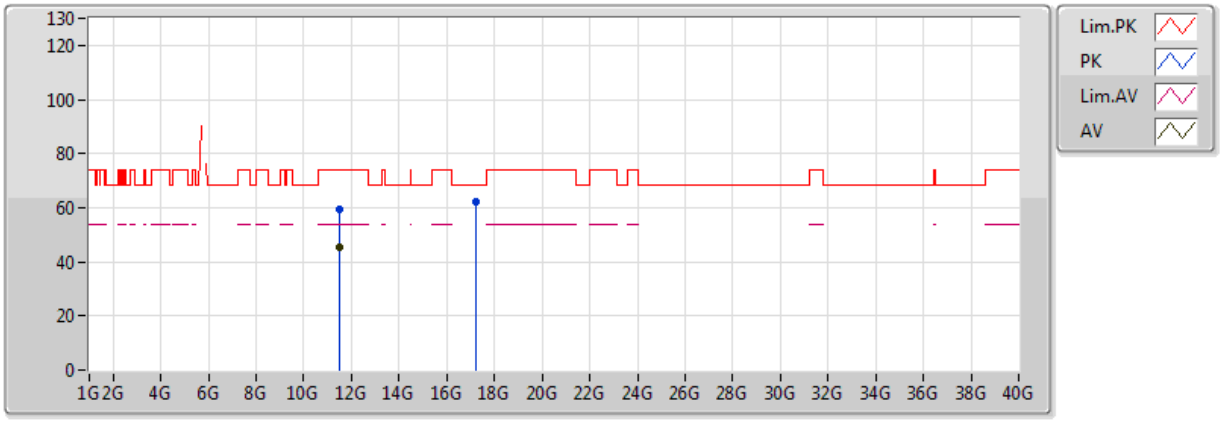


20170928
EUT X_2TX
Setting 23
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.751G	103.59	Inf	-Inf	10.65	3	Horizontal	304	2.79
PK	5.54G	60.56	68.20	-7.64	10.55	3	Horizontal	304	2.79
PK	5.752G	114.84	Inf	-Inf	10.65	3	Horizontal	304	2.79
PK	5.94G	60.47	68.20	-7.73	10.83	3	Horizontal	304	2.79

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

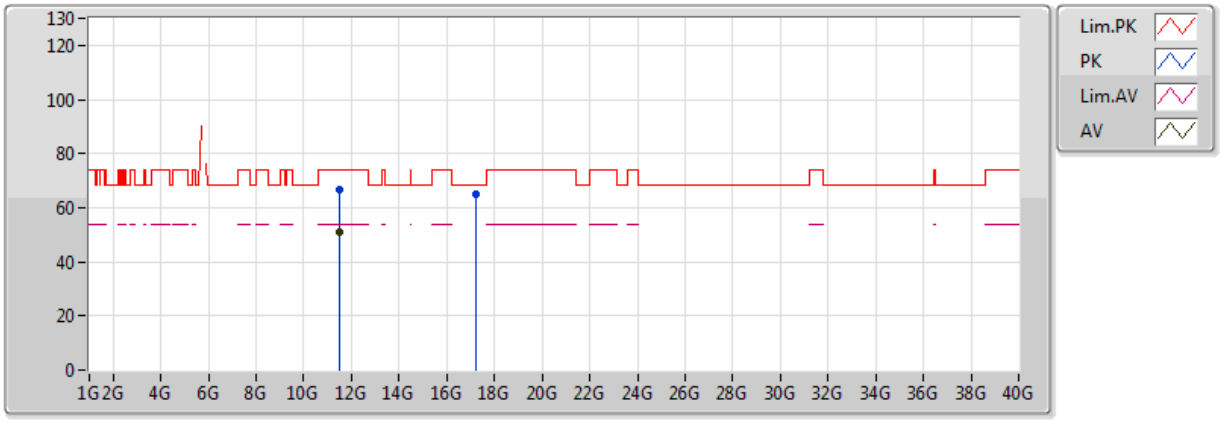


20170928
EUT X_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.49832G	45.25	54.00	-8.75	16.61	3	Vertical	237	1.88
PK	11.49924G	59.50	74.00	-14.50	16.61	3	Vertical	237	1.88
PK	17.22516G	62.02	68.20	-6.18	23.02	3	Vertical	65	2.61

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

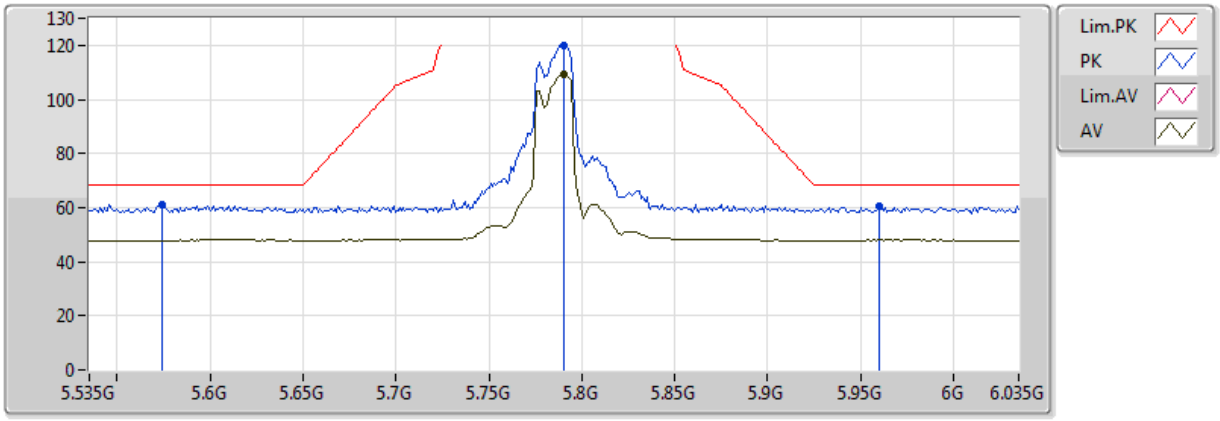


20170928
EUT X_2TX
Setting 23
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.48468G	50.87	54.00	-3.13	16.60	3	Horizontal	243	2.33
PK	11.4878G	66.46	74.00	-7.54	16.60	3	Horizontal	243	2.33
PK	17.2328G	65.00	68.20	-3.20	23.06	3	Horizontal	255	1.71

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

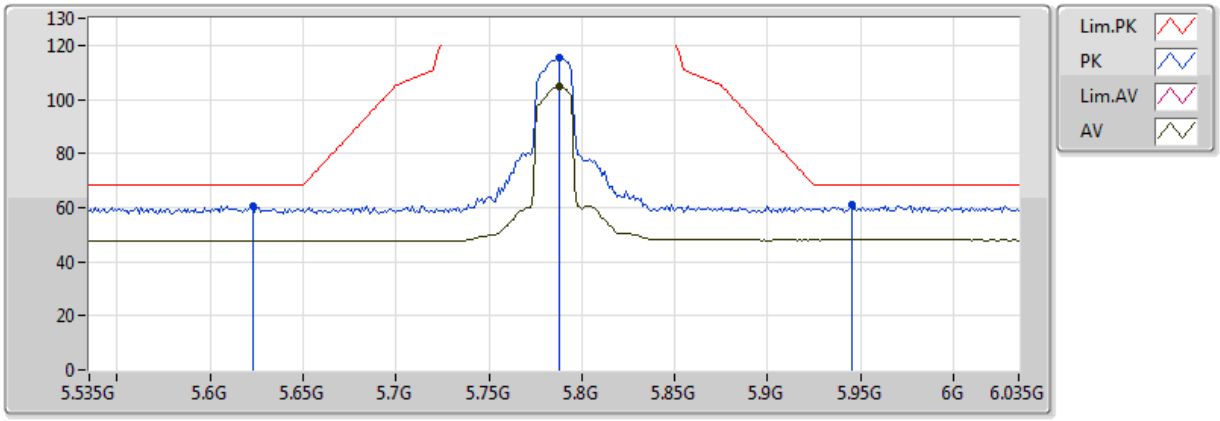


20170928
EUT X_2TX
Setting 21
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.79G	109.36	Inf	-Inf	10.65	3	Vertical	319	1.13
PK	5.574G	61.28	68.20	-6.92	10.61	3	Vertical	319	1.13
PK	5.79G	120.03	Inf	-Inf	10.65	3	Vertical	319	1.13
PK	5.96G	60.40	68.20	-7.80	10.86	3	Vertical	319	1.13

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

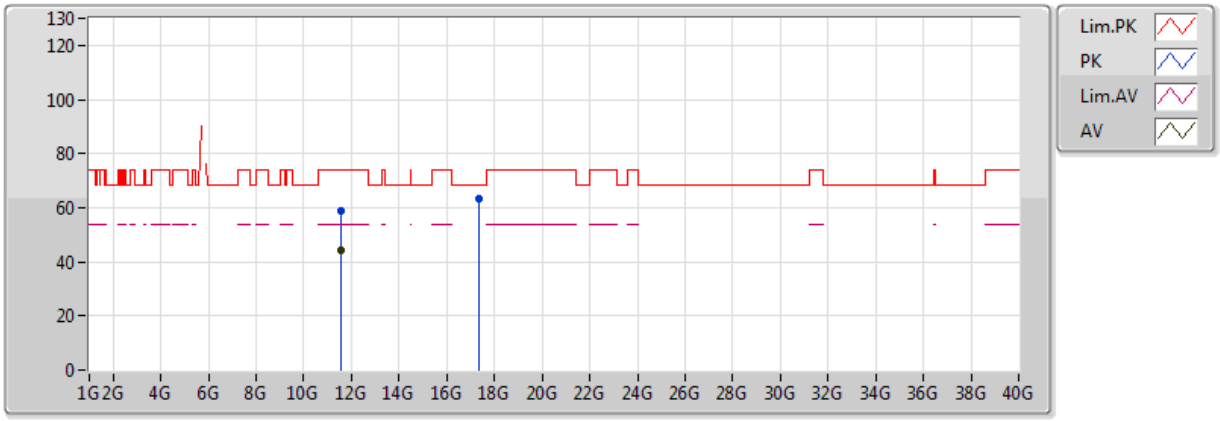


20170928
EUT X_2TX
Setting 21
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.788G	104.84	Inf	-Inf	10.65	3	Horizontal	305	2.38
PK	5.623G	60.66	68.20	-7.54	10.65	3	Horizontal	305	2.38
PK	5.788G	115.60	Inf	-Inf	10.65	3	Horizontal	305	2.38
PK	5.945G	61.15	68.20	-7.05	10.84	3	Horizontal	305	2.38

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

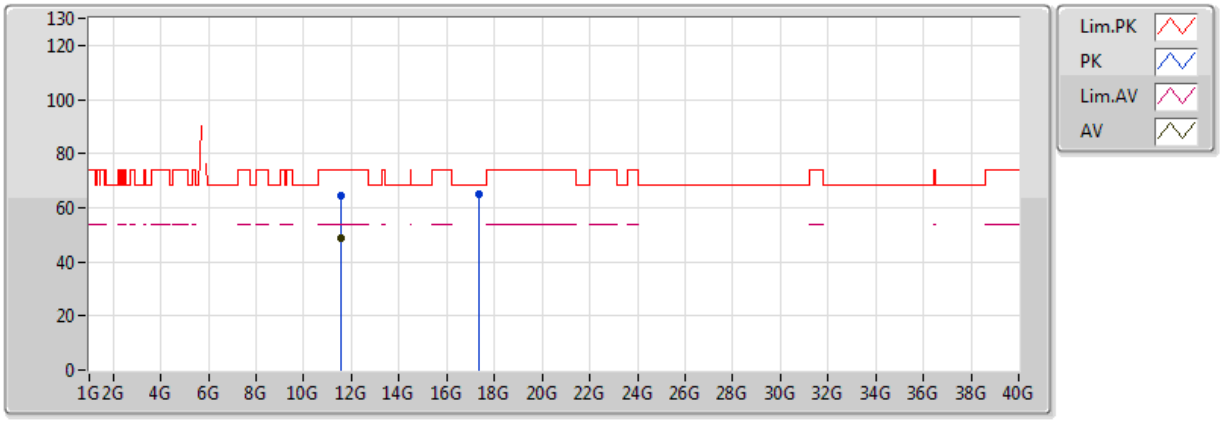


20170928
EUT X_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56124G	44.12	54.00	-9.88	16.69	3	Vertical	233	1.91
PK	11.56168G	58.58	74.00	-15.42	16.69	3	Vertical	233	1.91
PK	17.35272G	63.18	68.20	-5.02	23.77	3	Vertical	63	1.50

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

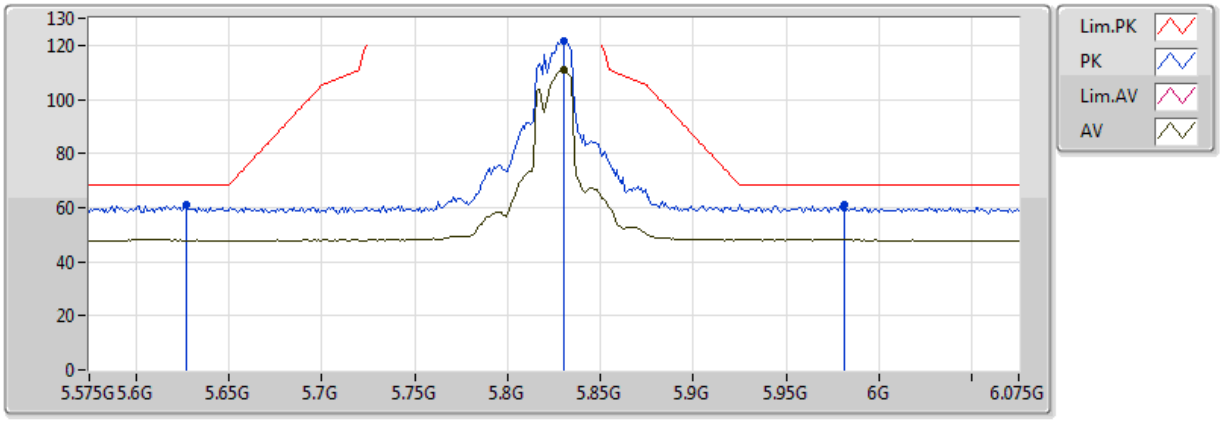


20170928
EUT X_2TX
Setting 21
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.56696G	48.73	54.00	-5.27	16.70	3	Horizontal	234	2.31
PK	11.56796G	64.43	74.00	-9.57	16.70	3	Horizontal	234	2.31
PK	17.35344G	64.89	68.20	-3.31	23.78	3	Horizontal	96	2.07

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

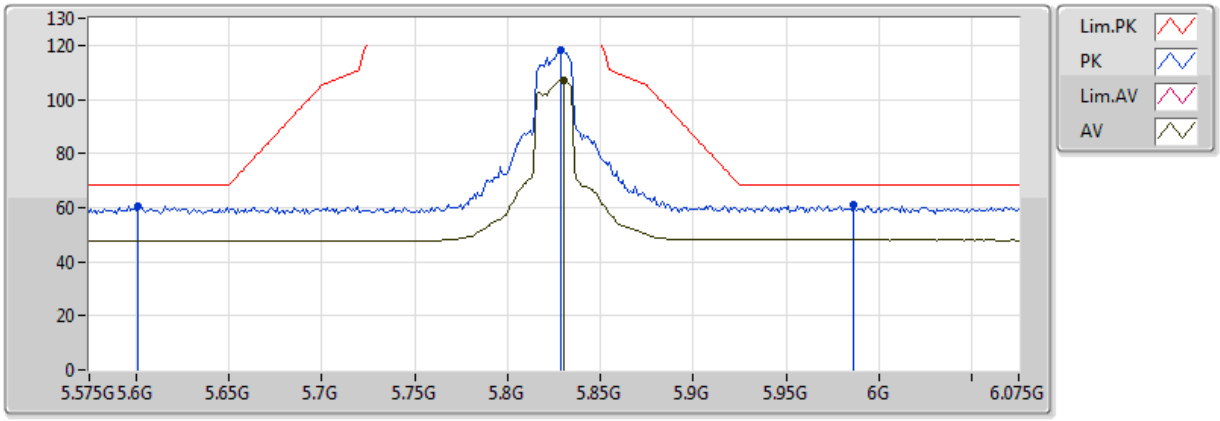


20170928
EUT X_2TX
Setting 22.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.83G	110.97	Inf	-Inf	10.69	3	Vertical	315	1.01
PK	5.627G	61.02	68.20	-7.18	10.65	3	Vertical	315	1.01
PK	5.83G	121.86	Inf	-Inf	10.69	3	Vertical	315	1.01
PK	5.981G	60.89	68.20	-7.31	10.89	3	Vertical	315	1.01

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

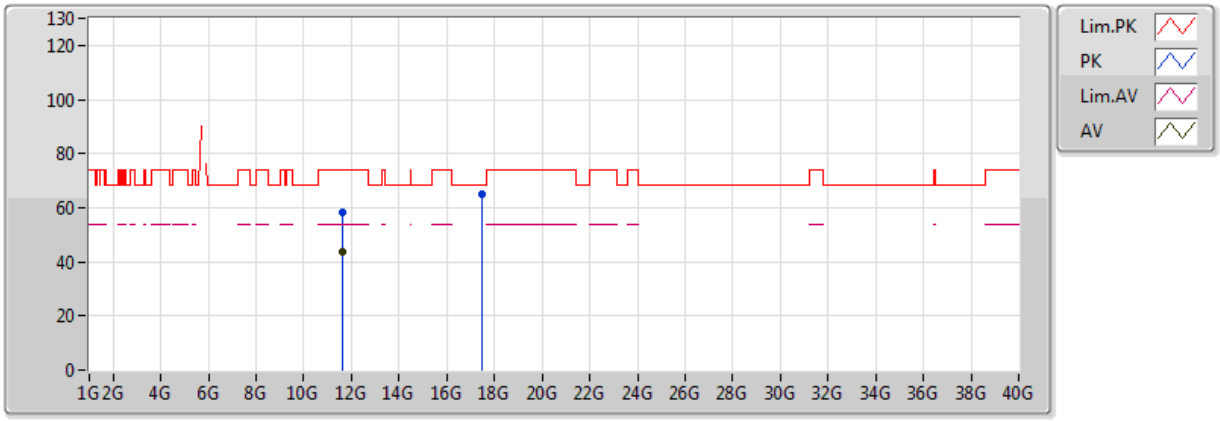


20170928
EUT X_2TX
Setting 22.5
02-J-6-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.83G	107.16	Inf	-Inf	10.69	3	Horizontal	155	2.40
PK	5.601G	60.49	68.20	-7.71	10.65	3	Horizontal	155	2.40
PK	5.829G	118.05	Inf	-Inf	10.69	3	Horizontal	155	2.40
PK	5.986G	60.94	68.20	-7.26	10.89	3	Horizontal	155	2.40

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

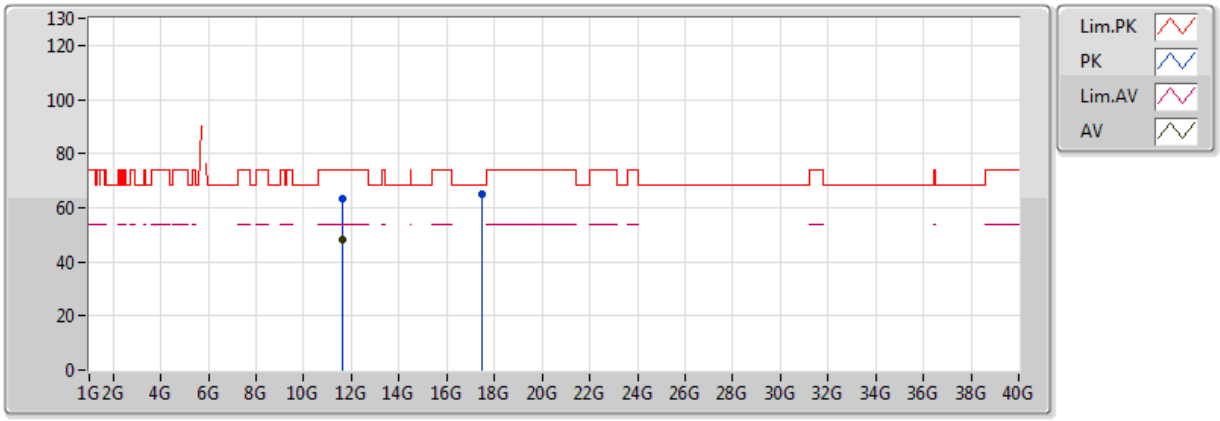


20170928
EUT X_2TX
Setting 22.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64268G	43.75	54.00	-10.25	16.79	3	Vertical	191	1.84
PK	11.64248G	58.16	74.00	-15.84	16.79	3	Vertical	191	1.84
PK	17.48084G	64.79	68.20	-3.41	24.53	3	Vertical	327	2.68

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

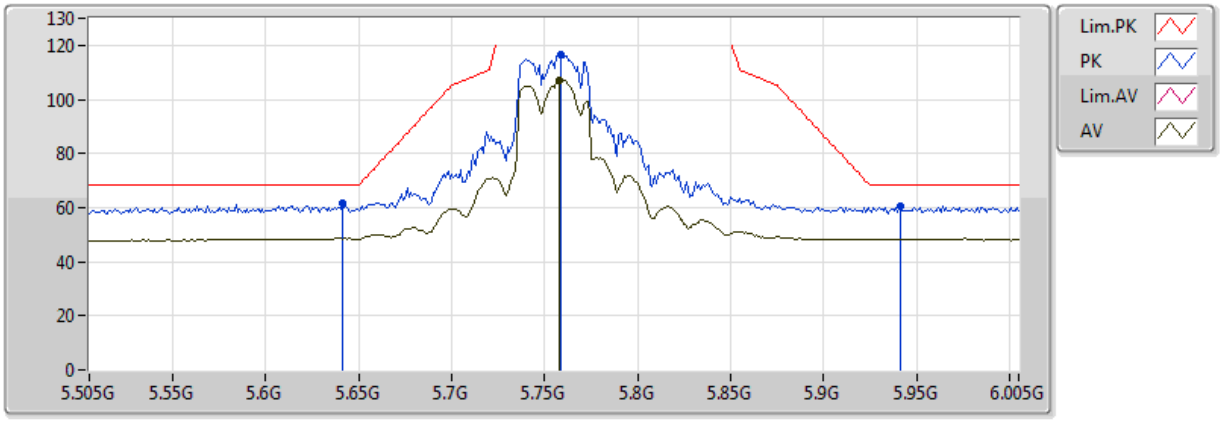


20170928
EUT X_2TX
Setting 22.5
02-J-6
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.64956G	48.38	54.00	-5.62	16.80	3	Horizontal	44	2.27
PK	11.6492G	63.40	74.00	-10.60	16.80	3	Horizontal	44	2.27
PK	17.47888G	64.78	68.20	-3.42	24.52	3	Horizontal	207	1.90

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

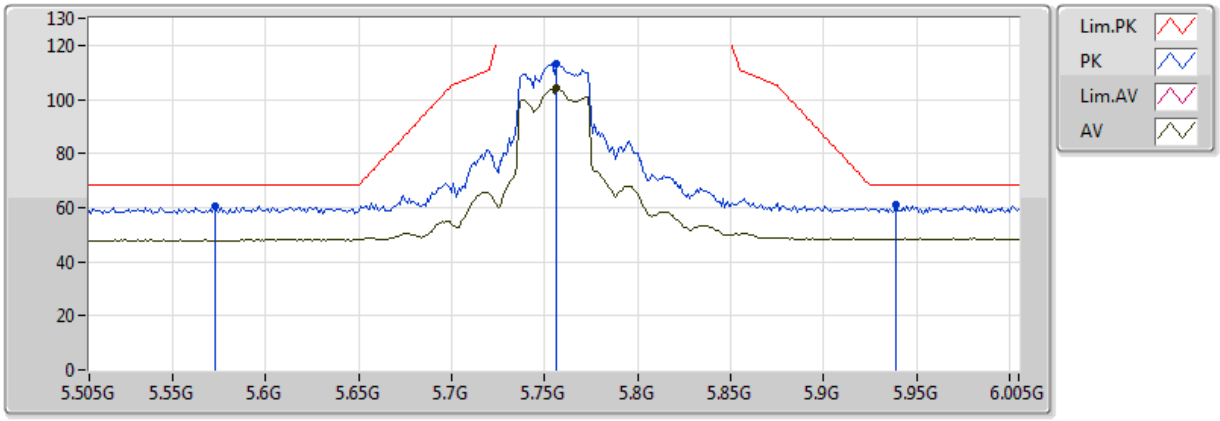


20170929
EUT X_2TX
Setting 26.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.758G	107.30	Inf	-Inf	10.65	3	Vertical	4	1.00
PK	5.641G	61.89	68.20	-6.31	10.65	3	Vertical	4	1.00
PK	5.759G	116.67	Inf	-Inf	10.65	3	Vertical	4	1.00
PK	5.941G	60.65	68.20	-7.55	10.83	3	Vertical	4	1.00

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

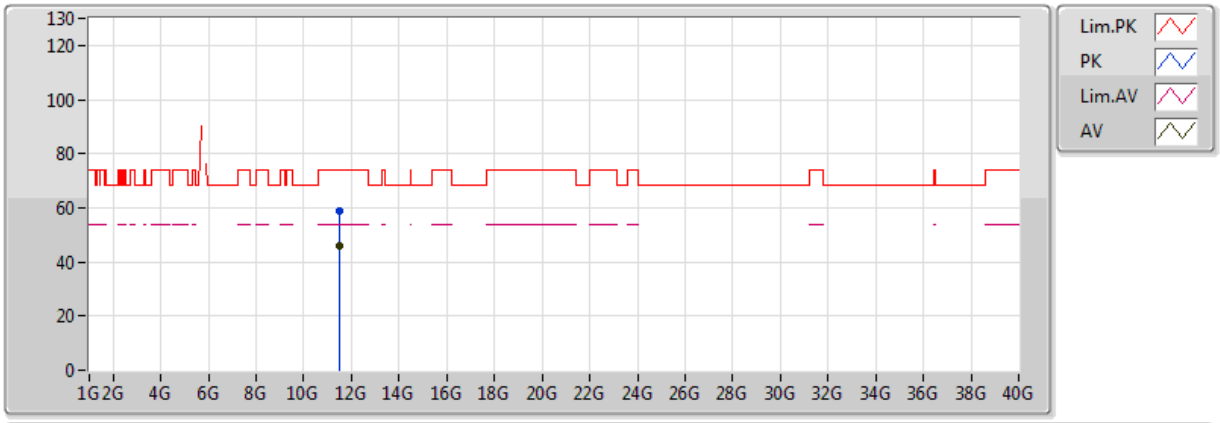


20170929
EUT X_2TX
Setting 26.5
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.756G	104.00	Inf	-Inf	10.65	3	Horizontal	37	2.40
PK	5.573G	60.38	68.20	-7.82	10.61	3	Horizontal	37	2.40
PK	5.756G	113.32	Inf	-Inf	10.65	3	Horizontal	37	2.40
PK	5.939G	60.98	68.20	-7.22	10.83	3	Horizontal	37	2.40

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

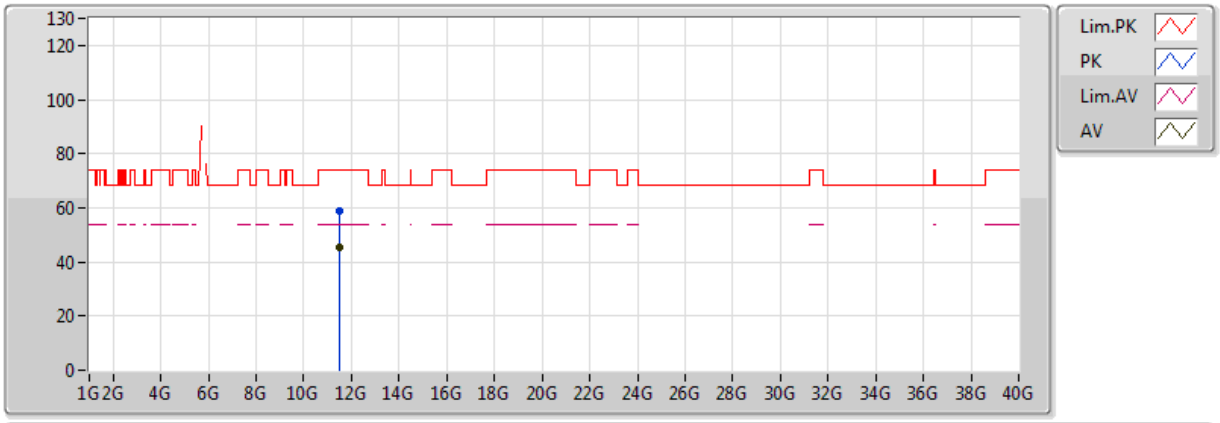


20170929
EUT X_2TX
Setting 26.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.5188G	45.88	54.00	-8.12	16.64	3	Vertical	95	1.93
PK	11.50208G	58.69	74.00	-15.31	16.62	3	Vertical	95	1.93

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

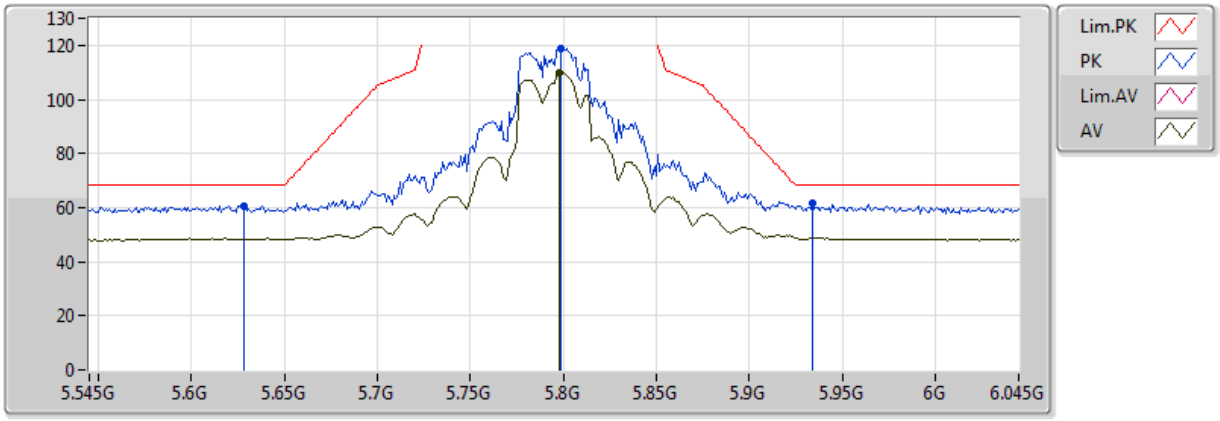


20170929
EUT X_2TX
Setting 26.5
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.51856G	45.66	54.00	-8.34	16.64	3	Horizontal	194	1.93
PK	11.51632G	59.11	74.00	-14.89	16.64	3	Horizontal	194	1.93

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

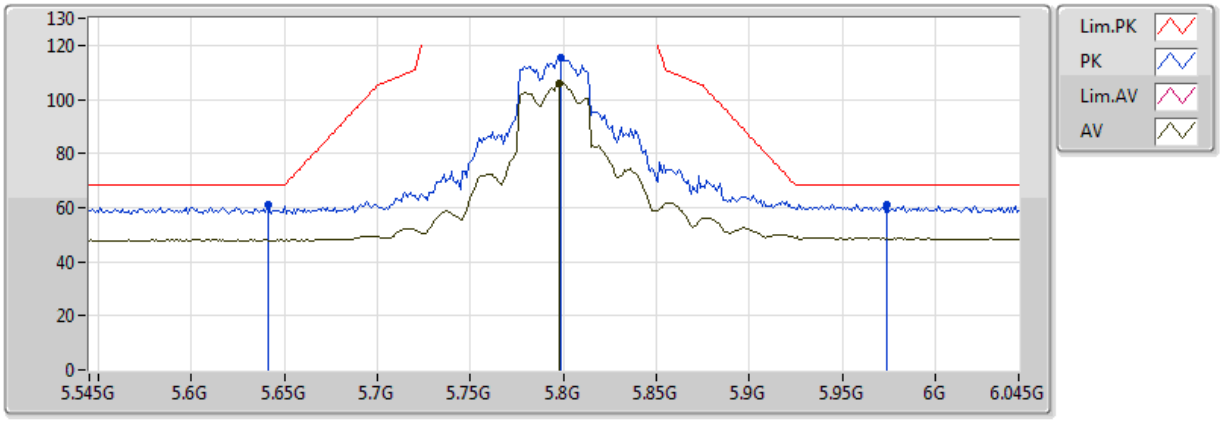


20170929
EUT X_2TX
Setting 26.5
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.798G	109.84	Inf	-Inf	10.65	3	Vertical	30	1.01
PK	5.628G	60.74	68.20	-7.46	10.65	3	Vertical	30	1.01
PK	5.799G	119.02	Inf	-Inf	10.65	3	Vertical	30	1.01
PK	5.934G	61.46	68.20	-6.74	10.82	3	Vertical	30	1.01

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

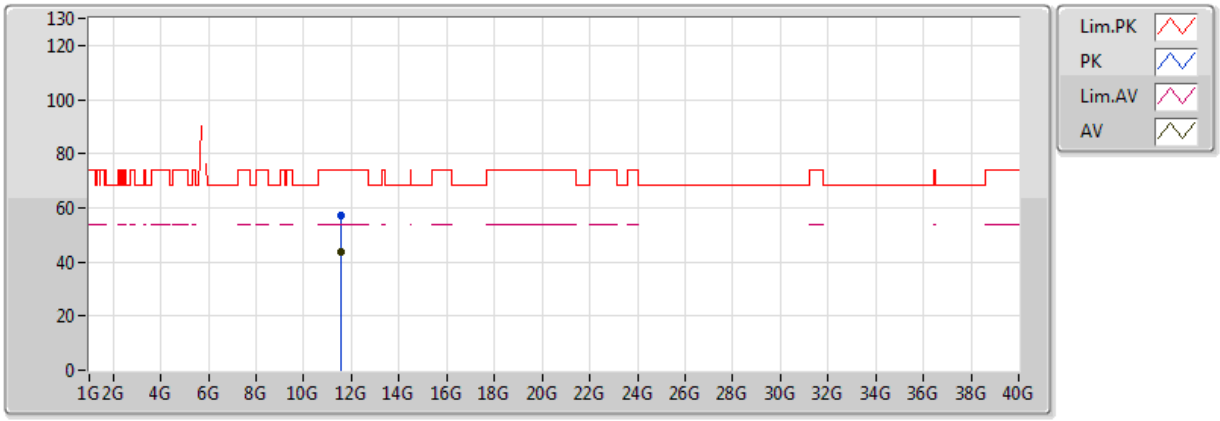


20170929
EUT X_2TX
Setting 26.5
03-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.798G	105.86	Inf	-Inf	10.65	3	Horizontal	53	2.34
PK	5.641G	60.89	68.20	-7.31	10.65	3	Horizontal	53	2.34
PK	5.799G	115.24	Inf	-Inf	10.65	3	Horizontal	53	2.34
PK	5.974G	61.24	68.20	-6.96	10.88	3	Horizontal	53	2.34

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

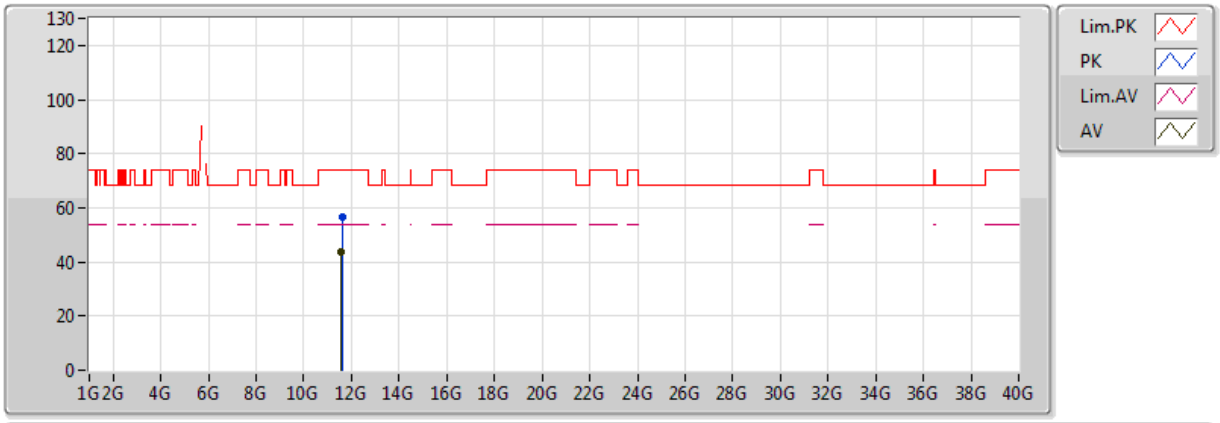


20170929
EUT X_2TX
Setting 26.5
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.58224G	43.92	54.00	-10.08	16.72	3	Vertical	297	2.19
PK	11.58304G	57.05	74.00	-16.95	16.72	3	Vertical	297	2.19

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

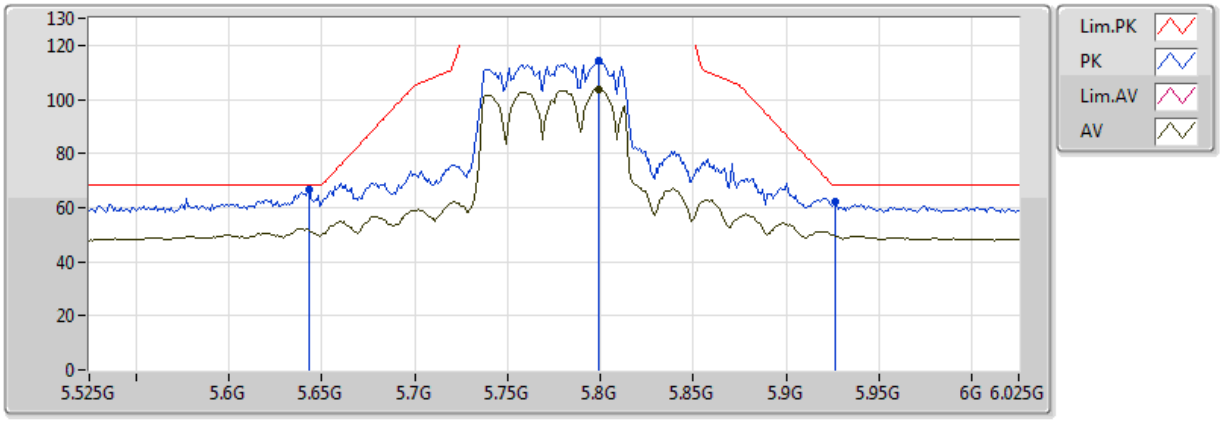


20170929
EUT X_2TX
Setting 26.5
03-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.58272G	43.86	54.00	-10.14	16.72	3	Horizontal	73	2.40
PK	11.60104G	56.37	74.00	-17.63	16.74	3	Horizontal	73	2.40

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

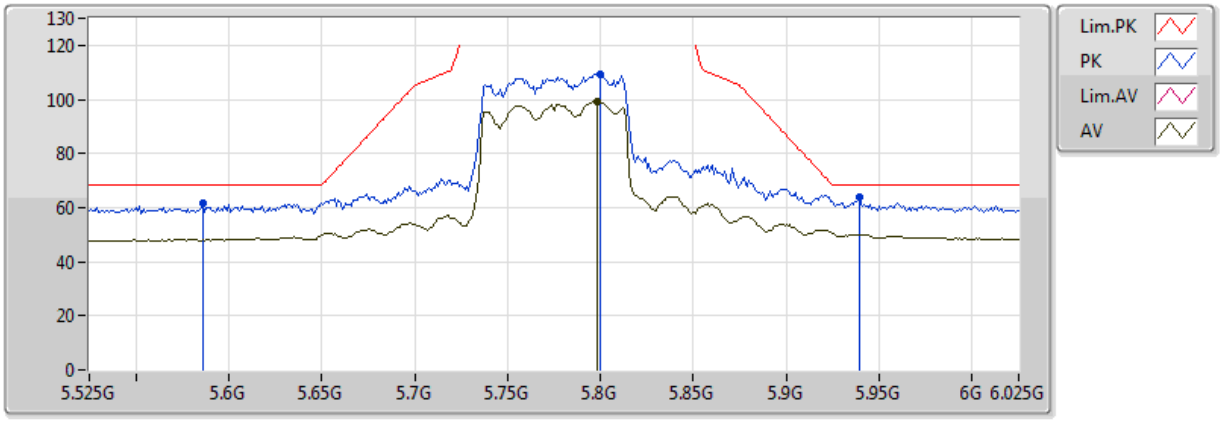


20170929
EUT X_2TX
Setting 21
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.799G	103.88	Inf	-Inf	10.65	3	Vertical	37	1.00
PK	5.643G	66.84	68.20	-1.36	10.65	3	Vertical	37	1.00
PK	5.799G	114.52	Inf	-Inf	10.65	3	Vertical	37	1.00
PK	5.926G	62.13	68.20	-6.07	10.81	3	Vertical	37	1.00

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

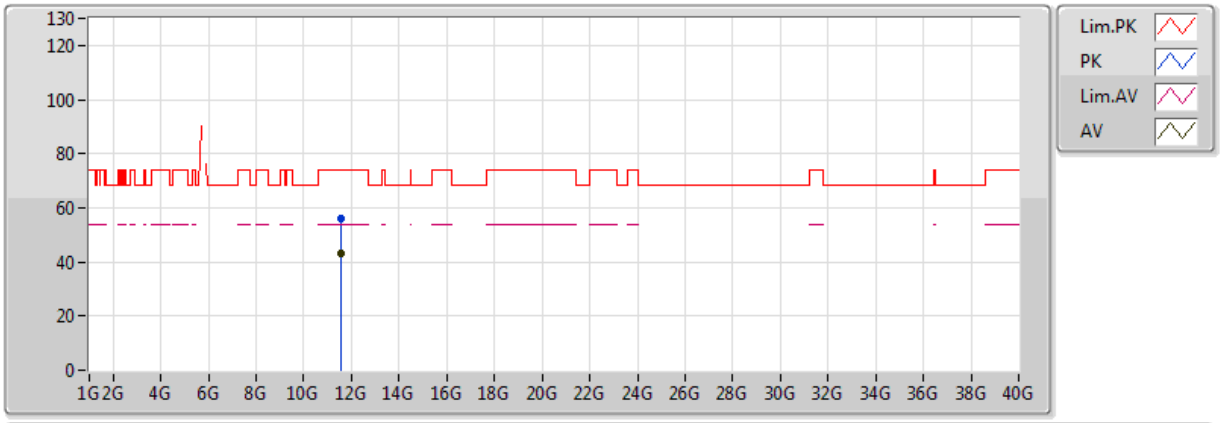


20170929
EUT X_2TX
Setting 21
02-Z-1-10
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	5.798G	99.35	Inf	-Inf	10.65	3	Horizontal	37	2.35
PK	5.586G	61.88	68.20	-6.32	10.63	3	Horizontal	37	2.35
PK	5.8G	109.36	Inf	-Inf	10.65	3	Horizontal	37	2.35
PK	5.939G	63.84	68.20	-4.36	10.83	3	Horizontal	37	2.35

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

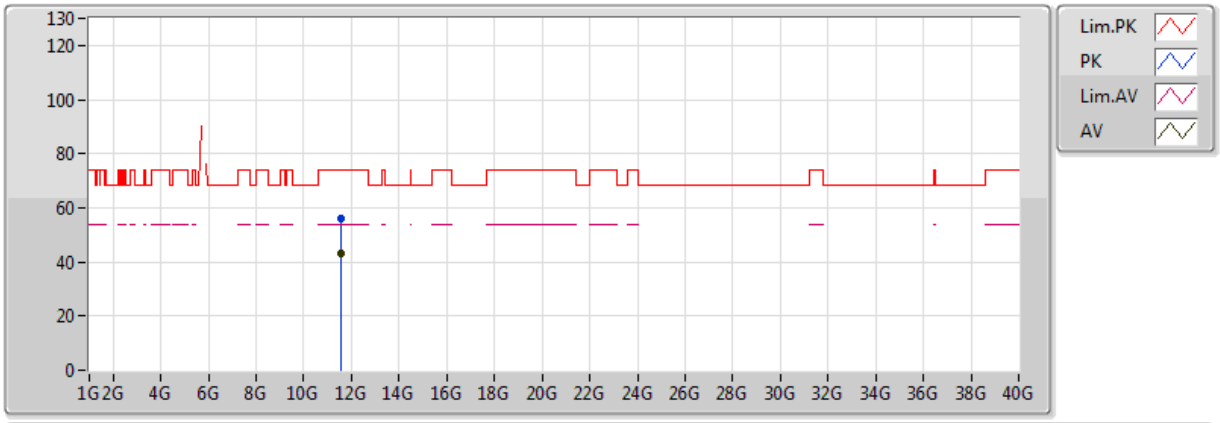


20170929
EUT X_2TX
Setting 21
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.54776G	42.99	54.00	-11.01	16.67	3	Vertical	277	1.15
PK	11.5876G	56.12	74.00	-17.88	16.72	3	Vertical	277	1.15

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



20170929
EUT X_2TX
Setting 21
02-Z-1
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)
AV	11.54232G	43.00	54.00	-11.00	16.67	3	Horizontal	220	1.97
PK	11.54984G	55.88	74.00	-18.12	16.68	3	Horizontal	220	1.97

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

Voltage	Measurement Frequency (MHz)			
(V)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5199.9945	5199.9941	5199.9933	5199.9930
110.00	5199.9936	5199.9929	5199.9922	5199.9919
93.50	5199.9932	5199.9929	5199.9924	5199.9917
Max. Deviation (MHz)	**0.0068**	**0.0071**	**0.0078**	**0.0083**
Max. Deviation (ppm)	**1.31**	**1.37**	**1.50**	**1.60**
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5200 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5199.9901	5199.9896	5199.9890	5199.9885
0	5199.9905	5199.9900	5199.9891	5199.9890
10	5199.9917	5199.9916	5199.9907	5199.9904
20	5199.9936	5199.9935	5199.9930	5199.9921
30	5199.9954	5199.9945	5199.9935	5199.9930
40	5199.9966	5199.9965	5199.9963	5199.9959
Max. Deviation (MHz)	**0.0123**	**0.0124**	**0.0131**	**0.0137**
Max. Deviation (ppm)	**2.37**	**2.38**	**2.52**	**2.63**
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5299.9944	5299.9942	5299.9935	5299.9931
110.00	5299.9936	5299.9932	5299.9928	5299.9927
93.50	5299.9929	5299.9922	5299.9912	5299.9903
Max. Deviation (MHz)	0.0071	0.0078	0.0088	0.0097
Max. Deviation (ppm)	1.34	1.47	1.66	1.83
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5300 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5299.9906	5299.9903	5299.9899	5299.9897
0	5299.9914	5299.9908	5299.9903	5299.9895
10	5299.9927	5299.9919	5299.9916	5299.9913
20	5299.9936	5299.9931	5299.9922	5299.9921
30	5299.9954	5299.9944	5299.9941	5299.9939
40	5299.9957	5299.9950	5299.9940	5299.9931
Max. Deviation (MHz)	0.0123	0.0127	0.0136	0.0142
Max. Deviation (ppm)	2.32	2.40	2.57	2.68
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5579.9944	5579.9937	5579.9928	5579.9918
110.00	5579.9936	5579.9932	5579.9929	5579.9919
93.50	5579.9927	5579.9924	5579.9917	5579.9911
Max. Deviation (MHz)	0.0073	0.0076	0.0083	0.0089
Max. Deviation (ppm)	1.31	1.36	1.49	1.59
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5580 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5579.9885	5579.9883	5579.9882	5579.9872
0	5579.9903	5579.9894	5579.9893	5579.9884
10	5579.9918	5579.9917	5579.9908	5579.9903
20	5579.9936	5579.9926	5579.9924	5579.9914
30	5579.9954	5579.9951	5579.9944	5579.9939
40	5579.9962	5579.9959	5579.9953	5579.9945
Max. Deviation (MHz)	0.0140	0.0141	0.0143	0.0150
Max. Deviation (ppm)	2.51	2.53	2.56	2.69
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5784.9945	5784.9936	5784.9935	5784.9934
110.00	5784.9936	5784.9933	5784.9928	5784.9925
93.50	5784.9931	5784.9928	5784.9925	5784.9917
Max. Deviation (MHz)	0.0069	0.0072	0.0075	0.0083
Max. Deviation (ppm)	1.19	1.24	1.30	1.43
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5785 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5784.9893	5784.9888	5784.9879	5784.9871
0	5784.9913	5784.9906	5784.9900	5784.9899
10	5784.9916	5784.9907	5784.9906	5784.9898
20	5784.9936	5784.9931	5784.9928	5784.9926
30	5784.9954	5784.9953	5784.9951	5784.9950
40	5784.9973	5784.9966	5784.9964	5784.9961
Max. Deviation (MHz)	0.0122	0.0132	0.0136	0.0145
Max. Deviation (ppm)	2.11	2.28	2.35	2.51
Result	Pass			

Mode: 40 MHz / port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5189.9944	5189.9940	5189.9937	5189.9933
110.00	5189.9936	5189.9935	5189.9926	5189.9922
93.50	5189.9929	5189.9928	5189.9925	5189.9919
Max. Deviation (MHz)	0.0071	0.0072	0.0075	0.0081
Max. Deviation (ppm)	1.37	1.39	1.45	1.56
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5190 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5189.9914	5189.9911	5189.9907	5189.9906
0	5189.9922	5189.9920	5189.9912	5189.9903
10	5189.9924	5189.9919	5189.9918	5189.9916
20	5189.9935	5189.9934	5189.9932	5189.9930
30	5189.9936	5189.9935	5189.9934	5189.9933
40	5189.9954	5189.9952	5189.9951	5189.9948
Max. Deviation (MHz)	0.0102	0.0108	0.0109	0.0113
Max. Deviation (ppm)	1.97	2.08	2.10	2.18
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5309.9942	5309.9934	5309.9925	5309.9916
110.00	5309.9936	5309.9935	5309.9929	5309.9920
93.50	5309.9933	5309.9927	5309.9919	5309.9918
Max. Deviation (MHz)	0.0067	0.0073	0.0081	0.0084
Max. Deviation (ppm)	1.26	1.37	1.53	1.58
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5310 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5309.9908	5309.9905	5309.9902	5309.9897
0	5309.9910	5309.9908	5309.9901	5309.9892
10	5309.9915	5309.9906	5309.9899	5309.9890
20	5309.9918	5309.9917	5309.9909	5309.9901
30	5309.9936	5309.9930	5309.9924	5309.9915
40	5309.9954	5309.9950	5309.9943	5309.9937
Max. Deviation (MHz)	0.0104	0.0112	0.0117	0.0125
Max. Deviation (ppm)	1.96	2.11	2.20	2.35
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5549.9942	5549.9939	5549.9933	5549.9929
110.00	5549.9936	5549.9935	5549.9925	5549.9923
93.50	5549.9930	5549.9921	5549.9915	5549.9910
Max. Deviation (MHz)	0.0070	0.0079	0.0085	0.0090
Max. Deviation (ppm)	1.26	1.42	1.53	1.62
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5550 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5549.9899	5549.9894	5549.9889	5549.9883
0	5549.9916	5549.9913	5549.9907	5549.9900
10	5549.9919	5549.9913	5549.9912	5549.9909
20	5549.9920	5549.9910	5549.9903	5549.9895
30	5549.9936	5549.9933	5549.9930	5549.9922
40	5549.9954	5549.9952	5549.9947	5549.9946
Max. Deviation (MHz)	0.0128	0.0130	0.0139	0.0149
Max. Deviation (ppm)	2.31	2.34	2.50	2.68
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5754.9941	5754.9932	5754.9926	5754.9925
110.00	5754.9936	5754.9934	5754.9929	5754.9924
93.50	5754.9933	5754.9932	5754.9924	5754.9917
Max. Deviation (MHz)	0.0067	0.0068	0.0076	0.0083
Max. Deviation (ppm)	1.16	1.18	1.32	1.44
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5755 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5754.9875	5754.9872	5754.9865	5754.9858
0	5754.9889	5754.9881	5754.9877	5754.9872
10	5754.9908	5754.9907	5754.9905	5754.9904
20	5754.9918	5754.9912	5754.9903	5754.9895
30	5754.9936	5754.9933	5754.9928	5754.9918
40	5754.9954	5754.9946	5754.9941	5754.9932
Max. Deviation (MHz)	0.0154	0.0158	0.0168	0.0174
Max. Deviation (ppm)	2.68	2.75	2.92	3.02
Result	Pass			

Mode: 80 MHz / port 2

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5209.9940	5209.9932	5209.9928	5209.9919
110.00	5209.9936	5209.9927	5209.9917	5209.9907
93.50	5209.9933	5209.9930	5209.9926	5209.9920
Max. Deviation (MHz)	0.0067	0.0073	0.0083	0.0093
Max. Deviation (ppm)	1.29	1.40	1.59	1.79
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5210 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5209.9913	5209.9904	5209.9902	5209.9900
0	5209.9922	5209.9917	5209.9911	5209.9902
10	5209.9925	5209.9924	5209.9918	5209.9915
20	5209.9934	5209.9931	5209.9923	5209.9916
30	5209.9936	5209.9930	5209.9922	5209.9917
40	5209.9954	5209.9947	5209.9940	5209.9937
Max. Deviation (MHz)	0.0107	0.0112	0.0115	0.0124
Max. Deviation (ppm)	2.05	2.15	2.21	2.38
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5289.9943	5289.9939	5289.9934	5289.9933
110.00	5289.9936	5289.9933	5289.9923	5289.9922
93.50	5289.9929	5289.9920	5289.9917	5289.9912
Max. Deviation (MHz)	0.0071	0.0080	0.0083	0.0088
Max. Deviation (ppm)	1.34	1.51	1.57	1.66
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5290 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5289.9886	5289.9883	5289.9877	5289.9875
0	5289.9896	5289.9888	5289.9878	5289.9872
10	5289.9907	5289.9900	5289.9898	5289.9896
20	5289.9923	5289.9922	5289.9916	5289.9909
30	5289.9936	5289.9927	5289.9921	5289.9917
40	5289.9954	5289.9945	5289.9944	5289.9937
Max. Deviation (MHz)	0.0127	0.0136	0.0140	0.0150
Max. Deviation (ppm)	2.40	2.57	2.65	2.84
Result	Pass			

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5529.9937	5529.9931	5529.9925	5529.9923
110.00	5529.9936	5529.9929	5529.9922	5529.9919
93.50	5529.9932	5529.9925	5529.9920	5529.9915
Max. Deviation (MHz)	0.0068	0.0075	0.0080	0.0085
Max. Deviation (ppm)	1.23	1.36	1.45	1.54
Result	Pass			

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)			
(℃)	5530 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5529.9891	5529.9882	5529.9877	5529.9874
0	5529.9895	5529.9885	5529.9883	5529.9877
10	5529.9900	5529.9895	5529.9885	5529.9880
20	5529.9916	5529.9906	5529.9901	5529.9895
30	5529.9936	5529.9927	5529.9922	5529.9917
40	5529.9954	5529.9945	5529.9937	5529.9933
Max. Deviation (MHz)	0.0133	0.0136	0.0143	0.0150
Max. Deviation (ppm)	2.41	2.46	2.59	2.71
Result	Pass			

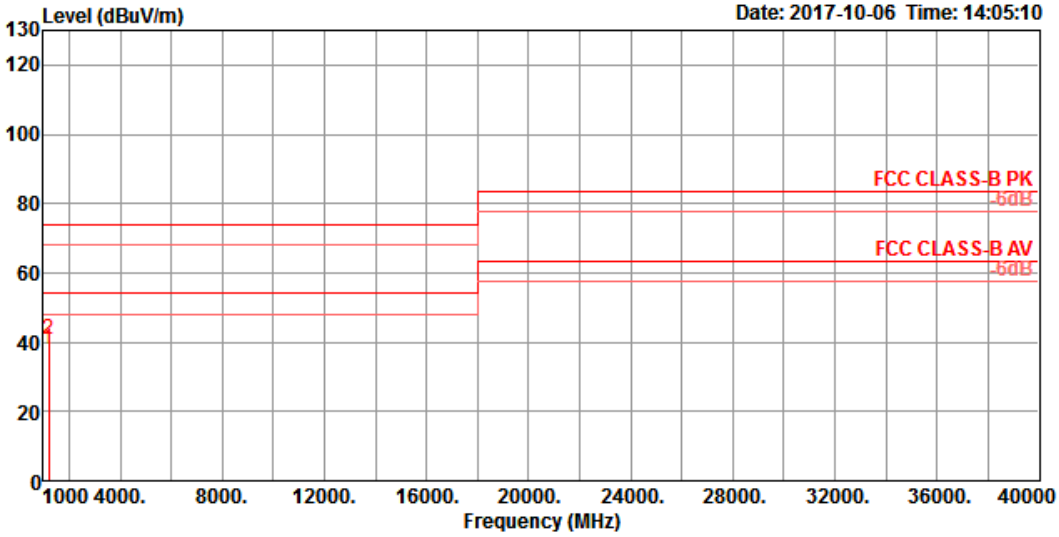
Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)			
(V)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
126.50	5774.9941	5774.9940	5774.9938	5774.9934
110.00	5774.9936	5774.9931	5774.9923	5774.9918
93.50	5774.9933	5774.9924	5774.9917	5774.9908
Max. Deviation (MHz)	0.0067	0.0076	0.0083	0.0092
Max. Deviation (ppm)	1.16	1.32	1.44	1.59
Result	Pass			

Temperature vs. Frequency Stability

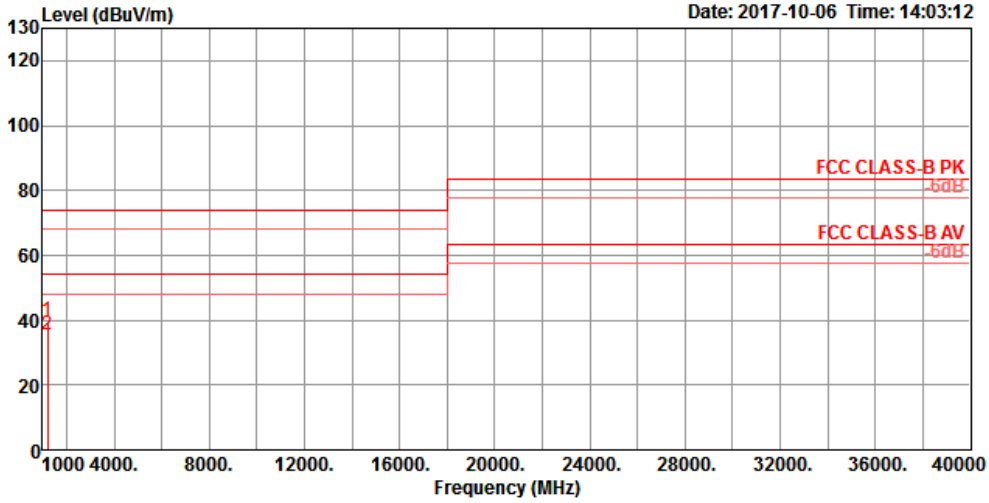
Temperature	Measurement Frequency (MHz)			
(℃)	5775 MHz			
	0 Minute	2 Minute	5 Minute	10 Minute
-10	5774.9889	5774.9883	5774.9877	5774.9867
0	5774.9904	5774.9897	5774.9892	5774.9884
10	5774.9923	5774.9913	5774.9908	5774.9899
20	5774.9928	5774.9926	5774.9918	5774.9914
30	5774.9936	5774.9931	5774.9925	5774.9917
40	5774.9954	5774.9951	5774.9948	5774.9946
Max. Deviation (MHz)	0.0128	0.0138	0.0140	0.0150
Max. Deviation (ppm)	2.22	2.39	2.42	2.60
Result	Pass			

RSE Co-location Result			
Operating Mode	3	**Polarization**	Horizontal
Operating Function	Normal Link - EUT in Z axis - R1 (2.4G / Station mode) + R3 (5G B1~B2 / AP mode) + R2 (5G B3~B4 / AP mode) + R4 (BT / AP mode)		



	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	1200.01	37.67	54.00	-16.33	46.83	3.69	24.55	37.40	195	197	Average	HORIZONTAL
2	1200.09	40.85	74.00	-33.15	50.01	3.69	24.55	37.40	195	197	Peak	HORIZONTAL

RSE Co-location Result			
Operating Mode	3	**Polarization**	Vertical
Operating Function	Normal Link - EUT in Z axis - R1 (2.4G / Station mode) + R3 (5G B1~B2 / AP mode) + R2 (5G B3~B4 / AP mode) + R4 (BT / AP mode)		



	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	1197.94	39.95	74.00	-34.05	49.12	3.69	24.54	37.40	166	294	Peak	VERTICAL
2	1200.01	35.26	54.00	-18.74	44.42	3.69	24.55	37.40	166	294	Average	VERTICAL