



FCC Test Report

Equipment : Wireless STB
Brand Name : AT&T
Model No. : C71KW-400, C71KWBP-400
FCC ID : NKR-ATTC71KW
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 : Wistron NeWeb Corporation
20 Park Avenue II Hsinchu Science Park Hsinchu, 308
Taiwan
Manufacturer : Wistron NeWeb Corporation
20 Park Avenue II Hsinchu Science Park Hsinchu, 308
Taiwan
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☒ Client
TPC Function : ☒ With TPC ☐ Without TPC

The product sample received on Aug. 18, 2017 and completely tested on Oct. 16, 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.





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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



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FCC ID: NKR-ATTC71KW

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		5510-5710	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]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX

Note:

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						2.4GHz	5GHz	BT
A	1	Airgain	N2425DWA7	PCB Antenna	I-PEX	Note	Note	-
B	2	Airgain	N2410DWB7	PCB Antenna	I-PEX			
C	3	Airgain	N2425DWC7	PCB Antenna	I-PEX			
D	4	Airgain	N2410DWD7	PCB Antenna	I-PEX			
E	1	N/A	N/A	Printed Antenna	N/A	-	-	1.11

Note:

2.4 GHz Antenna gain (dBi)				
Port Frequency	1	2	3	4
2412MHz	4.30	2.20	3.90	2.80
2422MHz	4.30	2.40	4.00	2.90
2437MHz	4.50	3.10	4.20	3.20
2452MHz	4.50	3.30	4.20	3.30
2462MHz	4.70	3.50	4.20	3.20

Frequency	2.4 GHz Directional gain (dBi)
2412MHz	5.70
2422MHz	5.90
2437MHz	6.30
2452MHz	6.40
2462MHz	6.40

5 GHz Antenna gain (dBi)				
Port Band	1	2	3	4
Band 1	5.50	2.30	4.30	4.30
Band 2	5.30	1.90	4.00	4.20
Band 3	5.80	1.80	3.90	2.50
Band 4	5.70	2.00	3.70	2.00

Band	5 GHz Directional gain (dBi)
Band 1	7.60
Band 2	7.50
Band 3	7.00
Band 4	7.10

Note: The EUT has four antennas.

For WLAN function (4TX, 4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

For Bluetooth function (1TX, 1RX):

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

1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.988	0.052	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.948	0.232	0	10
802.11ac VHT20-BF	0.907	0.424	3.829m	300
802.11ac VHT40	0.756	1.215	185u	10k
802.11ac VHT40-BF	0.856	0.675	3.658m	300
802.11ac VHT80	0.675	1.707	245u	10k
802.11ac VHT80-BF	0.905	0.434	5.061m	300

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming For 802.11ac in 2.4GHz/5GHz.	☐	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
AT&T	C71KW-400	There is nothing different of two models, just for different marketing use.
	C71KWBP-400	

From the above models, model: C71KW-400 was selected as representative model for the test and its data was recorded in this report.

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 789033 D02 v01r04
- ♦ FCC KDB 644545 D03 v01
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

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	Lucke Hsieh, Stim Sung, Gino Huang	20°C / 55%	Aug. 28, 2017 ~ Oct. 16, 2017
Radiated	03CH01-CB	Justin Lin	22°C / 54%	Aug. 18, 2017 ~ Aug. 31, 2017
AC Conduction	CO01-CB	Deven Huang	23°C / 60%	Sep. 11, 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 x10 ⁻⁸	Confidence levels of 95%
Frequency Stability	6.06 x10 ⁻⁸	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Master Mode Band 1~4 and Client Mode Band 2~4:

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	20.5
5200MHz	23
5240MHz	23
5260MHz	16.5
5300MHz	16.5
5320MHz	16.5
5500MHz	17.5
5580MHz	17.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	21.5
5200MHz	23
5240MHz	23
5260MHz	16.5
5300MHz	16.5
5320MHz	16.5
5500MHz	17.5
5580MHz	17.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	18
5230MHz	22
5270MHz	18
5310MHz	17.5
5510MHz	18.5
5550MHz	18.5



Mode	Power Setting
5670MHz	18.5
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
5755MHz	23
5795MHz	23
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	17.5
5290MHz	17
5530MHz	18
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	21.5
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	19.5
5200MHz	22
5240MHz	21
5260MHz	16
5300MHz	15
5320MHz	15
5500MHz	16
5580MHz	16
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	16
5720MHz Straddle 5.725-5.85GHz	16
5745MHz	23
5785MHz	23
5825MHz	23
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	17
5230MHz	21
5270MHz	16
5310MHz	15
5510MHz	16
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	23
5795MHz	23
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	17



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Mode	Power Setting
5290MHz	14
5530MHz	15.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
5775MHz	21

**For Client Mode Band 1:**

Mode	Power Setting
802.11a_(6Mbps)_4TX	-
5180MHz	16.5
5200MHz	16.5
5240MHz	16
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5180MHz	16.5
5200MHz	16.5
5240MHz	16.5
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5190MHz	18
5230MHz	18
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5210MHz	17.5
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5180MHz	15
5200MHz	15
5240MHz	16
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5190MHz	16
5230MHz	16
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5210MHz	16

Note: 1.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.

2. There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11ac. All test results were recorded in the report.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
1	EUT with Ethernet + Bluetooth function
2	EUT with 2.4GHz WLAN + Bluetooth function
3	EUT with 5GHz WLAN + Bluetooth function
For operating mode 3 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains
Test Mode	1 Master Mode Band 1~4 and Client Mode Band 2~4
	2 Client Mode Band 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link
1	EUT in Z axis with Ethernet + Bluetooth function
2	EUT in Y axis with Ethernet + Bluetooth function
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT in Z axis with 2.4GHz WLAN + Bluetooth function
4	EUT in Z axis with 5GHz WLAN + Bluetooth function
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis

**The Worst Case Mode for Following Conformance Tests**

Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA791514 for Co-location RF Exposure Evaluation.	

Note: 1. The defines from manufacturer, "USB port" without any function, and it was performed test at the load.

2. The adapter is for measurement only, would not be marketed

Support Unit	Brand	Model	FCC ID
Adapter	DIRECTV	EPS10R4-16	DoC

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

N/A

2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AP Router	Planex	GW-AP54SGX	KA220030603014-1
2	NB	DELL	E6430	DoC
3	Earphone	SHYARO CHI	MIC-04	DoC
4	Adapter	DIRECTV	EPS10R4-16	DoC
5	4K TV	LG	27UD68	DoC
6	Converter	UPMOST	DCT3	N/A
7	Flash disk3.0	Transcend	JetFlash-700	DoC
8	Remote controller	AT&T	VRC81	N/A

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	WLAN AP	NETGEAR	WNDR3300v2	PY309300116
2	NB	DELL	E4300	DoC
3	Earphone	SHYARO CHI	MIC-04	N/A
4	Adapter	DIRECTV	EPS10R4-16	DoC
5	4K TV	SONY	KLV-32U300A	DoC
6	Flash disk3.0	Silicon Power	B06	DoC
7	Remote controller	AT&T	VRC81	N/A
8	Converter	UPMOST	DCT3	N/A

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Adapter	DIRECTV	EPS10R4-16	DoC

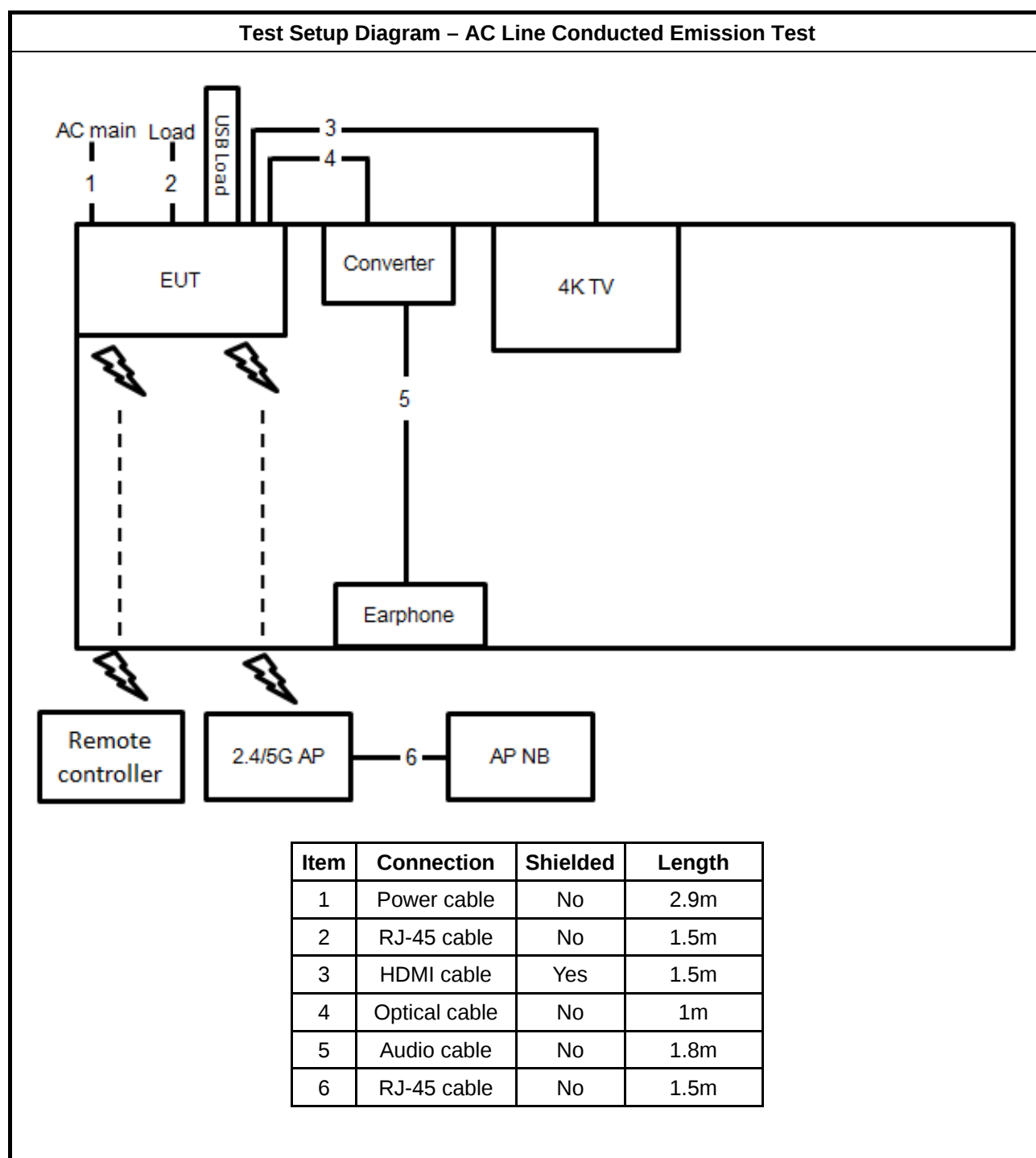
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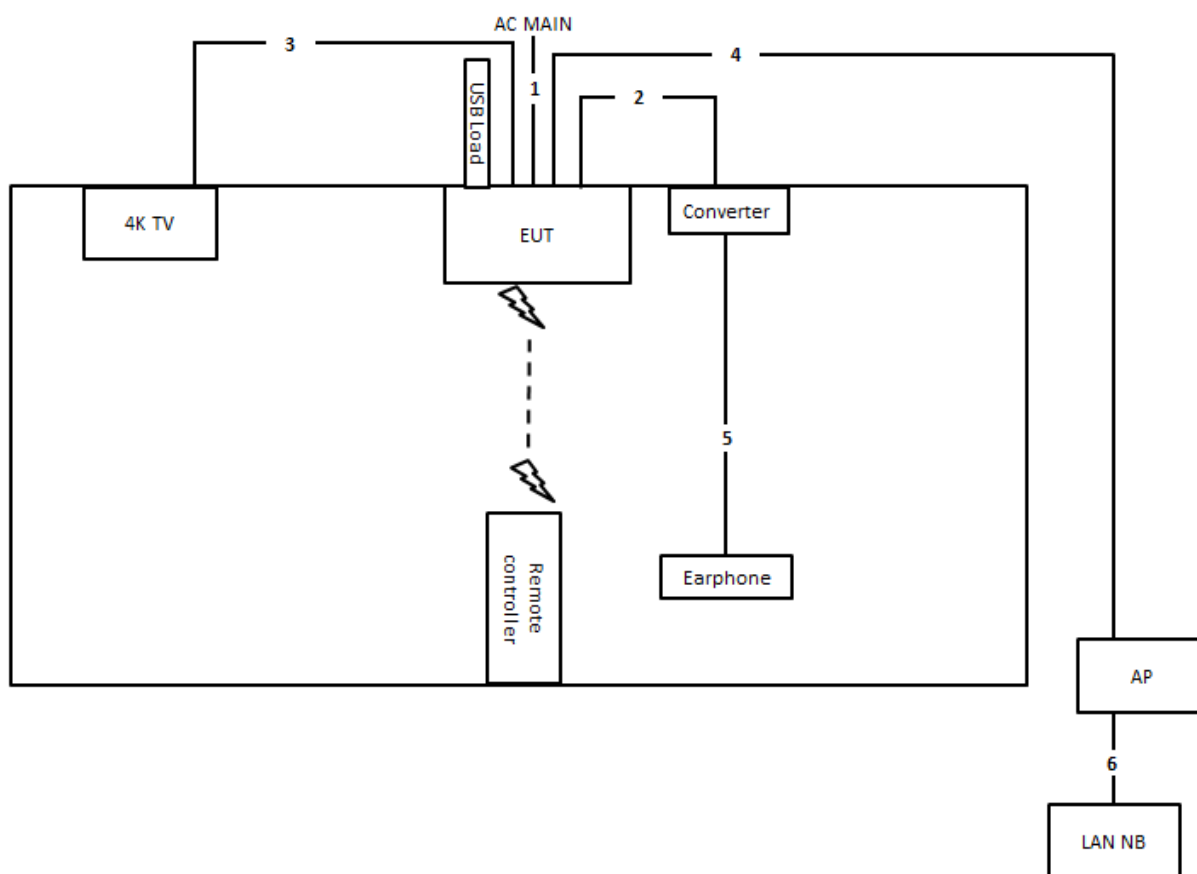
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device	AT&T	C71KW-400	NKR-ATTC71KW
3	Adapter	DIRECTV	EPS10R4-16	DoC

For Test Site No: TH01-CB

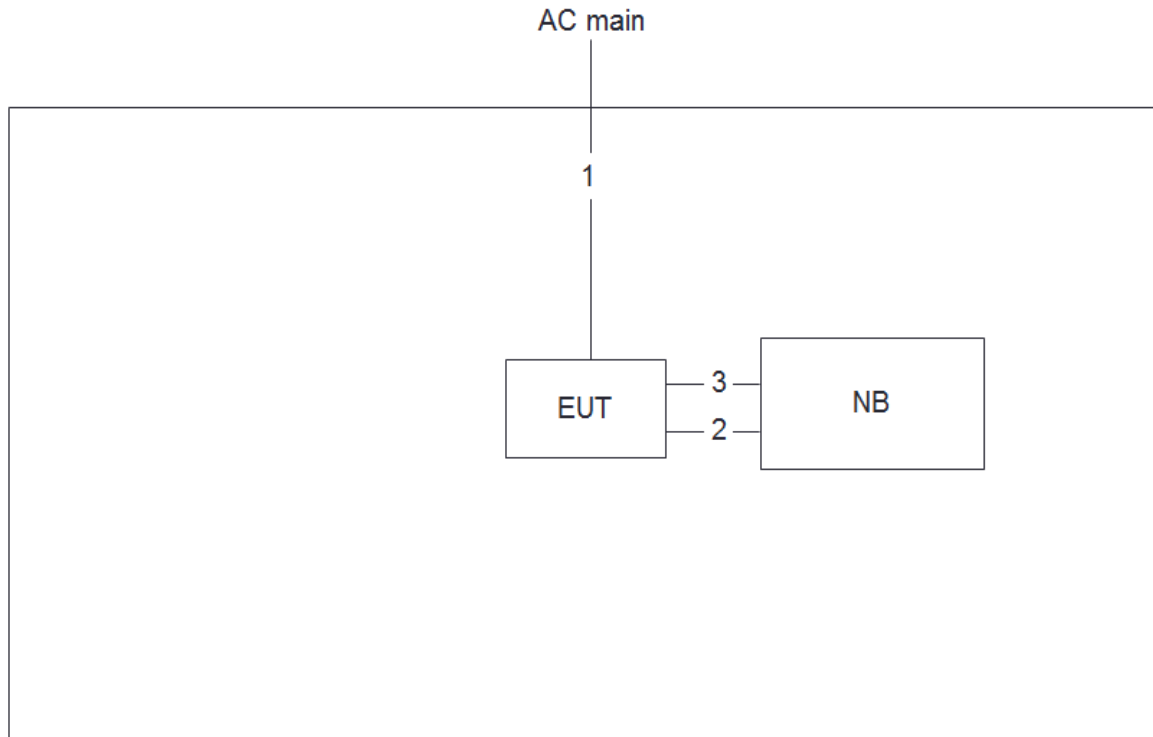
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Adapter	DIRECTV	EPS10R4-16	DoC

2.6 Test Setup Diagram

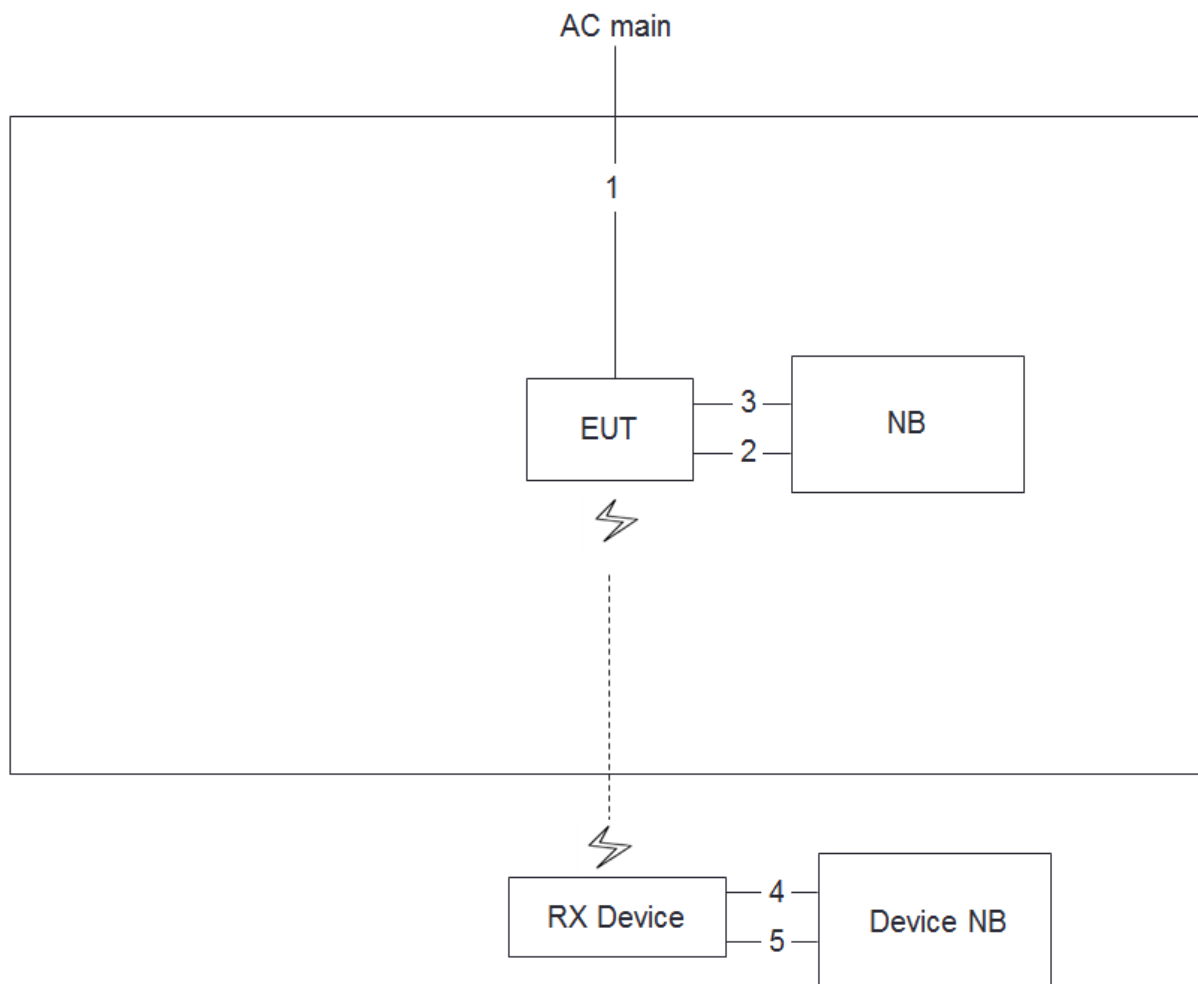


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	2.9m
2	Optical cable	No	1m
3	HDMI cable	Yes	1.5m
4	RJ-45 cable	No	10m
5	Audio cable	No	1.1m
6	RJ-45 cable	No	1m

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


Item	Connection	Shielded	Length
1	Power cable	No	2.9m
2	RS-232 cable	Yes	1.5m
3	RJ-45 cable	No	1.5m

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


Item	Connection	Shielded	Length
1	Power cable	No	2.9m
2	RS-232 cable	Yes	1.5m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	1.5m
5	RS-232 cable	Yes	1.5m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

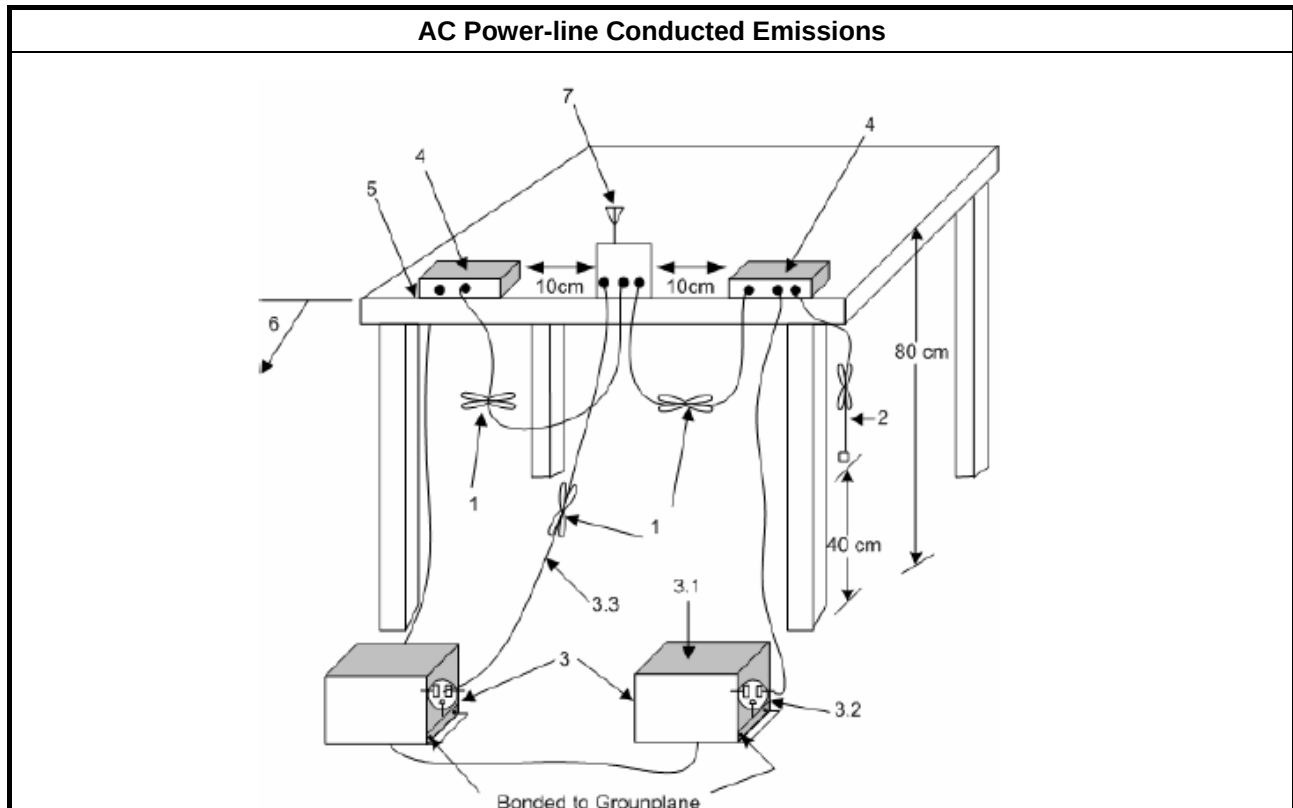
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup





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 $\geq$ 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 $\geq$ 500kHz.

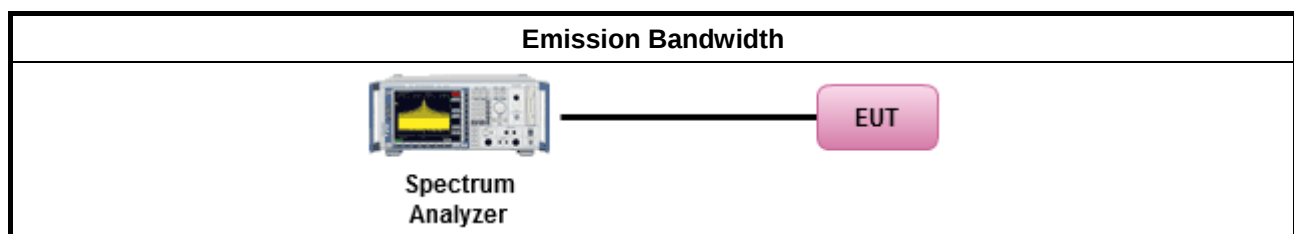
3.2.2 Measuring Instruments

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



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

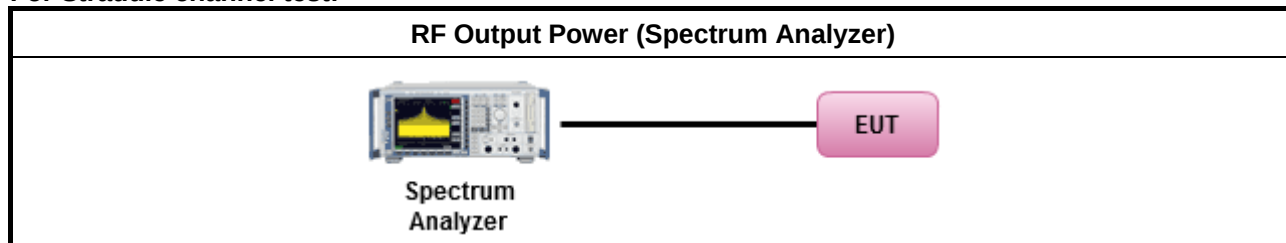
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

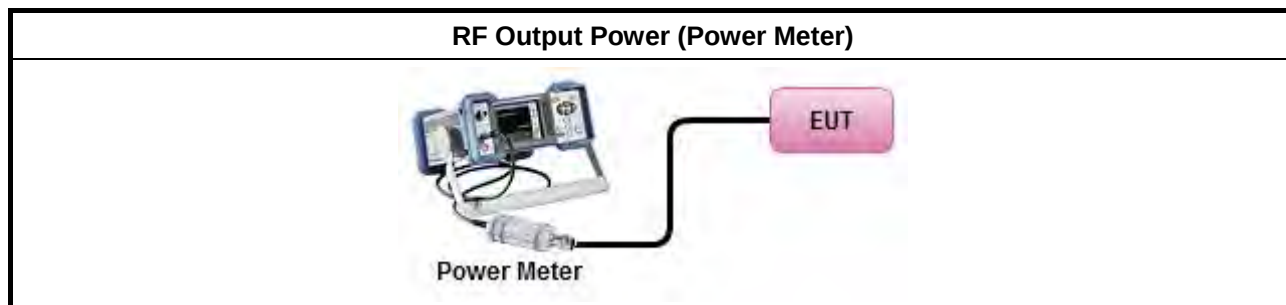
Test Method	
Maximum Conducted Output Power	
Average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup

For Straddle channel test:



For other test:



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 $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ 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.	

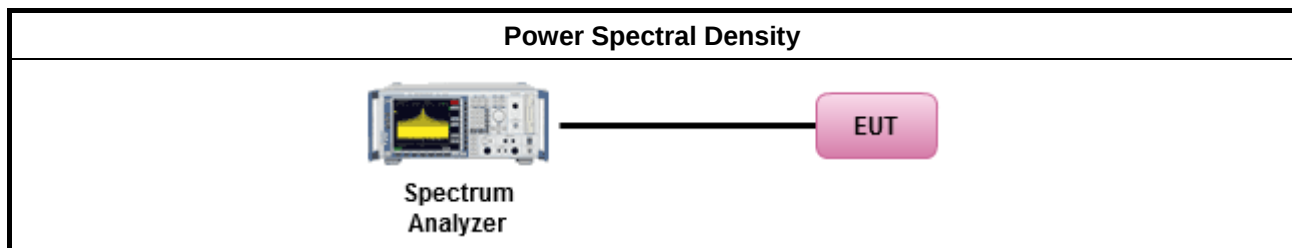
3.4.2 Measuring Instruments

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, F5) 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 PSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup





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).

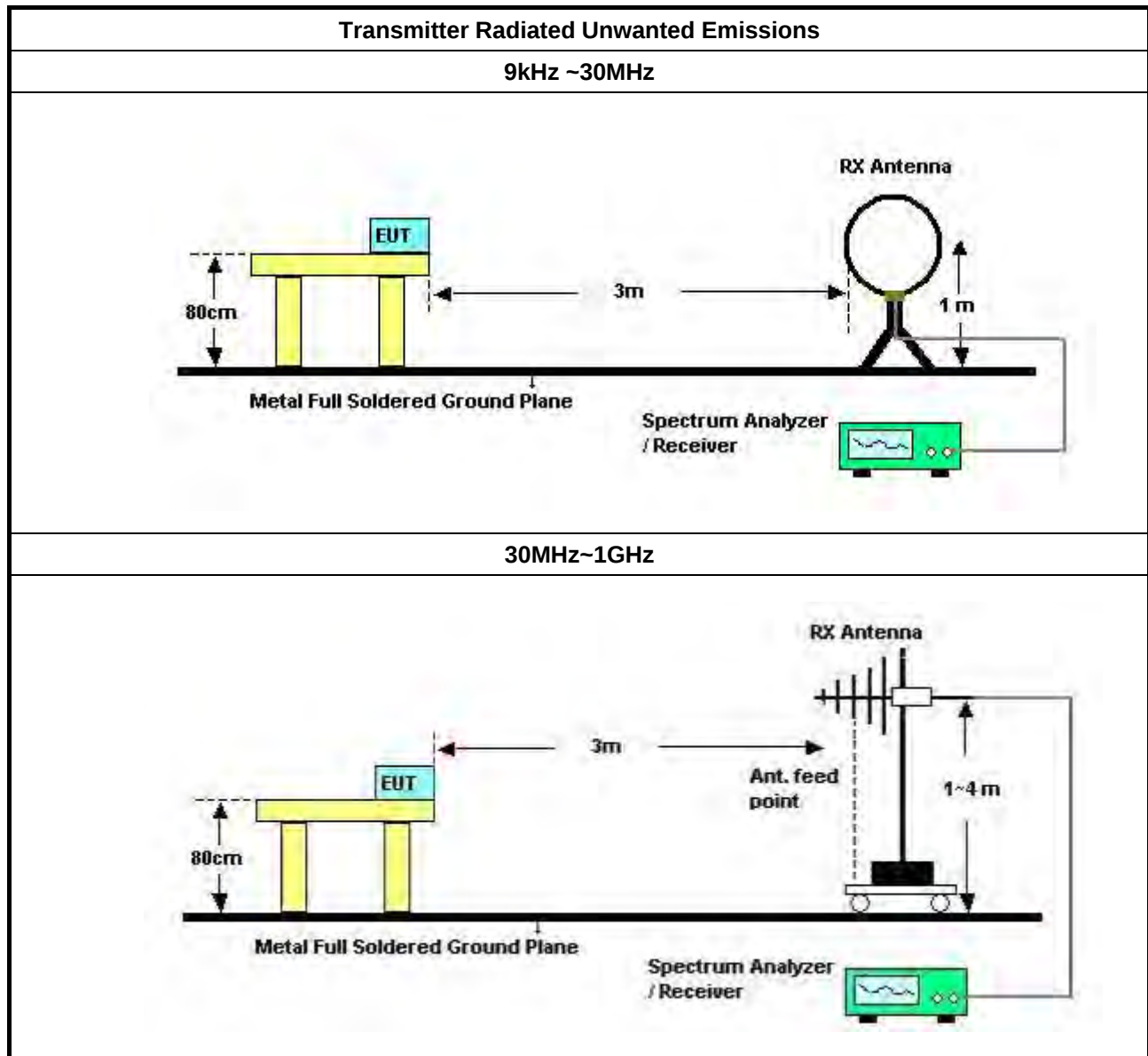
3.5.2 Measuring Instruments

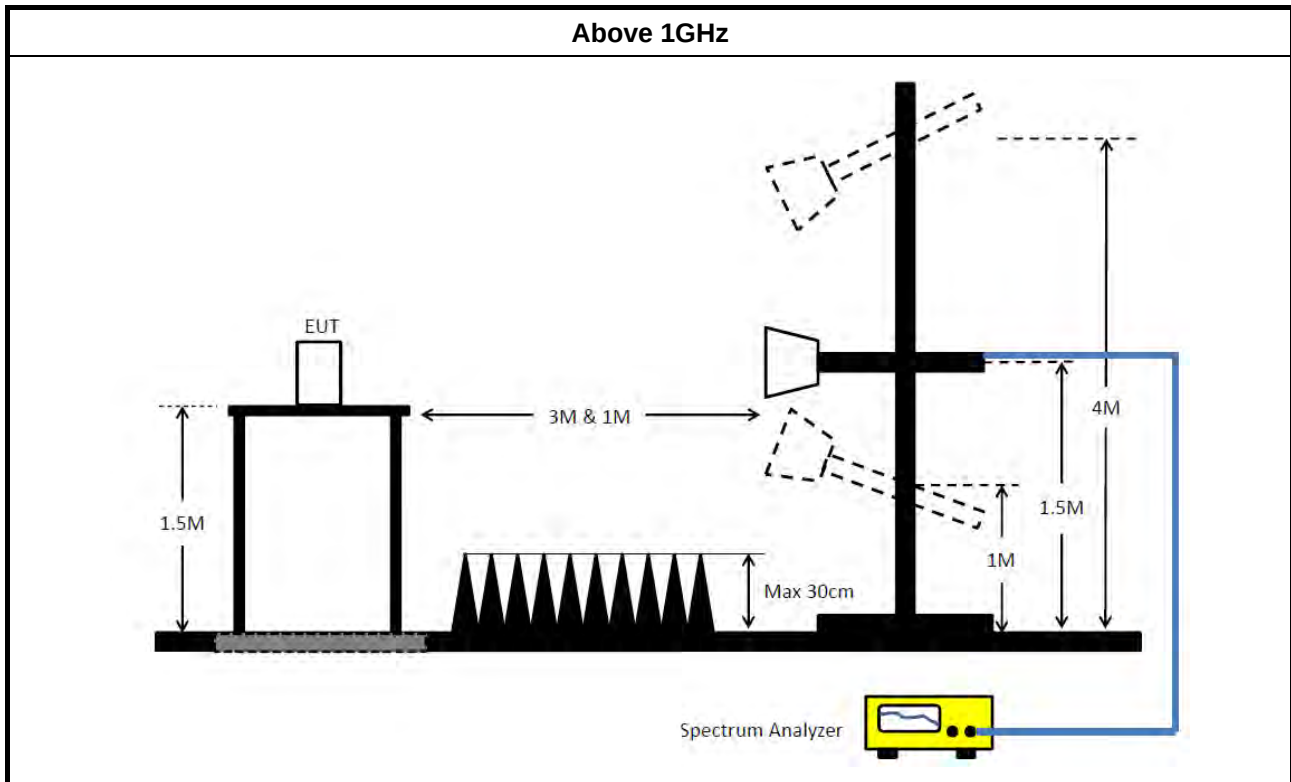
Refer a test equipment and calibration data table in this test report.

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 $\geq$ 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 $\geq$ 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





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

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

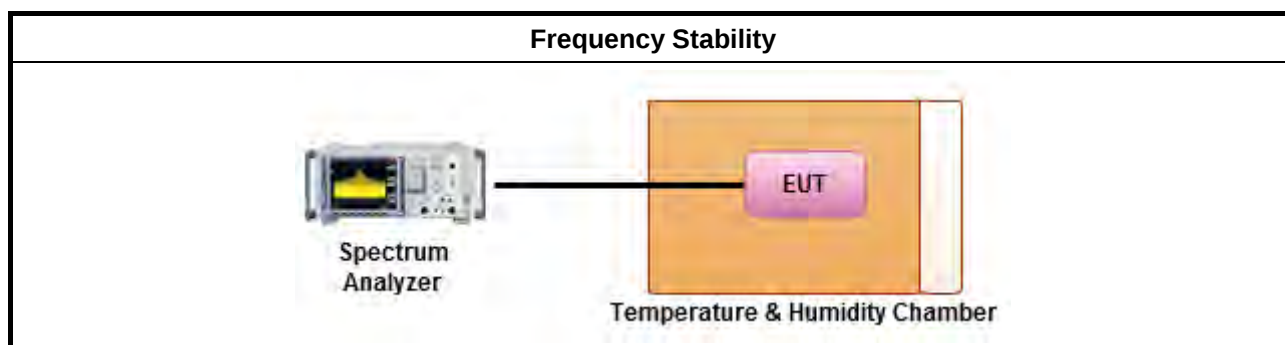
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup





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	Chase & EMCi	CBL6111A &N-6-06	1543 &AT-N0604	30MHz ~ 1GHz	Jan. 11, 2017	Jan. 10, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
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)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 02, 2017	Jun. 01, 2018	Conducted (TH01-CB)



FCC Test Report

Report No. : FR791514AB

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

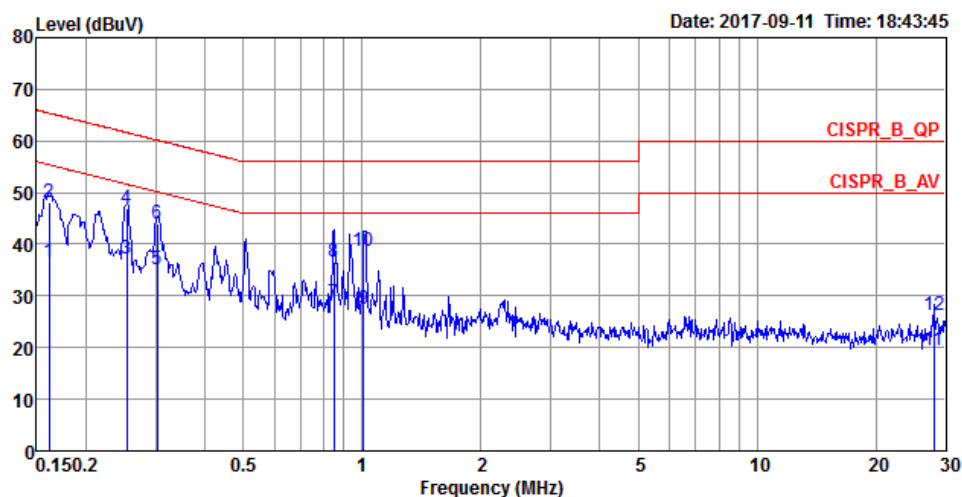
Note: Calibration Interval of instruments listed above is one year.

“*” Calibration Interval of instruments listed above is two years.

N.C.R means Non-Calibration required.

AC Power-line Conducted Emissions Result

Operating Mode	3	Power Phase	Neutral
Operating Function	Normal Link		



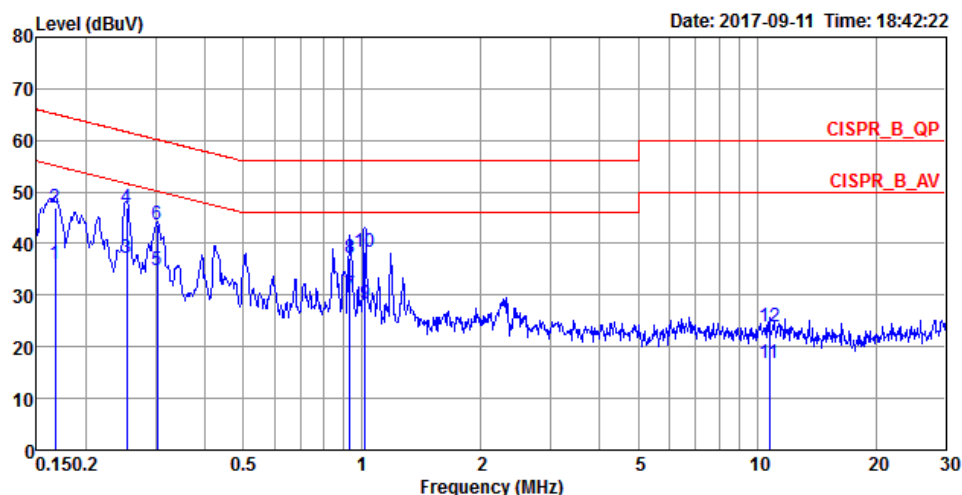
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1616	36.51	-18.87	55.38	26.26	10.10	0.15	Average	NEUTRAL
2	0.1616	47.98	-17.40	65.38	37.73	10.10	0.15	QP	NEUTRAL
3	0.2535	37.26	-14.38	51.64	27.09	10.08	0.09	Average	NEUTRAL
4	0.2535	46.90	-14.74	61.64	36.73	10.08	0.09	QP	NEUTRAL
5	0.3035	35.23	-14.92	50.15	25.02	10.15	0.06	Average	NEUTRAL
6	0.3035	44.05	-16.10	60.15	33.84	10.15	0.06	QP	NEUTRAL
7	0.8483	28.75	-17.25	46.00	18.49	10.10	0.16	Average	NEUTRAL
8	0.8483	36.55	-19.45	56.00	26.29	10.10	0.16	QP	NEUTRAL
9	1.0103	27.48	-18.52	46.00	17.24	10.05	0.19	Average	NEUTRAL
10	1.0103	38.75	-17.25	56.00	28.51	10.05	0.19	QP	NEUTRAL
11	28.0032	19.48	-30.52	50.00	8.67	10.53	0.28	Average	NEUTRAL
12	28.0032	26.26	-33.74	60.00	15.45	10.53	0.28	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	3	Power Phase	Line
Operating Function	Normal Link		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark	Pol/Phase
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1668	36.02	-19.10	55.12	25.87	10.00	0.15	Average	LINE
2	0.1668	46.82	-18.30	65.12	36.67	10.00	0.15	QP	LINE
3	0.2535	37.23	-14.41	51.64	27.22	9.92	0.09	Average	LINE
4	0.2535	46.93	-14.71	61.64	36.92	9.92	0.09	QP	LINE
5	0.3035	34.89	-15.26	50.15	24.90	9.93	0.06	Average	LINE
6	0.3035	43.76	-16.39	60.15	33.77	9.93	0.06	QP	LINE
7	0.9331	29.98	-16.02	46.00	19.84	9.96	0.18	Average	LINE
8	0.9331	37.29	-18.71	56.00	27.15	9.96	0.18	QP	LINE
9	1.0157	28.23	-17.77	46.00	18.08	9.96	0.19	Average	LINE
10	1.0157	38.23	-17.77	56.00	28.08	9.96	0.19	QP	LINE
11	10.7330	16.89	-33.11	50.00	6.58	10.15	0.16	Average	LINE
12	10.7330	23.80	-36.20	60.00	13.49	10.15	0.16	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.)



EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix B.1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	41.75M	19.79M	19M8D1D	21.925M	16.592M
5.25-5.35GHz	21.65M	16.617M	16M6D1D	21.3M	16.542M
5.47-5.725GHz	21.575M	16.617M	16M6D1D	15.675M	13.403M
5.725-5.85GHz	16.325M	28.361M	28M4D1D	3.02M	3.718M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	44.725M	19.915M	19M9D1D	29.4M	17.791M
5.25-5.35GHz	21.8M	17.766M	17M8D1D	21.525M	17.666M
5.47-5.725GHz	21.9M	17.791M	17M8D1D	15.825M	13.988M
5.725-5.85GHz	17.575M	29.91M	29M9D1D	3.62M	4.018M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	86.5M	38.481M	38M5D1D	39.7M	36.232M
5.25-5.35GHz	44.9M	36.332M	36M3D1D	39.85M	36.182M
5.47-5.725GHz	44.5M	36.382M	36M4D1D	34.965M	33.093M
5.725-5.85GHz	36.35M	60.77M	60M8D1D	3.02M	3.358M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.7M	75.862M	75M9D1D	81.3M	75.762M
5.25-5.35GHz	81.9M	75.862M	75M9D1D	81.3M	75.562M
5.47-5.725GHz	82.3M	75.862M	75M9D1D	75.6M	72.489M
5.725-5.85GHz	75.7M	76.262M	76M3D1D	2.08M	3.578M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	42.85M	18.291M	18M3D1D	23.625M	17.766M
5.25-5.35GHz	22M	17.816M	17M8D1D	21.65M	17.691M
5.47-5.725GHz	21.9M	17.791M	17M8D1D	15.765M	13.943M
5.725-5.85GHz	17.575M	22.389M	22M4D1D	3.38M	4.038M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	85.55M	36.932M	36M9D1D	39.7M	36.082M
5.25-5.35GHz	40.3M	36.282M	36M3D1D	39.6M	36.082M
5.47-5.725GHz	40.6M	36.332M	36M3D1D	35.105M	33.023M
5.725-5.85GHz	36.35M	49.675M	49M7D1D	3.02M	3.458M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.7M	75.862M	75M9D1D	80.3M	75.262M
5.25-5.35GHz	81.4M	75.962M	76M0D1D	80.4M	75.362M
5.47-5.725GHz	81.9M	75.862M	75M9D1D	75.525M	72.339M
5.725-5.85GHz	75.6M	76.362M	76M4D1D	3.04M	3.738M

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;



EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix B.1

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.475M	16.667M	22M	16.592M	21.925M	16.667M	26.25M	16.642M
5200MHz	Pass	Inf	38.15M	18.491M	36.525M	17.566M	41.625M	18.241M	41.75M	19.79M
5240MHz	Pass	Inf	36.425M	17.266M	35.65M	16.992M	37.575M	17.141M	41.625M	19.14M
5260MHz	Pass	Inf	21.45M	16.592M	21.45M	16.567M	21.425M	16.542M	21.65M	16.592M
5300MHz	Pass	Inf	21.5M	16.567M	21.5M	16.592M	21.525M	16.592M	21.3M	16.592M
5320MHz	Pass	Inf	21.475M	16.567M	21.45M	16.567M	21.5M	16.617M	21.55M	16.592M
5500MHz	Pass	Inf	21.35M	16.567M	21.475M	16.567M	21.525M	16.567M	21.525M	16.567M
5580MHz	Pass	Inf	21.45M	16.542M	21.525M	16.542M	21.45M	16.617M	21.575M	16.592M
5700MHz	Pass	Inf	21.45M	16.617M	21.45M	16.567M	21.5M	16.592M	21.575M	16.617M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	13.403M	15.795M	13.403M	15.765M	13.403M	15.795M	13.463M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.02M	3.818M	3.02M	3.738M	3.02M	3.718M	3.02M	3.838M
5745MHz	Pass	500k	16.3M	21.614M	16.3M	26.112M	16.325M	18.166M	16.3M	20.39M
5785MHz	Pass	500k	16.3M	24.363M	16.3M	26.937M	16.325M	19.14M	16.3M	25.312M
5825MHz	Pass	500k	16.325M	25.012M	16.275M	28.361M	16.325M	19.84M	16.3M	26.037M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	32M	17.791M	29.4M	17.816M	39.725M	17.816M	39.55M	17.941M
5200MHz	Pass	Inf	43.95M	18.591M	39.975M	18.191M	44.725M	18.516M	42.225M	19.915M
5240MHz	Pass	Inf	43.225M	18.191M	39.825M	18.041M	44.325M	18.091M	44.525M	19.29M
5260MHz	Pass	Inf	21.525M	17.691M	21.65M	17.741M	21.625M	17.766M	21.65M	17.766M
5300MHz	Pass	Inf	21.525M	17.741M	21.625M	17.741M	21.65M	17.741M	21.8M	17.666M
5320MHz	Pass	Inf	21.625M	17.741M	21.525M	17.741M	21.8M	17.741M	21.75M	17.741M
5500MHz	Pass	Inf	21.65M	17.691M	21.85M	17.691M	21.625M	17.741M	21.75M	17.766M
5580MHz	Pass	Inf	21.65M	17.741M	21.575M	17.691M	21.7M	17.741M	21.85M	17.791M
5700MHz	Pass	Inf	21.725M	17.716M	21.8M	17.716M	21.85M	17.716M	21.9M	17.716M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.855M	14.003M	15.825M	13.988M	15.84M	14.003M	15.9M	13.988M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.62M	4.118M	3.66M	4.038M	3.66M	4.198M	3.64M	4.018M
5745MHz	Pass	500k	17.525M	24.213M	17.5M	28.136M	17.55M	19.04M	17.5M	21.939M
5785MHz	Pass	500k	17.325M	26.137M	17.55M	28.636M	17.55M	19.965M	17.525M	27.661M
5825MHz	Pass	500k	17.575M	26.112M	17.55M	29.91M	17.5M	20.015M	17.55M	27.811M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.9M	36.232M	39.7M	36.282M	43.9M	36.332M	42M	36.282M
5230MHz	Pass	Inf	77.85M	36.532M	76.9M	36.532M	81.4M	36.582M	86.5M	38.481M
5270MHz	Pass	Inf	41.4M	36.182M	39.85M	36.182M	43.9M	36.332M	41.8M	36.282M
5310MHz	Pass	Inf	40.15M	36.232M	39.95M	36.182M	44.9M	36.332M	40.05M	36.282M
5510MHz	Pass	Inf	40.4M	36.232M	39.9M	36.282M	42.1M	36.282M	40.05M	36.232M
5550MHz	Pass	Inf	41.7M	36.232M	39.85M	36.232M	43.25M	36.232M	43.2M	36.282M
5670MHz	Pass	Inf	40.05M	36.232M	39.9M	36.282M	44.5M	36.382M	42.15M	36.182M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.128M	35.105M	33.093M	35.035M	33.198M	35.805M	33.128M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.02M	3.358M	3.02M	3.358M	3.04M	3.498M	3.02M	3.518M
5755MHz	Pass	500k	36.05M	51.974M	36.3M	55.572M	36.25M	40.23M	36.35M	48.826M
5795MHz	Pass	500k	36.3M	54.473M	36.3M	60.77M	36.1M	40.23M	36.3M	55.972M



EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix B.1

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.3M	75.862M	81.7M	75.762M	81.7M	75.762M	81.7M	75.862M
5290MHz	Pass	Inf	81.3M	75.862M	81.4M	75.662M	81.5M	75.862M	81.9M	75.562M
5530MHz	Pass	Inf	82.3M	75.562M	81.4M	75.862M	81.6M	75.862M	81.9M	75.662M
5610MHz	Pass	Inf	82.3M	75.862M	81.4M	75.762M	81.7M	75.762M	81.9M	75.762M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.6M	72.564M	75.675M	72.639M	75.675M	72.639M	75.75M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.08M	3.598M	3.02M	3.578M	3.02M	3.758M	2.8M	3.598M
5775MHz	Pass	500k	75.1M	76.162M	75.7M	76.262M	75.1M	76.062M	75.7M	76.162M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	25.275M	17.766M	23.625M	17.766M	23.65M	17.791M	30.65M	17.916M
5200MHz	Pass	Inf	40.125M	18.291M	42.85M	18.166M	38.775M	18.241M	39.775M	18.116M
5240MHz	Pass	Inf	35.075M	17.891M	38.875M	18.091M	32.775M	17.966M	40.925M	18.241M
5260MHz	Pass	Inf	21.75M	17.766M	21.725M	17.691M	21.825M	17.766M	21.7M	17.816M
5300MHz	Pass	Inf	21.725M	17.766M	21.975M	17.741M	21.8M	17.741M	21.65M	17.741M
5320MHz	Pass	Inf	21.8M	17.816M	21.825M	17.791M	22M	17.741M	21.725M	17.716M
5500MHz	Pass	Inf	21.675M	17.716M	21.625M	17.791M	21.525M	17.766M	21.65M	17.716M
5580MHz	Pass	Inf	21.65M	17.691M	21.75M	17.766M	21.725M	17.691M	21.55M	17.741M
5700MHz	Pass	Inf	21.375M	17.691M	21.9M	17.791M	21.875M	17.741M	21.225M	17.691M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	13.943M	15.945M	13.973M	15.795M	13.958M	15.765M	14.003M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.68M	4.038M	3.66M	4.138M	3.38M	4.078M	3.76M	4.218M
5745MHz	Pass	500k	17.575M	19.015M	17.3M	20.29M	17.525M	20.165M	17.525M	22.389M
5785MHz	Pass	500k	17.575M	19.415M	17.2M	19.965M	17.525M	19.94M	16.25M	22.139M
5825MHz	Pass	500k	17.55M	19.04M	17.575M	21.414M	17.55M	20.24M	17.125M	21.839M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40M	36.182M	39.85M	36.182M	40.4M	36.332M	39.7M	36.082M
5230MHz	Pass	Inf	71.05M	36.582M	73.35M	36.632M	69.2M	36.482M	85.55M	36.932M
5270MHz	Pass	Inf	39.6M	36.082M	40.05M	36.182M	40.1M	36.282M	40.15M	36.282M
5310MHz	Pass	Inf	40.05M	36.282M	39.7M	36.232M	40.3M	36.182M	39.85M	36.132M
5510MHz	Pass	Inf	40M	36.182M	39.7M	36.282M	40.1M	36.232M	39.85M	36.282M
5550MHz	Pass	Inf	39.7M	36.332M	39.65M	36.282M	40.6M	36.232M	40.05M	36.282M
5670MHz	Pass	Inf	40.1M	36.332M	39.9M	36.232M	40M	36.232M	40.15M	36.232M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.105M	33.023M	35.175M	33.128M	35.525M	33.198M	35.14M	33.128M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	3.558M	3.02M	3.478M	3.02M	3.458M	3.06M	3.478M
5755MHz	Pass	500k	36.3M	38.731M	36.3M	46.727M	36.35M	44.878M	36.3M	49.675M
5795MHz	Pass	500k	36.3M	41.529M	36.3M	48.226M	36.25M	45.427M	36M	49.075M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.7M	75.862M	80.3M	75.362M	80.5M	75.262M	81.1M	75.762M
5290MHz	Pass	Inf	81.1M	75.762M	81.4M	75.362M	80.7M	75.962M	80.4M	75.362M
5530MHz	Pass	Inf	80.3M	75.562M	81.5M	75.762M	81.6M	75.662M	80.6M	75.762M
5610MHz	Pass	Inf	80.3M	75.462M	81.5M	75.662M	81.9M	75.462M	81.4M	75.862M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.525M	72.339M	76.65M	72.714M	75.525M	72.789M	75.525M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	3.958M	3.04M	3.738M	3.06M	4.058M	3.04M	3.818M
5775MHz	Pass	500k	75.6M	76.062M	75.6M	76.062M	68.8M	76.262M	74M	76.362M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band



EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

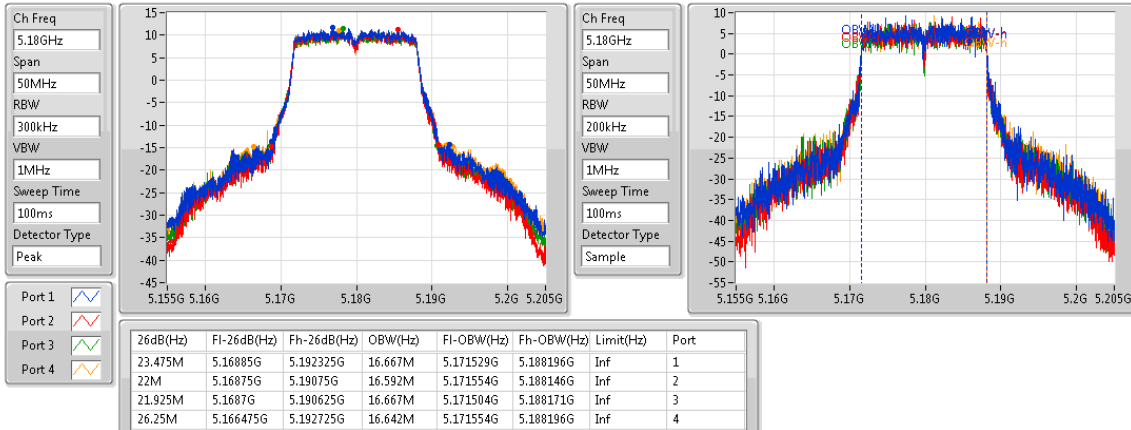
Appendix B.1

Port X-OBW = Port X 99% occupied bandwidth;

802.11a (6Mbps)_4TX

EBW

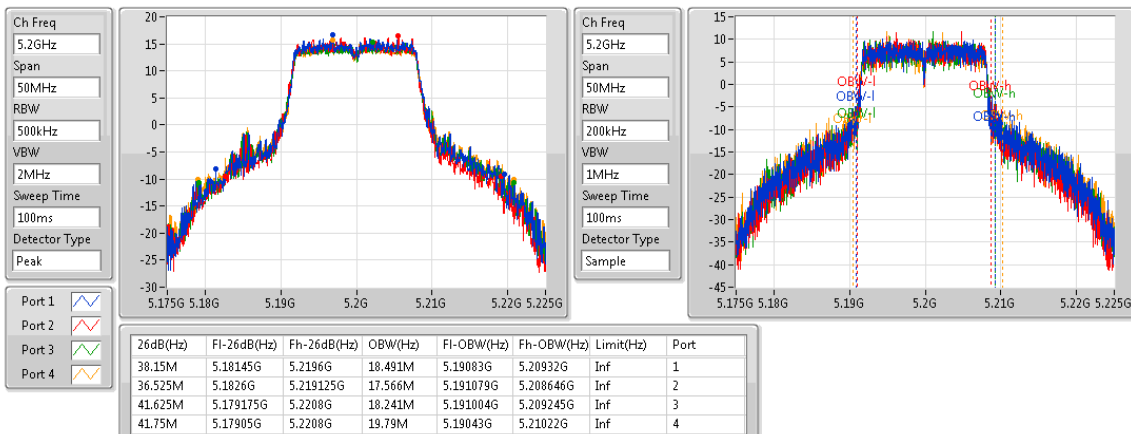
5180MHz



802.11a (6Mbps)_4TX

EBW

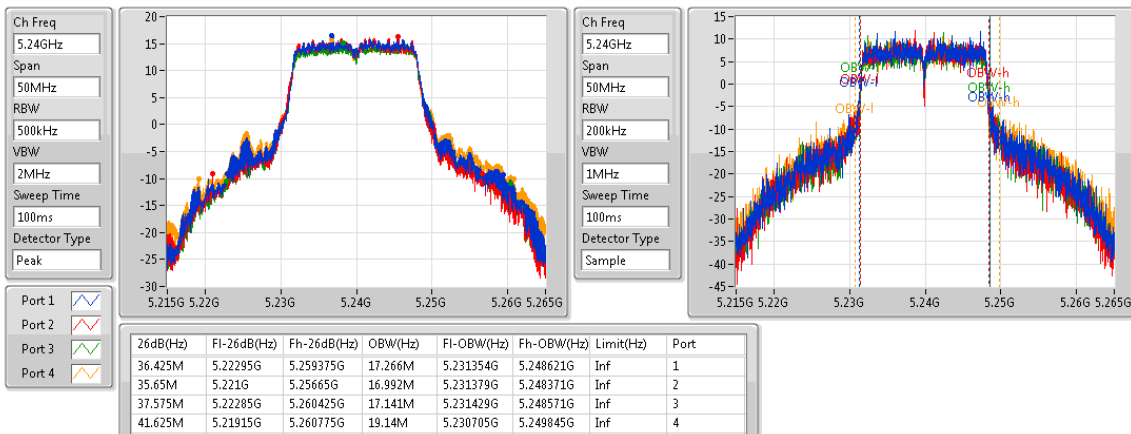
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802.11a (6Mbps)_4TX

EBW

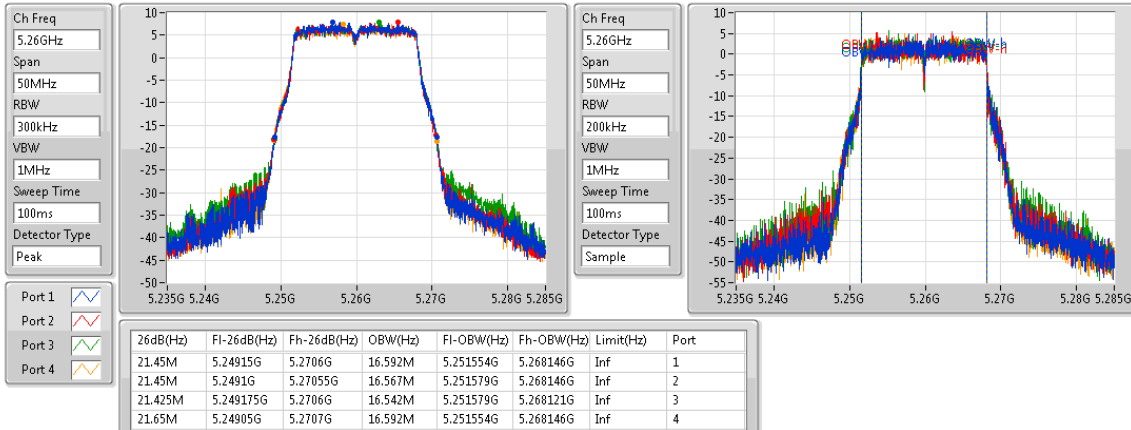
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802.11a (6Mbps)_4TX

EBW

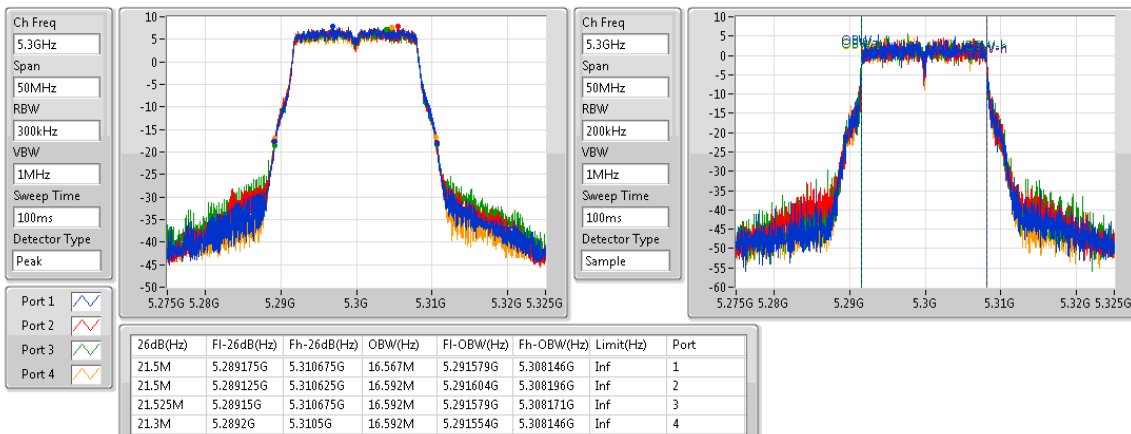
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802.11a (6Mbps)_4TX

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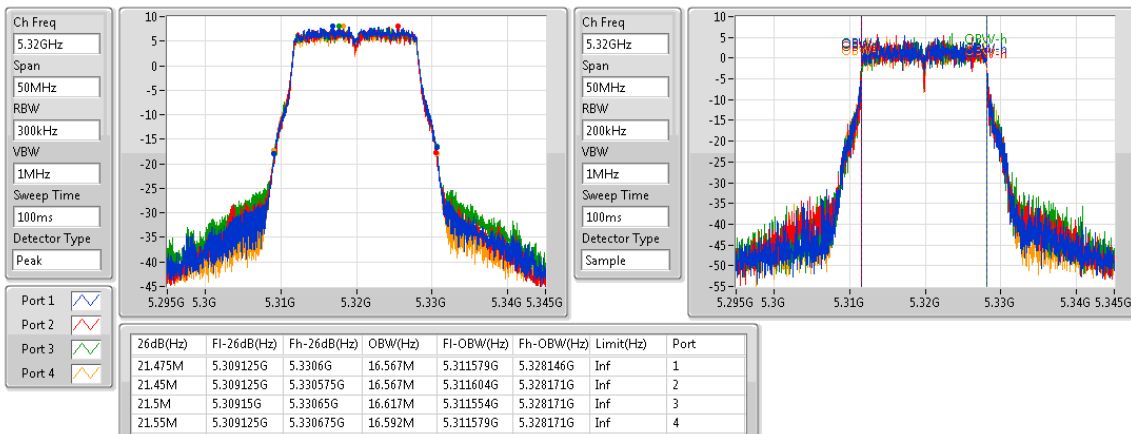
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802.11a (6Mbps)_4TX

EBW

5320MHz





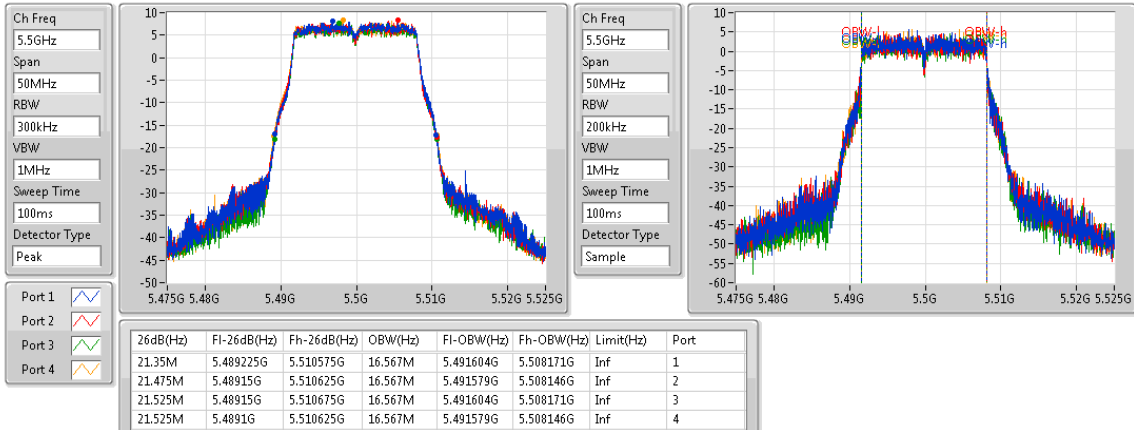
EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix B.1

802.11a (6Mbps)_4TX

EBW

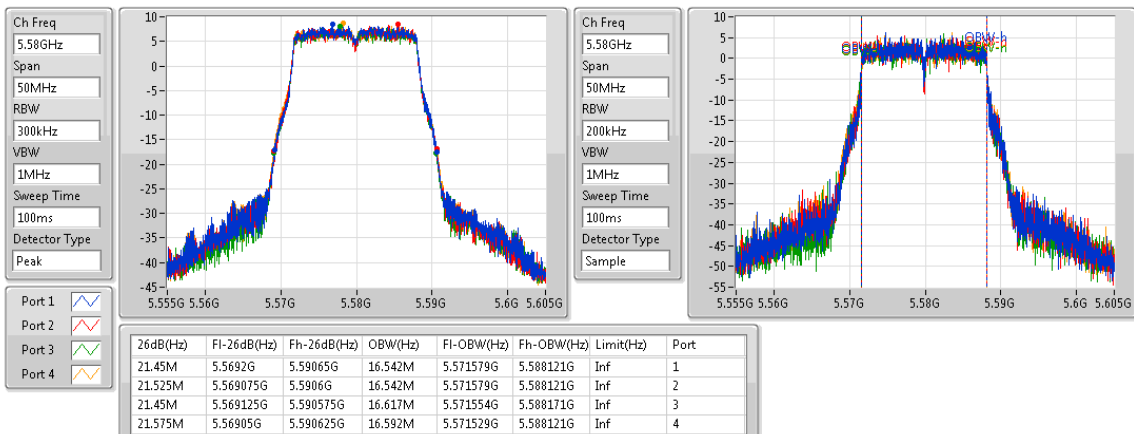
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802.11a (6Mbps)_4TX

EBW

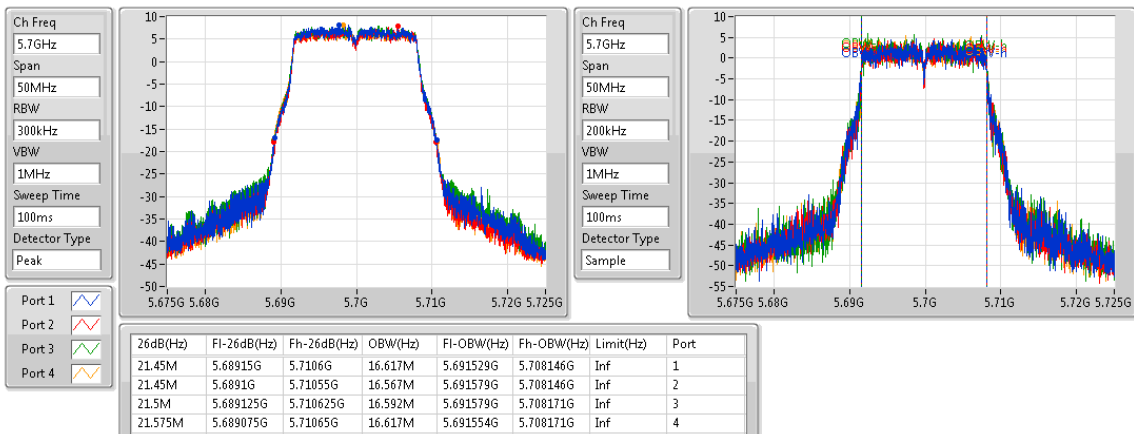
5580MHz



802.11a (6Mbps)_4TX

EBW

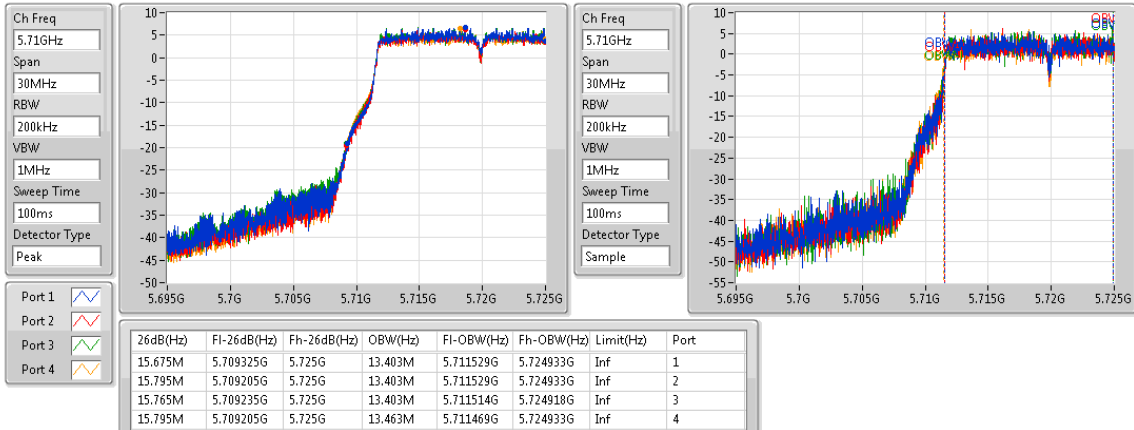
5700MHz



802.11a (6Mbps)_4TX

EBW

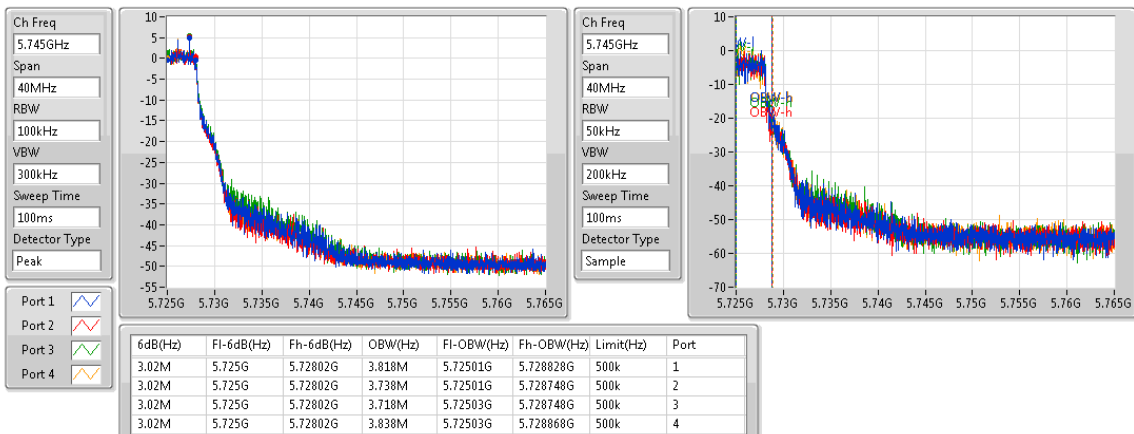
5720MHz Straddle 5.47-5.725GHz



802.11a (6Mbps)_4TX

EBW

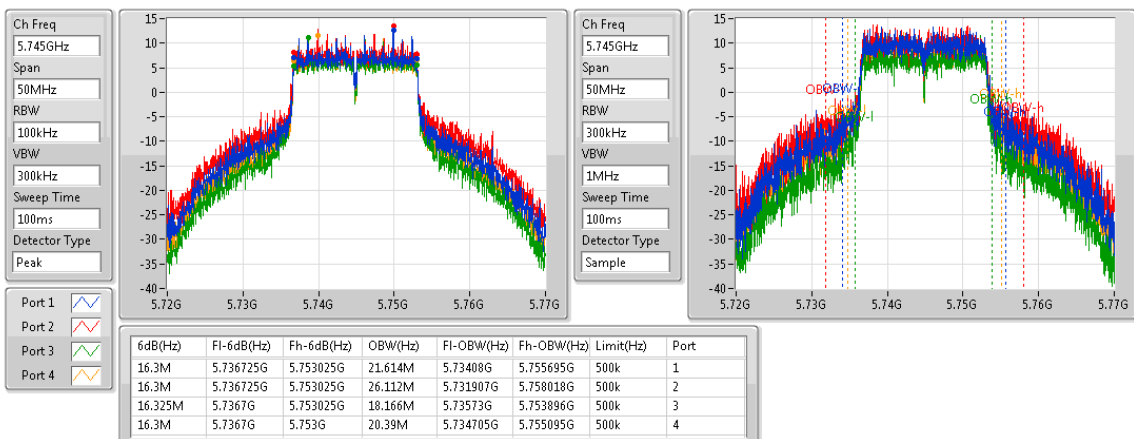
5720MHz Straddle 5.725-5.85GHz



802.11a (6Mbps)_4TX

EBW

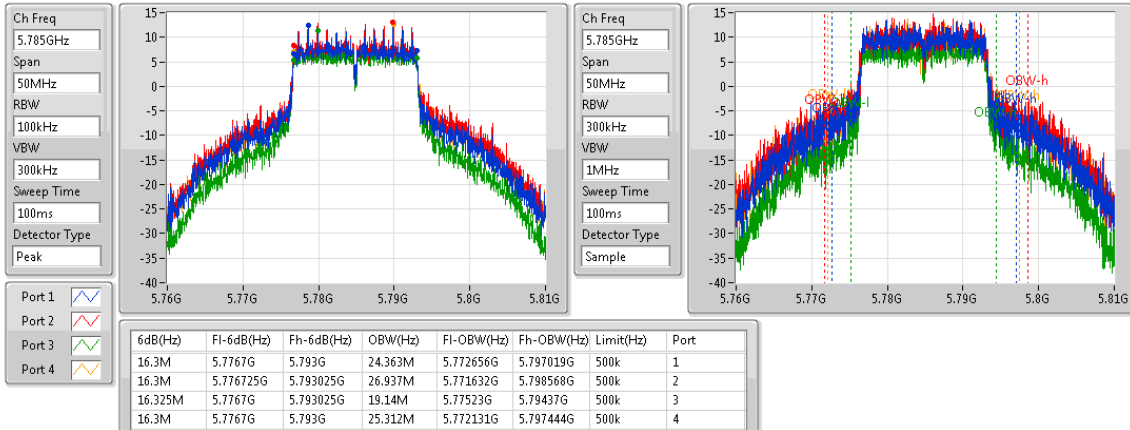
5745MHz



802.11a (6Mbps)_4TX

EBW

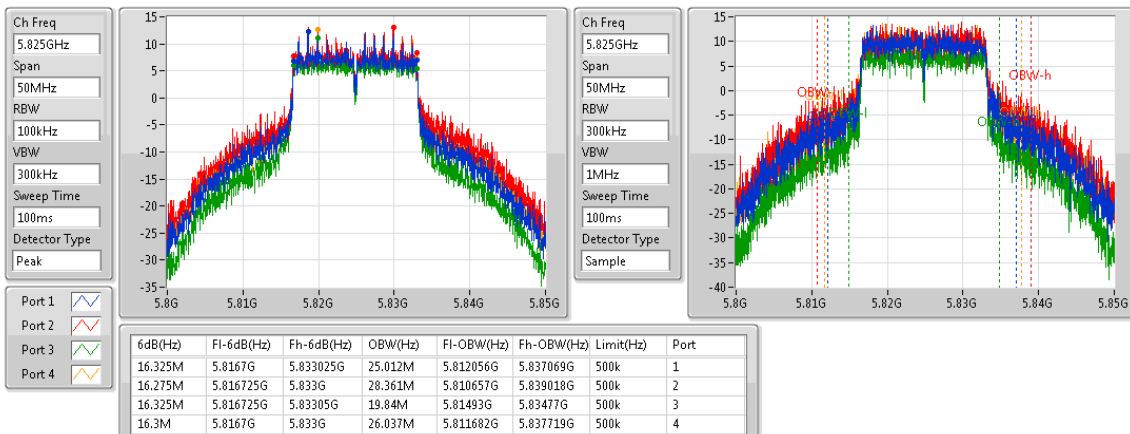
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802.11a (6Mbps)_4TX

EBW

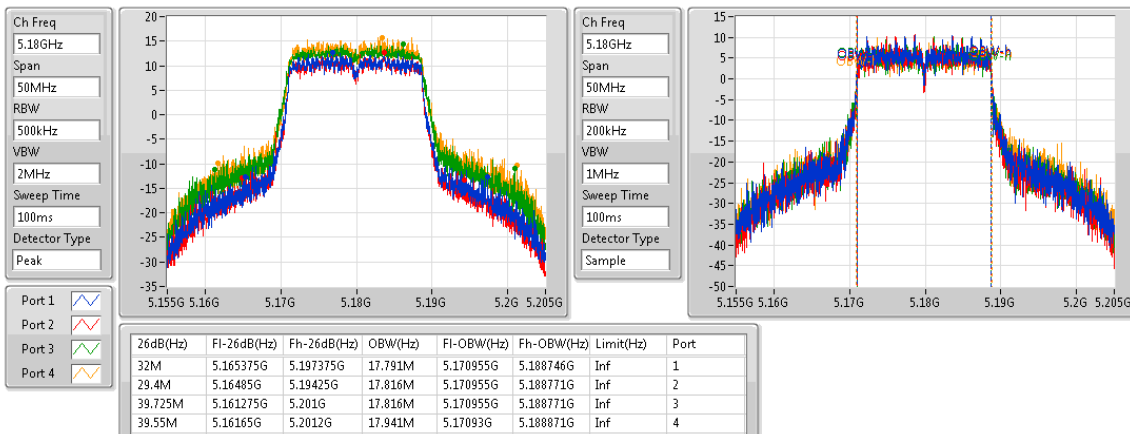
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802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

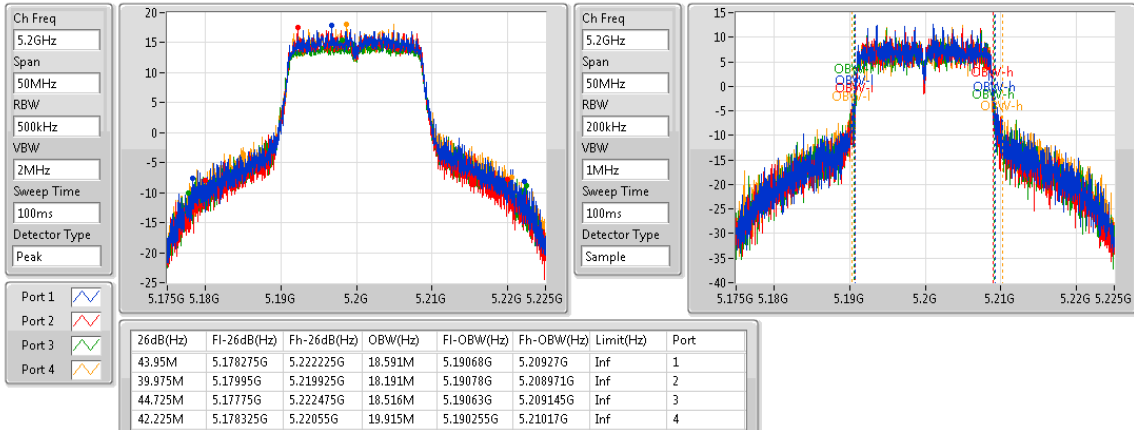
5180MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

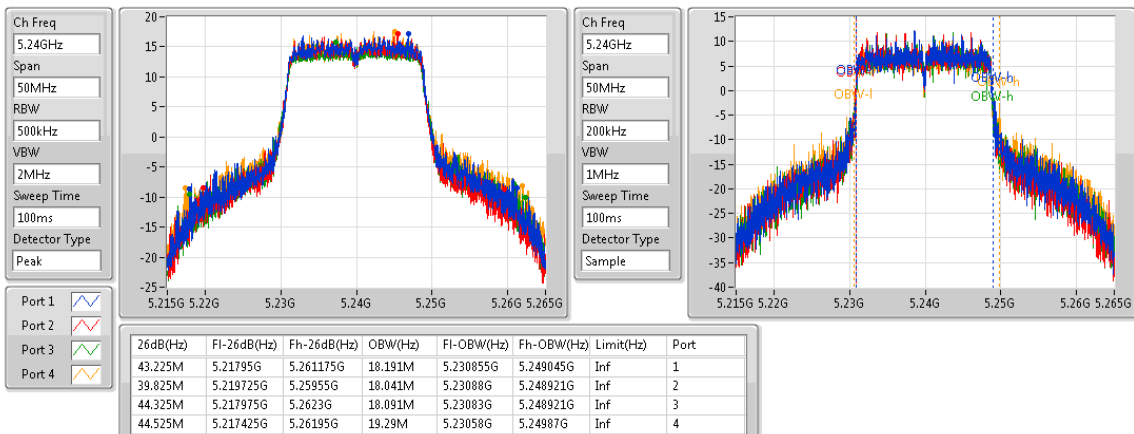
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802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

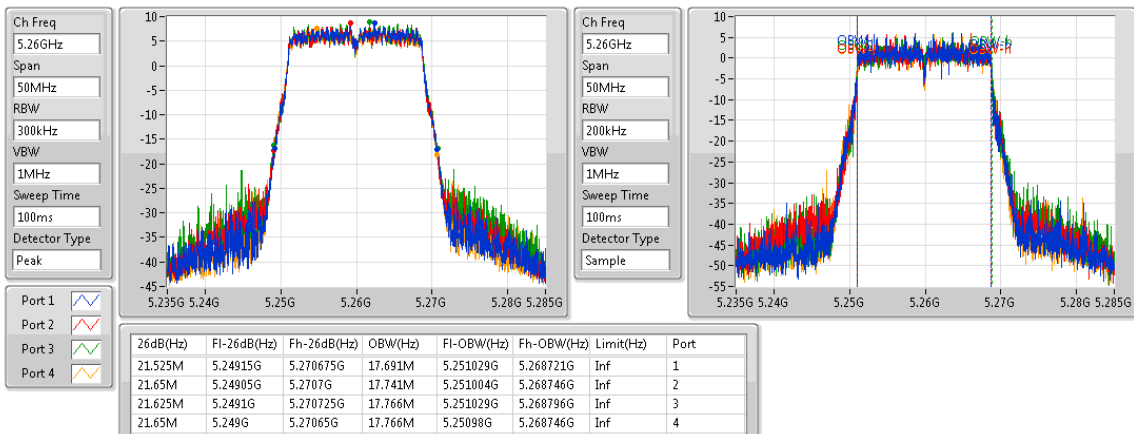
5240MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5260MHz





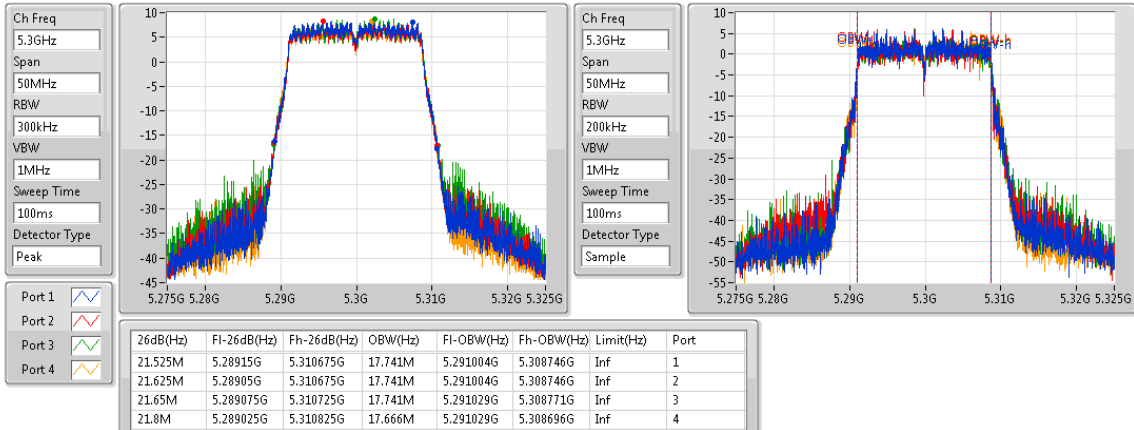
EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix B.1

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

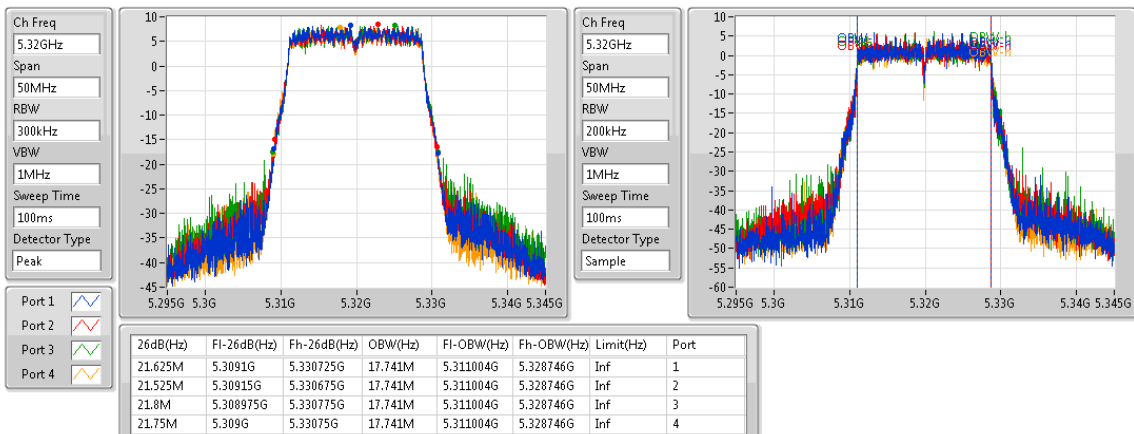
5300MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

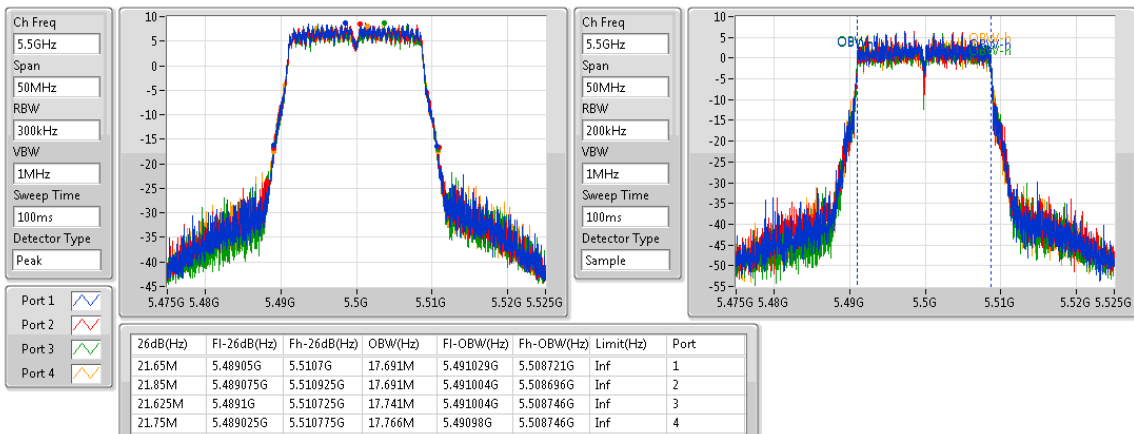
5320MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

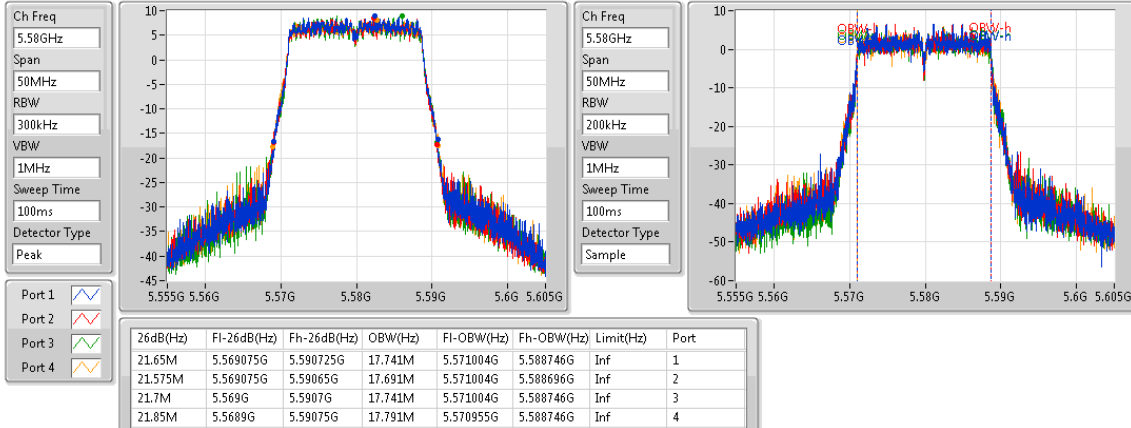
5500MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

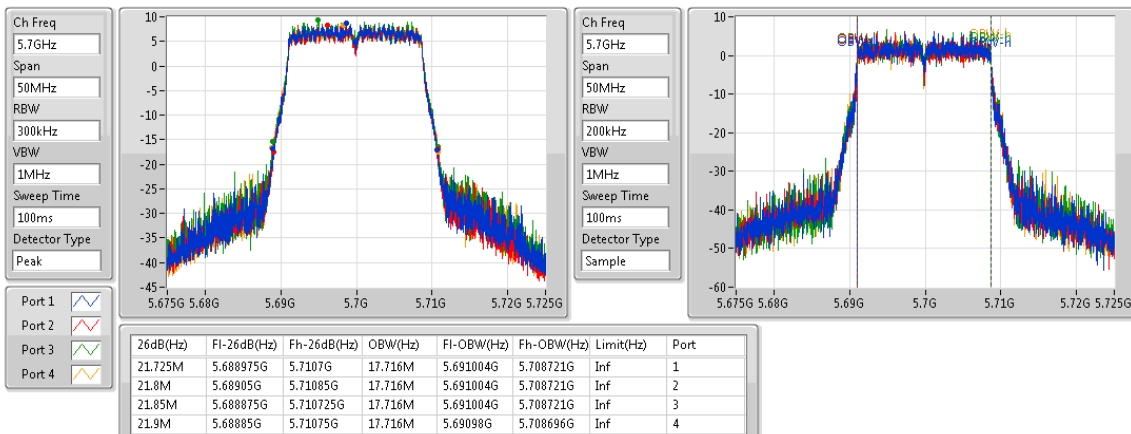
5580MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

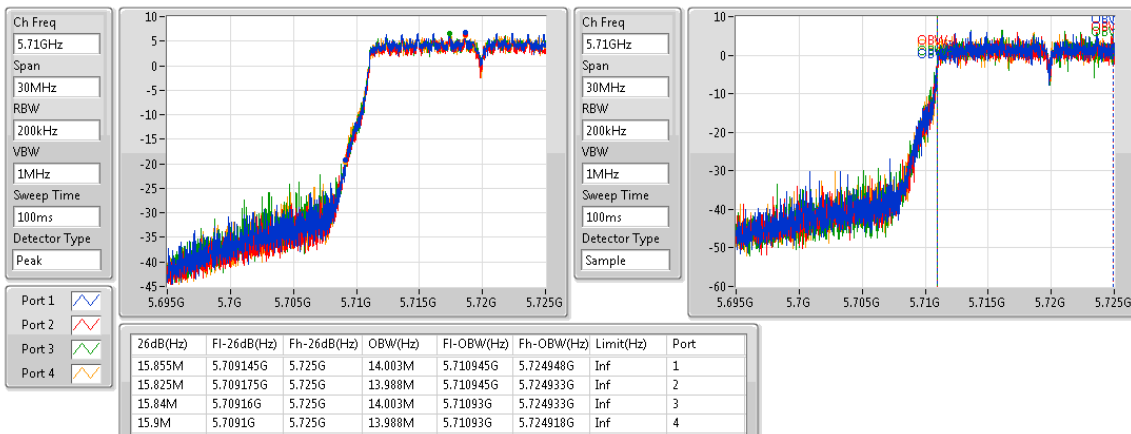
5700MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

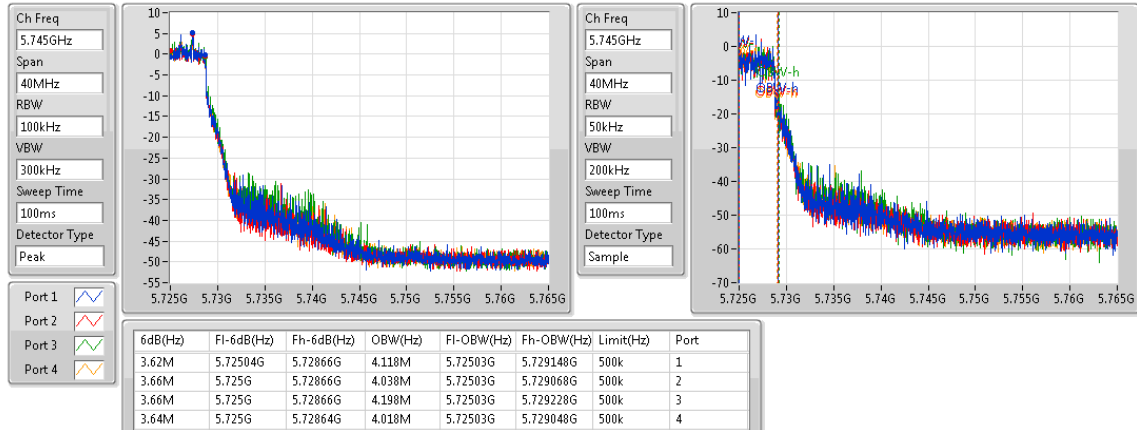
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

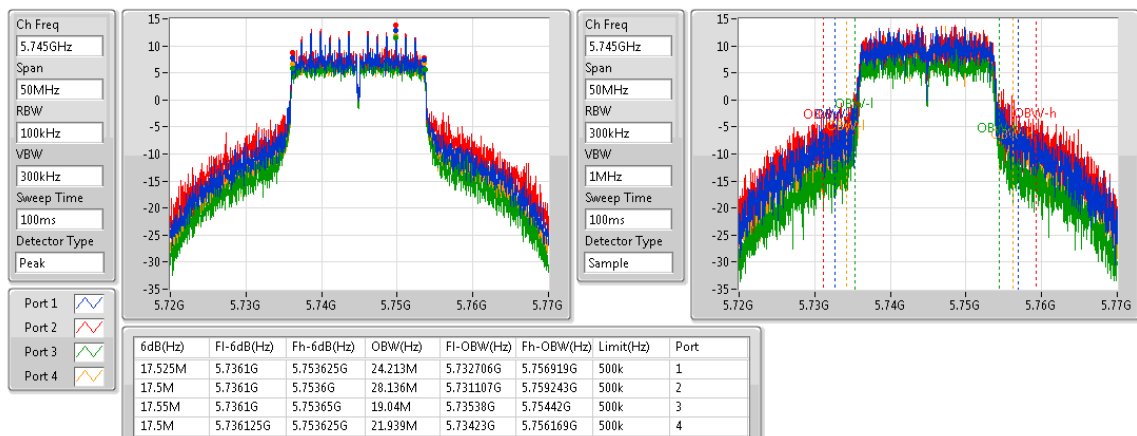
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

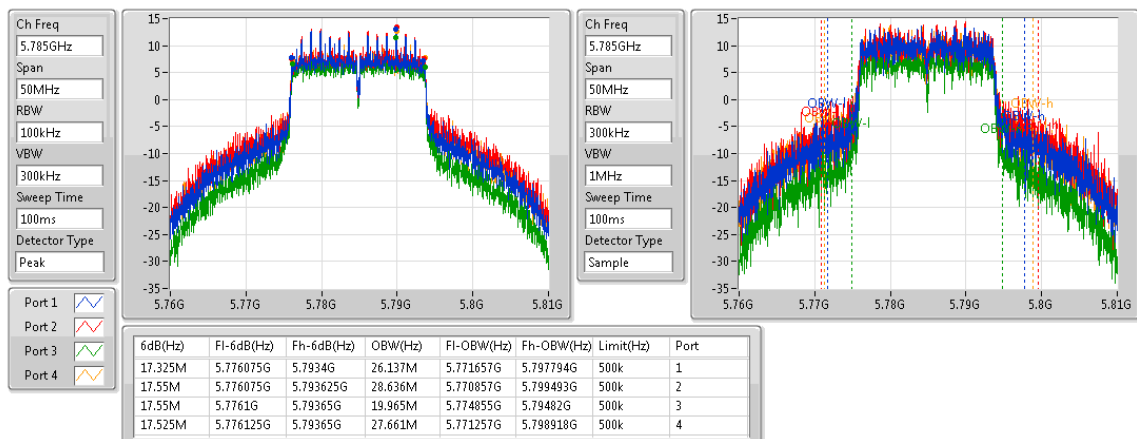
5745MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

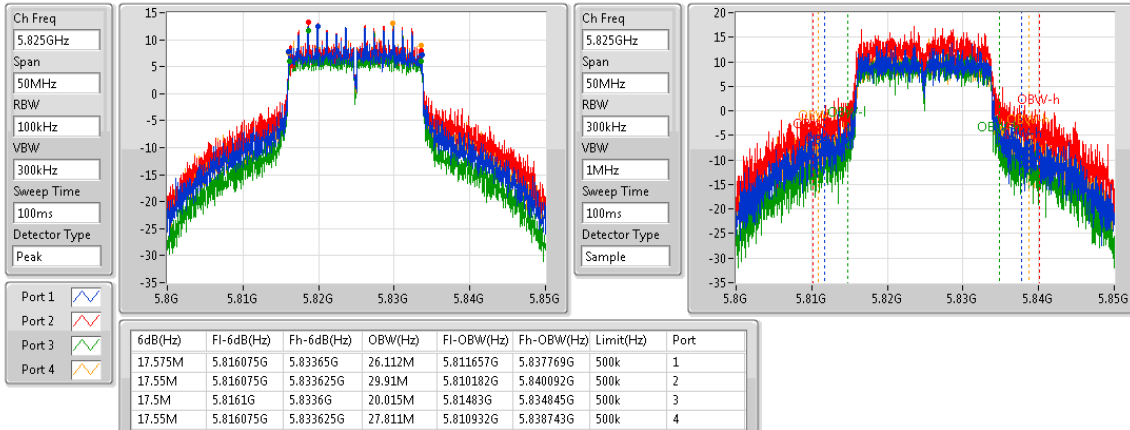
5785MHz



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

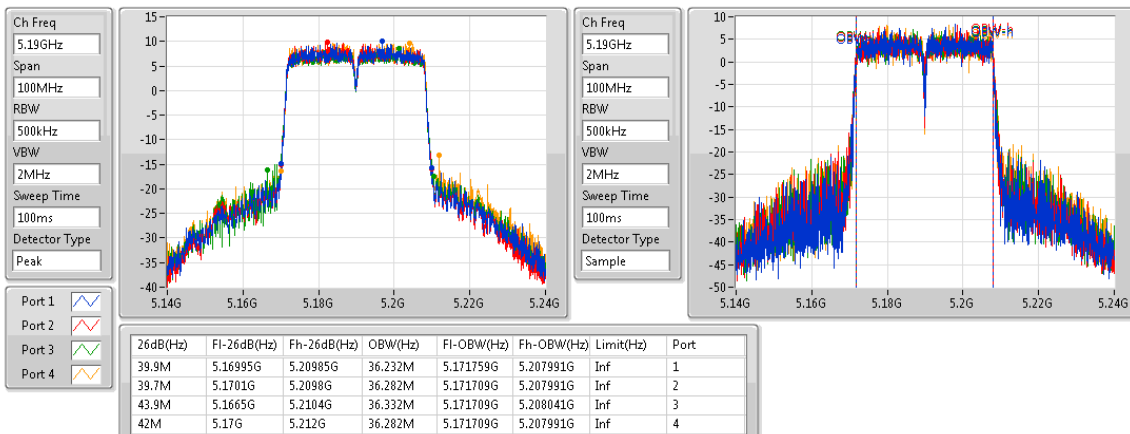
5825MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

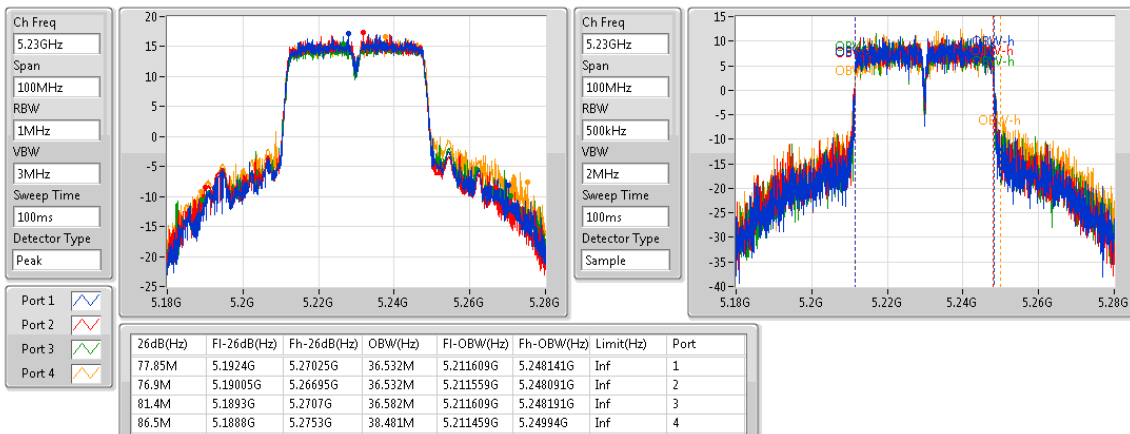
5190MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

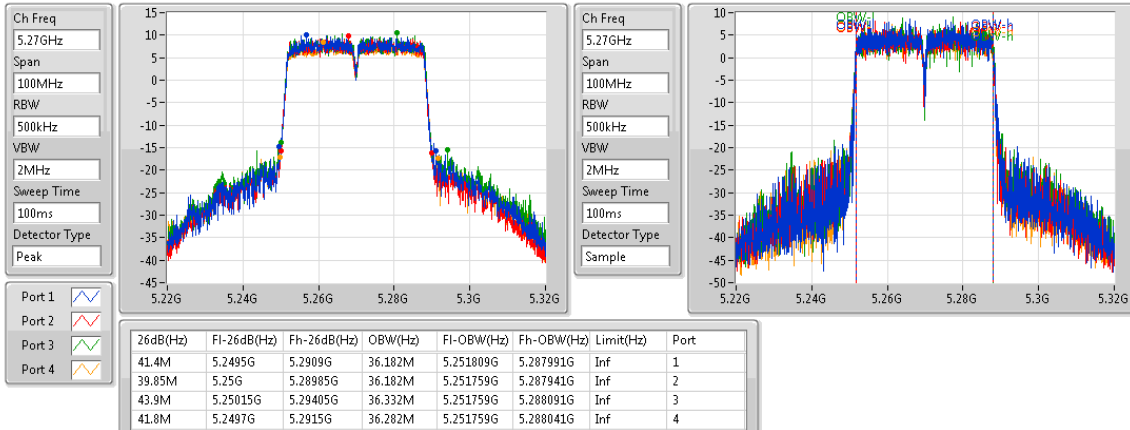
5230MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

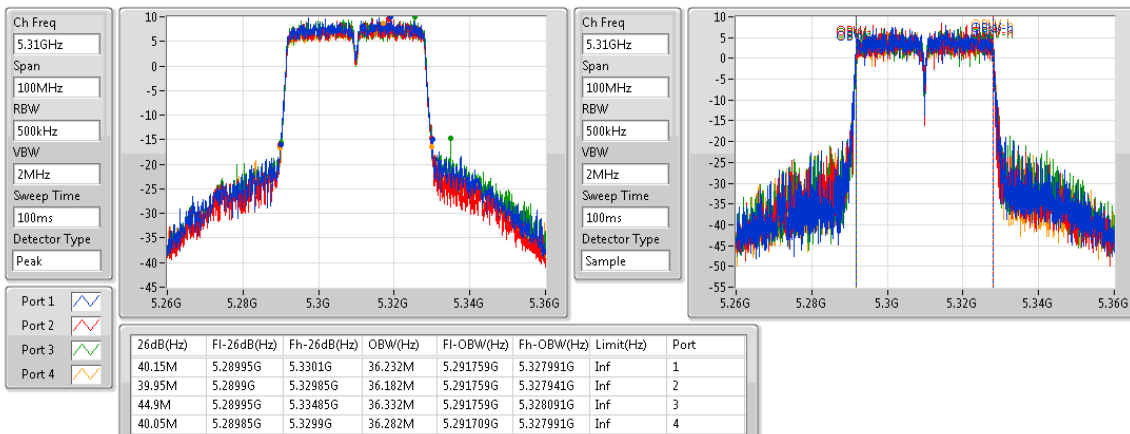
5270MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

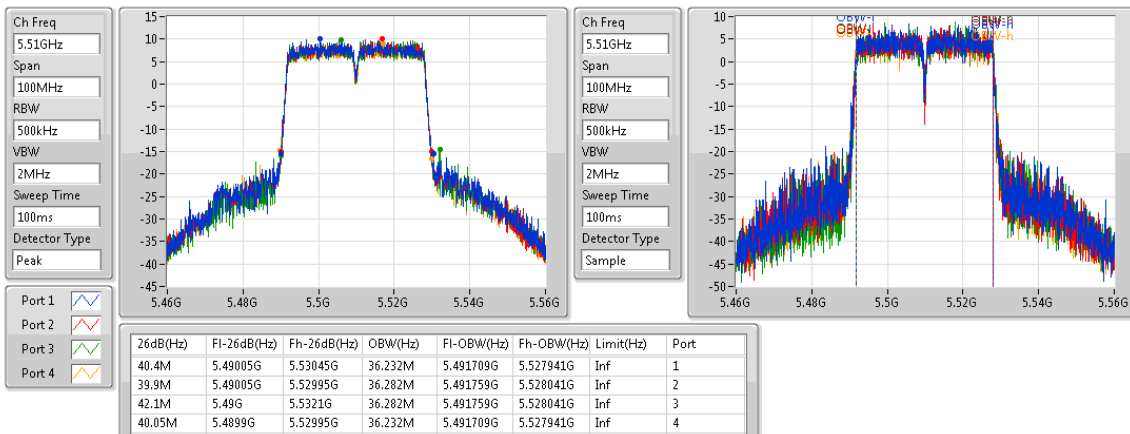
5310MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

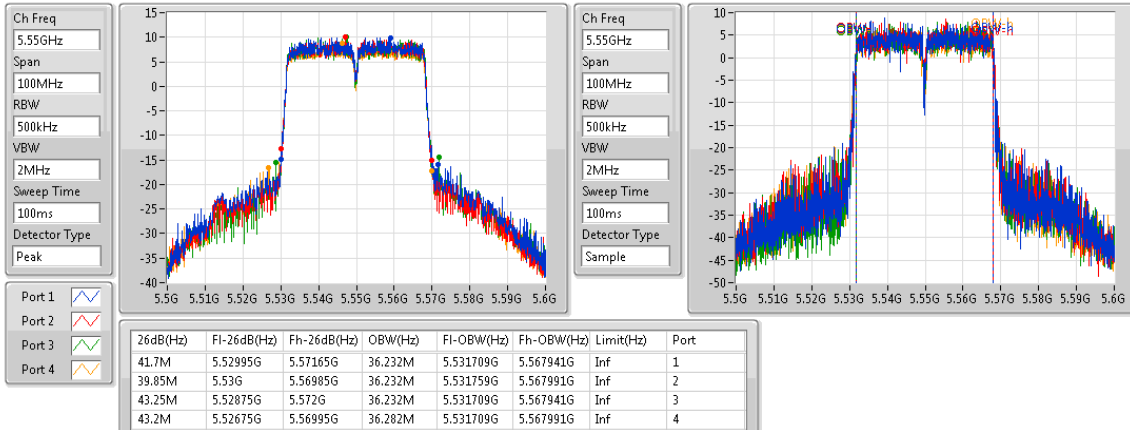
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802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

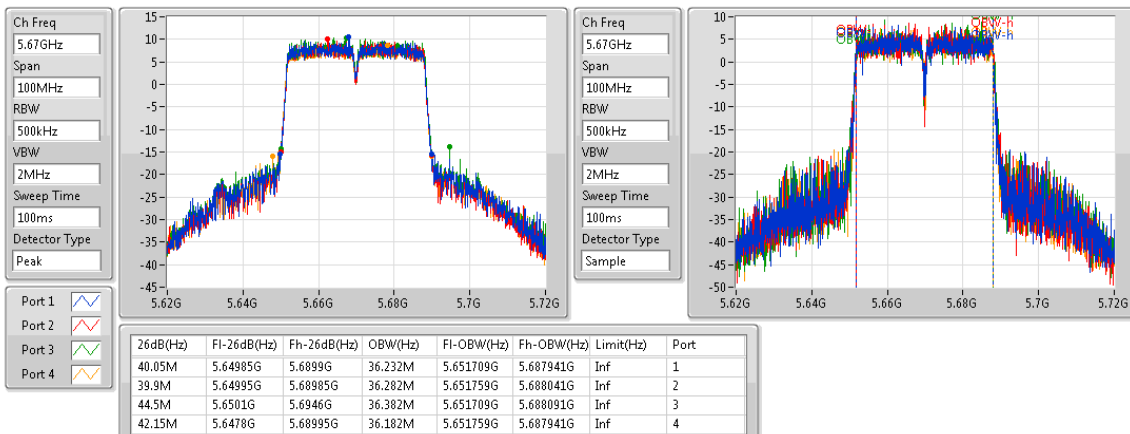
5550MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

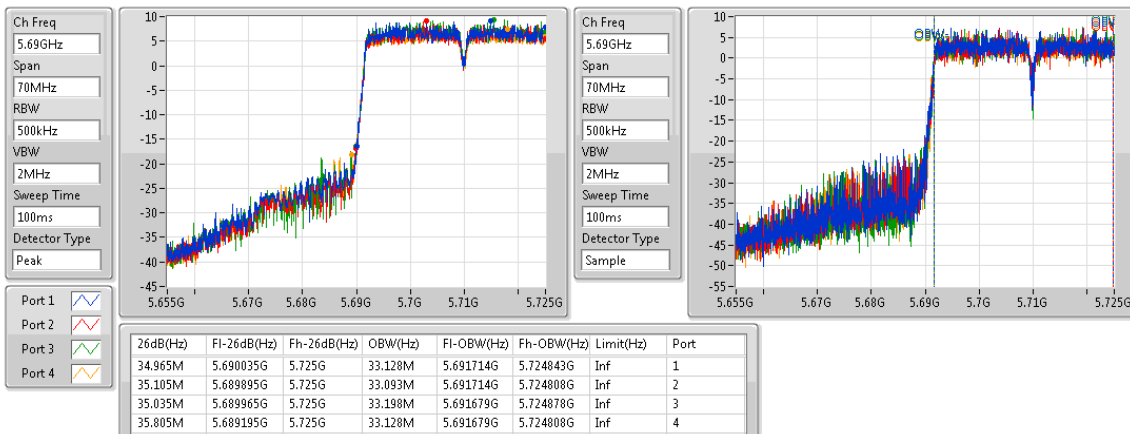
5670MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

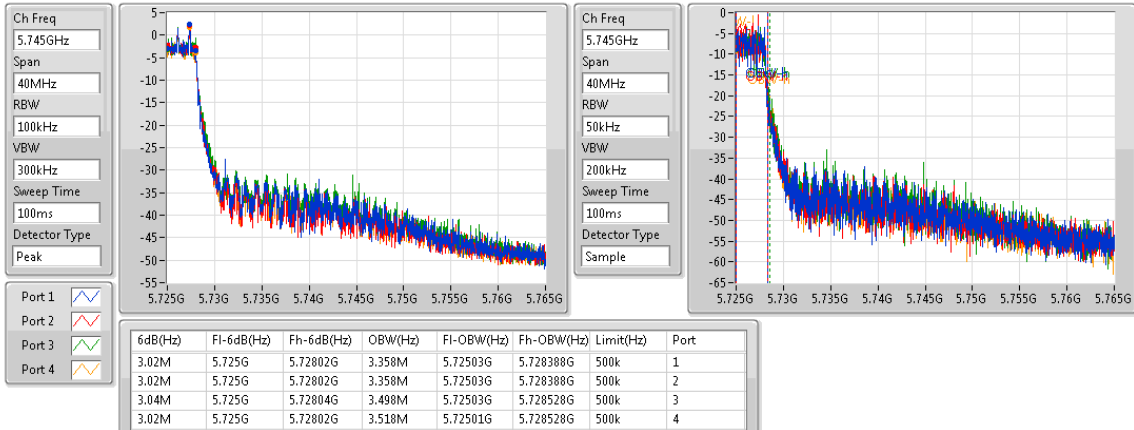
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

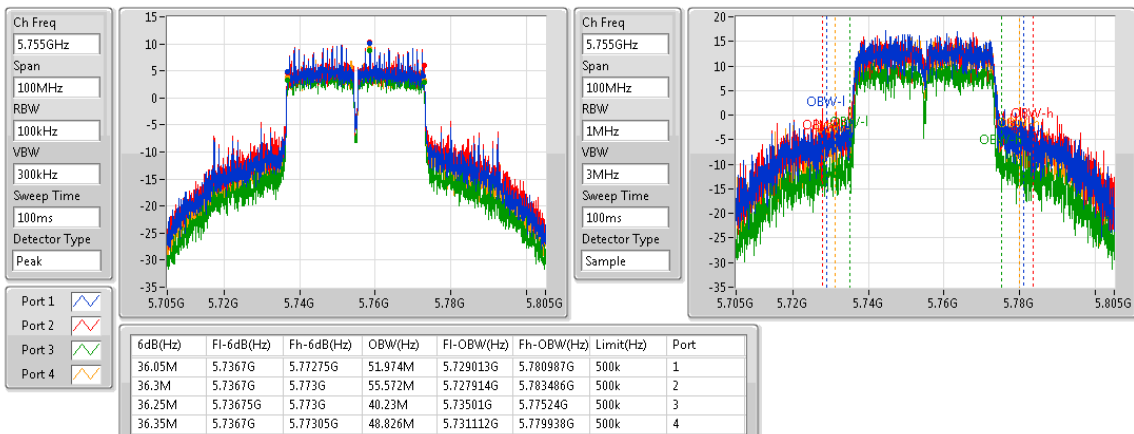
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

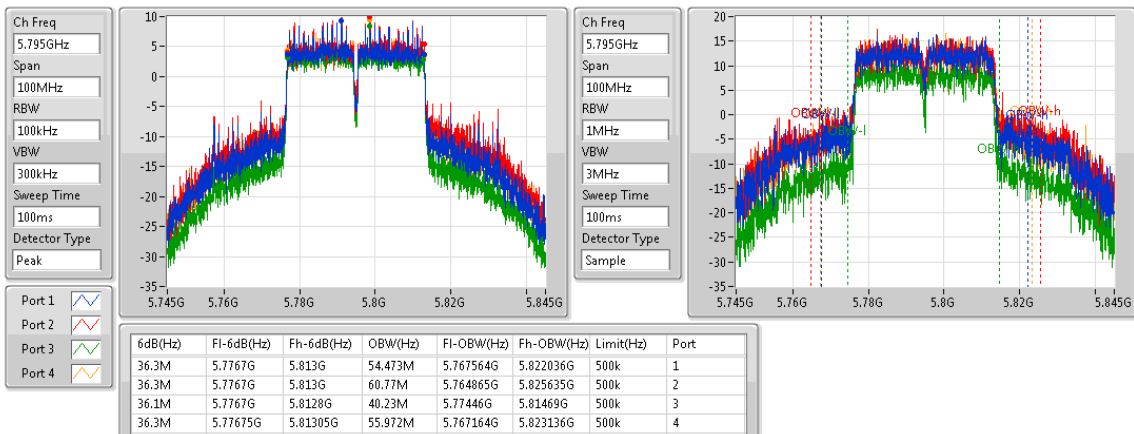
5755MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

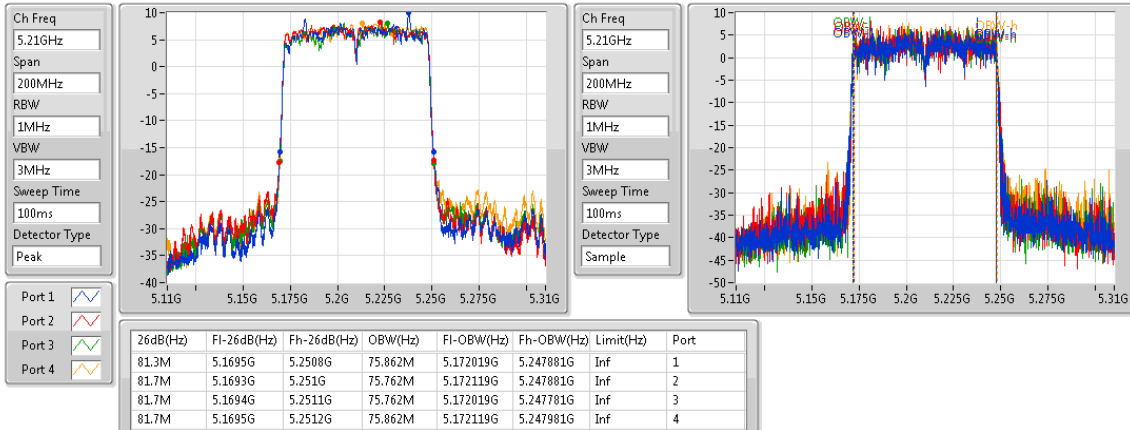
5795MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

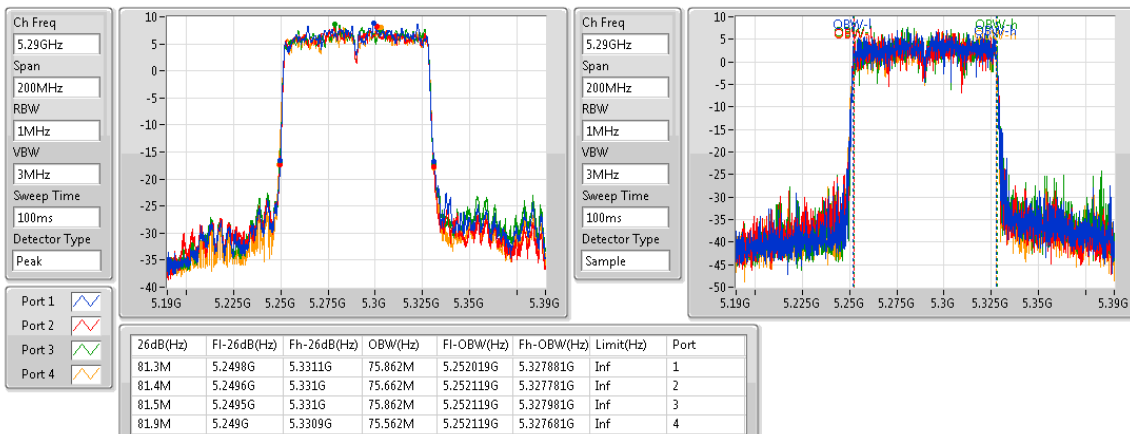
5210MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

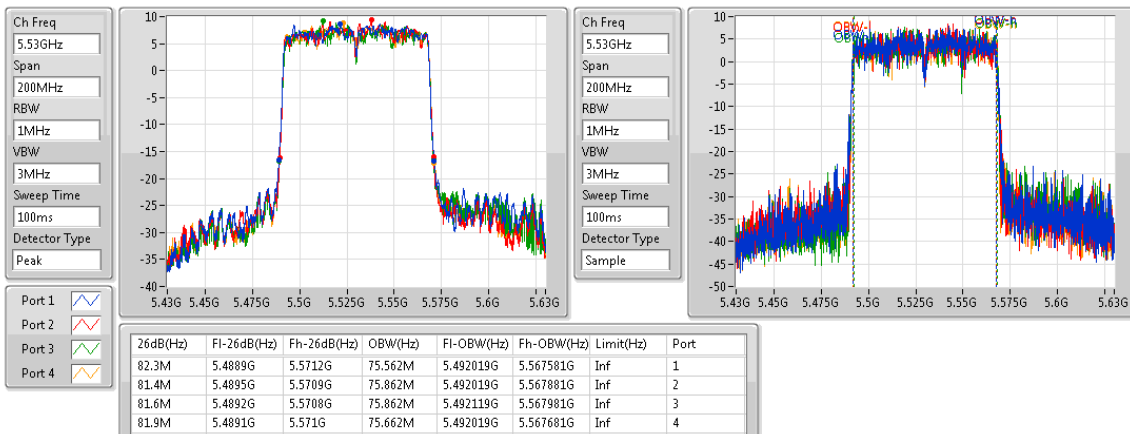
5290MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

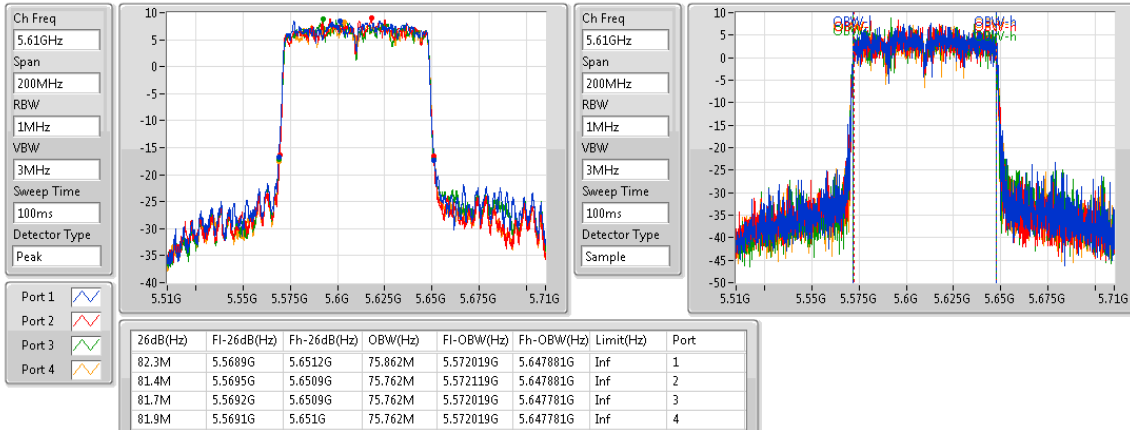
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802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

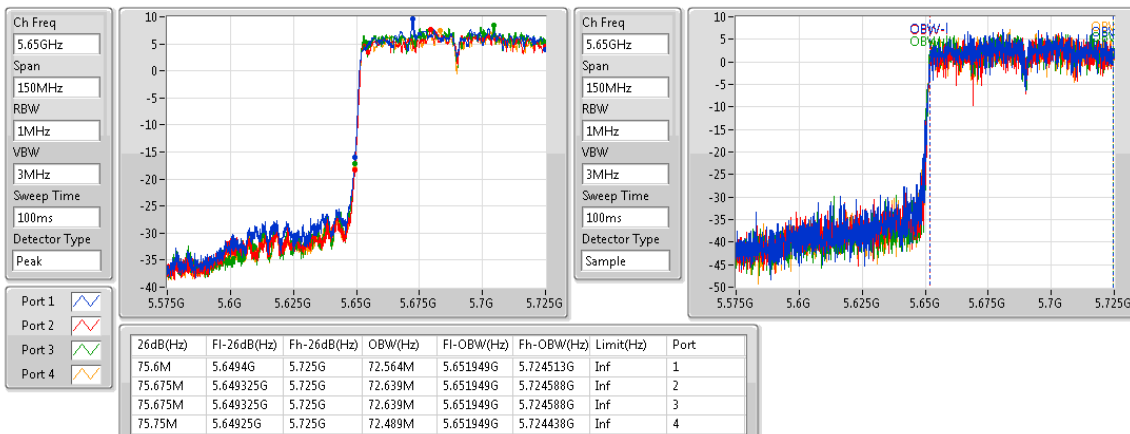
5610MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

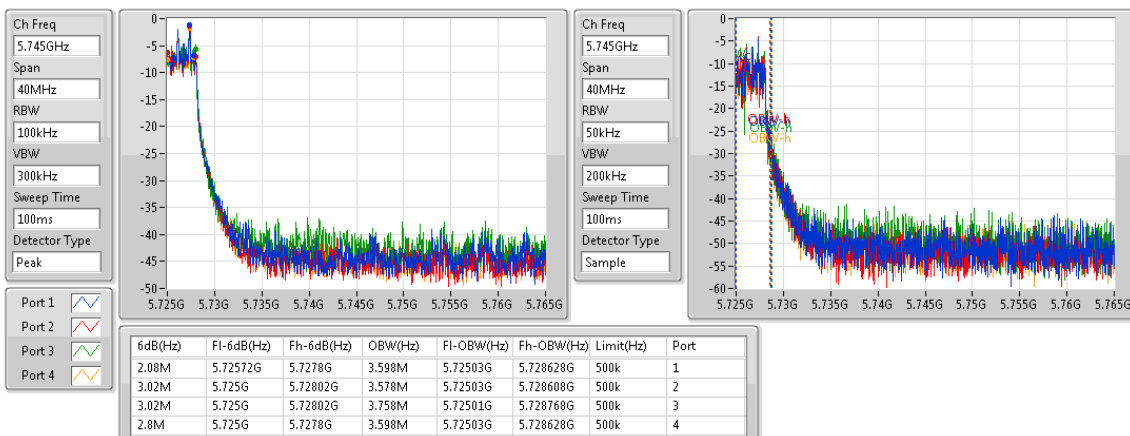
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

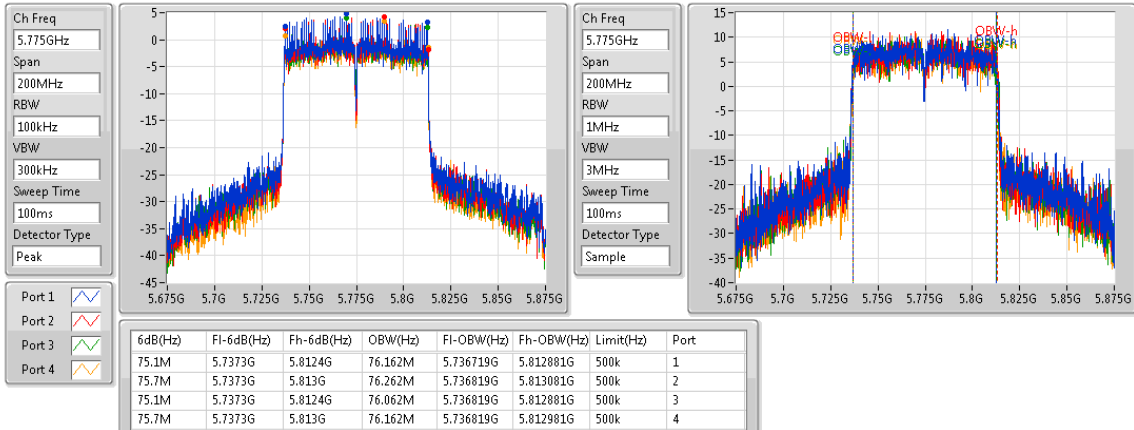
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

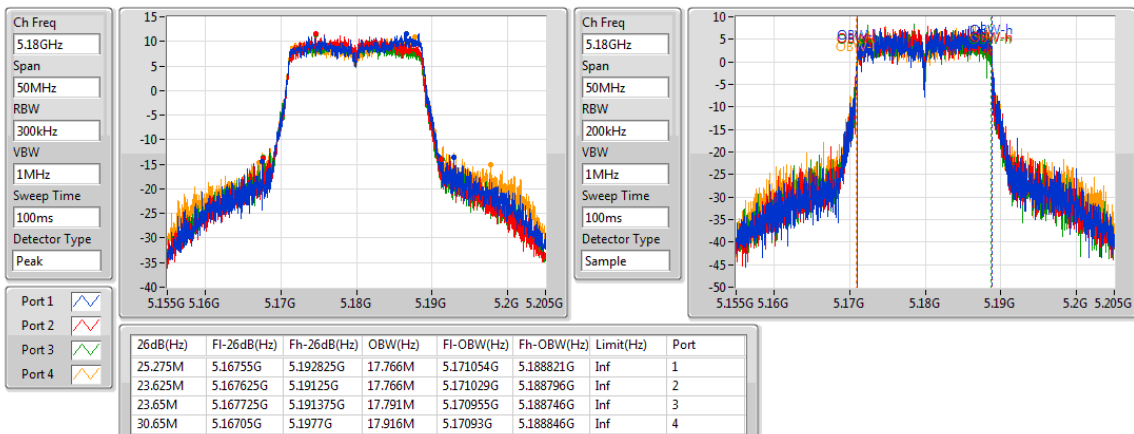
5775MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

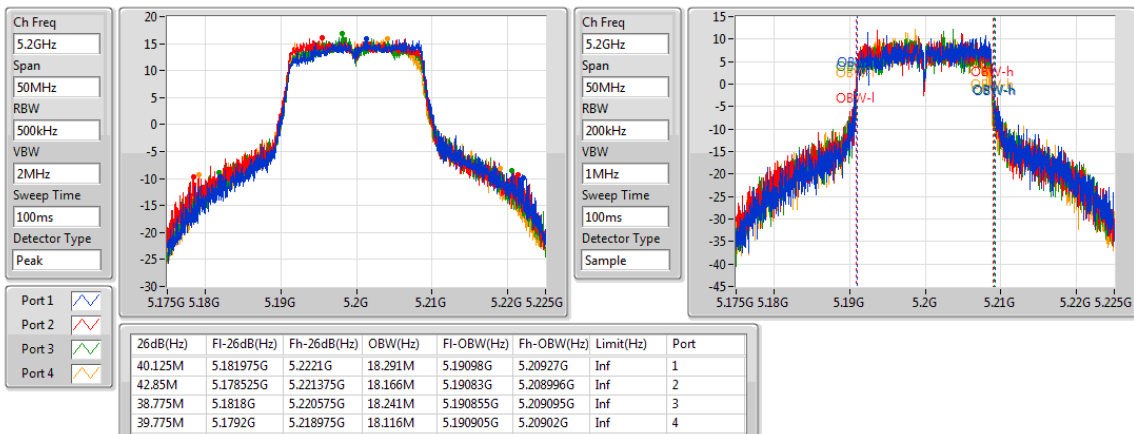
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

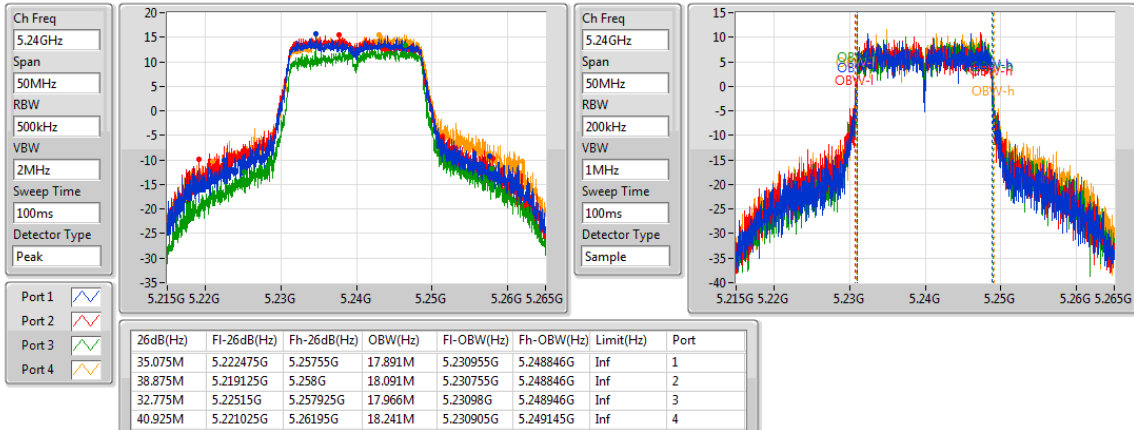
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802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

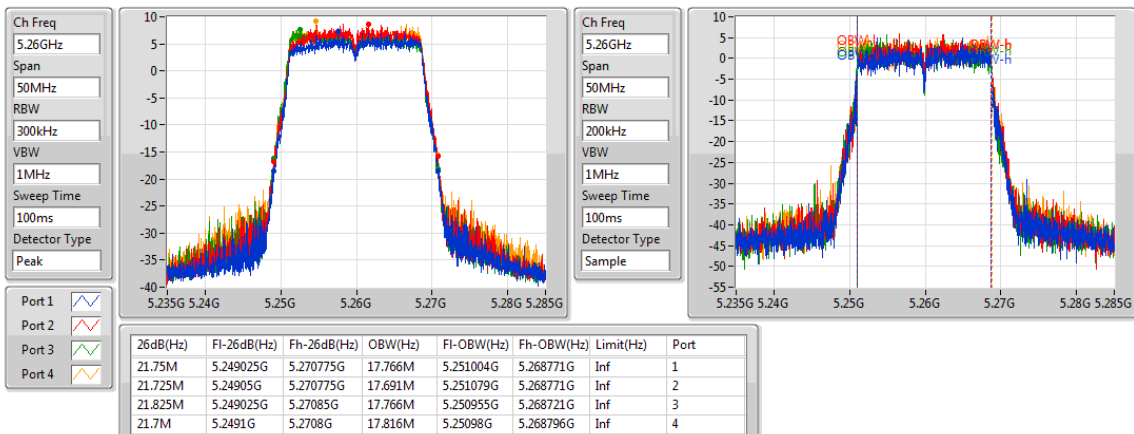
5240MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

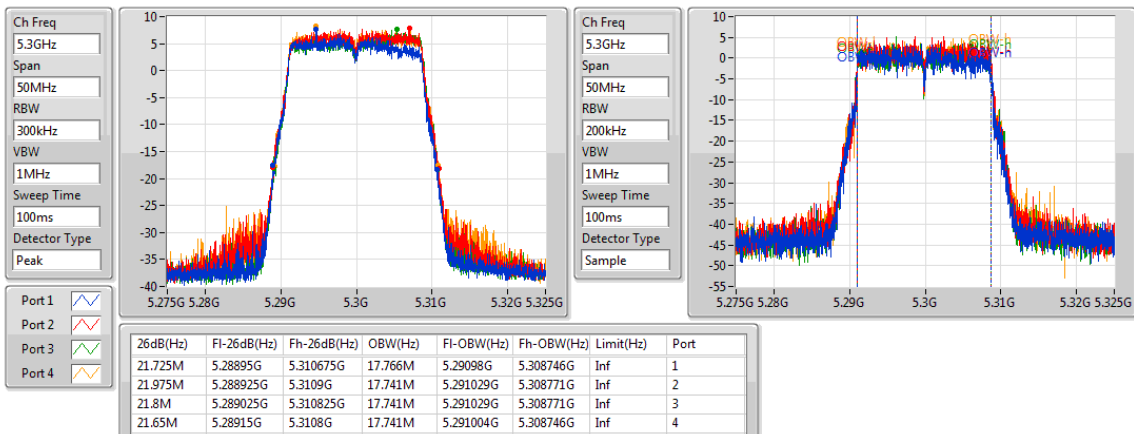
5260MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

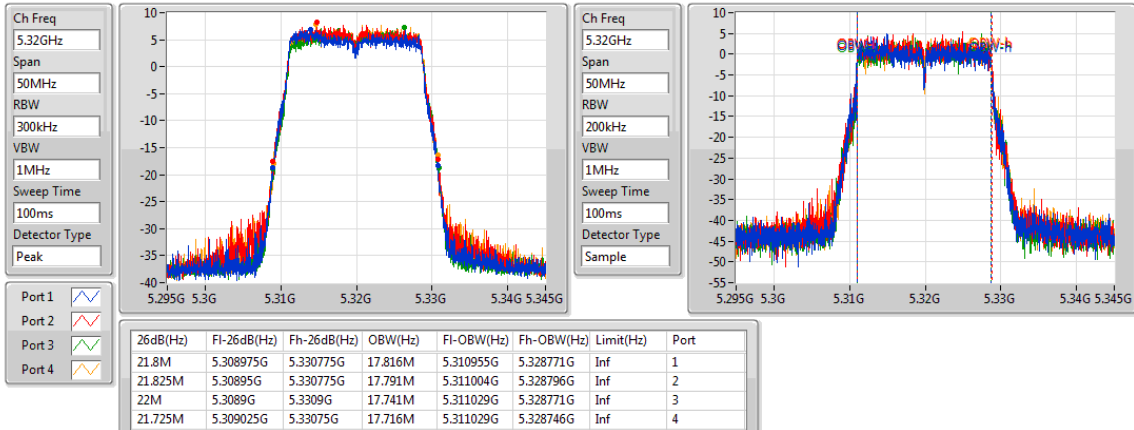
5300MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

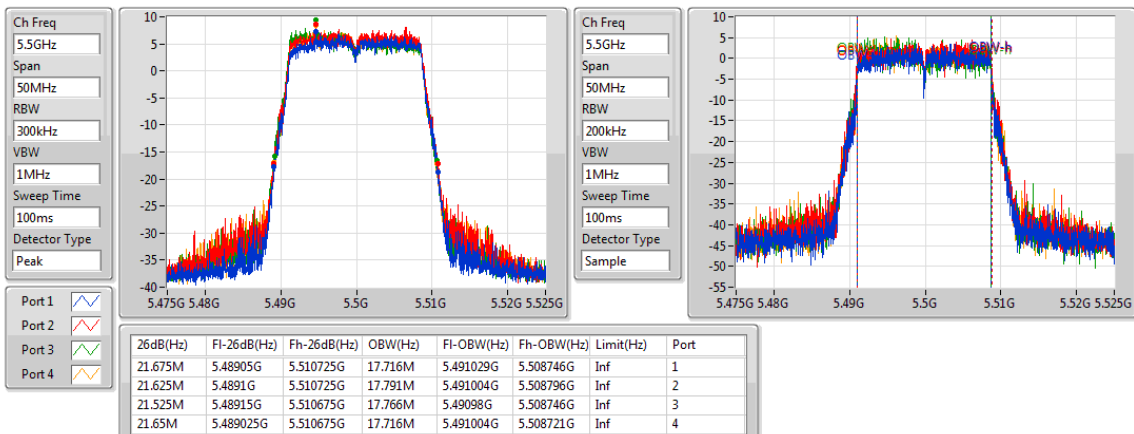
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802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

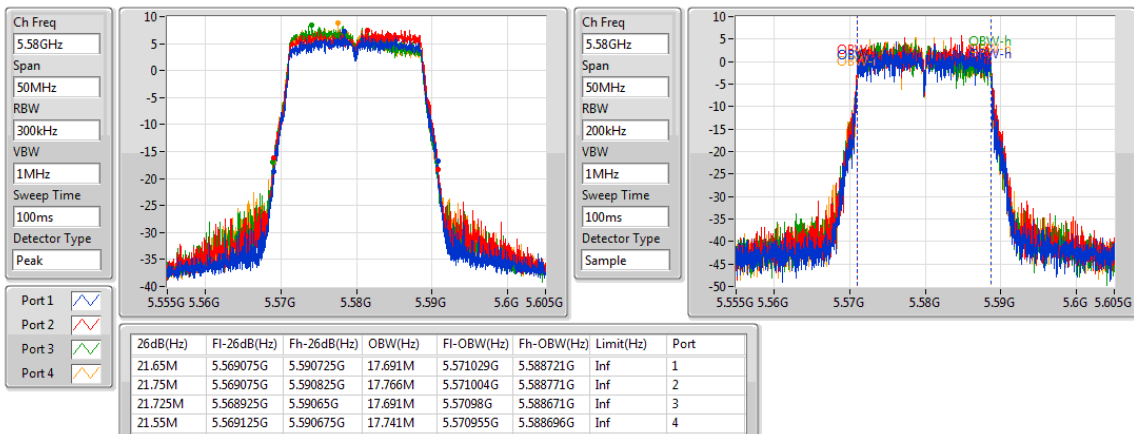
5500MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz





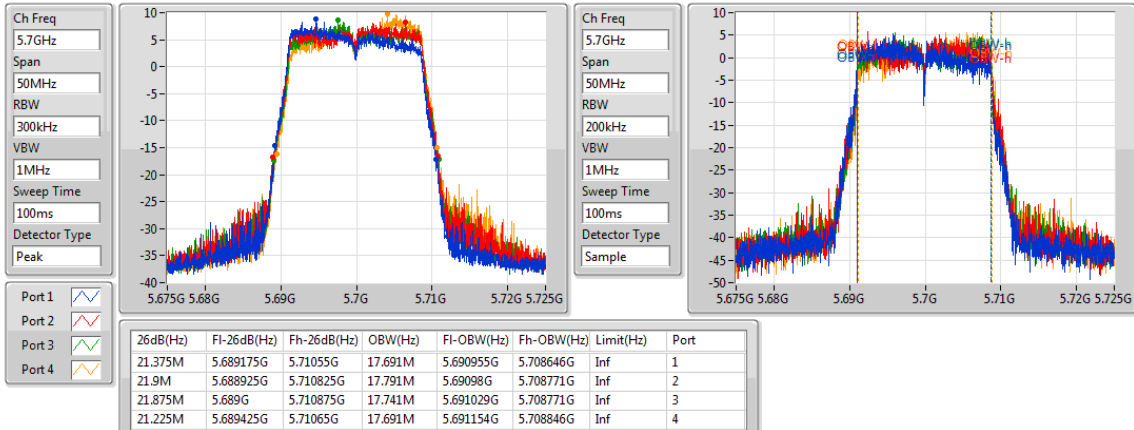
EBW Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix B.1

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

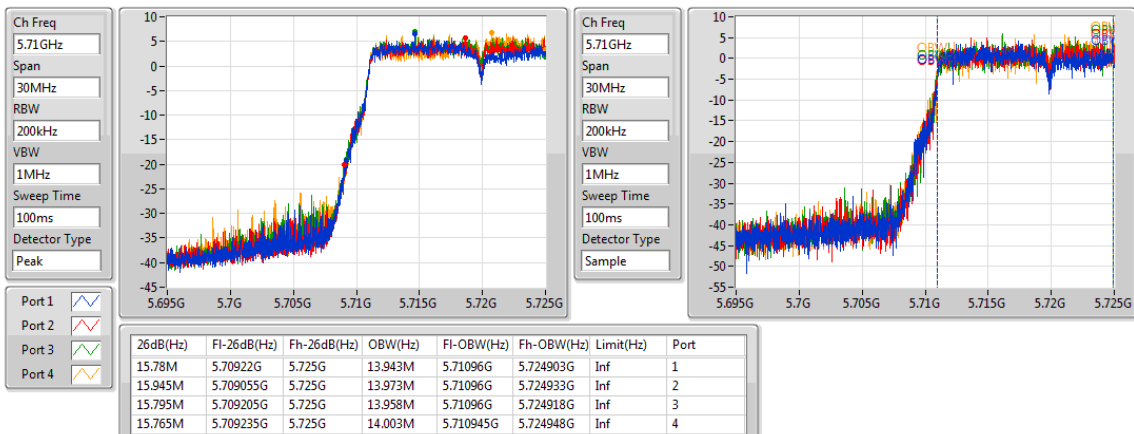
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802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

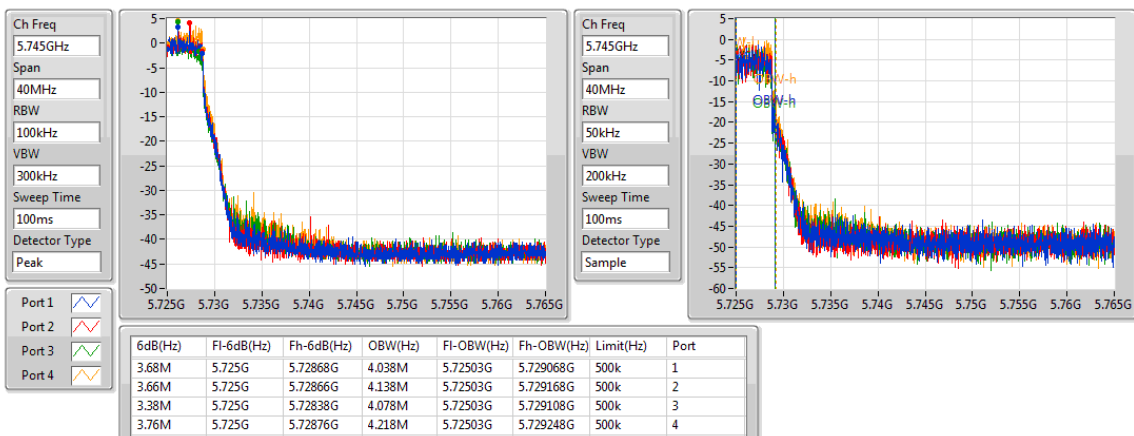
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

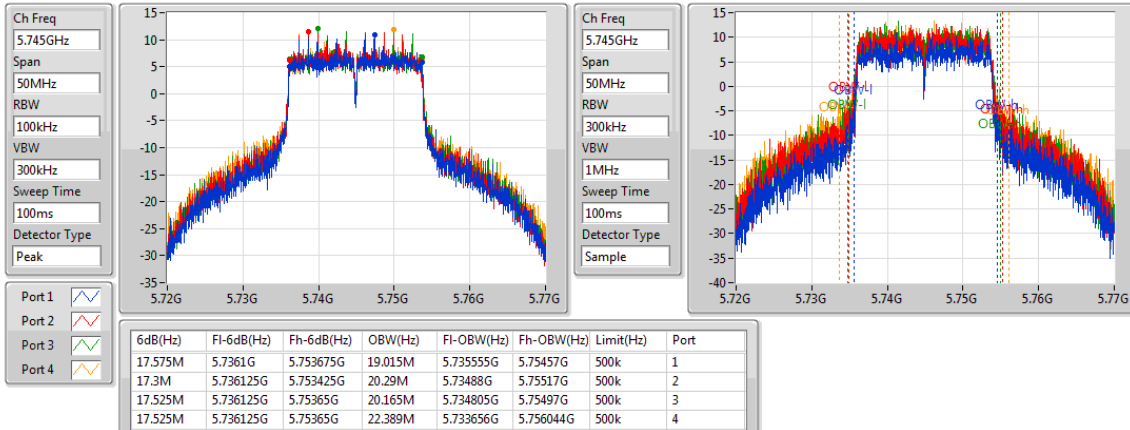
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

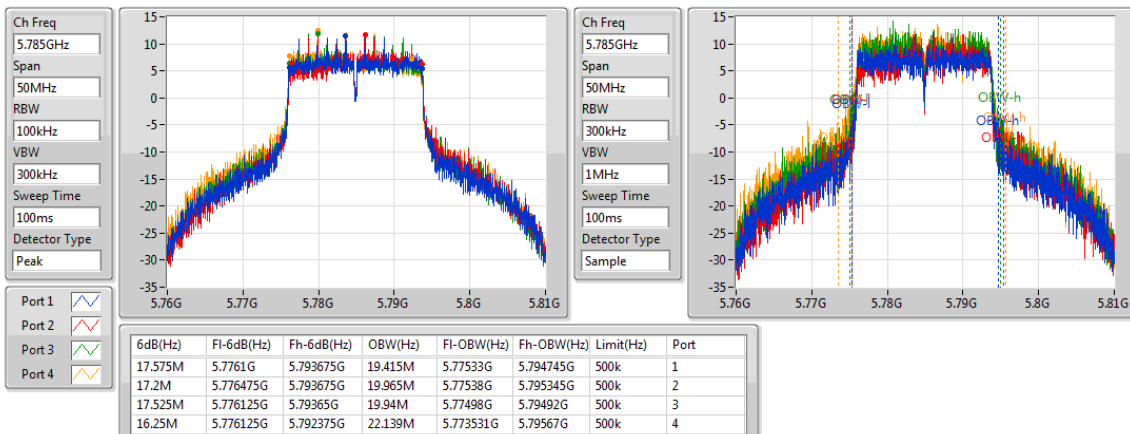
5745MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

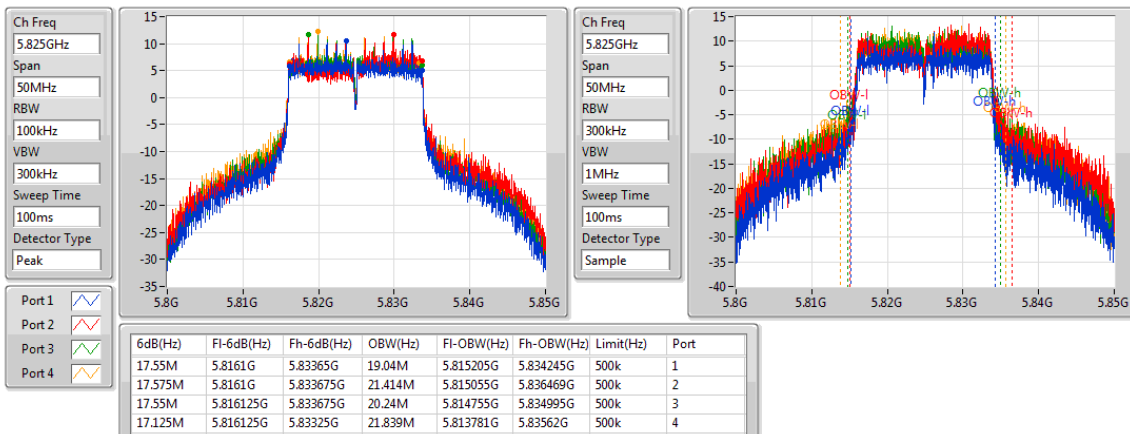
5785MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

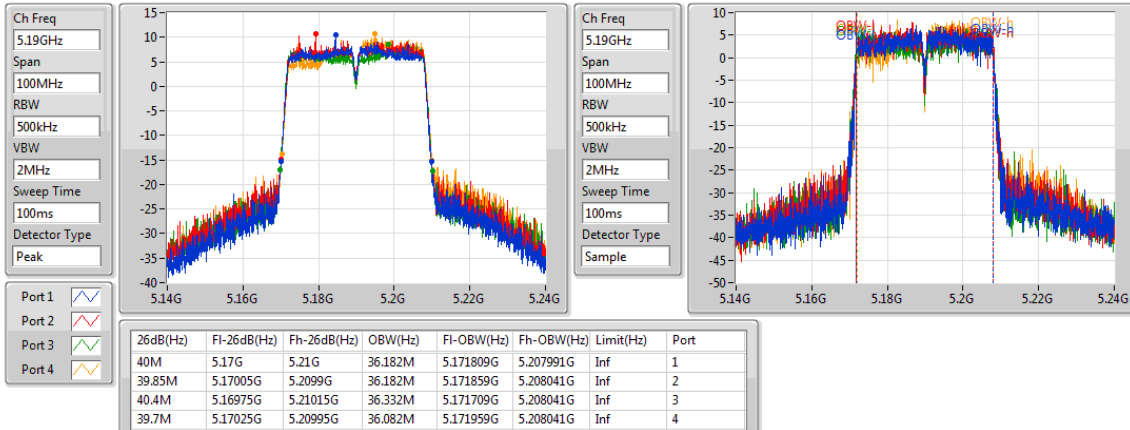
5825MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

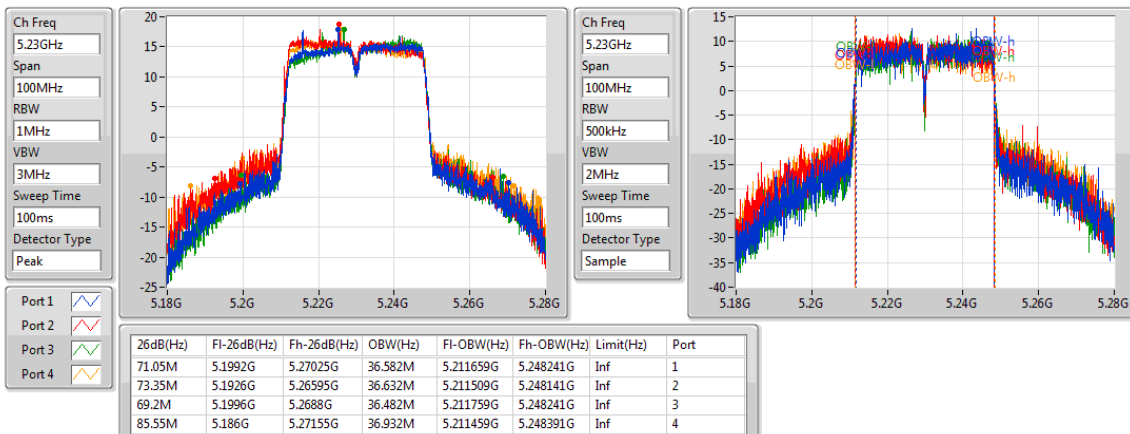
5190MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

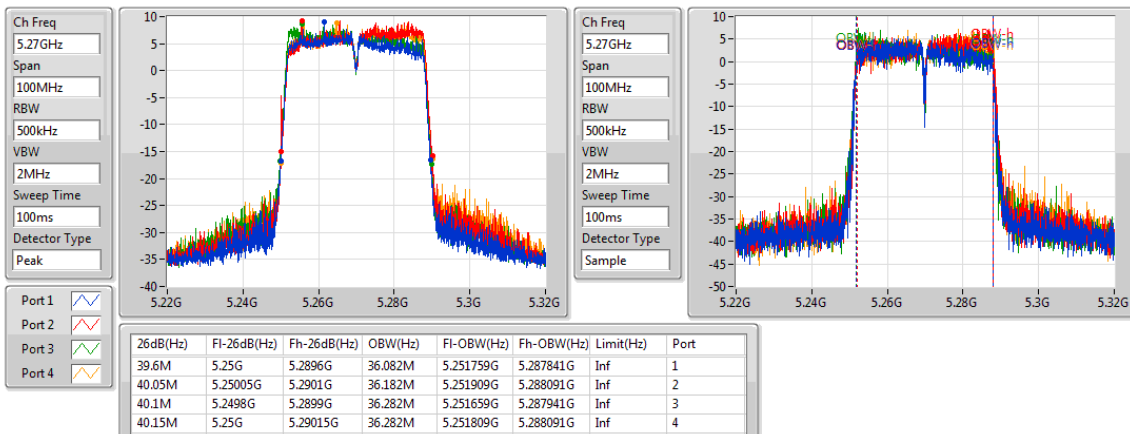
5230MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

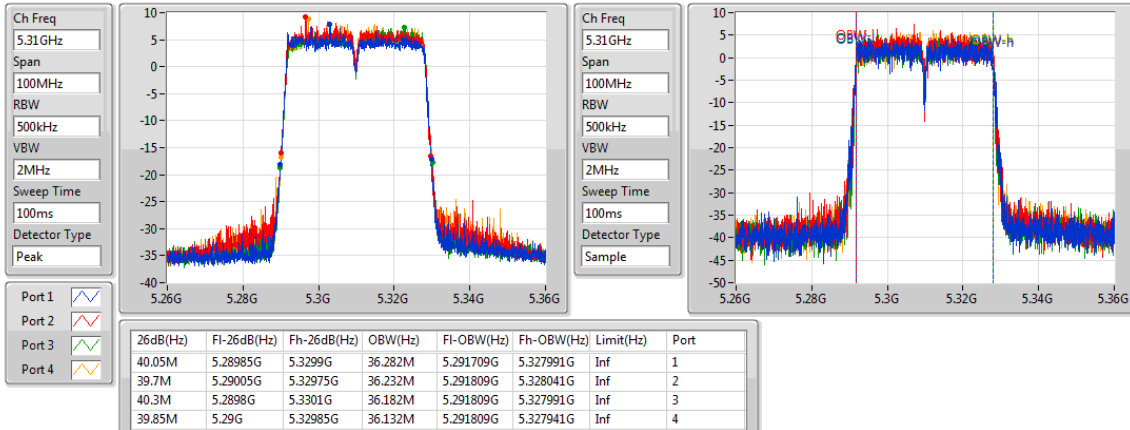
5270MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

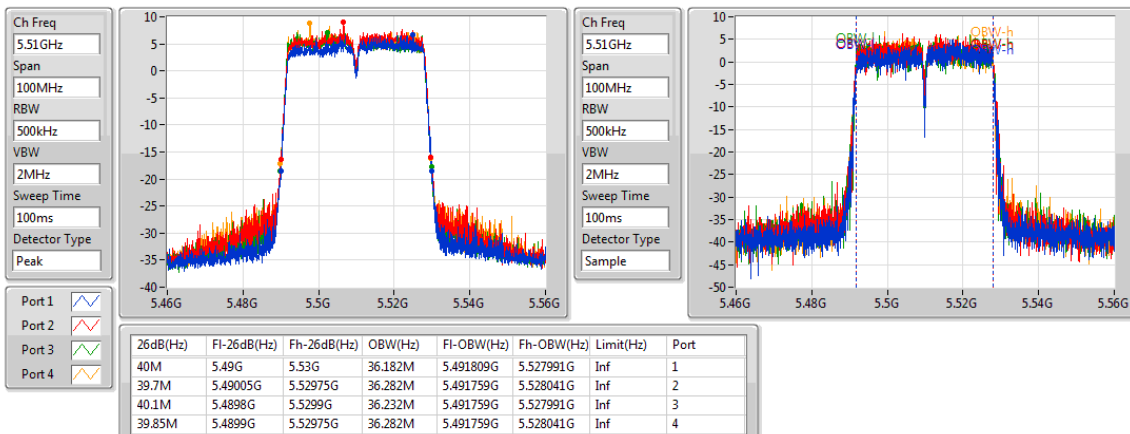
5310MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

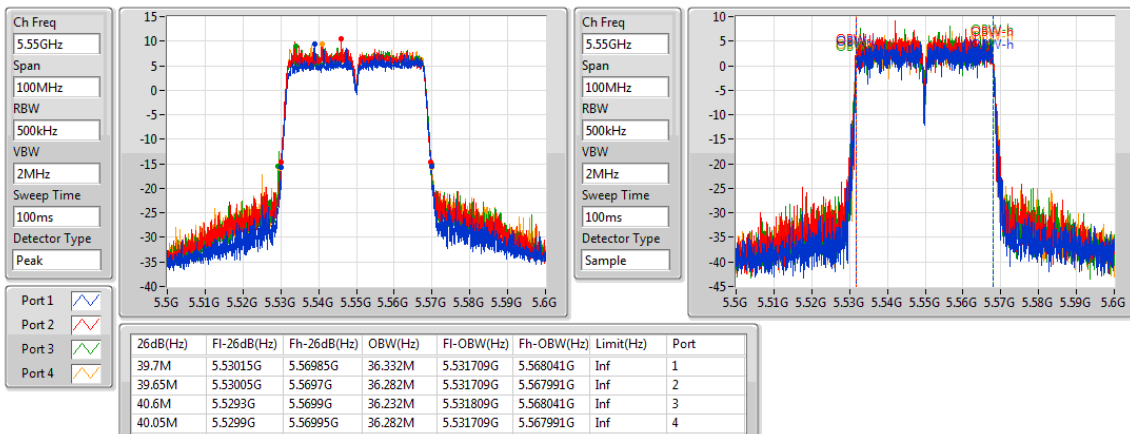
5510MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

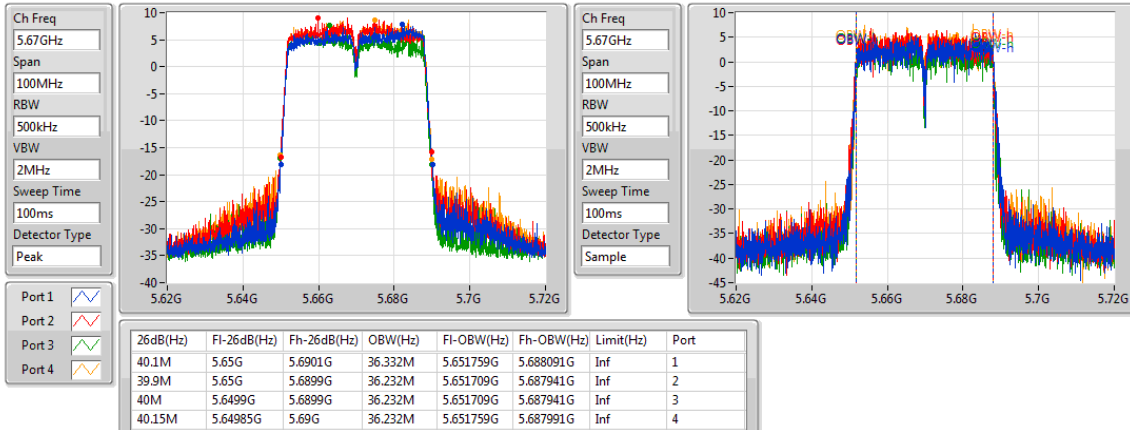
5550MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

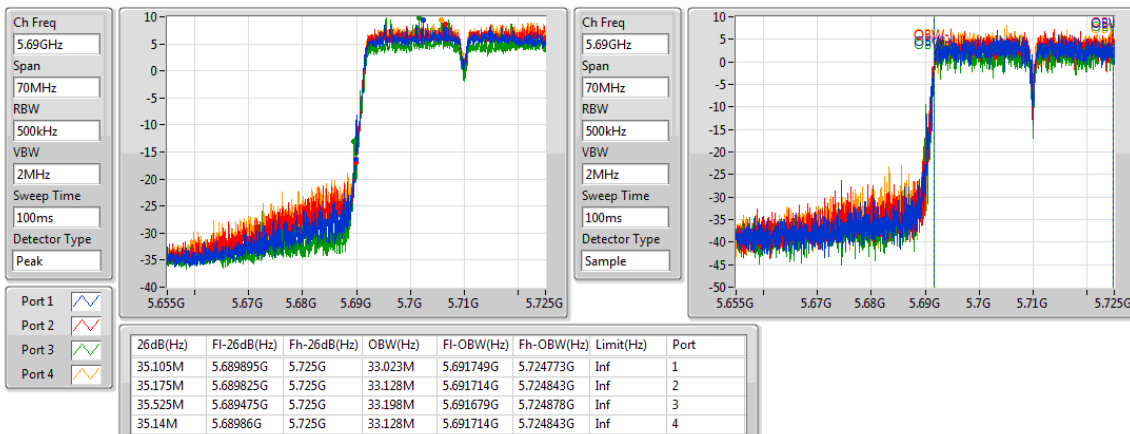
5670MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

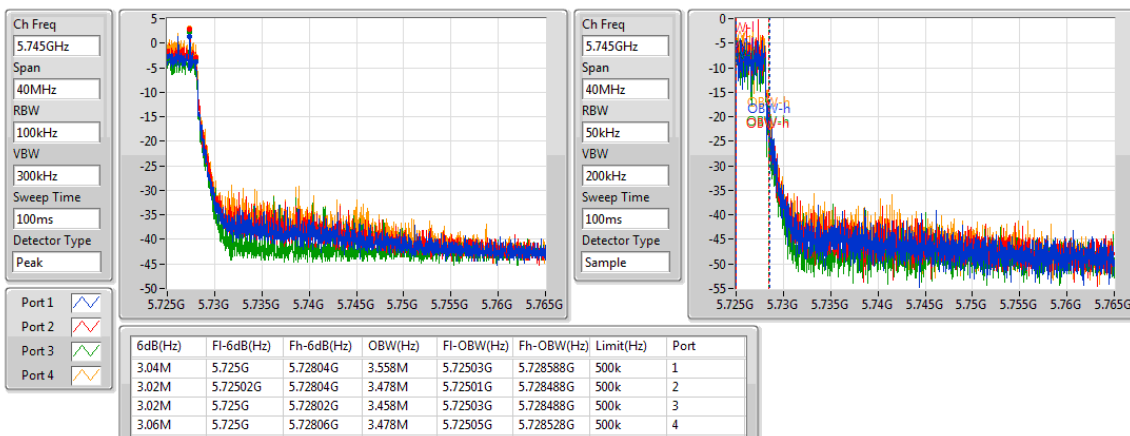
5710MHz Straddle 5.47-5.725GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

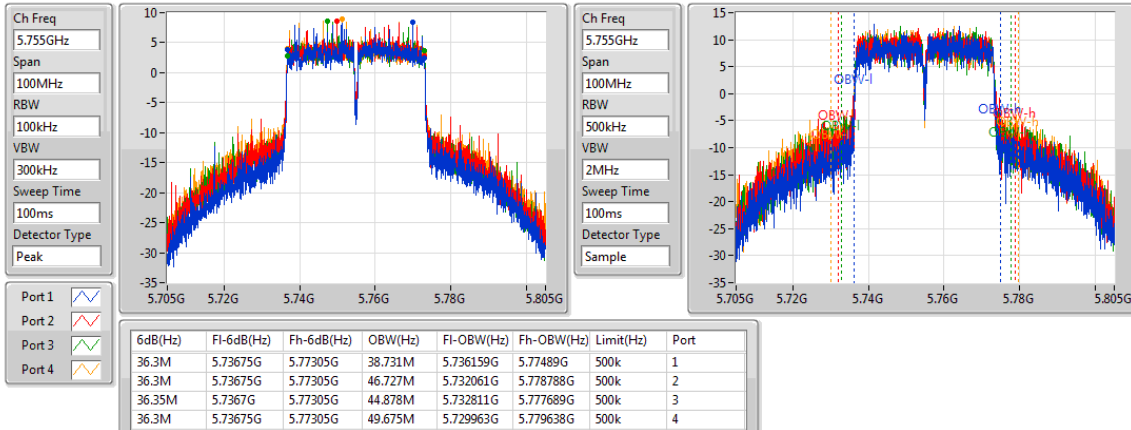
5710MHz Straddle 5.725-5.85GHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

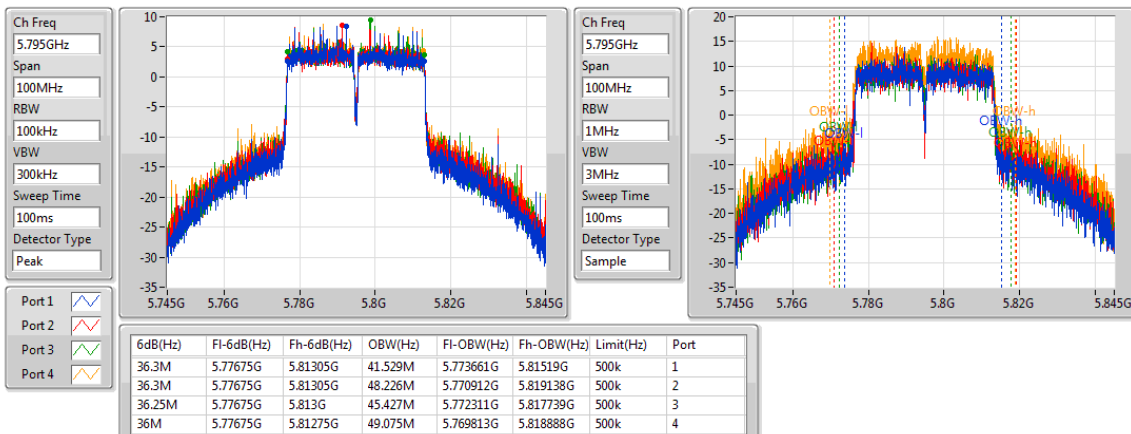
5755MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

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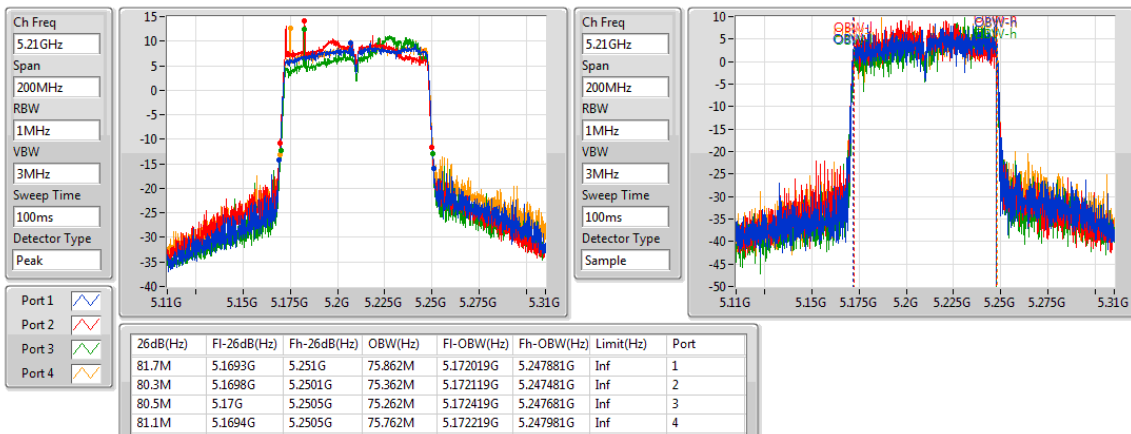
5795MHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

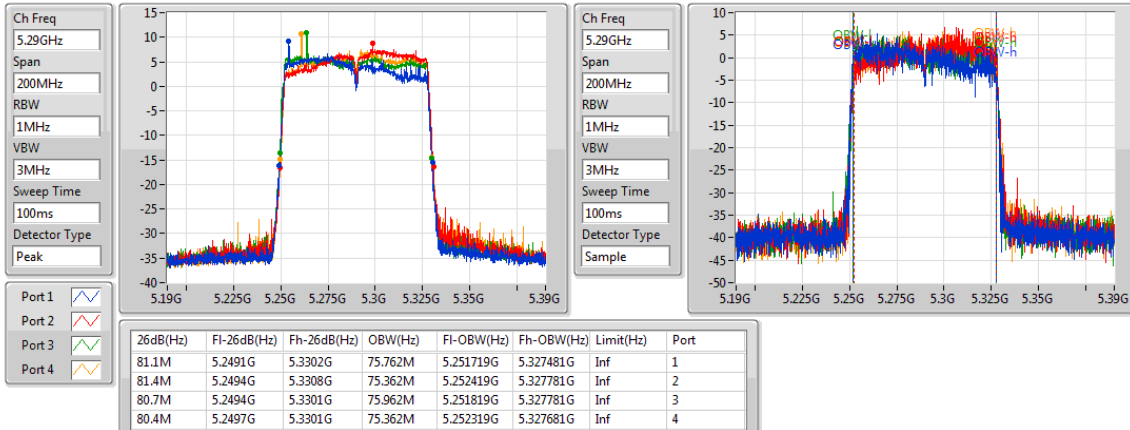
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802.11ac VHT80-BF_Nss1,(MCS0)_4TX

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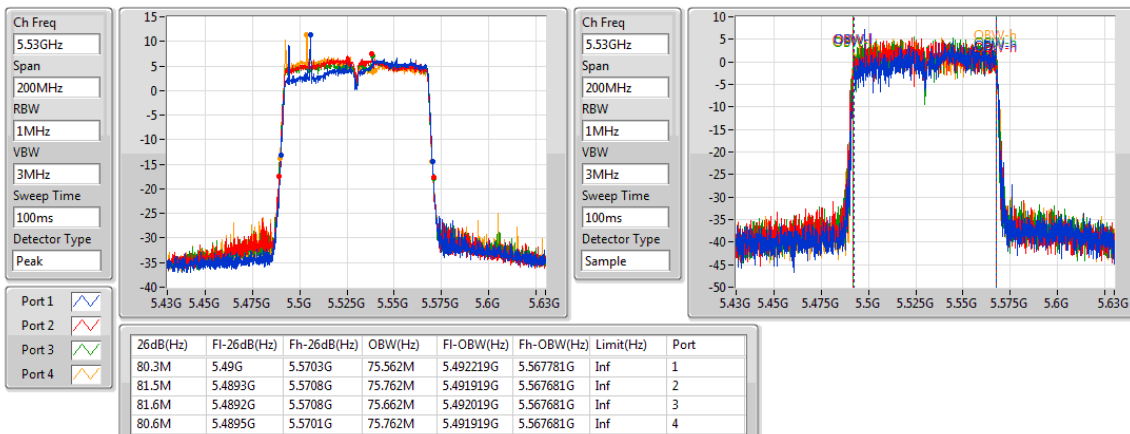
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802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

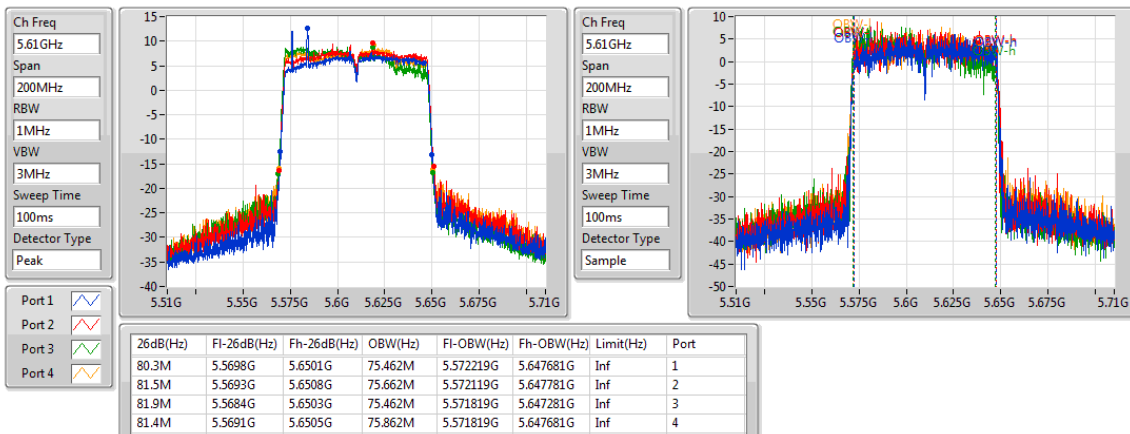
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802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

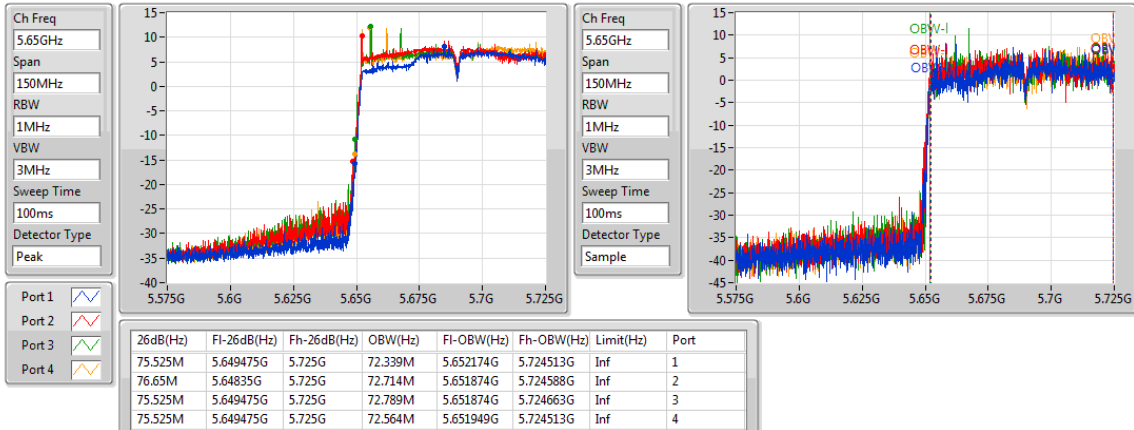
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802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

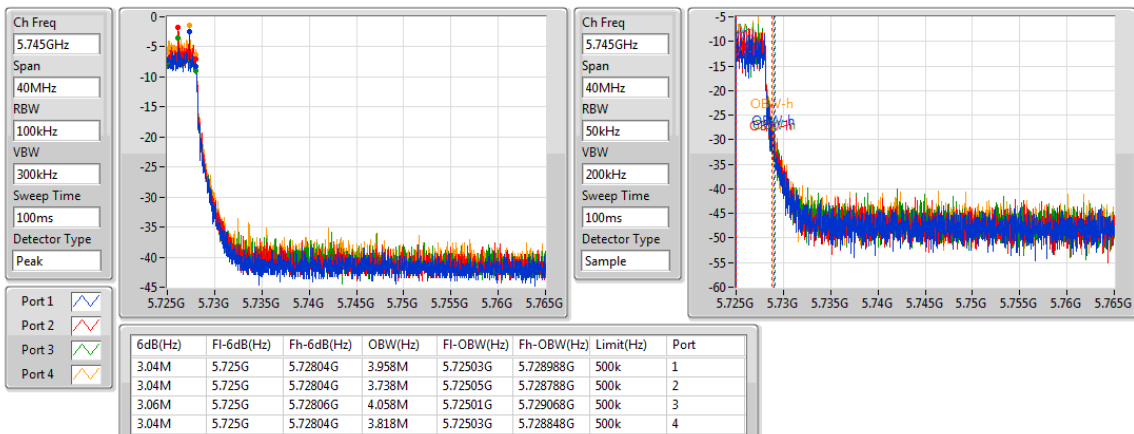
5690MHz Straddle 5.47-5.725GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

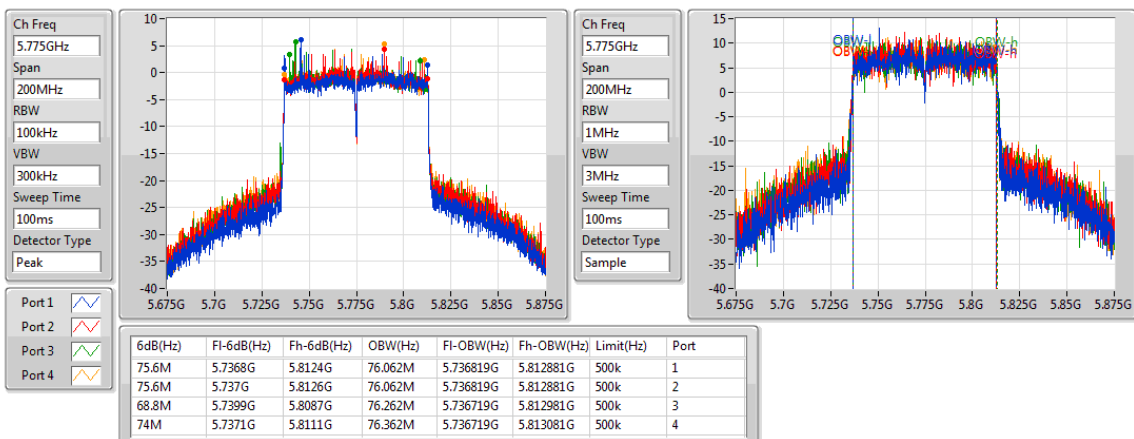
5690MHz Straddle 5.725-5.85GHz



802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-
5.15-5.25GHz	21.55M	16.617M	16M6D1D	21.225M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.8M	17.766M	17M8D1D	21.55M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	45.4M	36.332M	36M3D1D	39.7M	36.182M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	81.7M	75.862M	75M9D1D	81.3M	75.762M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	21.9M	17.816M	17M8D1D	21.725M	17.716M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	40.1M	36.282M	36M3D1D	39.95M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
5.15-5.25GHz	82M	75.762M	75M8D1D	80.6M	75.462M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

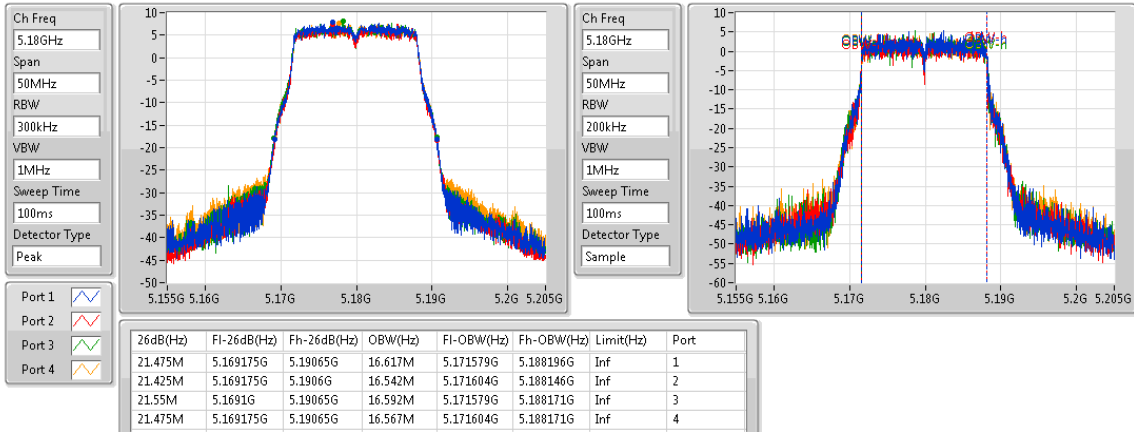
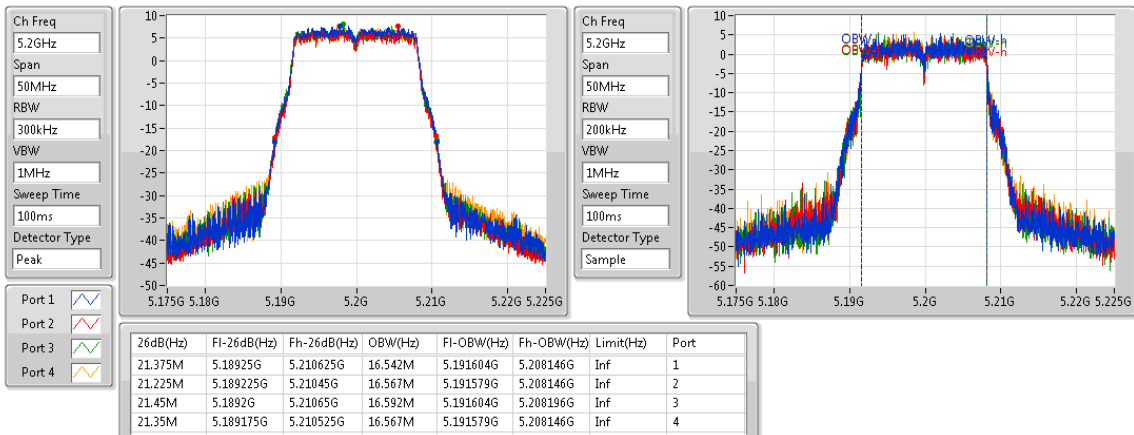
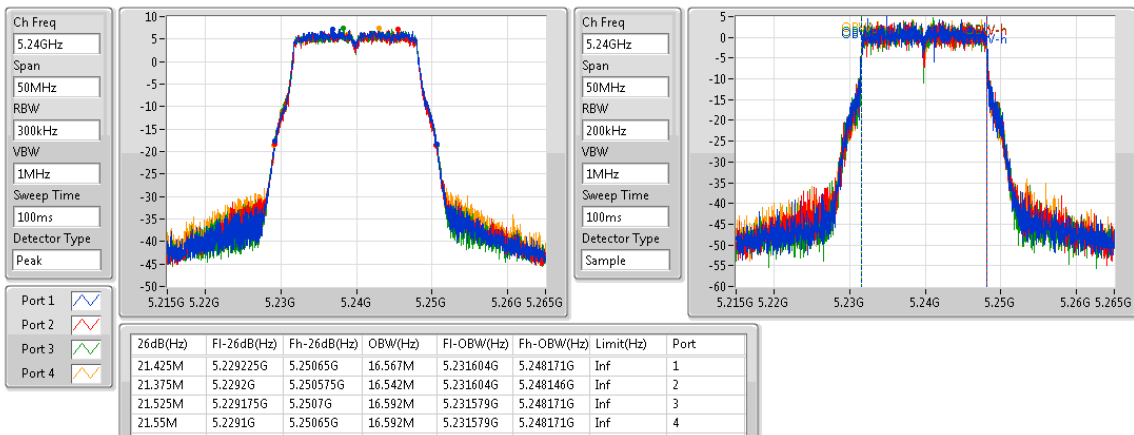
Min-OBW = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.475M	16.617M	21.425M	16.542M	21.55M	16.592M	21.475M	16.567M
5200MHz	Pass	Inf	21.375M	16.542M	21.225M	16.567M	21.45M	16.592M	21.35M	16.567M
5240MHz	Pass	Inf	21.425M	16.567M	21.375M	16.542M	21.525M	16.592M	21.55M	16.592M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.625M	17.716M	21.65M	17.716M	21.8M	17.691M	21.725M	17.741M
5200MHz	Pass	Inf	21.7M	17.716M	21.55M	17.716M	21.75M	17.741M	21.625M	17.716M
5240MHz	Pass	Inf	21.65M	17.716M	21.725M	17.716M	21.775M	17.766M	21.8M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.9M	36.232M	39.7M	36.282M	43.9M	36.332M	42M	36.282M
5230MHz	Pass	Inf	40M	36.232M	39.75M	36.182M	45.4M	36.282M	40M	36.332M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.3M	75.862M	81.7M	75.762M	81.7M	75.762M	81.7M	75.862M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.825M	17.791M	21.825M	17.791M	21.725M	17.766M	21.825M	17.791M
5200MHz	Pass	Inf	21.775M	17.741M	21.825M	17.766M	21.725M	17.816M	21.725M	17.716M
5240MHz	Pass	Inf	21.775M	17.716M	21.725M	17.791M	21.9M	17.766M	21.85M	17.766M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.95M	36.232M	40.1M	36.232M	40M	36.282M	40M	36.282M
5230MHz	Pass	Inf	40.05M	36.182M	40.05M	36.232M	40M	36.182M	40.05M	36.232M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.6M	75.562M	81.7M	75.662M	82M	75.762M	80.6M	75.462M

Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

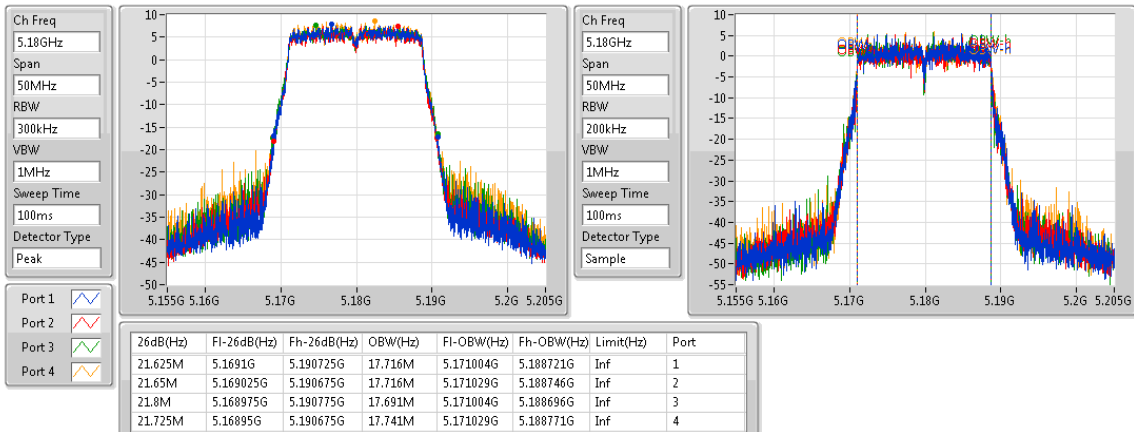
Port X-OBW = Port X 99% occupied bandwidth;

802.11a (6Mbps)_4TX
EBW
5180MHz

802.11a (6Mbps)_4TX
EBW
5200MHz

802.11a (6Mbps)_4TX
EBW
5240MHz


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

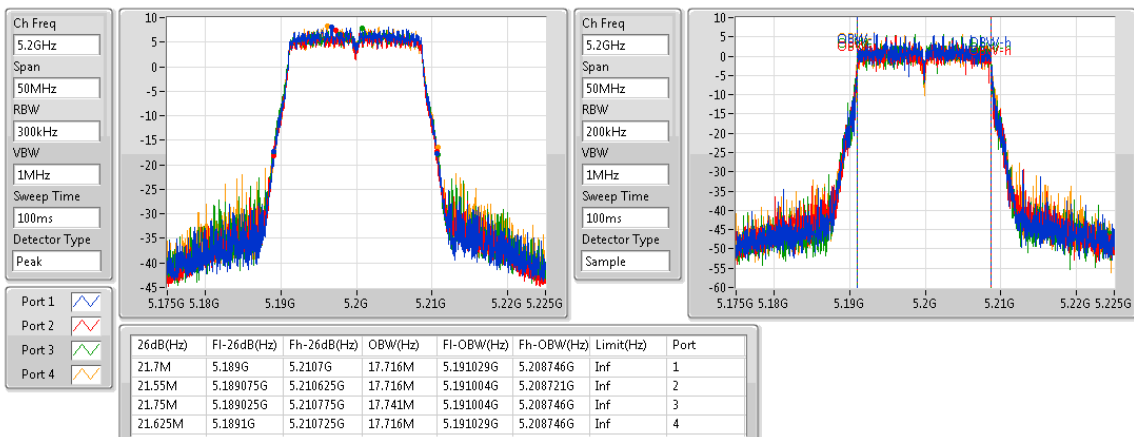
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802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

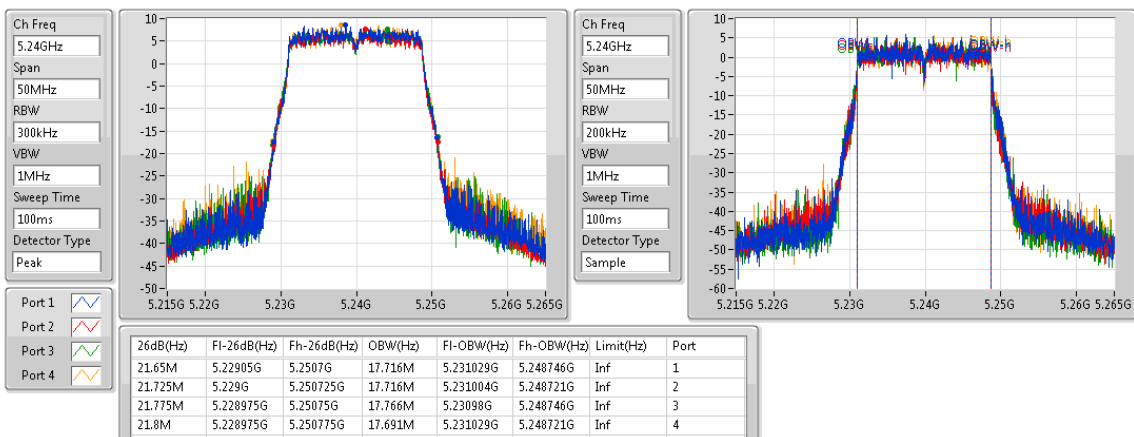
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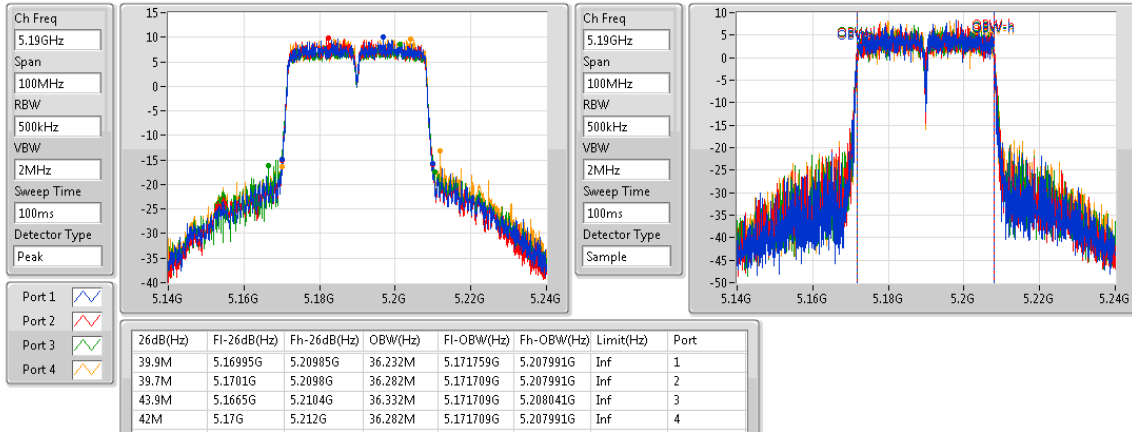
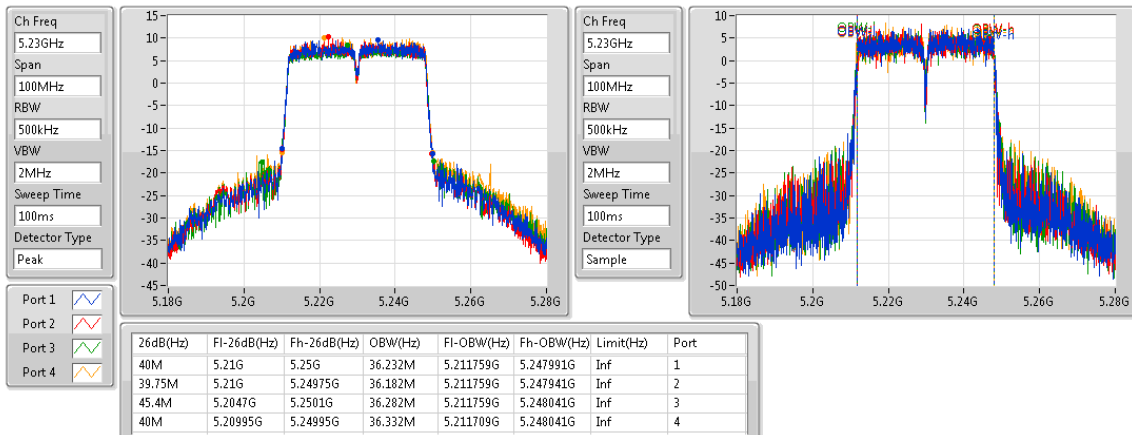
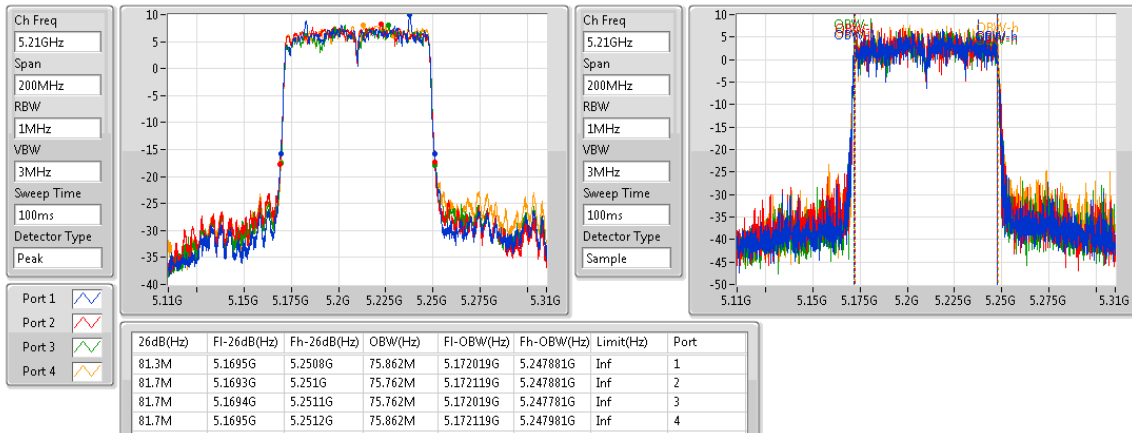


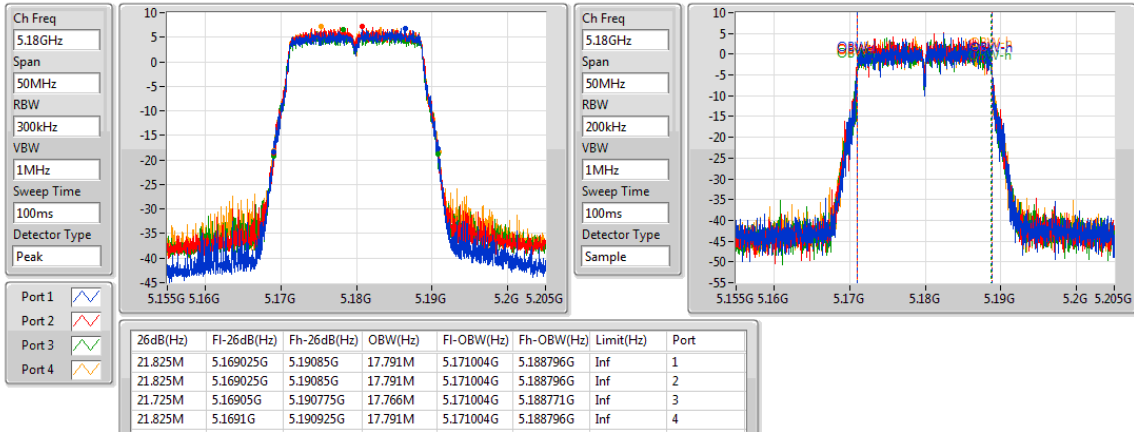
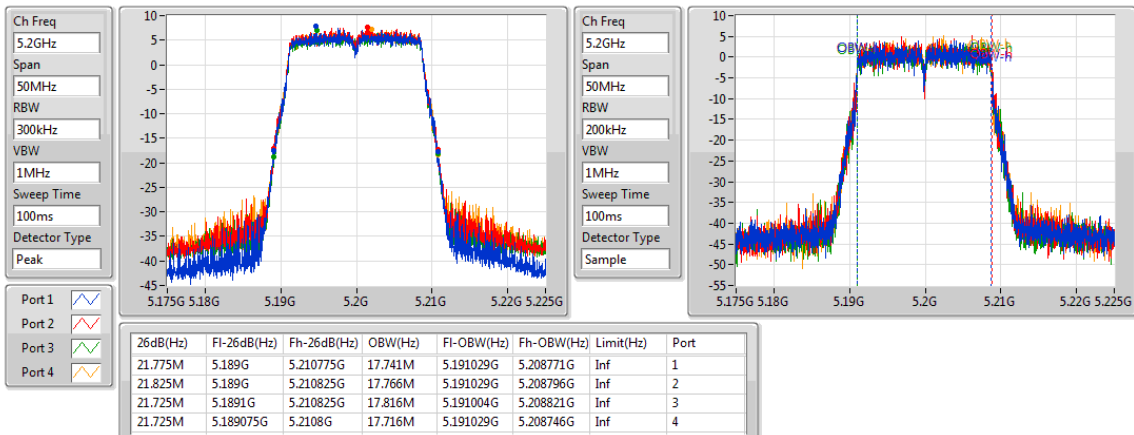
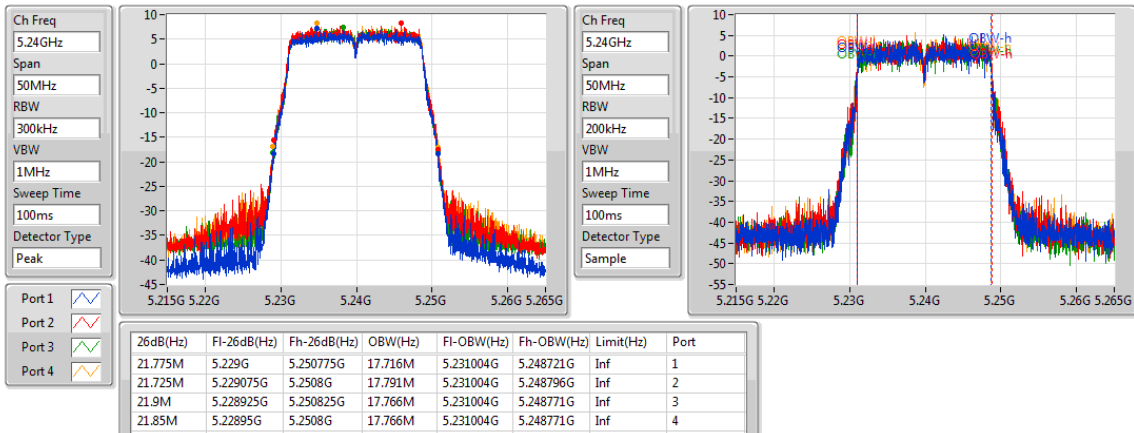
802.11ac VHT20_Nss1,(MCS0)_4TX

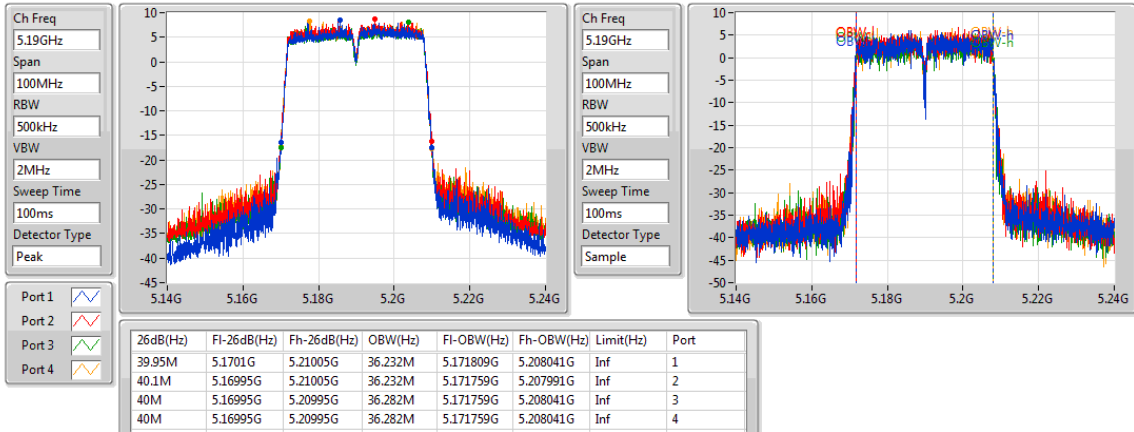
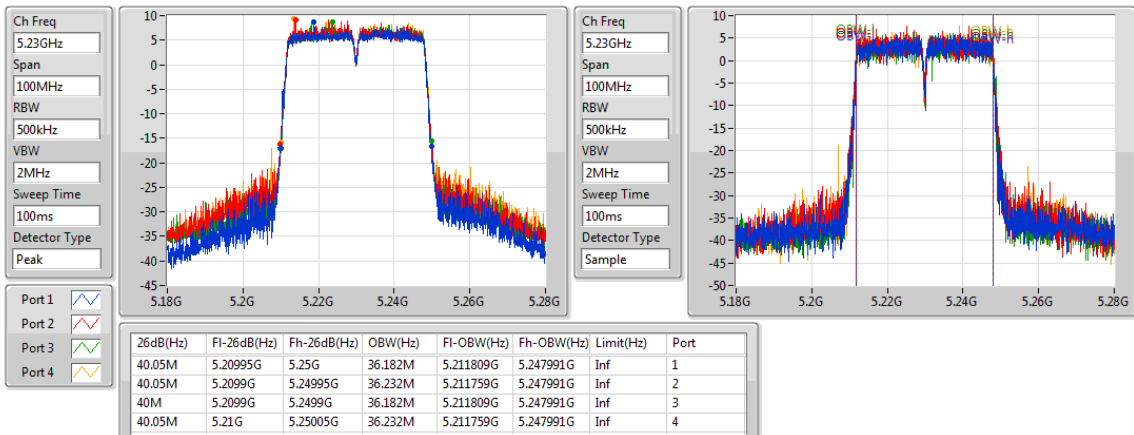
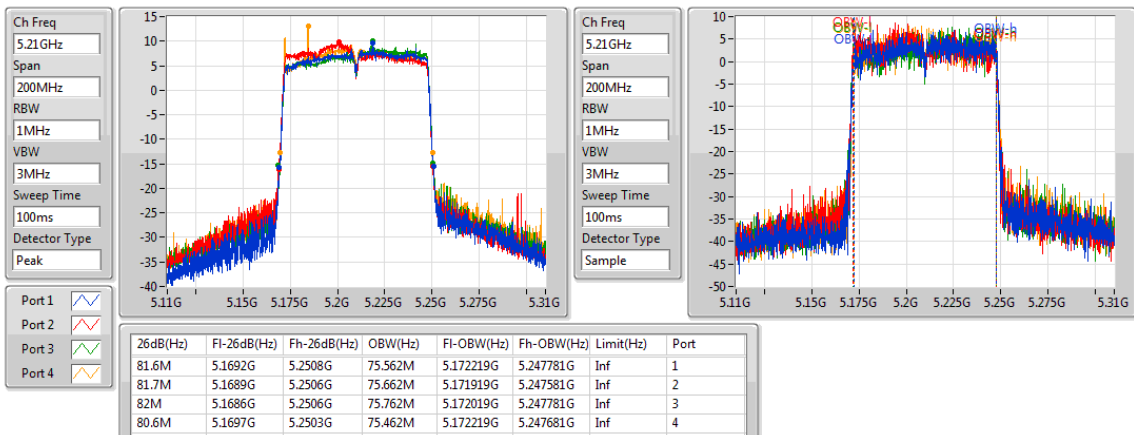
EBW

5240MHz



802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5230MHz

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5210MHz


802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5180MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5200MHz

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
EBW
5240MHz


802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5190MHz

802.11ac VHT40-BF_Nss1,(MCS0)_4TX
EBW
5230MHz

802.11ac VHT80-BF_Nss1,(MCS0)_4TX
EBW
5210MHz




Power Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_4TX	-	-	-	-
5.15-5.25GHz	28.50	0.70795	34.00	2.51189
5.25-5.35GHz	22.53	0.17906	27.83	0.60674
5.47-5.725GHz	23.05	0.20184	28.85	0.76736
5.725-5.85GHz	27.80	0.60256	33.50	2.23872
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	28.21	0.66222	33.71	2.34963
5.25-5.35GHz	22.61	0.18239	27.91	0.61802
5.47-5.725GHz	23.09	0.20370	28.89	0.77446
5.725-5.85GHz	27.75	0.59566	33.45	2.21309
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.29	0.53580	32.79	1.90108
5.25-5.35GHz	23.95	0.24831	29.25	0.84140
5.47-5.725GHz	23.97	0.24946	29.77	0.94842
5.725-5.85GHz	27.77	0.59841	33.47	2.22331
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.61	0.18239	28.11	0.64714
5.25-5.35GHz	23.02	0.20045	28.32	0.67920
5.47-5.725GHz	23.66	0.23227	29.46	0.88308
5.725-5.85GHz	26.20	0.41687	31.90	1.54882
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.80	0.60256	35.40	3.46737
5.25-5.35GHz	21.59	0.14421	29.09	0.81096
5.47-5.725GHz	22.01	0.15885	29.01	0.79616
5.725-5.85GHz	27.85	0.60954	34.95	3.12608
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	27.17	0.52119	34.77	2.99916
5.25-5.35GHz	22.00	0.15849	29.50	0.89125
5.47-5.725GHz	22.78	0.18967	29.78	0.95060
5.725-5.85GHz	27.91	0.61802	35.01	3.16957
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	23.33	0.21528	30.93	1.23880
5.25-5.35GHz	21.20	0.13183	28.70	0.74131
5.47-5.725GHz	22.92	0.19588	29.92	0.98175
5.725-5.85GHz	26.71	0.46881	33.81	2.40436



Power Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix C.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50	20.19	19.80	19.73	19.81	25.91	30.00
5200MHz	Pass	5.50	22.51	22.14	22.05	22.08	28.22	30.00
5240MHz	Pass	5.50	22.83	22.46	22.22	22.37	28.50	30.00
5260MHz	Pass	5.30	16.66	16.38	16.67	16.31	22.53	23.98
5300MHz	Pass	5.30	16.8	16.52	16.56	16.13	22.53	23.98
5320MHz	Pass	5.30	16.72	16.7	16.28	16.25	22.51	23.98
5500MHz	Pass	5.80	17	17	16.5	17.07	22.92	23.98
5580MHz	Pass	5.80	17.21	17.1	16.82	16.98	23.05	23.98
5700MHz	Pass	5.80	16.95	16.08	16.69	16.42	22.57	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.80	16.37	16.06	16.14	16.32	22.24	22.95
5720MHz Straddle 5.725-5.85GHz	Pass	5.70	10.06	9.72	9.97	10.09	15.98	30.00
5745MHz	Pass	5.70	21.97	21.82	21.76	21.54	27.80	30.00
5785MHz	Pass	5.70	21.78	21.74	21.63	21.5	27.68	30.00
5825MHz	Pass	5.70	21.61	21.65	21.57	21.29	27.55	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50	20.97	20.57	20.6	20.66	26.72	30.00
5200MHz	Pass	5.50	22.52	22.09	22	22.11	28.21	30.00
5240MHz	Pass	5.50	22.42	22.08	22.01	22.08	28.17	30.00
5260MHz	Pass	5.30	16.66	16.46	16.52	16.32	22.51	23.98
5300MHz	Pass	5.30	16.62	16.6	16.59	16.22	22.53	23.98
5320MHz	Pass	5.30	16.72	16.62	16.63	16.36	22.61	23.98
5500MHz	Pass	5.80	16.99	16.89	16.53	16.85	22.84	23.98
5580MHz	Pass	5.80	17.14	17.11	16.87	17.14	23.09	23.98
5700MHz	Pass	5.80	16.85	16.89	17.19	16.9	22.98	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.80	16.13	15.83	16.19	15.88	22.03	22.99
5720MHz Straddle 5.725-5.85GHz	Pass	5.70	10.2	9.94	10.21	9.98	16.10	30.00
5745MHz	Pass	5.70	21.94	21.82	21.66	21.49	27.75	30.00
5785MHz	Pass	5.70	21.76	21.64	21.64	21.54	27.67	30.00
5825MHz	Pass	5.70	21.58	21.68	21.54	21.2	27.52	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.50	17.43	17.44	17.37	17.54	23.47	30.00
5230MHz	Pass	5.50	21.31	21.37	21.07	21.31	27.29	30.00
5270MHz	Pass	5.30	18.18	17.79	17.95	17.79	23.95	23.98
5310MHz	Pass	5.30	17.85	17.58	17.38	17.54	23.61	23.98
5510MHz	Pass	5.80	18.12	18.1	17.79	17.71	23.95	23.98
5550MHz	Pass	5.80	18.22	17.99	17.8	17.78	23.97	23.98
5670MHz	Pass	5.80	18.05	18	17.95	17.71	23.95	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.80	17.87	17.65	17.82	17.53	23.74	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.70	7.16	7.12	7.22	6.85	13.11	30.00
5755MHz	Pass	5.70	22.17	21.73	21.48	21.6	27.77	30.00
5795MHz	Pass	5.70	21.84	21.81	21.23	21.52	27.63	30.00



Power Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix C.1

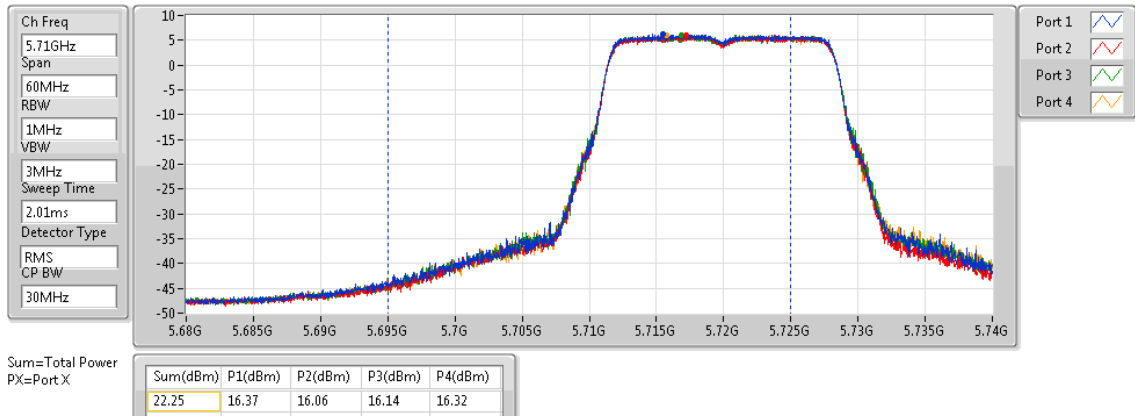
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.50	16.52	16.63	16.56	16.65	22.61	30.00
5290MHz	Pass	5.30	17.23	16.76	17.11	16.9	23.02	23.98
5530MHz	Pass	5.80	17.9	17.42	17.53	17.32	23.57	23.98
5610MHz	Pass	5.80	17.93	17.44	17.55	17.34	23.59	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.80	17.93	17.46	17.79	17.37	23.66	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.70	3.52	3.45	3.57	3.13	9.44	30.00
5775MHz	Pass	5.70	20.48	20.32	20.16	19.7	26.20	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	19.02	19.4	19.04	19.23	25.20	28.40
5200MHz	Pass	7.60	21.66	22.07	21.56	21.82	27.80	28.40
5240MHz	Pass	7.60	20.51	20.69	20.78	20.55	26.65	28.40
5260MHz	Pass	7.50	15.69	15.67	15.24	15.67	21.59	22.48
5300MHz	Pass	7.50	14.59	15.08	14.67	15.3	20.94	22.48
5320MHz	Pass	7.50	14.59	15.27	15.16	15.27	21.10	22.48
5500MHz	Pass	7.00	15.52	16.36	15.85	16.03	21.97	22.98
5580MHz	Pass	7.00	15.58	16.46	15.85	16.02	22.01	22.98
5700MHz	Pass	7.00	15.5	15.82	15.51	16	21.73	22.98
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	15.04	15.26	15.72	15.26	21.35	21.98
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	9.24	9.54	8.63	10.69	15.61	28.90
5745MHz	Pass	7.10	20.7	21.49	21.53	21.56	27.35	28.90
5785MHz	Pass	7.10	21.59	21.65	21.95	22.09	27.85	28.90
5825MHz	Pass	7.10	20.89	21.27	21.57	21.75	27.40	28.90
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.60	17.06	17.65	16.85	17.54	23.31	28.40
5230MHz	Pass	7.60	20.93	21.45	21.05	21.15	27.17	28.40
5270MHz	Pass	7.50	15.13	16.43	16.13	15.87	21.94	22.48
5310MHz	Pass	7.50	15.31	16.49	16.09	15.93	22.00	22.48
5510MHz	Pass	7.00	15.89	16.21	15.92	16.31	22.11	22.98
5550MHz	Pass	7.00	16.29	16.81	16.77	17.14	22.78	22.98
5670MHz	Pass	7.00	16.63	16.74	16.66	16.74	22.71	22.98
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	16.08	16.77	16.55	17.06	22.65	22.98
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	5.33	6.66	4.13	7.26	12.03	28.90
5755MHz	Pass	7.10	21.48	21.62	22	21.81	27.75	28.90
5795MHz	Pass	7.10	21.39	21.75	22.1	22.27	27.91	28.90
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.60	17.21	17.56	16.98	17.47	23.33	28.40
5290MHz	Pass	7.50	14.89	15.56	15.11	15.14	21.20	22.48
5530MHz	Pass	7.00	15.59	16.46	15.56	15.65	21.85	22.98
5610MHz	Pass	7.00	16.79	16.93	17.2	16.64	22.92	22.98
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	15.75	16.42	16.5	16.63	22.36	22.98
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	1.26	2.36	1.76	3.13	8.20	28.90
5775MHz	Pass	7.10	20.53	20.73	20.36	21.09	26.71	28.90

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

802.11a_(6Mbps)_4TX

AV Power

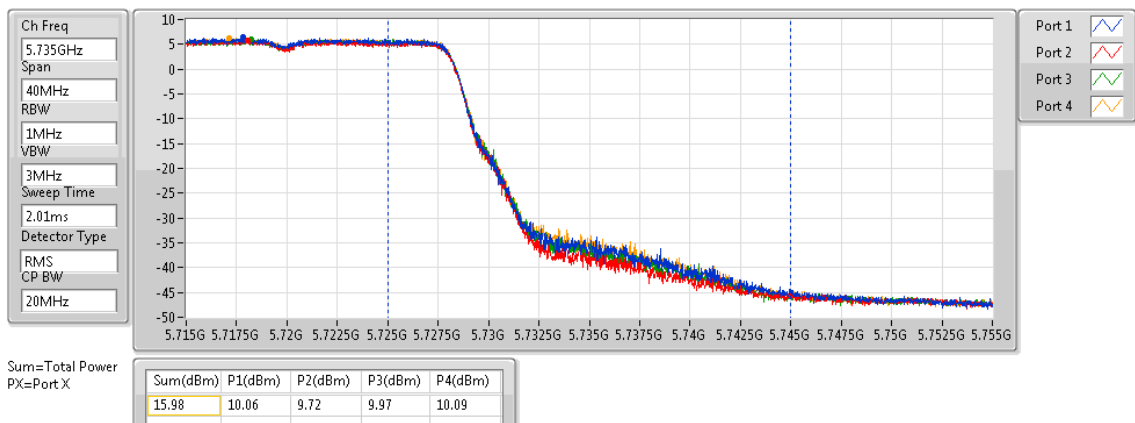
5720MHz Straddle 5.47-5.725GHz



802.11a_(6Mbps)_4TX

AV Power

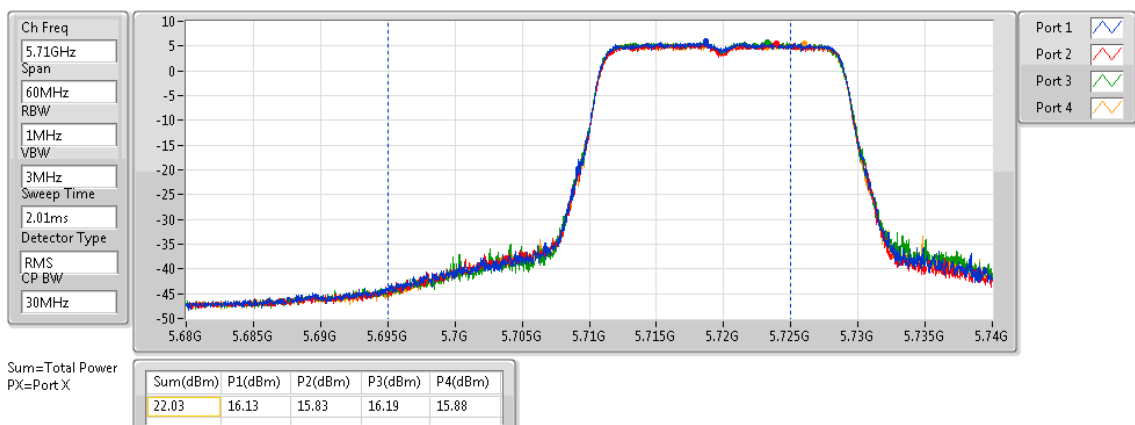
5720MHz Straddle 5.725-5.85GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

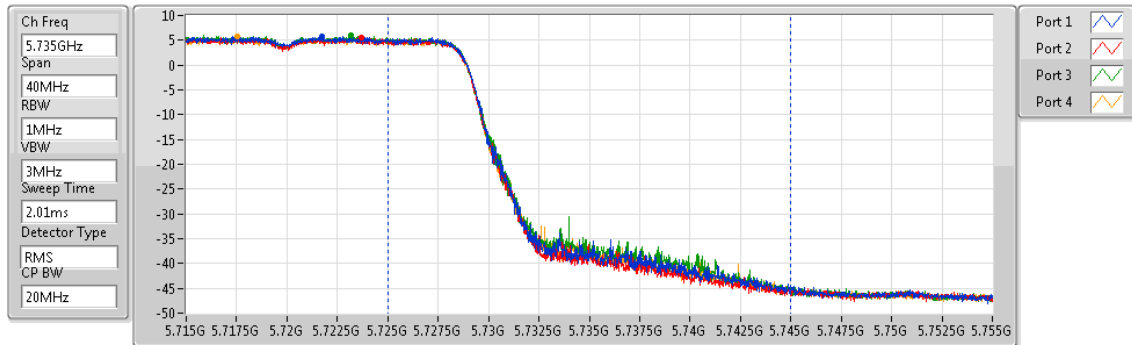
5720MHz Straddle 5.47-5.725GHz



802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz



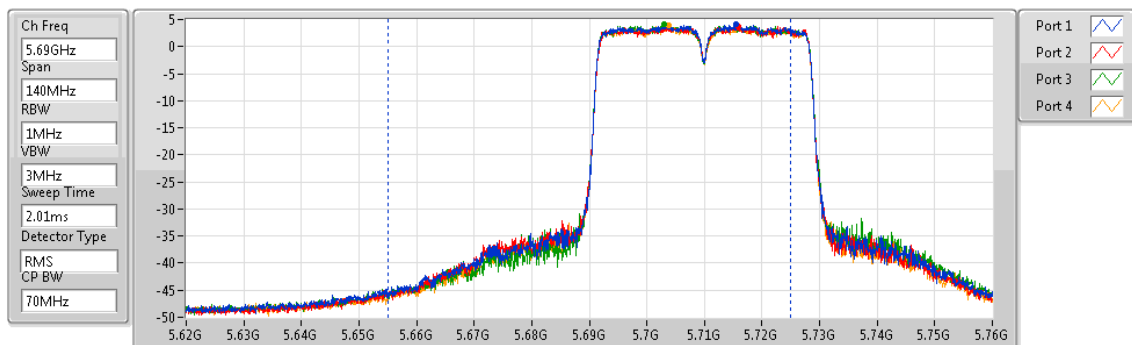
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.10	10.20	9.94	10.21	9.98

802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz



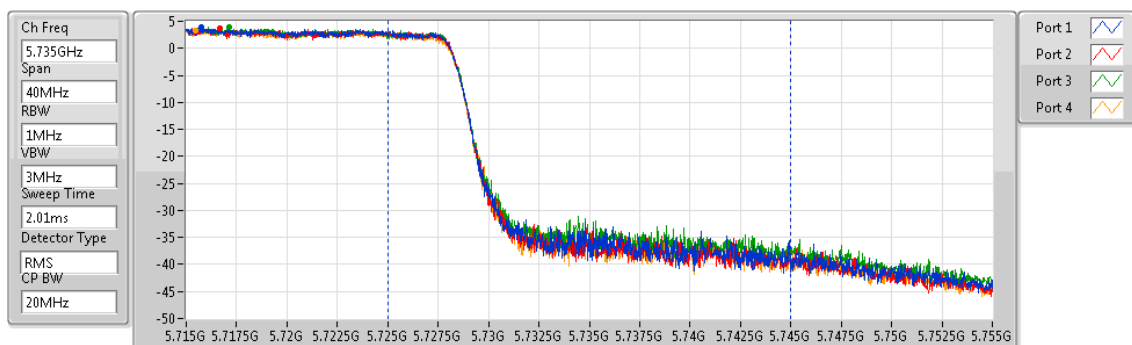
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.74	17.87	17.65	17.82	17.53

802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz



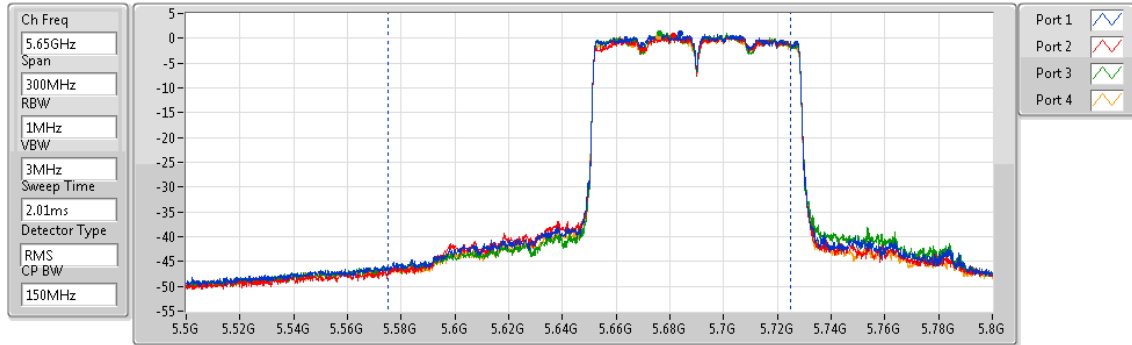
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.11	7.16	7.12	7.22	6.85

802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz



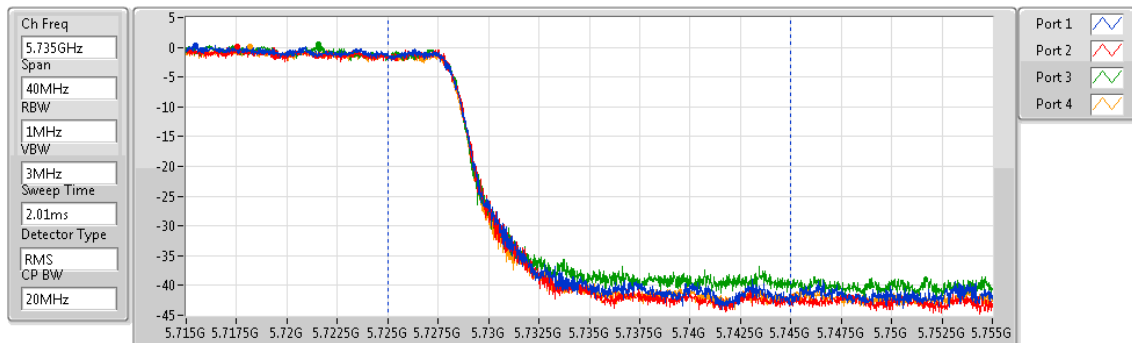
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.67	17.93	17.46	17.79	17.37

802.11ac VHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz



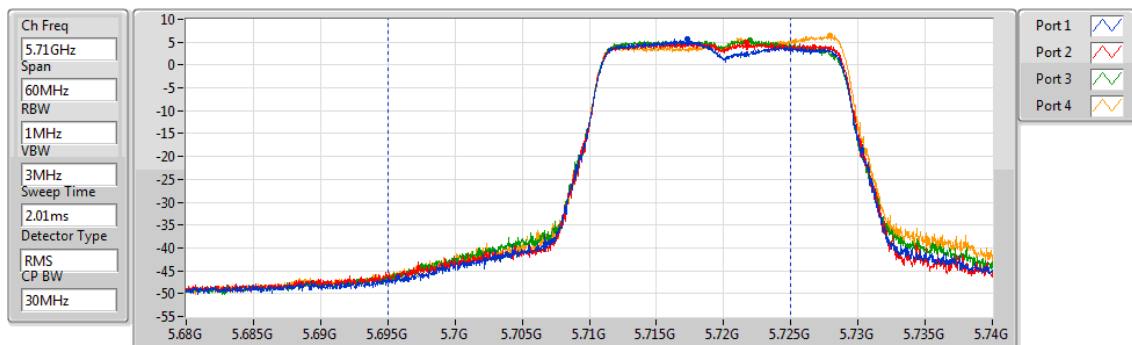
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.44	3.52	3.45	3.57	3.13

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz



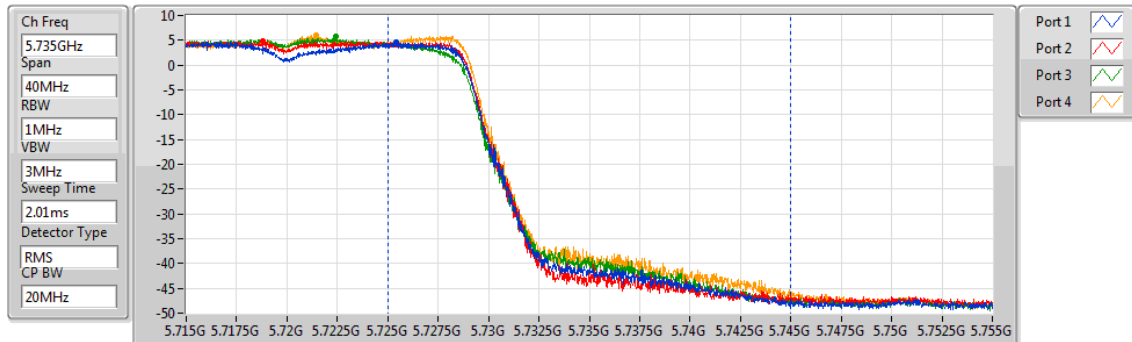
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.33	14.94	15.26	15.72	15.26

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz



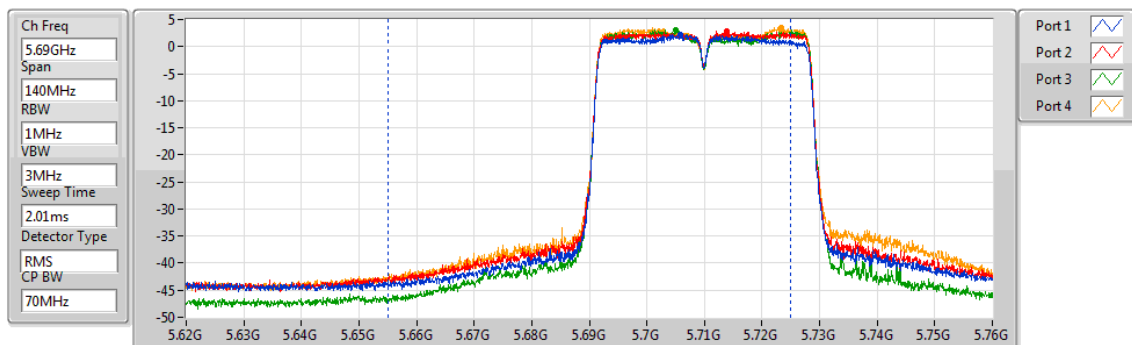
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.61	9.24	9.54	8.63	10.69

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz



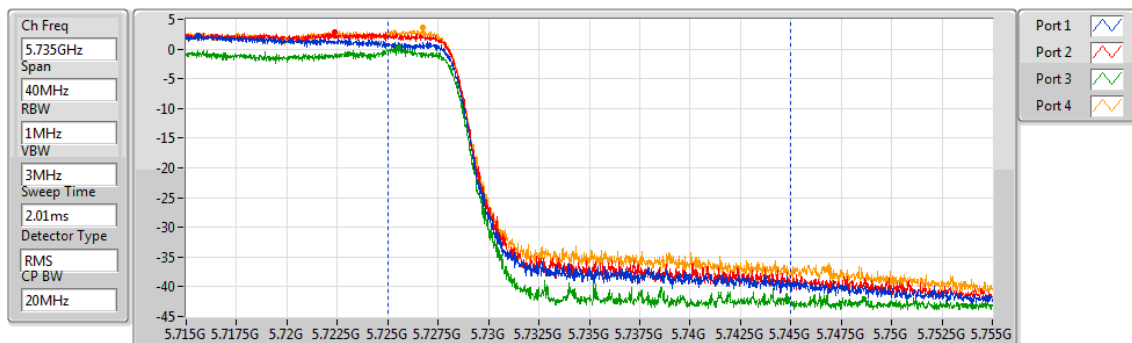
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.65	16.08	16.77	16.55	17.06

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz



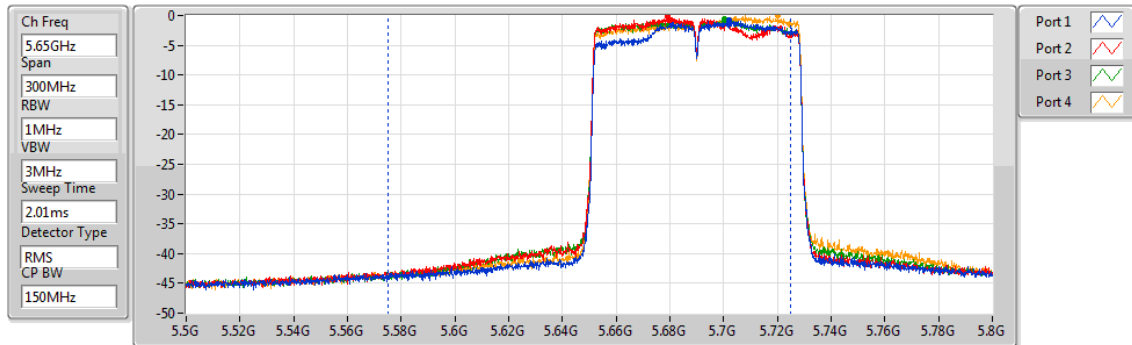
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
12.03	5.33	6.66	4.13	7.26

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz



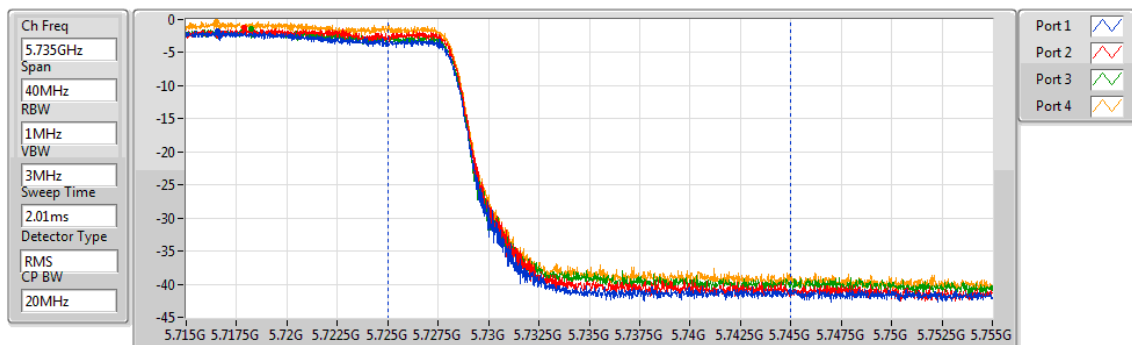
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.36	15.75	16.42	16.50	16.63

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.21	1.26	2.36	1.76	3.13

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_(6Mbps)_4TX	-	-	-	-
5.15-5.25GHz	22.31	0.17022	27.81	0.60395
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.29	0.16943	27.79	0.60117
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	23.73	0.23605	29.23	0.83753
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.61	0.18239	28.11	0.64714
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	21.73	0.14894	29.33	0.85704
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.24	0.16749	29.84	0.96383
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-
5.15-5.25GHz	22.31	0.17022	29.91	0.97949



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50	16.38	16.05	16.16	16.52	22.30	23.98
5200MHz	Pass	5.50	16.41	15.95	16.22	16.57	22.31	23.98
5240MHz	Pass	5.50	15.86	15.74	15.81	16.09	21.90	23.98
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.50	16.24	15.88	16	16.07	22.07	23.98
5200MHz	Pass	5.50	16.3	15.98	16.13	16.28	22.20	23.98
5240MHz	Pass	5.50	16.4	15.87	16.34	16.46	22.29	23.98
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.50	17.43	17.44	17.37	17.54	23.47	23.98
5230MHz	Pass	5.50	17.77	17.67	17.67	17.73	23.73	23.98
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.50	16.51	16.64	16.56	16.65	22.61	23.98
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	14.89	15.33	14.99	15.4	21.18	22.38
5200MHz	Pass	7.60	15.54	15.99	15.66	15.64	21.73	22.38
5240MHz	Pass	7.60	15.54	15.75	15.55	15.69	21.65	22.38
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.60	16.01	16.27	16.02	16.04	22.11	22.38
5230MHz	Pass	7.60	16.00	16.49	16.23	16.16	22.24	22.38
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.60	16.23	16.22	16.26	16.43	22.31	22.38

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



PSD Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix D.1

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-
5.15-5.25GHz	15.03	22.63
5.25-5.35GHz	9.49	16.99
5.47-5.725GHz	9.9	16.90
5.725-5.85GHz	12.89	19.99
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	14.75	22.35
5.25-5.35GHz	9.48	16.98
5.47-5.725GHz	9.97	16.97
5.725-5.85GHz	12.78	19.88
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	12.5	20.10
5.25-5.35GHz	8.95	16.45
5.47-5.725GHz	9	16.00
5.725-5.85GHz	10.93	18.03
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	5.68	13.28
5.25-5.35GHz	5.65	13.15
5.47-5.725GHz	6.41	13.41
5.725-5.85GHz	8.13	15.23
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	15.39	22.99
5.25-5.35GHz	9.39	16.89
5.47-5.725GHz	9.64	16.64
5.725-5.85GHz	14.05	21.15
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	11.38	18.98
5.25-5.35GHz	6.41	13.91
5.47-5.725GHz	6.64	13.64
5.725-5.85GHz	10.76	17.86
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	5.45	13.05
5.25-5.35GHz	1.8	9.30
5.47-5.725GHz	3.85	10.85
5.725-5.85GHz	6.31	13.41

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



PSD Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix D.1

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	7.35	6.95	6.88	6.97	12.99	15.40
5200MHz	Pass	7.60	9.18	8.92	8.62	8.69	14.78	15.40
5240MHz	Pass	7.60	9.39	9.15	8.97	8.92	15.03	15.40
5260MHz	Pass	7.50	3.66	3.74	3.61	3.12	9.48	9.50
5300MHz	Pass	7.50	3.6	3.63	3.62	3.35	9.47	9.50
5320MHz	Pass	7.50	3.7	3.72	3.52	3.27	9.49	9.50
5500MHz	Pass	7.00	4.13	3.92	3.56	3.75	9.80	10.00
5580MHz	Pass	7.00	4.1	4.07	3.7	3.93	9.90	10.00
5700MHz	Pass	7.00	3.8	3.51	3.94	3.47	9.64	10.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	3.9	3.51	3.5	3.82	9.65	10.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	2.38	2.19	2.28	2.38	8.26	28.90
5745MHz	Pass	7.10	7.19	6.96	6.87	6.65	12.89	28.90
5785MHz	Pass	7.10	7.21	6.96	6.64	6.68	12.84	28.90
5825MHz	Pass	7.10	6.79	6.84	6.6	6.42	12.61	28.90
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	8.19	7.8	7.75	7.83	13.84	15.40
5200MHz	Pass	7.60	8.94	8.76	8.42	8.61	14.57	15.40
5240MHz	Pass	7.60	8.96	8.77	8.65	8.79	14.75	15.40
5260MHz	Pass	7.50	3.65	3.46	3.65	3.29	9.43	9.50
5300MHz	Pass	7.50	3.73	3.43	3.69	3.34	9.42	9.50
5320MHz	Pass	7.50	3.61	3.79	3.54	3.25	9.48	9.50
5500MHz	Pass	7.00	3.98	3.84	3.58	3.77	9.72	10.00
5580MHz	Pass	7.00	4.15	4.1	3.92	4.01	9.97	10.00
5700MHz	Pass	7.00	4.09	3.79	4.14	3.86	9.89	10.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	4.02	3.73	4.15	3.71	9.86	10.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	2.13	1.94	2.26	1.96	8.05	28.90
5745MHz	Pass	7.10	7.11	6.98	6.88	6.56	12.78	28.90
5785MHz	Pass	7.10	6.96	6.8	6.66	6.59	12.66	28.90
5825MHz	Pass	7.10	6.53	6.68	6.39	6.08	12.31	28.90
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.60	2.69	2.73	2.61	2.71	8.66	15.40
5230MHz	Pass	7.60	6.7	6.66	6.36	6.59	12.50	15.40
5270MHz	Pass	7.50	3.36	2.81	2.99	2.88	8.95	9.50
5310MHz	Pass	7.50	3.06	2.65	2.52	2.59	8.65	9.50
5510MHz	Pass	7.00	3.36	3.15	2.91	2.95	8.96	10.00
5550MHz	Pass	7.00	3.26	3.1	3.04	2.79	9.00	10.00
5670MHz	Pass	7.00	3.26	2.97	3.07	2.78	8.95	10.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	2.23	1.96	2.2	1.68	7.98	10.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	0.17	-0.06	0.12	-0.4	5.89	28.90
5755MHz	Pass	7.10	5.43	5.17	4.87	4.72	10.93	28.90
5795MHz	Pass	7.10	5.41	5.04	4.93	4.88	10.90	28.90
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-



PSD Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix D.1

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5210MHz	Pass	7.60	-0.2	-0.01	-0.18	-0.14	5.68	15.40
5290MHz	Pass	7.50	-0.03	-0.42	-0.14	-0.25	5.65	9.50
5530MHz	Pass	7.00	0.92	0.6	0.46	0.36	6.41	10.00
5610MHz	Pass	7.00	0.31	0.1	0.09	-0.07	5.99	10.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	-0.37	-0.71	-0.36	-0.92	5.24	10.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	-3.2	-3.35	-3.04	-3.51	2.66	28.90
5775MHz	Pass	7.10	2.65	2.6	2.16	1.7	8.13	28.90
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	7.47	6.82	6.44	7.33	12.51	15.40
5200MHz	Pass	7.60	9.15	9.99	9.42	10.4	15.39	15.40
5240MHz	Pass	7.60	8.4	8.94	9.23	9.32	14.56	15.40
5260MHz	Pass	7.50	2.75	4.3	4.09	4.28	9.39	9.50
5300MHz	Pass	7.50	2.53	3.59	3.64	3.77	9.09	9.50
5320MHz	Pass	7.50	3.17	3.48	3.35	3.4	9.03	9.50
5500MHz	Pass	7.00	2.44	3.55	3.8	4.19	9.39	10.00
5580MHz	Pass	7.00	2.56	3.79	3.96	4.04	9.35	10.00
5700MHz	Pass	7.00	3.3	3.82	4.07	5.49	9.64	10.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.00	3.15	3.04	3.69	4.14	9.00	10.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.10	0.66	1.16	1.38	2.54	7.18	28.90
5745MHz	Pass	7.10	7.64	8.32	8.32	8.42	13.83	28.90
5785MHz	Pass	7.10	8.02	8.68	8.51	8.62	14.05	28.90
5825MHz	Pass	7.10	7.24	8.59	8.06	8.29	13.58	28.90
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.60	1.99	2.04	1.48	3.37	7.87	15.40
5230MHz	Pass	7.60	5.58	6.24	6.14	5.9	11.38	15.40
5270MHz	Pass	7.50	0.31	1.76	1.79	1.36	6.41	9.50
5310MHz	Pass	7.50	-0.87	0.26	-0.01	0.42	5.70	9.50
5510MHz	Pass	7.00	-0.55	0.39	0.01	0.1	5.63	10.00
5550MHz	Pass	7.00	0.19	1.25	1.08	0.96	6.58	10.00
5670MHz	Pass	7.00	0.6	1.26	-0.25	1.1	6.27	10.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.00	0.57	1.03	-0.42	1.72	6.64	10.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.10	-2.03	-0.91	-2.77	-0.16	4.58	28.90
5755MHz	Pass	7.10	4.78	5.12	5.53	4.91	10.76	28.90
5795MHz	Pass	7.10	4.64	4.41	5.44	5.1	10.71	28.90
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.60	-1.21	0.08	1.13	-1.04	5.45	15.40
5290MHz	Pass	7.50	-3.82	-2.87	-3.89	-3.7	1.80	9.50
5530MHz	Pass	7.00	-4.04	-3.52	-3.96	-3.61	1.76	10.00
5610MHz	Pass	7.00	-2.61	-1.73	-1.43	-1.28	3.85	10.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.00	-2.76	-2.24	-2.42	-1.9	3.57	10.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.10	-5.67	-5.25	-5.57	-4.35	0.56	28.90
5775MHz	Pass	7.10	-0.01	1.02	0.67	0.61	6.31	28.90

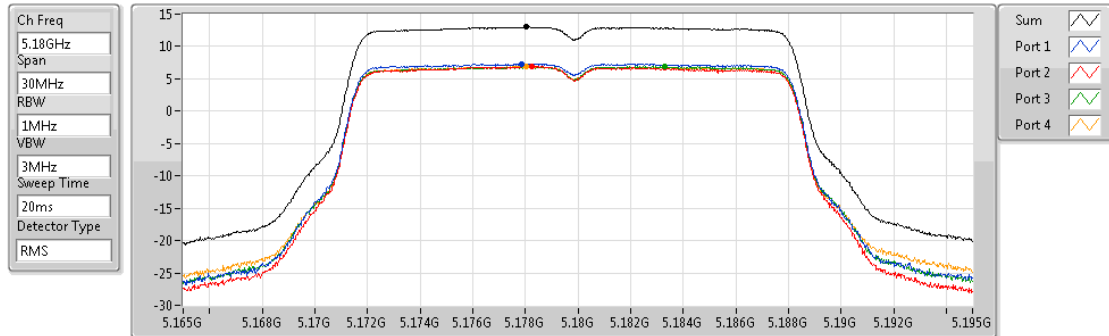
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_(6Mbps)_4TX

PSD

5180MHz

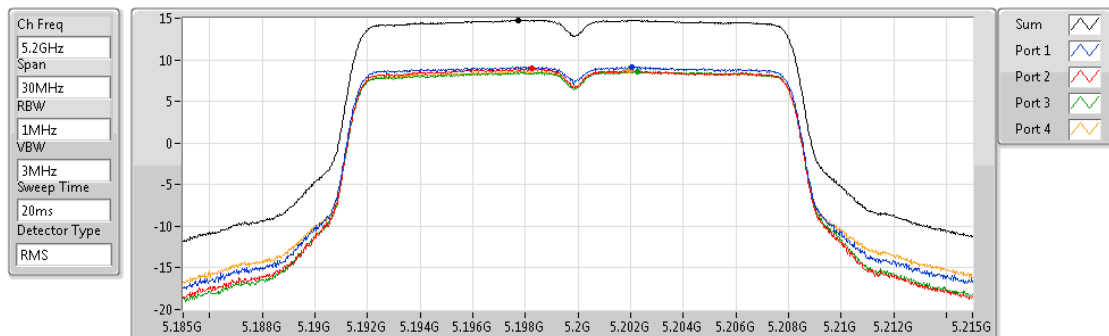


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.99	12.99	7.35	6.95	6.88	6.97

802.11a_(6Mbps)_4TX

PSD

5200MHz

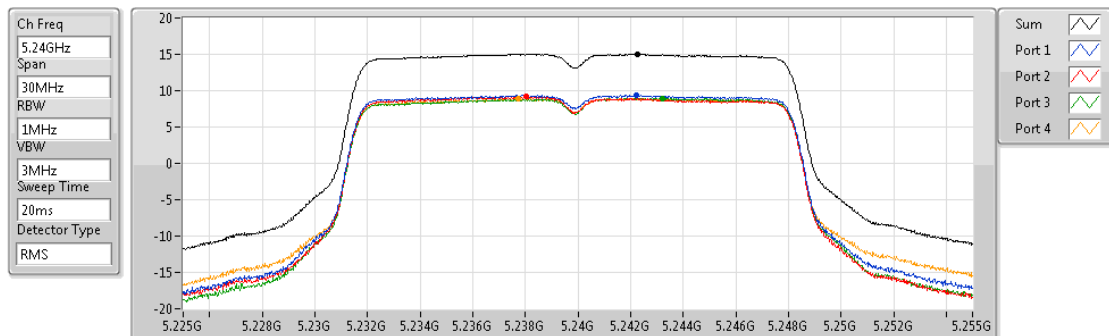


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.78	14.78	9.18	8.92	8.62	8.69

802.11a_(6Mbps)_4TX

PSD

5240MHz

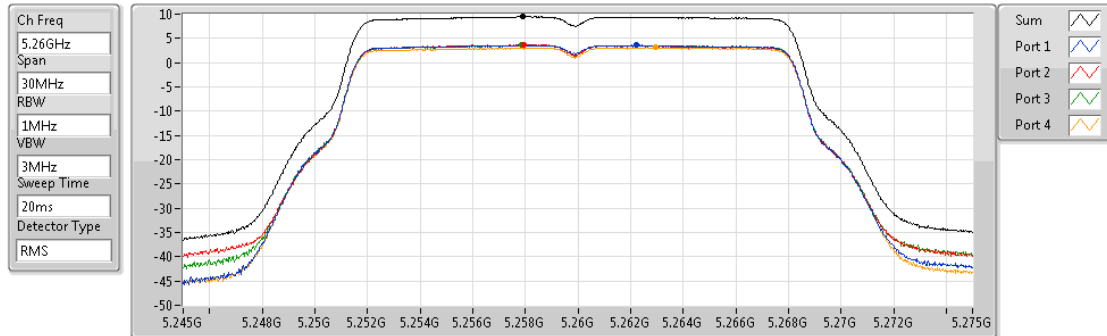


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.03	15.03	9.39	9.15	8.97	8.92

802.11a_(6Mbps)_4TX

PSD

5260MHz

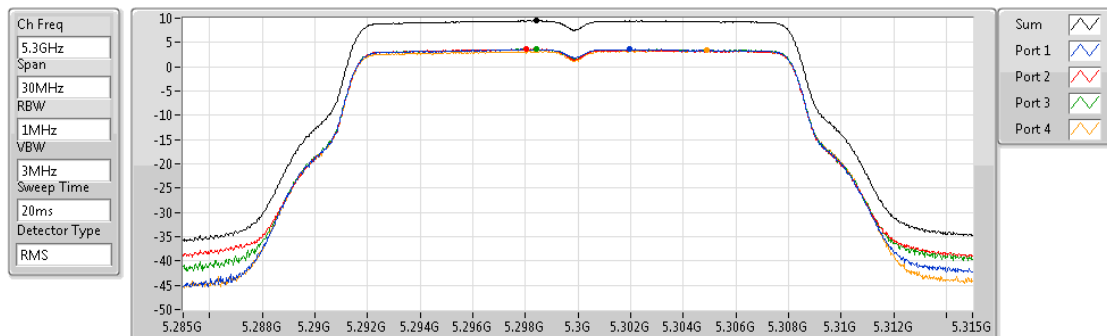


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.48	9.48	3.66	3.74	3.61	3.12

802.11a_(6Mbps)_4TX

PSD

5300MHz

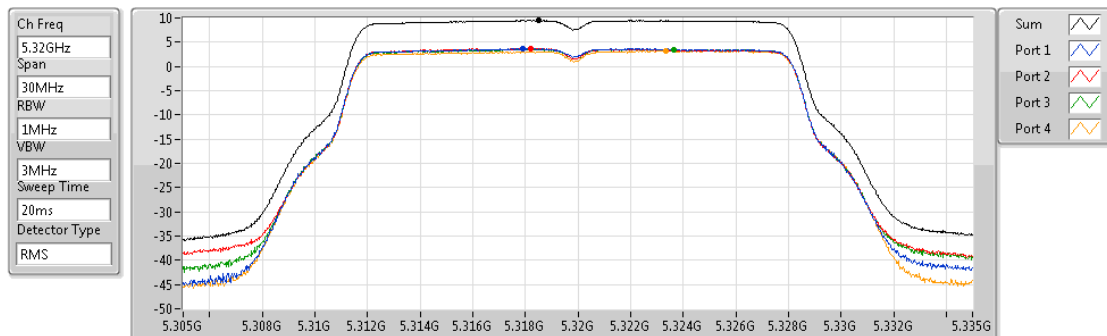


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.47	9.47	3.60	3.63	3.62	3.35

802.11a_(6Mbps)_4TX

PSD

5320MHz

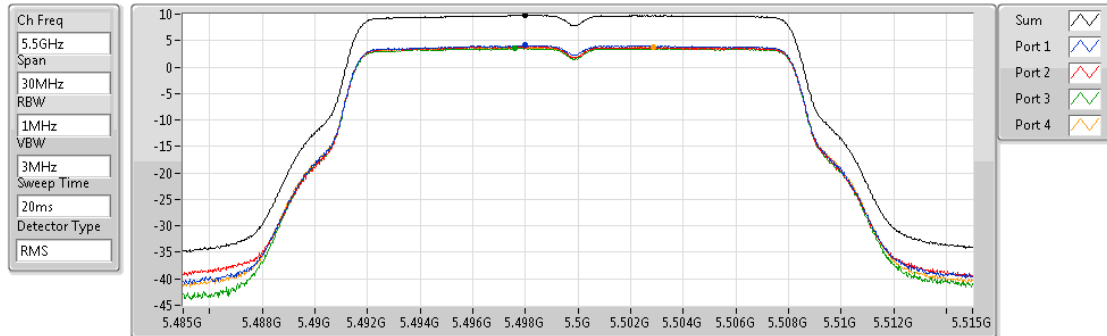


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.49	9.49	3.70	3.72	3.52	3.27

802.11a_(6Mbps)_4TX

PSD

5500MHz

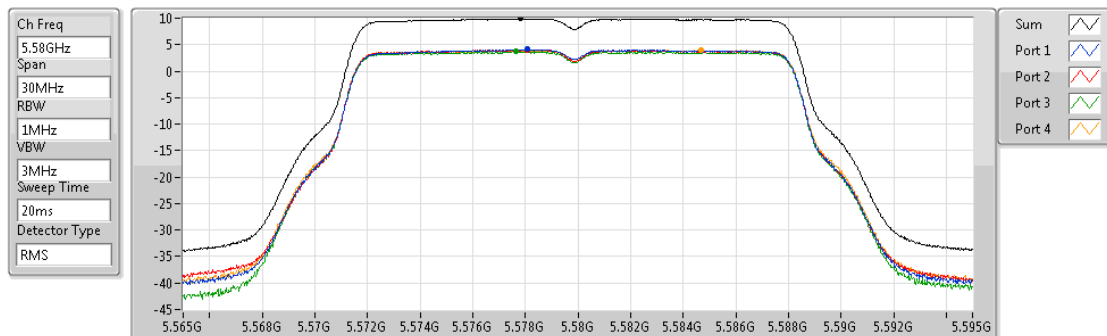


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.80	9.80	4.13	3.92	3.56	3.75

802.11a_(6Mbps)_4TX

PSD

5580MHz

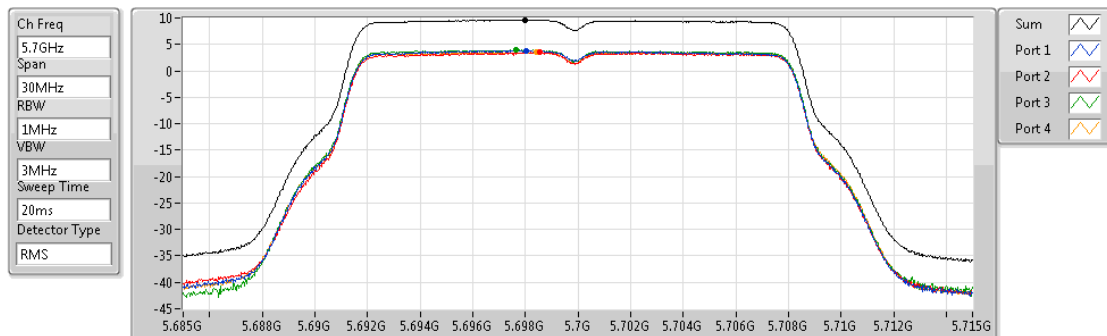


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.90	9.90	4.10	4.07	3.70	3.93

802.11a_(6Mbps)_4TX

PSD

5700MHz

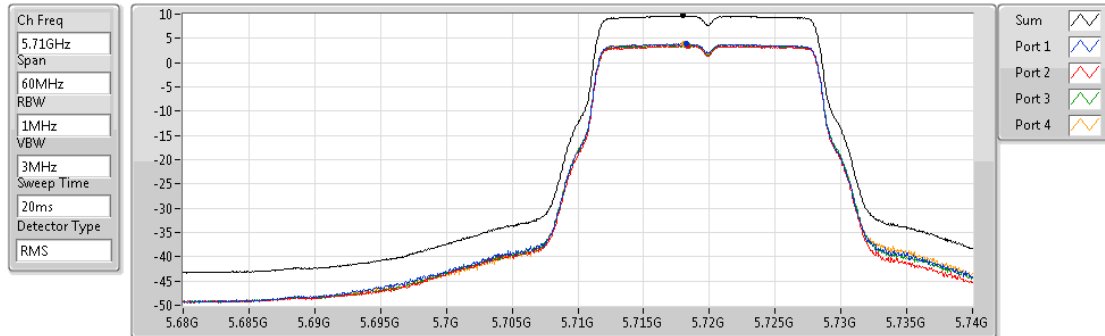


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.64	9.64	3.80	3.51	3.94	3.47

802.11a_(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

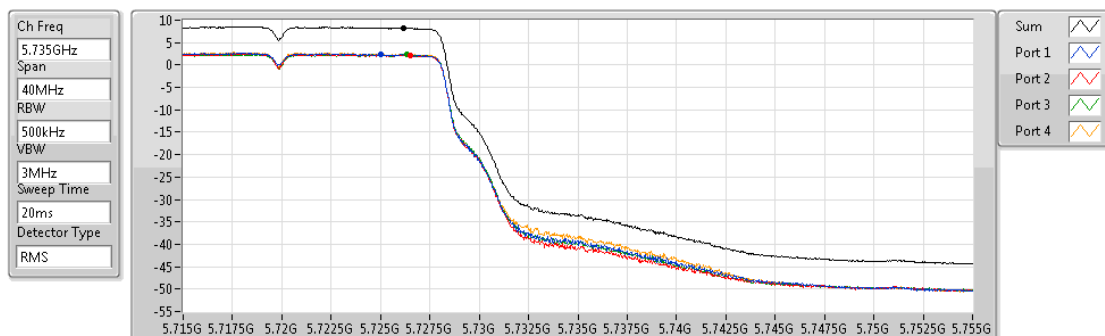


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.65	9.65	3.90	3.51	3.50	3.82

802.11a_(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

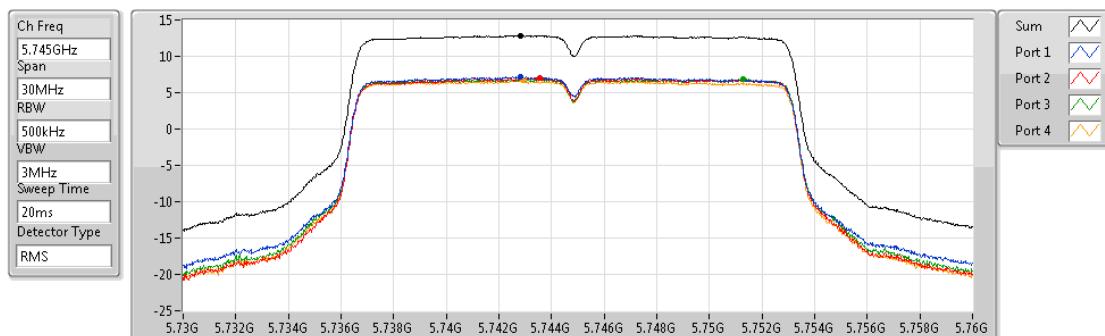


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
8.26	8.26	2.38	2.19	2.28	2.38

802.11a_(6Mbps)_4TX

PSD

5745MHz

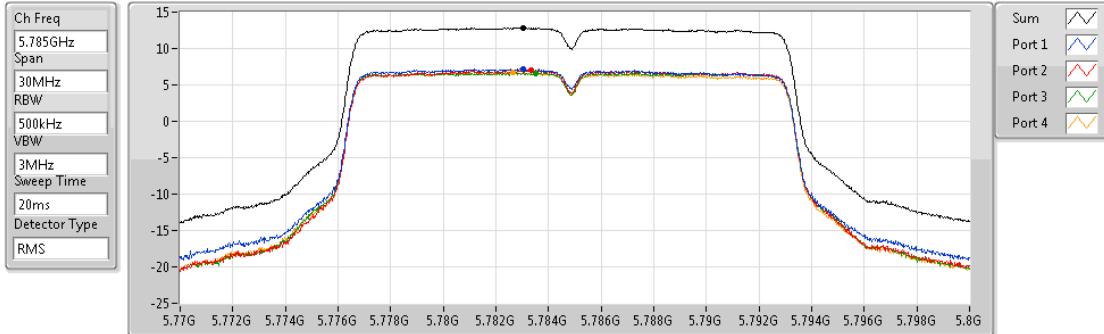


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.89	12.89	7.19	6.96	6.87	6.65

802.11a_(6Mbps)_4TX

PSD

5785MHz

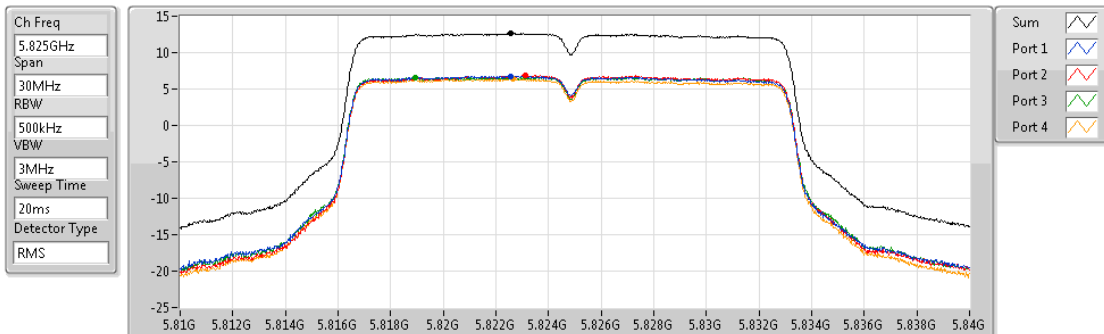


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.84	12.84	7.21	6.96	6.64	6.68

802.11a_(6Mbps)_4TX

PSD

5825MHz

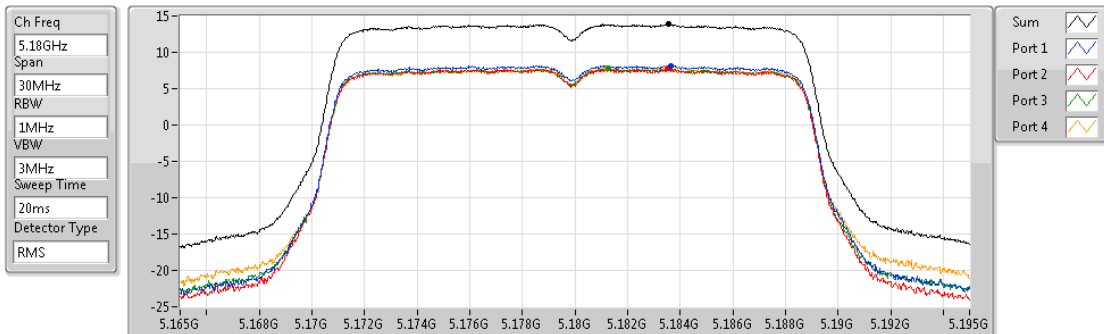


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.61	12.61	6.79	6.84	6.60	6.42

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

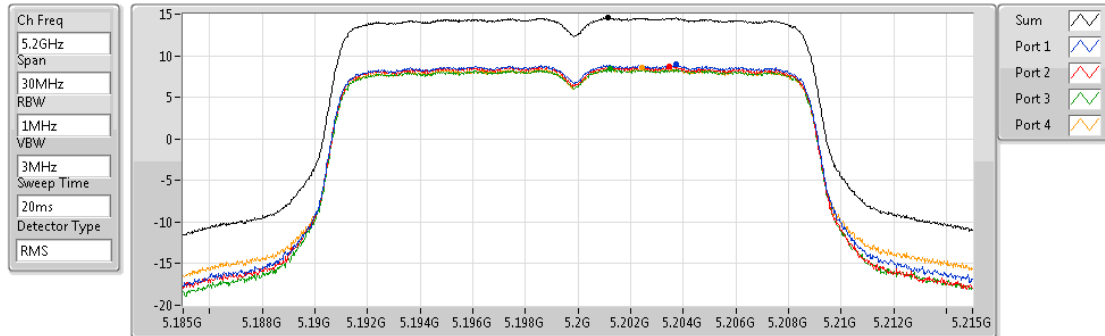


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.84	13.84	8.19	7.80	7.75	7.83

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

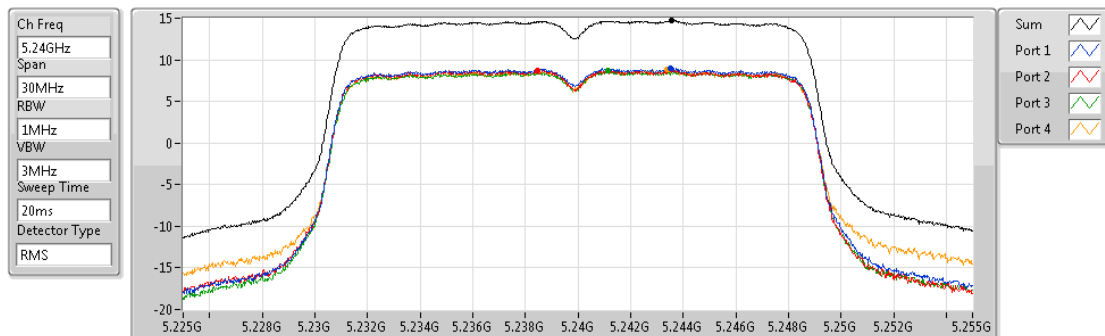


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.57	14.57	8.94	8.76	8.42	8.61

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

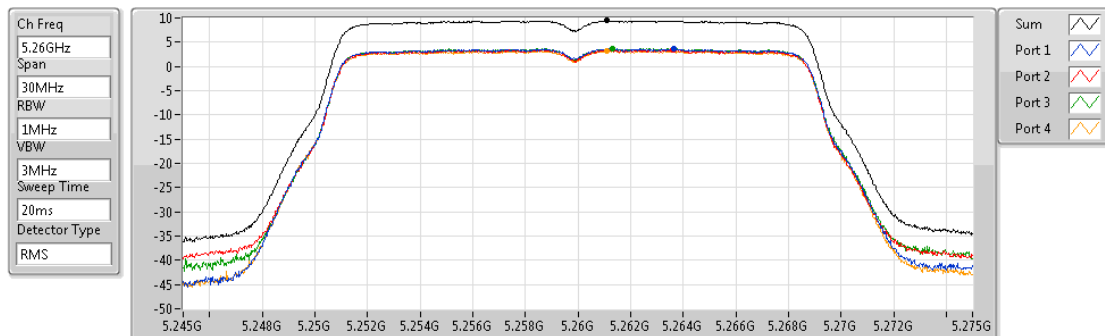


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.75	14.75	8.96	8.77	8.65	8.79

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5260MHz

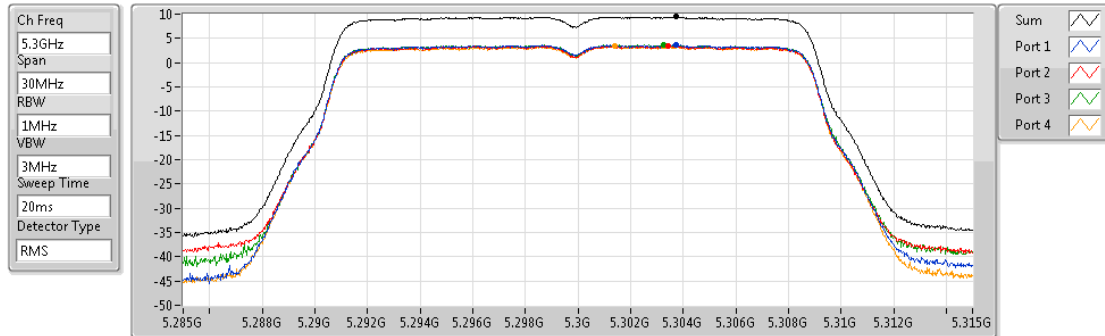


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.43	9.43	3.65	3.46	3.65	3.29

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

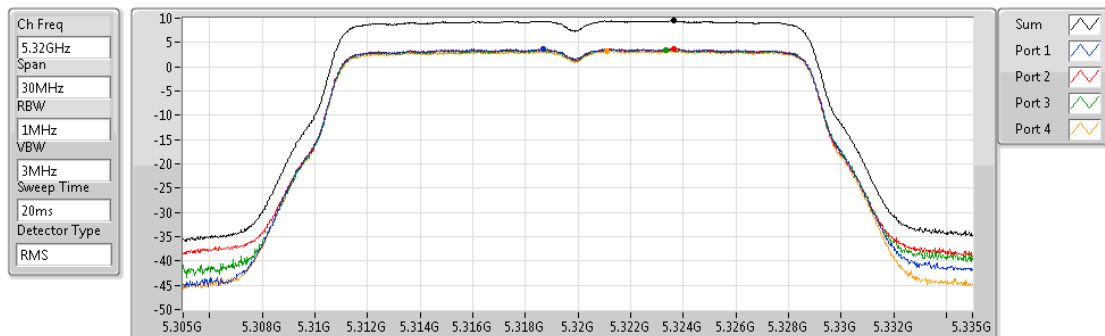


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.42	9.42	3.73	3.43	3.69	3.34

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

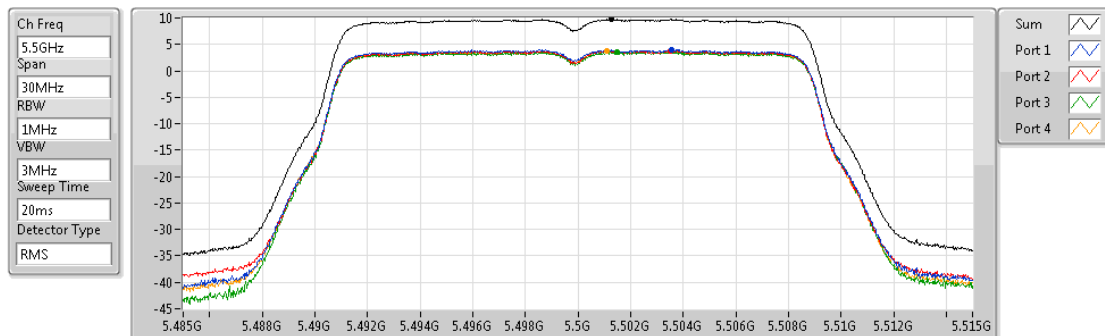


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.48	9.48	3.61	3.79	3.54	3.25

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

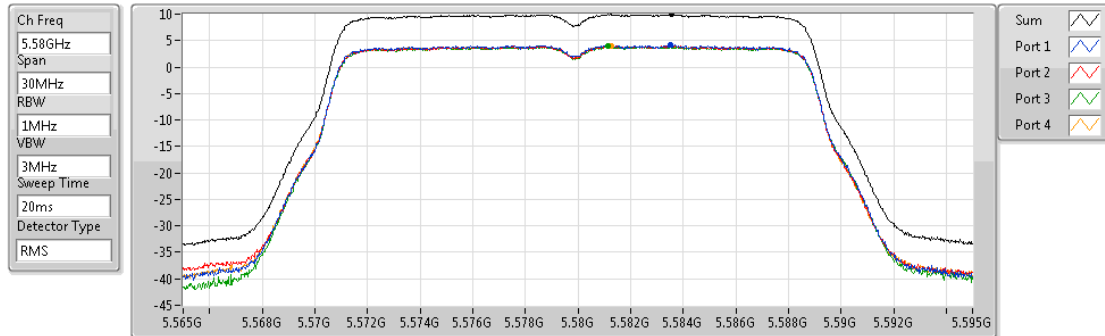


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.72	9.72	3.98	3.84	3.58	3.77

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

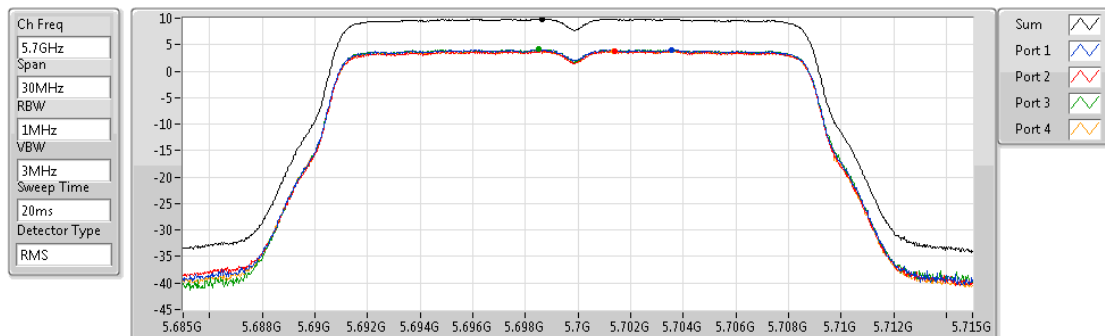


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.97	9.97	4.15	4.10	3.92	4.01

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

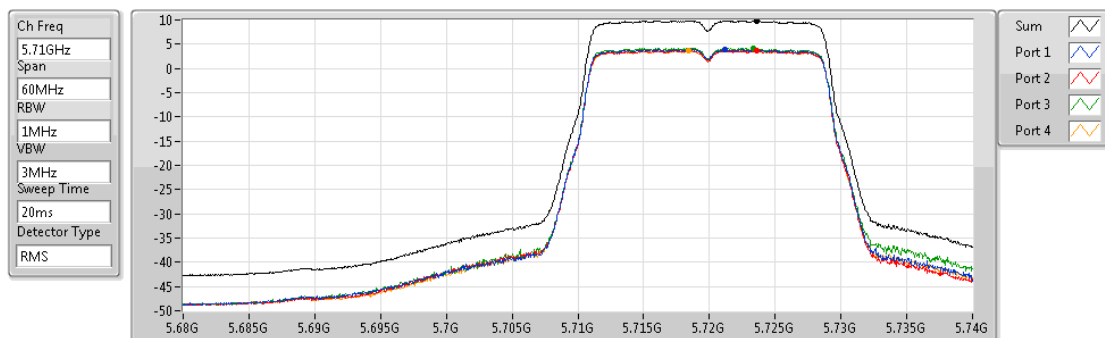


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.89	9.89	4.09	3.79	4.14	3.86

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

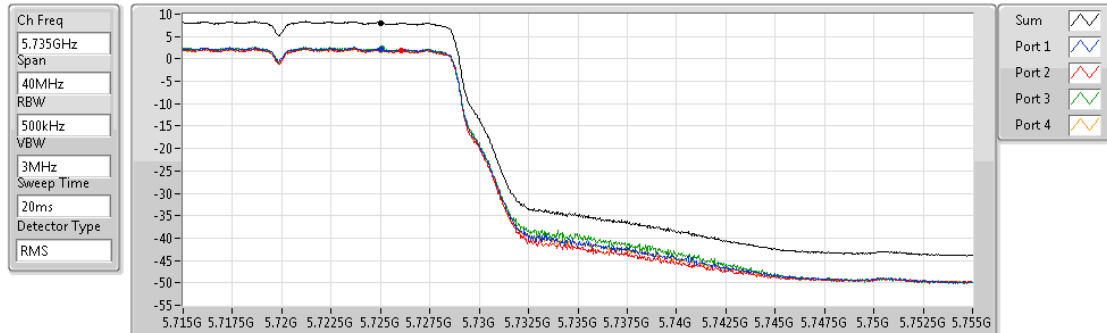


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.86	9.86	4.02	3.73	4.15	3.71

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

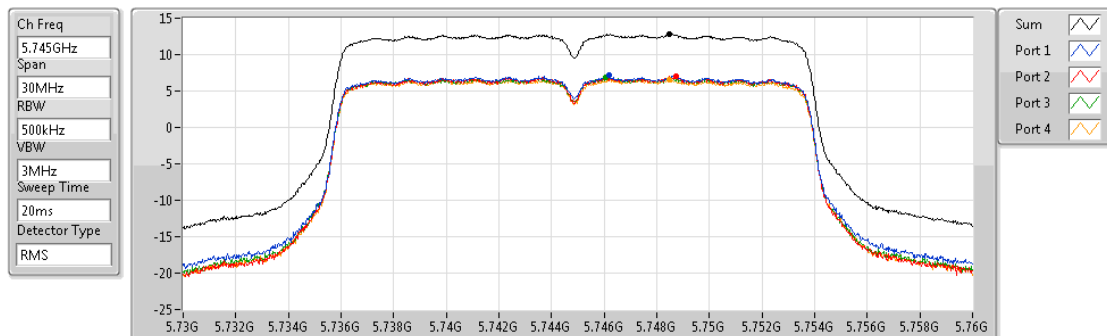


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
8.05	8.05	2.13	1.94	2.26	1.96

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5745MHz

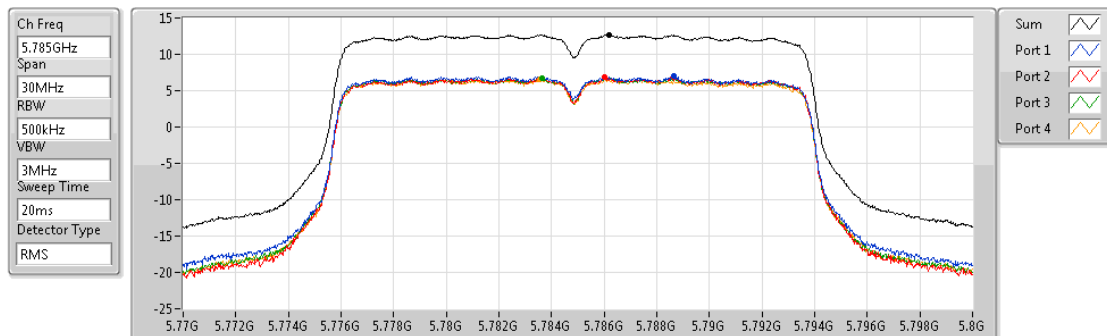


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.78	12.78	7.11	6.98	6.88	6.56

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5785MHz

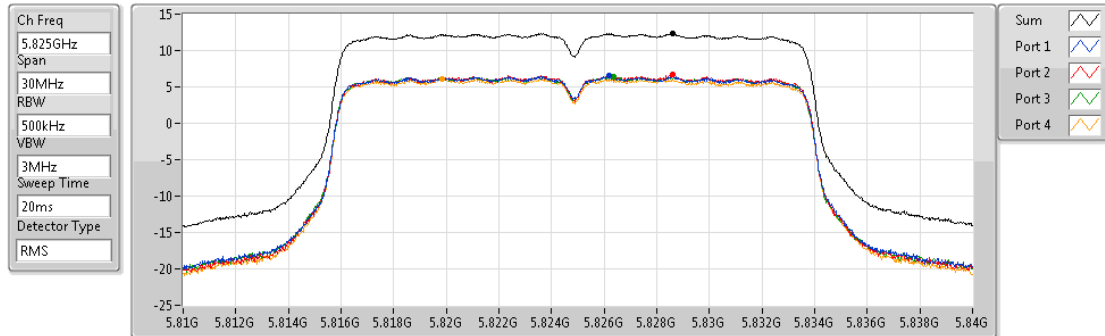


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.66	12.66	6.96	6.80	6.66	6.59

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

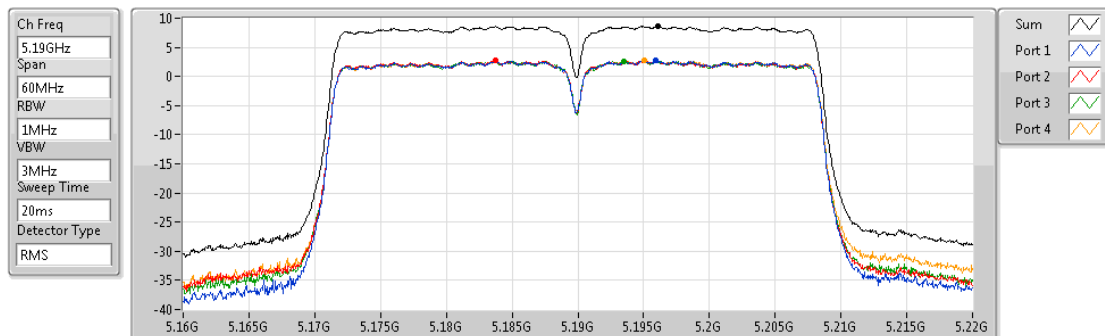


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.31	12.31	6.53	6.68	6.39	6.08

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

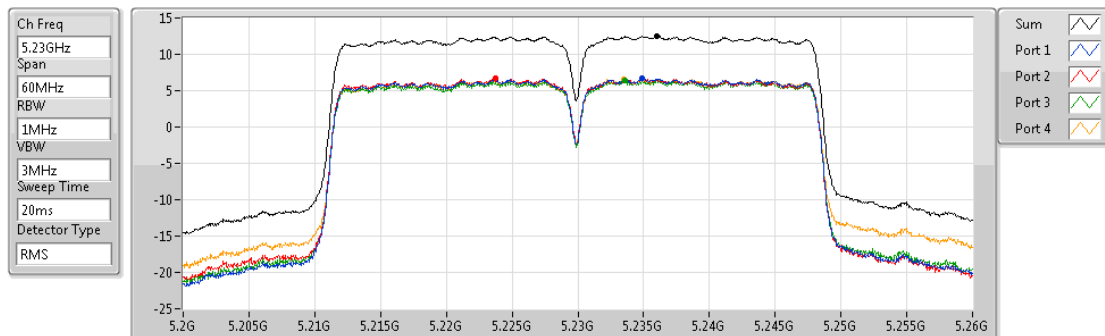


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.66	8.66	2.69	2.73	2.61	2.71

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

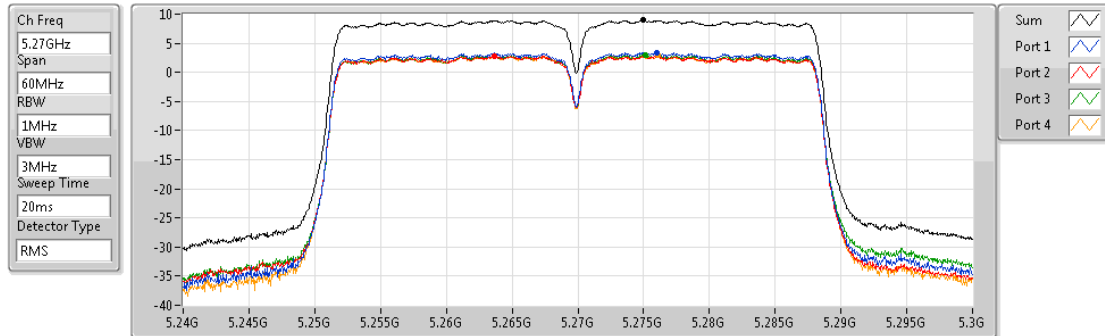


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.50	12.50	6.70	6.66	6.36	6.59

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5270MHz

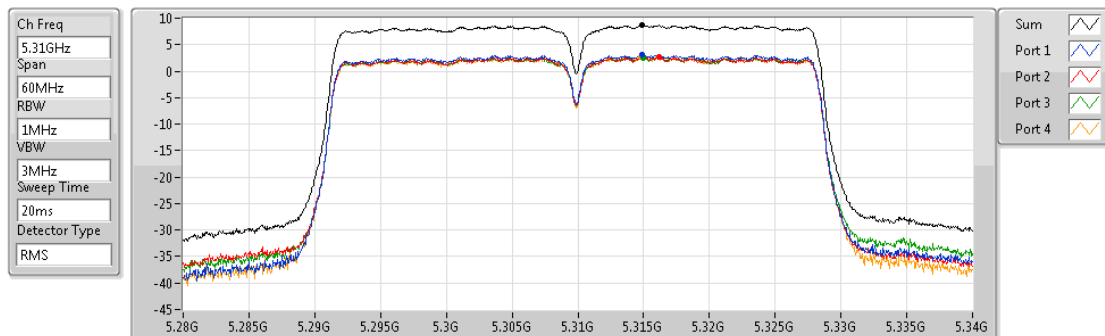


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.95	8.95	3.36	2.81	2.99	2.88

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5310MHz

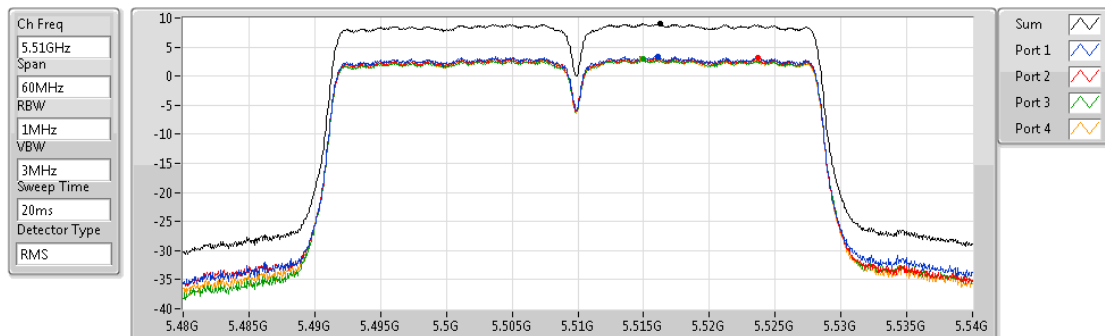


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.65	8.65	3.06	2.65	2.52	2.59

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

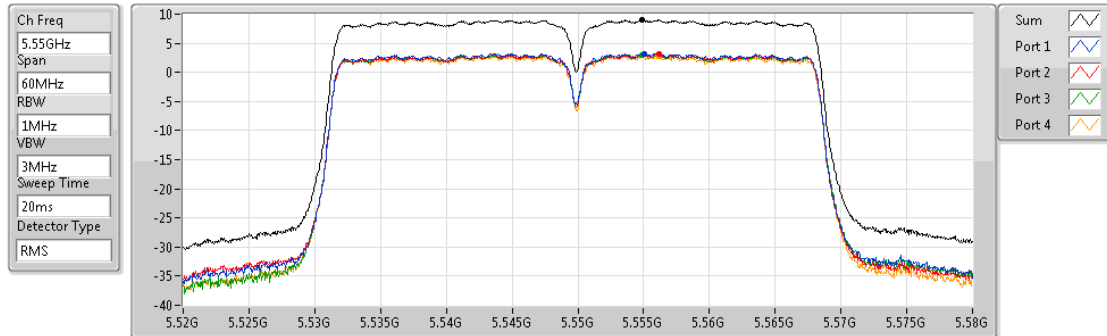


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.96	8.96	3.36	3.15	2.91	2.95

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

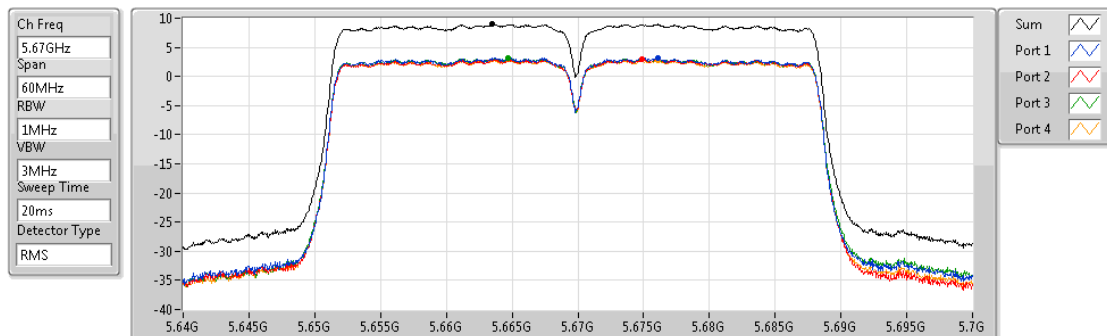


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.00	9.00	3.26	3.10	3.04	2.79

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

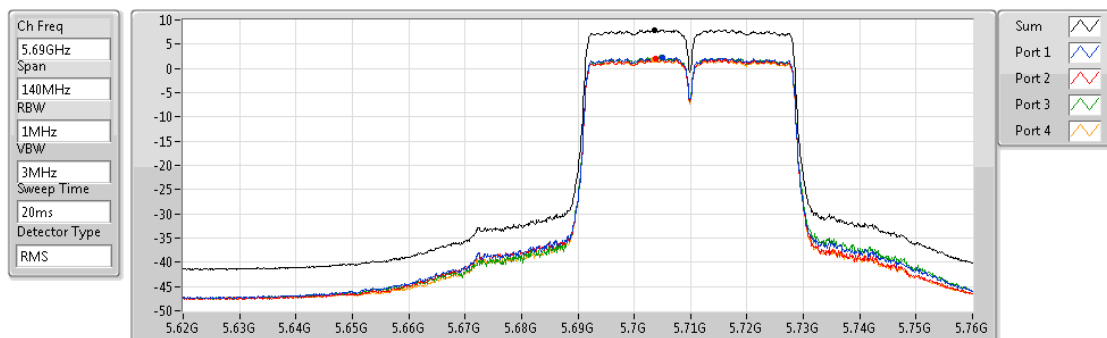


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
8.95	8.95	3.26	2.97	3.07	2.78

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

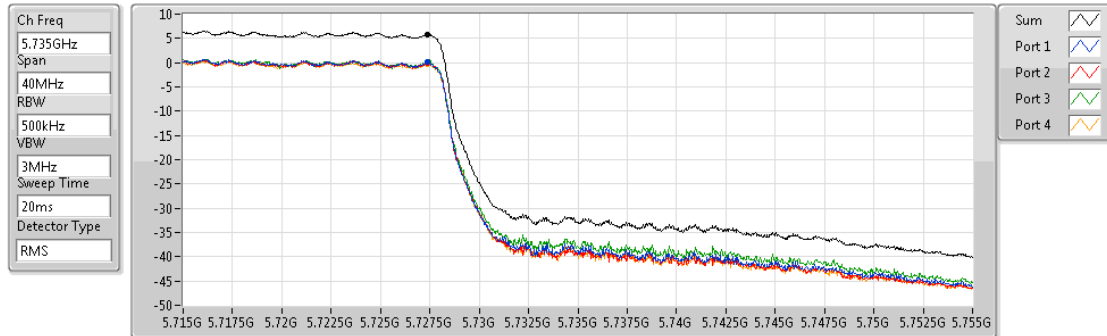


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.98	7.98	2.23	1.96	2.20	1.68

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

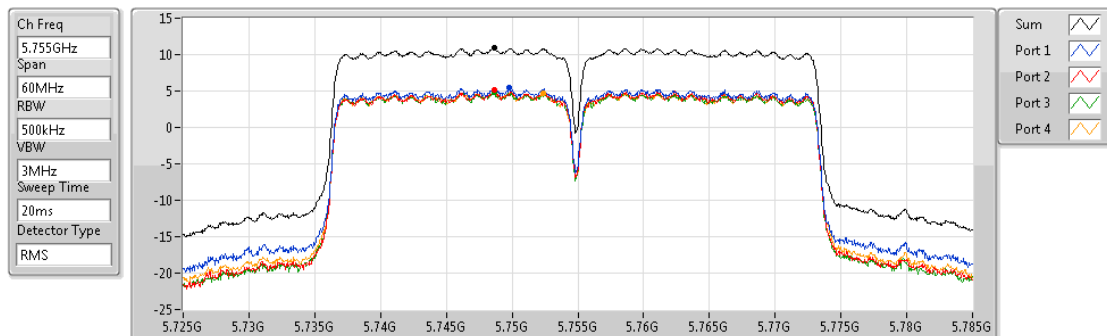


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	0.17	-0.06	0.12	-0.40

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5755MHz

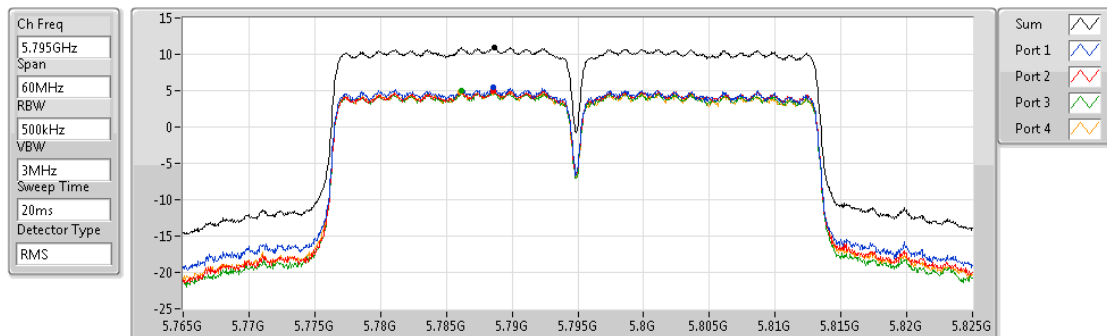


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.93	10.93	5.43	5.17	4.87	4.72

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5795MHz

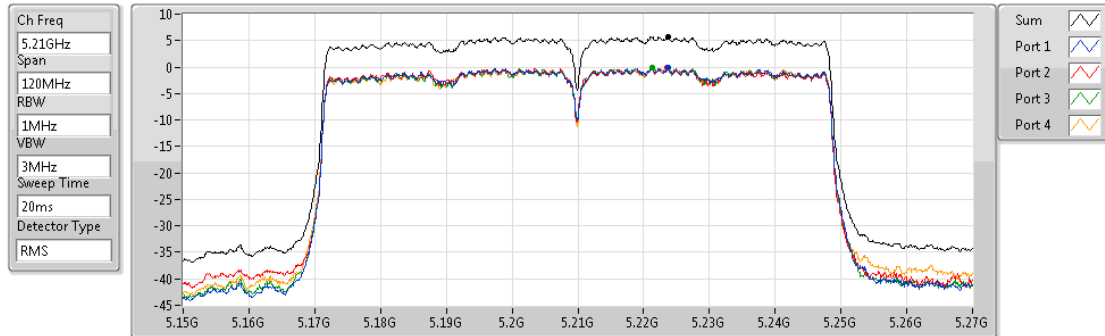


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.90	10.90	5.41	5.04	4.93	4.88

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

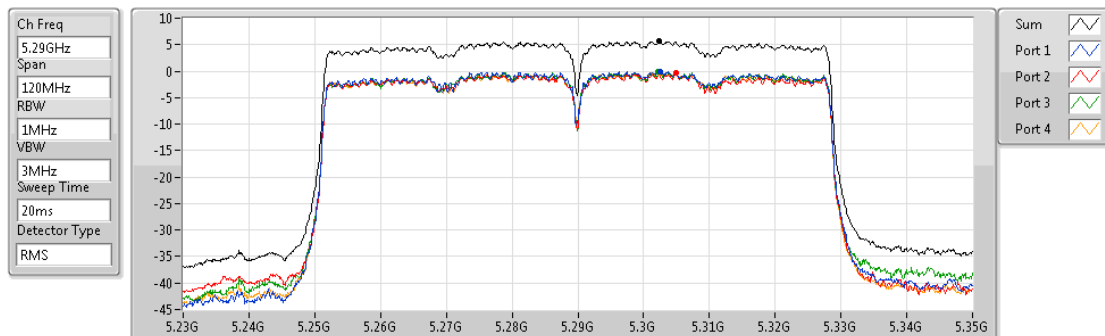


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
5.68	5.68	-0.20	-0.01	-0.18	-0.14

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5290MHz

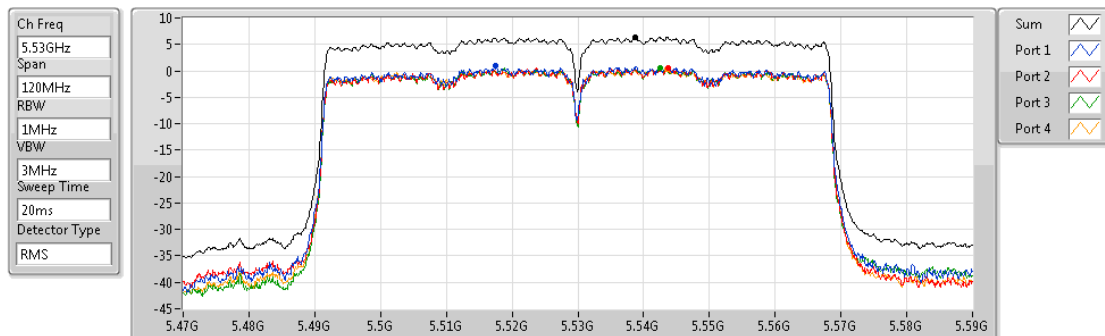


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
5.65	5.65	-0.03	-0.42	-0.14	-0.25

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

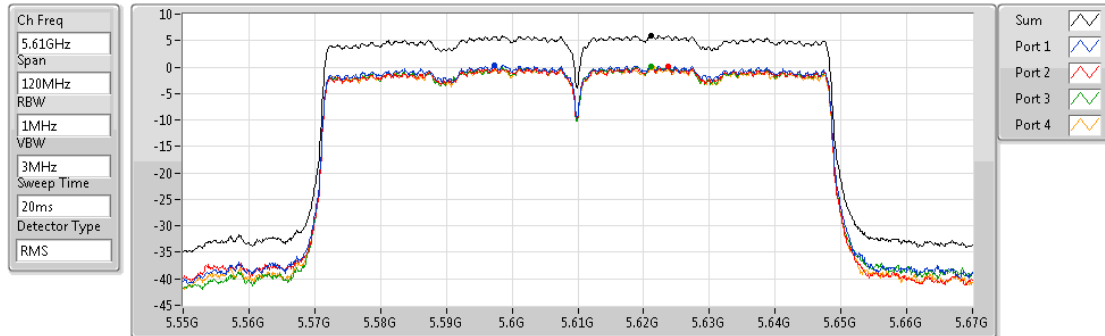


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
6.41	6.41	0.92	0.60	0.46	0.36

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

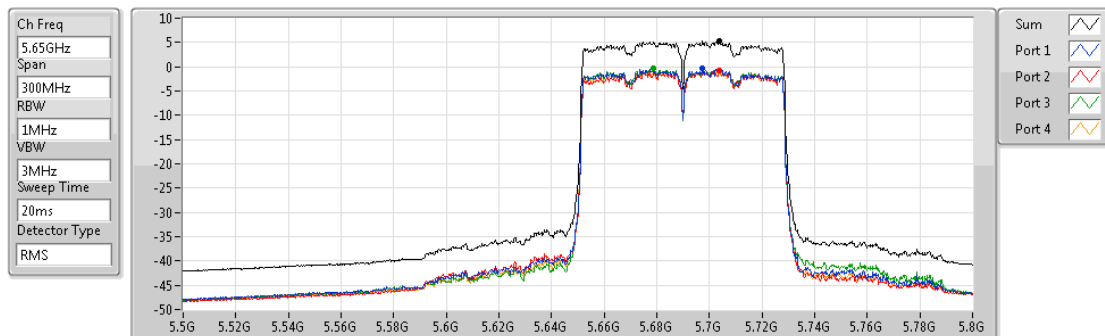


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.99	5.99	0.31	0.10	0.09	-0.07

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

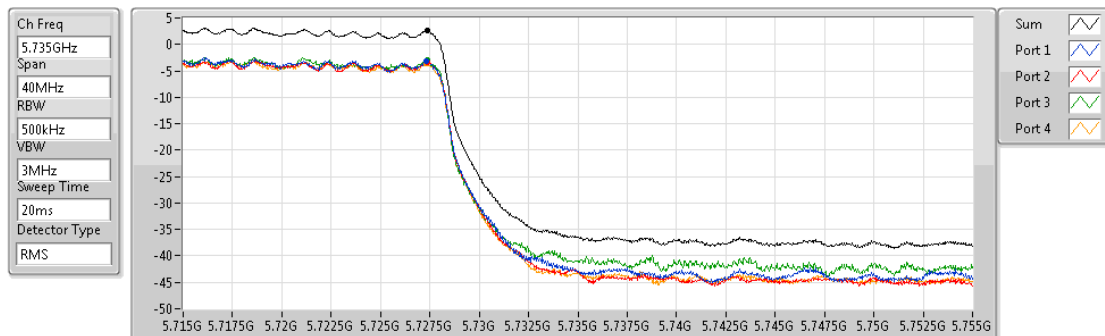


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.24	5.24	-0.37	-0.71	-0.36	-0.92

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

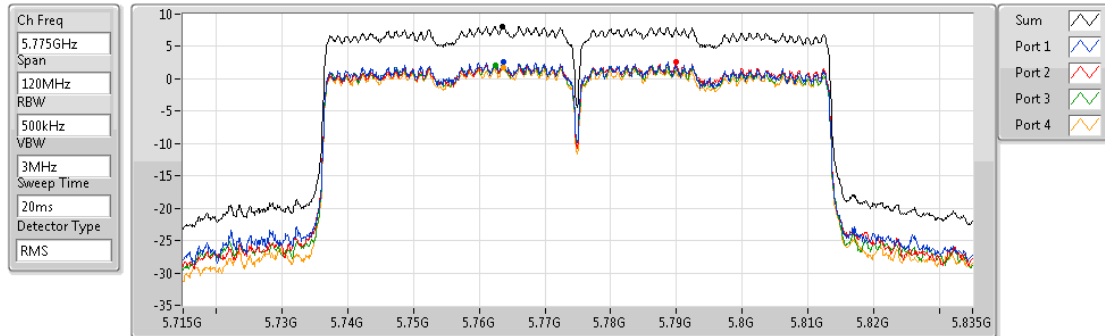


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.66	2.66	-3.20	-3.35	-3.04	-3.51

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

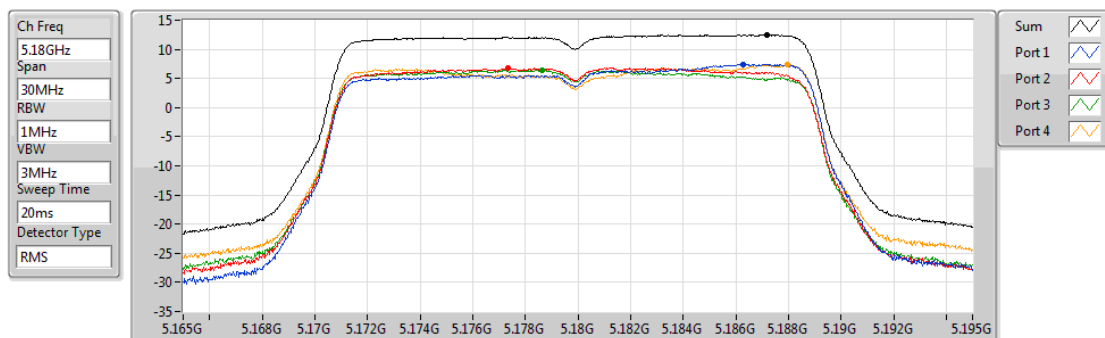


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.13	8.13	2.65	2.60	2.16	1.70

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

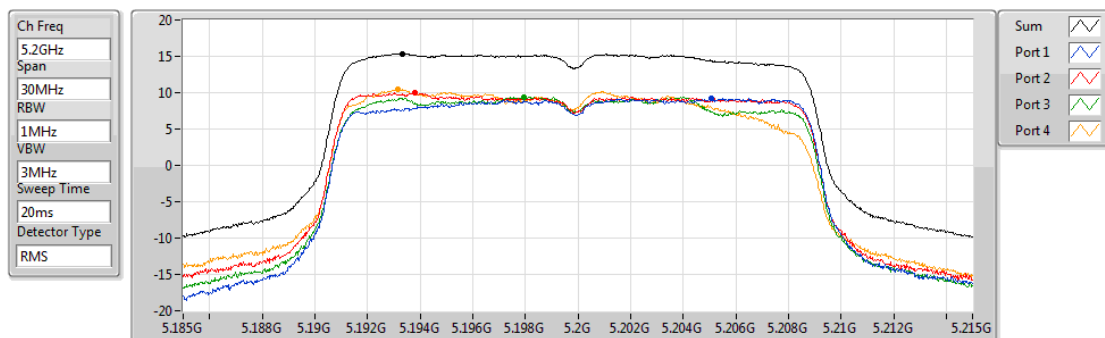


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.51	12.51	7.47	6.82	6.44	7.33

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

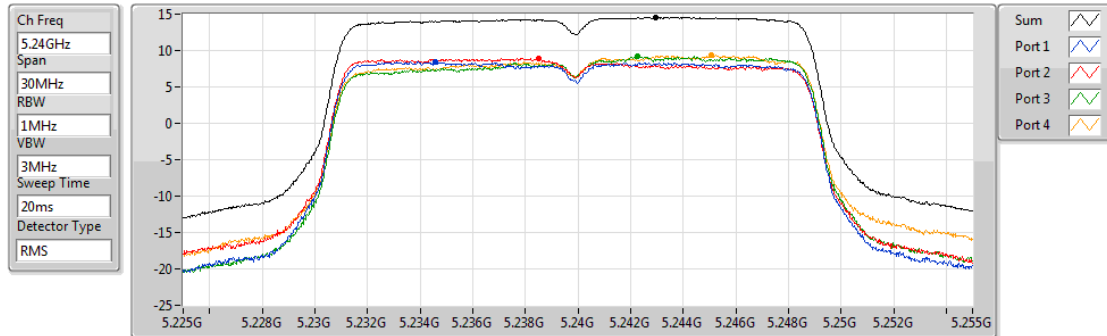


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
15.39	15.39	9.15	9.99	9.42	10.40

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

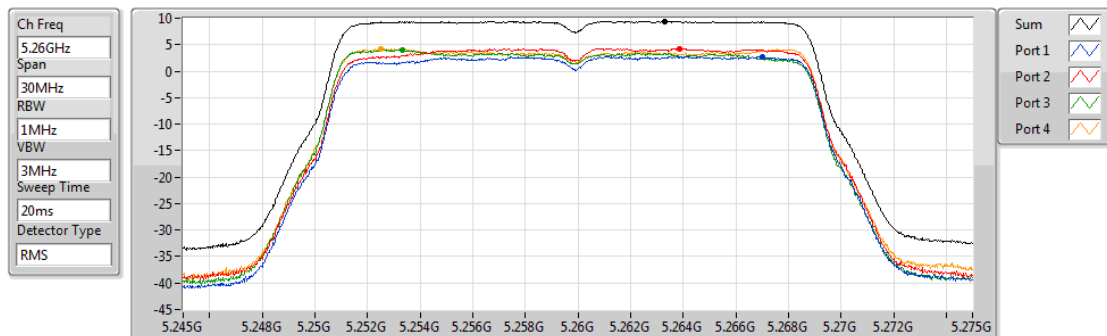


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.56	14.56	8.40	8.94	9.23	9.32

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

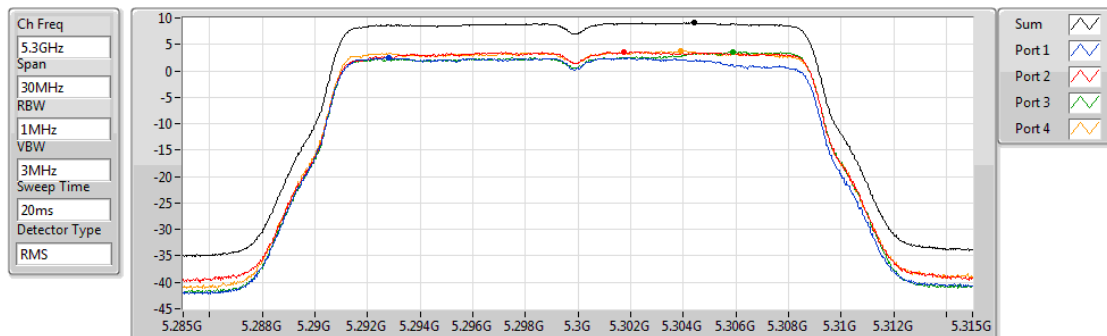


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.39	9.39	2.75	4.30	4.09	4.28

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.09	9.09	2.53	3.59	3.64	3.77



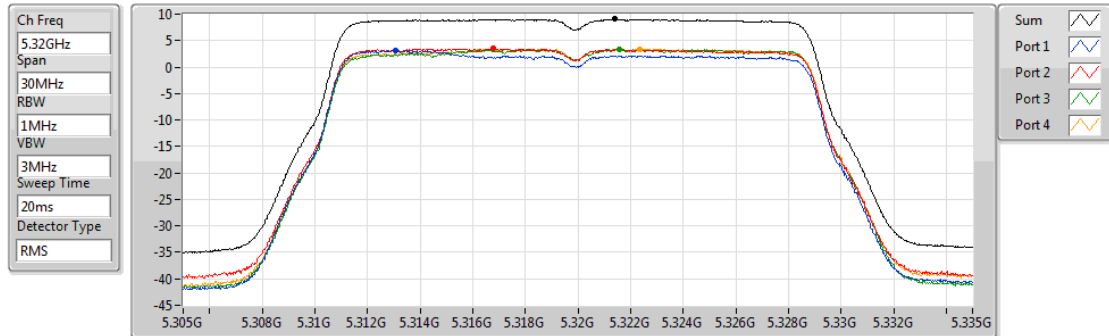
PSD Result For Master Mode Band 1~4 and Client Mode Band 2~4

Appendix D.1

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

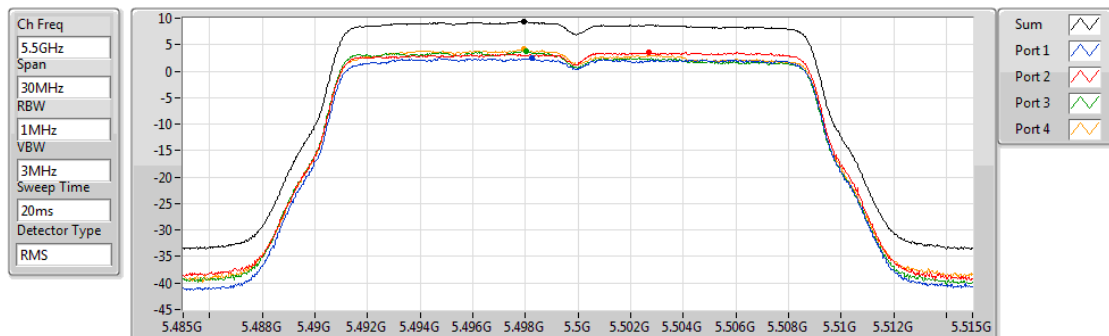


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
9.03	9.03	3.17	3.48	3.35	3.40

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

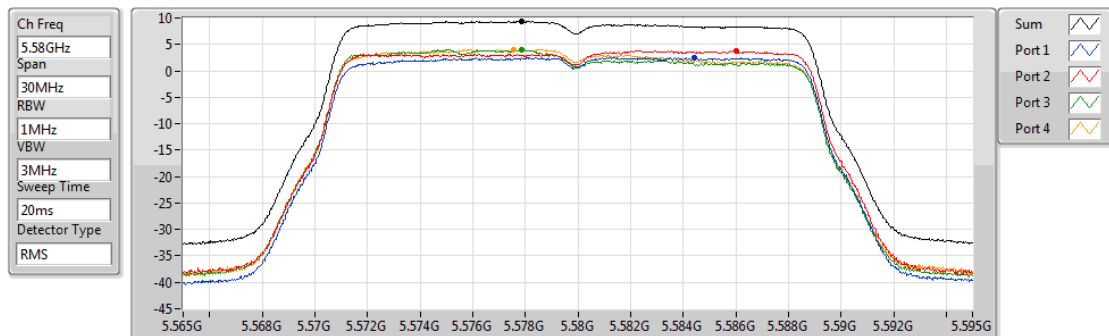


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
9.39	9.39	2.44	3.55	3.80	4.19

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

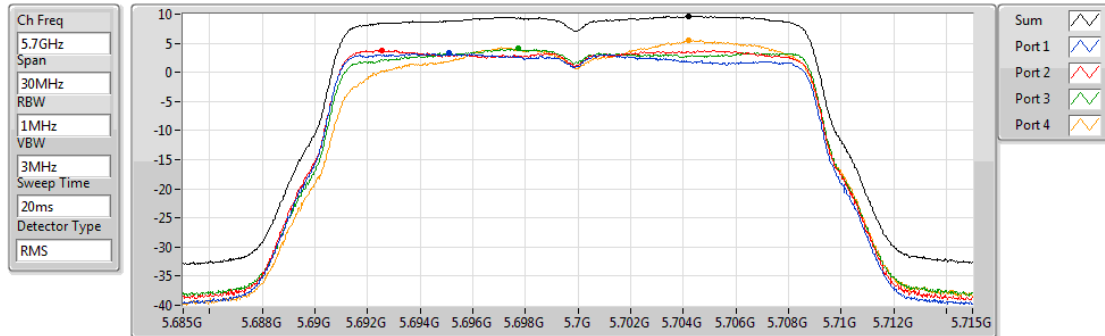


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
9.35	9.35	2.56	3.79	3.96	4.04

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

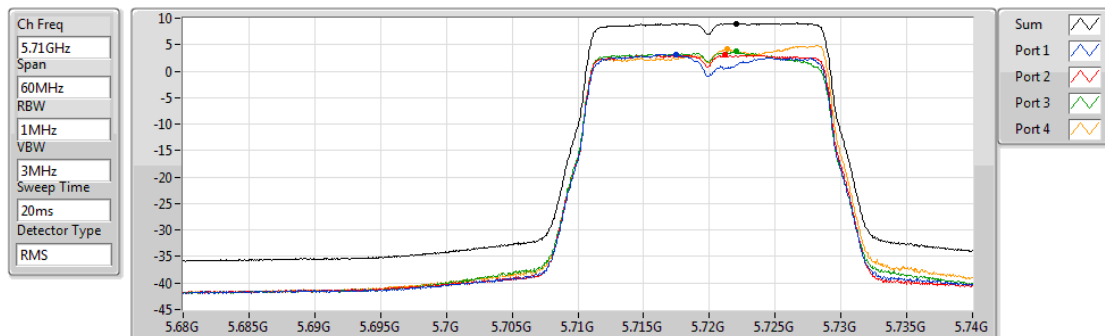


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.64	9.64	3.30	3.82	4.07	5.49

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

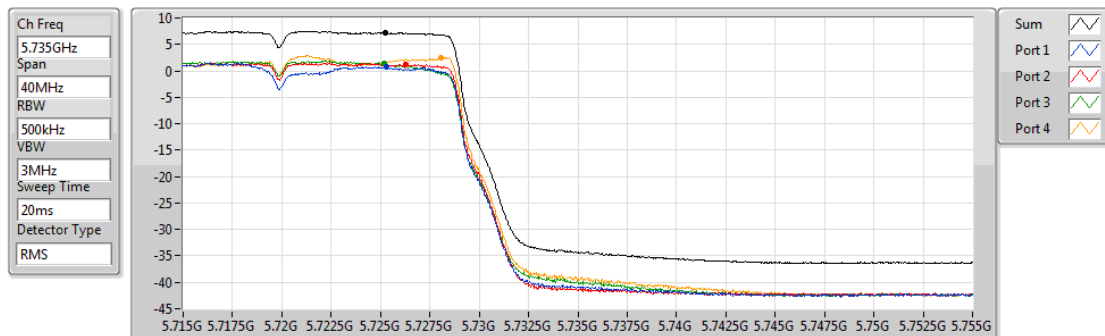


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.00	9.00	3.15	3.04	3.69	4.14

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

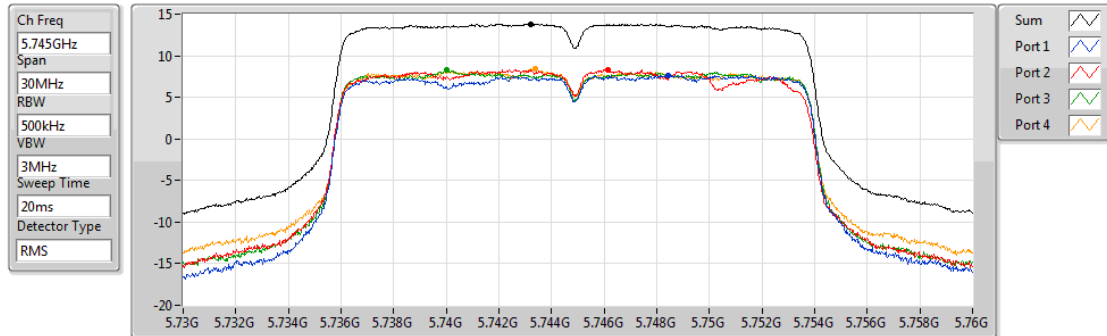


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.18	7.18	0.66	1.16	1.38	2.54

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

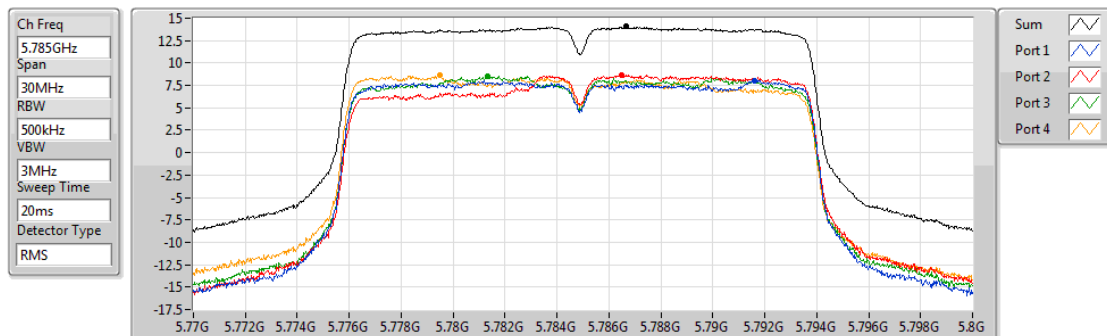


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.83	13.83	7.64	8.32	8.32	8.42

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

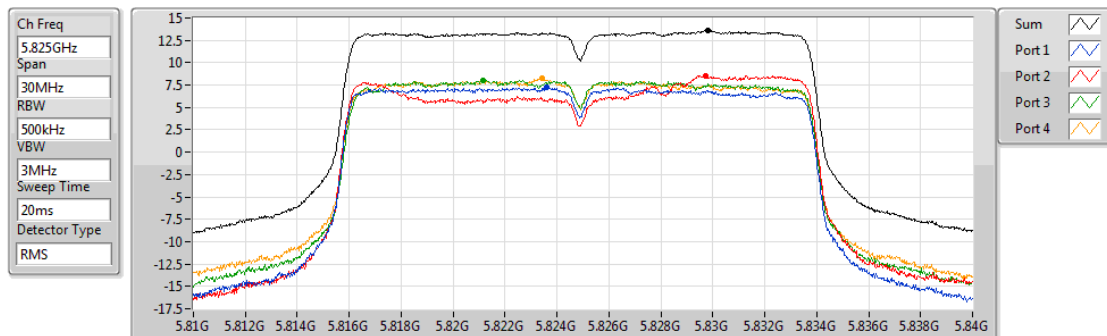


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.05	14.05	8.02	8.68	8.51	8.62

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

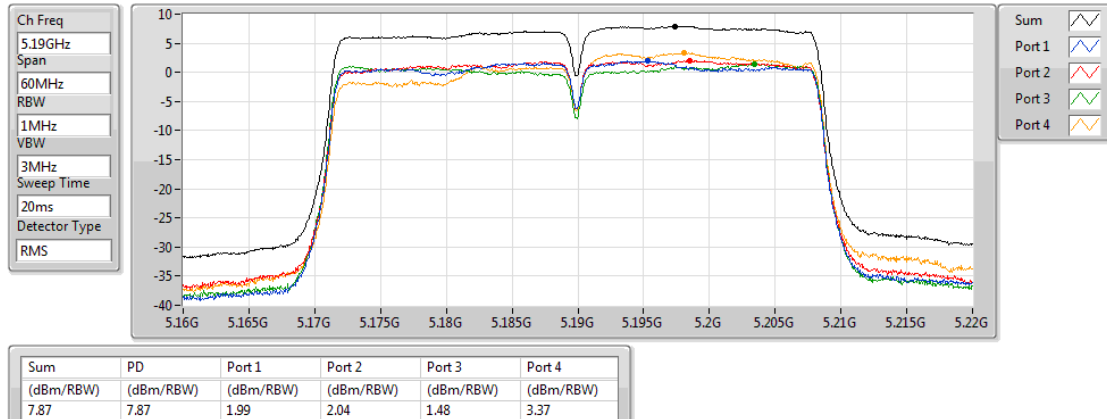


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.58	13.58	7.24	8.59	8.06	8.29

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

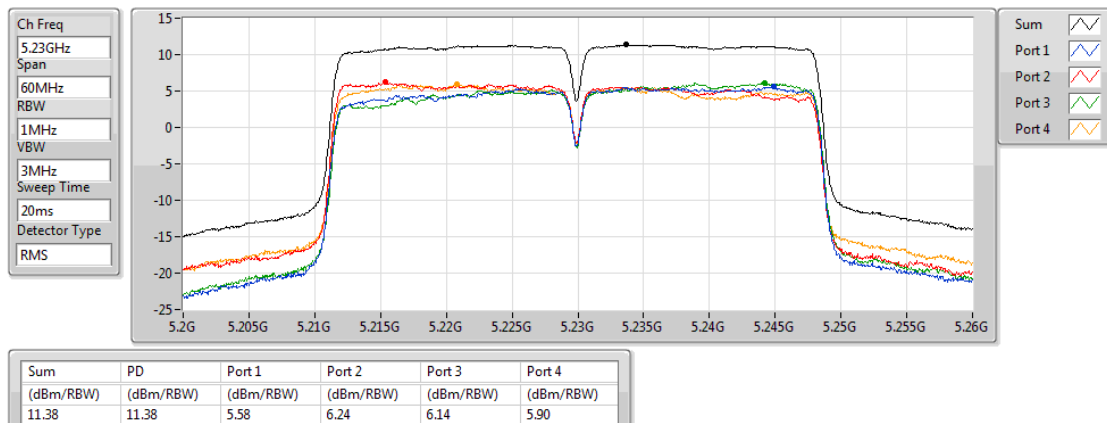
5190MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

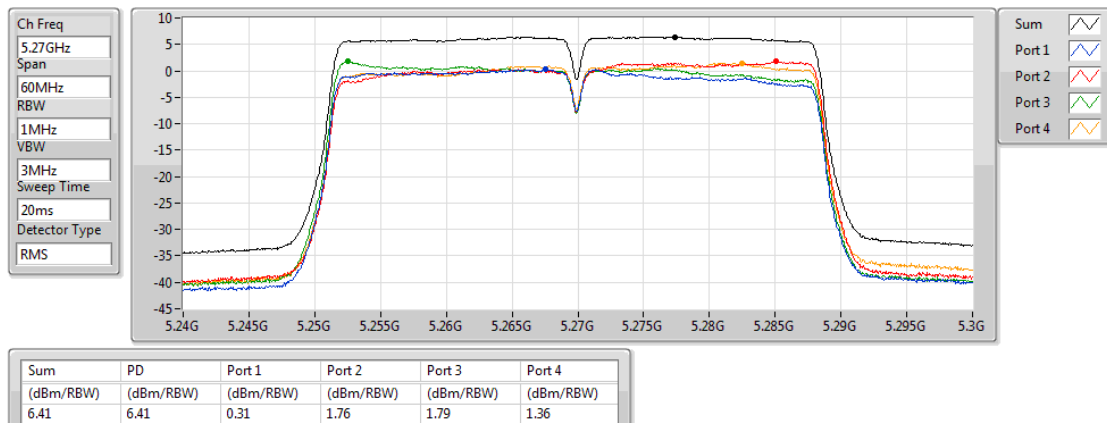
5230MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

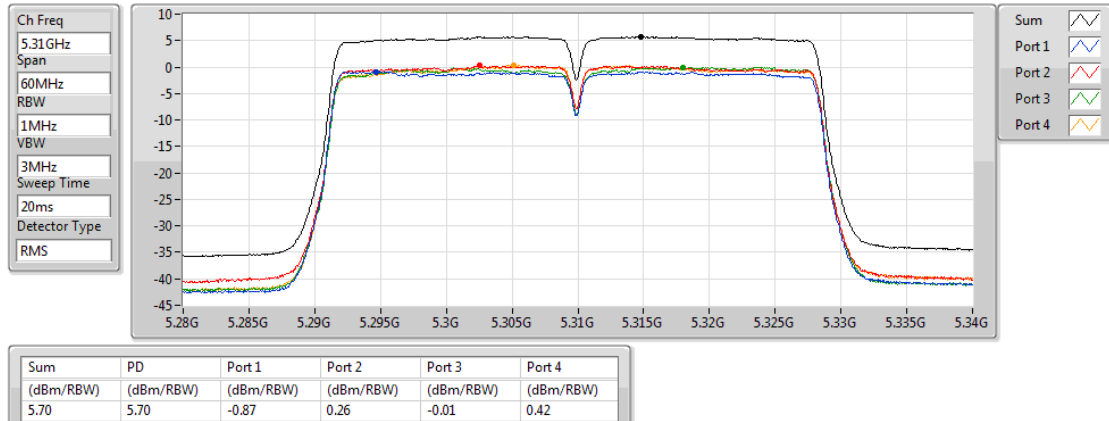
5270MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

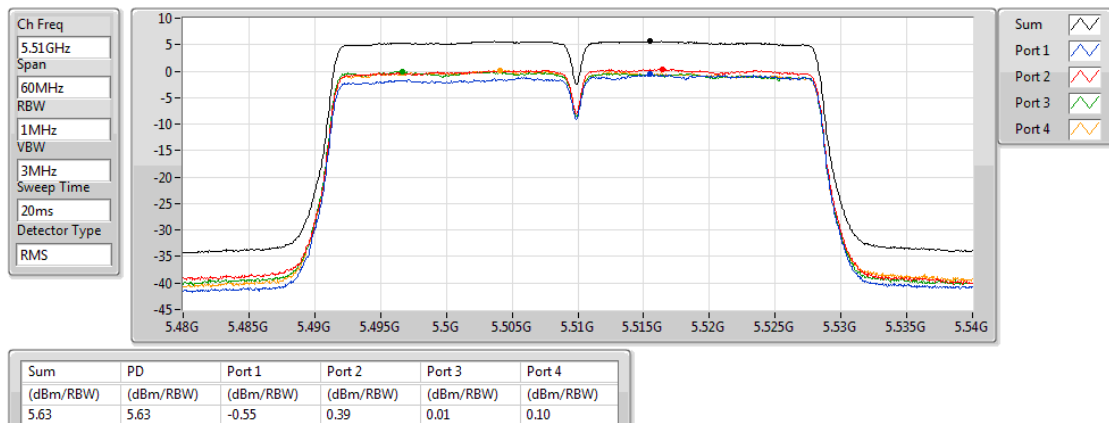
5310MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

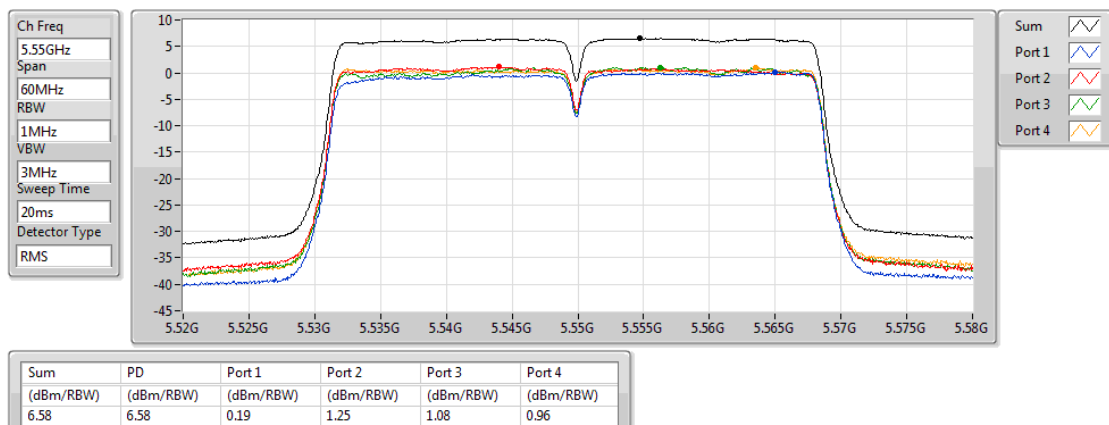
5510MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

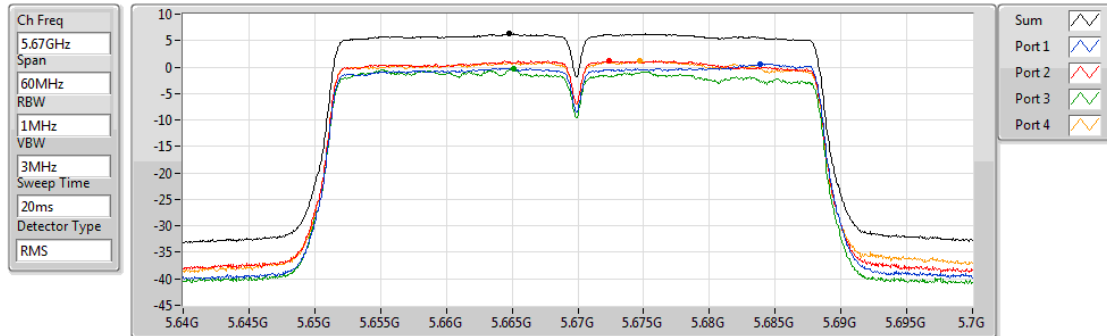
5550MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

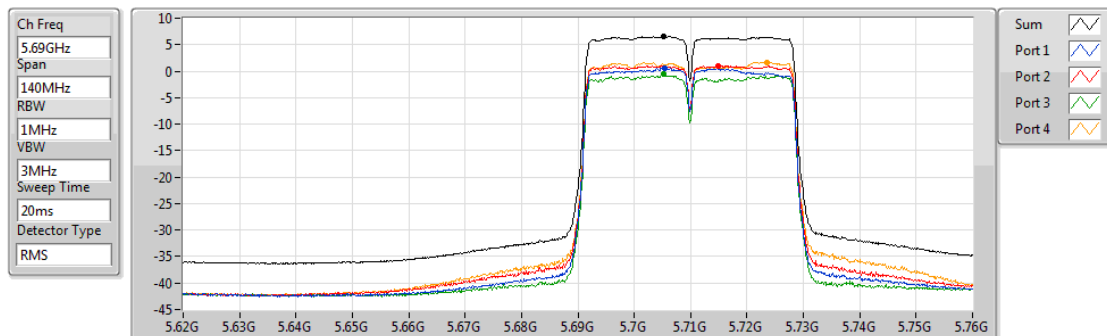


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.27	6.27	0.60	1.26	-0.25	1.10

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

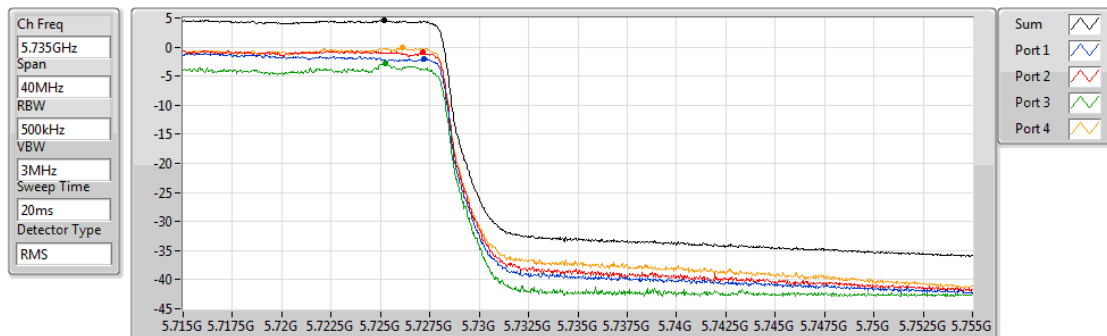


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.64	6.64	0.57	1.03	-0.42	1.72

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

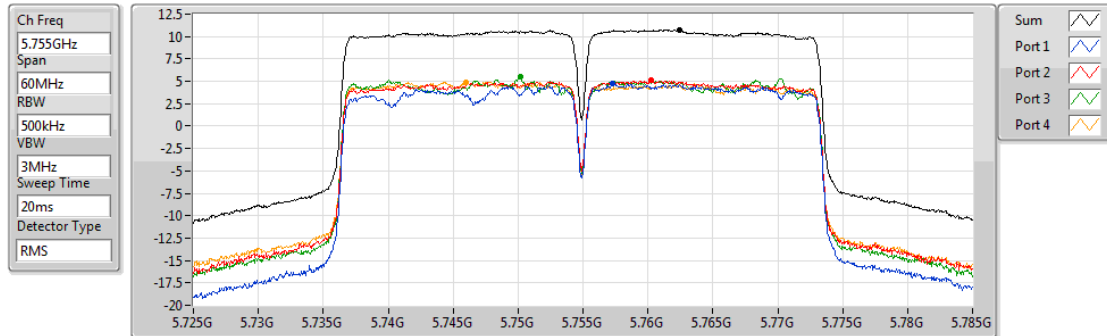


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.58	4.58	-2.03	-0.91	-2.77	-0.16

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

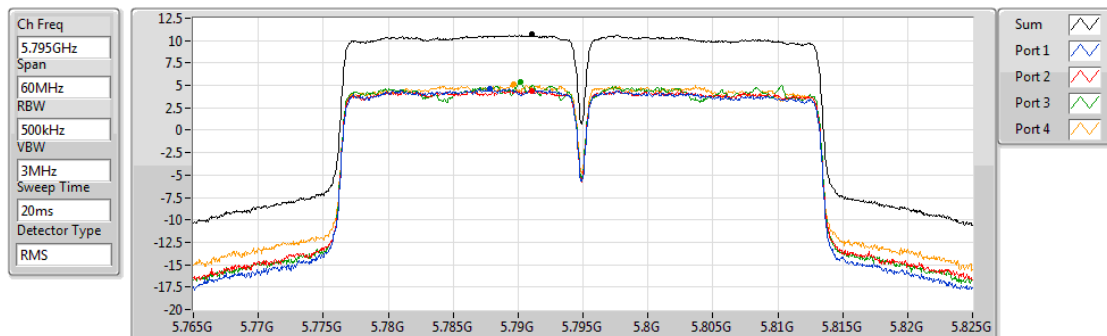


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.76	10.76	4.78	5.12	5.53	4.91

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

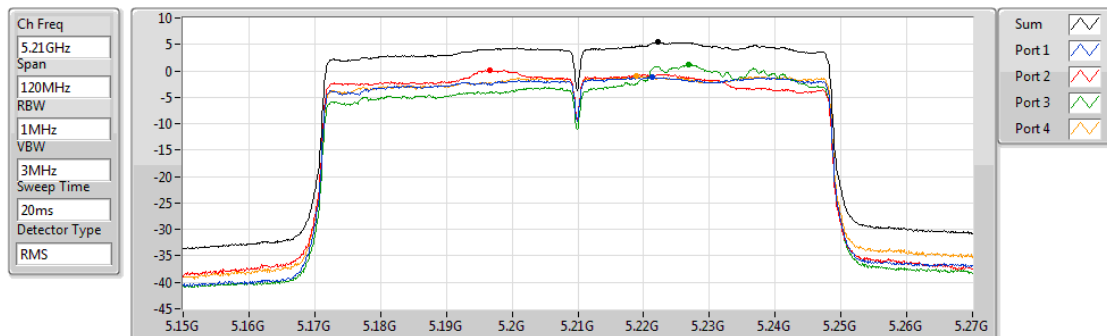


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.71	10.71	4.64	4.41	5.44	5.10

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

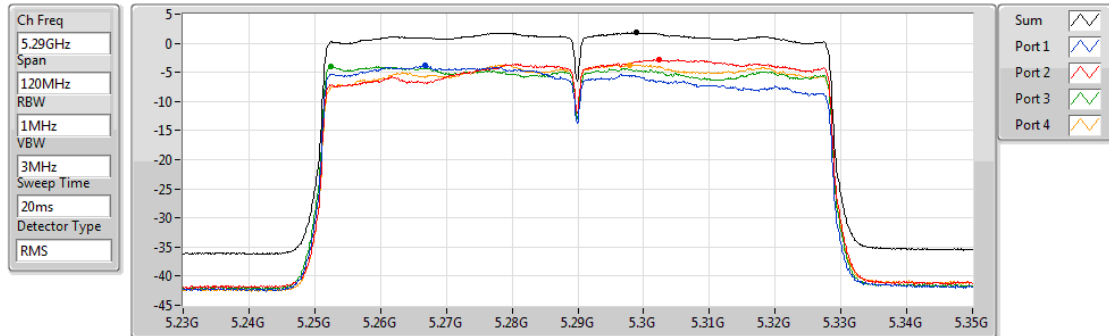


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.45	5.45	-1.21	0.08	1.13	-1.04

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

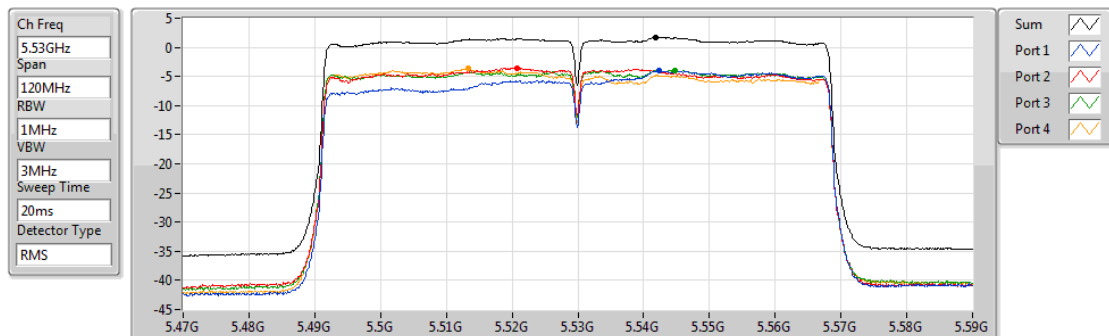


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.80	1.80	-3.82	-2.87	-3.89	-3.70

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

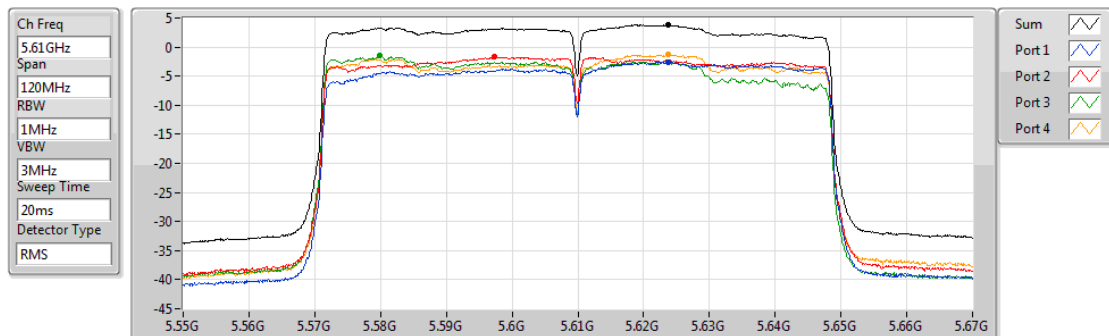


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.76	1.76	-4.04	-3.52	-3.96	-3.61

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

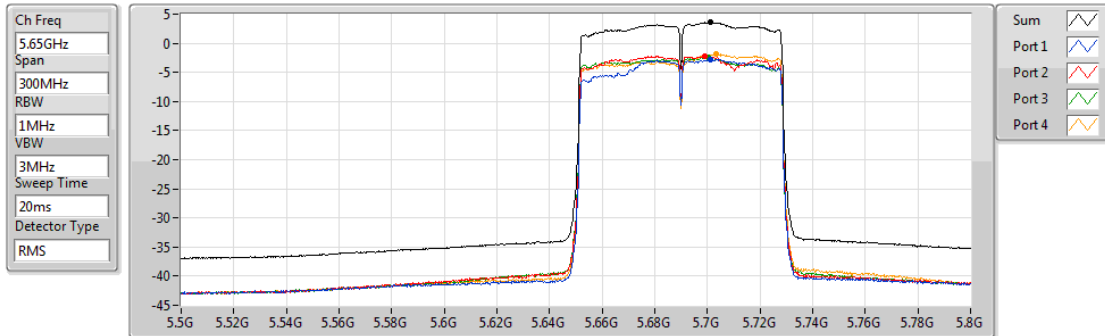


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.85	3.85	-2.61	-1.73	-1.43	-1.28

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

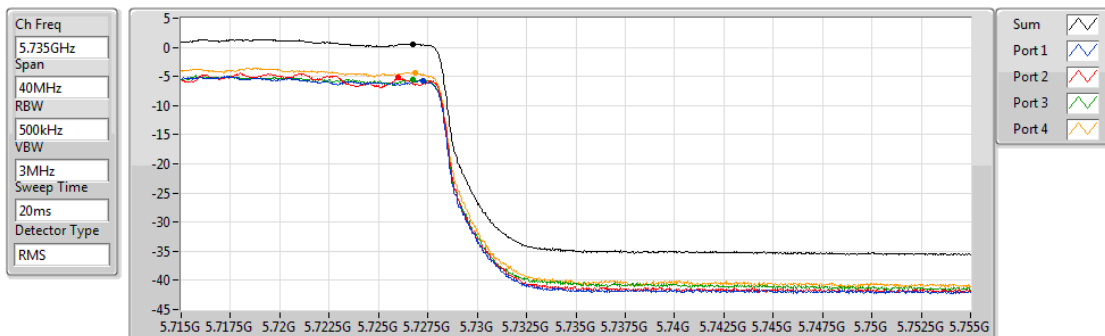


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.57	3.57	-2.76	-2.24	-2.42	-1.90

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

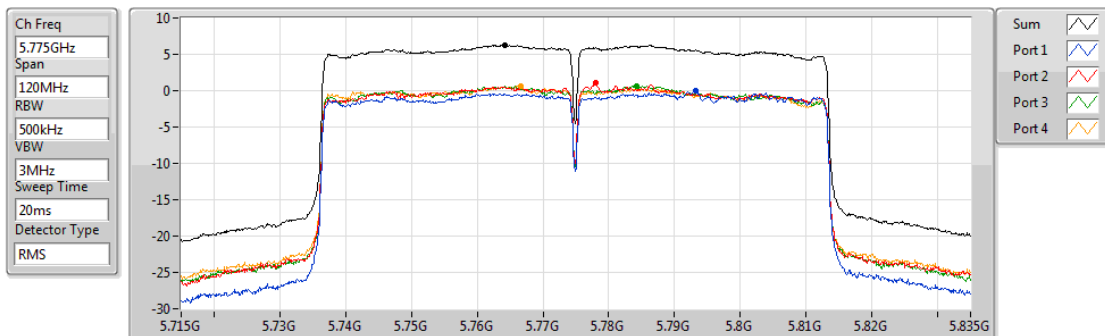


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.56	0.56	-5.67	-5.25	-5.57	-4.35

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.31	6.31	-0.01	1.02	0.67	0.61

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-
5.15-5.25GHz	9.38	16.98
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	9.39	16.99
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	8.95	16.55
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	5.68	13.28
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	9.2	16.80
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	7.55	15.15
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-
5.15-5.25GHz	4.42	12.02

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	3.6	3.14	3.33	3.48	9.33	9.40
5200MHz	Pass	7.60	3.61	3.28	3.39	3.46	9.38	9.40
5240MHz	Pass	7.60	3.09	2.88	3.03	3.21	8.99	9.40
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	3.3	2.86	3.26	3.38	9.10	9.40
5200MHz	Pass	7.60	3.63	2.92	3.34	3.27	9.20	9.40
5240MHz	Pass	7.60	3.64	3.14	3.33	3.69	9.39	9.40
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.60	2.69	2.73	2.61	2.71	8.66	9.40
5230MHz	Pass	7.60	3.12	2.88	3.04	3.17	8.95	9.40
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.60	-0.2	-0.01	-0.18	-0.14	5.68	9.40
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.60	2.5	2.95	2.49	2.67	8.51	9.40
5200MHz	Pass	7.60	2.75	3.53	2.95	3.49	9.04	9.40
5240MHz	Pass	7.60	2.88	3.31	3.68	3.59	9.20	9.40
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.60	1.11	1.67	1.11	1.4	7.21	9.40
5230MHz	Pass	7.60	1.13	2.01	1.67	1.89	7.55	9.40
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.60	-1.53	-0.27	-1.33	-1.32	4.42	9.40

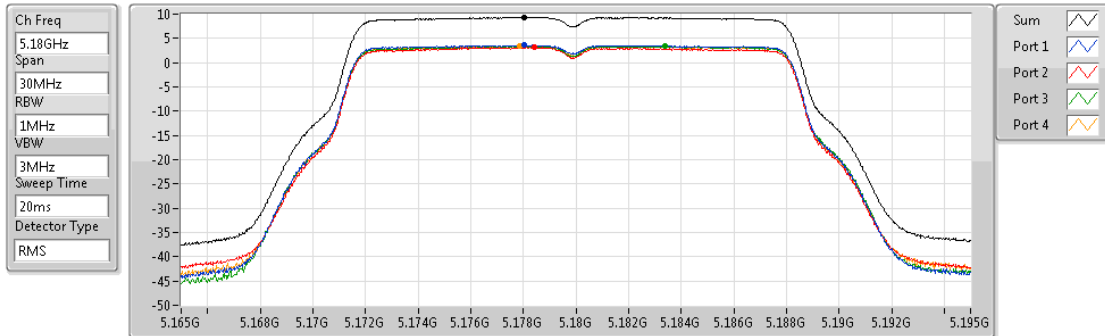
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11a_(6Mbps)_4TX

PSD

5180MHz

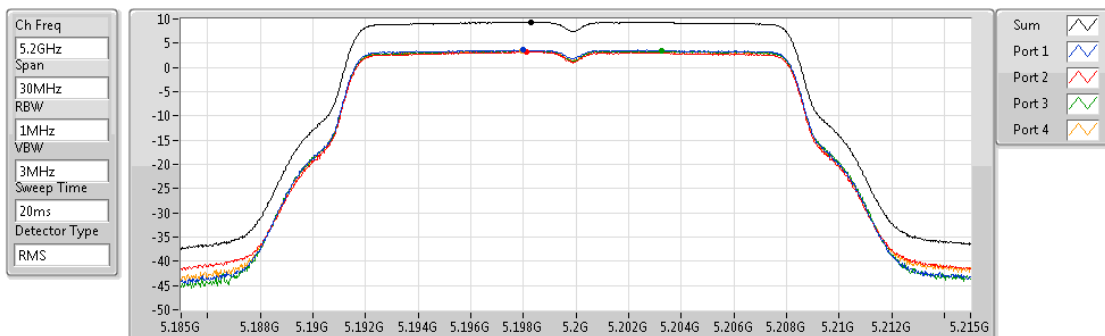


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.33	9.33	3.60	3.14	3.33	3.48

802.11a_(6Mbps)_4TX

PSD

5200MHz

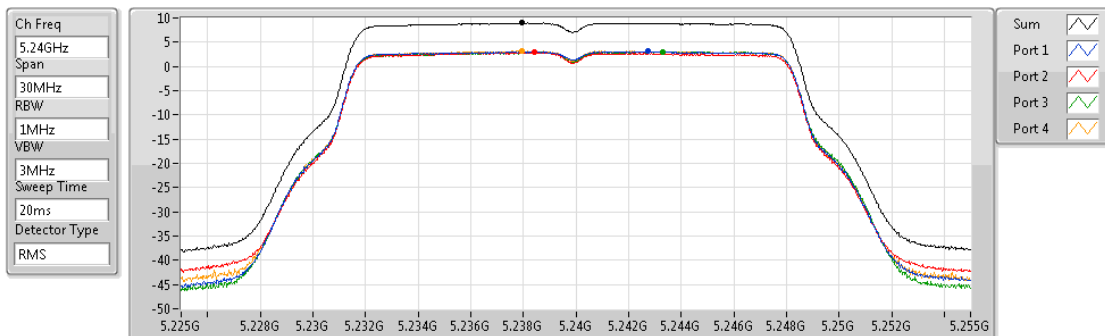


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.38	9.38	3.61	3.28	3.39	3.46

802.11a_(6Mbps)_4TX

PSD

5240MHz

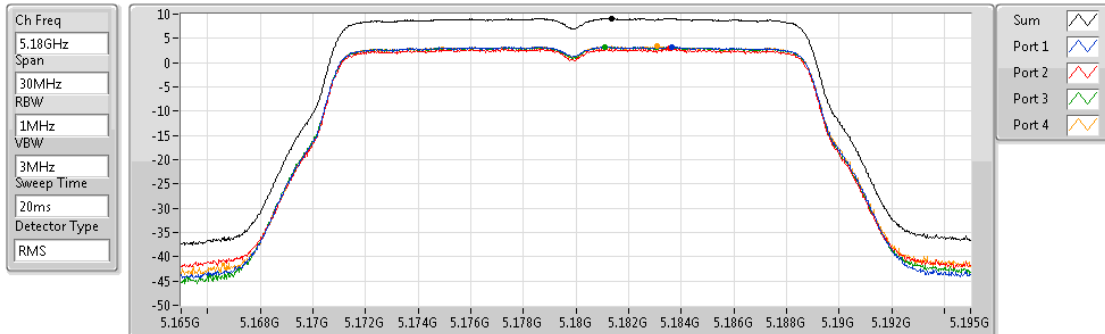


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	3.09	2.88	3.03	3.21

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

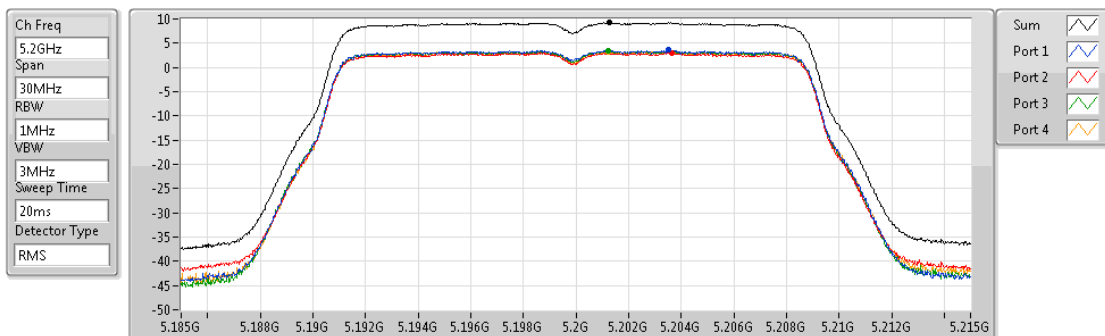


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.10	9.10	3.30	2.86	3.26	3.38

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

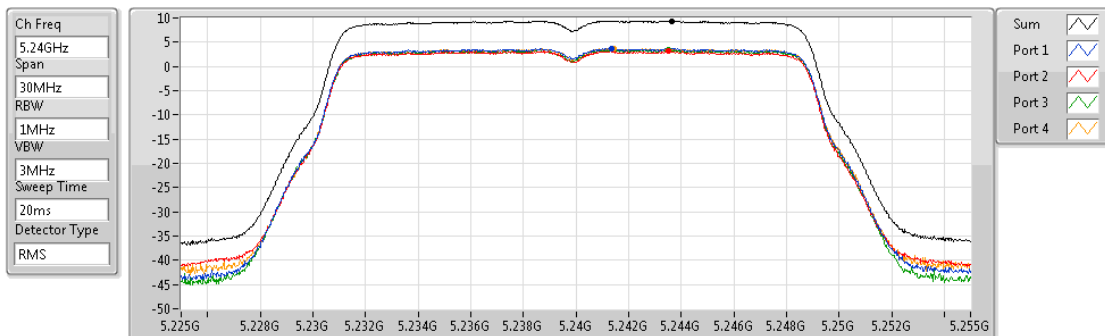


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.20	9.20	3.63	2.92	3.34	3.27

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

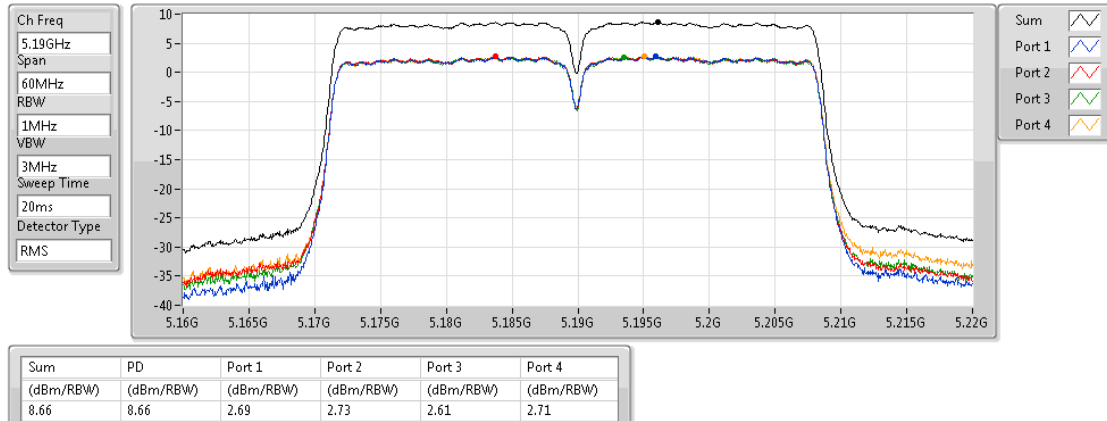


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.39	9.39	3.64	3.14	3.33	3.69

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

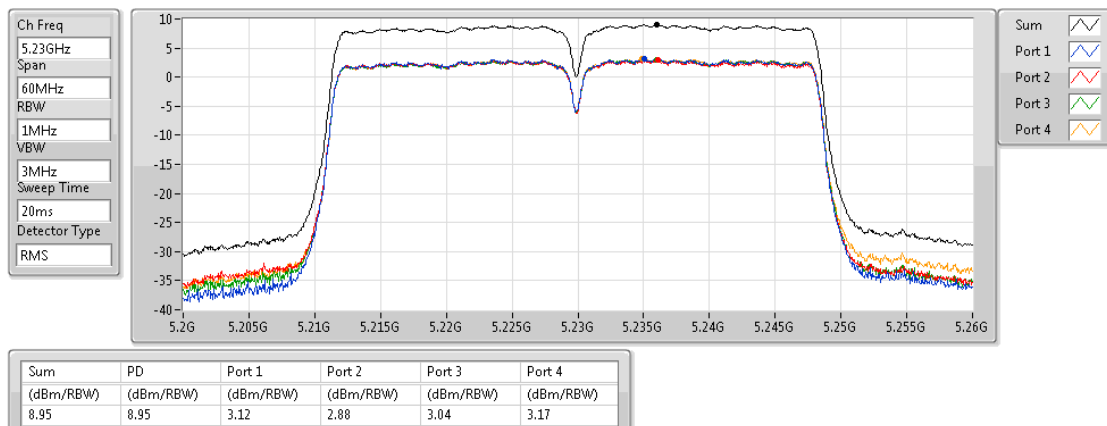
5190MHz



802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

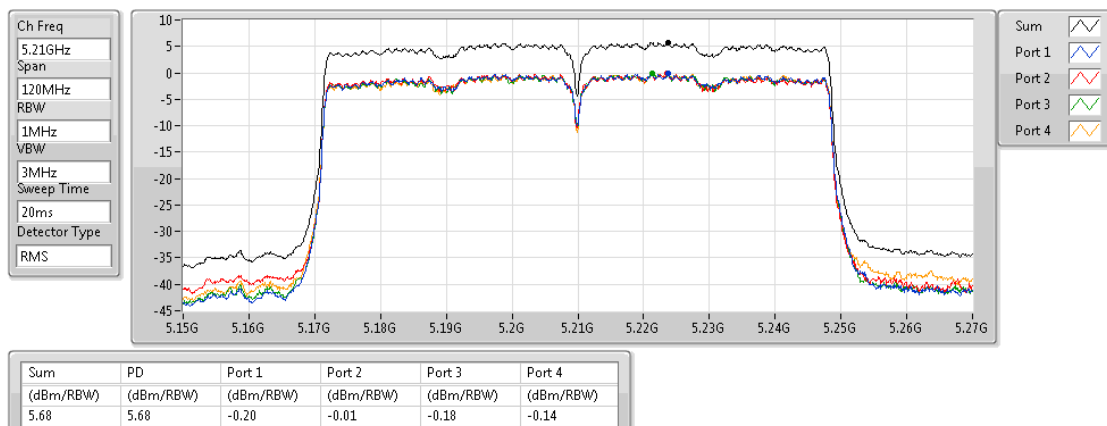
5230MHz



802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

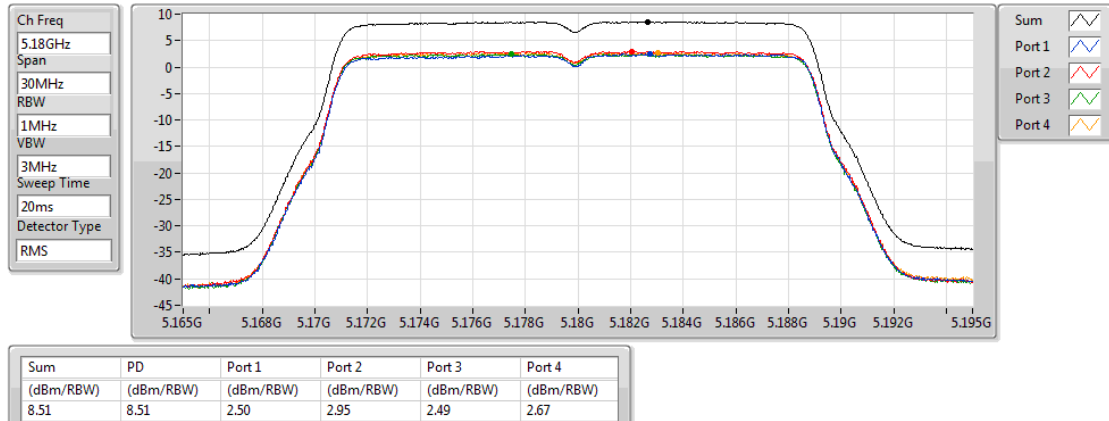
5210MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

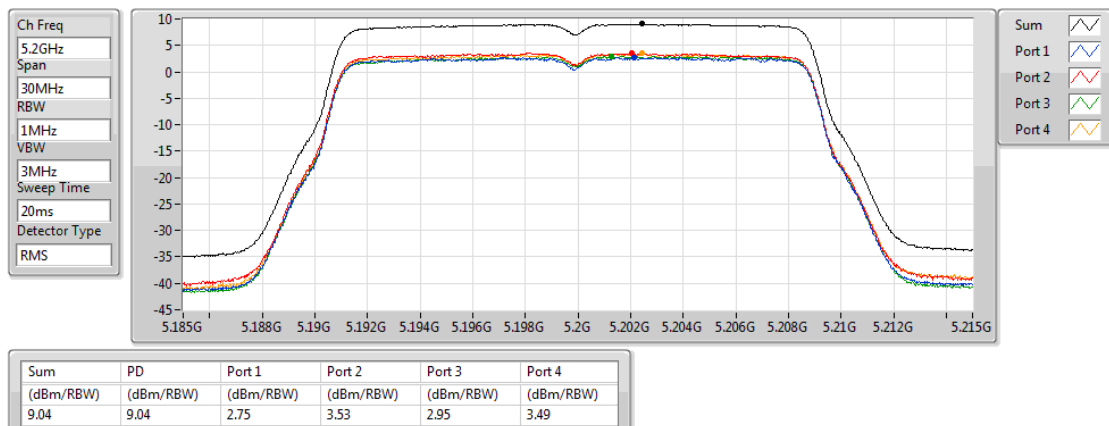
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

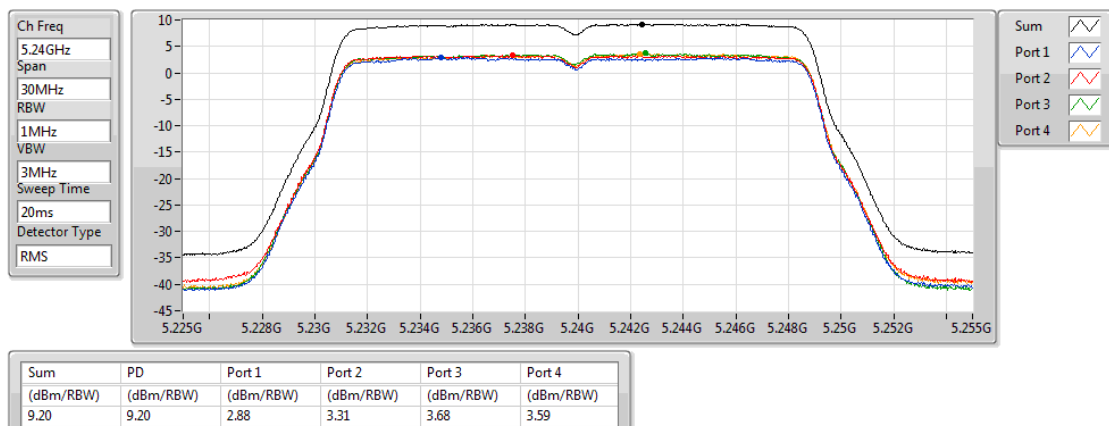
5200MHz



802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

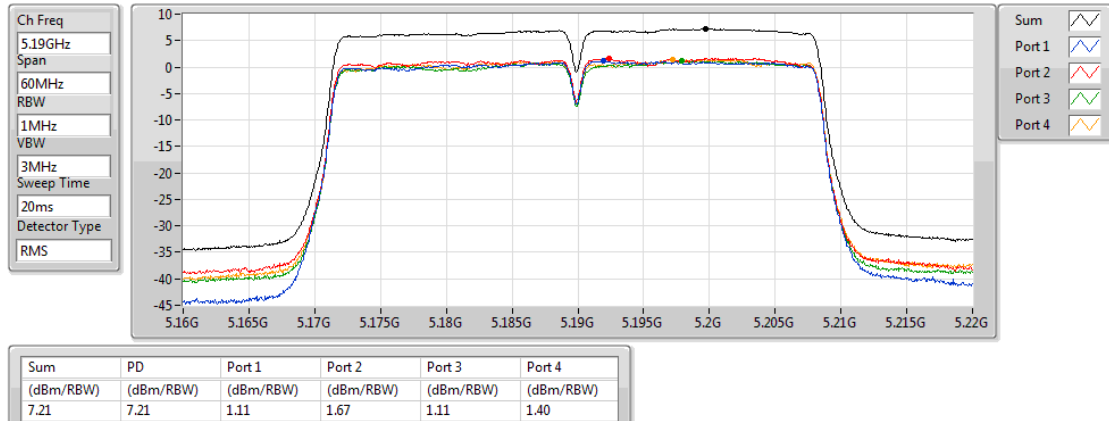
5240MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

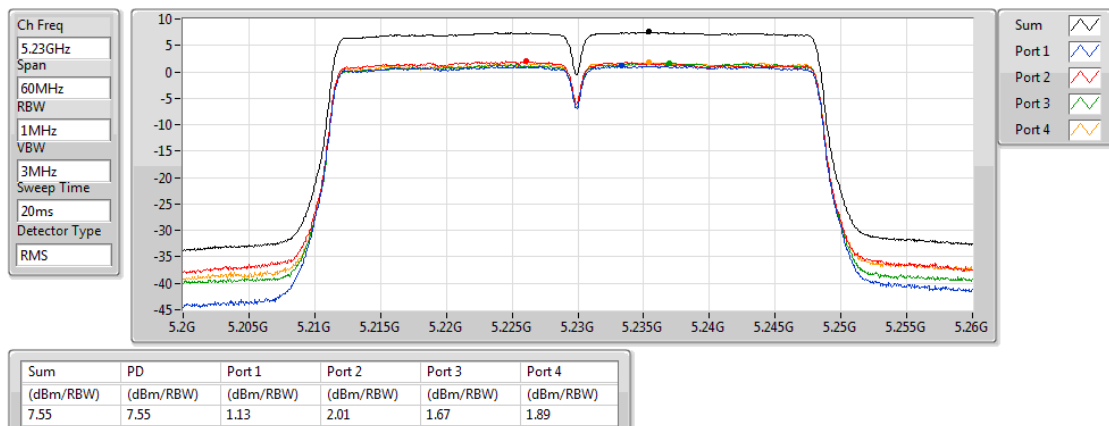
5190MHz



802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

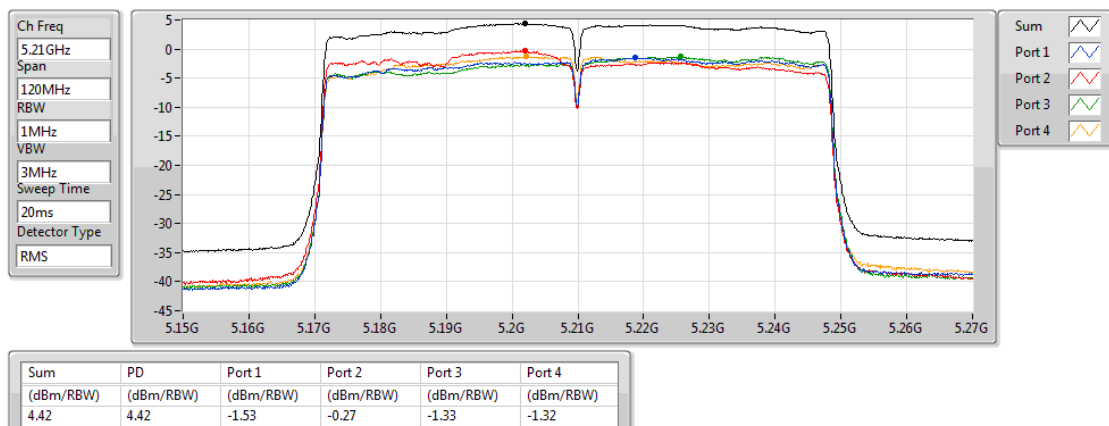
5230MHz

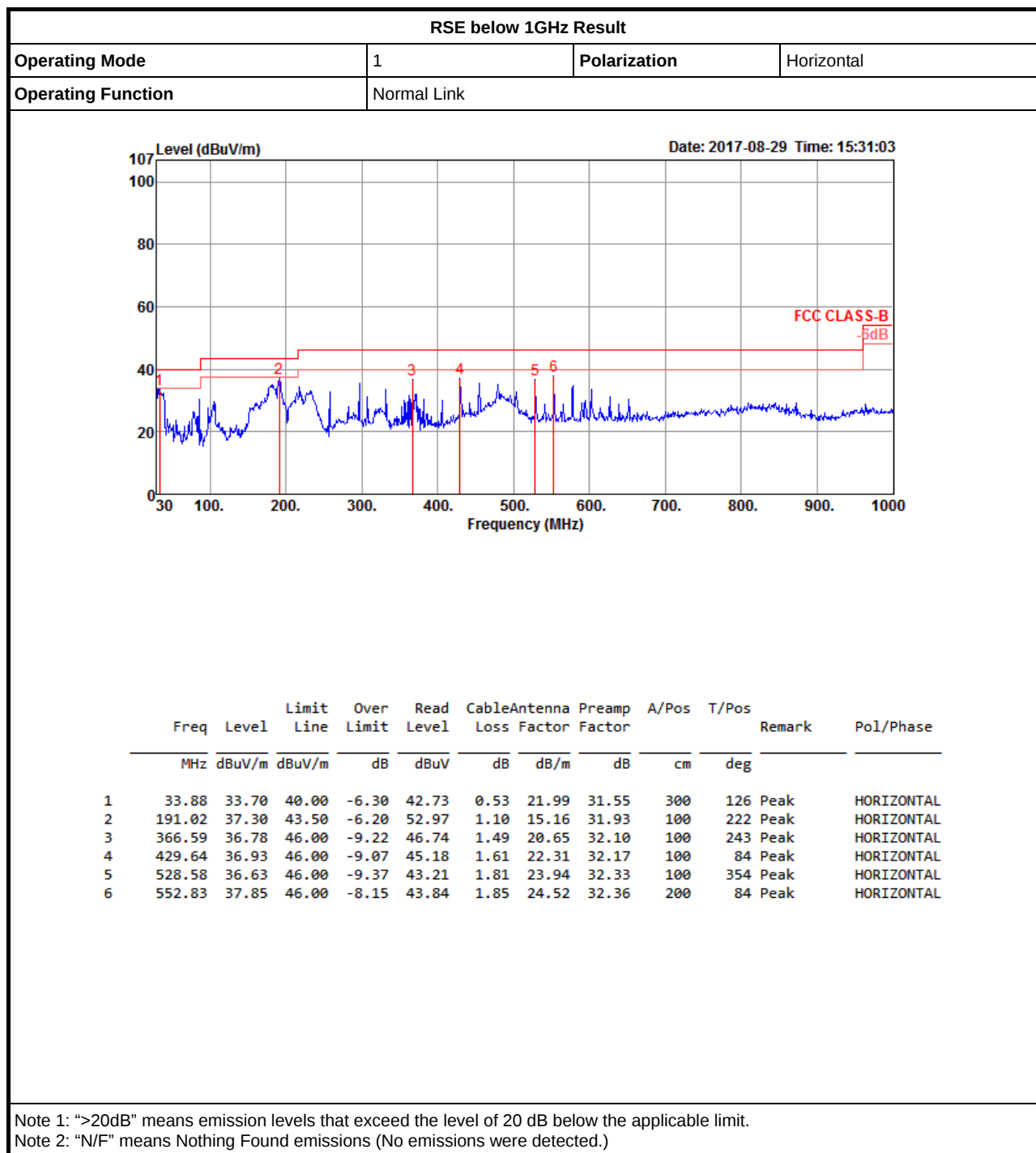


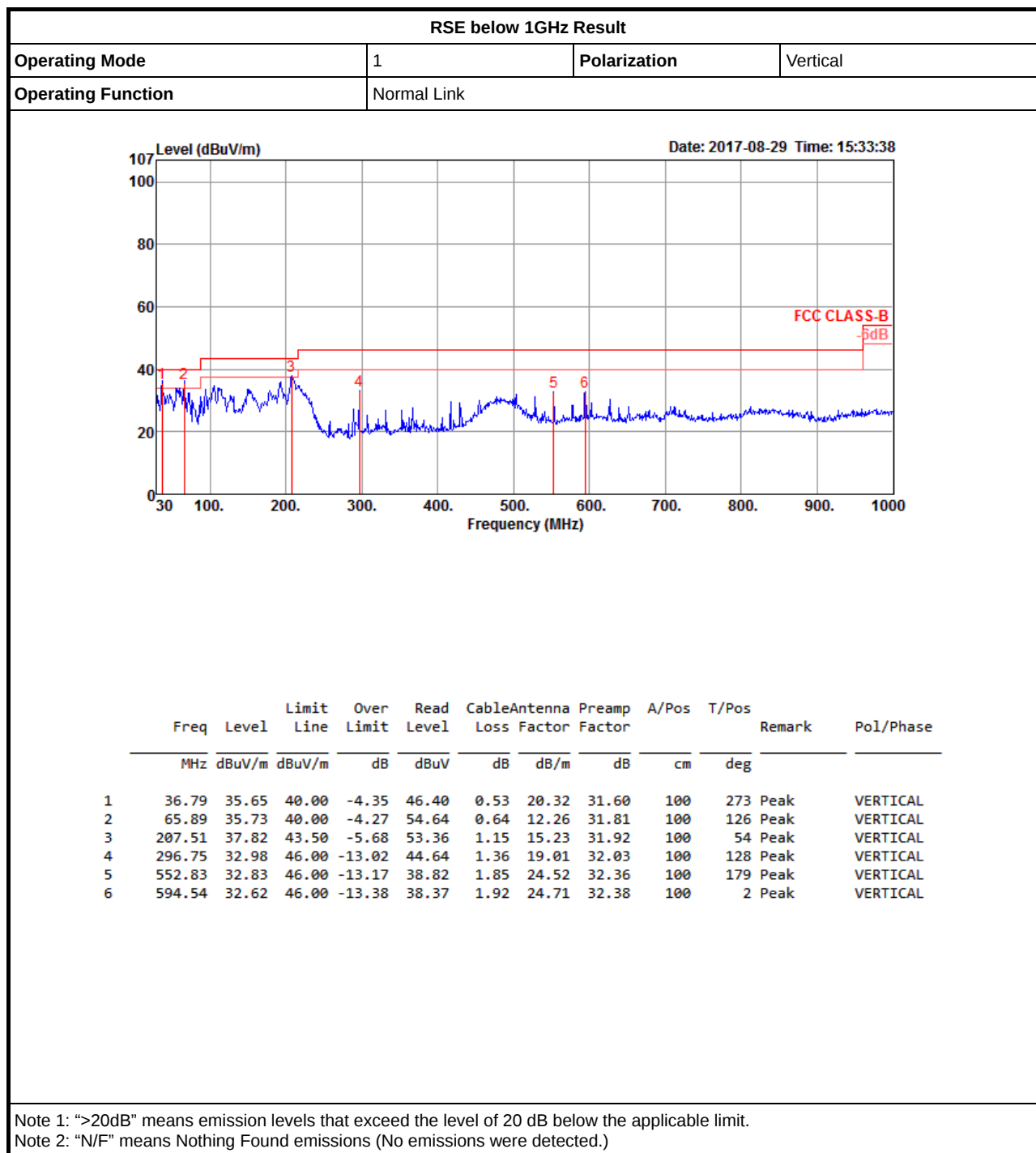
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz





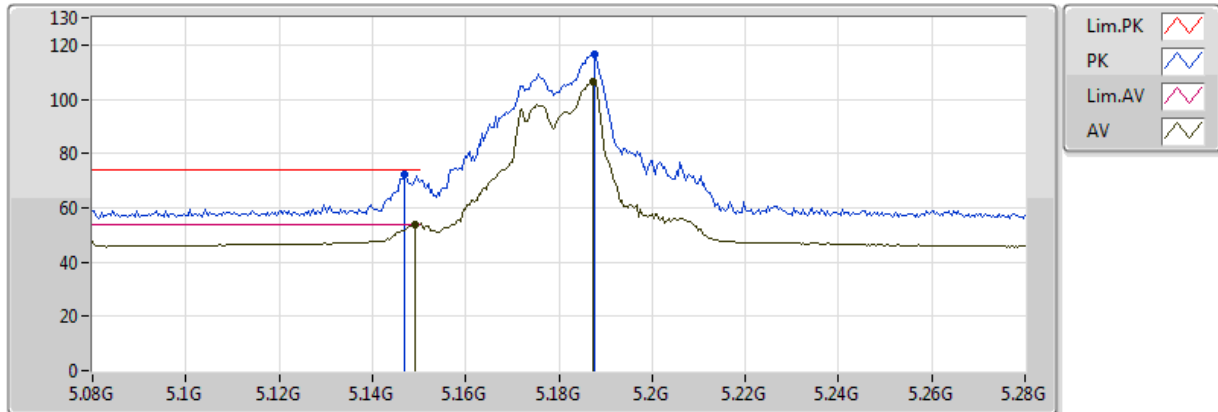


**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.1492G	53.99	54.00	-0.01	5.31	3	V	206	1.64	-

802.11a_(6Mbps)_4TX

5180MHz_TX

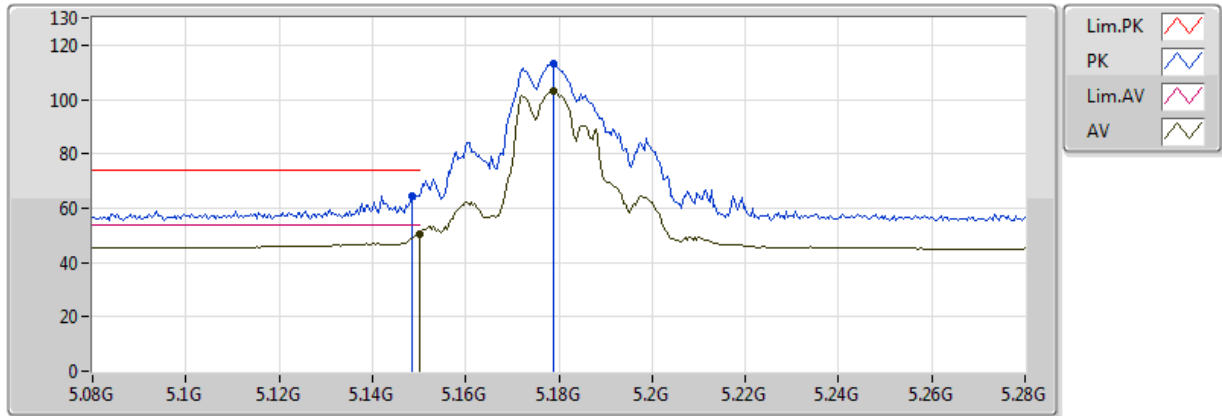


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1492G	53.99	54.00	-0.01	5.31	3	V	206	1.64	-
AV	5.1872G	106.25	Inf	-Inf	5.45	3	V	206	1.64	-
PK	5.1468G	72.16	74.00	-1.84	5.30	3	V	206	1.64	-
PK	5.1876G	116.46	Inf	-Inf	5.45	3	V	206	1.64	-

802.11a_(6Mbps)_4TX

5180MHz_TX

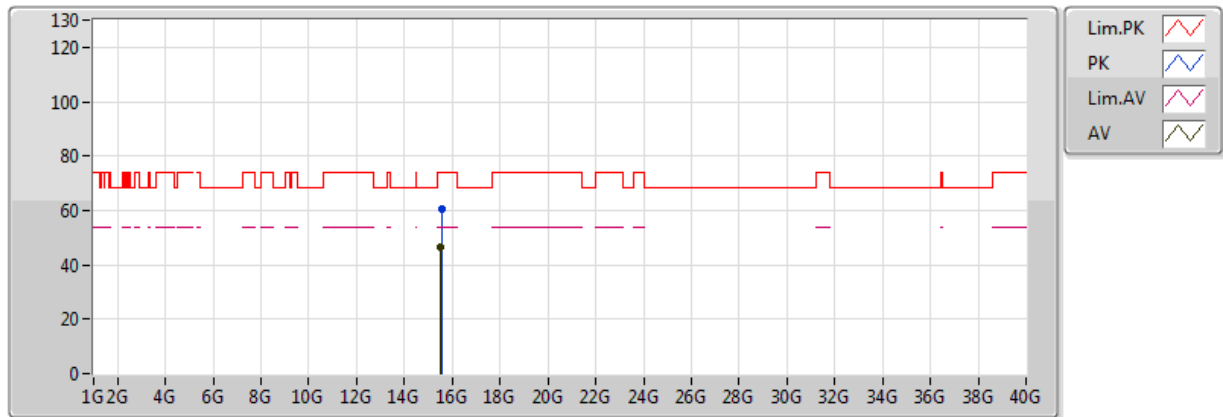


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.61	54.00	-3.39	5.31	3	H	29	1.84	-
AV	5.1788G	103.24	Inf	-Inf	5.42	3	H	29	1.84	-
PK	5.1484G	64.71	74.00	-9.29	5.31	3	H	29	1.84	-
PK	5.1788G	113.04	Inf	-Inf	5.42	3	H	29	1.84	-

802.11a_(6Mbps)_4TX

5180MHz_TX

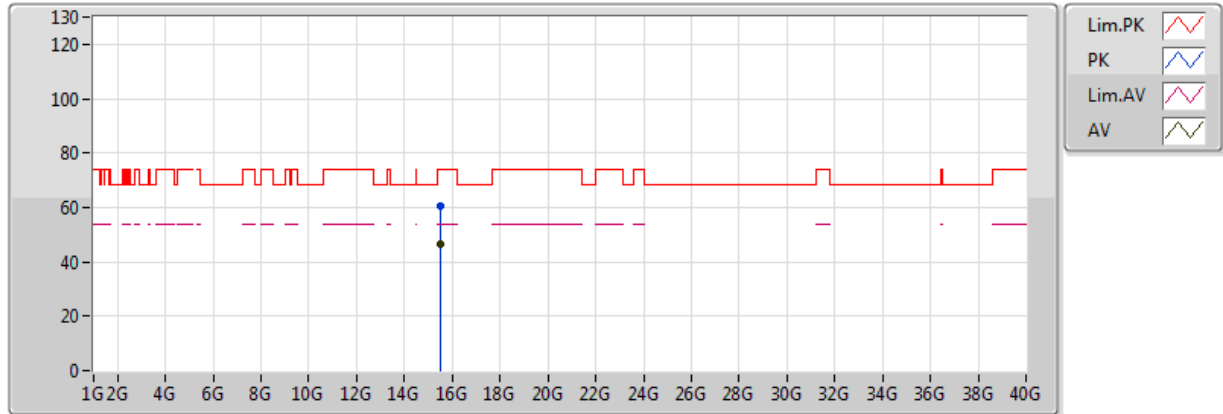


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.53468G	46.57	54.00	-7.43	17.79	3	V	201	1.50	-
PK	15.54476G	60.27	74.00	-13.73	17.80	3	V	201	1.50	-

802.11a_(6Mbps)_4TX

5180MHz_TX

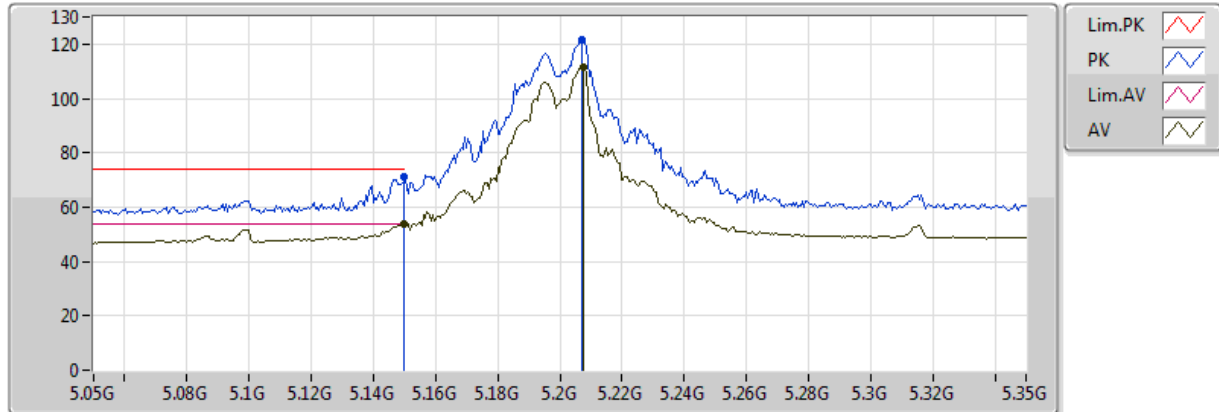


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5372G	46.46	54.00	-7.54	17.80	3	H	168	1.50	-
PK	15.5353G	60.46	74.00	-13.54	17.79	3	H	168	1.50	-

802.11a_(6Mbps)_4TX

5200MHz_TX

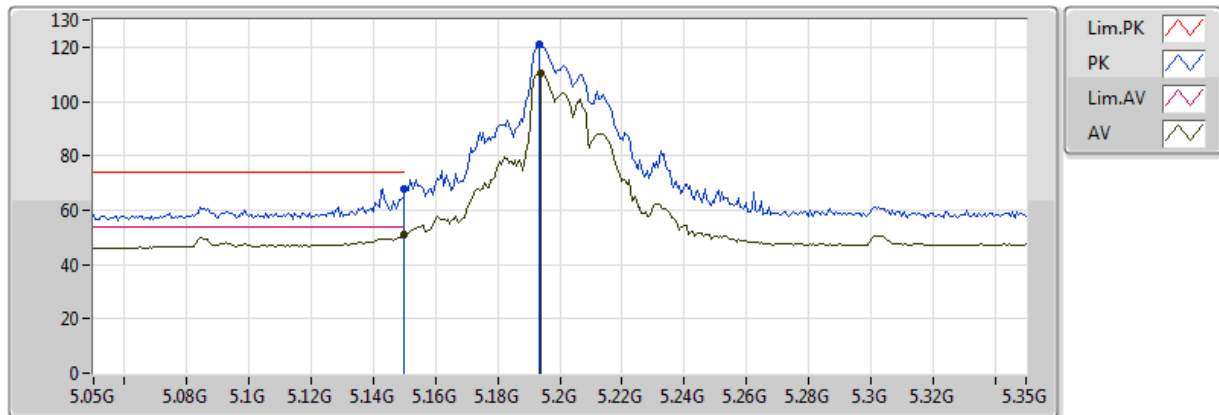


20170822
EUT_Y_4TX
Setting 24.5
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	53.92	54.00	-0.08	4.27	3	V	20	1.50	-
AV	5.2078G	111.71	Inf	-Inf	4.40	3	V	20	1.50	-
PK	5.149995G	71.32	74.00	-2.68	4.27	3	V	20	1.50	-
PK	5.2072G	121.70	Inf	-Inf	4.40	3	V	20	1.50	-

802.11a_(6Mbps)_4TX

5200MHz_TX

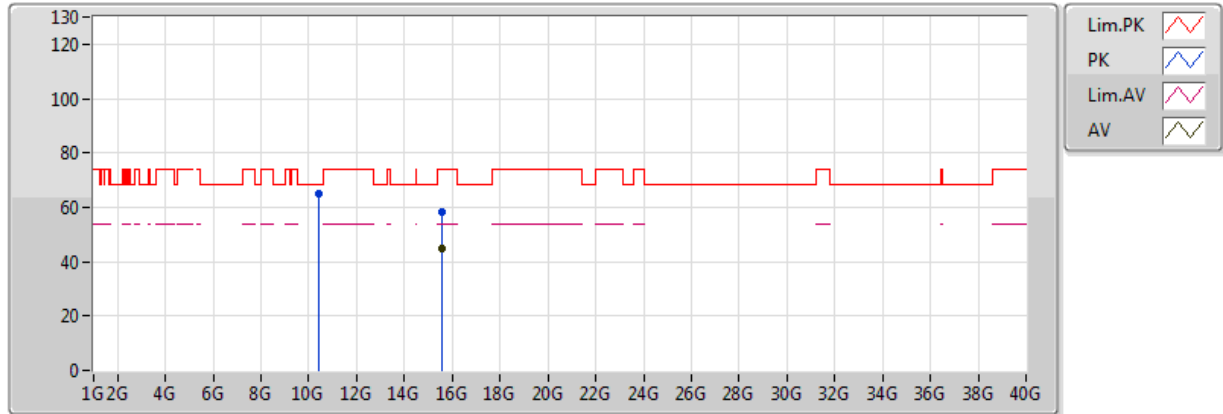


20170822
EUT_Y_4TX
Setting 24.5
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	50.85	54.00	-3.15	4.27	3	H	201	2.31	-
AV	5.194G	110.56	Inf	-Inf	4.37	3	H	201	2.31	-
PK	5.149995G	68.06	74.00	-5.94	4.27	3	H	201	2.31	-
PK	5.1934G	120.88	Inf	-Inf	4.37	3	H	201	2.31	-

802.11a_(6Mbps)_4TX

5200MHz_TX

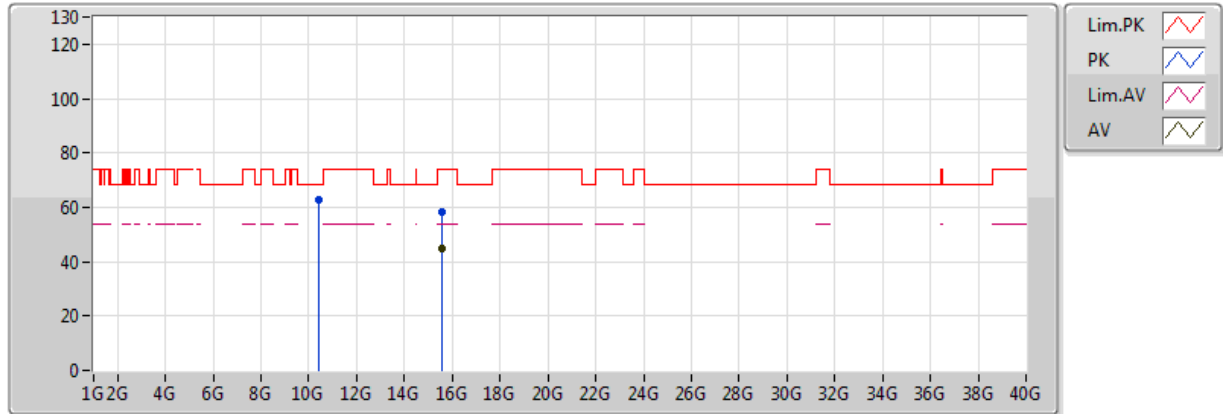


20170822
EUT_Y_4TX
Setting 24.5
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.59192G	44.61	54.00	-9.39	13.74	3	V	44	1.10	-
PK	10.40052G	64.89	68.20	-3.31	11.12	3	V	37	1.70	-
PK	15.5922G	58.49	74.00	-15.51	13.74	3	V	44	1.10	-

802.11a_(6Mbps)_4TX

5200MHz_TX

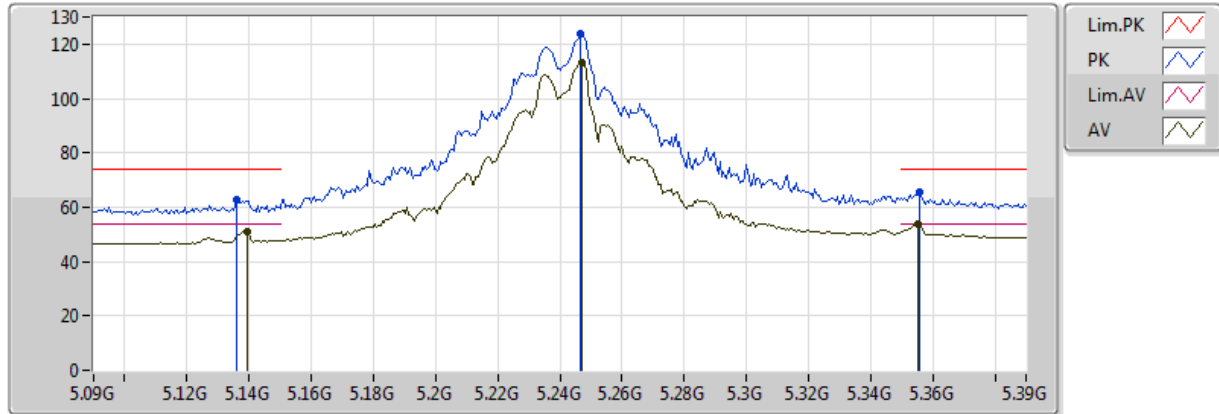


20170822
EUT_Y_4TX
Setting 24.5
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.5979G	44.56	54.00	-9.44	13.73	3	H	12	2.97	-
PK	10.39244G	62.48	68.20	-5.72	11.11	3	H	162	2.99	-
PK	15.59858G	58.27	74.00	-15.73	13.73	3	H	12	2.97	-

802.11a_(6Mbps)_4TX

5240MHz_TX

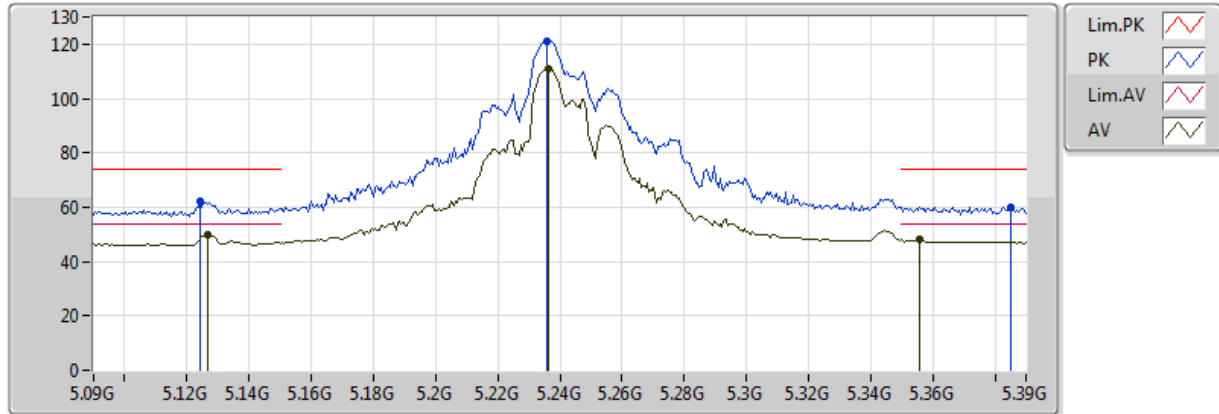


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1392G	51.18	54.00	-2.82	4.25	3	V	356	1.37	-
AV	5.2472G	113.24	Inf	-Inf	4.48	3	V	356	1.37	-
AV	5.3552G	53.93	54.00	-0.07	4.69	3	V	356	1.37	-
PK	5.1362G	62.79	74.00	-11.21	4.24	3	V	356	1.37	-
PK	5.2466G	123.91	Inf	-Inf	4.48	3	V	356	1.37	-
PK	5.3558G	65.44	74.00	-8.56	4.69	3	V	356	1.37	-

802.11a_(6Mbps)_4TX

5240MHz_TX

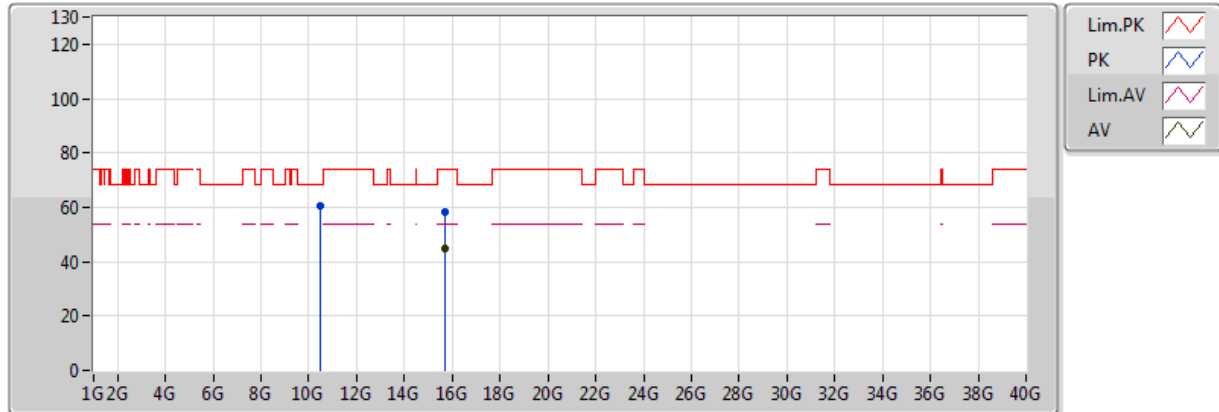


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1266G	49.85	54.00	-4.15	4.22	3	H	202	2.78	-
AV	5.2364G	111.17	Inf	-Inf	4.46	3	H	202	2.78	-
AV	5.3558G	47.93	54.00	-6.07	4.69	3	H	202	2.78	-
PK	5.1242G	62.45	74.00	-11.55	4.21	3	H	202	2.78	-
PK	5.2358G	121.23	Inf	-Inf	4.46	3	H	202	2.78	-
PK	5.3852G	60.15	74.00	-13.85	4.74	3	H	202	2.78	-

802.11a_(6Mbps)_4TX

5240MHz_TX

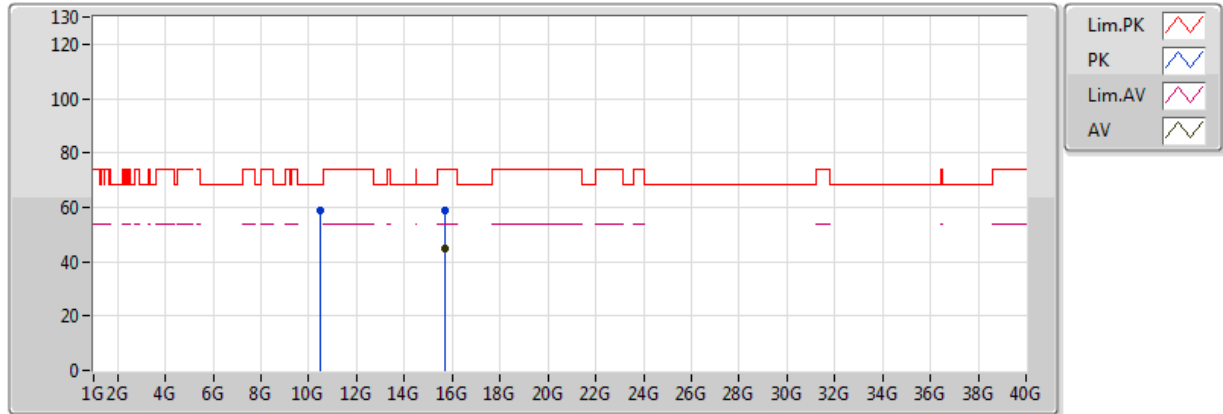


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71G	44.55	54.00	-9.45	13.59	3	V	13	2.23	-
PK	10.4772G	60.72	68.20	-7.48	11.21	3	V	34	1.51	-
PK	15.71184G	58.23	74.00	-15.77	13.59	3	V	13	2.23	-

802.11a_(6Mbps)_4TX

5240MHz_TX

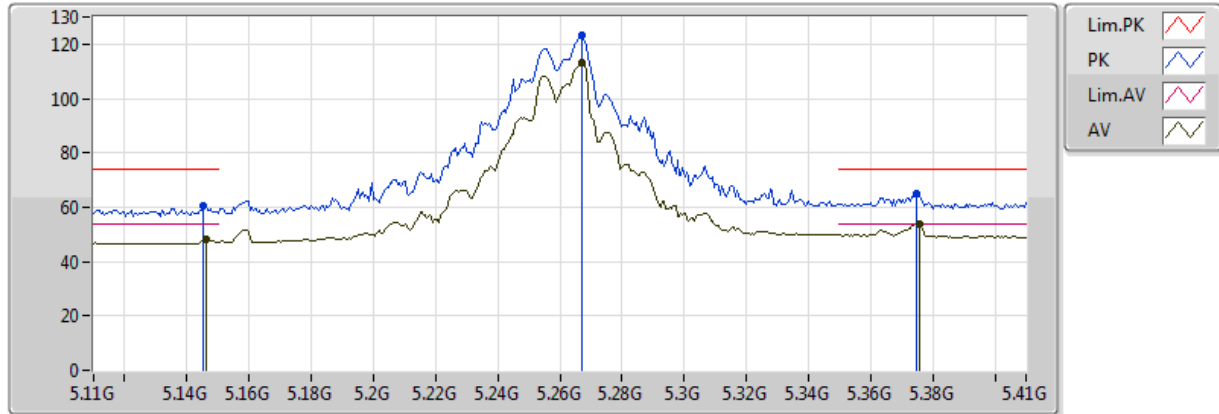


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.72288G	44.65	54.00	-9.35	13.57	3	H	114	1.25	-
PK	10.4766G	58.98	68.20	-9.22	11.21	3	H	203	2.27	-
PK	15.71468G	58.81	74.00	-15.19	13.58	3	H	114	1.25	-

802.11a_(6Mbps)_4TX

5260MHz_TX

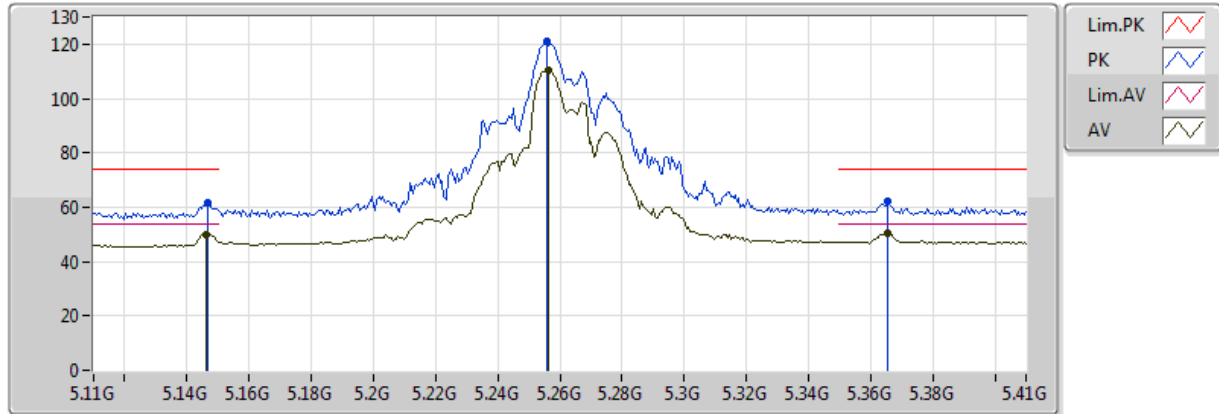


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	48.36	54.00	-5.64	4.26	3	V	356	1.47	-
AV	5.2672G	113.44	Inf	-Inf	4.52	3	V	356	1.47	-
AV	5.3758G	53.85	54.00	-0.15	4.73	3	V	356	1.47	-
PK	5.1454G	60.74	74.00	-13.26	4.26	3	V	356	1.47	-
PK	5.2672G	123.21	Inf	-Inf	4.52	3	V	356	1.47	-
PK	5.3746G	64.72	74.00	-9.28	4.72	3	V	356	1.47	-

802.11a_(6Mbps)_4TX

5260MHz_TX

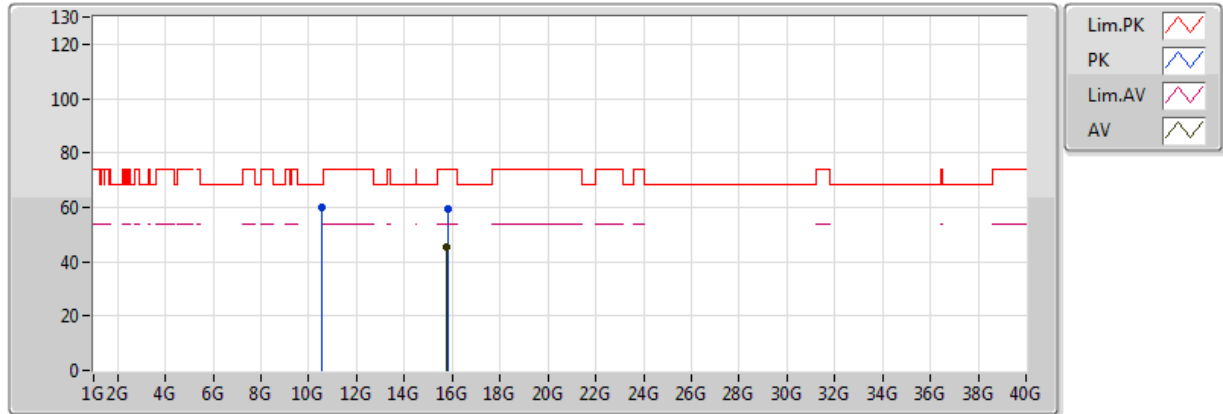


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.146G	50.11	54.00	-3.89	4.26	3	H	201	2.84	-
AV	5.2564G	110.16	Inf	-Inf	4.50	3	H	201	2.84	-
AV	5.3656G	50.52	54.00	-3.48	4.71	3	H	201	2.84	-
PK	5.1466G	61.55	74.00	-12.45	4.26	3	H	201	2.84	-
PK	5.2558G	120.79	Inf	-Inf	4.50	3	H	201	2.84	-
PK	5.3656G	62.17	74.00	-11.83	4.71	3	H	201	2.84	-

802.11a_(6Mbps)_4TX

5260MHz_TX

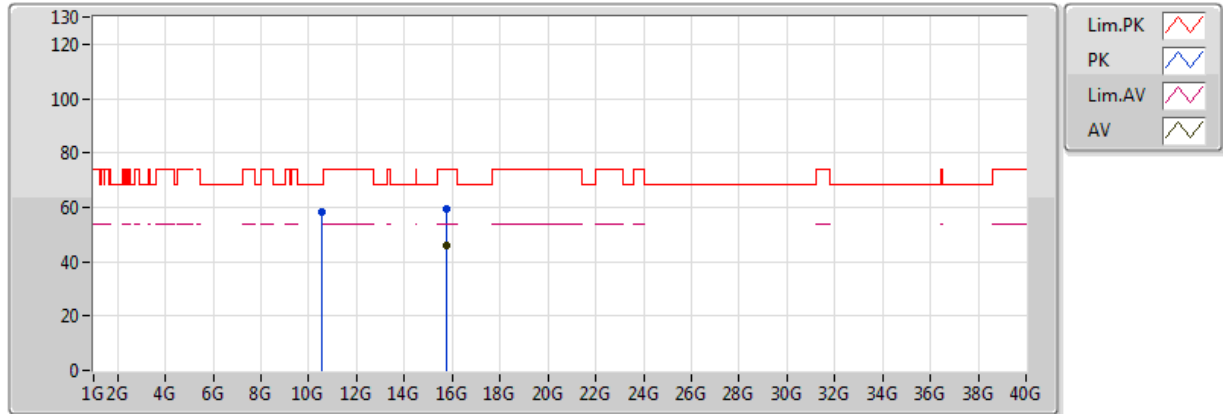


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78666G	45.18	54.00	-8.82	13.49	3	V	147	1.08	-
PK	10.52384G	60.23	68.20	-7.97	11.26	3	V	28	1.71	-
PK	15.79266G	59.48	74.00	-14.52	13.49	3	V	147	1.08	-

802.11a_(6Mbps)_4TX

5260MHz_TX

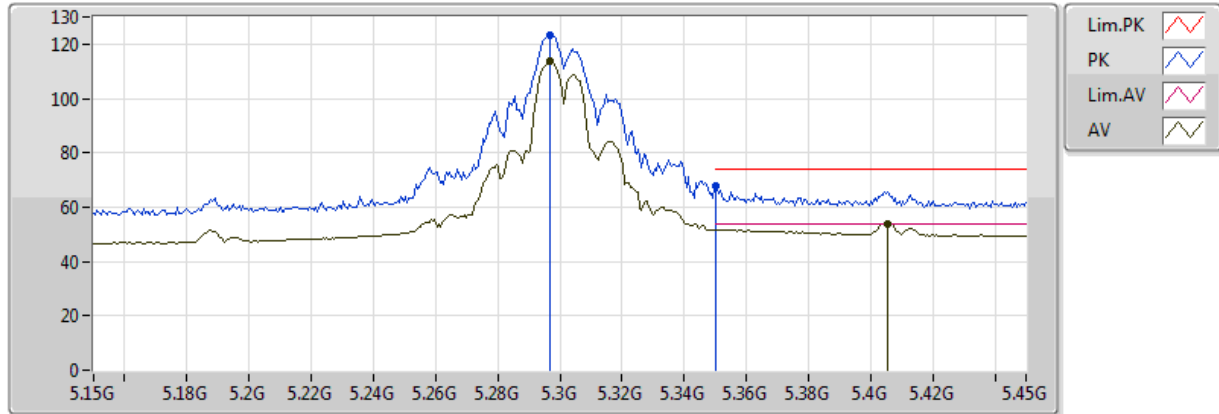


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77796G	45.82	54.00	-8.18	13.51	3	H	354	2.99	-
PK	10.51478G	58.19	68.20	-10.01	11.25	3	H	189	2.95	-
PK	15.77796G	59.29	74.00	-14.71	13.51	3	H	354	2.99	-

802.11a_(6Mbps)_4TX

5300MHz_TX

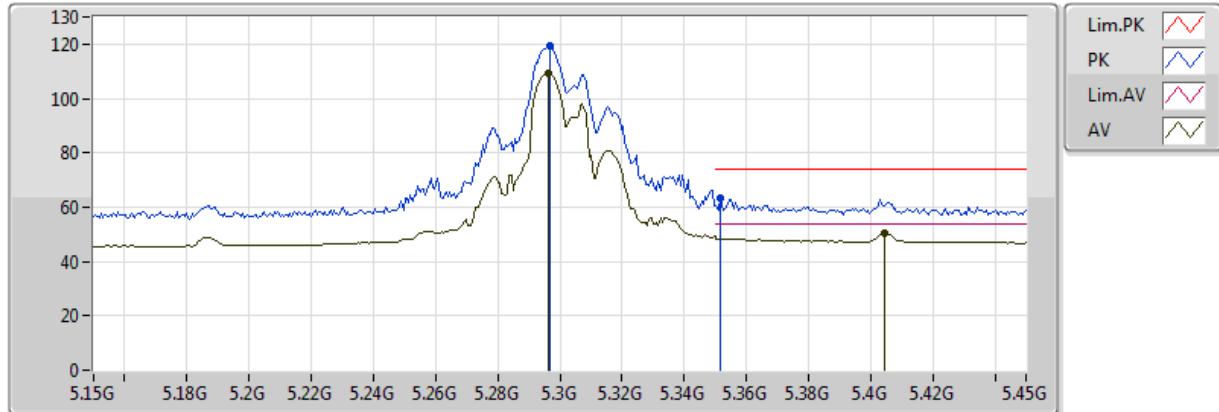


20170822
EUT_Y_4TX
Setting 22.5
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.297G	113.57	Inf	-Inf	4.58	3	V	8	2.14	-
AV	5.4056G	53.97	54.00	-0.03	4.78	3	V	8	2.14	-
PK	5.297G	123.22	Inf	-Inf	4.58	3	V	8	2.14	-
PK	5.3504G	67.61	74.00	-6.39	4.68	3	V	8	2.14	-

802.11a_(6Mbps)_4TX

5300MHz_TX

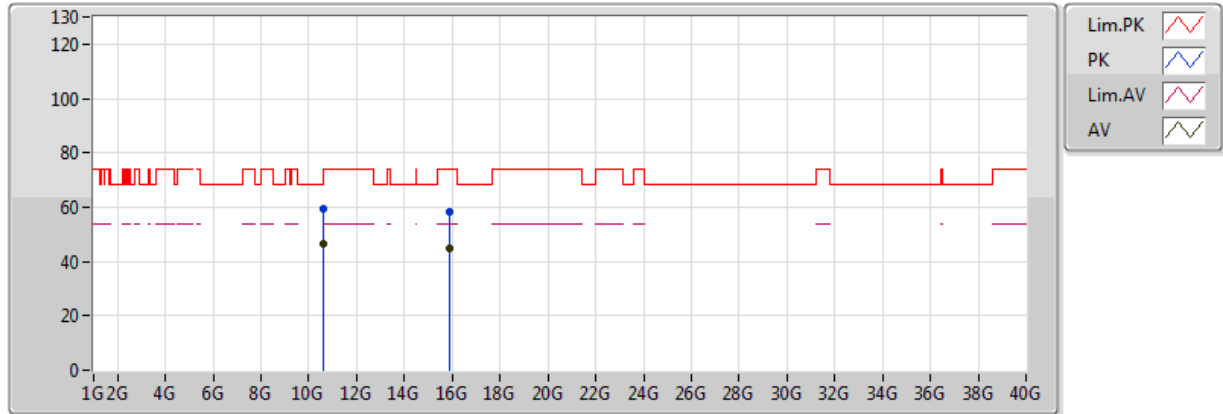


20170822
EUT_Y_4TX
Setting 22.5
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2964G	108.99	Inf	-Inf	4.58	3	H	204	2.83	-
AV	5.4044G	50.28	54.00	-3.72	4.78	3	H	204	2.83	-
PK	5.297G	119.09	Inf	-Inf	4.58	3	H	204	2.83	-
PK	5.3516G	63.10	74.00	-10.90	4.68	3	H	204	2.83	-

802.11a_(6Mbps)_4TX

5300MHz_TX

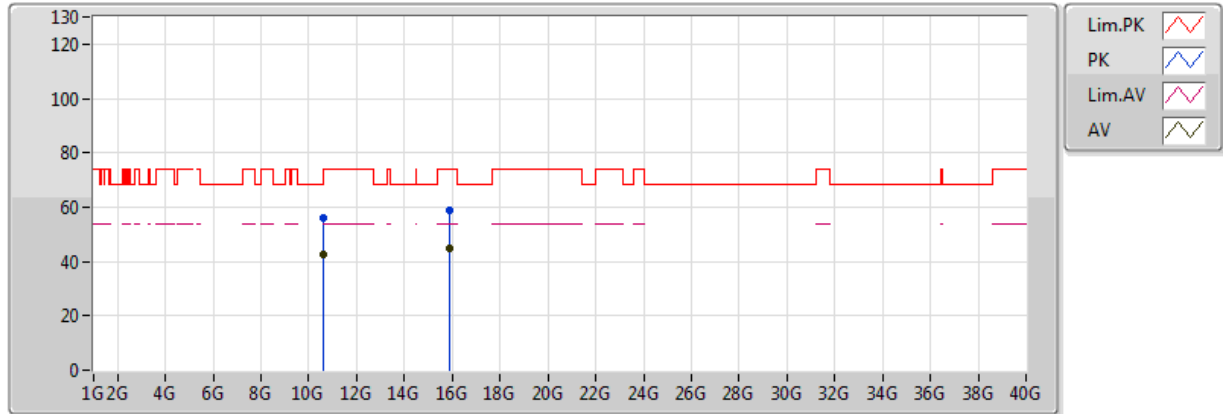


20170822
EUT_Y_4TX
Setting 22.5
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60248G	46.27	54.00	-7.73	11.35	3	V	145	2.30	-
AV	15.90236G	44.79	54.00	-9.21	13.35	3	V	69	1.94	-
PK	10.60216G	59.67	74.00	-14.33	11.35	3	V	145	2.30	-
PK	15.89815G	58.36	74.00	-15.64	13.36	3	V	69	1.94	-

802.11a_(6Mbps)_4TX

5300MHz_TX

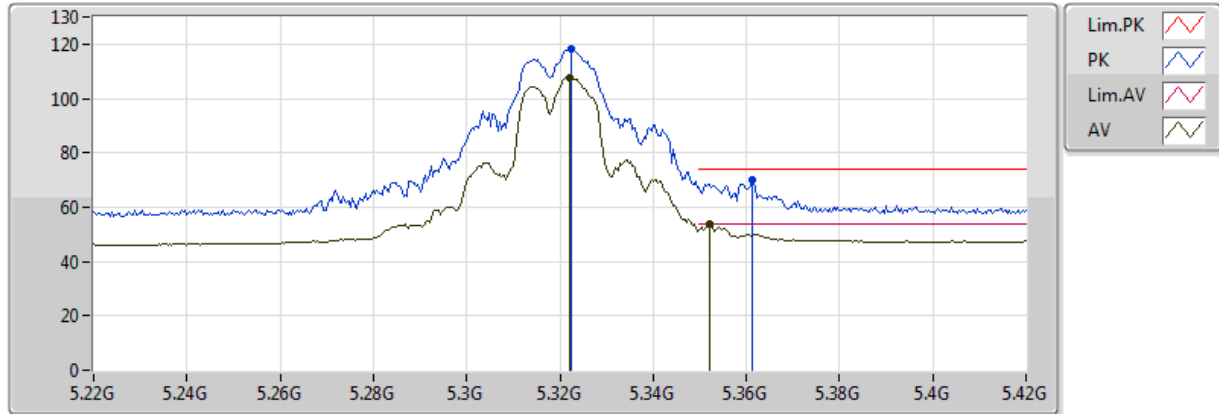


20170822
EUT_Y_4TX
Setting 22.5
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	42.48	54.00	-11.52	11.35	3	H	353	1.66	-
AV	15.90219G	44.86	54.00	-9.14	13.35	3	H	355	1.50	-
PK	10.60478G	55.81	74.00	-18.19	11.35	3	H	353	1.66	-
PK	15.89946G	58.66	74.00	-15.34	13.35	3	H	355	1.50	-

802.11a_(6Mbps)_4TX

5320MHz_TX

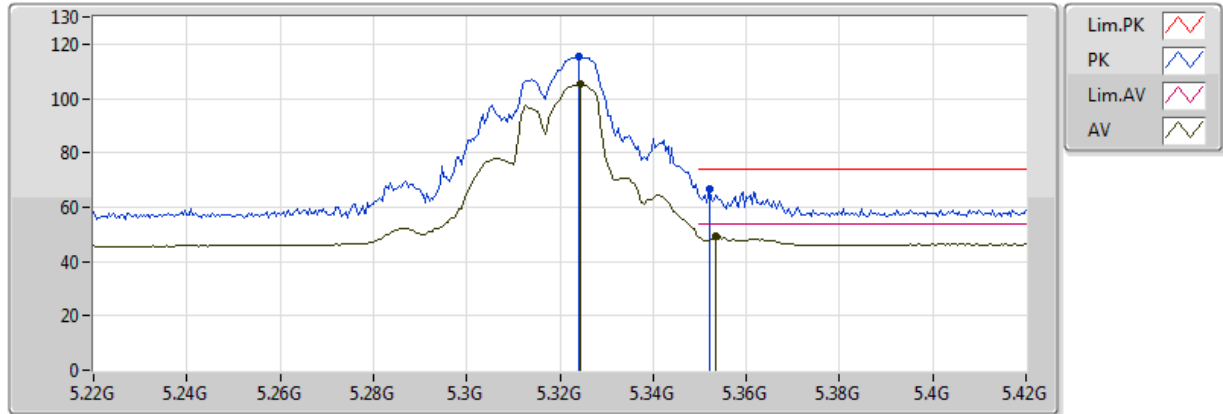


20170821
EUT_Y_4TX
Setting 22
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.322G	107.70	Inf	-Inf	5.62	3	V	189	1.50	-
AV	5.352G	53.88	54.00	-0.12	5.65	3	V	189	1.50	-
PK	5.3224G	118.13	Inf	-Inf	5.62	3	V	189	1.50	-
PK	5.3612G	69.98	74.00	-4.02	5.66	3	V	189	1.50	-

802.11a_(6Mbps)_4TX

5320MHz_TX

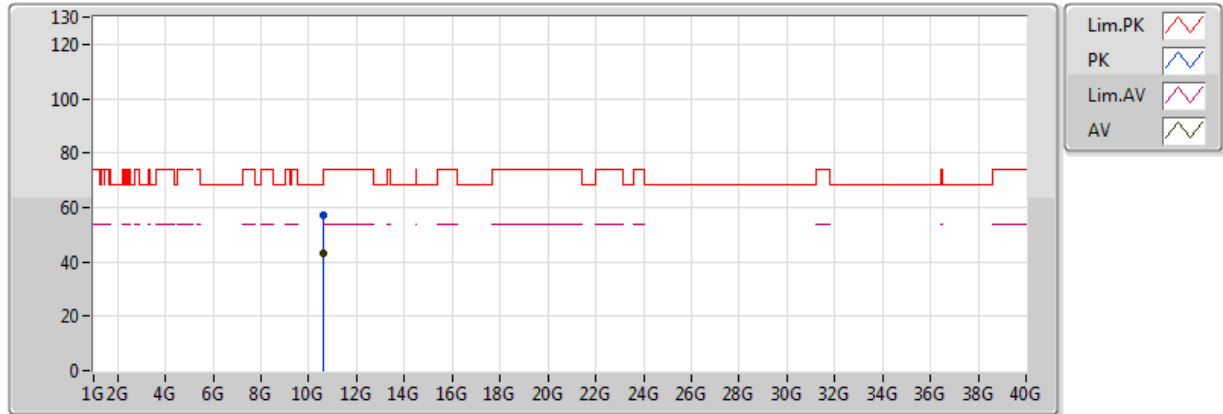


20170821
EUT_Y_4TX
Setting 22
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3244G	105.16	Inf	-Inf	5.62	3	H	175	1.80	-
AV	5.3536G	49.47	54.00	-4.53	5.65	3	H	175	1.80	-
PK	5.324G	115.27	Inf	-Inf	5.62	3	H	175	1.80	-
PK	5.352G	66.44	74.00	-7.56	5.65	3	H	175	1.80	-

802.11a_(6Mbps)_4TX

5320MHz_TX

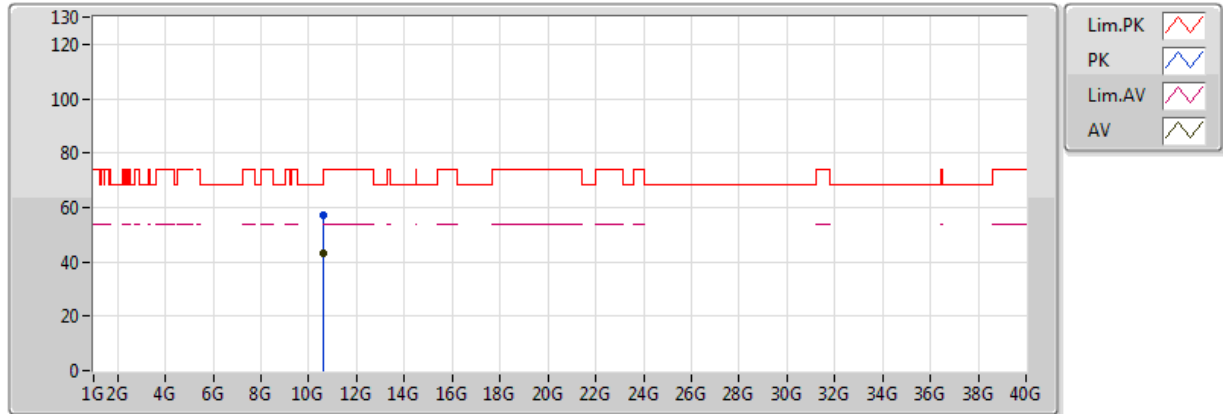


20170821
EUT_Y_4TX
Setting 22
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63804G	43.16	54.00	-10.84	15.25	3	V	222	1.50	-
PK	10.63604G	57.39	74.00	-16.61	15.25	3	V	222	1.50	-

802.11a_(6Mbps)_4TX

5320MHz_TX

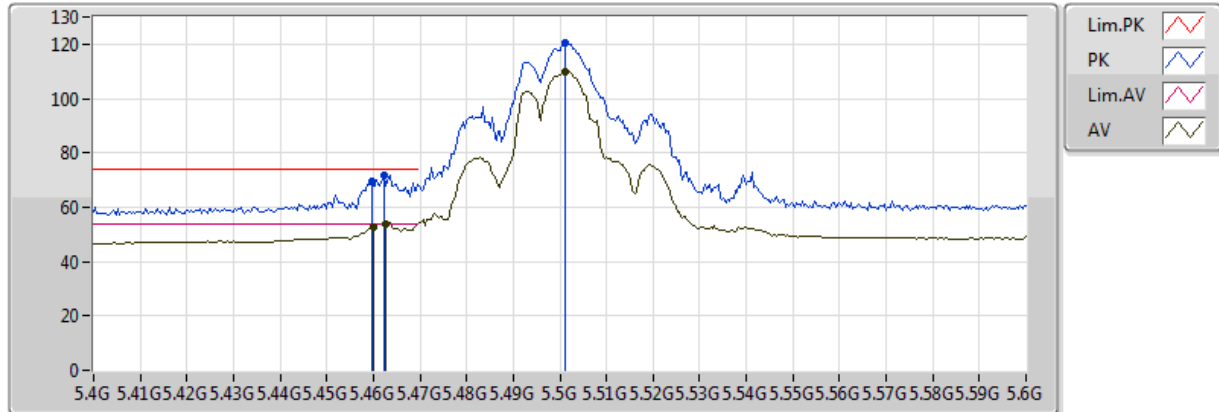


20170821
EUT_Y_4TX
Setting 22
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.63622G	43.27	54.00	-10.73	15.25	3	H	195	1.50	-
PK	10.63812G	56.97	74.00	-17.03	15.25	3	H	195	1.50	-

802.11a_(6Mbps)_4TX

5500MHz_TX

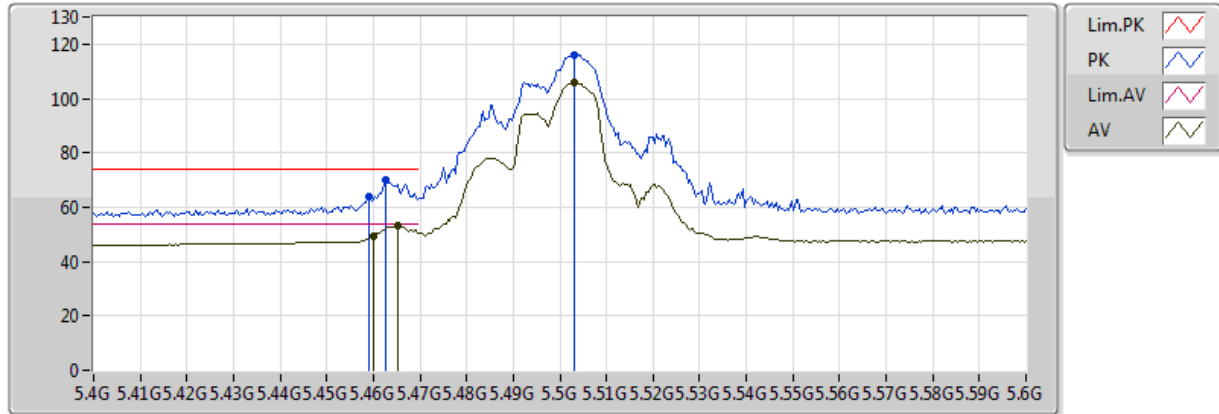


20170821
EUT Y_4TX
Setting 23.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	52.54	54.00	-1.46	5.98	3	V	188	1.29	-
AV	5.4628G	53.95	54.00	-0.05	5.99	3	V	188	1.29	-
AV	5.5012G	110.03	Inf	-Inf	6.17	3	V	188	1.29	-
PK	5.4596G	69.37	74.00	-4.63	5.97	3	V	188	1.29	-
PK	5.4624G	71.87	74.00	-2.13	5.99	3	V	188	1.29	-
PK	5.5012G	120.60	Inf	-Inf	6.17	3	V	188	1.29	-

802.11a_(6Mbps)_4TX

5500MHz_TX

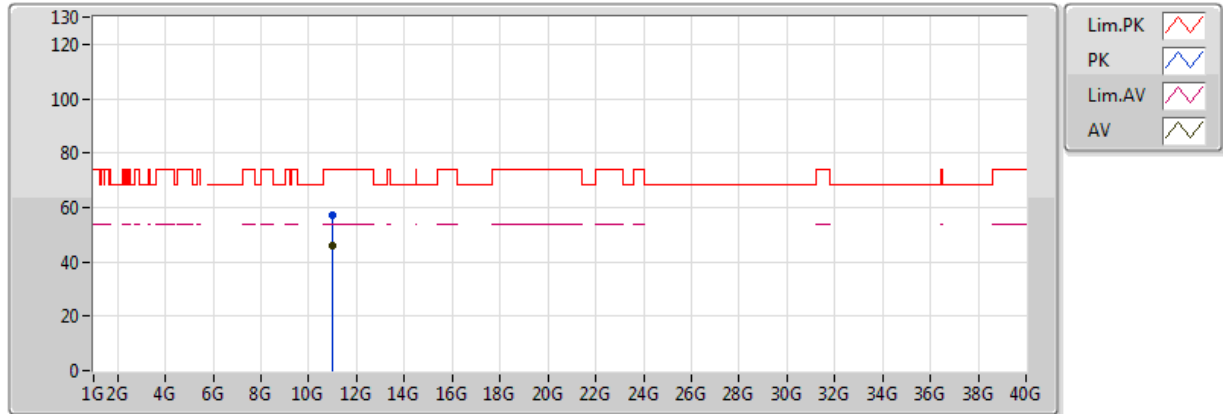


20170821
EUT Y_4TX
Setting 23.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	49.13	54.00	-4.87	5.98	3	H	173	1.81	-
AV	5.4652G	53.10	54.00	-0.90	6.00	3	H	173	1.81	-
AV	5.5032G	105.89	Inf	-Inf	6.18	3	H	173	1.81	-
PK	5.4592G	63.77	74.00	-10.23	5.97	3	H	173	1.81	-
PK	5.4628G	70.09	74.00	-3.91	5.99	3	H	173	1.81	-
PK	5.5032G	116.13	Inf	-Inf	6.18	3	H	173	1.81	-

802.11a_(6Mbps)_4TX

5500MHz_TX

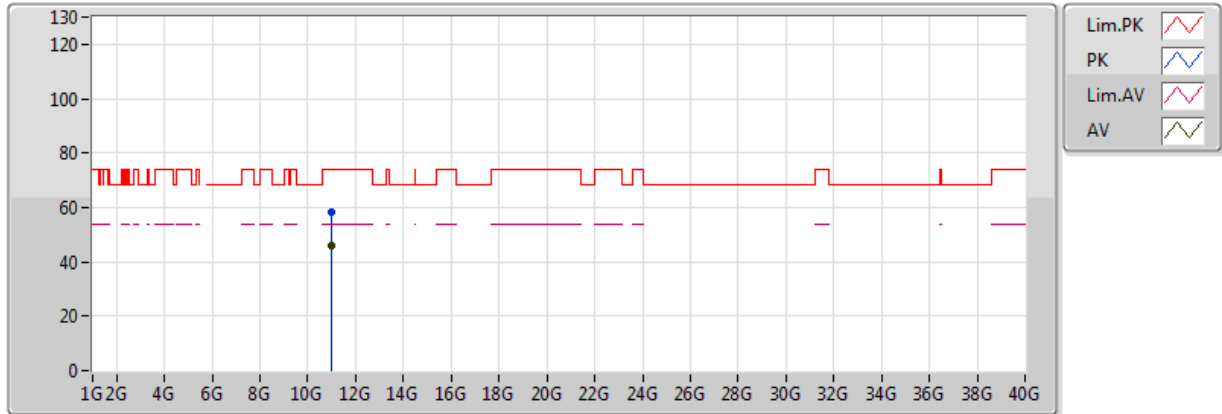


20170821
EUT_Y_4TX
Setting 23.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00238G	45.70	54.00	-8.30	15.80	3	V	234	1.50	-
PK	11.00304G	57.26	74.00	-16.74	15.80	3	V	234	1.50	-

802.11a_(6Mbps)_4TX

5500MHz_TX

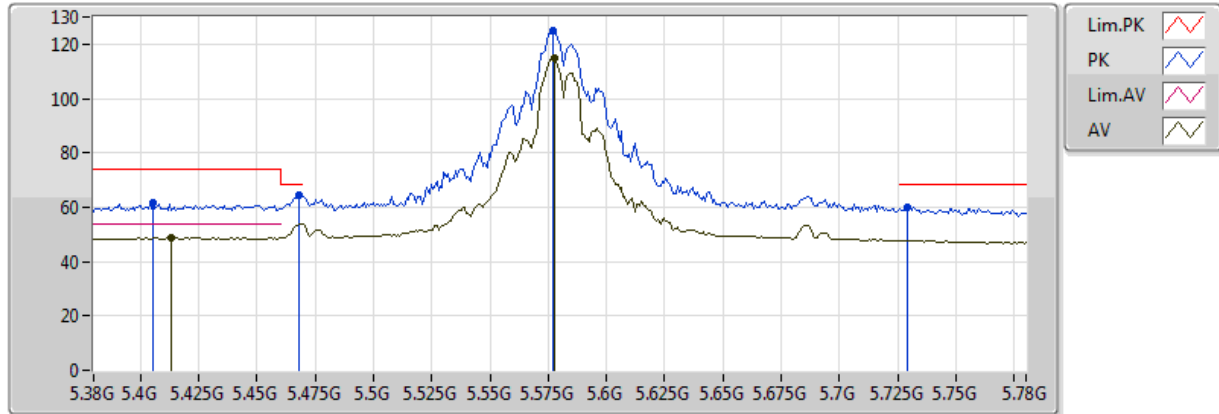


20170821
EUT_Y_4TX
Setting 23.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.00218G	45.72	54.00	-8.28	15.80	3	H	185	1.50	-
PK	11.00148G	58.19	74.00	-15.81	15.80	3	H	185	1.50	-

802.11a_(6Mbps)_4TX

5580MHz_TX

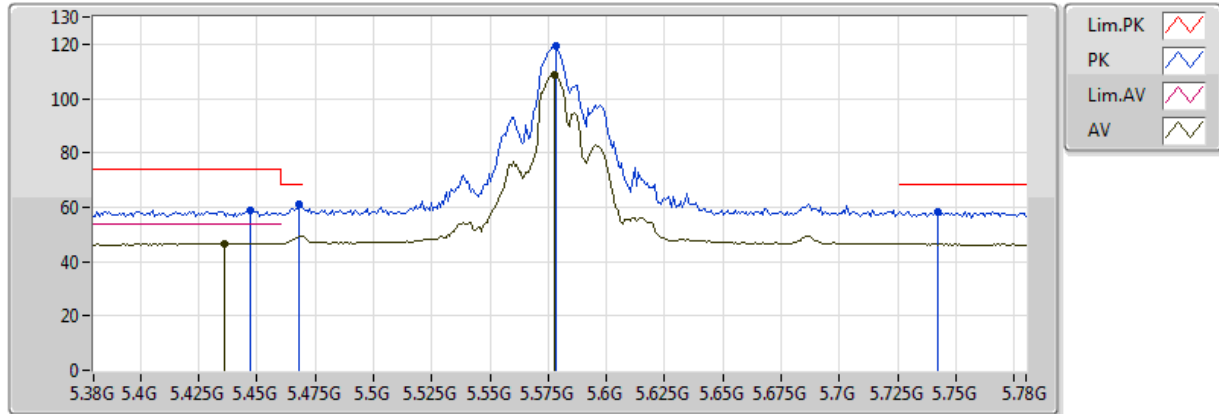


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4136G	48.74	54.00	-5.26	4.81	3	V	3	2.20	-
AV	5.5776G	114.85	Inf	-Inf	5.30	3	V	3	2.20	-
PK	5.4056G	61.44	74.00	-12.56	4.78	3	V	3	2.20	-
PK	5.468G	64.32	68.20	-3.88	4.95	3	V	3	2.20	-
PK	5.5768G	125.06	Inf	-Inf	5.30	3	V	3	2.20	-
PK	5.7288G	59.94	68.20	-8.26	5.76	3	V	3	2.20	-

802.11a_(6Mbps)_4TX

5580MHz_TX

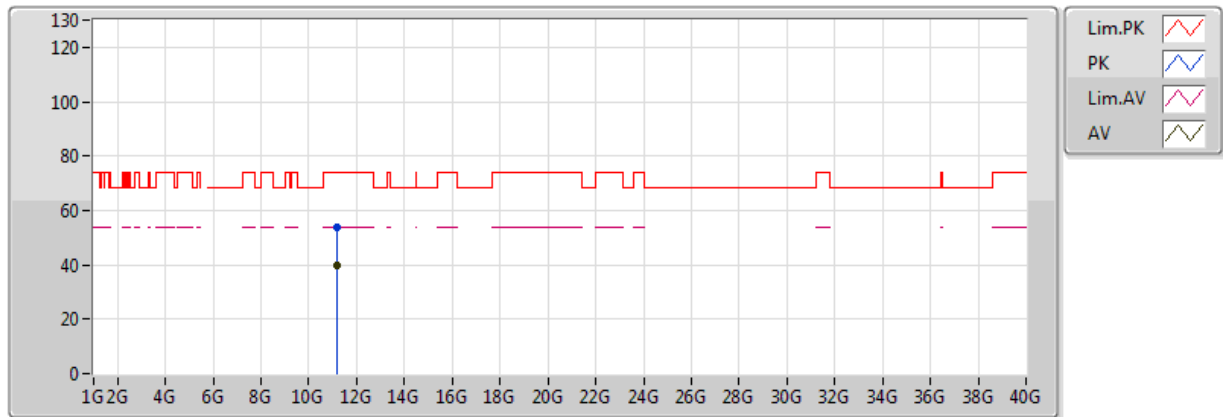


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.436G	46.72	54.00	-7.28	4.86	3	H	61	1.49	-
AV	5.5776G	108.97	Inf	-Inf	5.30	3	H	61	1.49	-
PK	5.4472G	59.03	74.00	-14.97	4.89	3	H	61	1.49	-
PK	5.468G	61.18	68.20	-7.02	4.95	3	H	61	1.49	-
PK	5.5784G	119.23	Inf	-Inf	5.30	3	H	61	1.49	-
PK	5.7424G	58.54	68.20	-9.66	5.80	3	H	61	1.49	-

802.11a_(6Mbps)_4TX

5580MHz_TX

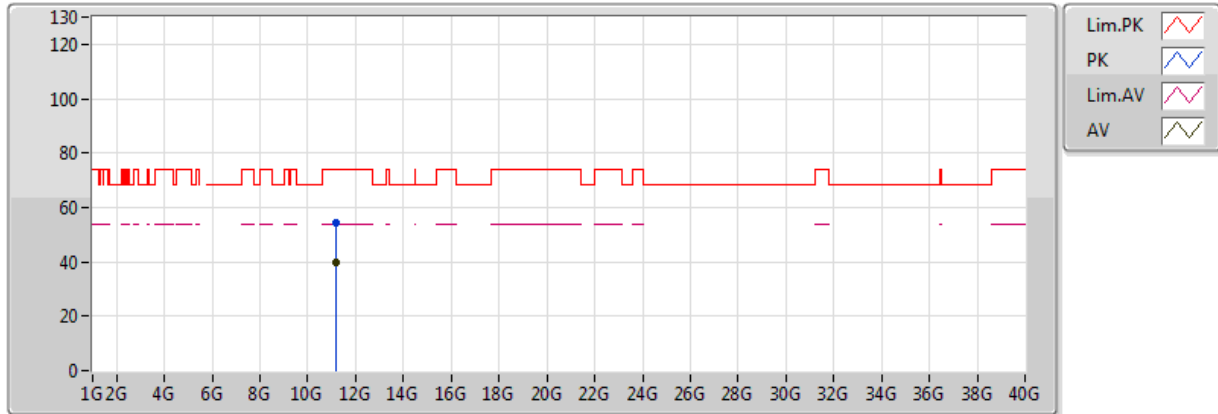


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15884G	39.92	54.00	-14.08	11.88	3	V	29	1.01	-
PK	11.16019G	53.87	74.00	-20.13	11.88	3	V	29	1.01	-

802.11a_(6Mbps)_4TX

5580MHz_TX

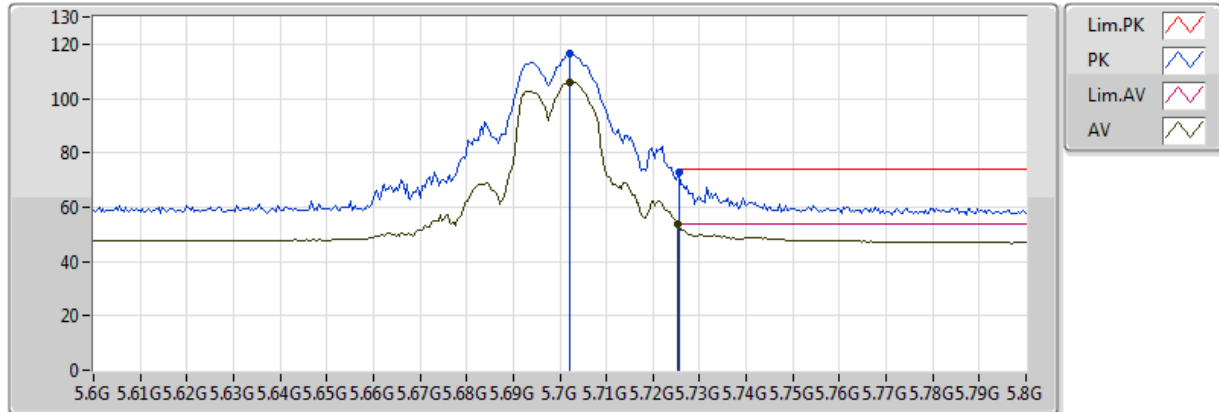


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.15991G	39.93	54.00	-14.07	11.88	3	H	97	2.41	-
PK	11.16202G	54.53	74.00	-19.47	11.88	3	H	97	2.41	-

802.11a_(6Mbps)_4TX

5700MHz_TX

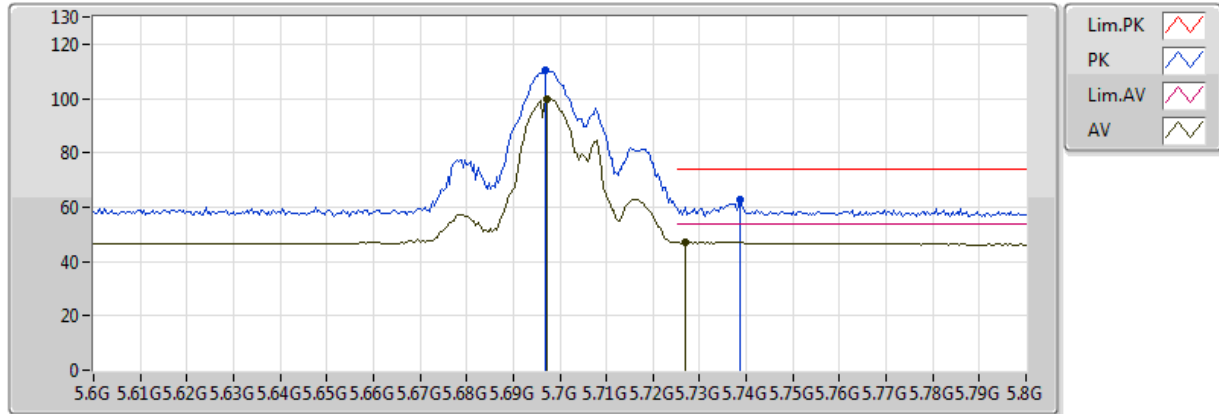


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.702G	106.12	Inf	-Inf	6.97	3	V	187	1.53	-
AV	5.7252G	53.92	54.00	-0.08	7.02	3	V	187	1.53	-
PK	5.702G	116.43	Inf	-Inf	6.97	3	V	187	1.53	-
PK	5.7256G	72.82	74.00	-1.18	7.02	3	V	187	1.53	-

802.11a_(6Mbps)_4TX

5700MHz_TX

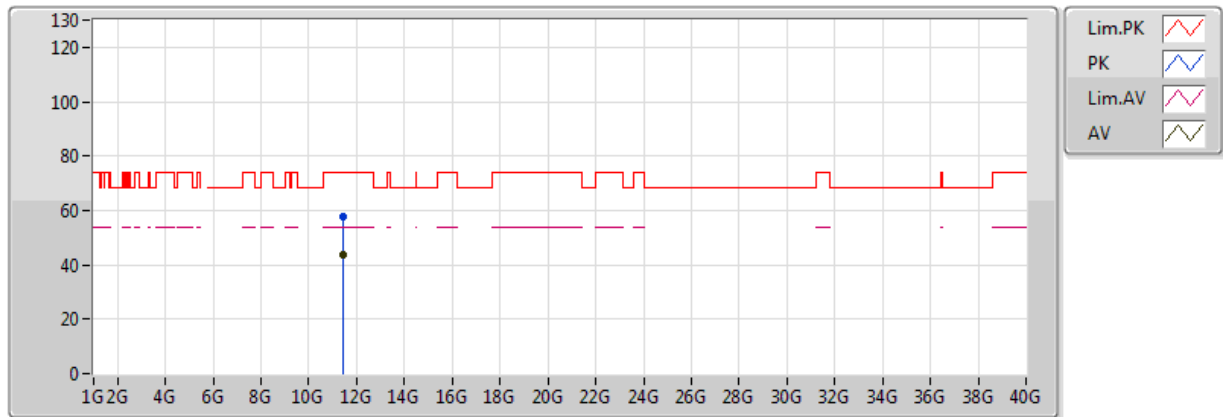


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6972G	99.95	Inf	-Inf	6.96	3	H	238	1.59	-
AV	5.7268G	47.34	54.00	-6.66	7.03	3	H	238	1.59	-
PK	5.6968G	110.19	Inf	-Inf	6.96	3	H	238	1.59	-
PK	5.7388G	62.57	74.00	-11.43	7.05	3	H	238	1.59	-

802.11a_(6Mbps)_4TX

5700MHz_TX

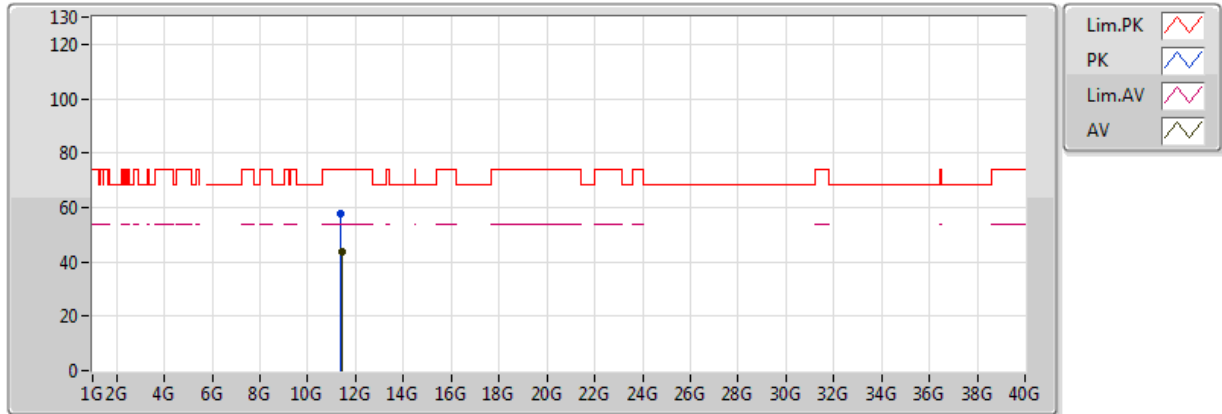


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40396G	43.67	54.00	-10.33	16.07	3	V	225	1.50	-
PK	11.40436G	57.51	74.00	-16.49	16.07	3	V	225	1.50	-

802.11a_(6Mbps)_4TX

5700MHz_TX

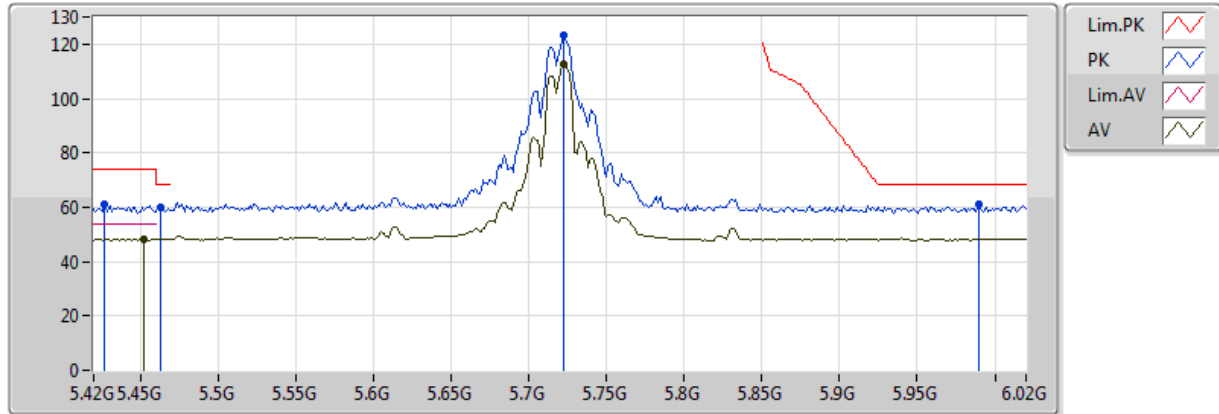


20170821
EUT_Y_4TX
Setting 20.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.40412G	43.72	54.00	-10.28	16.07	3	H	195	1.50	-
PK	11.4016G	57.55	74.00	-16.45	16.07	3	H	195	1.50	-

802.11a_(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

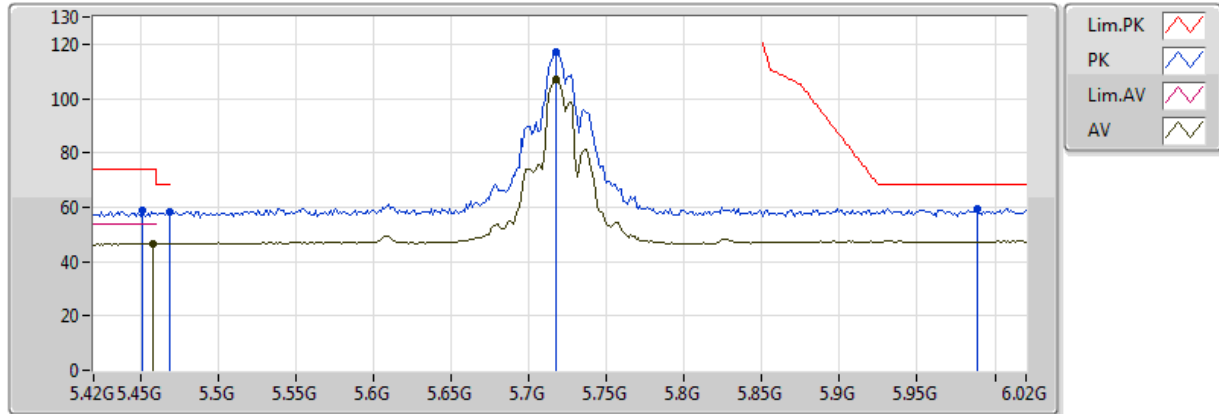


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4524G	48.07	54.00	-5.93	4.91	3	V	1	1.50	-
AV	5.7224G	112.64	Inf	-Inf	5.74	3	V	1	1.50	-
PK	5.4272G	60.83	74.00	-13.17	4.84	3	V	1	1.50	-
PK	5.4632G	59.69	68.20	-8.51	4.93	3	V	1	1.50	-
PK	5.7224G	123.53	Inf	-Inf	5.74	3	V	1	1.50	-
PK	5.99G	60.84	68.20	-7.36	6.68	3	V	1	1.50	-

802.11a_(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX

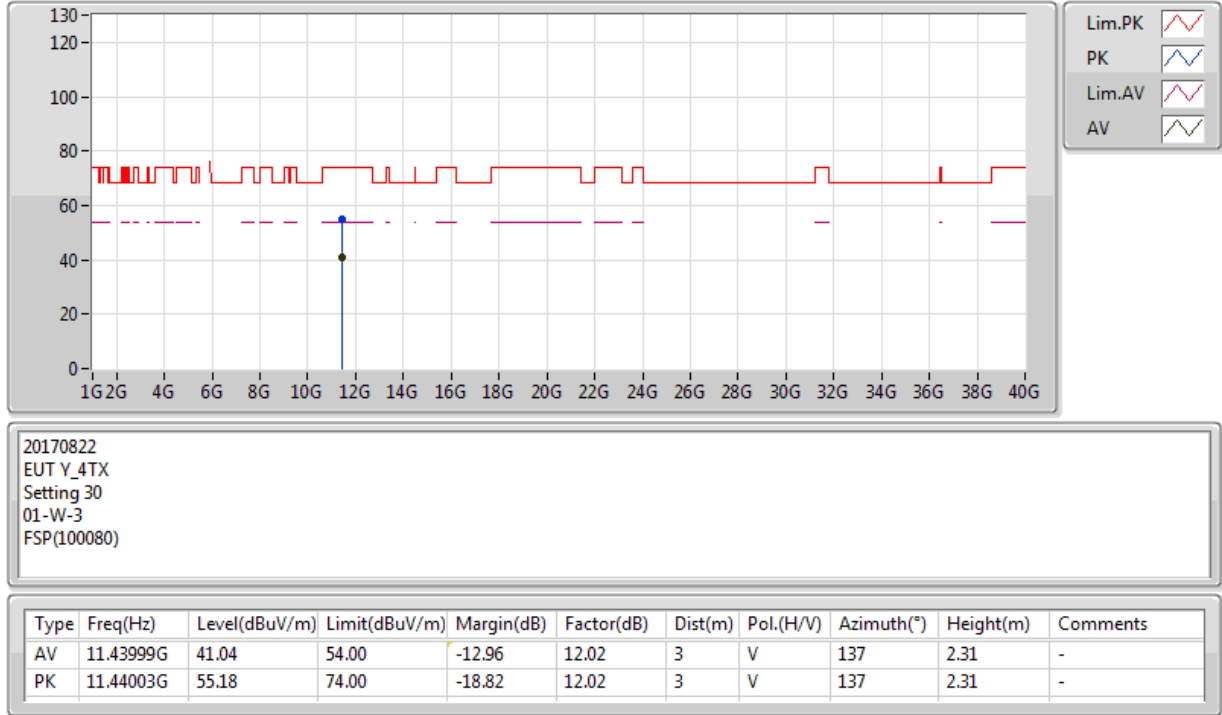


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4584G	46.59	54.00	-7.41	4.92	3	H	59	1.29	-
AV	5.7176G	107.26	Inf	-Inf	5.73	3	H	59	1.29	-
PK	5.4512G	58.99	74.00	-15.01	4.90	3	H	59	1.29	-
PK	5.4692G	58.09	68.20	-10.11	4.95	3	H	59	1.29	-
PK	5.7176G	117.32	Inf	-Inf	5.73	3	H	59	1.29	-
PK	5.9888G	59.49	68.20	-8.71	6.68	3	H	59	1.29	-

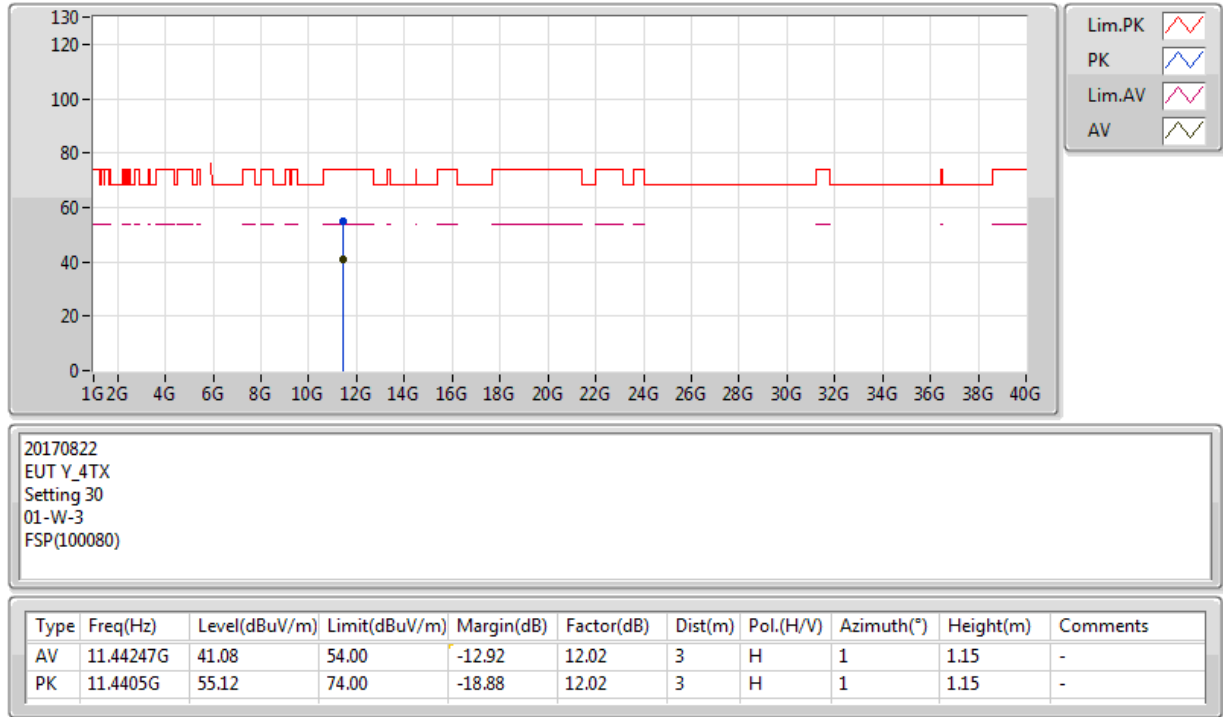
802.11a_(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX



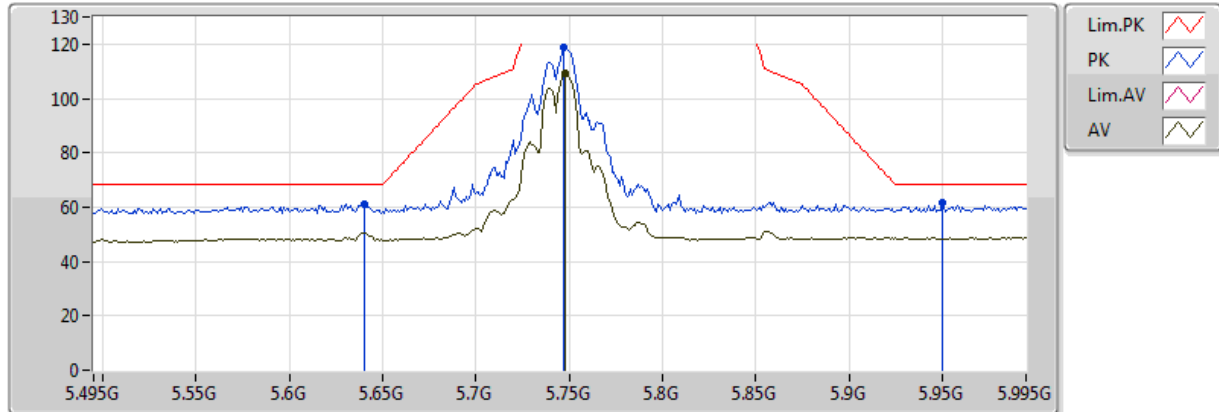
802.11a_(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz_TX



802.11a_(6Mbps)_4TX

5745MHz_TX

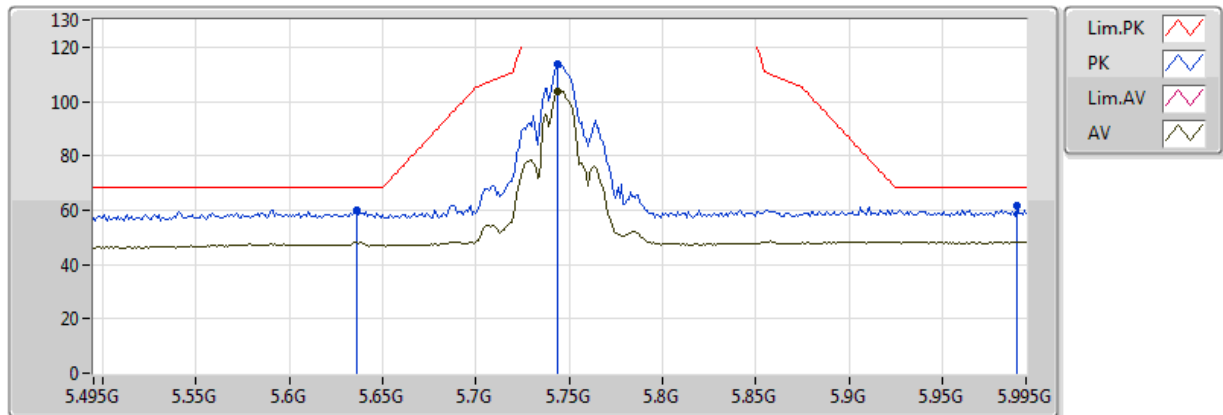


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.748G	109.11	Inf	-Inf	7.07	3	V	184	1.50	-
PK	5.64G	61.07	68.20	-7.13	6.86	3	V	184	1.50	-
PK	5.747G	118.62	Inf	-Inf	7.07	3	V	184	1.50	-
PK	5.95G	61.36	68.20	-6.84	8.16	3	V	184	1.50	-

802.11a_(6Mbps)_4TX

5745MHz_TX

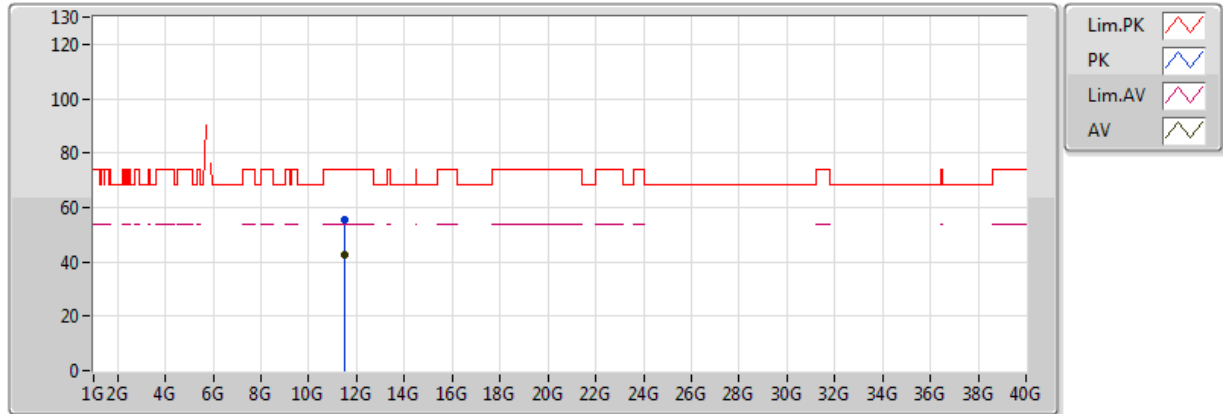


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.744G	103.91	Inf	-Inf	7.06	3	H	246	1.86	-
PK	5.636G	60.10	68.20	-8.10	6.85	3	H	246	1.86	-
PK	5.744G	113.66	Inf	-Inf	7.06	3	H	246	1.86	-
PK	5.99G	61.36	68.20	-6.84	8.42	3	H	246	1.86	-

802.11a_(6Mbps)_4TX

5745MHz_TX

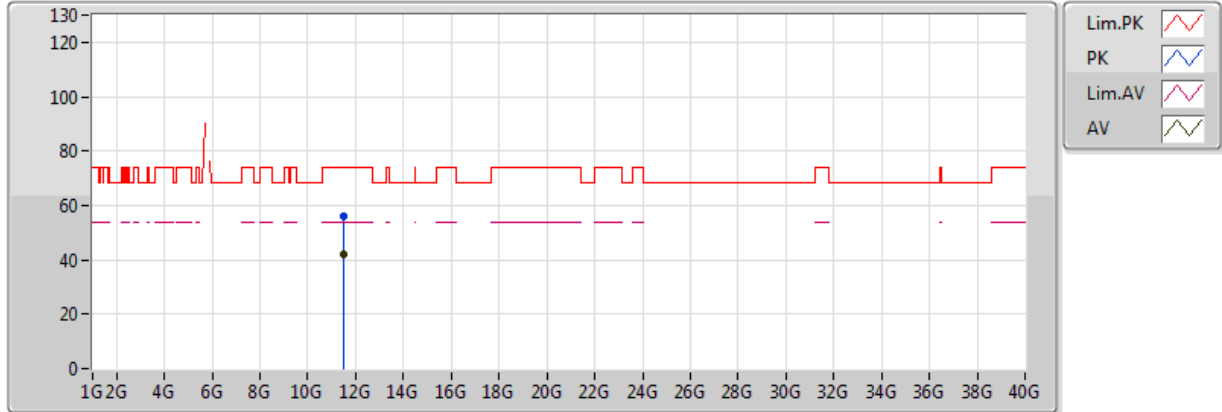


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49256G	42.32	54.00	-11.68	16.13	3	V	6	1.50	-
PK	11.49244G	55.61	74.00	-18.39	16.13	3	V	6	1.50	-

802.11a_(6Mbps)_4TX

5745MHz_TX

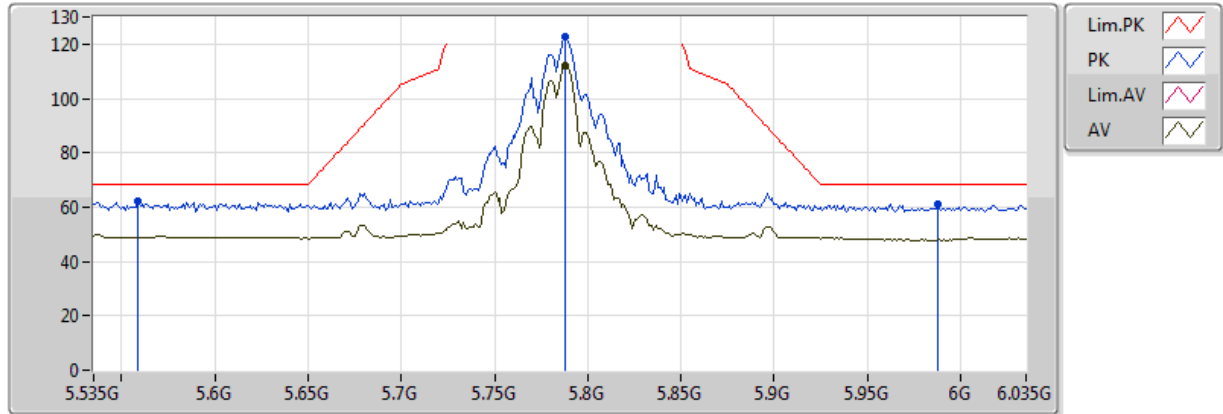


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.48792G	42.30	54.00	-11.70	16.12	3	H	44	1.50	-
PK	11.492G	55.91	74.00	-18.09	16.12	3	H	44	1.50	-

802.11a_(6Mbps)_4TX

5785MHz_TX

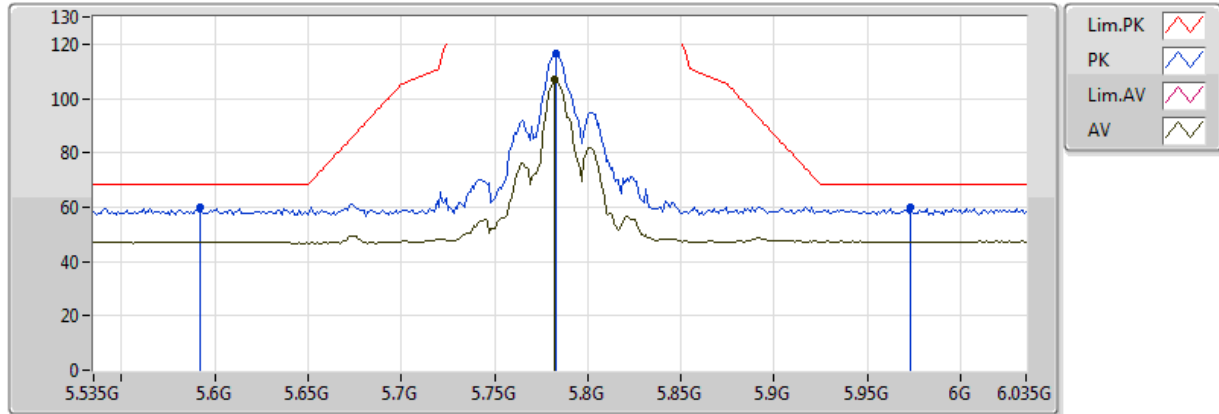


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.788G	111.96	Inf	-Inf	5.93	3	V	1	1.50	-
PK	5.559G	62.10	68.20	-6.10	5.24	3	V	1	1.50	-
PK	5.788G	122.53	Inf	-Inf	5.93	3	V	1	1.50	-
PK	5.988G	60.96	68.20	-7.24	6.67	3	V	1	1.50	-

802.11a_(6Mbps)_4TX

5785MHz_TX

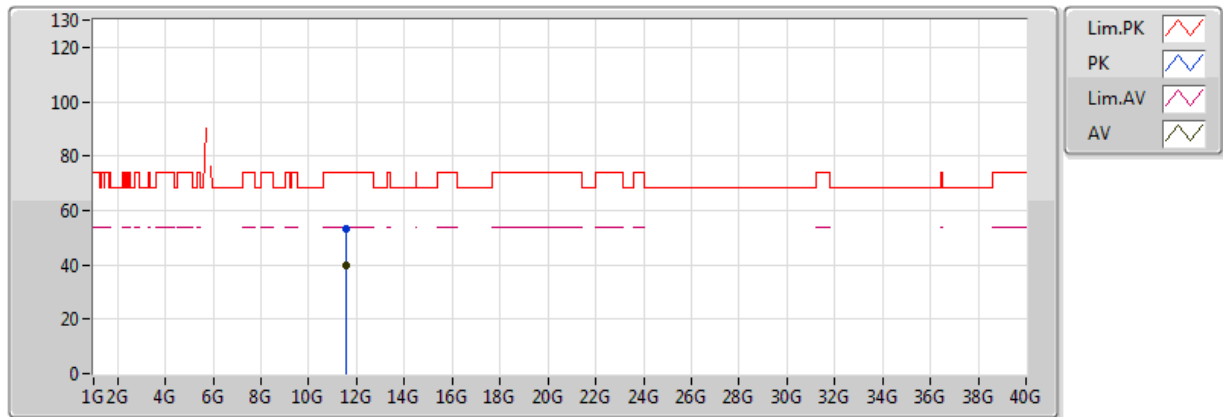


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.782G	106.75	Inf	-Inf	5.91	3	H	52	1.31	-
PK	5.592G	59.74	68.20	-8.46	5.35	3	H	52	1.31	-
PK	5.783G	116.65	Inf	-Inf	5.91	3	H	52	1.31	-
PK	5.973G	60.03	68.20	-8.17	6.62	3	H	52	1.31	-

802.11a_(6Mbps)_4TX

5785MHz_TX

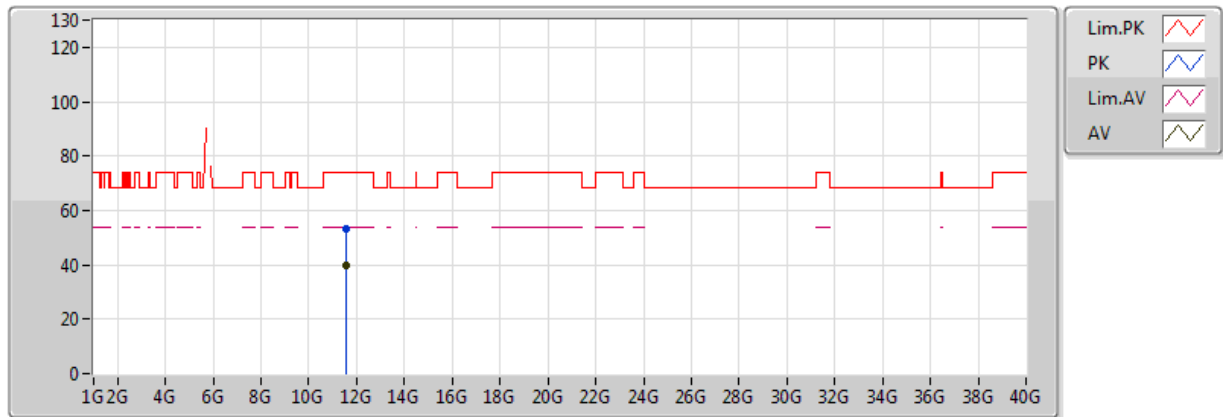


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.56933G	39.69	54.00	-14.31	12.08	3	V	123	1.38	-
PK	11.57131G	53.51	74.00	-20.49	12.08	3	V	123	1.38	-

802.11a_(6Mbps)_4TX

5785MHz_TX

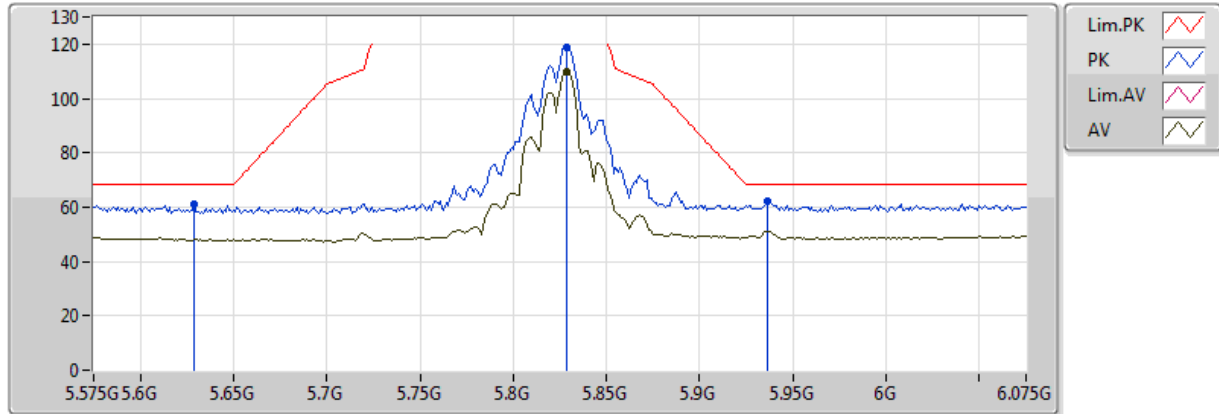


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57216G	39.68	54.00	-14.32	12.08	3	H	150	1.50	-
PK	11.57125G	53.15	74.00	-20.85	12.08	3	H	150	1.50	-

802.11a_(6Mbps)_4TX

5825MHz_TX

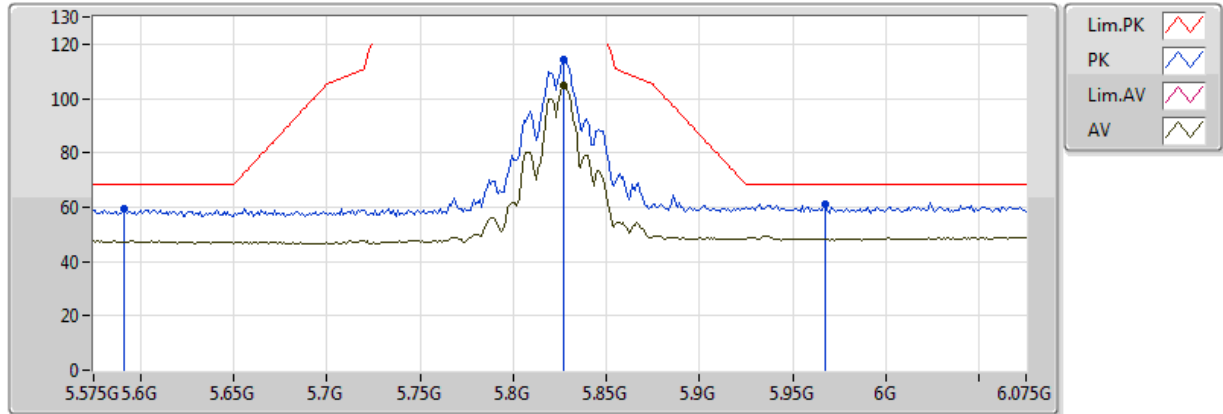


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.829G	109.70	Inf	-Inf	7.37	3	V	185	1.50	-
PK	5.629G	60.80	68.20	-7.40	6.84	3	V	185	1.50	-
PK	5.829G	118.93	Inf	-Inf	7.37	3	V	185	1.50	-
PK	5.936G	62.38	68.20	-5.82	8.06	3	V	185	1.50	-

802.11a_(6Mbps)_4TX

5825MHz_TX

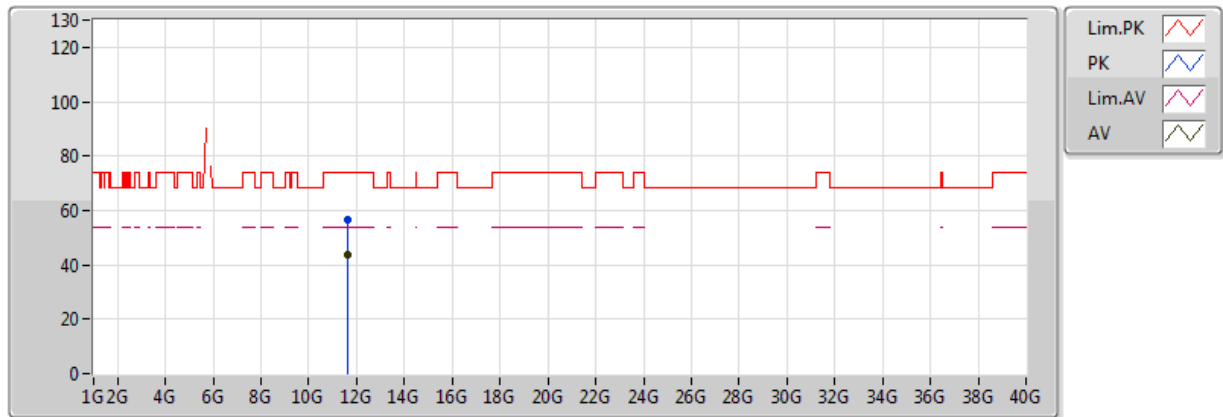


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.827G	104.83	Inf	-Inf	7.36	3	H	164	1.81	-
PK	5.591G	59.41	68.20	-8.79	6.72	3	H	164	1.81	-
PK	5.827G	114.22	Inf	-Inf	7.36	3	H	164	1.81	-
PK	5.967G	60.87	68.20	-7.33	8.27	3	H	164	1.81	-

802.11a_(6Mbps)_4TX

5825MHz_TX

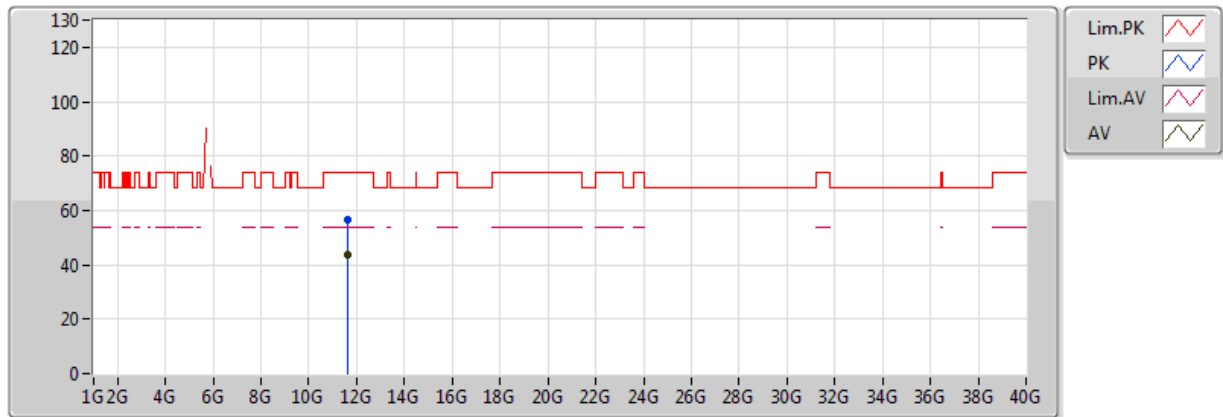


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.6484G	43.68	54.00	-10.32	16.23	3	V	84	1.50	-
PK	11.64648G	56.48	74.00	-17.52	16.23	3	V	84	1.50	-

802.11a_(6Mbps)_4TX

5825MHz_TX

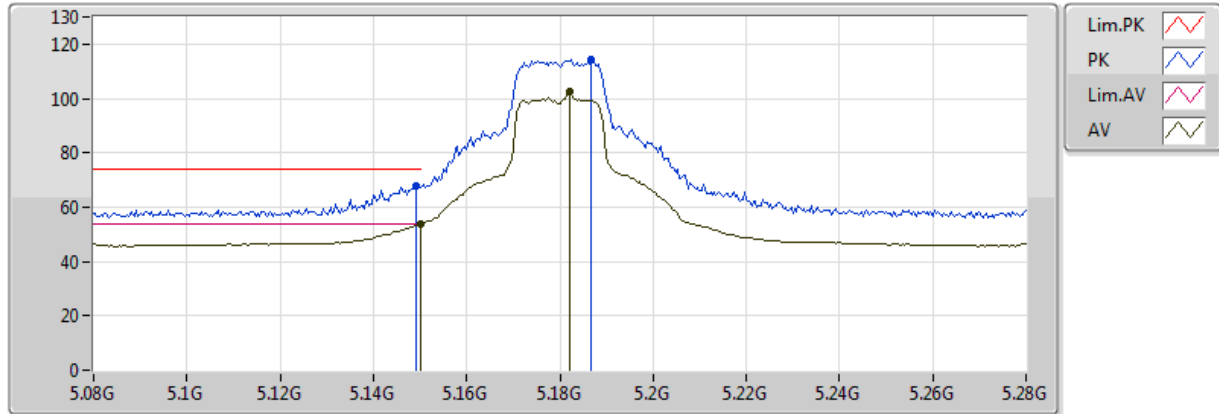


20170821
EUT_Y_4TX
Setting 30
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65164G	43.56	54.00	-10.44	16.23	3	H	134	1.50	-
PK	11.65234G	56.59	74.00	-17.41	16.23	3	H	134	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

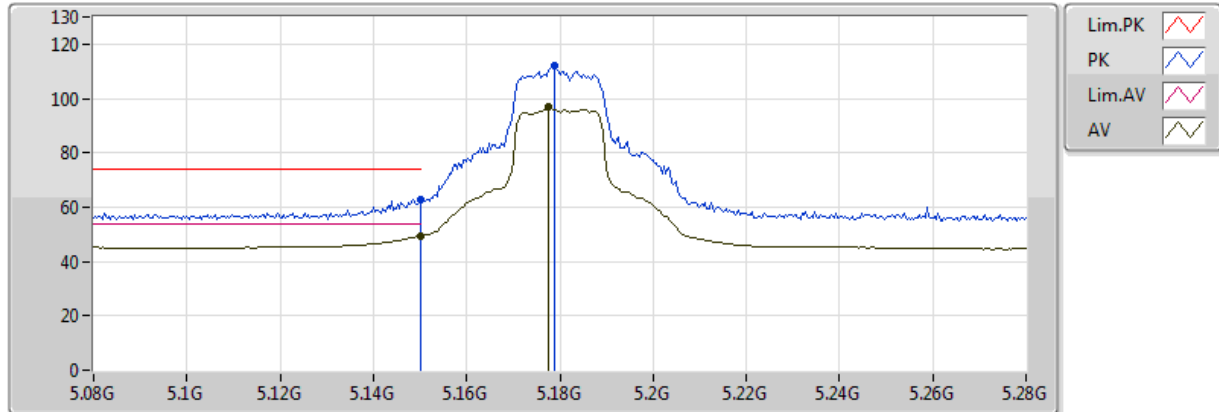


20170821
EUT_Y_4TX
Setting 21.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.96	54.00	-0.04	5.31	3	V	194	1.62	-
AV	5.182G	102.75	Inf	-Inf	5.43	3	V	194	1.62	-
PK	5.1492G	67.94	74.00	-6.06	5.31	3	V	194	1.62	-
PK	5.1868G	114.19	Inf	-Inf	5.44	3	V	194	1.62	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

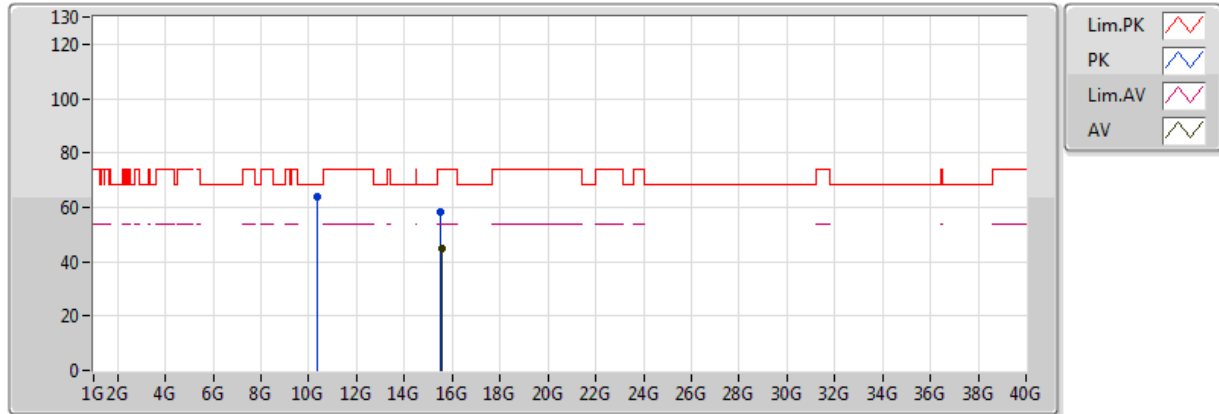


20170821
EUT_Y_4TX
Setting 21.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.39	54.00	-4.61	5.31	3	H	21	1.50	-
AV	5.1776G	96.70	Inf	-Inf	5.41	3	H	21	1.50	-
PK	5.149995G	63.02	74.00	-10.98	5.31	3	H	21	1.50	-
PK	5.1788G	112.22	Inf	-Inf	5.42	3	H	21	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

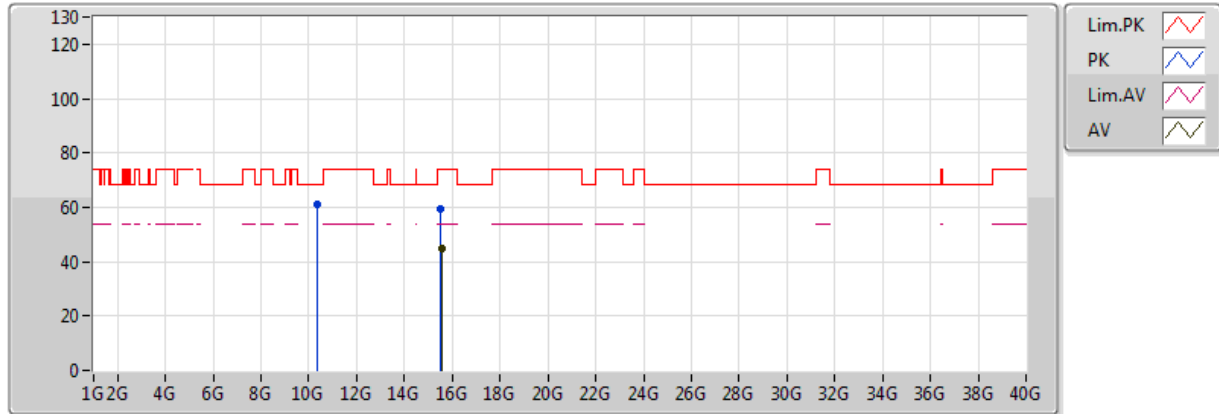


20170822
EUT_Y_4TX
Setting 21.5
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.54092G	45.04	54.00	-8.96	13.80	3	V	337	1.17	-
PK	10.36108G	64.15	68.20	-4.05	11.08	3	V	37	1.76	-
PK	15.53736G	58.43	74.00	-15.57	13.80	3	V	337	1.17	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5180MHz_TX

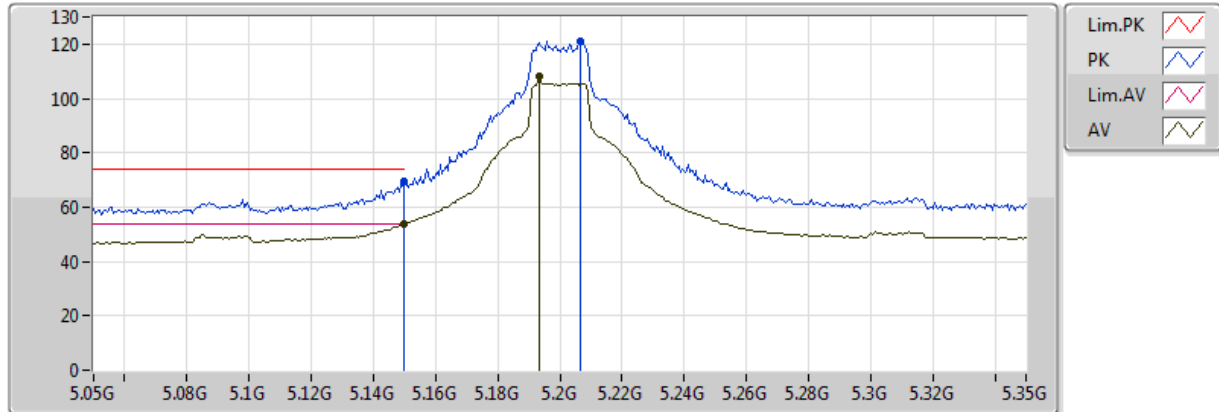


20170822
EUT_Y_4TX
Setting 21.5
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.543G	45.03	54.00	-8.97	13.80	3	H	98	2.40	-
PK	10.36142G	61.27	68.20	-6.93	11.08	3	H	176	2.97	-
PK	15.53148G	59.25	74.00	-14.75	13.81	3	H	98	2.40	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

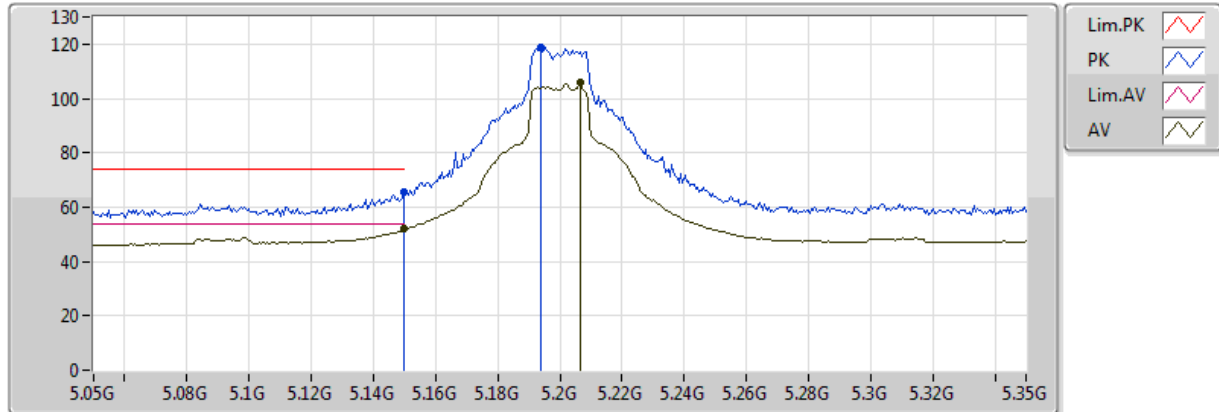


20170822
EUT_Y_4TX
Setting 25
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.84	54.00	-0.16	4.27	3	V	21	1.50	-
AV	5.1934G	107.90	Inf	-Inf	4.37	3	V	21	1.50	-
PK	5.149995G	69.32	74.00	-4.68	4.27	3	V	21	1.50	-
PK	5.2066G	121.02	Inf	-Inf	4.39	3	V	21	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

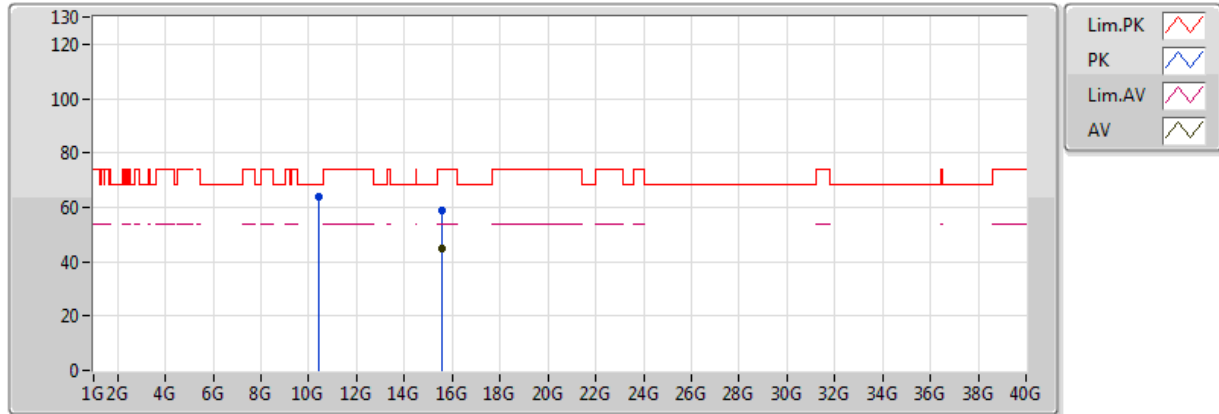


20170822
EUT_Y_4TX
Setting 25
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.96	54.00	-2.04	4.27	3	H	201	2.29	-
AV	5.2066G	105.84	Inf	-Inf	4.39	3	H	201	2.29	-
PK	5.149995G	65.80	74.00	-8.20	4.27	3	H	201	2.29	-
PK	5.194G	119.02	Inf	-Inf	4.37	3	H	201	2.29	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

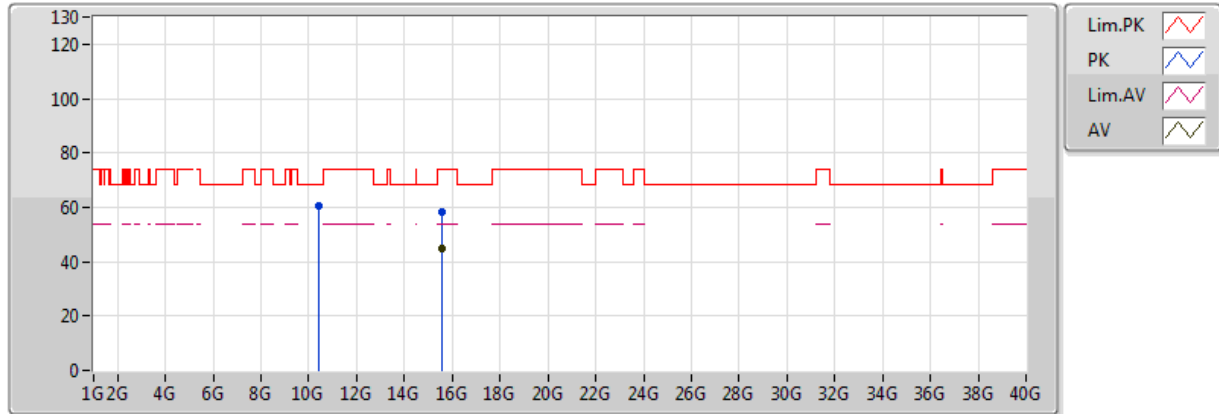


20170822
EUT_Y_4TX
Setting 25
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.59644G	44.79	54.00	-9.21	13.73	3	V	35	1.67	-
PK	10.40098G	63.77	68.20	-4.43	11.12	3	V	35	1.76	-
PK	15.60072G	58.82	74.00	-15.18	13.73	3	V	35	1.67	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5200MHz_TX

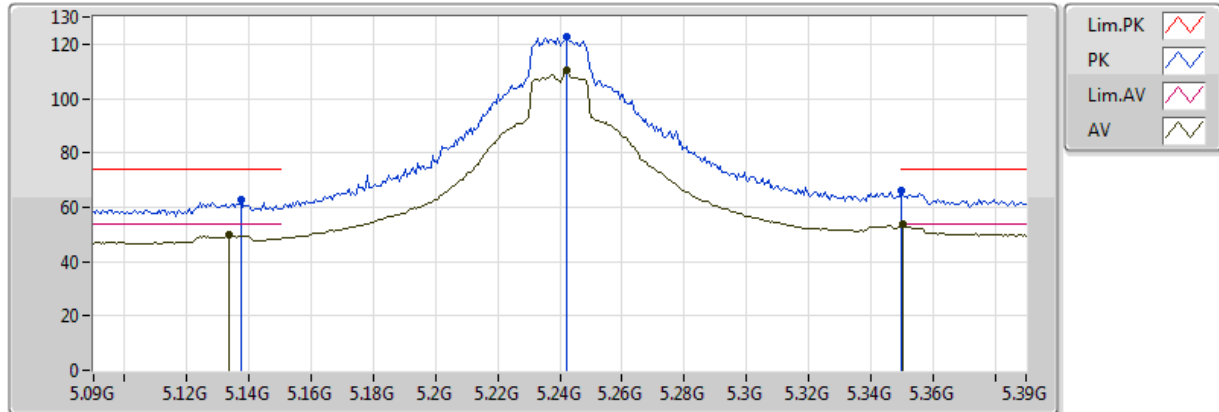


20170822
EUT_Y_4TX
Setting 25
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.597G	44.67	54.00	-9.33	13.73	3	H	227	1.77	-
PK	10.39774G	60.52	68.20	-7.68	11.12	3	H	176	2.99	-
PK	15.59826G	58.31	74.00	-15.69	13.73	3	H	227	1.77	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

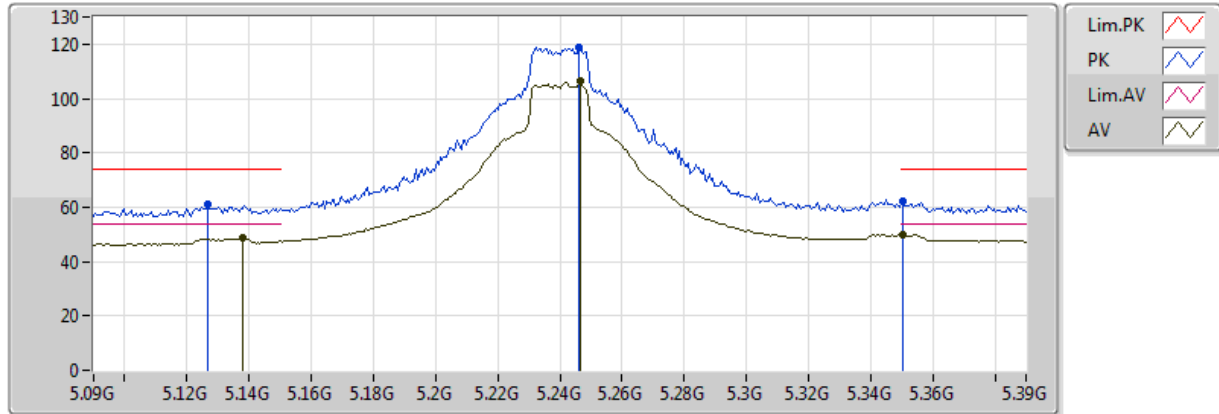


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1338G	49.77	54.00	-4.23	4.23	3	V	4	1.67	-
AV	5.2424G	110.56	Inf	-Inf	4.47	3	V	4	1.67	-
AV	5.3504G	53.65	54.00	-0.35	4.68	3	V	4	1.67	-
PK	5.1374G	62.64	74.00	-11.36	4.24	3	V	4	1.67	-
PK	5.2424G	122.47	Inf	-Inf	4.47	3	V	4	1.67	-
PK	5.350005G	65.90	74.00	-8.10	4.68	3	V	4	1.67	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

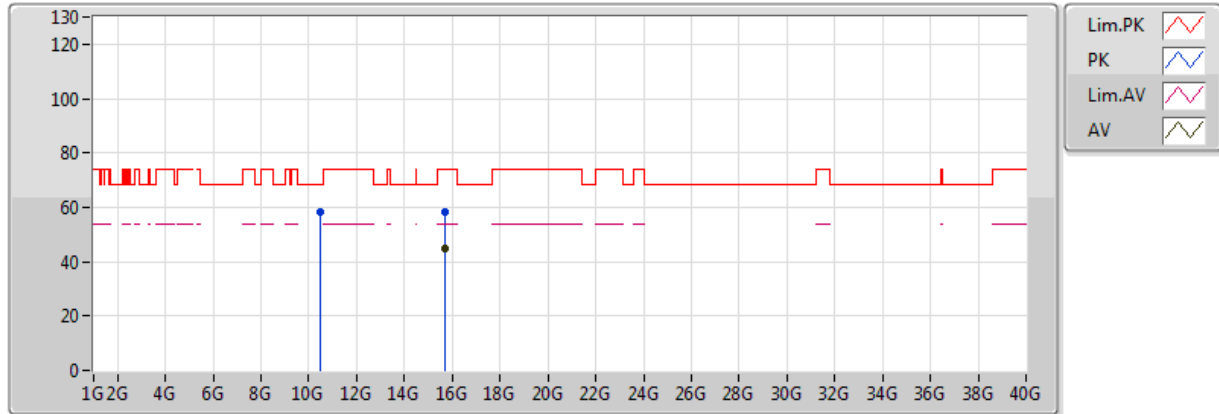


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.138G	48.81	54.00	-5.19	4.24	3	H	199	2.13	-
AV	5.2466G	106.45	Inf	-Inf	4.48	3	H	199	2.13	-
AV	5.3504G	50.15	54.00	-3.85	4.68	3	H	199	2.13	-
PK	5.1266G	60.83	74.00	-13.17	4.22	3	H	199	2.13	-
PK	5.246G	119.00	Inf	-Inf	4.48	3	H	199	2.13	-
PK	5.3504G	61.92	74.00	-12.08	4.68	3	H	199	2.13	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

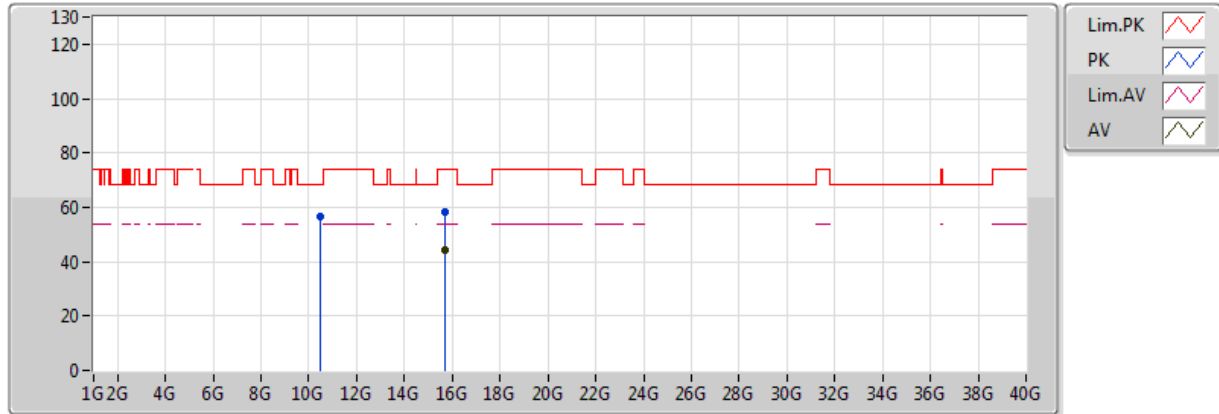


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71708G	44.55	54.00	-9.45	13.58	3	V	41	1.59	-
PK	10.48056G	58.22	68.20	-9.98	11.21	3	V	34	1.76	-
PK	15.71788G	58.06	74.00	-15.94	13.58	3	V	41	1.59	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5240MHz_TX

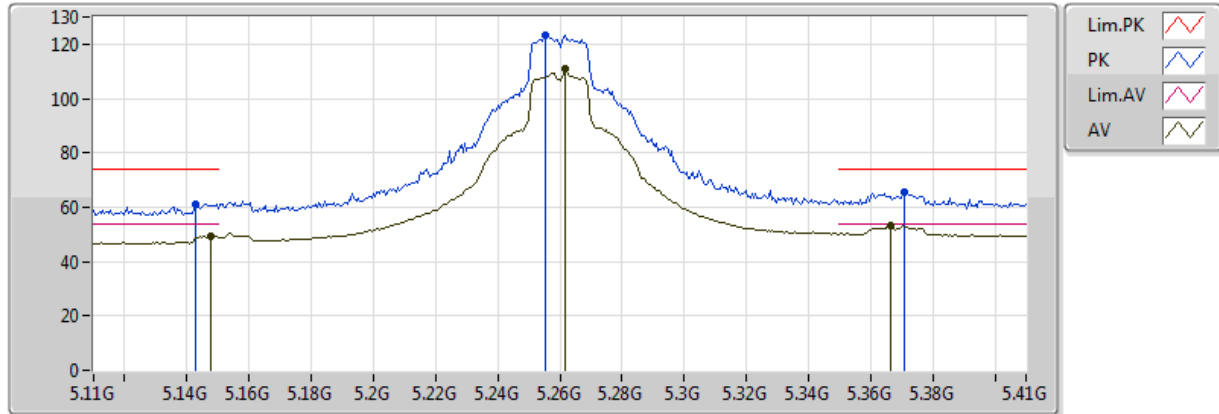


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.71556G	44.47	54.00	-9.53	13.58	3	H	160	2.45	-
PK	10.4772G	56.49	68.20	-11.71	11.21	3	H	197	2.19	-
PK	15.72088G	58.08	74.00	-15.92	13.58	3	H	160	2.45	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

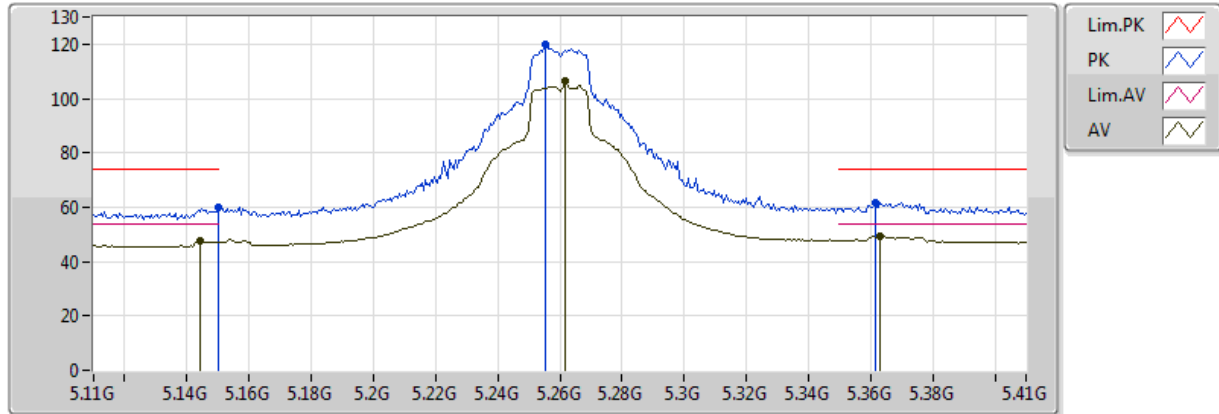


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1478G	49.32	54.00	-4.68	4.27	3	V	4	1.93	-
AV	5.2618G	110.72	Inf	-Inf	4.51	3	V	4	1.93	-
AV	5.3662G	53.45	54.00	-0.55	4.71	3	V	4	1.93	-
PK	5.143G	61.24	74.00	-12.76	4.25	3	V	4	1.93	-
PK	5.2552G	123.45	Inf	-Inf	4.50	3	V	4	1.93	-
PK	5.371G	65.36	74.00	-8.64	4.72	3	V	4	1.93	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

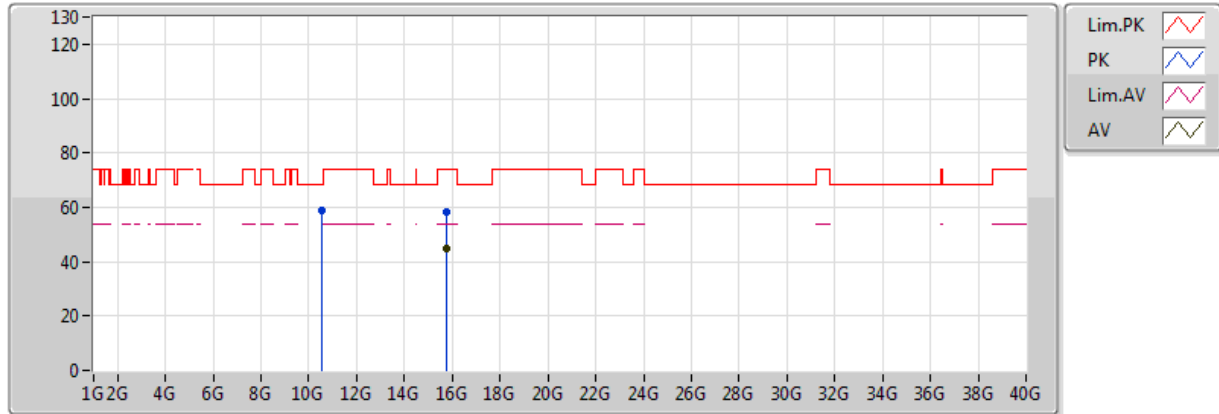


20170822
EUT_Y_4TX
Setting 30
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1442G	47.40	54.00	-6.60	4.26	3	H	176	2.82	-
AV	5.2618G	106.22	Inf	-Inf	4.51	3	H	176	2.82	-
AV	5.3632G	49.21	54.00	-4.79	4.70	3	H	176	2.82	-
PK	5.149995G	60.19	74.00	-13.81	4.27	3	H	176	2.82	-
PK	5.2552G	119.93	Inf	-Inf	4.50	3	H	176	2.82	-
PK	5.3614G	61.63	74.00	-12.37	4.70	3	H	176	2.82	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

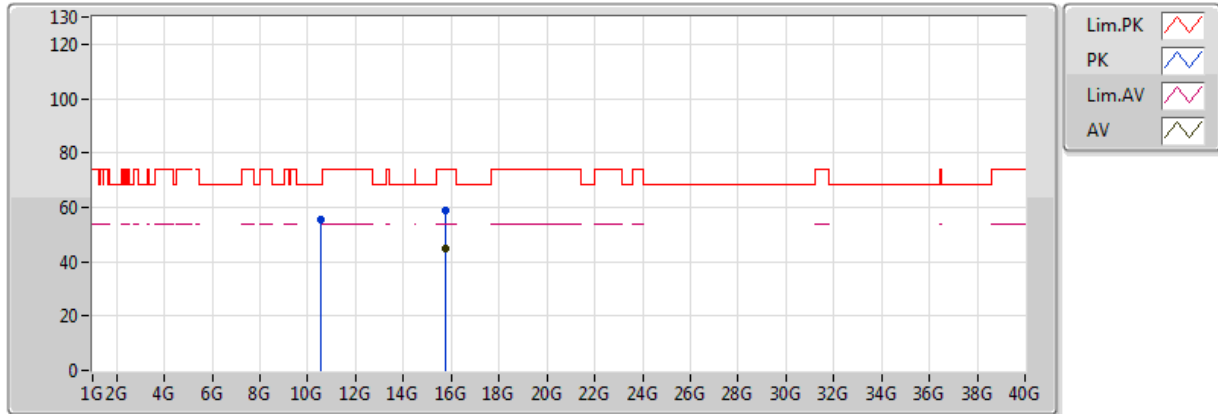


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.77964G	44.79	54.00	-9.21	13.50	3	V	330	2.32	-
PK	10.52496G	59.06	68.20	-9.14	11.26	3	V	30	1.82	-
PK	15.77896G	58.33	74.00	-15.67	13.50	3	V	330	2.32	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

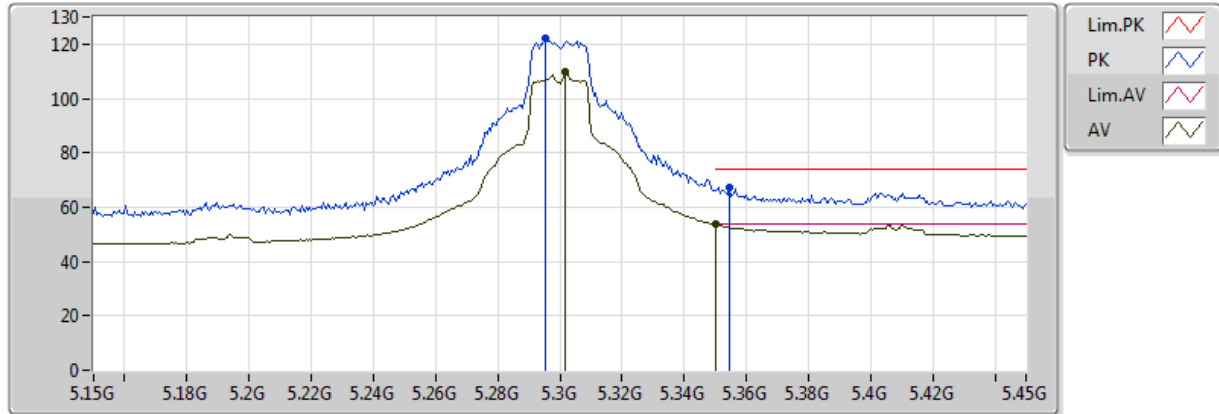


20170822
EUT_Y_4TX
Setting 30
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	15.78G	44.67	54.00	-9.33	13.50	3	H	29	1.99	-
PK	10.521G	55.64	68.20	-12.56	11.26	3	H	196	2.41	-
PK	15.77538G	58.70	74.00	-15.30	13.51	3	H	29	1.99	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

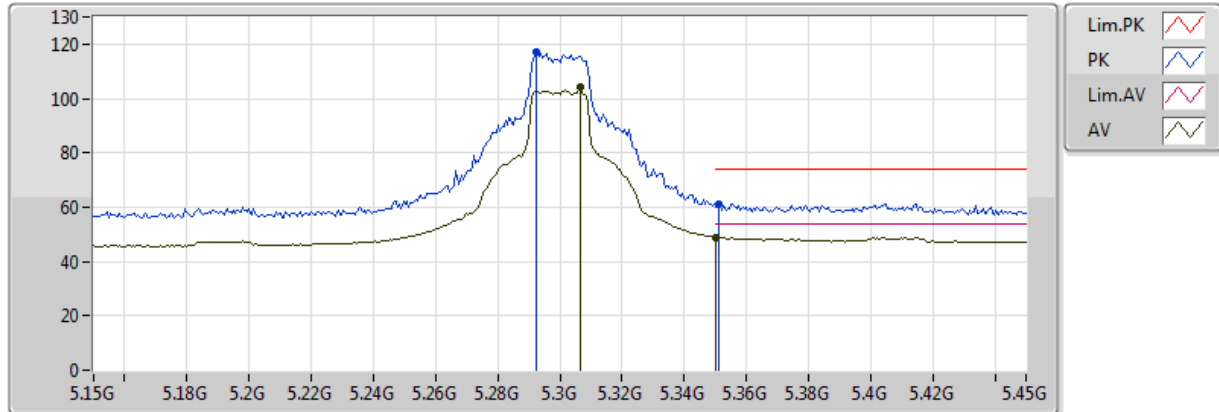


20170822
EUT_Y_4TX
Setting 23
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3018G	109.94	Inf	-Inf	4.59	3	V	5	1.84	-
AV	5.350005G	53.66	54.00	-0.34	4.68	3	V	5	1.84	-
PK	5.2952G	122.24	Inf	-Inf	4.58	3	V	5	1.84	-
PK	5.3546G	67.26	74.00	-6.74	4.69	3	V	5	1.84	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

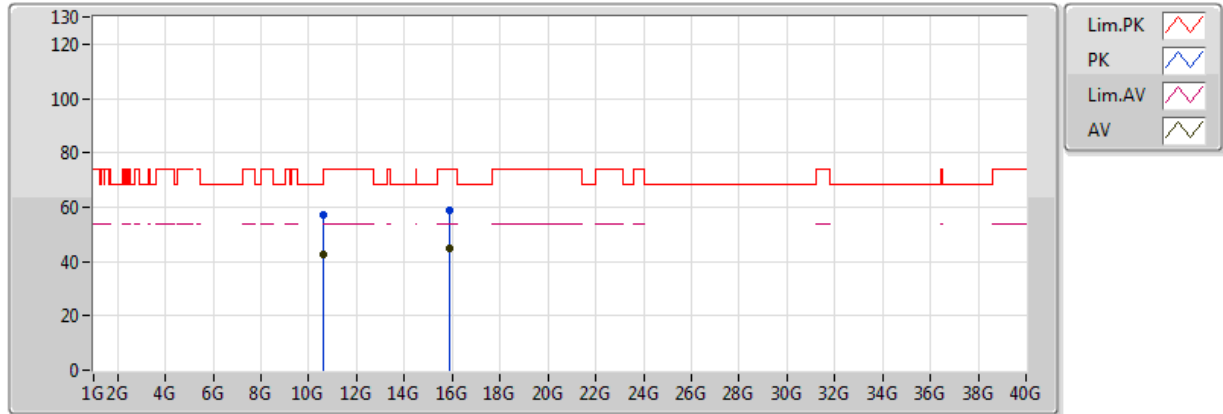


20170822
EUT_Y_4TX
Setting 23
01-W-3-10
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3066G	104.17	Inf	-Inf	4.60	3	H	202	2.11	-
AV	5.350005G	49.01	54.00	-4.99	4.68	3	H	202	2.11	-
PK	5.2922G	117.09	Inf	-Inf	4.57	3	H	202	2.11	-
PK	5.351G	61.33	74.00	-12.67	4.68	3	H	202	2.11	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

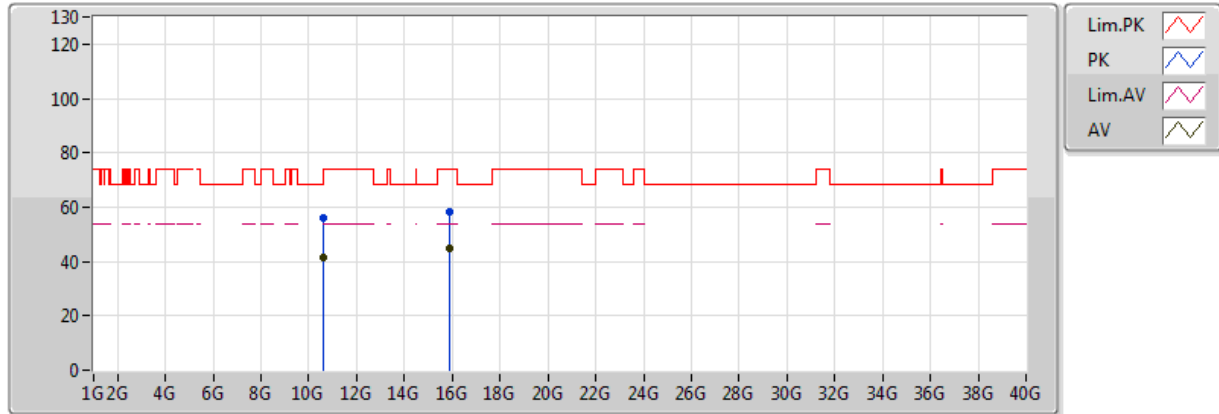


20170822
EUT_Y_4TX
Setting 23
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60062G	42.68	54.00	-11.32	11.35	3	V	13	1.96	-
AV	15.90344G	44.78	54.00	-9.22	13.35	3	V	236	1.40	-
PK	10.60044G	56.98	74.00	-17.02	11.35	3	V	13	1.96	-
PK	15.90186G	58.89	74.00	-15.11	13.35	3	V	236	1.40	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5300MHz_TX

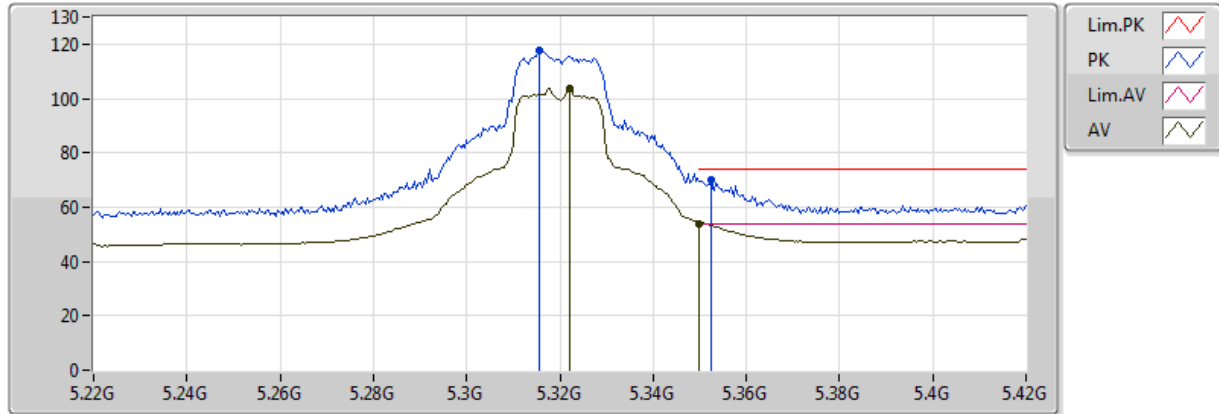


20170822
EUT_Y_4TX
Setting 23
01-W-3
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.60084G	41.68	54.00	-12.32	11.35	3	H	142	2.25	-
AV	15.9047G	44.76	54.00	-9.24	13.35	3	H	355	2.12	-
PK	10.60042G	55.87	74.00	-18.13	11.35	3	H	142	2.25	-
PK	15.90186G	58.22	74.00	-15.78	13.35	3	H	355	2.12	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX

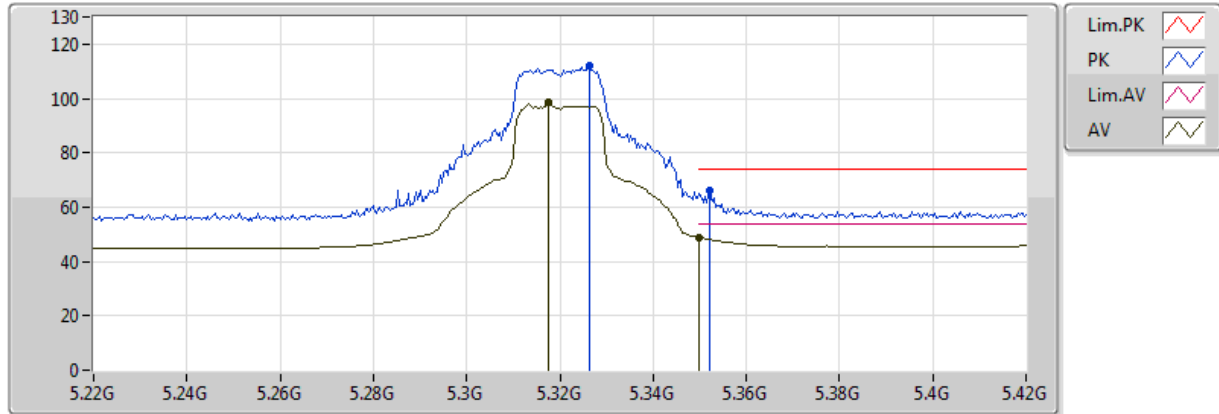


20170821
EUT_Y_4TX
Setting 21.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.322G	103.86	Inf	-Inf	5.62	3	V	193	1.99	-
AV	5.350005G	53.96	54.00	-0.04	5.65	3	V	193	1.99	-
PK	5.3156G	117.40	Inf	-Inf	5.62	3	V	193	1.99	-
PK	5.3524G	70.27	74.00	-3.73	5.65	3	V	193	1.99	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5320MHz_TX



20170821
EUT_Y_4TX
Setting 21.5
04-M-0-10
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3176G	98.77	Inf	-Inf	5.62	3	H	17	1.98	-
AV	5.350005G	48.70	54.00	-5.30	5.65	3	H	17	1.98	-
PK	5.3264G	111.87	Inf	-Inf	5.63	3	H	17	1.98	-
PK	5.352G	66.37	74.00	-7.63	5.65	3	H	17	1.98	-