



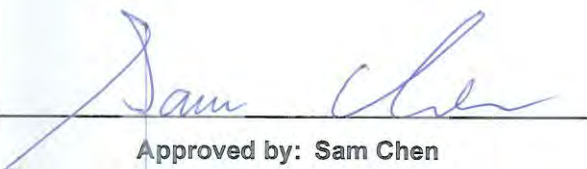
FCC RADIO TEST REPORT

FCC ID : RAXG3100V1
Equipment : Fios Home Router, Fios Business Router
Brand Name : Verizon
Model Name : G3100
Applicant : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Manufacturer : Arcadyan Technology Corporation
No.8, Sec.2, Guangfu Rd.,Hsinchu, 30071 Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 01, 2019, and testing was started from Apr. 02, 2019 and completed on Jun. 04, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Sam Chen

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



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Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Note: Reference to Sporton Project No.: 932731

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Emily Chen



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT160	160	4TX
5.15-5.25GHz	802.11ac VHT160-BF	160	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.15-5.25GHz	802.11ax HEW160-BF	160	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	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	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	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	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT160	160	4TX
5.25-5.35GHz	802.11ac VHT160-BF	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	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	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						WLAN 2.4GHz	5GHz B1, B2	5GHz B3, B4
1	4	Arcadyan	-	Monopole	N/A	2.2	0.4	-
2	2	Arcadyan	12080073700J	PCB	I-PEX	0.3	1.2	-
3	3	Arcadyan	12080073800J	PCB	I-PEX	2.49	0.9	-
4	1	Arcadyan	12080073900J	PCB	I-PEX	1.7	2.48	-
5	3	Arcadyan	12080073400J	PCB	I-PEX	-	-	0.7
6	2	Arcadyan	12080073300J	PCB	I-PEX	-	-	1.3
7	1	Arcadyan	12080073600J	PCB	I-PEX	-	-	0.4
8	4	Arcadyan	12080073500J	PCB	I-PEX	-	-	1.6

Note: The above information was declared by manufacturer.

<For WLAN 2.4GHz Function>

For IEEE 802.11b mode (1TX/1RX):

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

For IEEE 802.11g/n/VHT/ax mode (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 WLAN 5GHz Function>

For IEEE 802.11a/n/ac mode (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.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.953	0.209	2.068m	1k
802.11ac VHT20	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20-BF	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20	0.981	0.083	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20-BF	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.974	0.114	5.007m	300
802.11ac VHT40-BF	0.974	0.114	5.007m	300
802.11ax HEW40	0.961	0.173	773.75u	3k
802.11ax HEW40-BF	0.958	0.186	4.36m	300
802.11ac VHT80	0.942	0.259	5.007m	300
802.11ac VHT80-BF	0.942	0.259	5.007m	300
802.11ax HEW80	0.931	0.311	401.25u	3k
802.11ax HEW80-BF	0.94	0.269	4.51m	300
802.11ac VHT160	0.916	0.381	5.007m	300
802.11ac VHT160-BF	0.954	0.205	4.338m	300
802.11ax HEW160	0.916	0.381	5.007m	300
802.11ax HEW160-BF	0.954	0.205	4.338m	300

Note:

- ◆ DC is Duty Cycle.
- ◆ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for 11n/VHT/11ax in 2.4GHz and 11n/11ac/11ax in 5GHz.			
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
Function	<input type="checkbox"/>	Outdoor P2M	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
TPC Function	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
Test Software Version	MTool 3.1.0.1			

Note: The above information was declared by manufacturer.



1.1.5 Table for Multiple Listing

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

Equipment Name	Model Name	Description
Fios Home Router	G3100	All the equipments are identical, the difference equipment name served as marketing strategy.
Fios Business Router		



1.2 Applicable Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ FCC KDB 789033 D02 v02r01
- ◆ FCC KDB 662911 D01 v02r01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Serway Li	24~26°C / 57~59%	May 02, 2019~Jun. 04, 2019
Radiated (below 1GHz)	03CH04-CB	Stim Sung	22~24°C / 50~60%	Apr. 02, 2019~Jun. 04, 2019
Radiated (above 1GHz)	03CH06-CB			
AC Conduction	CO02-CB	GN Hou	21.2~22.4°C / 62~65%	May 14, 2019

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	71
5300MHz	72
5320MHz	73
5500MHz	73
5580MHz	71
5700MHz	69
5720MHz Straddle 5.47-5.725GHz	71
5720MHz Straddle 5.725-5.85GHz	71
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	72
5300MHz	73
5320MHz	74
5500MHz	73
5580MHz	71
5700MHz	54
5720MHz Straddle 5.47-5.725GHz	74
5720MHz Straddle 5.725-5.85GHz	74
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	72
5300MHz	73
5320MHz	74
5500MHz	73
5580MHz	71
5700MHz	54
5720MHz Straddle 5.47-5.725GHz	74
5720MHz Straddle 5.725-5.85GHz	74
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	72
5310MHz	74
5510MHz	72
5550MHz	71
5670MHz	73
5710MHz Straddle 5.47-5.725GHz	75
5710MHz Straddle 5.725-5.85GHz	75
802.11ax HEW40_Nss1,(MCS0)_4TX	-



Mode	Power Setting
5270MHz	72
5310MHz	74
5510MHz	72
5550MHz	71
5670MHz	73
5710MHz Straddle 5.47-5.725GHz	75
5710MHz Straddle 5.725-5.85GHz	75
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	72
5530MHz	71
5610MHz	74
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	72
5530MHz	71
5610MHz	74
5690MHz Straddle 5.47-5.725GHz	73
5690MHz Straddle 5.725-5.85GHz	73
802.11ac VHT160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	65
5250MHz Straddle 5.25-5.35GHz	65
5570MHz	68
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	65
5250MHz Straddle 5.25-5.35GHz	65
5570MHz	68
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
5260MHz	68
5300MHz	69
5320MHz	70
5500MHz	70
5580MHz	68
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	71
5720MHz Straddle 5.725-5.85GHz	71
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	68
5300MHz	69
5320MHz	70



Mode	Power Setting
5500MHz	70
5580MHz	68
5700MHz	65
5720MHz Straddle 5.47-5.725GHz	71
5720MHz Straddle 5.725-5.85GHz	71
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
5270MHz	67
5310MHz	69
5510MHz	67
5550MHz	67
5670MHz	69
5710MHz Straddle 5.47-5.725GHz	70
5710MHz Straddle 5.725-5.85GHz	70
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	67
5310MHz	69
5510MHz	67
5550MHz	67
5670MHz	69
5710MHz Straddle 5.47-5.725GHz	70
5710MHz Straddle 5.725-5.85GHz	70
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-
5290MHz	69
5530MHz	63
5610MHz	70
5690MHz Straddle 5.47-5.725GHz	70
5690MHz Straddle 5.725-5.85GHz	70
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	69
5530MHz	63
5610MHz	70
5690MHz Straddle 5.47-5.725GHz	70
5690MHz Straddle 5.725-5.85GHz	70
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	69
5250MHz Straddle 5.25-5.35GHz	69
5570MHz	67
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	69
5250MHz Straddle 5.25-5.35GHz	69



Mode	Power Setting
5570MHz	67

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.
- ♦ There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 11n/VHT/11ax in 2.4GHz and 11n/11ac/11ax in 5GHz. Both modes have been tested and recorded in this test report.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	WLAN 2.4GHz – EUT + Adapter 1
2	WLAN 2.4GHz – EUT + Adapter 2
Mode 2 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	WLAN 5GHz – EUT + Adapter 2
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
Test Condition	Conducted measurement at transmit chains

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz + WLAN 5GHz Band 1, 2
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz Band 1,2 + WLAN 5GHz Band 3,4
Refer to Sporton Test Report No.: FA932731-02 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Y axis position.



2.3 EUT Operation during Test

For CTX Mode:

For non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

For 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 WLAN AP and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories				
No.	Equipment Name	Brand Name	Model Name	Rating
1	Adapter 1	LEI	ML42AY120350-A1	INPUT: 105-125V ~ 60Hz, 1.5A OUTPUT: 12V, 3.5A
2	Adapter 2	Delta	ADH-42AW B	INPUT: 105-125V ~ 60Hz, 1.2A OUTPUT: 12V, 3.5A
No.	Other			
3	RJ-45 cable	Non-shielded: 3m		



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A

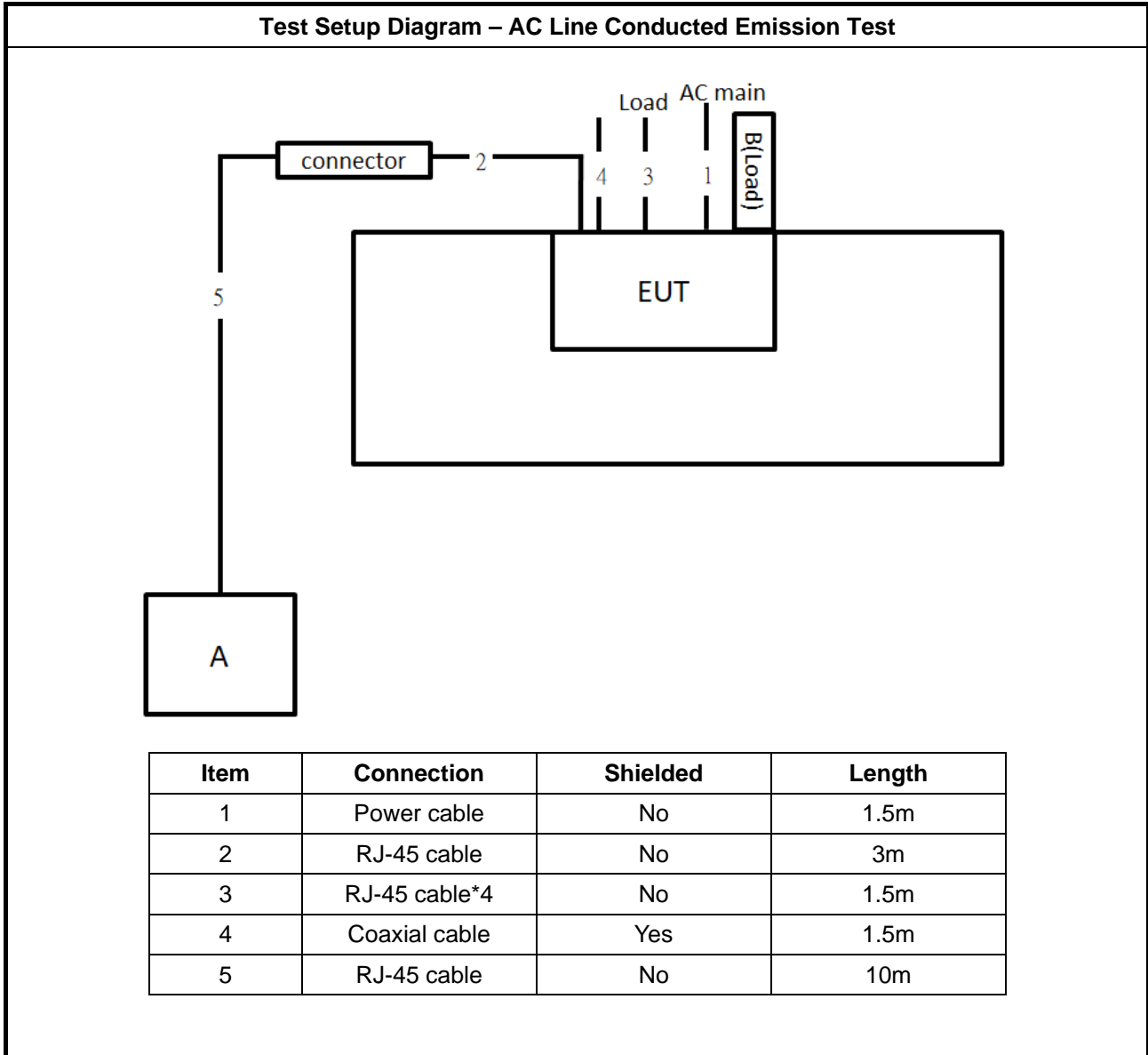
For RF Conducted, Radiated (below 1GHz) and Radiated (above 1GHz)_non-beamforming mode:

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

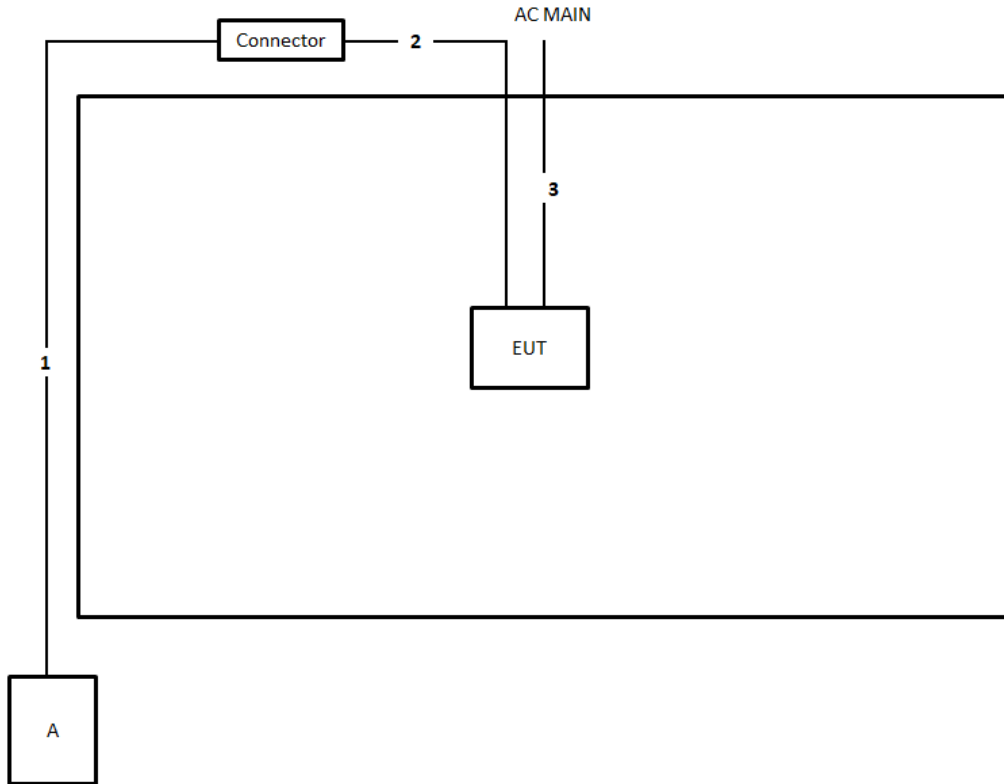
For Radiated (above 1GHz)_beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	WLAN AP	ASUS	RT-AC88U/RT-AX88U	N/A
C	NB	DELL	E4300	N/A

2.6 Test Setup Diagram



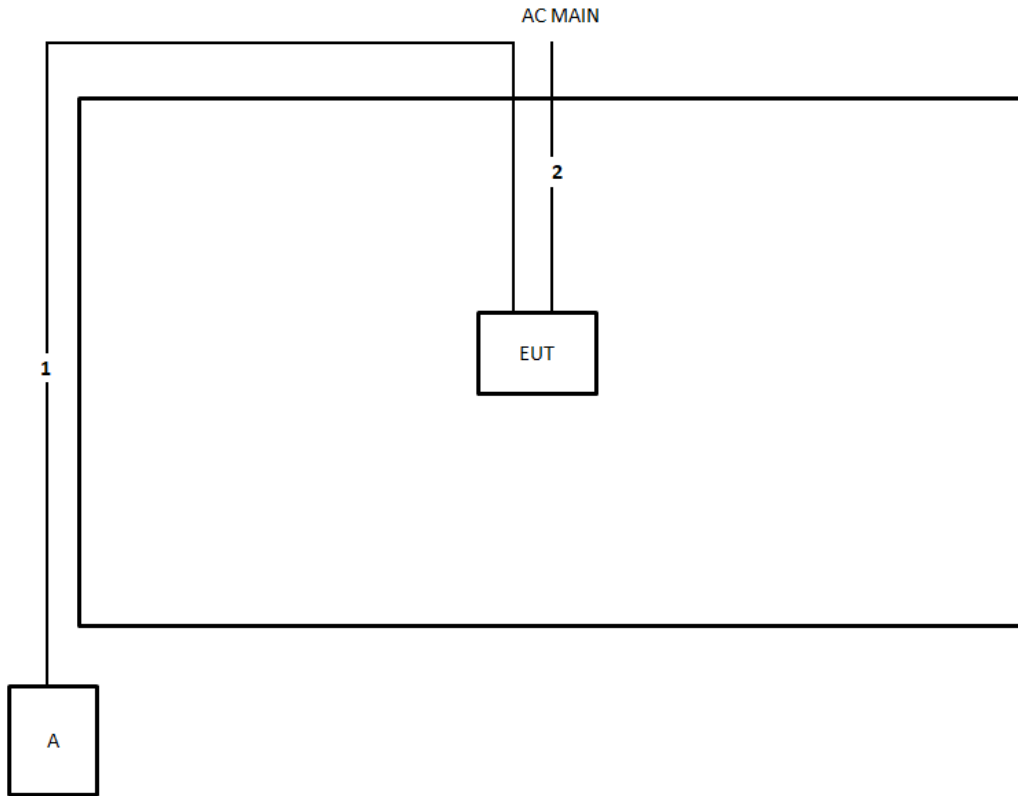
Test Setup Diagram - Radiated Test (below 1GHz)



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

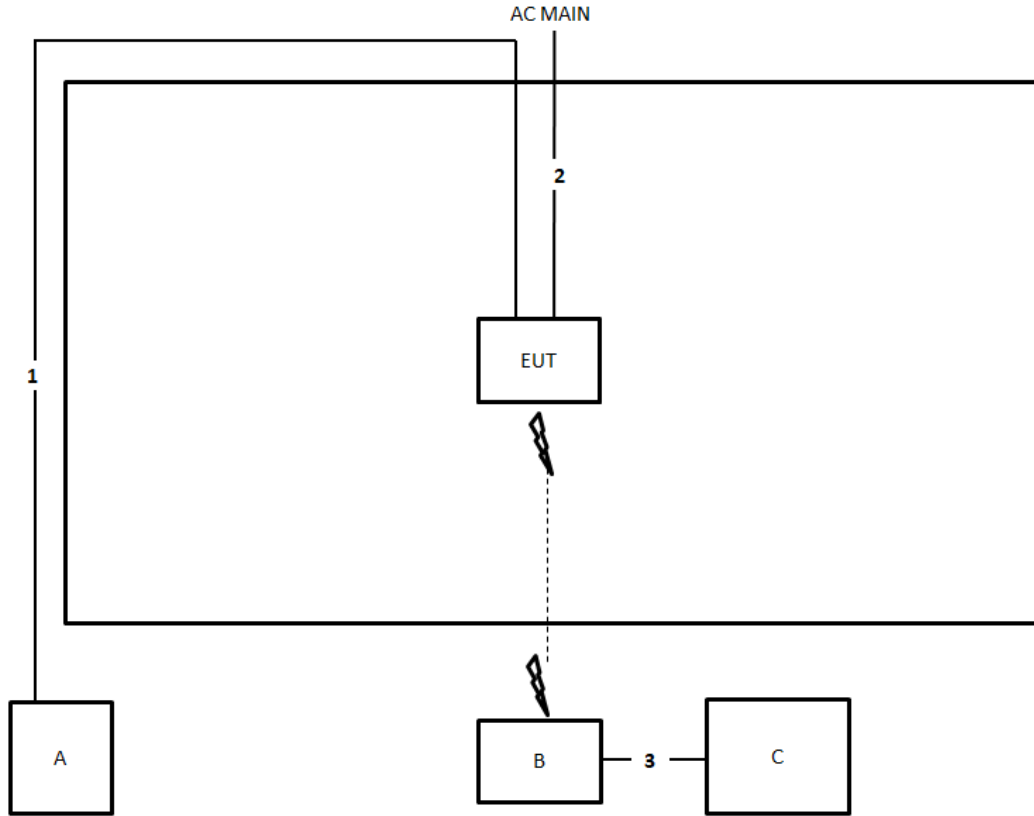


Test Setup Diagram - Radiated Test (above 1GHz)_non-beamforming mode:



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

Test Setup Diagram - Radiated Test (above 1GHz)_beamforming mode:



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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

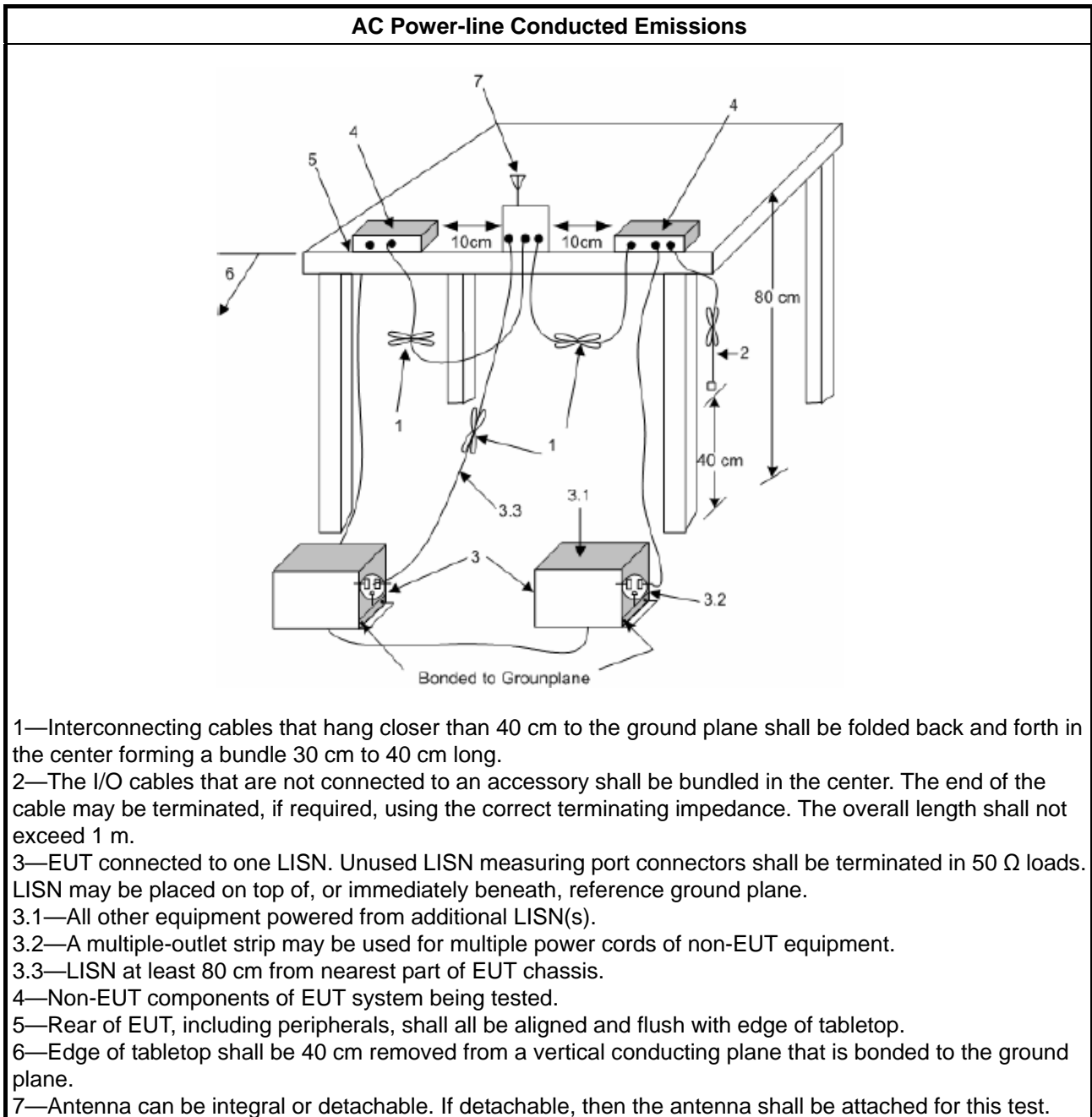
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	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.
<input type="checkbox"/>	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
<input type="checkbox"/>	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
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

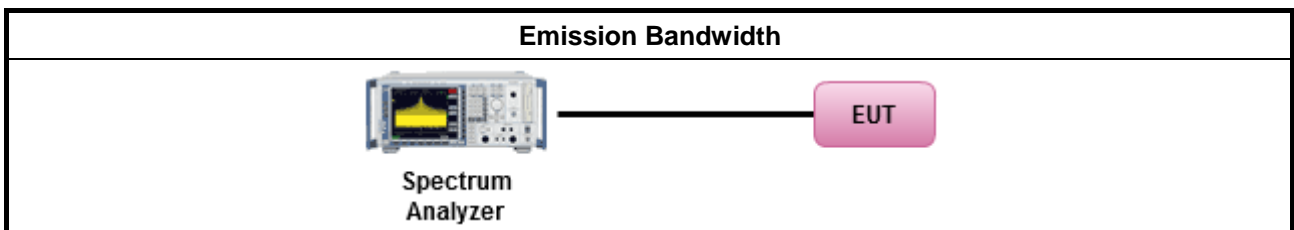
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.</td> </tr> </table> 		<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.						
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/> 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.	
<input type="checkbox"/> 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	
<input type="checkbox"/> 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	
<input type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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

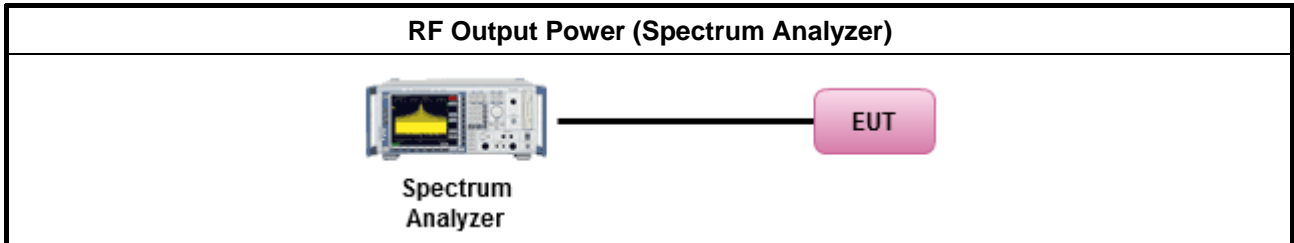
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

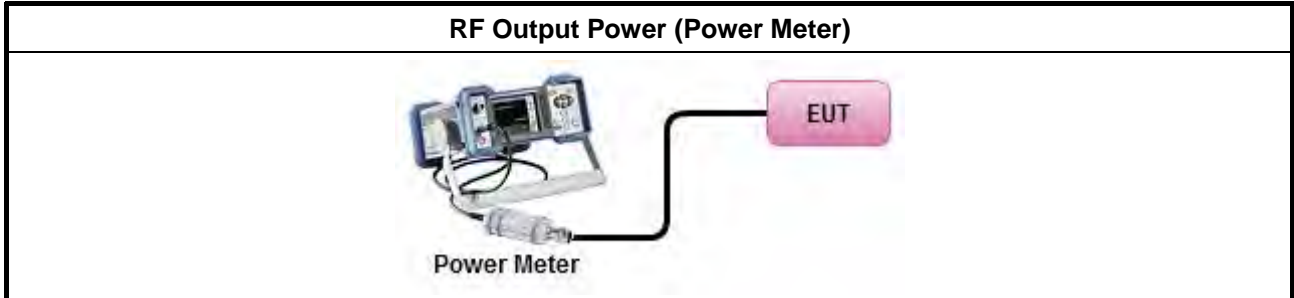
Test Method	
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
Average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ 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	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band:
	<ul style="list-style-type: none"> ▪ 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 $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band:
	<ul style="list-style-type: none"> ▪ 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	
<input type="checkbox"/>	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	<ul style="list-style-type: none"> ▪ 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 $0^\circ \leq \theta < 8^\circ$; $-13 - 0.716(\theta - 8)$ dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 $(\theta - 40)$ dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
<input type="checkbox"/>	For the 5.725-5.85 GHz band:
	<ul style="list-style-type: none"> ▪ 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.
<p>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.</p>	

3.4.2 Measuring Instruments

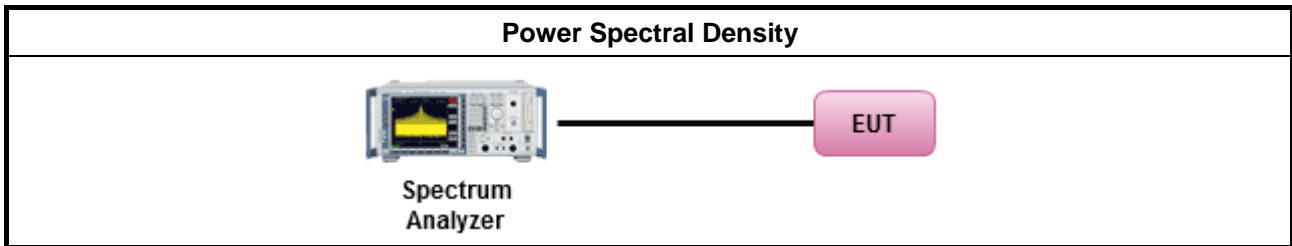
Refer a test equipment and calibration data table in this test report.



3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	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]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	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.
<input type="checkbox"/>	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,
<input type="checkbox"/>	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.
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD 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 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
<input checked="" type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 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.

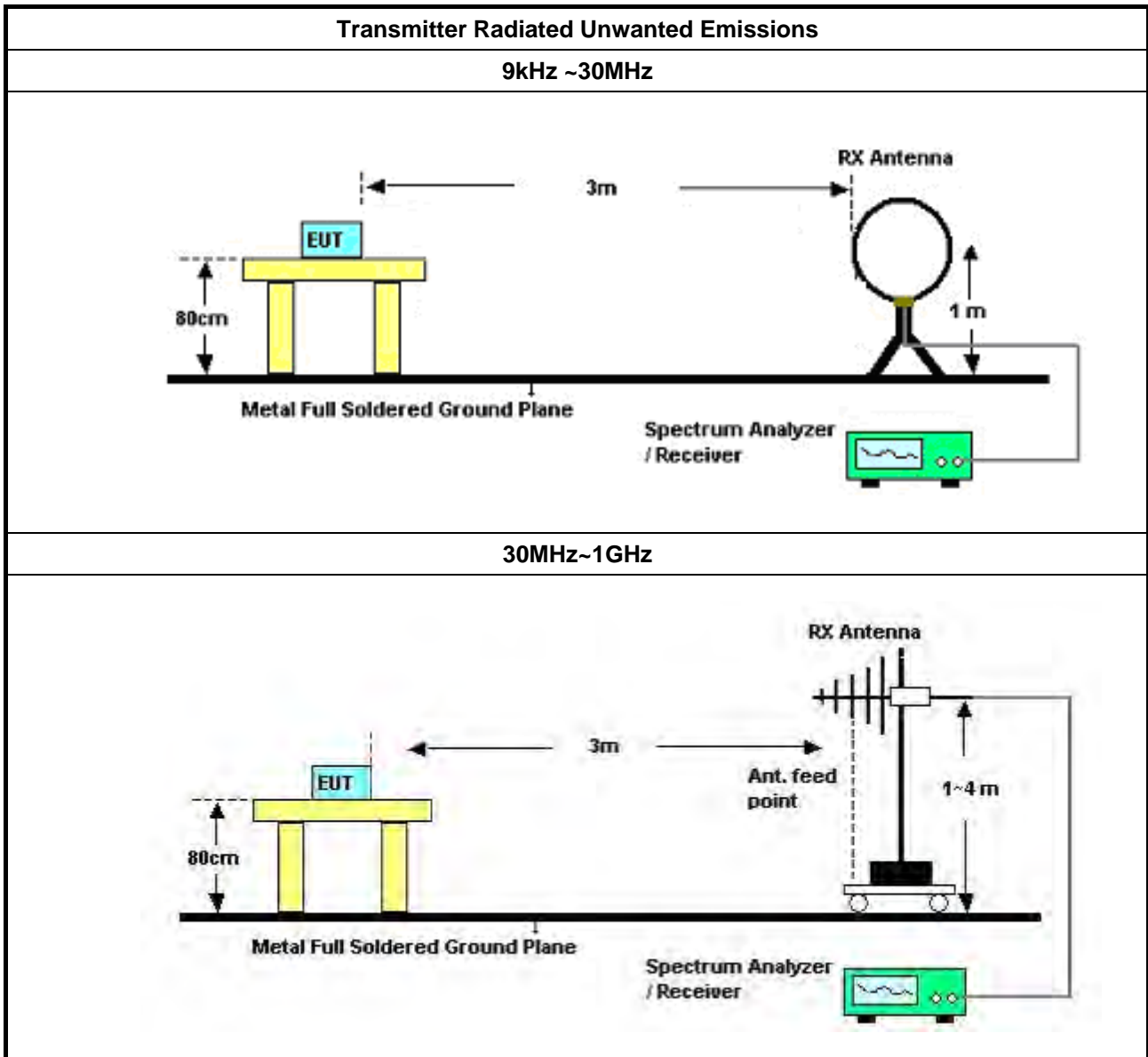
3.5.3 Test Procedures

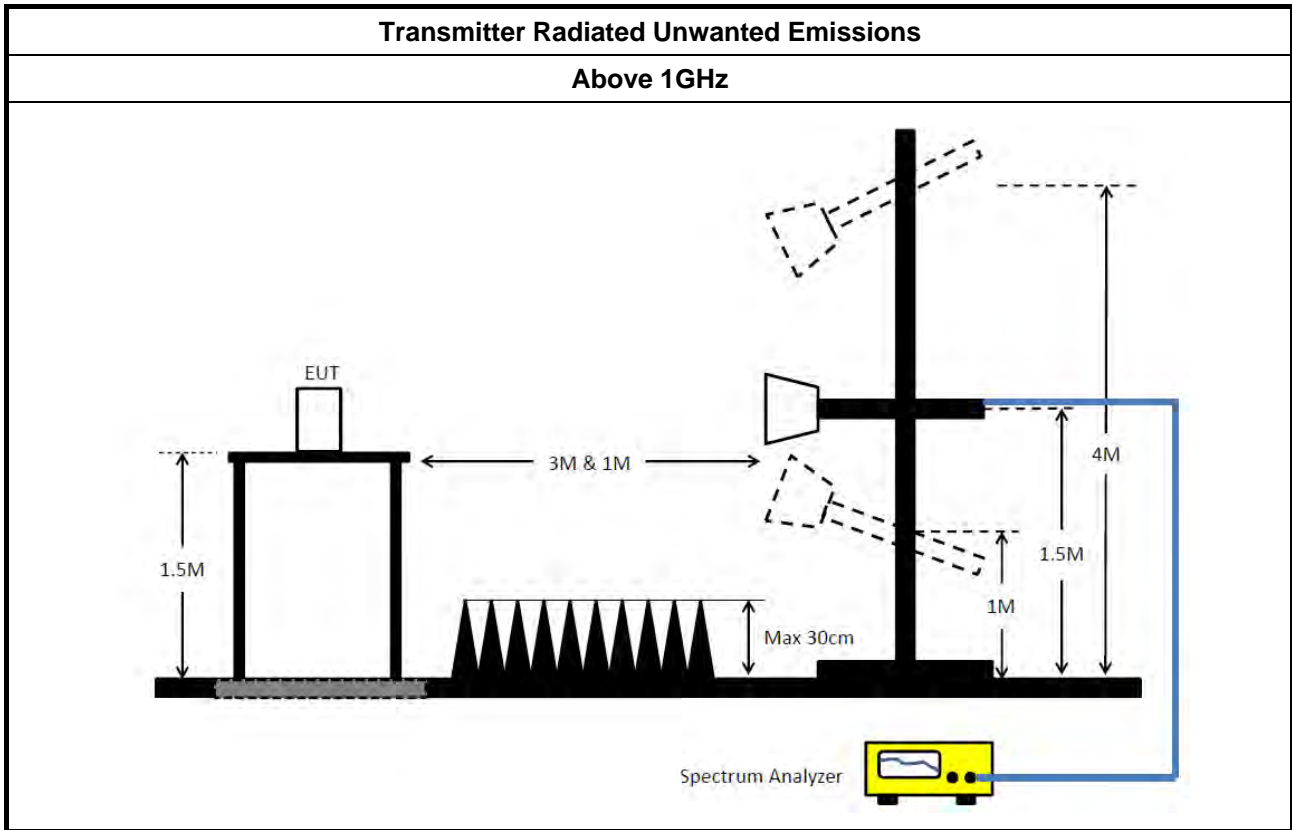
Test Method	
<ul style="list-style-type: none"> Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance 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). 	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: <ul style="list-style-type: none"> Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands. Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands. <ul style="list-style-type: none"> <input type="checkbox"/> Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging). <input checked="" type="checkbox"/> Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW). <input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time. <input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions. <input checked="" type="checkbox"/> Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit. <input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit. 	



Test Method	
▪ 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 Measurement Results Calculation

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & Woken	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 12, 2018	Oct. 11, 2019	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	310N	187291	0.1MHz ~ 1GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+22	30MHz – 1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1292	1GHz~18GHz	Jul. 20, 2018	Jul. 19, 2019	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 07, 2018	Jun. 06, 2019	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 09, 2018	May 08, 2019	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	May 08, 2019	May 07, 2020	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	HUBER+SUHNER	RG402	High Cable-05+24	1GHz~18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)



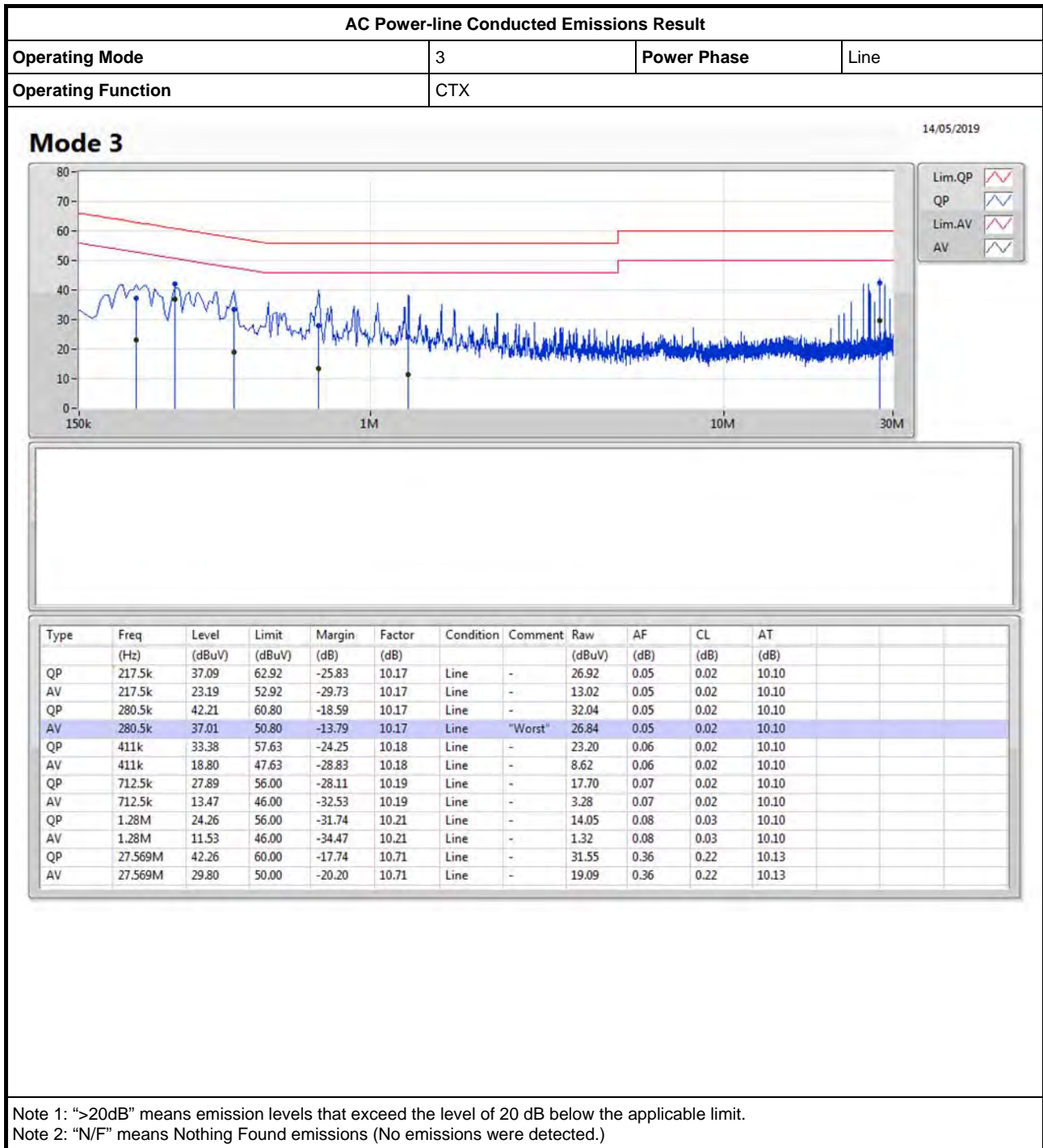
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz ~26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz ~26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz ~26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz ~26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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



AC Power-line Conducted Emissions Result

Appendix A





AC Power-line Conducted Emissions Result

Appendix A

AC Power-line Conducted Emissions Result			
Operating Mode	3	Power Phase	Neutral
Operating Function	CTX		

Mode 3 14/05/2019

Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)
QP	195k	39.19	63.82	-24.63	10.15	Neutral	-	29.04	0.03	0.02	10.10
AV	195k	22.68	53.82	-31.14	10.15	Neutral	-	12.53	0.03	0.02	10.10
QP	285k	41.20	60.67	-19.47	10.16	Neutral	-	31.04	0.04	0.02	10.10
AV	285k	33.94	50.67	-16.73	10.16	Neutral	"Worst"	23.78	0.04	0.02	10.10
QP	442.5k	32.87	57.01	-24.14	10.16	Neutral	-	22.71	0.04	0.02	10.10
AV	442.5k	16.24	47.01	-30.77	10.16	Neutral	-	6.08	0.04	0.02	10.10
QP	766.5k	28.41	56.00	-27.59	10.16	Neutral	-	18.25	0.04	0.02	10.10
AV	766.5k	15.48	46.00	-30.52	10.16	Neutral	-	5.32	0.04	0.02	10.10
QP	1.082M	23.58	56.00	-32.42	10.16	Neutral	-	13.42	0.04	0.02	10.10
AV	1.082M	9.16	46.00	-36.84	10.16	Neutral	-	-1.00	0.04	0.02	10.10
QP	27.564M	42.95	60.00	-17.05	10.65	Neutral	-	32.30	0.30	0.22	10.13
AV	27.564M	30.16	50.00	-19.84	10.65	Neutral	-	19.51	0.30	0.22	10.13

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



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	81.12M	75.816M	75M8D1D	80.72M	75.392M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.2M	77.161M	77M2D1D	80.48M	77.001M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	81.44M	76.051M	76M1D1D	80.88M	75.339M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.28M	77.081M	77M1D1D	80.48M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.7M	16.642M	16M6D1D	21.4M	16.542M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.875M	17.816M	17M8D1D	21.45M	17.741M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.625M	19.015M	19MOD1D	21.5M	18.941M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.25M	36.332M	36M3D1D	39.65M	36.182M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.631M	37M6D1D	39.75M	37.481M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.2M	75.762M	75M8D1D	81.3M	75.662M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.1M	77.261M	77M3D1D	82M	76.962M
802.11ac VHT160_Nss1,(MCS0)_4TX	82.96M	75.919M	75M9D1D	80.48M	75.617M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.44M	77.241M	77M2D1D	80.88M	77.001M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.775M	17.816M	17M8D1D	21.425M	17.741M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.725M	19.015M	19MOD1D	21.375M	18.941M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.25M	36.282M	36M3D1D	39.65M	36.182M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.1M	37.581M	37M6D1D	39.8M	37.481M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	82.2M	75.862M	75M9D1D	81.3M	75.562M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.3M	77.161M	77M2D1D	81.8M	76.962M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	83.2M	75.847M	75M8D1D	80.72M	75.52M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.6M	77.081M	77M1D1D	80.88M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.675M	16.617M	16M6D1D	15.645M	13.328M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.8M	17.791M	17M8D1D	15.78M	13.928M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.775M	19.015M	19MOD1D	15.69M	14.498M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.3M	36.332M	36M3D1D	34.86M	33.058M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.15M	37.631M	37M6D1D	34.965M	33.618M
802.11ac VHT80_Nss1,(MCS0)_4TX	82.2M	75.862M	75M9D1D	75.675M	72.564M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.1M	77.161M	77M2D1D	75.75M	73.013M
802.11ac VHT160_Nss1,(MCS0)_4TX	165M	154.387M	154MD1D	163.2M	153.317M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.2M	155.122M	155MD1D	163.4M	154.723M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	21.825M	17.816M	17M8D1D	15.75M	13.928M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.85M	19.015M	19MOD1D	15.69M	14.513M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	40.35M	36.382M	36M4D1D	34.825M	32.989M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.15M	37.631M	37M6D1D	34.93M	33.618M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	82M	75.762M	75M8D1D	75.525M	72.339M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.3M	77.161M	77M2D1D	75.675M	73.163M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	164.2M	154.876M	155MD1D	163M	154.005M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	164M	155.122M	155MD1D	163.4M	154.523M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.1M	3.898M	3M9D1D	3.1M	3.818M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.72M	4.238M	4M24D1D	3.7M	4.158M



Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	4.46M	4.478M	4M48D1D	4.4M	4.458M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.1M	3.578M	3M58D1D	3.08M	3.418M
802.11ax HEW40_Nss1,(MCS0)_4TX	3.7M	3.998M	4M00D1D	3.62M	3.978M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.08M	3.598M	3M60D1D	2.88M	3.438M
802.11ax HEW80_Nss1,(MCS0)_4TX	3.78M	4.018M	4M02D1D	3.68M	3.998M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	3.74M	4.238M	4M24D1D	3.7M	4.158M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.42M	4.498M	4M50D1D	4.36M	4.458M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	3.12M	3.478M	3M48D1D	3.08M	3.438M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	3.78M	3.998M	4M00D1D	3.72M	3.998M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	3.08M	3.558M	3M56D1D	3.08M	3.438M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.76M	3.998M	4M00D1D	3.68M	3.978M

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_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.4M	16.592M	21.675M	16.592M	21.65M	16.567M	21.475M	16.567M
5300MHz	Pass	Inf	21.425M	16.642M	21.675M	16.567M	21.5M	16.617M	21.5M	16.542M
5320MHz	Pass	Inf	21.425M	16.567M	21.7M	16.567M	21.525M	16.617M	21.575M	16.542M
5500MHz	Pass	Inf	21.4M	16.567M	21.6M	16.567M	21.675M	16.592M	21.525M	16.517M
5580MHz	Pass	Inf	21.4M	16.592M	21.6M	16.617M	21.6M	16.592M	21.5M	16.592M
5700MHz	Pass	Inf	21.375M	16.617M	21.625M	16.567M	21.525M	16.617M	21.45M	16.592M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.645M	13.328M	15.705M	13.343M	15.78M	13.358M	15.645M	13.328M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.838M	3.1M	3.818M	3.1M	3.898M	3.1M	3.858M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.7M	17.791M	21.875M	17.741M	21.45M	17.741M	21.725M	17.741M
5300MHz	Pass	Inf	21.775M	17.741M	21.85M	17.741M	21.45M	17.766M	21.675M	17.741M
5320MHz	Pass	Inf	21.825M	17.791M	21.525M	17.766M	21.45M	17.766M	21.6M	17.816M
5500MHz	Pass	Inf	21.725M	17.741M	21.55M	17.766M	21.45M	17.791M	21.675M	17.741M
5580MHz	Pass	Inf	21.6M	17.766M	21.5M	17.766M	21.575M	17.791M	21.575M	17.766M
5700MHz	Pass	Inf	21.8M	17.791M	21.525M	17.741M	21.45M	17.766M	21.725M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.84M	13.928M	15.87M	13.928M	15.78M	13.943M	15.81M	13.928M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.178M	3.7M	4.238M	3.7M	4.158M	3.7M	4.178M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.7M	18.991M	21.6M	18.941M	21.675M	18.941M	21.75M	18.966M
5300MHz	Pass	Inf	22.625M	18.991M	21.575M	18.991M	21.65M	18.966M	21.625M	18.966M
5320MHz	Pass	Inf	21.6M	18.991M	21.5M	18.966M	21.675M	19.015M	21.675M	18.991M
5500MHz	Pass	Inf	21.725M	18.966M	21.575M	18.941M	21.725M	18.966M	21.65M	19.015M
5580MHz	Pass	Inf	21.7M	18.966M	21.525M	18.991M	21.625M	18.991M	21.775M	18.941M
5700MHz	Pass	Inf	21.75M	18.991M	21.65M	18.966M	21.65M	18.941M	21.775M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	14.498M	15.69M	14.558M	15.81M	14.528M	15.72M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	4.478M	4.4M	4.458M	4.42M	4.478M	4.46M	4.478M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.2M	36.232M	39.95M	36.182M	40M	36.232M	39.65M	36.232M
5310MHz	Pass	Inf	40.25M	36.232M	39.9M	36.332M	40M	36.282M	39.8M	36.232M
5510MHz	Pass	Inf	40.2M	36.232M	39.85M	36.232M	40.1M	36.232M	39.7M	36.132M
5550MHz	Pass	Inf	40.2M	36.282M	39.85M	36.332M	39.95M	36.232M	39.8M	36.282M
5670MHz	Pass	Inf	40.3M	36.232M	39.95M	36.282M	40M	36.232M	39.8M	36.232M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.175M	33.058M	34.895M	33.128M	35.07M	33.058M	34.86M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.478M	3.1M	3.478M	3.1M	3.578M	3.08M	3.418M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.75M	37.481M	39.85M	37.531M	40.05M	37.481M	40.15M	37.581M
5310MHz	Pass	Inf	40.2M	37.581M	39.85M	37.631M	40.1M	37.531M	40.15M	37.581M
5510MHz	Pass	Inf	40.05M	37.531M	39.8M	37.481M	40.05M	37.531M	39.95M	37.531M
5550MHz	Pass	Inf	40.05M	37.581M	39.85M	37.631M	40.05M	37.631M	40.1M	37.531M
5670MHz	Pass	Inf	40.05M	37.631M	39.9M	37.581M	40.15M	37.631M	40.15M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.618M	34.965M	33.653M	35.14M	33.653M	35.14M	33.688M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	3.978M	3.64M	3.998M	3.68M	3.998M	3.62M	3.998M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-



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)
5290MHz	Pass	Inf	82.2M	75.762M	81.3M	75.762M	81.4M	75.662M	81.9M	75.762M
5530MHz	Pass	Inf	82M	75.662M	81.2M	75.462M	81.1M	75.762M	81.8M	75.862M
5610MHz	Pass	Inf	82.2M	75.762M	81.1M	75.662M	81.1M	75.562M	81.7M	75.562M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.05M	72.564M	75.75M	72.639M	75.675M	72.564M	75.825M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.598M	3.06M	3.498M	2.88M	3.598M	3.08M	3.438M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.1M	77.161M	82M	77.161M	82M	76.962M	82M	77.261M
5530MHz	Pass	Inf	82.1M	76.962M	82.1M	77.061M	81.8M	77.061M	81.6M	76.962M
5610MHz	Pass	Inf	82M	77.061M	82M	77.161M	81.9M	76.962M	81.6M	76.962M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	73.238M	76.125M	73.238M	76.275M	73.163M	75.75M	73.013M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	3.998M	3.78M	4.018M	3.68M	3.998M	3.74M	3.998M
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	75.392M	80.72M	75.621M	81.04M	75.811M	81.12M	75.816M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	75.682M	82.96M	75.818M	80.48M	75.617M	80.8M	75.919M
5570MHz	Pass	Inf	163.2M	154.387M	163.6M	153.995M	163.6M	153.317M	165M	154.137M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.8M	77.001M	80.48M	77.161M	81.2M	77.081M	81.2M	77.001M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.001M	81.44M	77.241M	81.04M	77.081M	80.88M	77.161M
5570MHz	Pass	Inf	163.4M	154.723M	163.6M	155.122M	164.2M	155.122M	164M	155.122M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.725M	17.766M	21.75M	17.766M	21.425M	17.766M	21.6M	17.741M
5300MHz	Pass	Inf	21.775M	17.741M	21.675M	17.766M	21.45M	17.791M	21.65M	17.766M
5320MHz	Pass	Inf	21.775M	17.741M	21.625M	17.766M	21.5M	17.816M	21.6M	17.791M
5500MHz	Pass	Inf	21.75M	17.766M	21.5M	17.766M	21.725M	17.741M	21.75M	17.766M
5580MHz	Pass	Inf	21.825M	17.791M	21.475M	17.791M	21.6M	17.766M	21.625M	17.791M
5700MHz	Pass	Inf	21.675M	17.816M	21.5M	17.766M	21.425M	17.766M	21.675M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.885M	13.928M	15.795M	13.928M	15.765M	13.958M	15.75M	13.943M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	4.198M	3.74M	4.158M	3.74M	4.238M	3.7M	4.178M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.525M	18.966M	21.575M	18.941M	21.6M	18.966M	21.675M	18.966M
5300MHz	Pass	Inf	21.725M	18.966M	21.375M	19.015M	21.6M	18.941M	21.725M	19.015M
5320MHz	Pass	Inf	21.65M	18.991M	21.525M	18.966M	21.575M	18.991M	21.65M	18.966M
5500MHz	Pass	Inf	21.675M	18.991M	21.75M	18.991M	21.65M	18.966M	21.85M	18.966M
5580MHz	Pass	Inf	21.675M	19.015M	21.475M	18.966M	21.65M	18.991M	21.775M	18.966M
5700MHz	Pass	Inf	21.675M	18.941M	21.75M	18.991M	21.65M	18.966M	21.525M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.765M	14.558M	15.69M	14.513M	15.795M	14.528M	15.735M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.38M	4.458M	4.42M	4.458M	4.36M	4.498M	4.42M	4.478M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.1M	36.232M	39.75M	36.282M	40.05M	36.182M	39.75M	36.182M
5310MHz	Pass	Inf	40.25M	36.182M	39.85M	36.232M	40.1M	36.282M	39.65M	36.232M
5510MHz	Pass	Inf	40.25M	36.232M	40M	36.232M	40M	36.282M	39.75M	36.282M
5550MHz	Pass	Inf	40.3M	36.282M	39.8M	36.282M	40.1M	36.332M	39.85M	36.182M
5670MHz	Pass	Inf	40.35M	36.182M	39.95M	36.232M	40.2M	36.382M	39.75M	36.232M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.21M	32.989M	34.93M	33.058M	35.07M	33.058M	34.825M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.458M	3.12M	3.458M	3.1M	3.478M	3.1M	3.438M

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)
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40M	37.531M	39.95M	37.531M	40.1M	37.481M	40.05M	37.481M
5310MHz	Pass	Inf	40.05M	37.581M	39.8M	37.581M	40.05M	37.581M	40.1M	37.531M
5510MHz	Pass	Inf	40.1M	37.481M	39.9M	37.531M	40.05M	37.581M	40.1M	37.531M
5550MHz	Pass	Inf	40.1M	37.481M	39.9M	37.581M	40M	37.531M	40.1M	37.531M
5670MHz	Pass	Inf	40.15M	37.581M	39.9M	37.581M	40.1M	37.631M	40.15M	37.481M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.105M	33.688M	34.93M	33.688M	35.175M	33.688M	35.035M	33.618M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	3.998M	3.78M	3.998M	3.72M	3.998M	3.78M	3.998M
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	75.862M	81.4M	75.562M	81.3M	75.562M	82M	75.862M
5530MHz	Pass	Inf	81.7M	75.762M	81.6M	75.762M	80.9M	75.662M	81.8M	75.662M
5610MHz	Pass	Inf	82M	75.562M	81.3M	75.762M	80.9M	75.662M	81.8M	75.662M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.05M	72.339M	75.975M	72.564M	75.525M	72.489M	75.9M	72.414M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.558M	3.08M	3.498M	3.08M	3.518M	3.08M	3.438M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82M	77.061M	82.3M	77.161M	81.8M	76.962M	81.8M	77.161M
5530MHz	Pass	Inf	81.9M	76.862M	82.3M	77.161M	81.9M	77.061M	81.9M	76.962M
5610MHz	Pass	Inf	82.1M	77.161M	82M	77.061M	81.9M	76.962M	81.9M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.9M	73.163M	75.975M	73.238M	76.275M	73.388M	75.675M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	3.998M	3.76M	3.998M	3.68M	3.978M	3.72M	3.978M
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	75.339M	80.88M	76.051M	81.44M	75.506M	80.88M	75.494M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.44M	75.828M	83.2M	75.52M	80.72M	75.547M	80.8M	75.847M
5570MHz	Pass	Inf	163M	154.005M	164.2M	154.515M	163.4M	154.267M	164M	154.876M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.56M	77.001M	80.48M	77.081M	81.28M	77.001M	80.88M	77.081M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.2M	77.081M	81.6M	77.081M	81.04M	77.001M	80.88M	77.081M
5570MHz	Pass	Inf	163.6M	154.523M	163.4M	154.923M	164M	155.122M	164M	154.923M

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

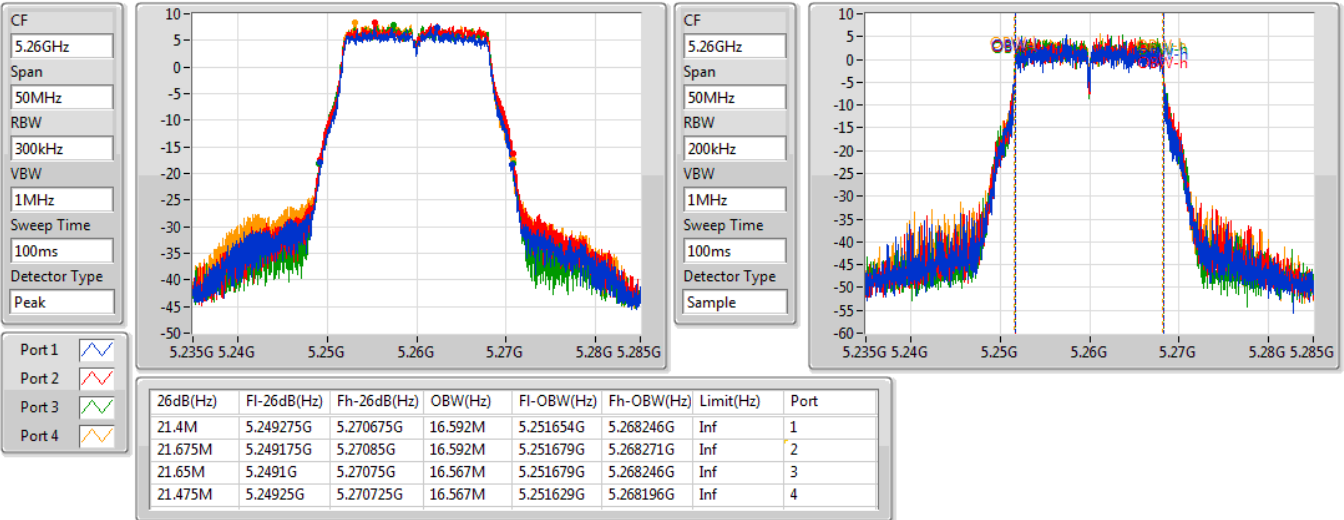
Port X-OBW = Port X 99% occupied bandwidth;

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

11/04/2019

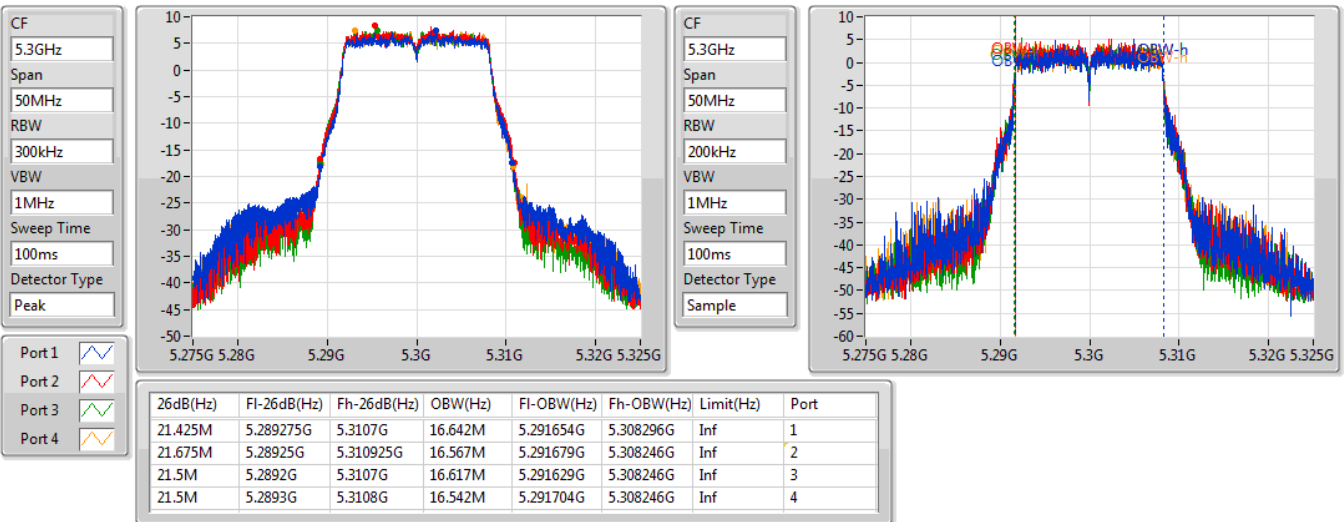


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

11/04/2019



802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

11/04/2019

CF
5.32GHz

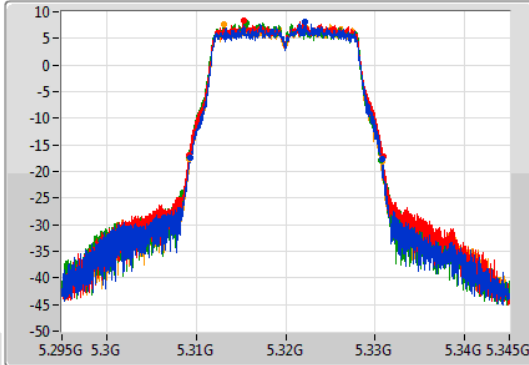
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.32GHz

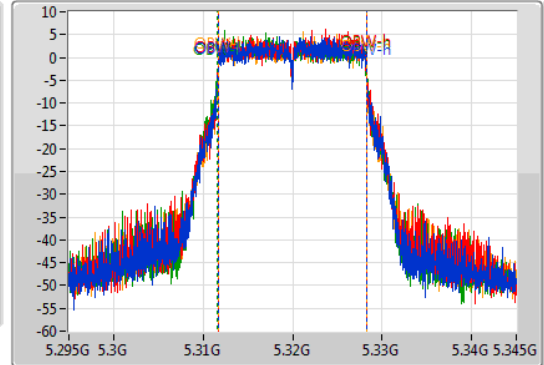
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.425M	5.309325G	5.33075G	16.567M	5.311679G	5.328246G	Inf	1
21.7M	5.3092G	5.3309G	16.567M	5.311654G	5.328221G	Inf	2
21.525M	5.309175G	5.3307G	16.617M	5.311629G	5.328246G	Inf	3
21.575M	5.30925G	5.330825G	16.542M	5.311679G	5.328221G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

11/04/2019

CF
5.5GHz

Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.5GHz

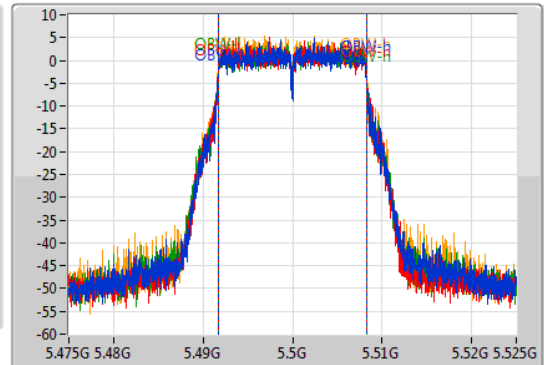
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.4M	5.4893G	5.5107G	16.567M	5.491679G	5.508246G	Inf	1
21.6M	5.489175G	5.510775G	16.567M	5.491679G	5.508246G	Inf	2
21.675M	5.489175G	5.51085G	16.592M	5.491679G	5.508271G	Inf	3
21.525M	5.489325G	5.51085G	16.517M	5.491704G	5.508221G	Inf	4

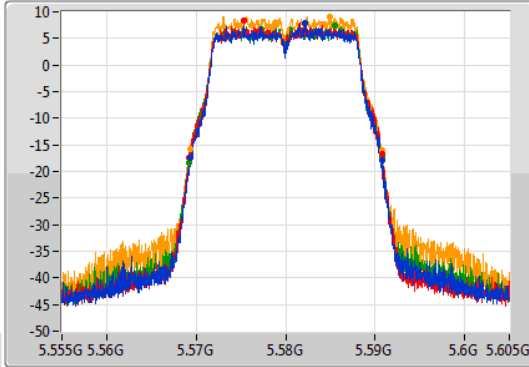
802.11a_Nss1,(6Mbps)_4TX

EBW

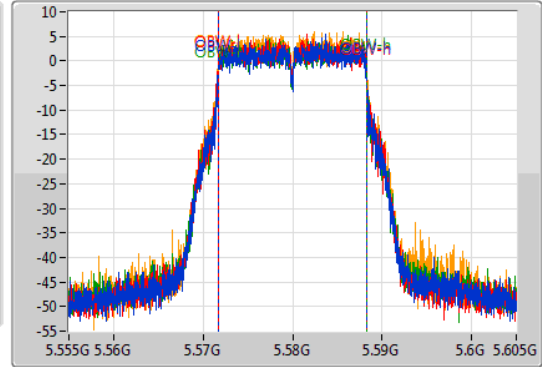
5580MHz

10/04/2019

CF
5.58GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.4M	5.56935G	5.59075G	16.592M	5.571654G	5.588246G	Inf	1
21.6M	5.569175G	5.590775G	16.617M	5.571654G	5.588271G	Inf	2
21.6M	5.56915G	5.59075G	16.592M	5.571654G	5.588246G	Inf	3
21.5M	5.5693G	5.5908G	16.592M	5.571654G	5.588246G	Inf	4

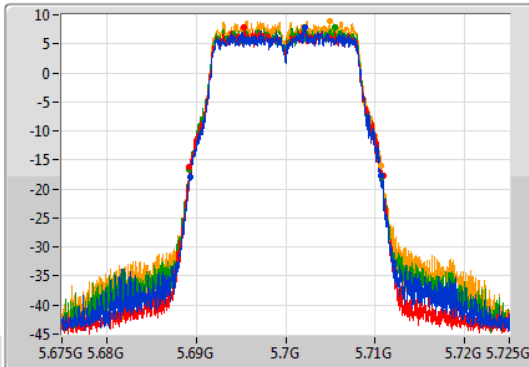
802.11a_Nss1,(6Mbps)_4TX

EBW

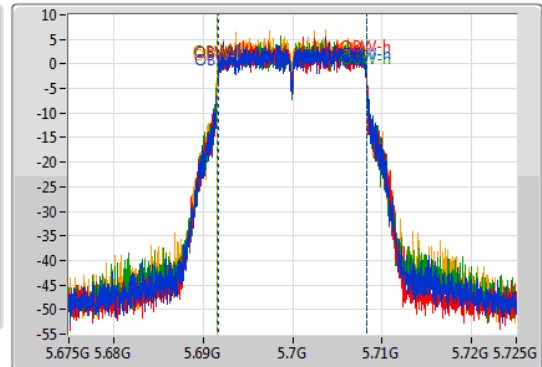
5700MHz

10/04/2019

CF
5.7GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

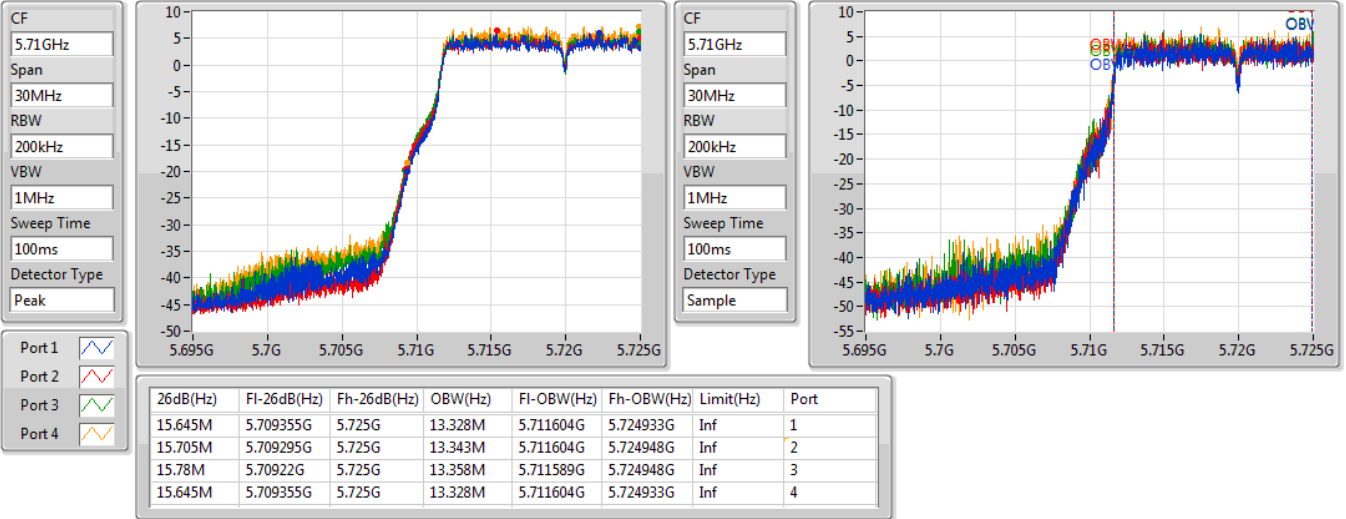
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.375M	5.689325G	5.7107G	16.617M	5.691654G	5.708271G	Inf	1
21.625M	5.68925G	5.710875G	16.567M	5.691654G	5.708221G	Inf	2
21.525M	5.6892G	5.710725G	16.617M	5.691629G	5.708246G	Inf	3
21.45M	5.68925G	5.7107G	16.592M	5.691629G	5.708221G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

10/04/2019

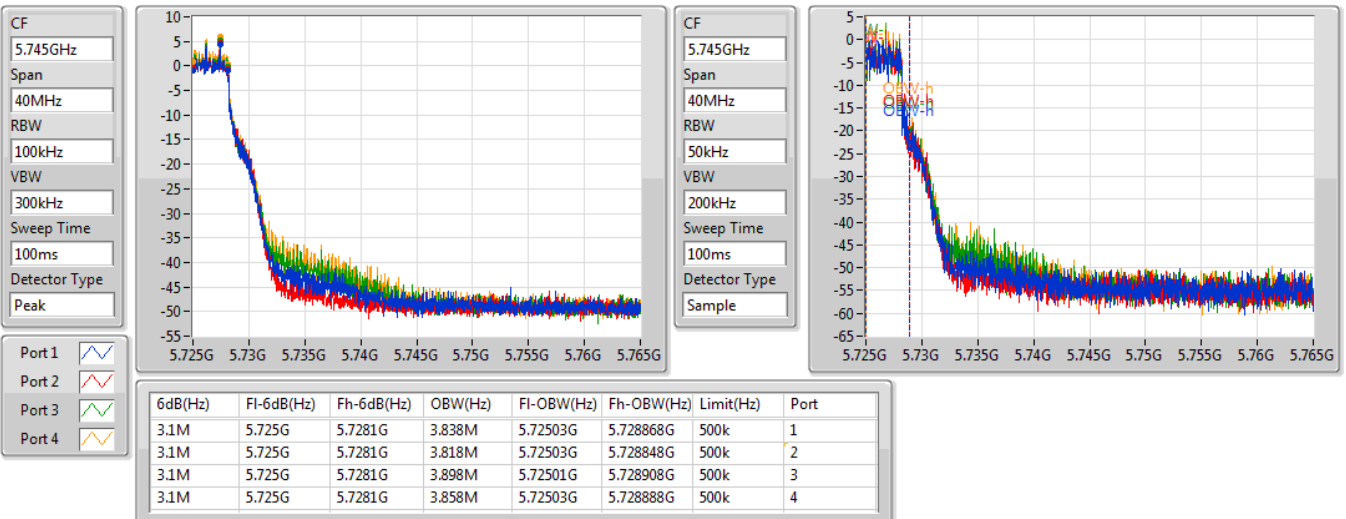


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

10/04/2019



802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5260MHz

11/04/2019

CF
5.26GHz

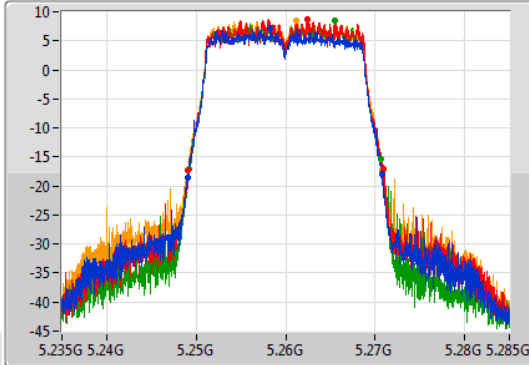
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.26GHz

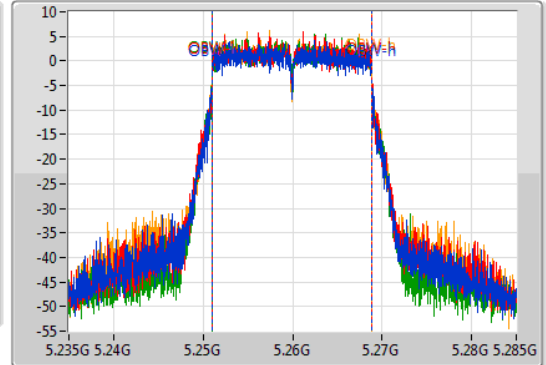
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.249025G	5.270725G	17.791M	5.251004G	5.268796G	Inf	1
21.875M	5.24905G	5.270925G	17.741M	5.251079G	5.268821G	Inf	2
21.45M	5.2492G	5.27065G	17.741M	5.251079G	5.268821G	Inf	3
21.725M	5.2491G	5.270825G	17.741M	5.251054G	5.268796G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5300MHz

11/04/2019

CF
5.3GHz

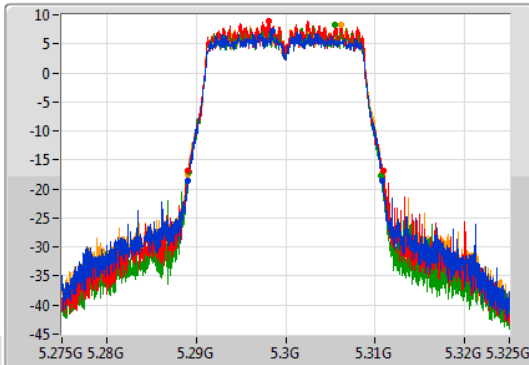
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



CF
5.3GHz

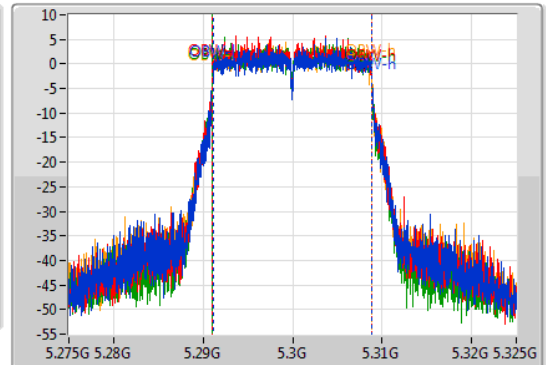
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



Port 1

Port 2

Port 3

Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.28905G	5.310825G	17.741M	5.291104G	5.308846G	Inf	1
21.85M	5.289075G	5.310925G	17.741M	5.291079G	5.308821G	Inf	2
21.45M	5.289175G	5.310625G	17.766M	5.291054G	5.308821G	Inf	3
21.675M	5.289125G	5.3108G	17.741M	5.291079G	5.308821G	Inf	4

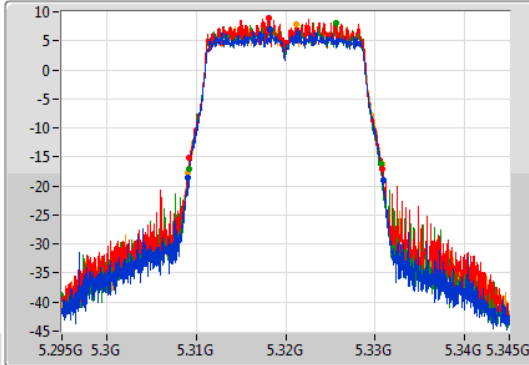
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

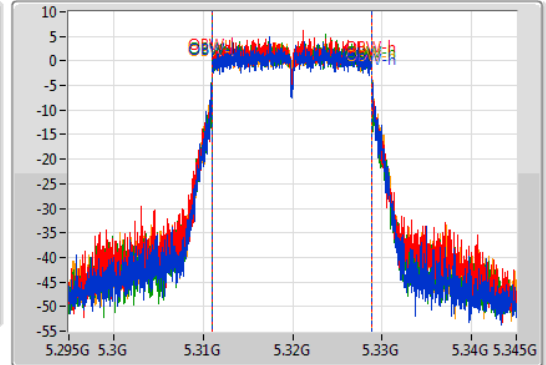
5320MHz

11/04/2019

CF
5.32GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.309075G	5.3309G	17.791M	5.311079G	5.328871G	Inf	1
21.525M	5.30925G	5.330775G	17.766M	5.311054G	5.328821G	Inf	2
21.45M	5.3092G	5.33065G	17.766M	5.311029G	5.328796G	Inf	3
21.6M	5.309125G	5.330725G	17.816M	5.311029G	5.328846G	Inf	4

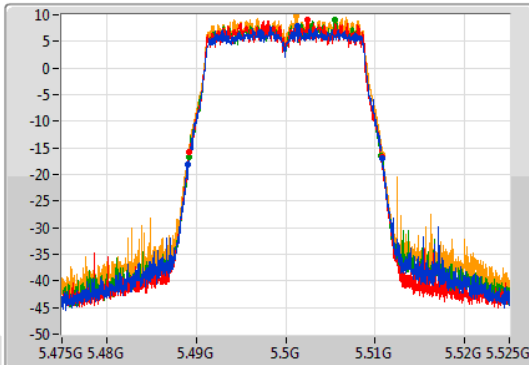
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

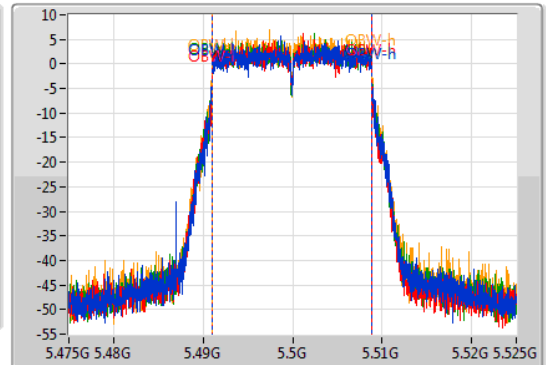
5500MHz

11/04/2019

CF
5.5GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.489075G	5.5108G	17.741M	5.491079G	5.508821G	Inf	1
21.55M	5.489225G	5.510775G	17.766M	5.491054G	5.508821G	Inf	2
21.45M	5.489175G	5.510625G	17.791M	5.491054G	5.508846G	Inf	3
21.675M	5.489175G	5.51085G	17.741M	5.491079G	5.508821G	Inf	4

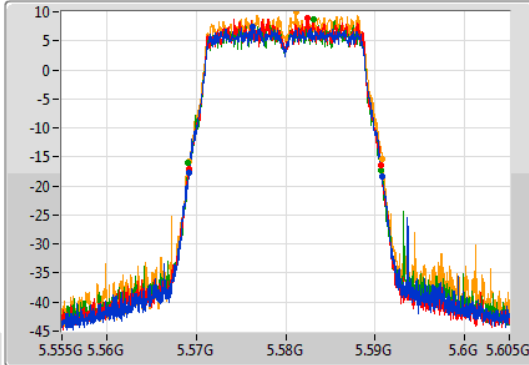
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

11/04/2019

CF
5.58GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.569175G	5.590775G	17.766M	5.571079G	5.588846G	Inf	1
21.5M	5.5692G	5.5907G	17.766M	5.571029G	5.588796G	Inf	2
21.575M	5.5691G	5.590675G	17.791M	5.571054G	5.588846G	Inf	3
21.575M	5.569225G	5.5908G	17.766M	5.571054G	5.588821G	Inf	4

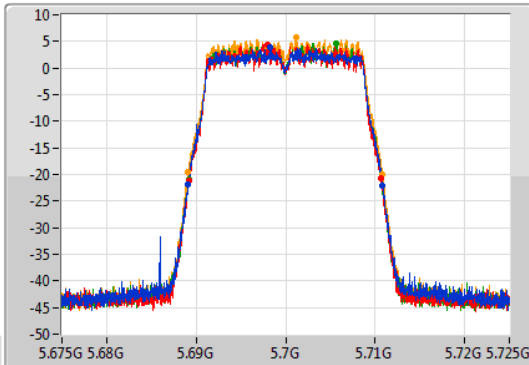
802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

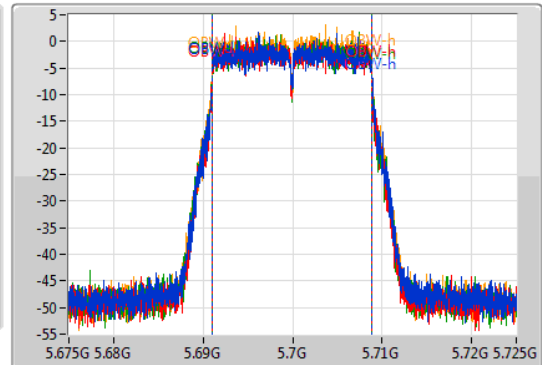
5700MHz

11/04/2019

CF
5.7GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

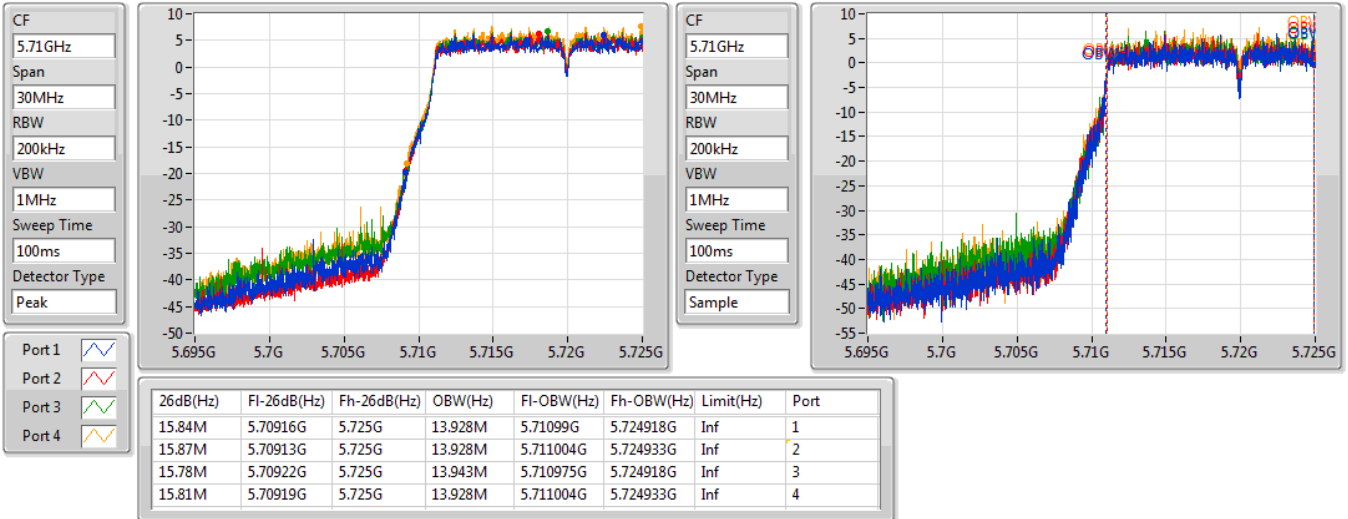
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.8M	5.68905G	5.71085G	17.791M	5.691054G	5.708846G	Inf	1
21.525M	5.689175G	5.7107G	17.741M	5.691079G	5.708821G	Inf	2
21.45M	5.689175G	5.710625G	17.766M	5.691029G	5.708796G	Inf	3
21.725M	5.6891G	5.710825G	17.766M	5.691029G	5.708796G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/04/2019

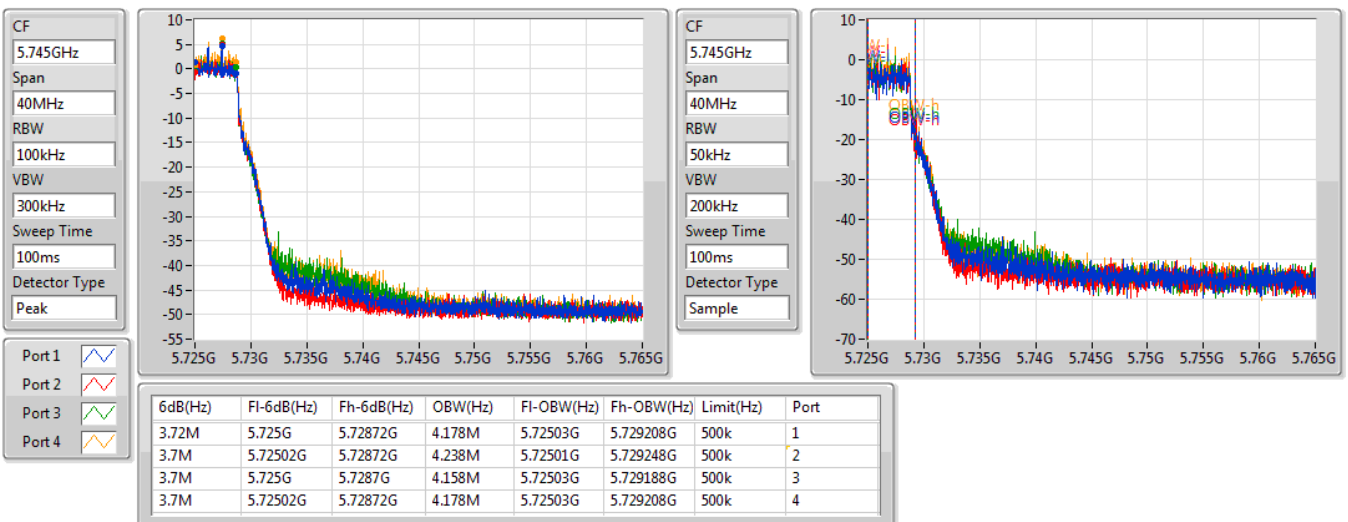


802.11ac VHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/04/2019



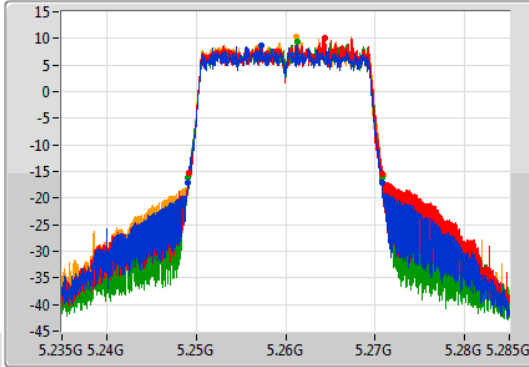
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

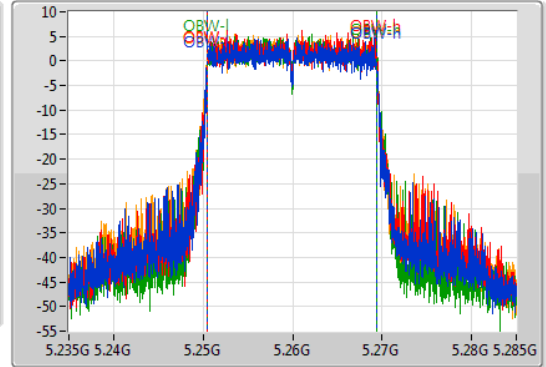
5260MHz

11/04/2019

CF
5.26GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.2491G	5.2708G	18.991M	5.25043G	5.26942G	Inf	1
21.6M	5.24925G	5.27085G	18.941M	5.25048G	5.26942G	Inf	2
21.675M	5.249125G	5.2708G	18.941M	5.25048G	5.26942G	Inf	3
21.75M	5.24915G	5.2709G	18.966M	5.25043G	5.269395G	Inf	4

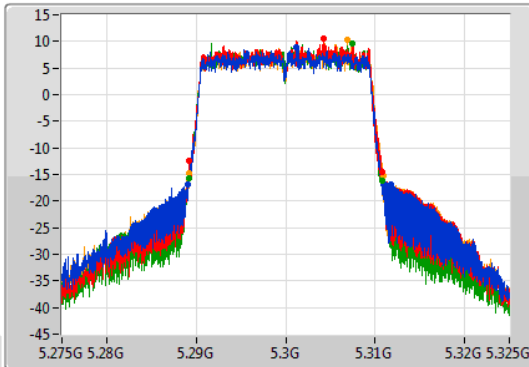
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

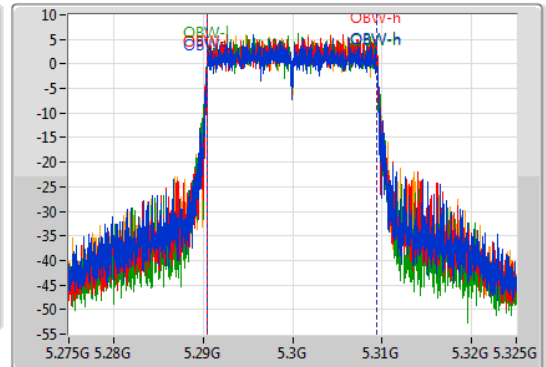
5300MHz

11/04/2019

CF
5.3GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.625M	5.289125G	5.31175G	18.991M	5.290455G	5.309445G	Inf	1
21.575M	5.289225G	5.3108G	18.991M	5.290455G	5.309445G	Inf	2
21.65M	5.28915G	5.3108G	18.966M	5.29043G	5.309395G	Inf	3
21.625M	5.289275G	5.3109G	18.966M	5.290455G	5.30942G	Inf	4

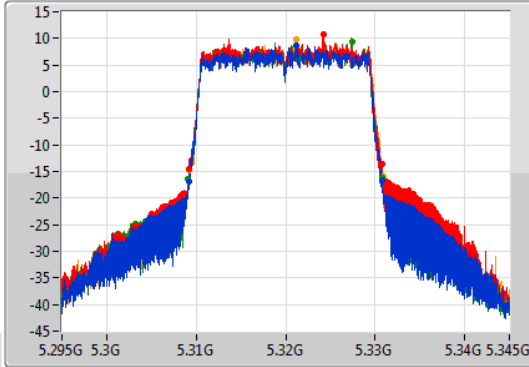
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

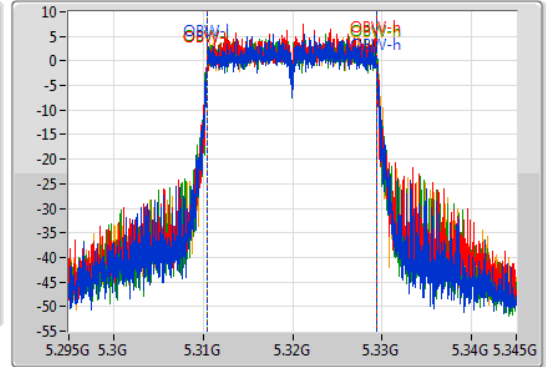
5320MHz

11/04/2019

CF
5.32GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.6M	5.30915G	5.33075G	18.991M	5.310455G	5.329445G	Inf	1
21.5M	5.309225G	5.330725G	18.966M	5.310455G	5.32942G	Inf	2
21.675M	5.3091G	5.330775G	19.015M	5.31043G	5.329445G	Inf	3
21.675M	5.30925G	5.330925G	18.991M	5.310455G	5.329445G	Inf	4

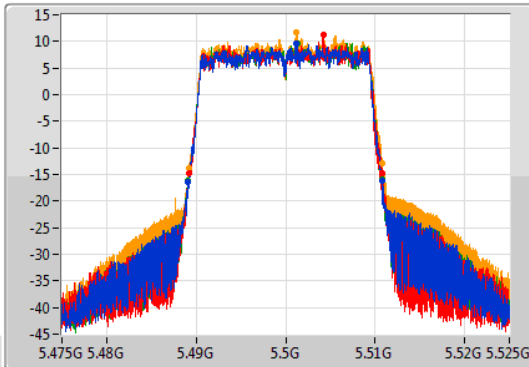
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

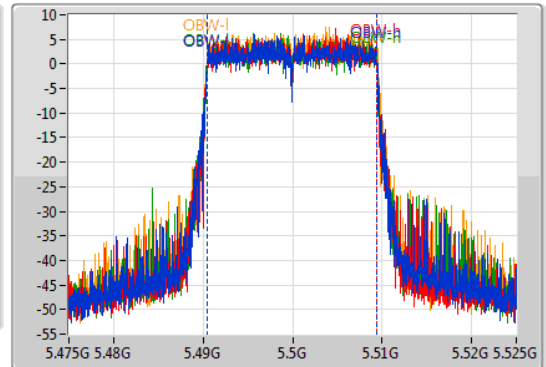
5500MHz

10/04/2019

CF
5.5GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.4891G	5.510825G	18.966M	5.490455G	5.50942G	Inf	1
21.575M	5.48925G	5.510825G	18.941M	5.49048G	5.50942G	Inf	2
21.725M	5.4891G	5.510825G	18.966M	5.490455G	5.50942G	Inf	3
21.65M	5.4892G	5.51085G	19.015M	5.49043G	5.509445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

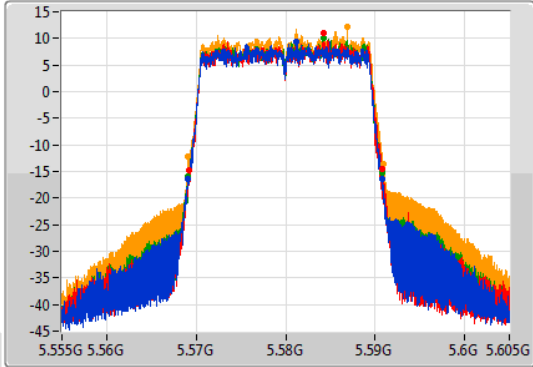
EBW

5580MHz

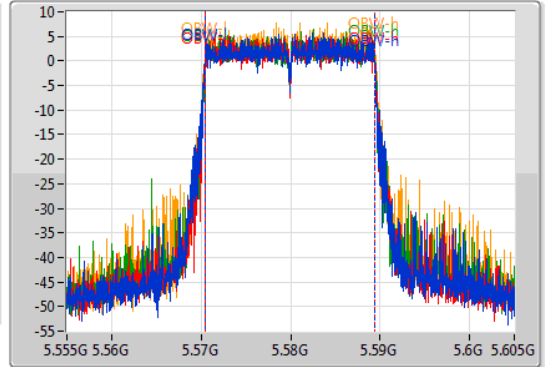
10/04/2019

CF: 5.58GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1:
 Port 2:
 Port 3:
 Port 4:



CF: 5.58GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.7M	5.5691G	5.5908G	18.966M	5.57043G	5.589395G	Inf	1
21.525M	5.569275G	5.5908G	18.991M	5.57043G	5.58942G	Inf	2
21.625M	5.569125G	5.59075G	18.991M	5.570455G	5.589445G	Inf	3
21.775M	5.569125G	5.5909G	18.941M	5.57048G	5.58942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

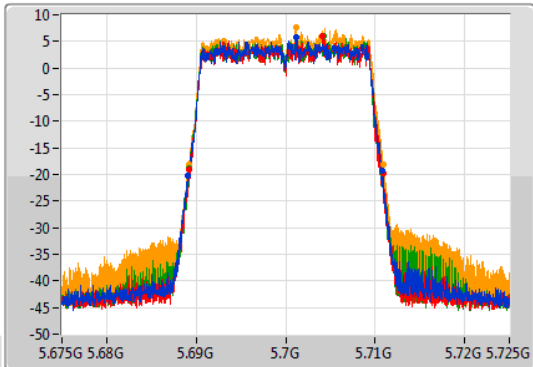
EBW

5700MHz

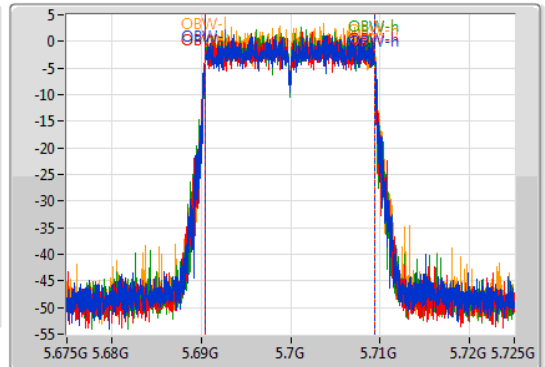
10/04/2019

CF: 5.7GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1:
 Port 2:
 Port 3:
 Port 4:



CF: 5.7GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



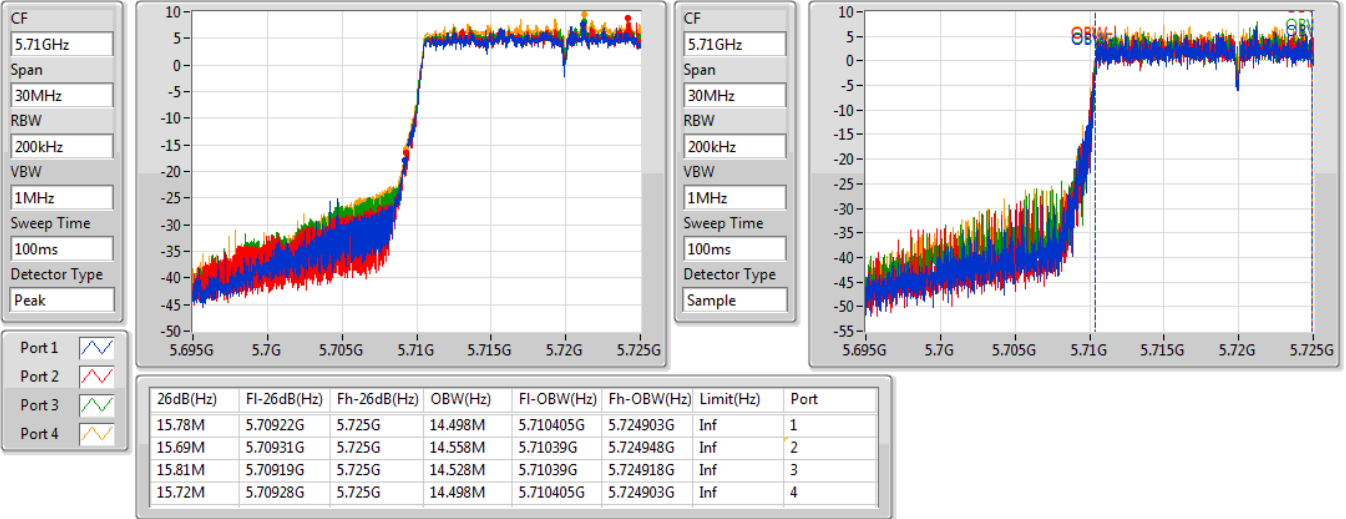
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.6891G	5.71085G	18.991M	5.69043G	5.70942G	Inf	1
21.65M	5.689225G	5.710875G	18.966M	5.69043G	5.709395G	Inf	2
21.65M	5.689175G	5.710825G	18.941M	5.690455G	5.709395G	Inf	3
21.775M	5.68915G	5.710925G	18.966M	5.690455G	5.70942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/04/2019

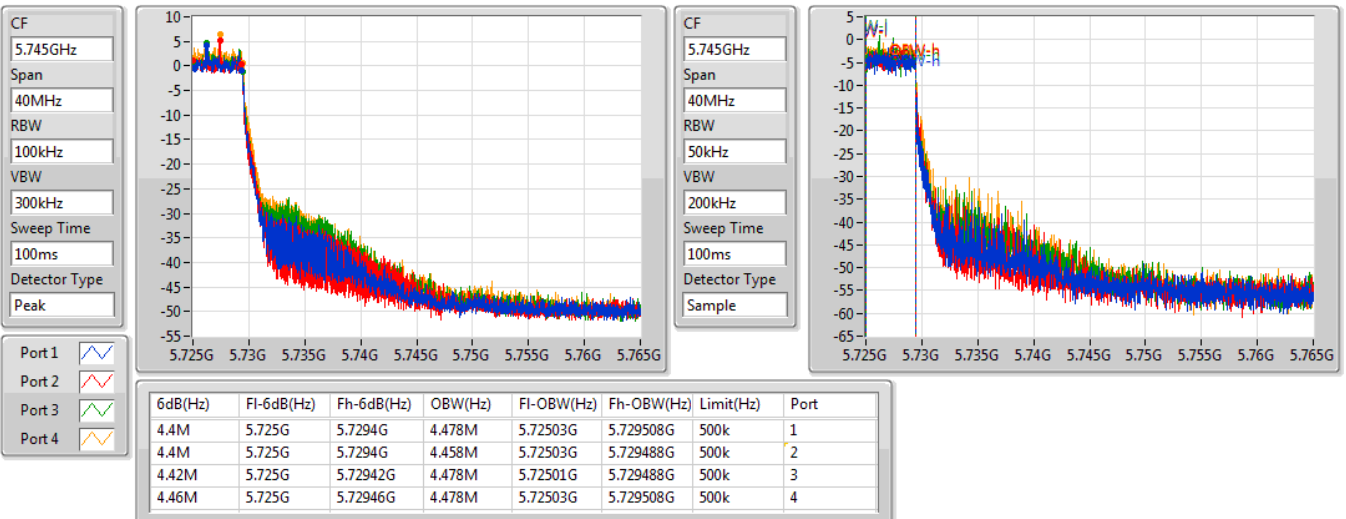


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/04/2019



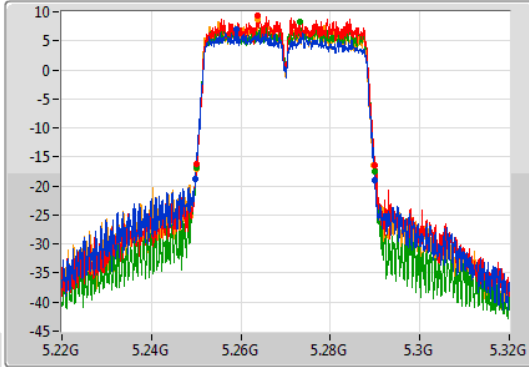
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

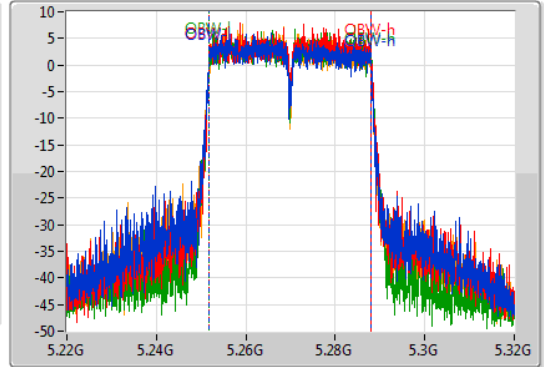
5270MHz

11/04/2019

CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.24975G	5.28995G	36.232M	5.251759G	5.287991G	Inf	1
39.95M	5.25005G	5.29G	36.182M	5.251859G	5.288041G	Inf	2
40M	5.25G	5.29G	36.232M	5.251809G	5.288041G	Inf	3
39.65M	5.2501G	5.28975G	36.232M	5.251759G	5.287991G	Inf	4

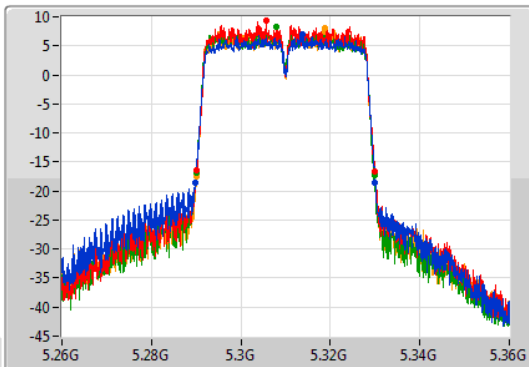
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

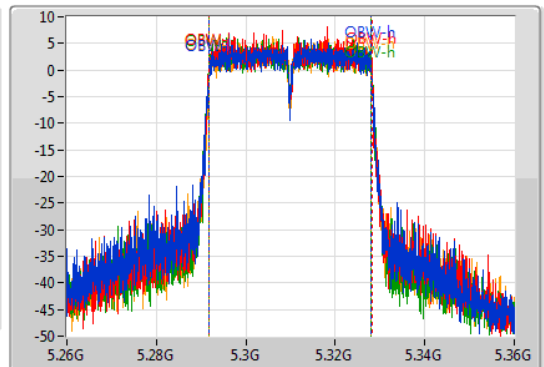
5310MHz

11/04/2019

CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.2898G	5.33005G	36.232M	5.291809G	5.328041G	Inf	1
39.9M	5.29005G	5.32995G	36.332M	5.291809G	5.328141G	Inf	2
40M	5.28995G	5.32995G	36.282M	5.291759G	5.328041G	Inf	3
39.8M	5.29005G	5.32985G	36.232M	5.291809G	5.328041G	Inf	4

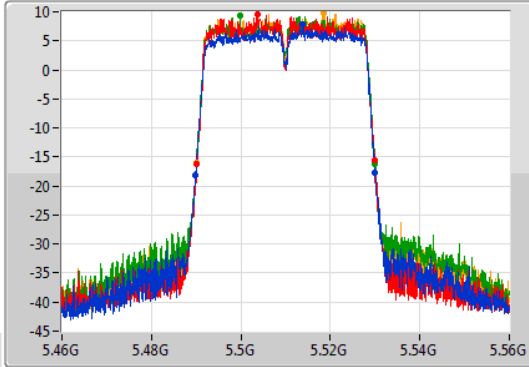
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

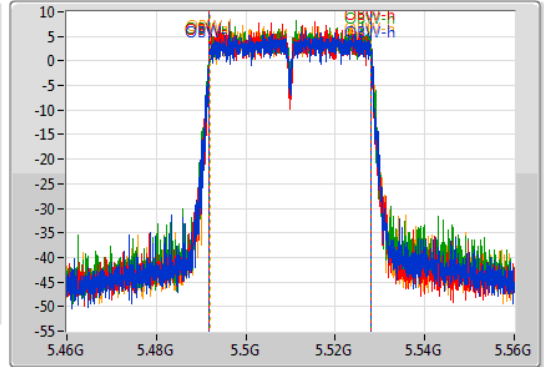
5510MHz

11/04/2019

CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.48985G	5.53005G	36.232M	5.491859G	5.528091G	Inf	1
39.85M	5.4901G	5.52995G	36.232M	5.491809G	5.528041G	Inf	2
40.1M	5.48995G	5.53005G	36.232M	5.491809G	5.528041G	Inf	3
39.7M	5.4902G	5.5299G	36.132M	5.491909G	5.528041G	Inf	4

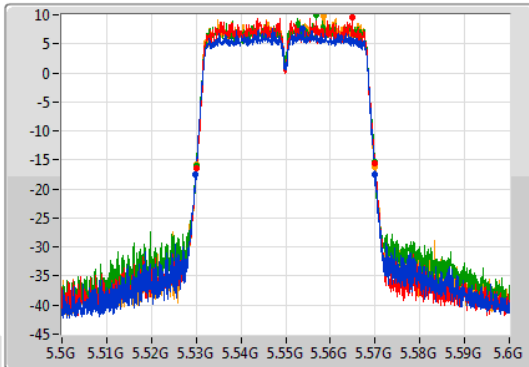
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

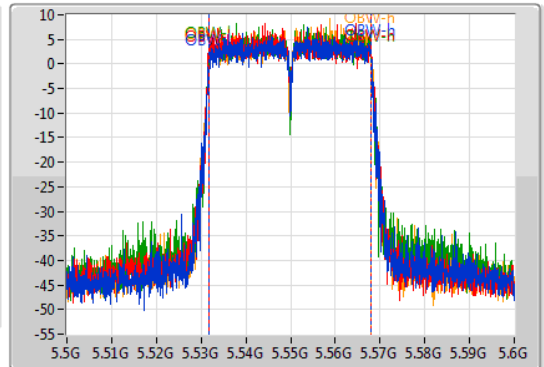
5550MHz

11/04/2019

CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.52985G	5.57005G	36.282M	5.531809G	5.568091G	Inf	1
39.85M	5.5301G	5.56995G	36.332M	5.531709G	5.568041G	Inf	2
39.95M	5.53G	5.56995G	36.232M	5.531809G	5.568041G	Inf	3
39.8M	5.53015G	5.56995G	36.282M	5.531759G	5.568041G	Inf	4

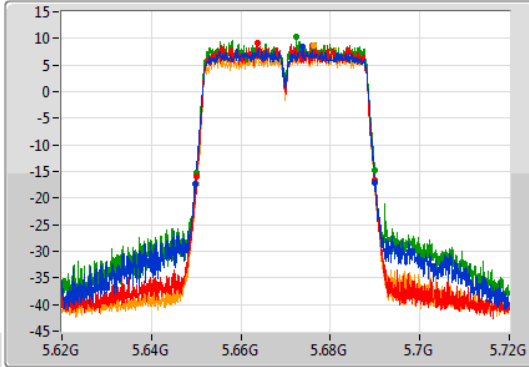
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

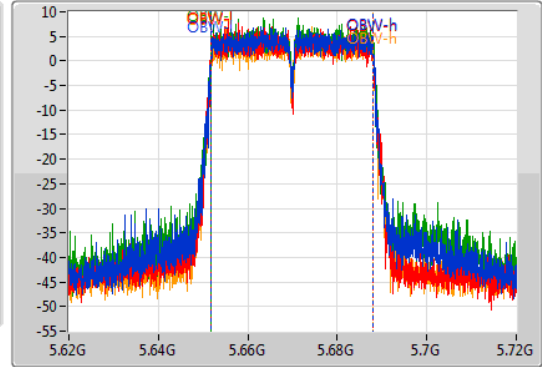
5670MHz

11/04/2019

CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.64975G	5.69005G	36.232M	5.651809G	5.688041G	Inf	1
39.95M	5.6501G	5.69005G	36.282M	5.651709G	5.687991G	Inf	2
40M	5.64995G	5.68995G	36.232M	5.651809G	5.688041G	Inf	3
39.8M	5.65015G	5.68995G	36.232M	5.651759G	5.687991G	Inf	4

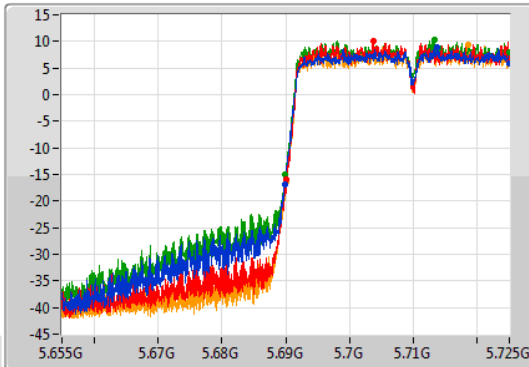
802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

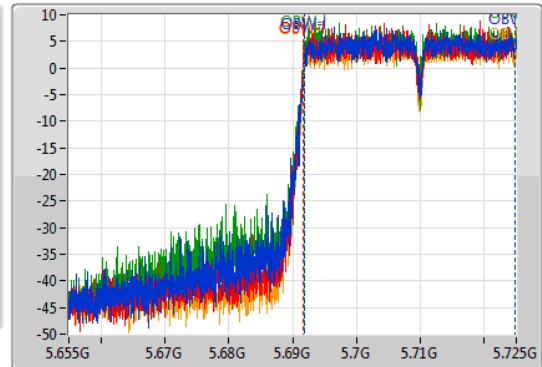
5710MHz Straddle 5.47-5.725GHz

11/04/2019

CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

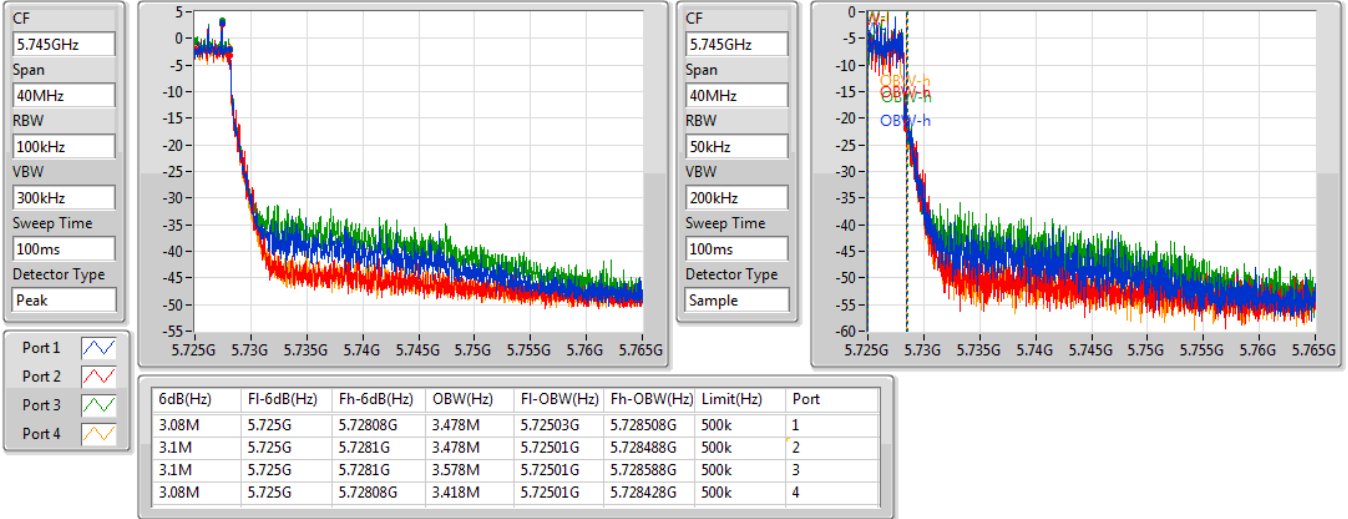
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.175M	5.689825G	5.725G	33.058M	5.691784G	5.724843G	Inf	1
34.895M	5.690105G	5.725G	33.128M	5.691749G	5.724878G	Inf	2
35.07M	5.68993G	5.725G	33.058M	5.691784G	5.724843G	Inf	3
34.86M	5.69014G	5.725G	33.058M	5.691749G	5.724808G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

11/04/2019

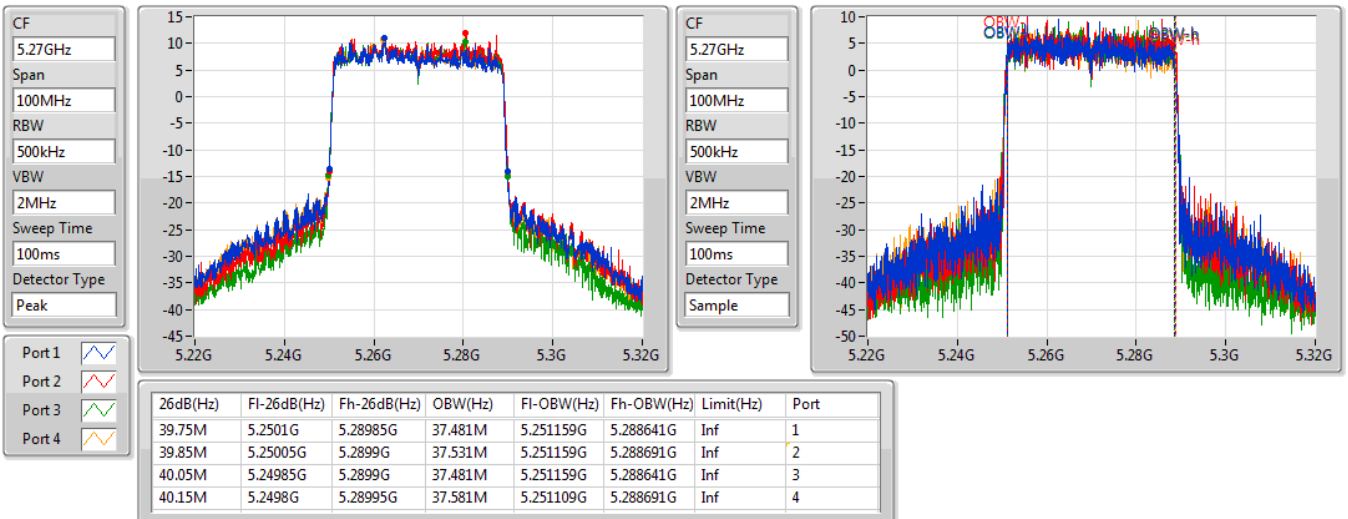


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

11/04/2019



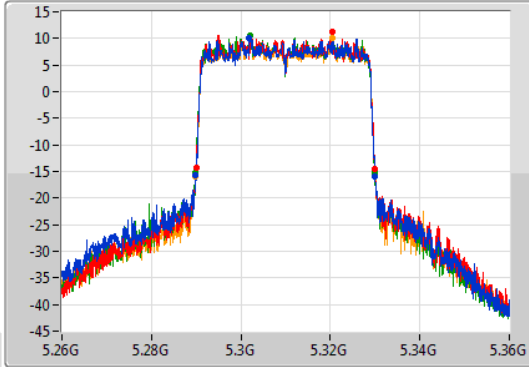
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

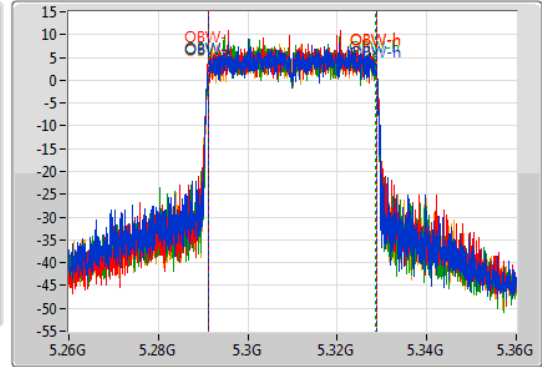
5310MHz

11/04/2019

CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.2M	5.28985G	5.33005G	37.581M	5.291159G	5.328741G	Inf	1
39.85M	5.29005G	5.3299G	37.631M	5.291109G	5.328741G	Inf	2
40.1M	5.2898G	5.3299G	37.531M	5.291109G	5.328641G	Inf	3
40.15M	5.28985G	5.33G	37.581M	5.291159G	5.328741G	Inf	4

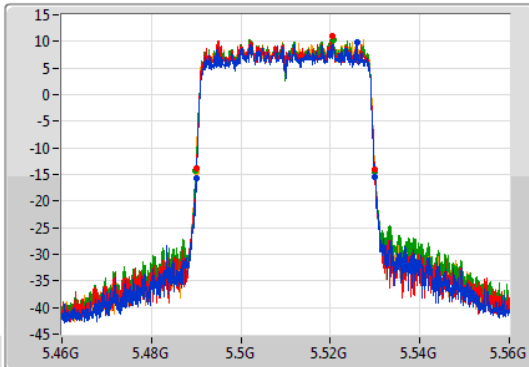
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

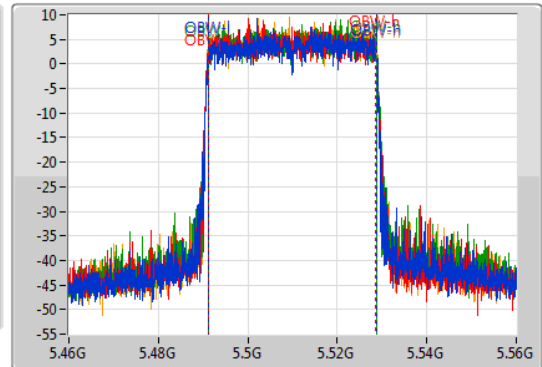
5510MHz

11/04/2019

CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.49G	5.53005G	37.531M	5.491209G	5.528741G	Inf	1
39.8M	5.4901G	5.5299G	37.481M	5.491159G	5.528641G	Inf	2
40.05M	5.4899G	5.52995G	37.531M	5.491159G	5.528691G	Inf	3
39.95M	5.49005G	5.53G	37.531M	5.491209G	5.528741G	Inf	4

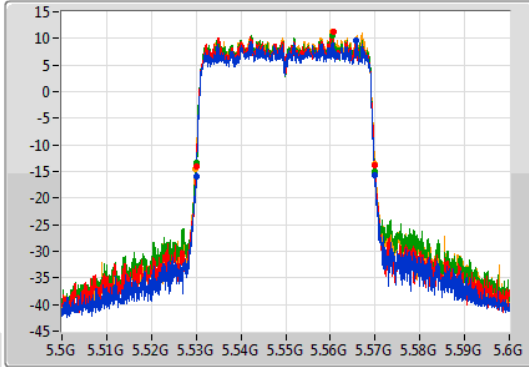
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

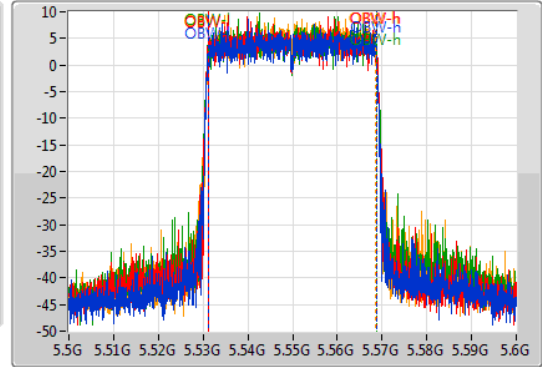
5550MHz

10/04/2019

CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.53G	5.57005G	37.581M	5.531159G	5.568741G	Inf	1
39.85M	5.53005G	5.5699G	37.631M	5.531109G	5.568741G	Inf	2
40.05M	5.52995G	5.57G	37.631M	5.531059G	5.568691G	Inf	3
40.1M	5.5299G	5.57G	37.531M	5.531109G	5.568641G	Inf	4

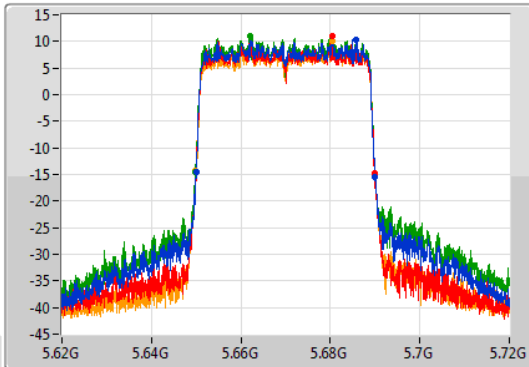
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

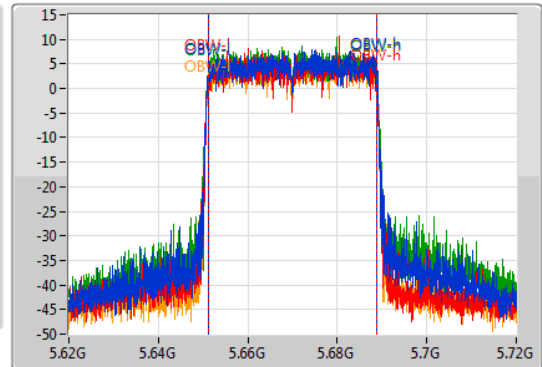
5670MHz

10/04/2019

CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

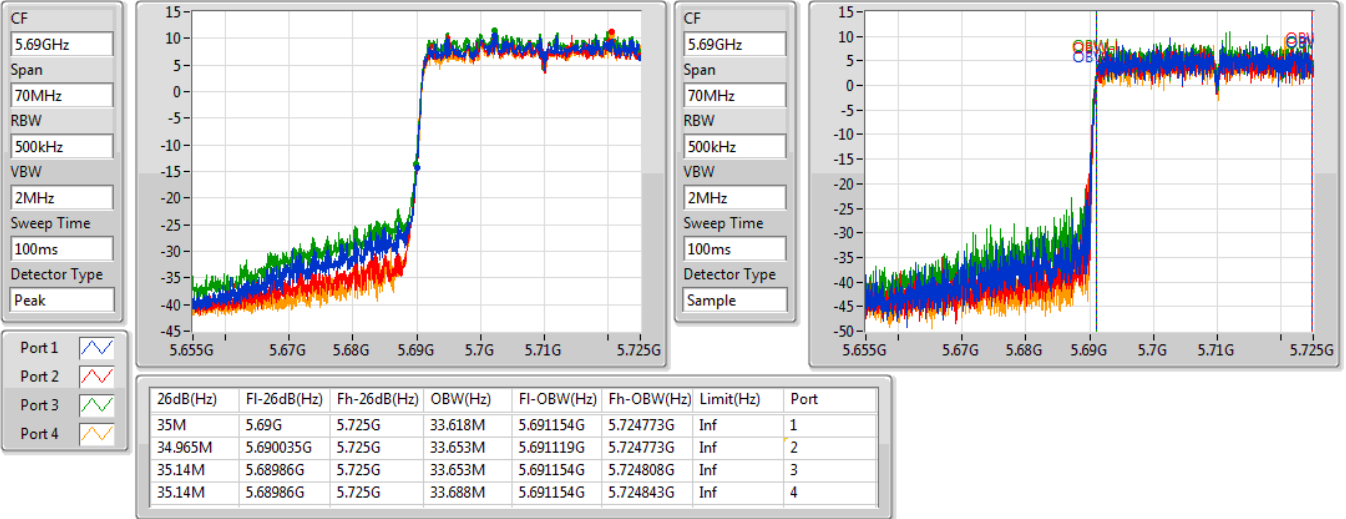
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.65G	5.69005G	37.631M	5.651109G	5.688741G	Inf	1
39.9M	5.65005G	5.68995G	37.581M	5.651109G	5.688691G	Inf	2
40.15M	5.6498G	5.68995G	37.631M	5.651109G	5.688741G	Inf	3
40.15M	5.64985G	5.69G	37.531M	5.651159G	5.688691G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

10/04/2019

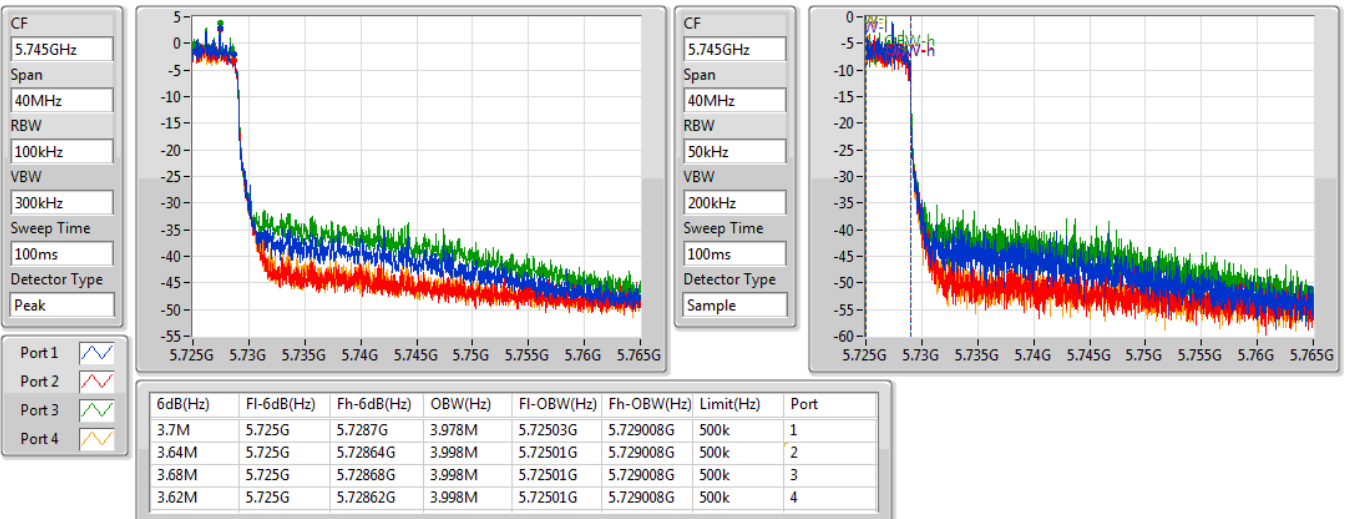


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

10/04/2019



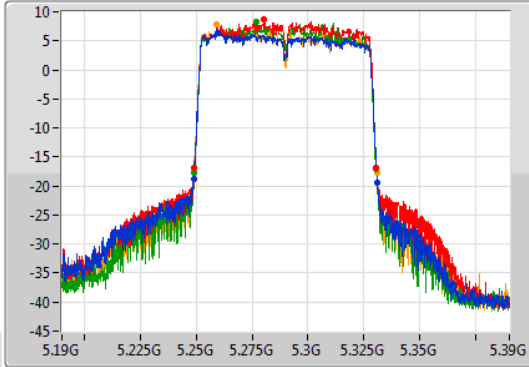
802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

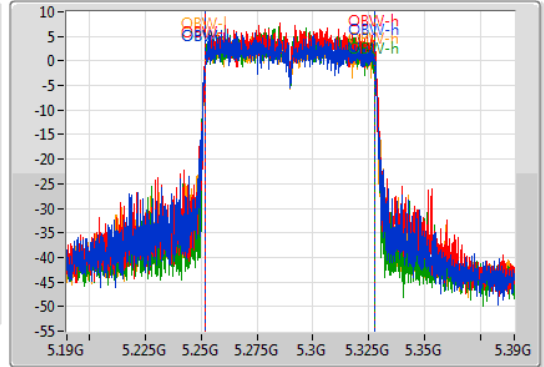
5290MHz

11/04/2019

CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.2488G	5.331G	75.762M	5.251919G	5.327681G	Inf	1
81.3M	5.2493G	5.3306G	75.762M	5.252019G	5.327781G	Inf	2
81.4M	5.2492G	5.3306G	75.662M	5.252019G	5.327681G	Inf	3
81.9M	5.2488G	5.3307G	75.762M	5.251919G	5.327681G	Inf	4

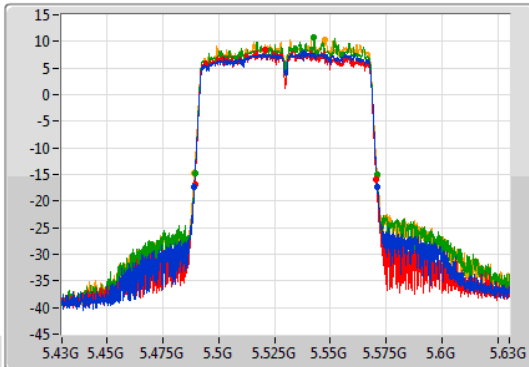
802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

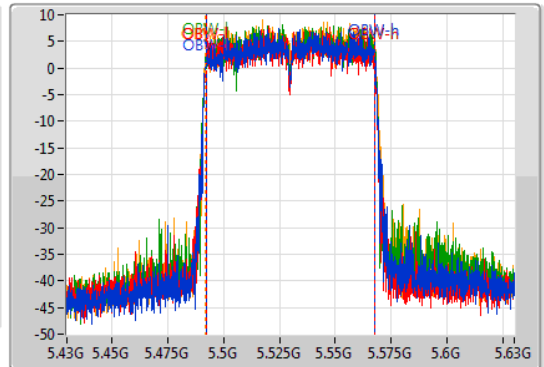
5530MHz

11/04/2019

CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.4891G	5.5711G	75.662M	5.492119G	5.567781G	Inf	1
81.2M	5.4894G	5.5706G	75.462M	5.492219G	5.567681G	Inf	2
81.1M	5.4896G	5.5707G	75.762M	5.492119G	5.567881G	Inf	3
81.8M	5.4892G	5.571G	75.862M	5.492019G	5.567881G	Inf	4

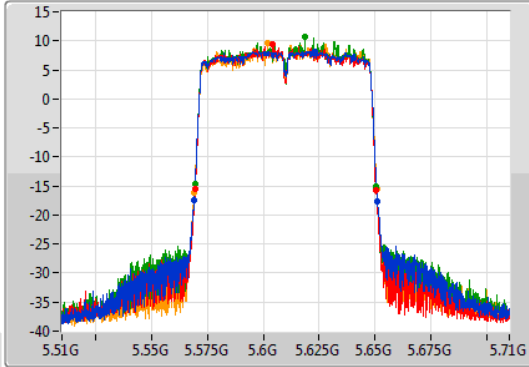
802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

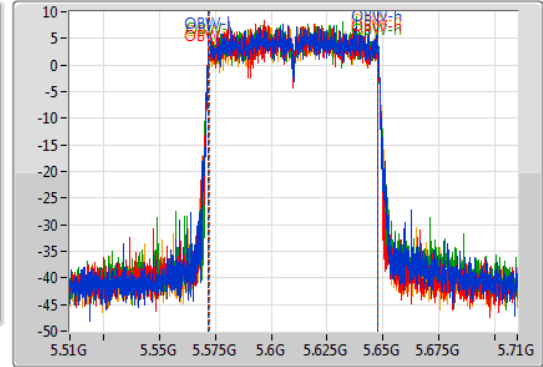
5610MHz

11/04/2019

CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.569G	5.6512G	75.762M	5.572019G	5.647781G	Inf	1
81.1M	5.5695G	5.6506G	75.662M	5.572019G	5.647681G	Inf	2
81.1M	5.5695G	5.6506G	75.562M	5.572119G	5.647681G	Inf	3
81.7M	5.5691G	5.6508G	75.562M	5.572219G	5.647781G	Inf	4

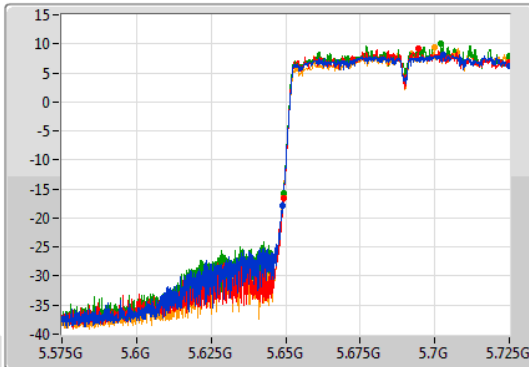
802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

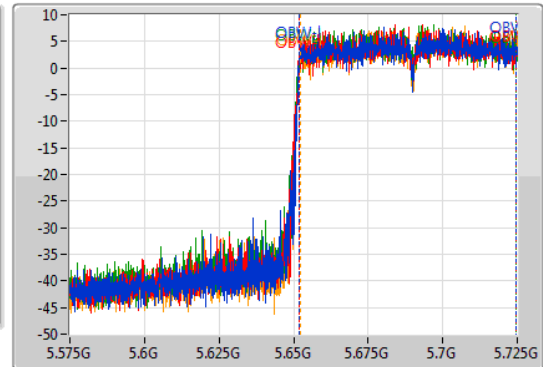
5690MHz Straddle 5.47-5.725GHz

11/04/2019

CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

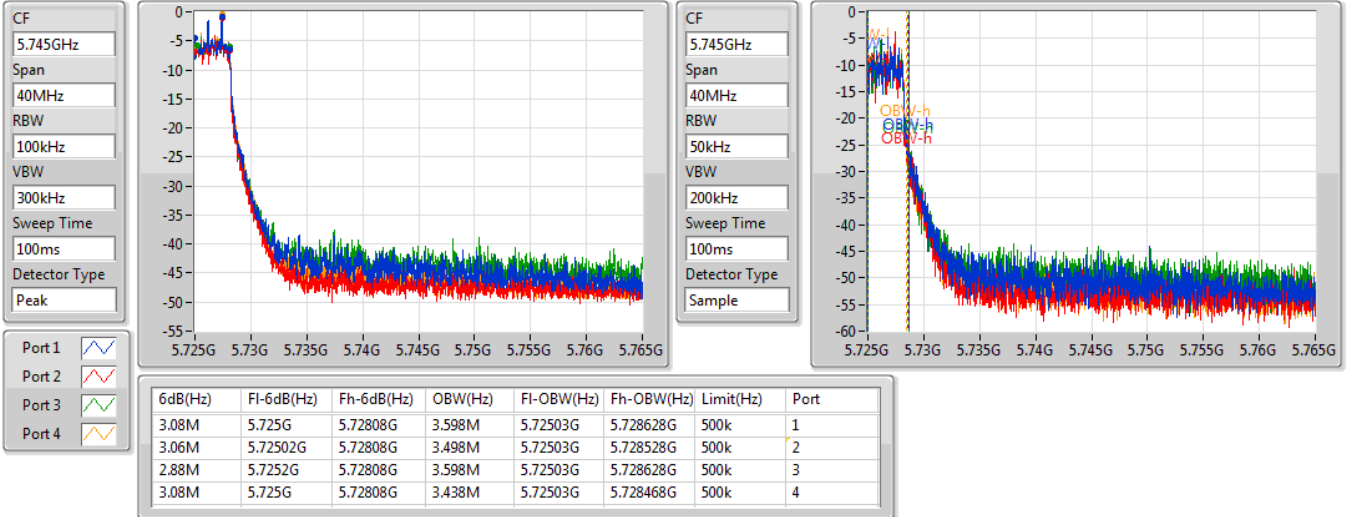
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.05M	5.64895G	5.725G	72.564M	5.652024G	5.724588G	Inf	1
75.75M	5.64925G	5.725G	72.639M	5.651949G	5.724588G	Inf	2
75.675M	5.649325G	5.725G	72.564M	5.652024G	5.724588G	Inf	3
75.825M	5.649175G	5.725G	72.564M	5.652174G	5.724738G	Inf	4

802.11ac VHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

11/04/2019

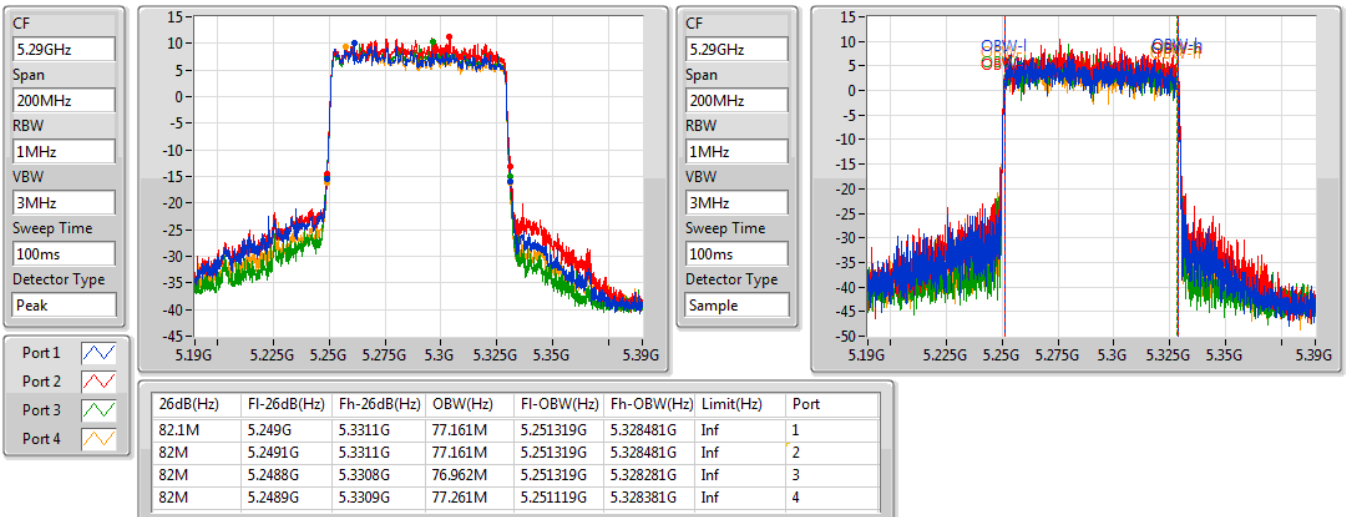


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

11/04/2019



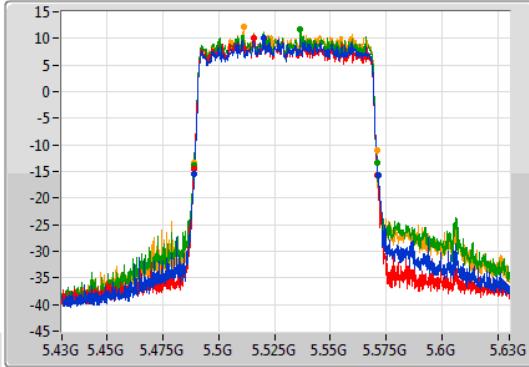
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

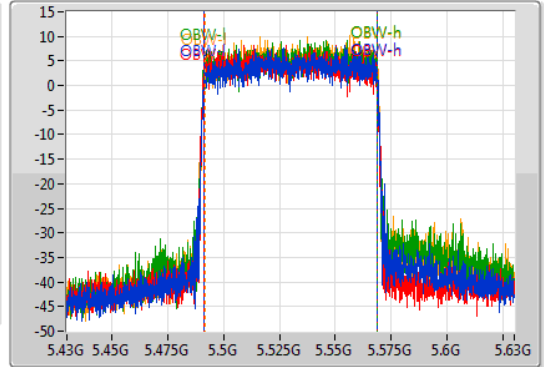
5530MHz

10/04/2019

CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.4892G	5.5713G	76.962M	5.491519G	5.568481G	Inf	1
82.1M	5.4891G	5.5712G	77.061M	5.491419G	5.568481G	Inf	2
81.8M	5.489G	5.5708G	77.061M	5.491419G	5.568481G	Inf	3
81.6M	5.4893G	5.5709G	76.962M	5.491619G	5.568581G	Inf	4

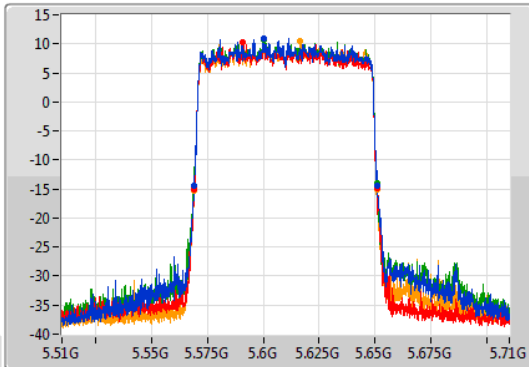
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

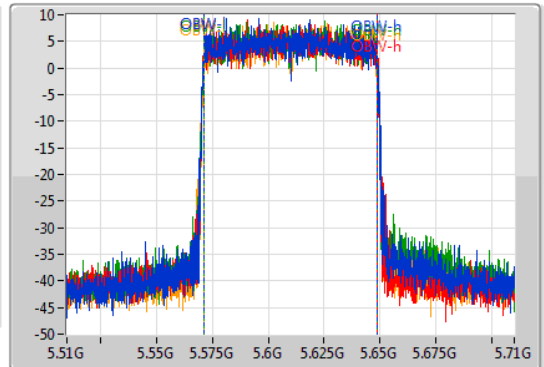
5610MHz

10/04/2019

CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

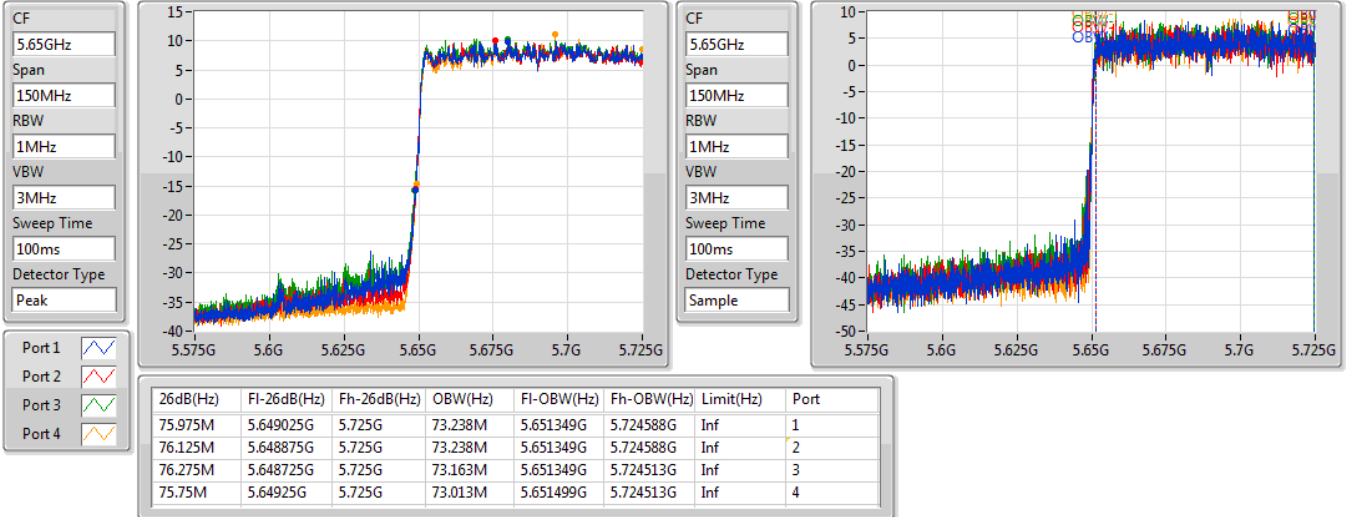
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.5691G	5.6511G	77.061M	5.571419G	5.648481G	Inf	1
82M	5.5691G	5.6511G	77.161M	5.571319G	5.648481G	Inf	2
81.9M	5.5688G	5.6507G	76.962M	5.571519G	5.648481G	Inf	3
81.6M	5.5691G	5.6507G	76.962M	5.571519G	5.648481G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

10/04/2019

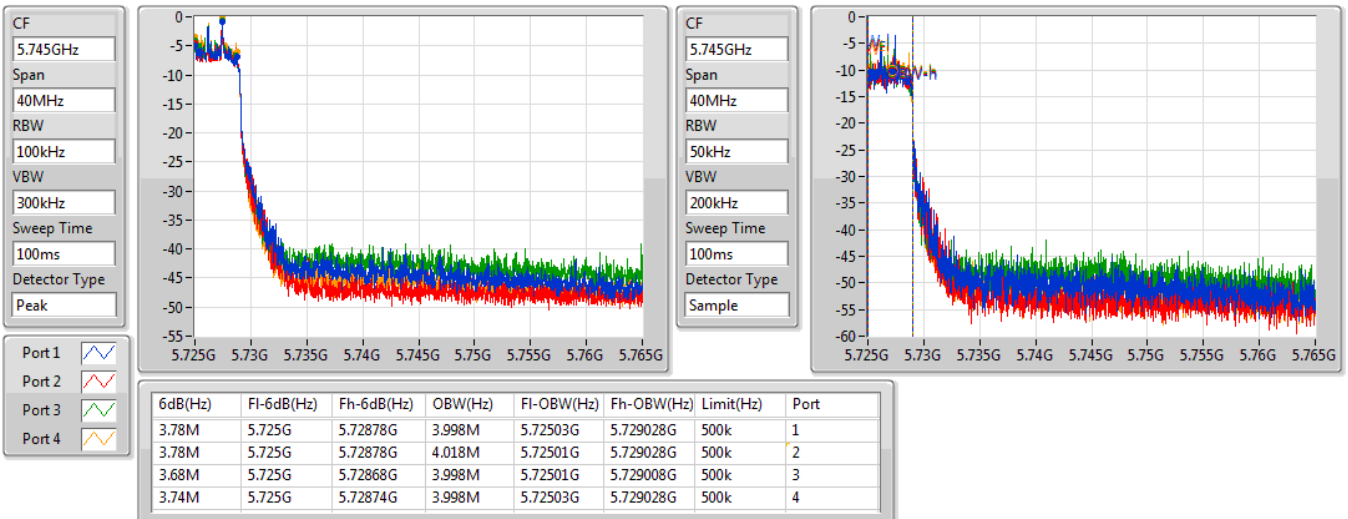


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

10/04/2019

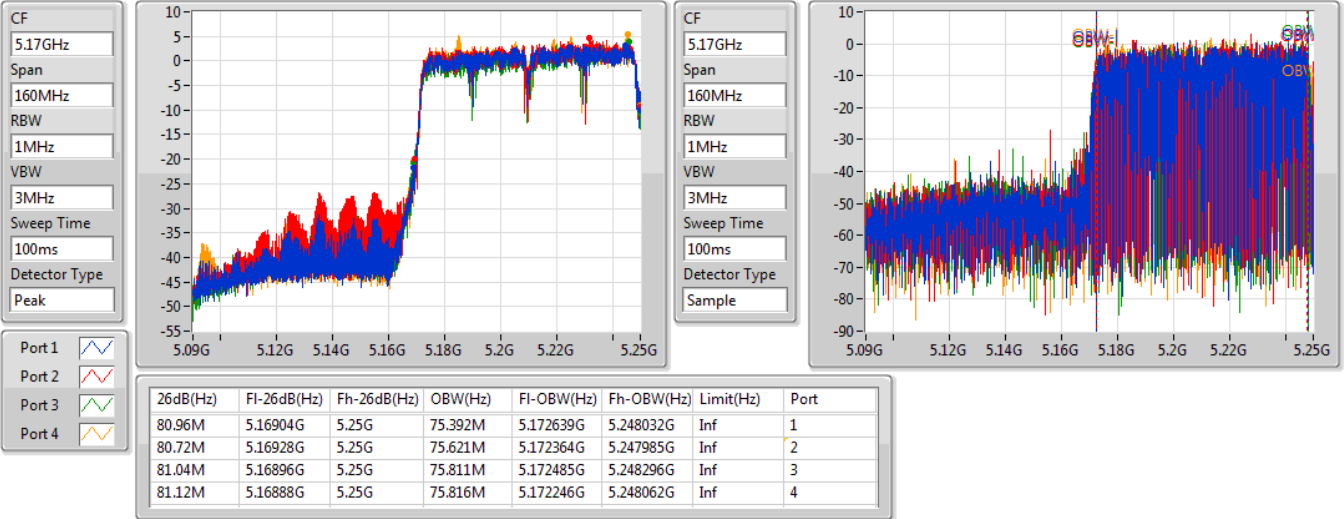


802.11ac VHT160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

15/07/2019

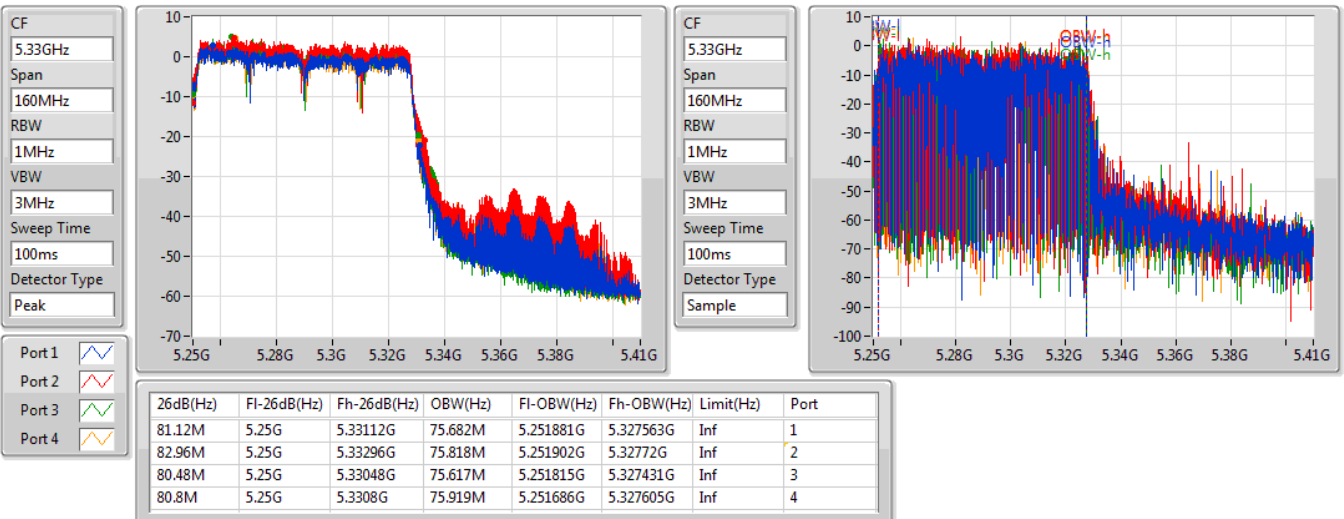


802.11ac VHT160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

15/07/2019



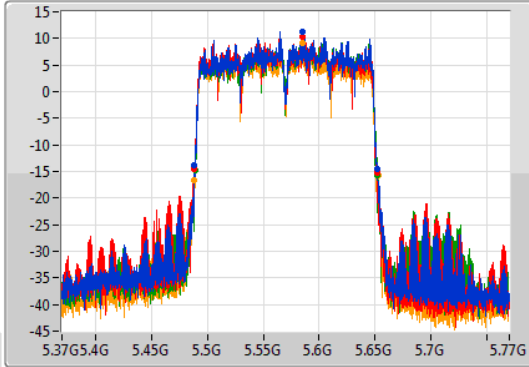
802.11ac VHT160_Nss1,(MCS0)_4TX

EBW

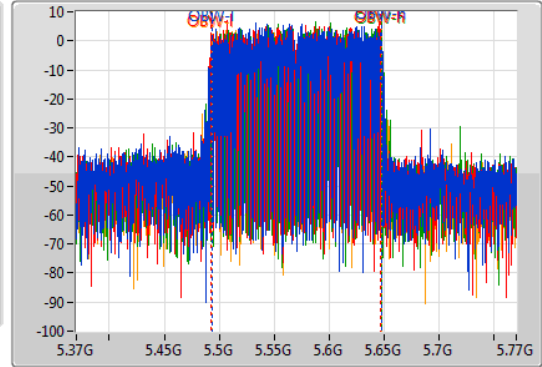
5570MHz

15/07/2019

CF
5.57GHz
Span
400MHz
RBW
2MHz
VBW
8MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
400MHz
RBW
2MHz
VBW
8MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.2M	5.4886G	5.6518G	154.387M	5.493046G	5.647433G	Inf	1
163.6M	5.488G	5.6516G	153.995M	5.492692G	5.646687G	Inf	2
163.6M	5.4888G	5.6524G	153.317M	5.494038G	5.647355G	Inf	3
165M	5.4882G	5.6532G	154.137M	5.493133G	5.647271G	Inf	4

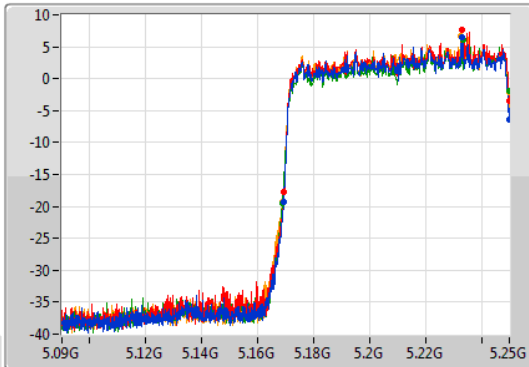
802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

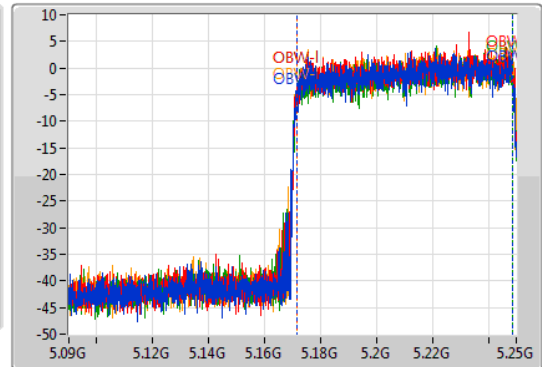
5250MHz Straddle 5.15-5.25GHz

11/04/2019

CF
5.17GHz
Span
160MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.17GHz
Span
160MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

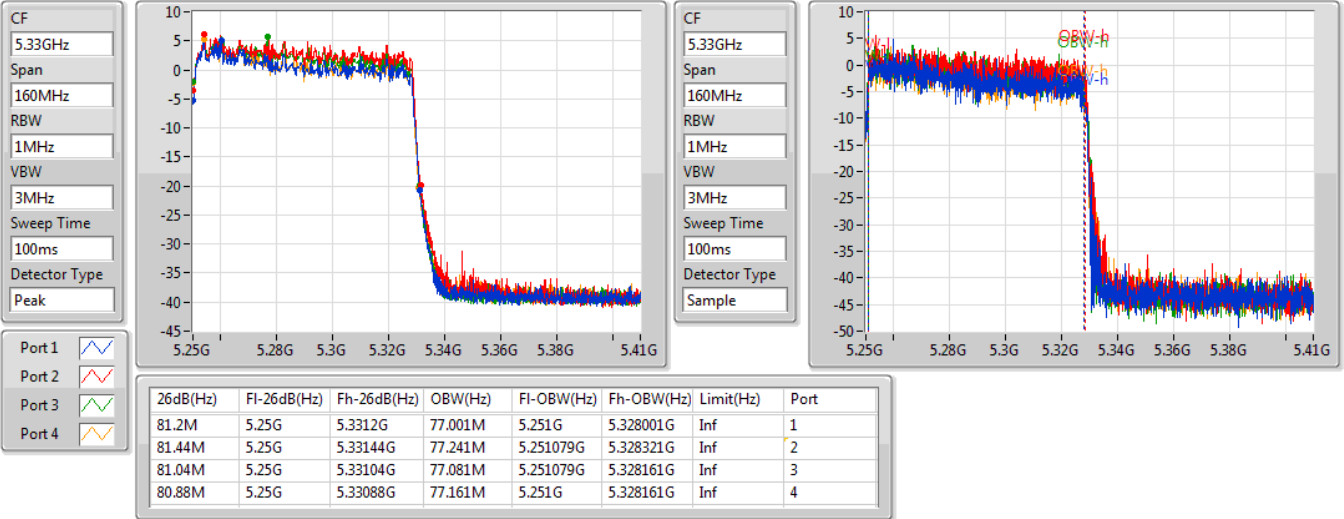
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.8M	5.1692G	5.25G	77.001M	5.171759G	5.248761G	Inf	1
80.48M	5.16952G	5.25G	77.161M	5.171679G	5.248841G	Inf	2
81.2M	5.1688G	5.25G	77.081M	5.171679G	5.248761G	Inf	3
81.2M	5.1688G	5.25G	77.001M	5.171759G	5.248761G	Inf	4

802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

11/04/2019

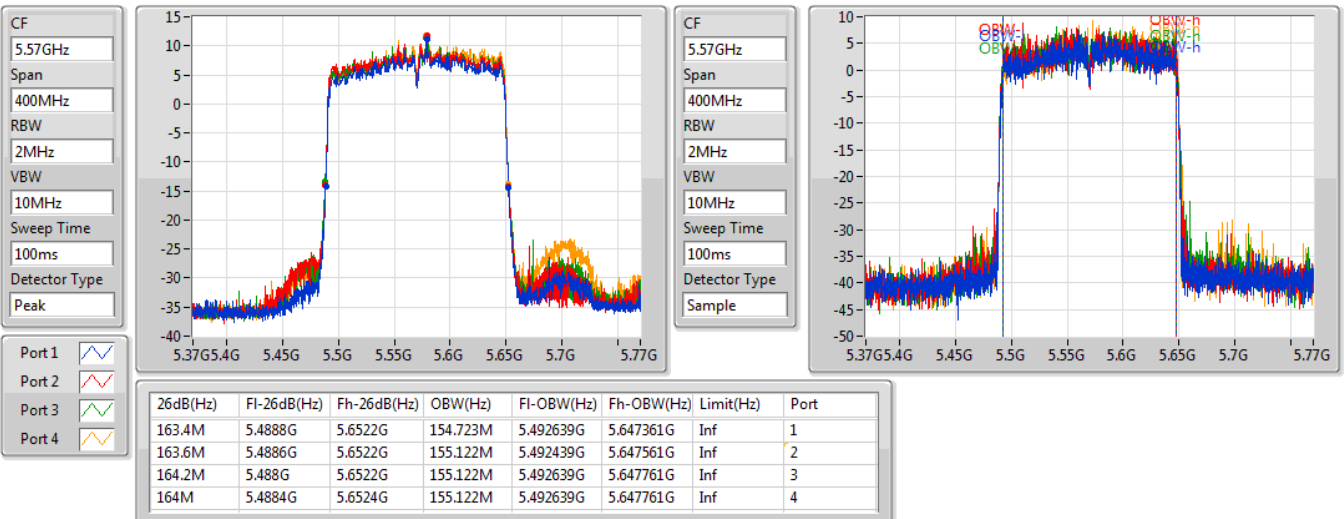


802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

10/04/2019



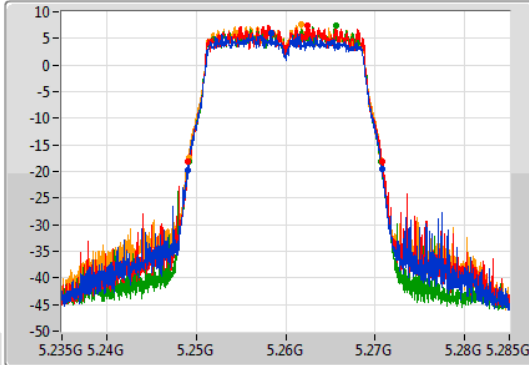
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

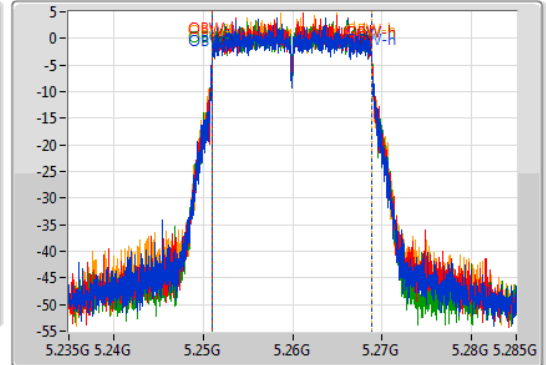
5260MHz

11/04/2019

CF: 5.26GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.26GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.249075G	5.2708G	17.766M	5.251054G	5.268821G	Inf	1
21.75M	5.2491G	5.27085G	17.766M	5.251054G	5.268821G	Inf	2
21.425M	5.2492G	5.270625G	17.766M	5.251054G	5.268821G	Inf	3
21.6M	5.249175G	5.270775G	17.741M	5.251054G	5.268796G	Inf	4

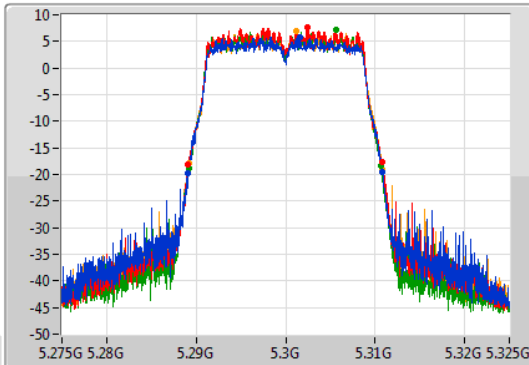
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

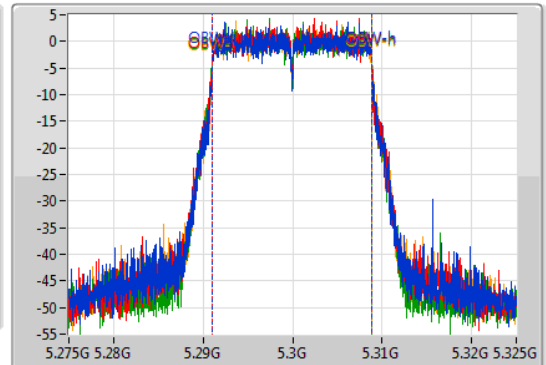
5300MHz

11/04/2019

CF: 5.3GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.3GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.289075G	5.31085G	17.741M	5.291079G	5.308821G	Inf	1
21.675M	5.289125G	5.3108G	17.766M	5.291054G	5.308821G	Inf	2
21.45M	5.28915G	5.3106G	17.791M	5.291029G	5.308821G	Inf	3
21.65M	5.289175G	5.310825G	17.766M	5.291054G	5.308821G	Inf	4

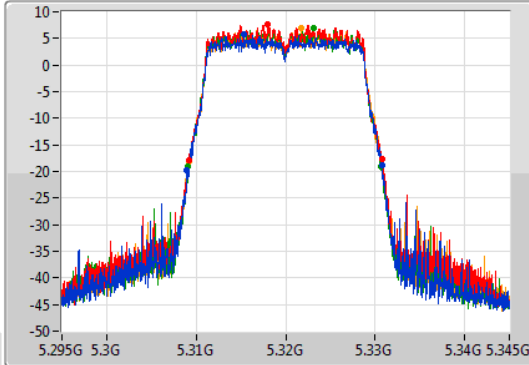
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

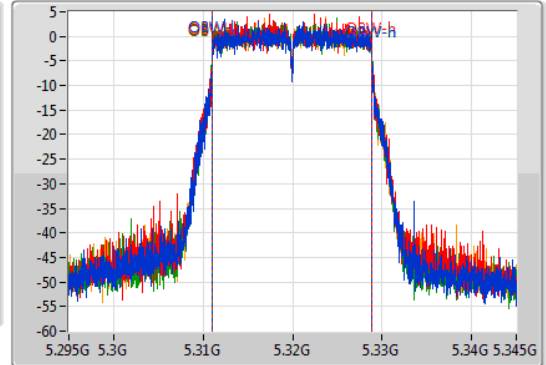
5320MHz

11/04/2019

CF
5.32GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.775M	5.30895G	5.330725G	17.741M	5.311079G	5.328821G	Inf	1
21.625M	5.30915G	5.330775G	17.766M	5.311054G	5.328821G	Inf	2
21.5M	5.309125G	5.330625G	17.816M	5.311029G	5.328846G	Inf	3
21.6M	5.309175G	5.330775G	17.791M	5.311029G	5.328821G	Inf	4

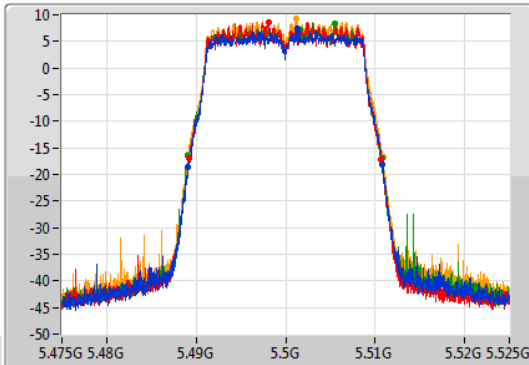
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

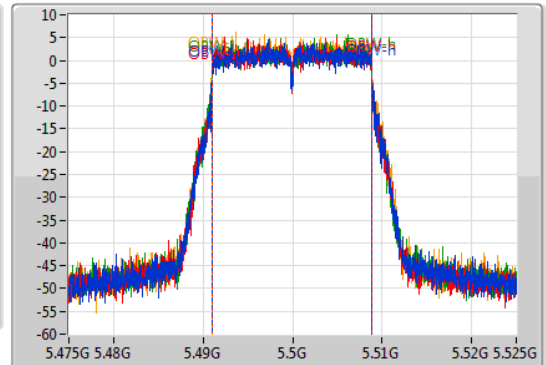
5500MHz

11/04/2019

CF
5.5GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.489075G	5.510825G	17.766M	5.491079G	5.508846G	Inf	1
21.5M	5.4892G	5.5107G	17.766M	5.491054G	5.508821G	Inf	2
21.725M	5.489075G	5.5108G	17.741M	5.491054G	5.508796G	Inf	3
21.75M	5.489125G	5.510875G	17.766M	5.491054G	5.508821G	Inf	4

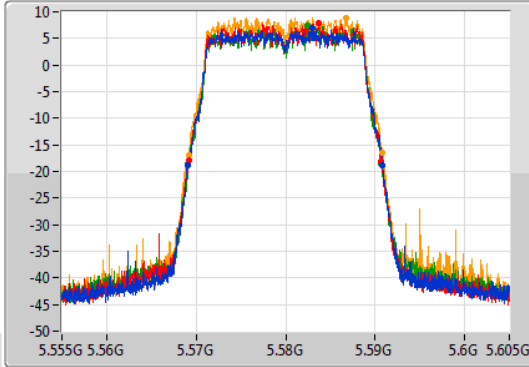
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

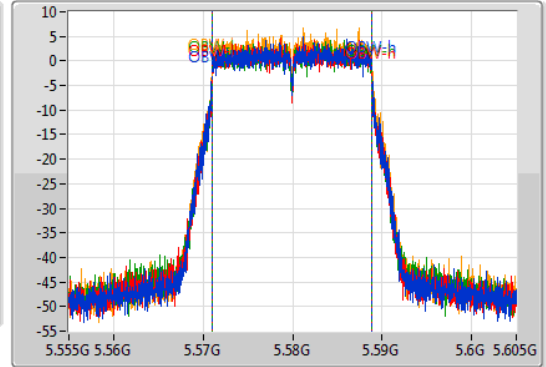
5580MHz

11/04/2019

CF
5.58GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.825M	5.569G	5.590825G	17.791M	5.571029G	5.588821G	Inf	1
21.475M	5.569225G	5.5907G	17.791M	5.571029G	5.588821G	Inf	2
21.6M	5.5691G	5.5907G	17.766M	5.571054G	5.588821G	Inf	3
21.625M	5.569175G	5.5908G	17.791M	5.571029G	5.588821G	Inf	4

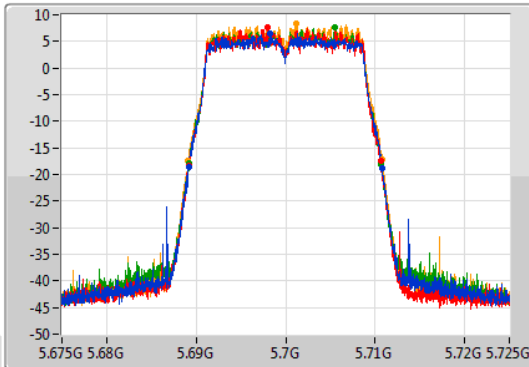
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

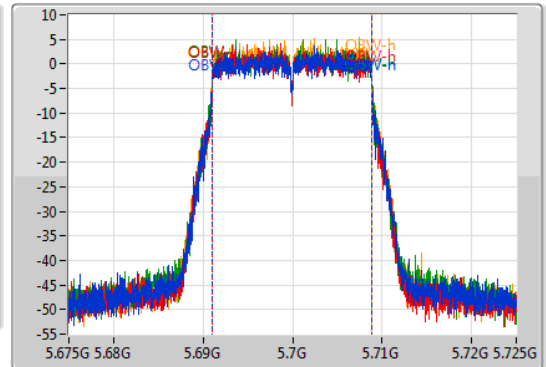
5700MHz

11/04/2019

CF
5.7GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

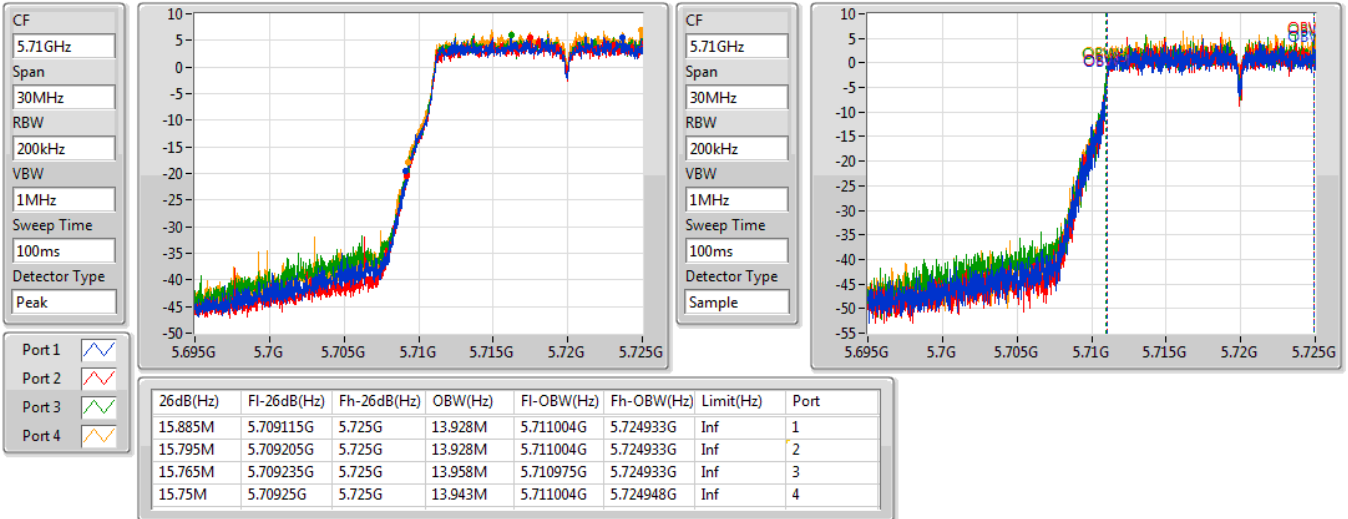
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.68915G	5.710825G	17.816M	5.691029G	5.708846G	Inf	1
21.5M	5.68915G	5.71065G	17.766M	5.691054G	5.708821G	Inf	2
21.425M	5.6892G	5.710625G	17.766M	5.691054G	5.708821G	Inf	3
21.675M	5.689125G	5.7108G	17.766M	5.691054G	5.708821G	Inf	4

802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/04/2019

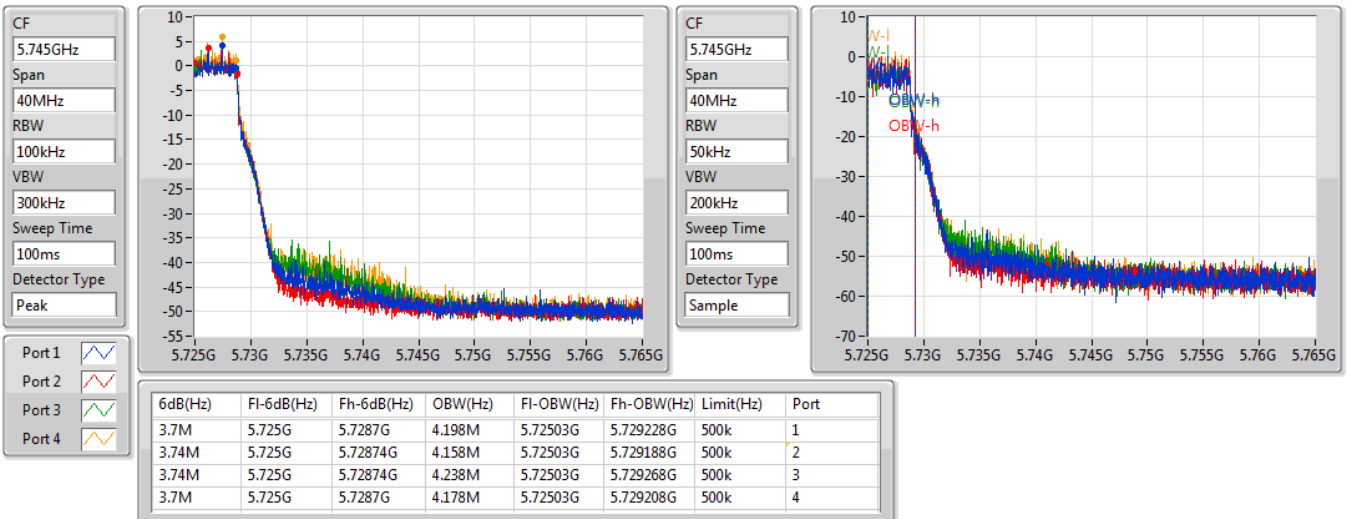


802.11ac VHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/04/2019



802.11ax HEW20-BF_Nss1,(MCS0)_4TX

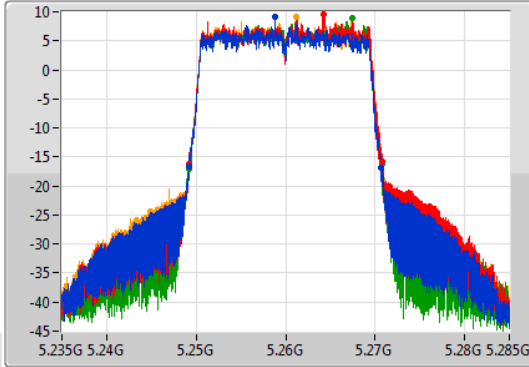
EBW

5260MHz

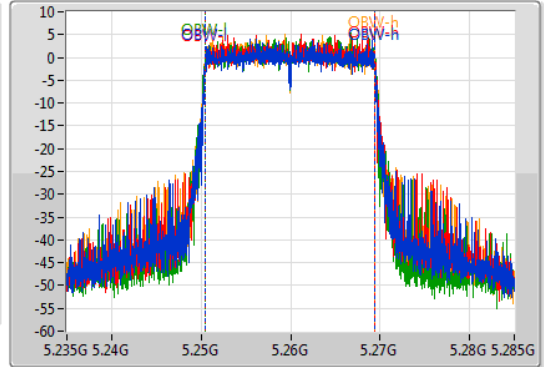
11/04/2019

CF: 5.26GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]



CF: 5.26GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.525M	5.249175G	5.2707G	18.966M	5.250455G	5.26942G	Inf	1
21.575M	5.249225G	5.2708G	18.941M	5.25048G	5.26942G	Inf	2
21.6M	5.24915G	5.27075G	18.966M	5.250455G	5.26942G	Inf	3
21.675M	5.24915G	5.270825G	18.966M	5.25043G	5.269395G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

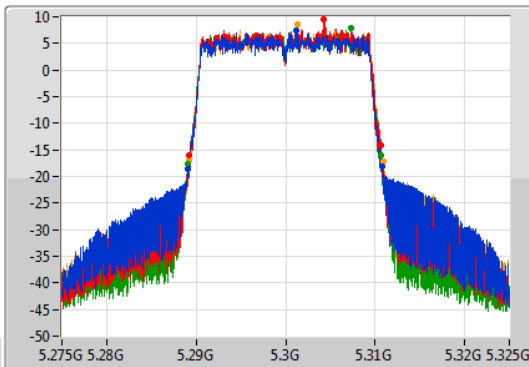
EBW

5300MHz

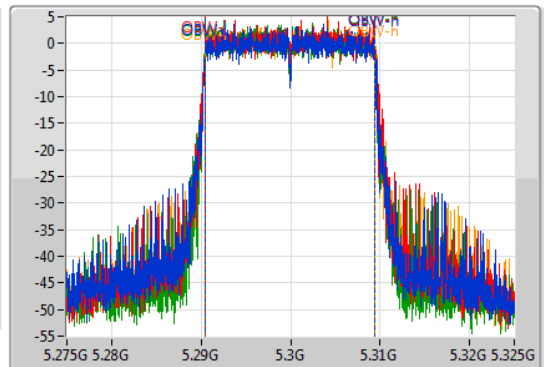
11/04/2019

CF: 5.3GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]



CF: 5.3GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



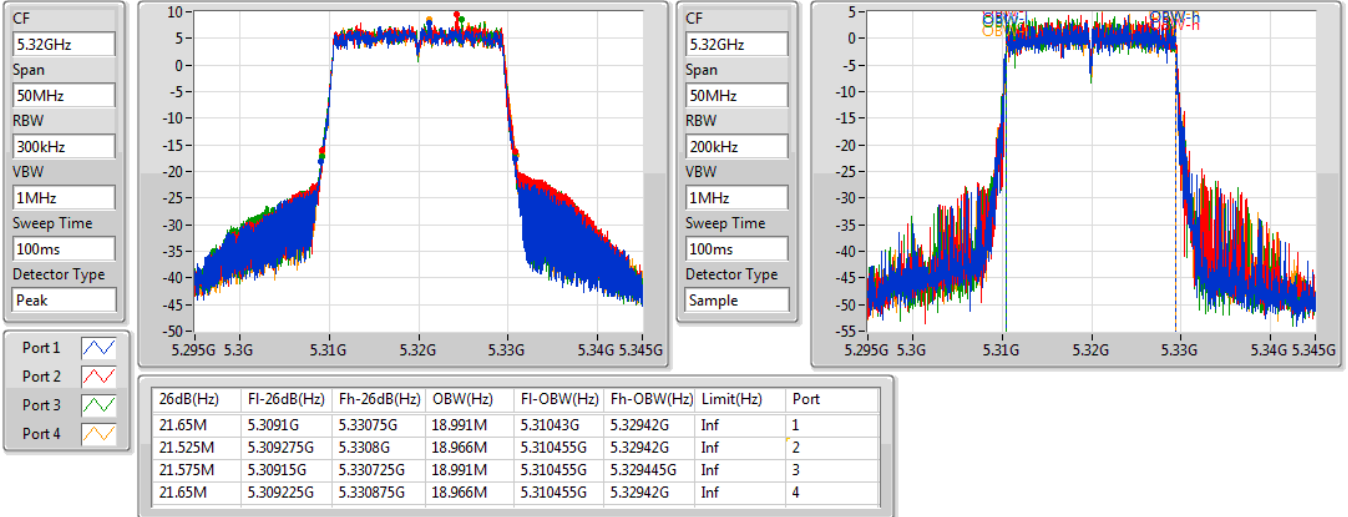
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.2891G	5.310825G	18.966M	5.290455G	5.30942G	Inf	1
21.375M	5.289275G	5.31065G	19.015M	5.29043G	5.309445G	Inf	2
21.6M	5.2891G	5.3107G	18.941M	5.290455G	5.309395G	Inf	3
21.725M	5.2892G	5.310925G	19.015M	5.290455G	5.30947G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

11/04/2019

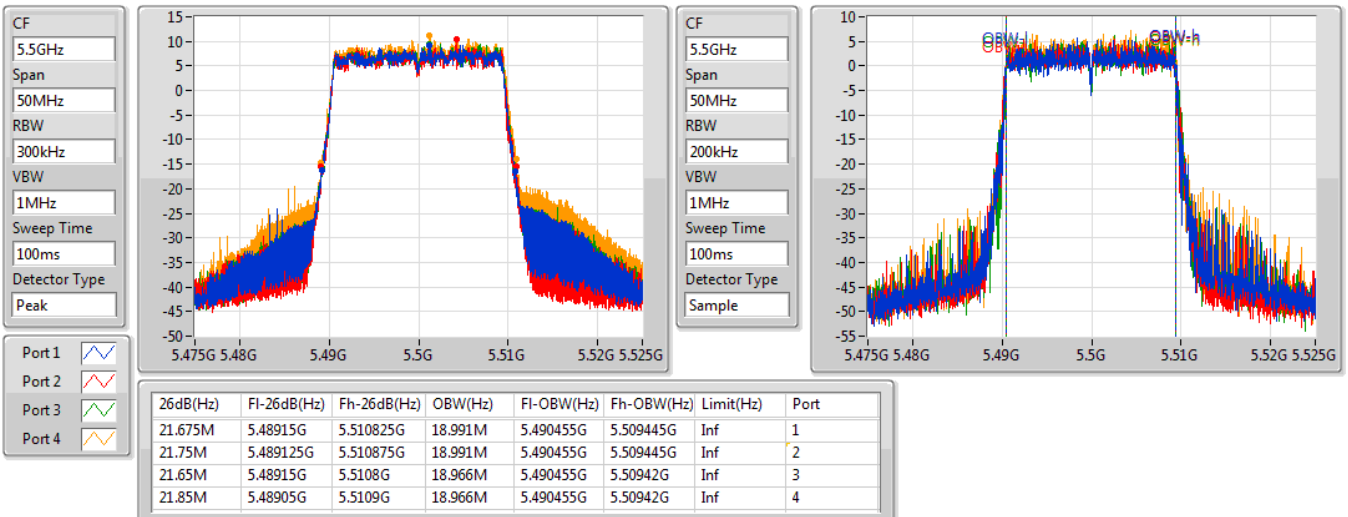


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

10/04/2019



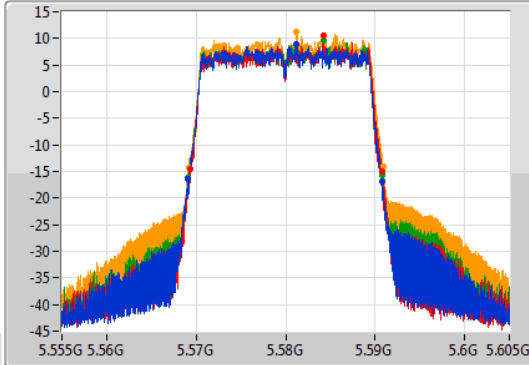
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

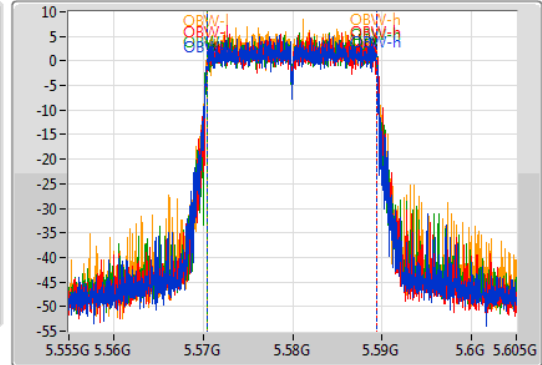
5580MHz

10/04/2019

CF
5.58GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.569125G	5.5908G	19.015M	5.570405G	5.58942G	Inf	1
21.475M	5.569325G	5.5908G	18.966M	5.570455G	5.58942G	Inf	2
21.65M	5.569125G	5.590775G	18.991M	5.570455G	5.589445G	Inf	3
21.775M	5.56915G	5.590925G	18.966M	5.570455G	5.58942G	Inf	4

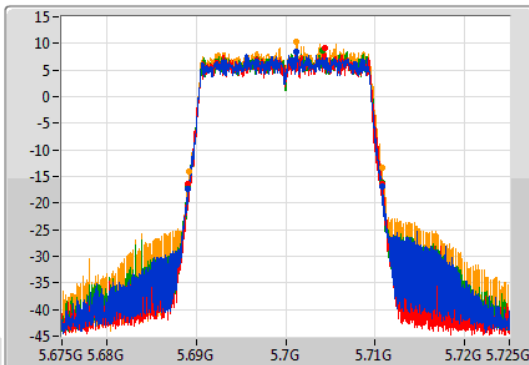
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

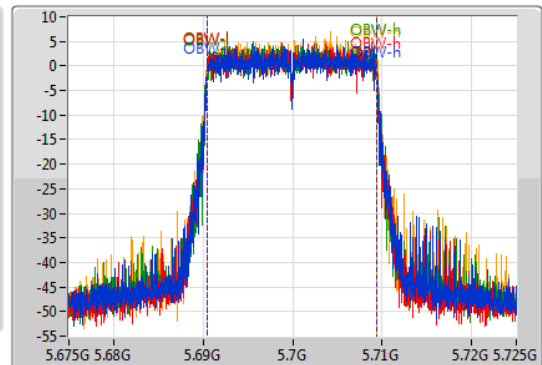
5700MHz

10/04/2019

CF
5.7GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

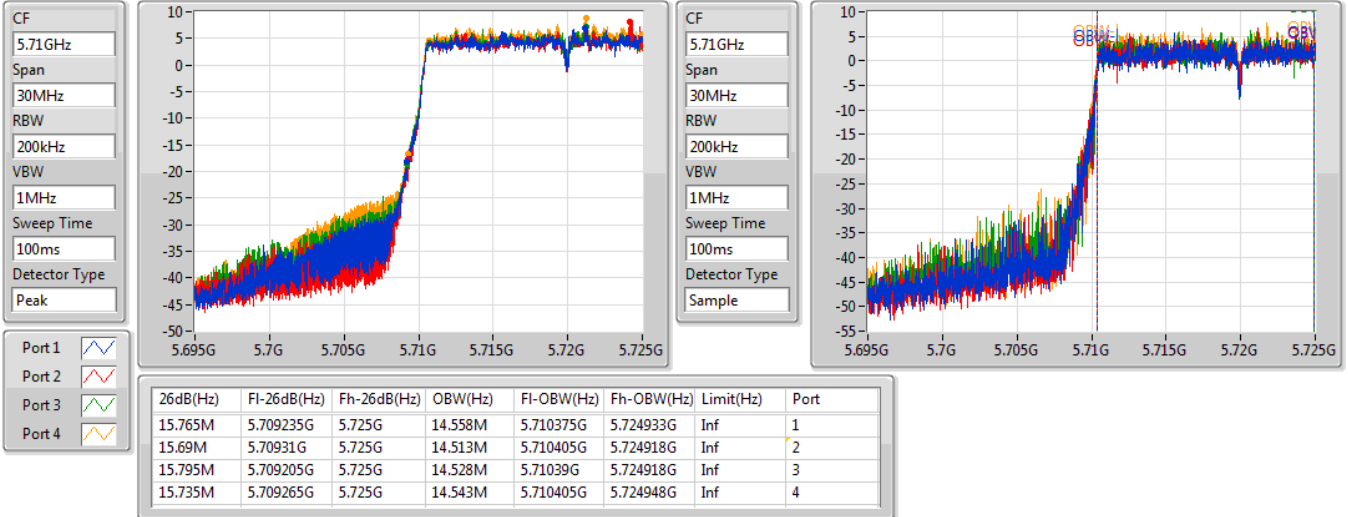
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.689075G	5.71075G	18.941M	5.69043G	5.70937G	Inf	1
21.75M	5.6891G	5.71085G	18.991M	5.69043G	5.70942G	Inf	2
21.65M	5.6891G	5.71075G	18.966M	5.690455G	5.70942G	Inf	3
21.525M	5.68925G	5.710775G	18.991M	5.690455G	5.709445G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/04/2019

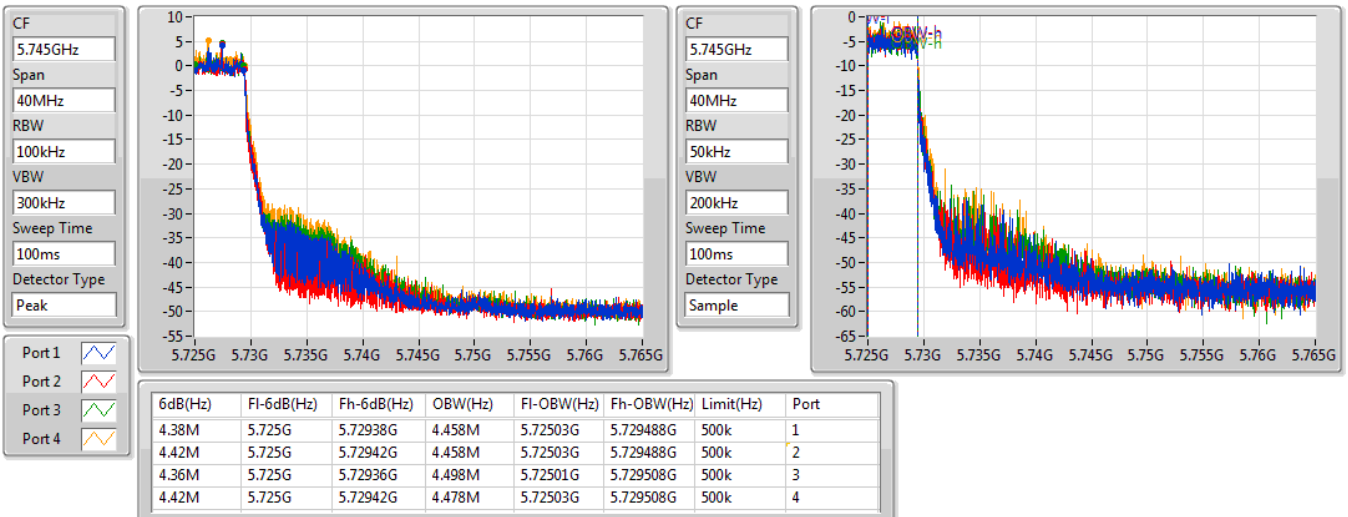


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/04/2019



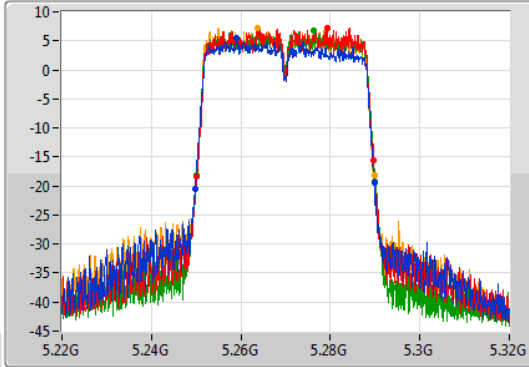
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

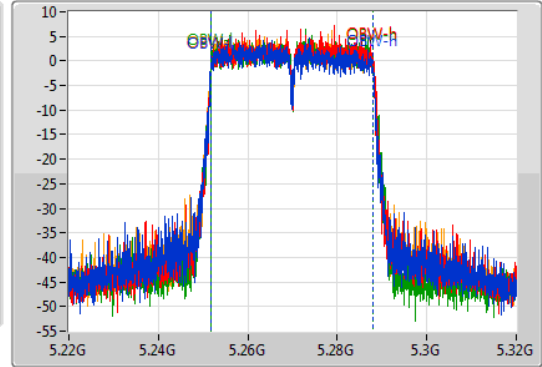
5270MHz

11/04/2019

CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.2498G	5.2899G	36.232M	5.251759G	5.287991G	Inf	1
39.75M	5.25G	5.28975G	36.282M	5.251809G	5.288091G	Inf	2
40.05M	5.25G	5.29005G	36.182M	5.251859G	5.288041G	Inf	3
39.75M	5.2501G	5.28985G	36.182M	5.251809G	5.287991G	Inf	4

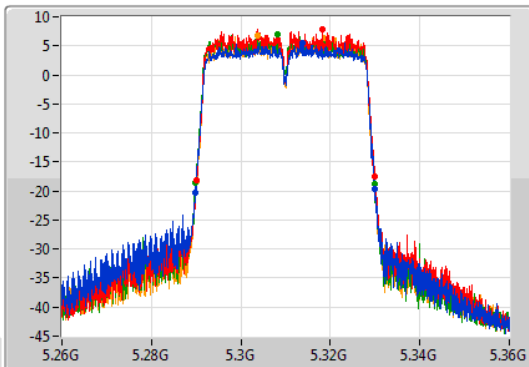
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

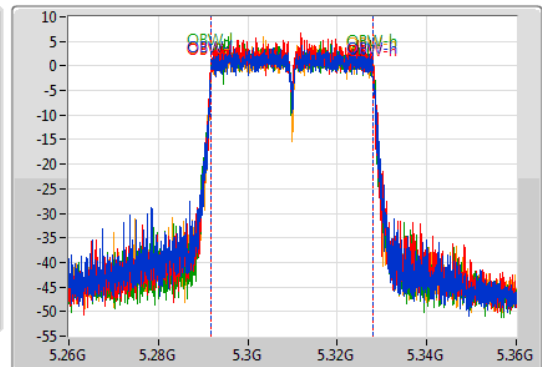
5310MHz

11/04/2019

CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.28975G	5.33G	36.182M	5.291859G	5.328041G	Inf	1
39.85M	5.29005G	5.3299G	36.232M	5.291809G	5.328041G	Inf	2
40.1M	5.2899G	5.33G	36.282M	5.291759G	5.328041G	Inf	3
39.65M	5.29015G	5.3298G	36.232M	5.291809G	5.328041G	Inf	4

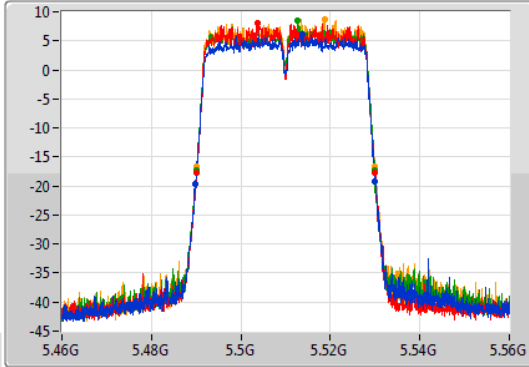
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

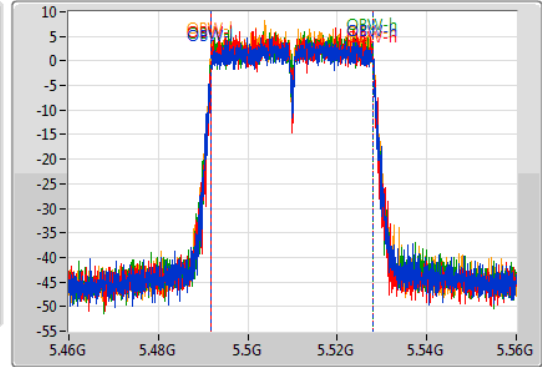
5510MHz

11/04/2019

CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.25M	5.4898G	5.53005G	36.232M	5.491859G	5.528091G	Inf	1
40M	5.49005G	5.53005G	36.232M	5.491809G	5.528041G	Inf	2
40M	5.49G	5.53G	36.282M	5.491759G	5.528041G	Inf	3
39.75M	5.4902G	5.52995G	36.282M	5.491759G	5.528041G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

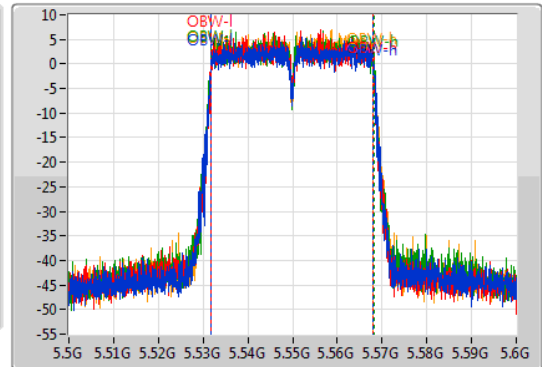
5550MHz

11/04/2019

CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

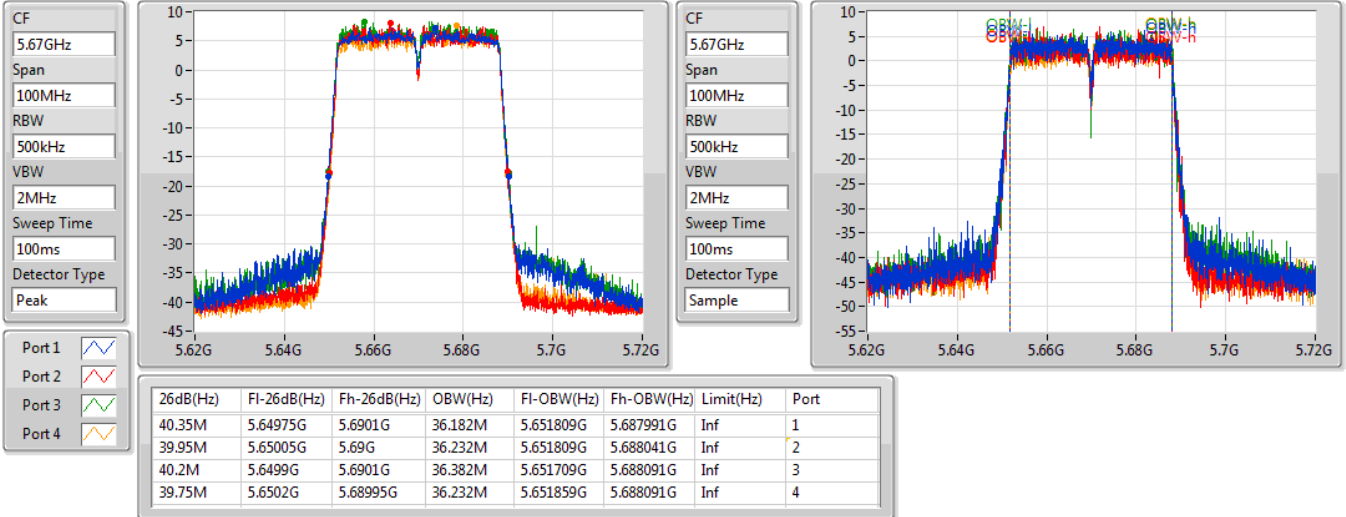
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.3M	5.5298G	5.5701G	36.282M	5.531809G	5.568091G	Inf	1
39.8M	5.53015G	5.56995G	36.282M	5.531809G	5.568091G	Inf	2
40.1M	5.53G	5.5701G	36.332M	5.531809G	5.568141G	Inf	3
39.85M	5.53015G	5.57G	36.182M	5.531859G	5.568041G	Inf	4

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

11/04/2019

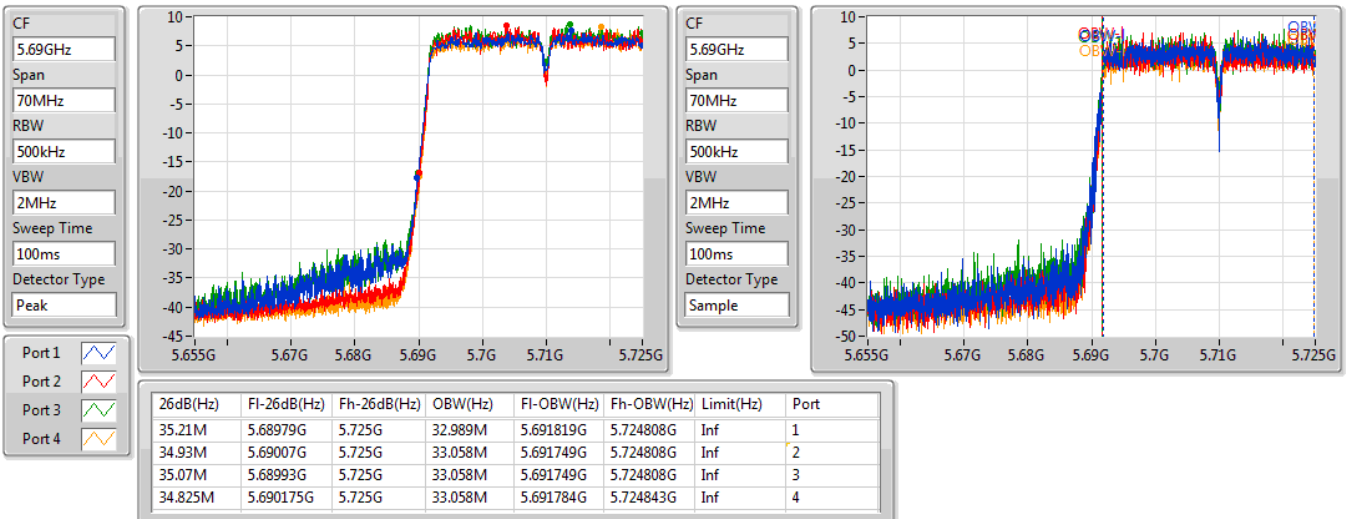


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

11/04/2019

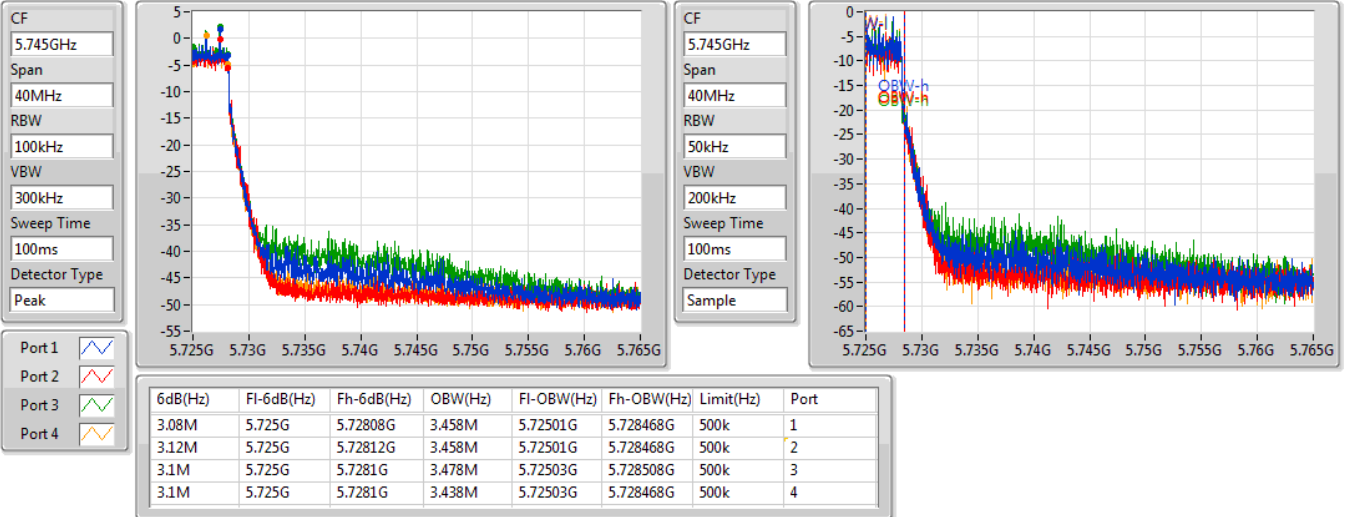


802.11ac VHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

11/04/2019

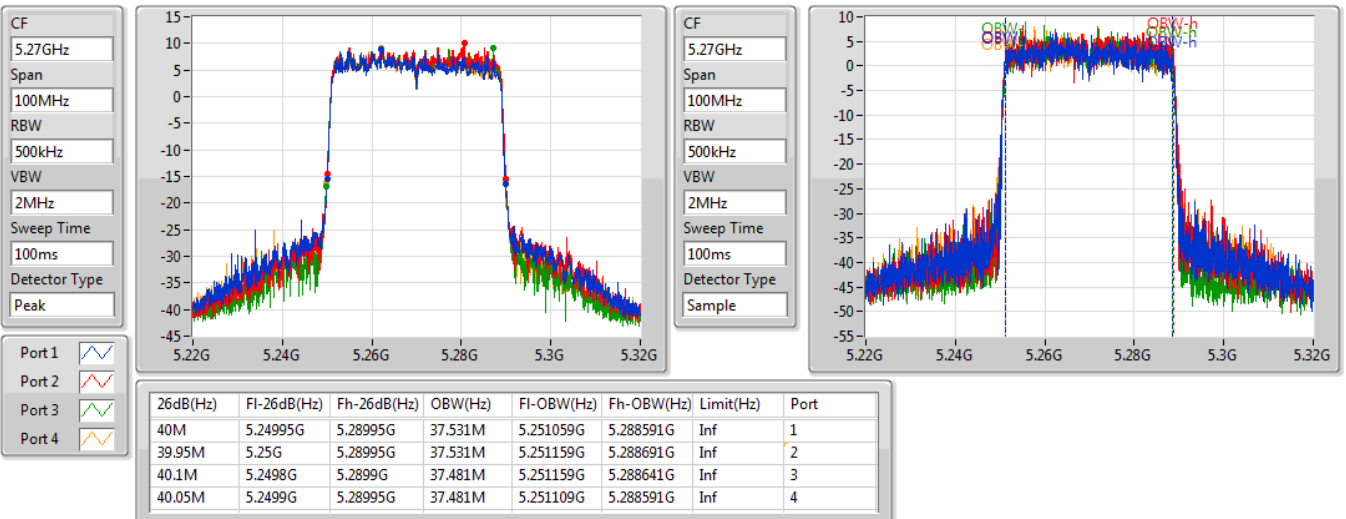


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

11/04/2019



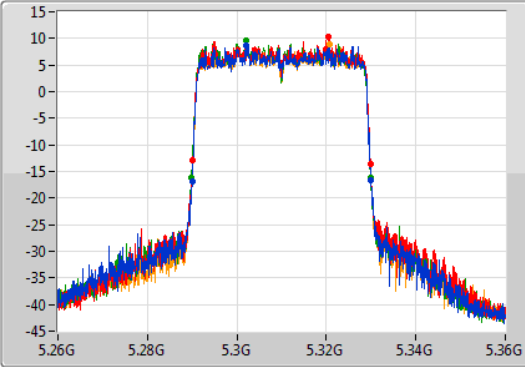
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

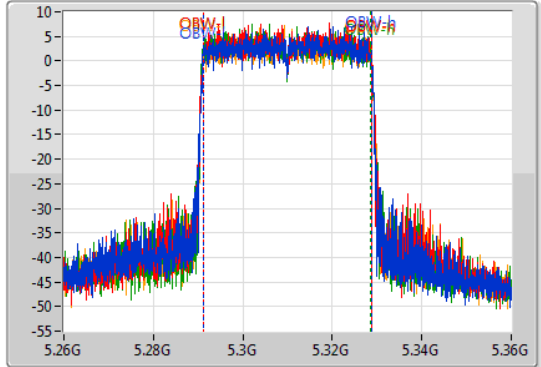
5310MHz

11/04/2019

CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.05M	5.29G	5.33005G	37.581M	5.291109G	5.328691G	Inf	1
39.8M	5.29005G	5.32985G	37.581M	5.291109G	5.328691G	Inf	2
40.05M	5.28985G	5.3299G	37.581M	5.291059G	5.328641G	Inf	3
40.1M	5.2899G	5.33G	37.531M	5.291159G	5.328691G	Inf	4

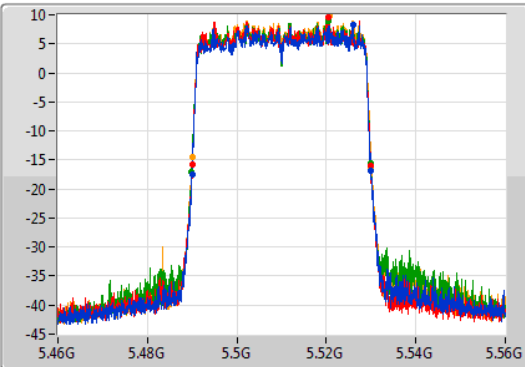
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

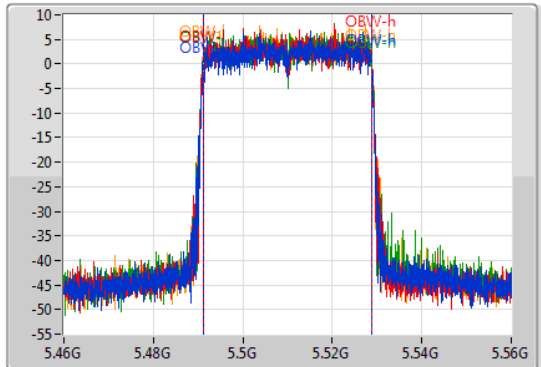
5510MHz

10/04/2019

CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.48995G	5.53005G	37.481M	5.491209G	5.528691G	Inf	1
39.9M	5.49005G	5.52995G	37.531M	5.491159G	5.528691G	Inf	2
40.05M	5.48985G	5.5299G	37.581M	5.491109G	5.528691G	Inf	3
40.1M	5.48995G	5.53005G	37.531M	5.491159G	5.528691G	Inf	4

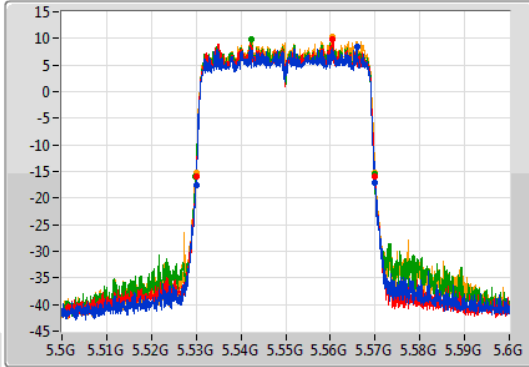
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

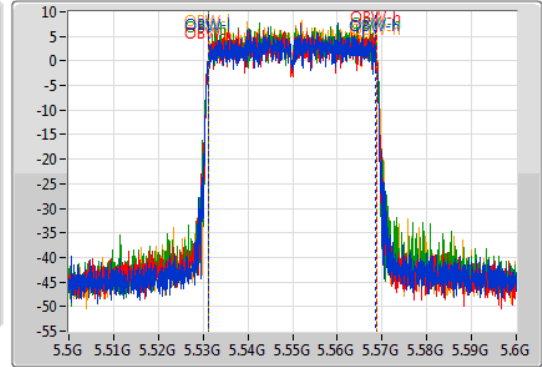
5550MHz

10/04/2019

CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.1M	5.52995G	5.57005G	37.481M	5.531159G	5.568641G	Inf	1
39.9M	5.53005G	5.56995G	37.581M	5.531159G	5.568741G	Inf	2
40M	5.52985G	5.56985G	37.531M	5.531159G	5.568691G	Inf	3
40.1M	5.52995G	5.57005G	37.531M	5.531209G	5.568741G	Inf	4

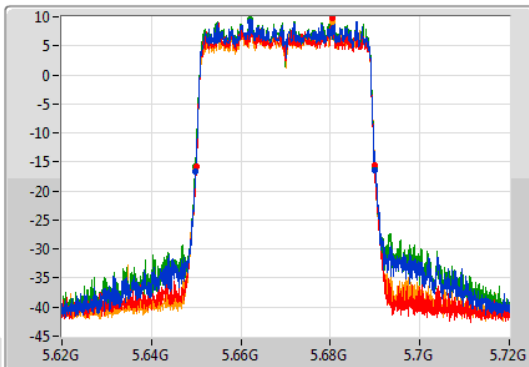
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

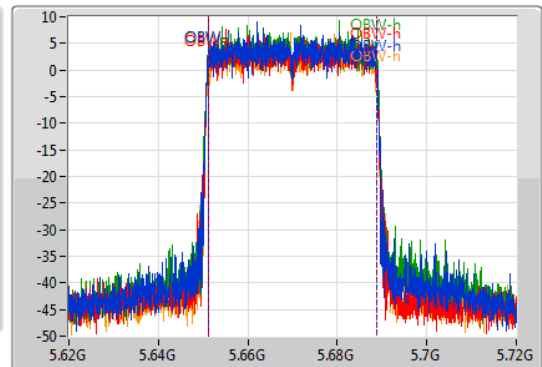
5670MHz

10/04/2019

CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

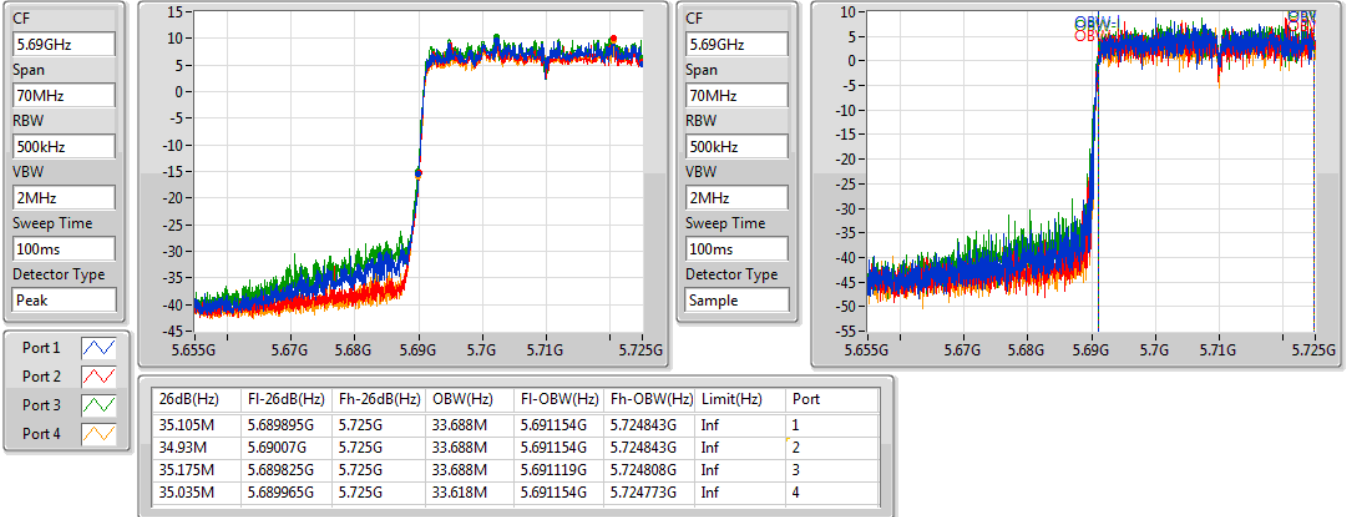
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.6499G	5.69005G	37.581M	5.651109G	5.688691G	Inf	1
39.9M	5.65005G	5.68995G	37.581M	5.651109G	5.688691G	Inf	2
40.1M	5.64985G	5.68995G	37.631M	5.651059G	5.688691G	Inf	3
40.15M	5.64985G	5.69G	37.481M	5.651209G	5.688691G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

10/04/2019

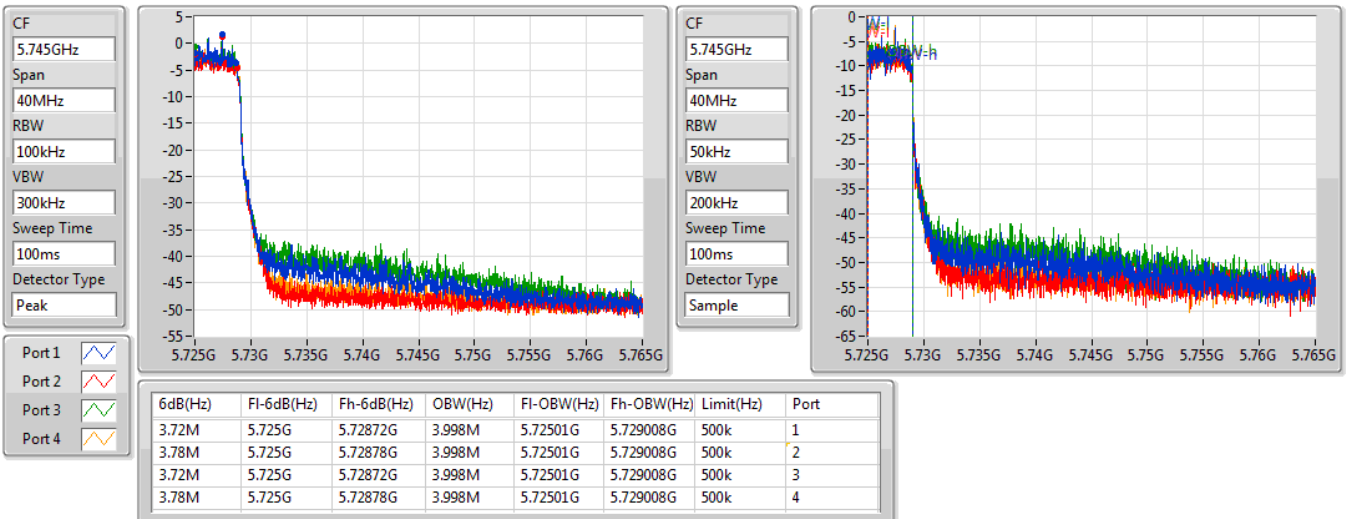


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

10/04/2019



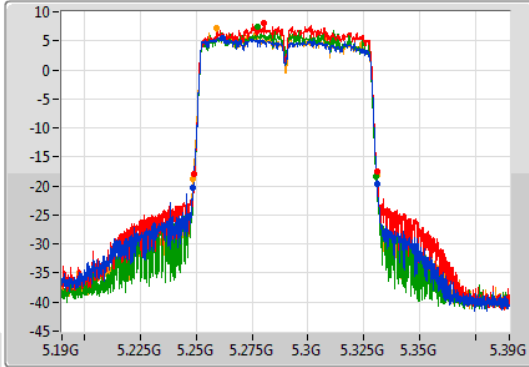
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

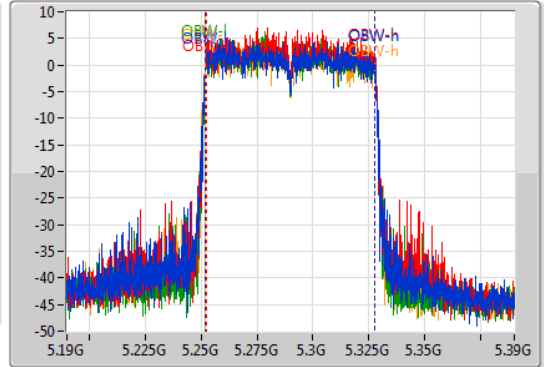
5290MHz

11/04/2019

CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.2487G	5.3309G	75.862M	5.251919G	5.327781G	Inf	1
81.4M	5.2493G	5.3307G	75.562M	5.252119G	5.327681G	Inf	2
81.3M	5.2493G	5.3306G	75.562M	5.252019G	5.327581G	Inf	3
82M	5.2487G	5.3307G	75.862M	5.251819G	5.327681G	Inf	4

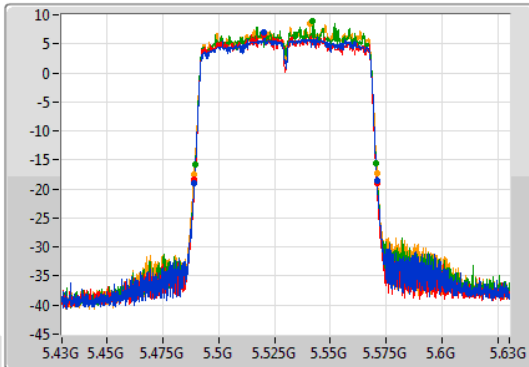
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

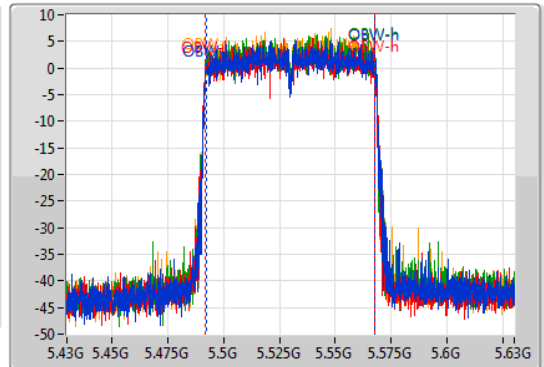
5530MHz

11/04/2019

CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.7M	5.4892G	5.5709G	75.762M	5.492119G	5.567881G	Inf	1
81.6M	5.4891G	5.5707G	75.762M	5.492019G	5.567781G	Inf	2
80.9M	5.4896G	5.5705G	75.662M	5.492119G	5.567781G	Inf	3
81.8M	5.4891G	5.5709G	75.662M	5.492219G	5.567881G	Inf	4

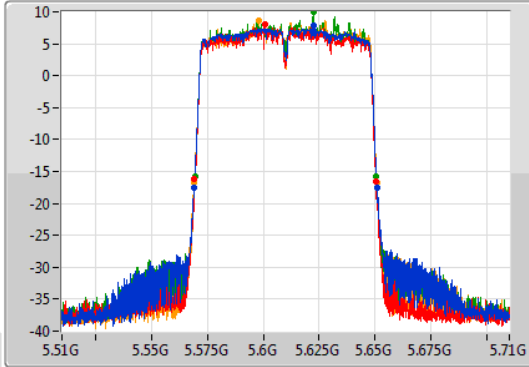
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

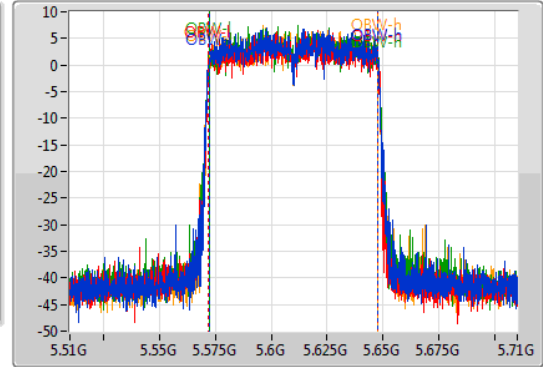
5610MHz

11/04/2019

CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82M	5.569G	5.651G	75.562M	5.572119G	5.647681G	Inf	1
81.3M	5.5692G	5.6505G	75.762M	5.572019G	5.647781G	Inf	2
80.9M	5.5696G	5.6505G	75.662M	5.572119G	5.647781G	Inf	3
81.8M	5.5691G	5.6509G	75.662M	5.572119G	5.647781G	Inf	4

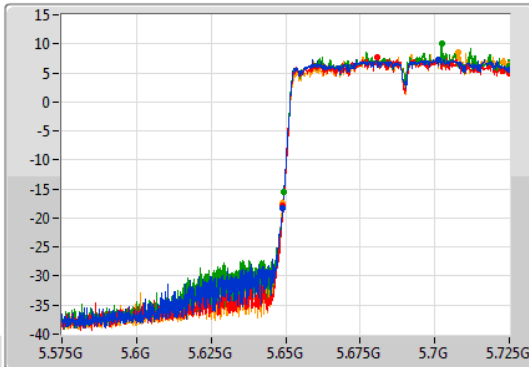
802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

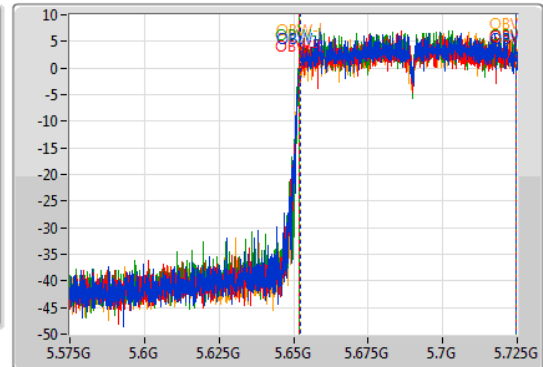
5690MHz Straddle 5.47-5.725GHz

11/04/2019

CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

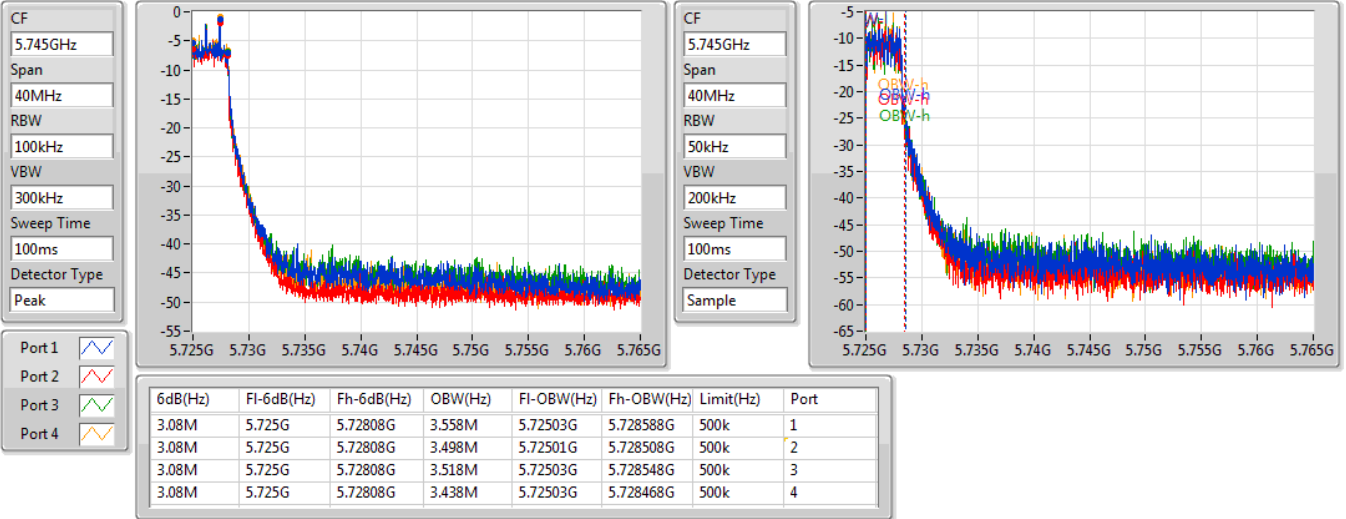
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.05M	5.64895G	5.725G	72.339M	5.652099G	5.724438G	Inf	1
75.975M	5.649025G	5.725G	72.564M	5.651949G	5.724513G	Inf	2
75.525M	5.649475G	5.725G	72.489M	5.652024G	5.724513G	Inf	3
75.9M	5.6491G	5.725G	72.414M	5.652174G	5.724588G	Inf	4

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

11/04/2019

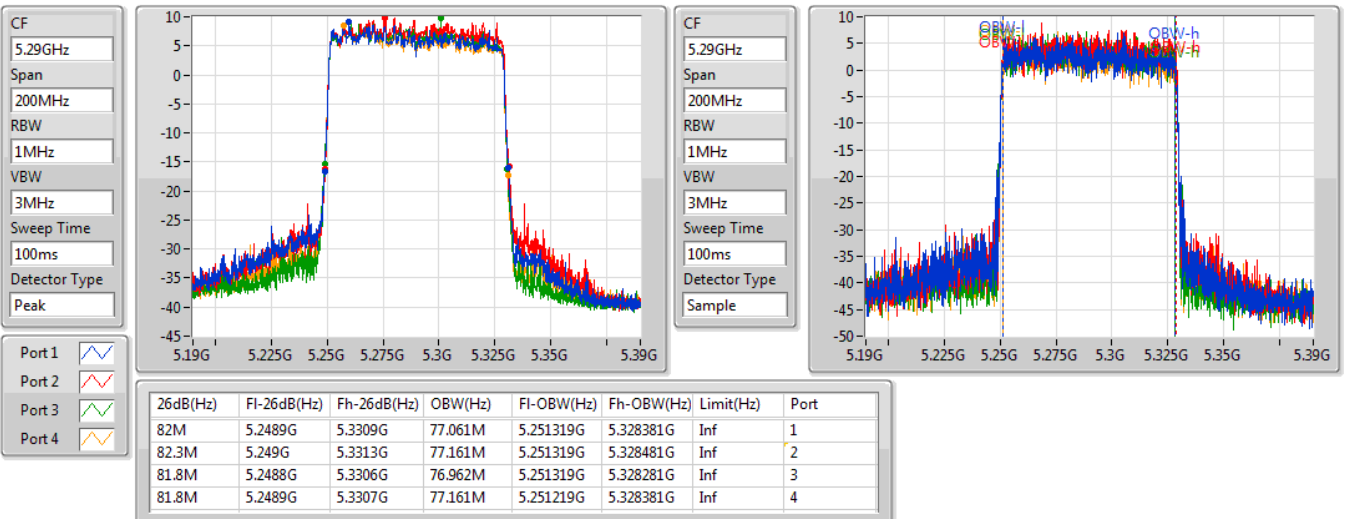


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

11/04/2019



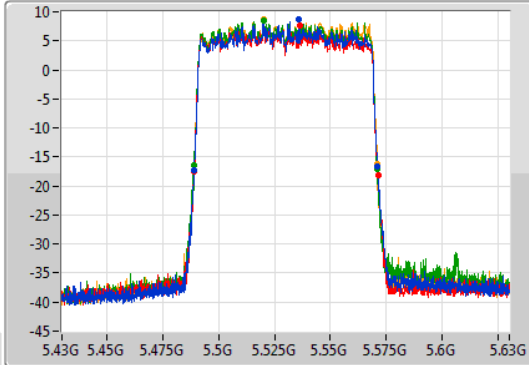
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

11/04/2019

CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.9M	5.4892G	5.5711G	76.862M	5.491519G	5.568381G	Inf	1
82.3M	5.489G	5.5713G	77.161M	5.491319G	5.568481G	Inf	2
81.9M	5.4889G	5.5708G	77.061M	5.491419G	5.568481G	Inf	3
81.9M	5.4891G	5.571G	76.962M	5.491519G	5.568481G	Inf	4

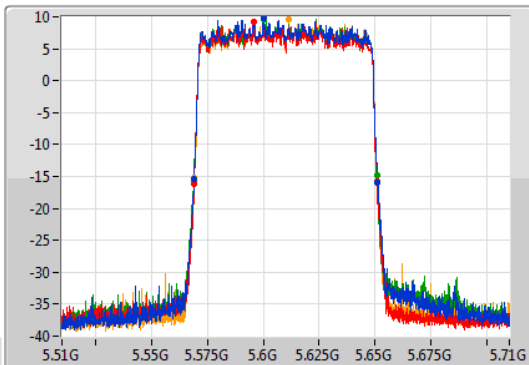
802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

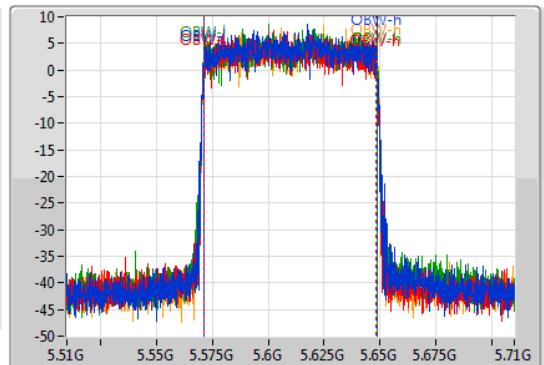
5610MHz

11/04/2019

CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

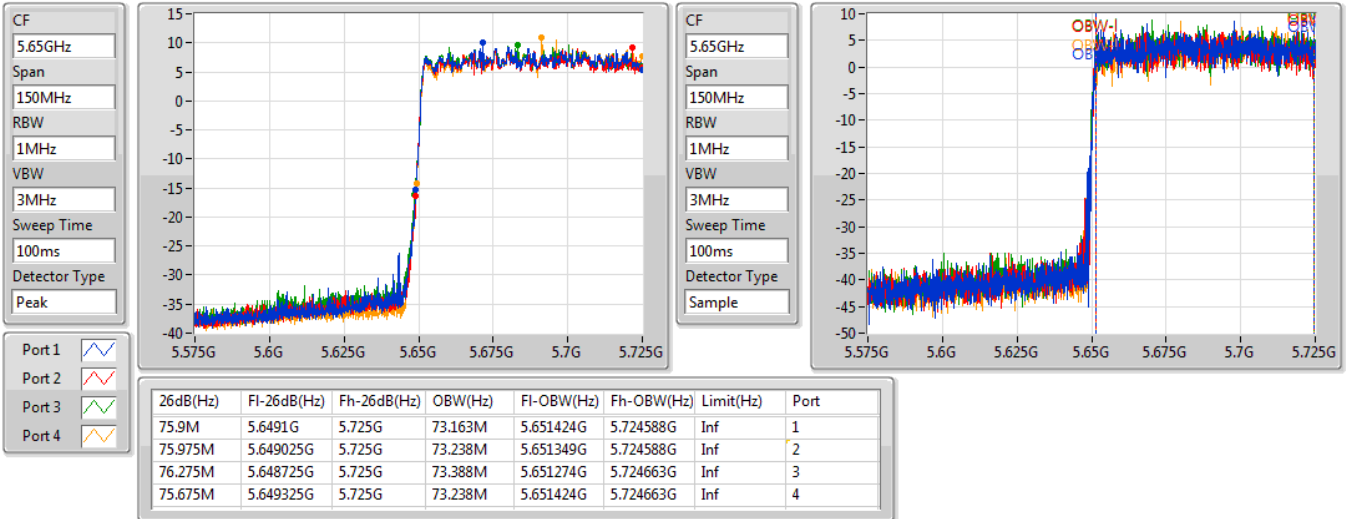
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.1M	5.5691G	5.6512G	77.161M	5.571419G	5.648581G	Inf	1
82M	5.5691G	5.6511G	77.061M	5.571319G	5.648381G	Inf	2
81.9M	5.5688G	5.6507G	76.962M	5.571519G	5.648481G	Inf	3
81.9M	5.5692G	5.6511G	77.061M	5.571419G	5.648481G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

11/04/2019

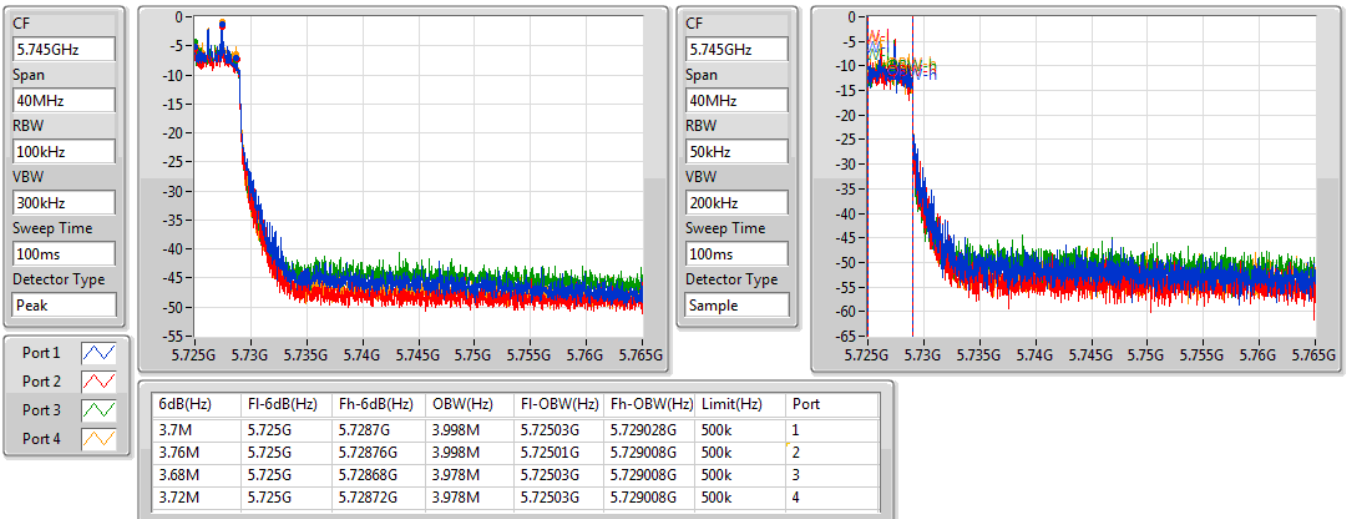


802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

11/04/2019

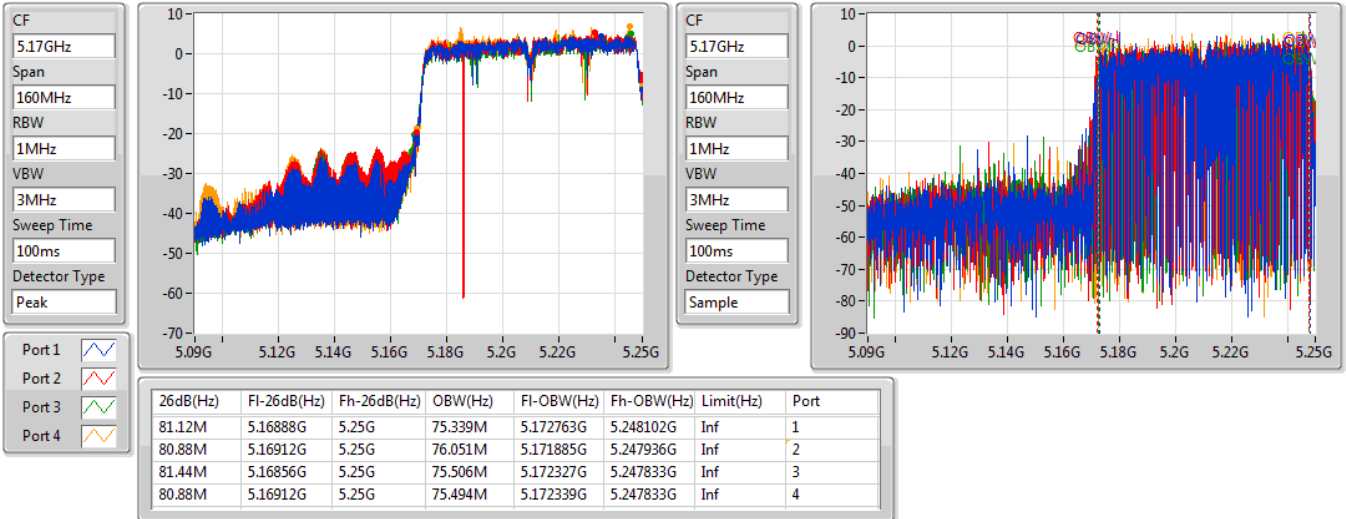


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

15/07/2019

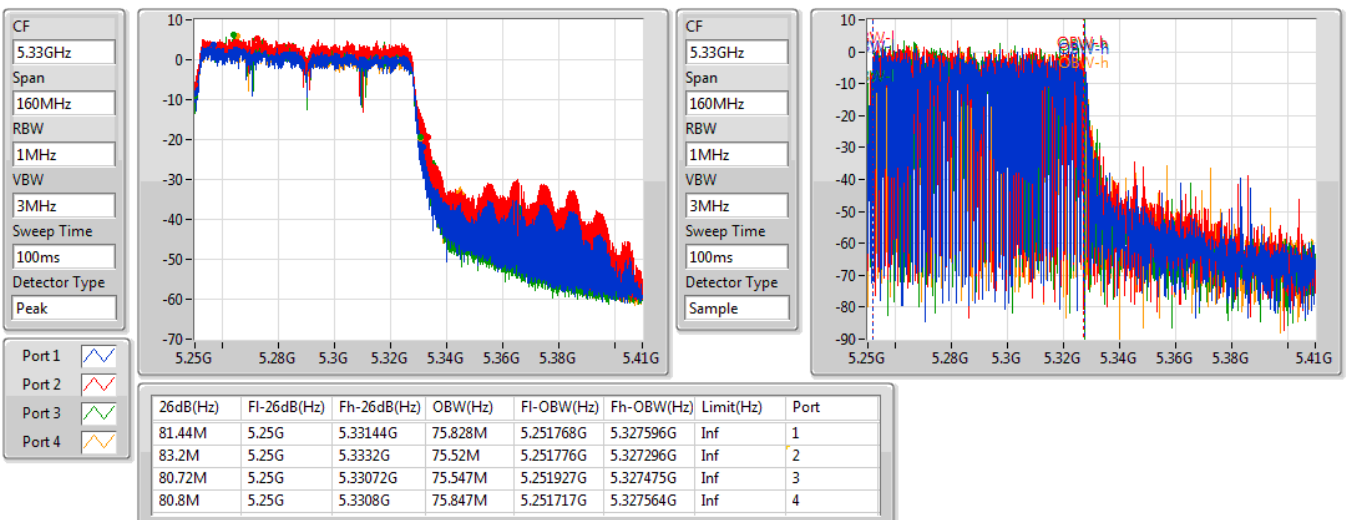


802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

15/07/2019



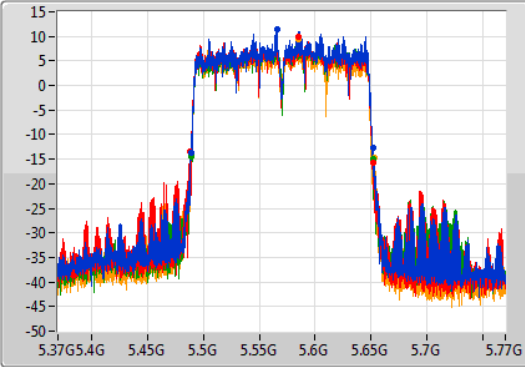
802.11ac VHT160-BF_Nss1,(MCS0)_4TX

EBW

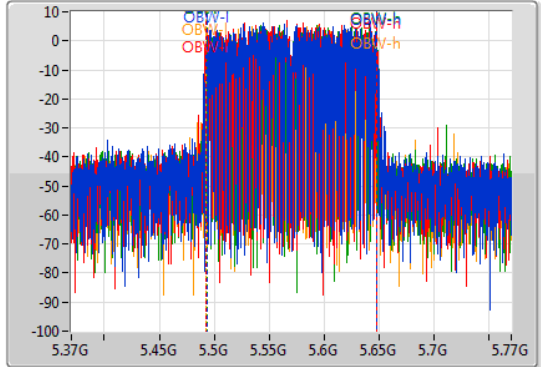
5570MHz

15/07/2019

CF
5.57GHz
Span
400MHz
RBW
2MHz
VBW
8MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
400MHz
RBW
2MHz
VBW
8MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163M	5.4888G	5.6518G	154.005M	5.493194G	5.6472G	Inf	1
164.2M	5.4878G	5.652G	154.515M	5.492865G	5.64738G	Inf	2
163.4M	5.4888G	5.6522G	154.267M	5.493371G	5.647638G	Inf	3
164M	5.4888G	5.6528G	154.876M	5.492785G	5.647662G	Inf	4

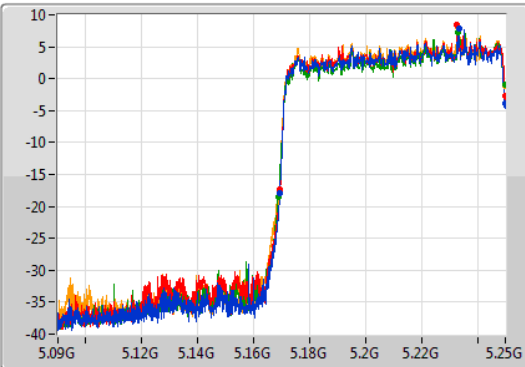
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

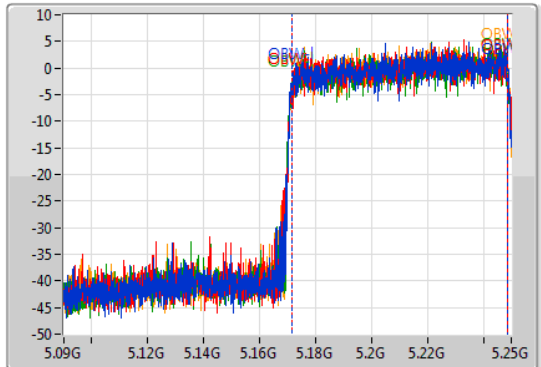
5250MHz Straddle 5.15-5.25GHz

11/04/2019

CF
5.17GHz
Span
160MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.17GHz
Span
160MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

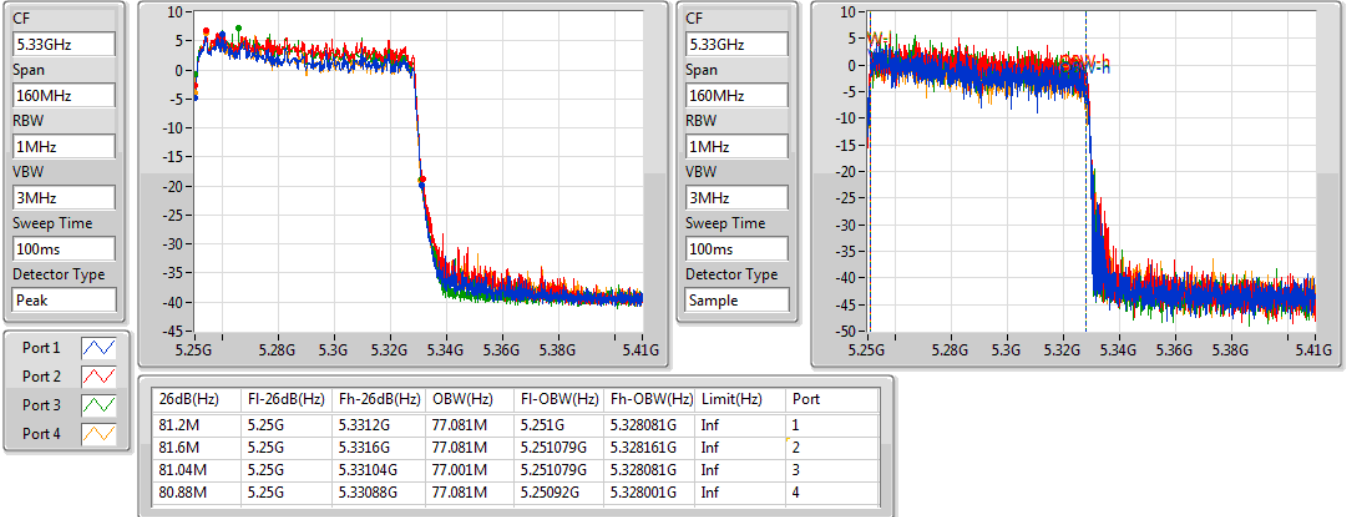
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.56M	5.16944G	5.25G	77.001M	5.171679G	5.248681G	Inf	1
80.48M	5.16952G	5.25G	77.081M	5.171759G	5.248841G	Inf	2
81.28M	5.16872G	5.25G	77.001M	5.171679G	5.248681G	Inf	3
80.88M	5.16912G	5.25G	77.081M	5.171679G	5.248761G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

11/04/2019

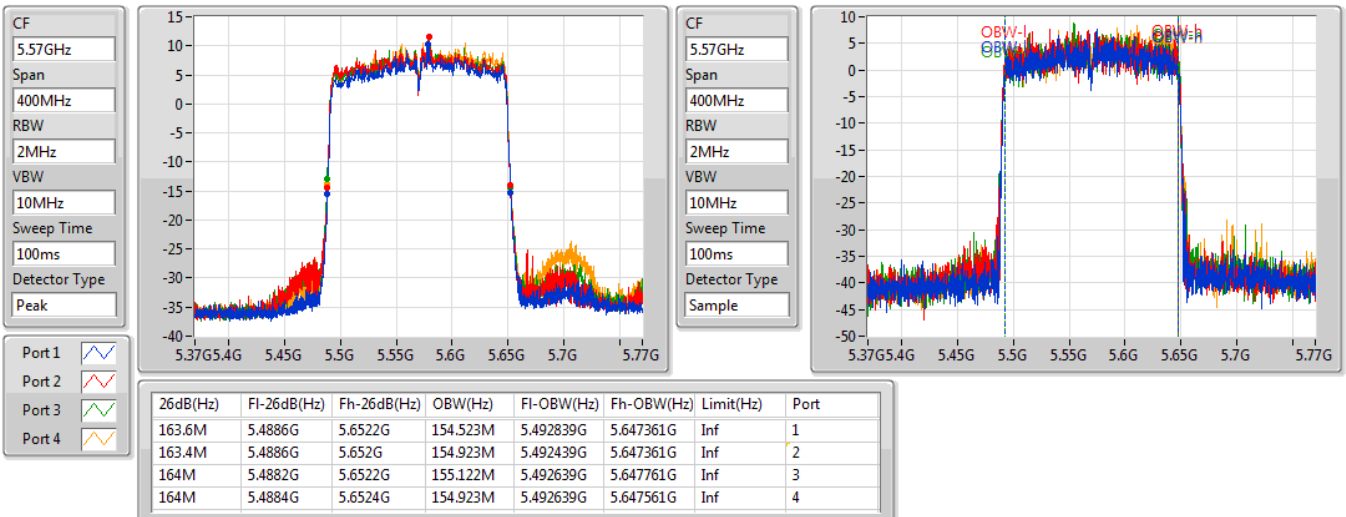


802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

11/04/2019





Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	18.09	0.06442
802.11ax HEW160_Nss1,(MCS0)_4TX	18.88	0.07727
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	19.15	0.08222
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.67	0.09268
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.52	0.22491
802.11ac VHT20_Nss1,(MCS0)_4TX	23.43	0.22029
802.11ax HEW20_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ac VHT40_Nss1,(MCS0)_4TX	23.57	0.22751
802.11ax HEW40_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ac VHT80_Nss1,(MCS0)_4TX	23.01	0.19999
802.11ax HEW80_Nss1,(MCS0)_4TX	23.45	0.22131
802.11ac VHT160_Nss1,(MCS0)_4TX	17.57	0.05715
802.11ax HEW160_Nss1,(MCS0)_4TX	18.11	0.06471
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	22.39	0.17338
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.66	0.18450
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	22.30	0.16982
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.61	0.18239
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	22.21	0.16634
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.67	0.18493
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	18.71	0.07430
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.97	0.07889
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.70	0.23442
802.11ac VHT20_Nss1,(MCS0)_4TX	23.53	0.22542
802.11ax HEW20_Nss1,(MCS0)_4TX	23.79	0.23933
802.11ac VHT40_Nss1,(MCS0)_4TX	23.71	0.23496
802.11ax HEW40_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ac VHT80_Nss1,(MCS0)_4TX	23.63	0.23067
802.11ax HEW80_Nss1,(MCS0)_4TX	23.83	0.24155
802.11ac VHT160_Nss1,(MCS0)_4TX	22.52	0.17865
802.11ax HEW160_Nss1,(MCS0)_4TX	22.74	0.18793
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	22.73	0.18750
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.80	0.19055
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	22.62	0.18281
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.80	0.19055
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	22.75	0.18836
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.93	0.19634
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	22.39	0.17338
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.48	0.17701
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.80	0.03802
802.11ac VHT20_Nss1,(MCS0)_4TX	16.63	0.04603



Average Power

Appendix C

Mode	Total Power (dBm)	Total Power (W)
802.11ax HEW20_Nss1,(MCS0)_4TX	17.19	0.05236
802.11ac VHT40_Nss1,(MCS0)_4TX	13.28	0.02128
802.11ax HEW40_Nss1,(MCS0)_4TX	14.11	0.02576
802.11ac VHT80_Nss1,(MCS0)_4TX	9.32	0.00855
802.11ax HEW80_Nss1,(MCS0)_4TX	10.32	0.01076
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	15.86	0.03855
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.48	0.04446
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	11.96	0.01570
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.80	0.01905
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	8.67	0.00736
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	9.41	0.00873



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_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.48	17.02	17.77	17.46	17.66	23.51	23.98
5300MHz	Pass	2.48	17.02	17.97	17.51	17.43	23.52	23.98
5320MHz	Pass	2.48	16.74	17.73	17.37	17.34	23.33	23.98
5500MHz	Pass	1.60	17.08	17.41	17.56	18.46	23.68	23.98
5580MHz	Pass	1.60	17.12	17.30	17.22	18.82	23.70	23.98
5700MHz	Pass	1.60	16.75	16.70	17.22	18.01	23.22	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	1.60	15.38	15.48	15.70	16.66	21.86	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	1.60	9.30	9.23	9.71	10.72	15.80	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.48	16.74	17.54	17.46	17.81	23.43	23.98
5300MHz	Pass	2.48	16.80	17.80	17.52	17.25	23.38	23.98
5320MHz	Pass	2.48	16.69	17.78	17.29	17.35	23.32	23.98
5500MHz	Pass	1.60	16.77	17.34	17.41	18.35	23.53	23.98
5580MHz	Pass	1.60	16.93	17.14	17.02	18.60	23.50	23.98
5700MHz	Pass	1.60	13.21	12.85	13.13	14.52	19.50	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	1.60	15.51	15.91	16.22	17.14	22.26	22.98
5720MHz Straddle 5.725-5.85GHz	Pass	1.60	9.95	10.13	10.63	11.55	16.63	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	2.48	17.28	18.03	18.00	17.96	23.85	23.98
5300MHz	Pass	2.48	17.45	18.35	17.88	17.82	23.91	23.98
5320MHz	Pass	2.48	17.52	17.82	17.74	17.37	23.64	23.98
5500MHz	Pass	1.60	17.12	17.45	17.72	18.64	23.79	23.98
5580MHz	Pass	1.60	17.17	17.32	17.62	18.67	23.76	23.98
5700MHz	Pass	1.60	13.23	13.09	13.28	14.47	19.58	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	1.60	15.81	16.16	16.51	17.42	22.54	22.96
5720MHz Straddle 5.725-5.85GHz	Pass	1.60	10.49	10.69	11.18	12.13	17.19	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	2.48	17.14	18.00	17.58	17.45	23.57	23.98
5310MHz	Pass	2.48	17.31	17.84	17.68	17.30	23.56	23.98
5510MHz	Pass	1.60	17.06	17.32	17.67	17.71	23.47	23.98
5550MHz	Pass	1.60	17.11	17.45	17.78	18.03	23.63	23.98
5670MHz	Pass	1.60	18.14	17.30	18.27	16.89	23.71	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	1.60	17.83	17.41	18.45	16.93	23.71	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	1.60	7.41	6.86	7.85	6.85	13.28	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	2.48	17.49	18.26	17.90	17.56	23.83	23.98
5310MHz	Pass	2.48	17.78	18.20	17.95	17.61	23.91	23.98
5510MHz	Pass	1.60	17.01	17.43	17.66	17.75	23.49	23.98
5550MHz	Pass	1.60	17.18	17.58	17.97	18.30	23.80	23.98
5670MHz	Pass	1.60	18.06	17.39	18.59	17.03	23.83	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	1.60	17.93	17.77	18.69	17.20	23.95	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	1.60	8.16	7.69	8.77	7.62	14.11	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-



Average Power

Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5290MHz	Pass	2.48	16.52	17.79	17.02	16.50	23.01	23.98
5530MHz	Pass	1.60	17.01	16.85	17.97	18.39	23.62	23.98
5610MHz	Pass	1.60	17.78	17.32	17.89	17.42	23.63	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	1.60	17.47	17.27	17.80	17.14	23.45	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	1.60	3.39	2.85	3.33	3.59	9.32	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	2.48	17.05	18.28	17.36	16.88	23.45	23.98
5530MHz	Pass	1.60	17.28	17.06	18.22	18.45	23.81	23.98
5610MHz	Pass	1.60	17.96	17.63	18.08	17.56	23.83	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	1.60	17.77	17.71	18.20	17.47	23.82	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	1.60	4.33	3.88	4.33	4.63	10.32	30.00
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.48	11.93	12.41	11.62	12.28	18.09	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.48	10.60	12.67	11.85	10.75	17.57	23.98
5570MHz	Pass	1.60	15.88	16.54	16.45	17.05	22.52	23.98
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.48	12.67	13.25	12.42	13.06	18.88	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	2.48	11.18	13.09	12.50	11.28	18.11	23.98
5570MHz	Pass	1.60	16.07	16.81	16.75	17.19	22.74	23.98
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	15.83	16.39	16.28	16.71	22.33	22.68
5300MHz	Pass	7.30	15.85	16.85	16.38	16.34	22.39	22.68
5320MHz	Pass	7.30	15.79	16.51	16.24	16.22	22.22	22.68
5500MHz	Pass	7.03	16.29	16.44	16.43	17.55	22.73	22.95
5580MHz	Pass	7.03	16.26	16.15	16.19	17.83	22.69	22.95
5700MHz	Pass	7.03	15.73	15.64	16.10	17.07	22.19	22.95
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	15.20	15.13	15.59	16.54	21.67	21.94
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	9.32	9.42	9.60	10.84	15.86	28.97
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	16.11	16.80	16.80	16.79	22.66	22.68
5300MHz	Pass	7.30	16.16	16.98	16.72	16.60	22.65	22.68
5320MHz	Pass	7.30	16.35	16.69	16.47	16.24	22.46	22.68
5500MHz	Pass	7.03	16.26	16.52	16.57	17.63	22.80	22.95
5580MHz	Pass	7.03	15.93	16.65	16.48	17.74	22.77	22.95
5700MHz	Pass	7.03	15.69	15.87	16.22	17.26	22.32	22.95
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	15.36	15.47	15.72	16.67	21.86	21.93
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	9.91	10.02	10.31	11.43	16.48	28.97
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.30	15.61	16.44	16.25	16.33	22.19	22.68
5310MHz	Pass	7.30	16.03	16.56	16.46	16.05	22.30	22.68
5510MHz	Pass	7.03	15.71	16.21	16.33	16.89	22.33	22.95
5550MHz	Pass	7.03	16.09	16.21	16.63	17.11	22.55	22.95
5670MHz	Pass	7.03	16.92	16.15	17.18	16.03	22.62	22.95
5710MHz Straddle 5.47-5.725GHz	Pass	7.03	16.57	15.92	17.03	15.84	22.39	22.95
5710MHz Straddle 5.725-5.85GHz	Pass	7.03	6.17	5.34	6.49	5.68	11.96	28.97

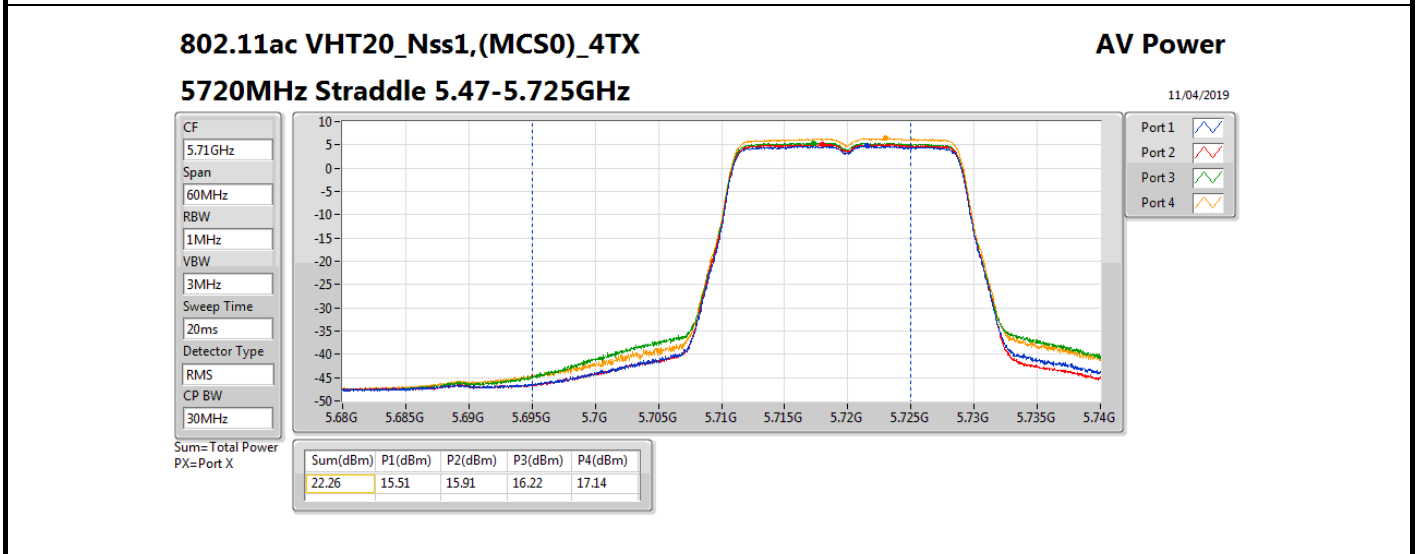
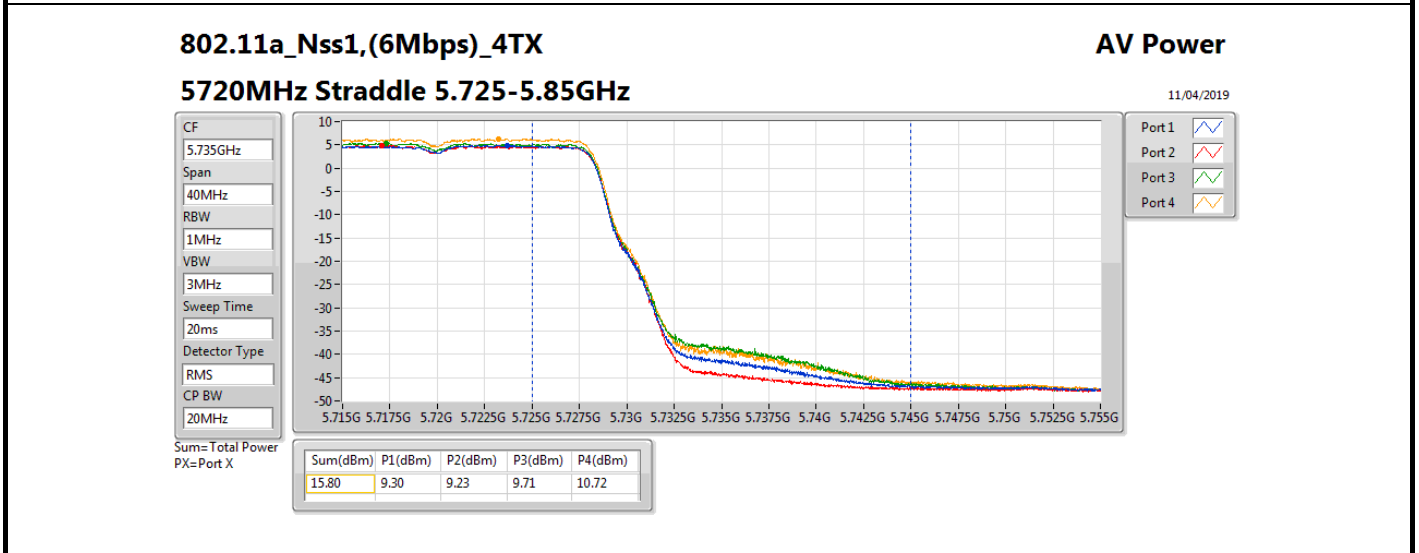
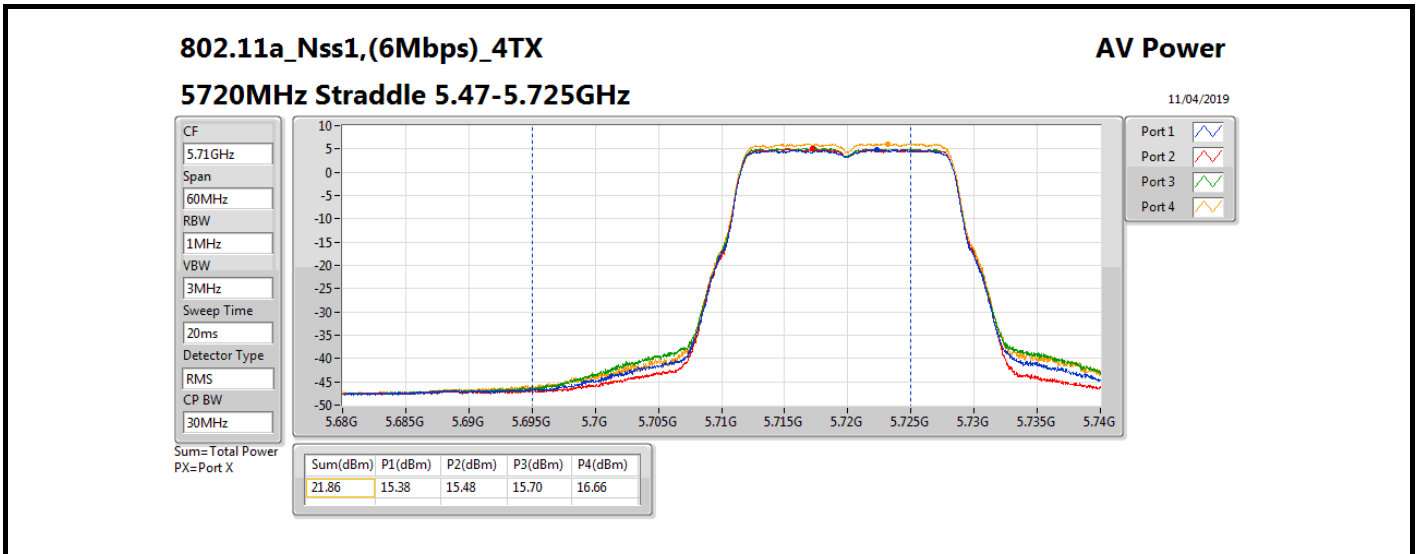


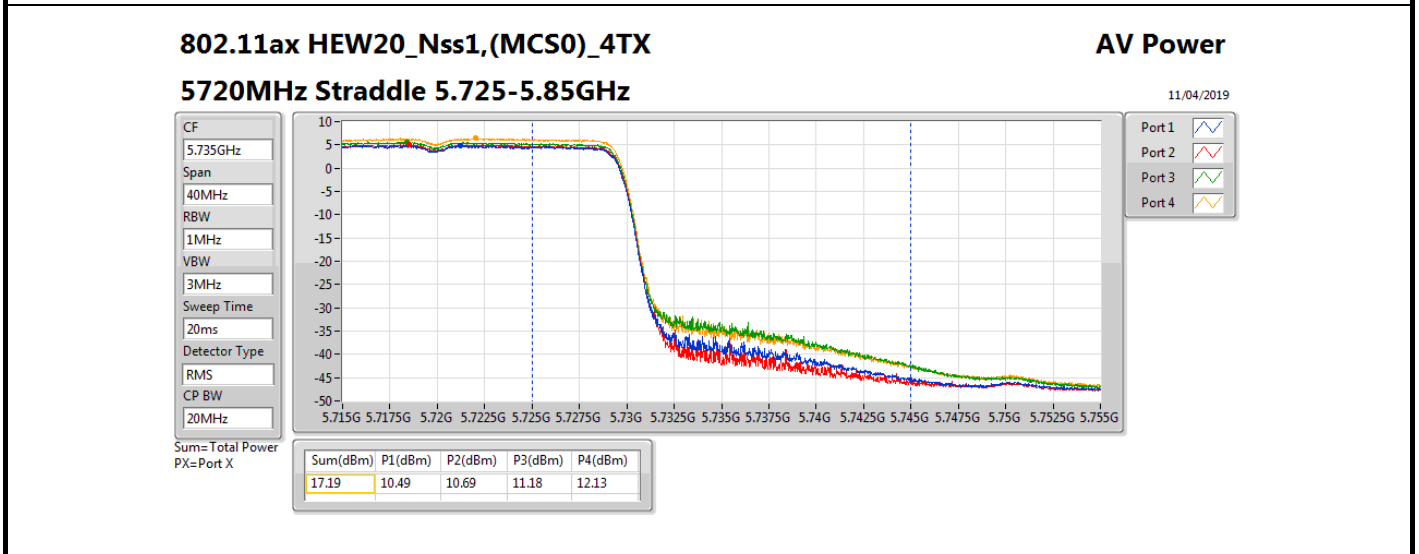
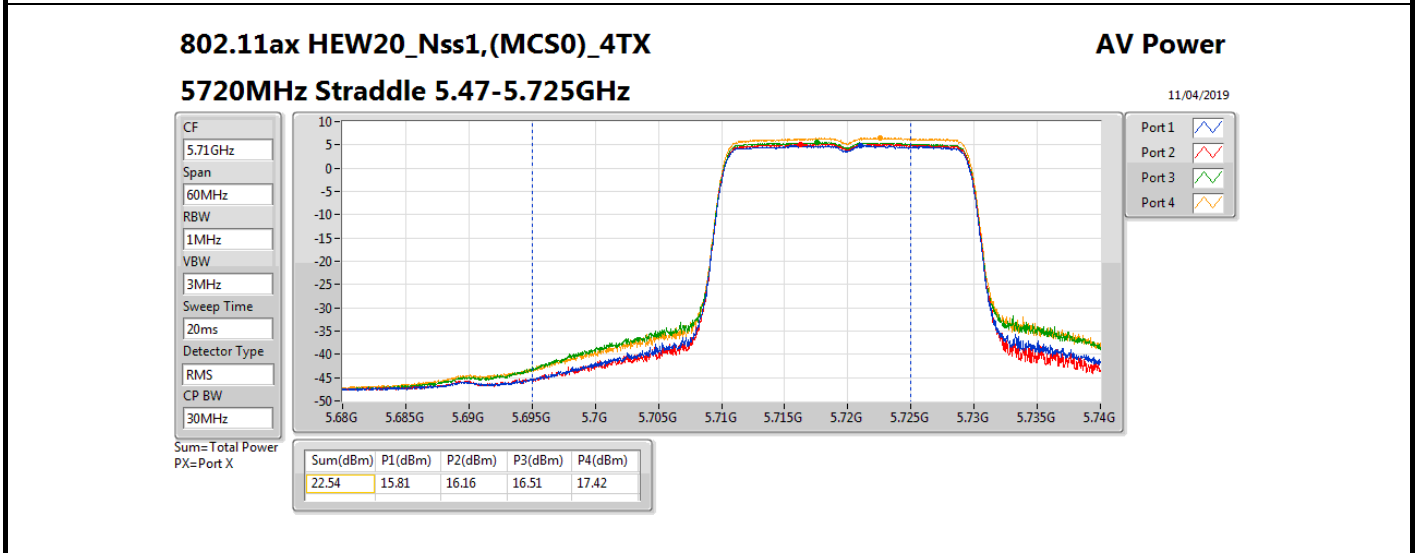
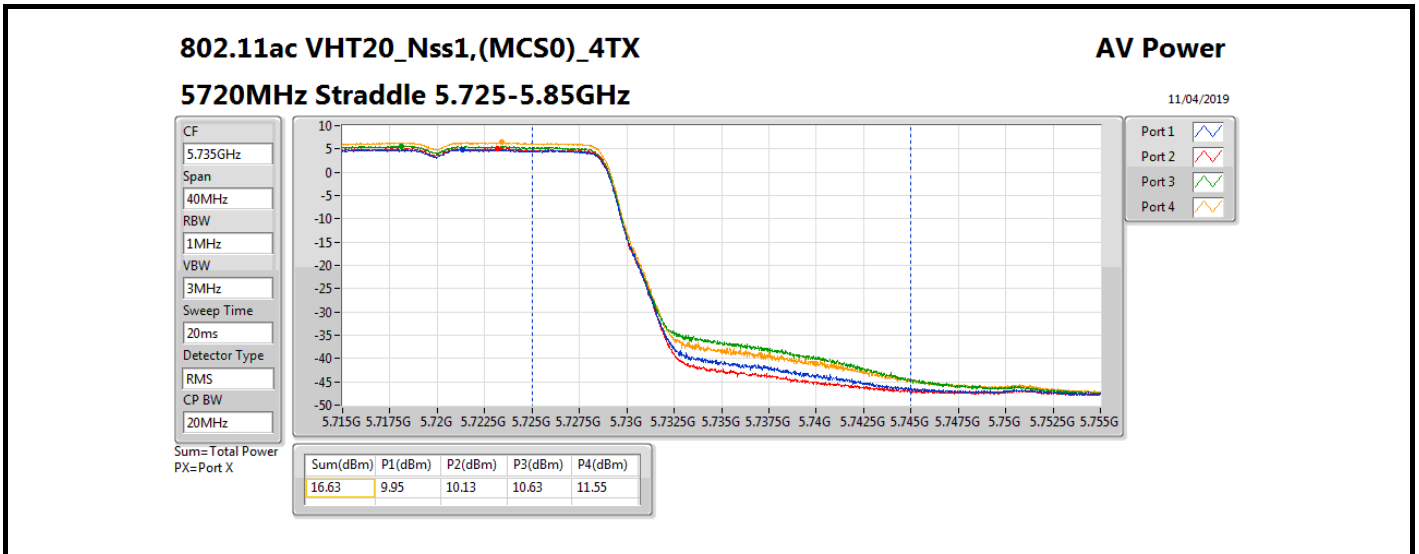
Average Power

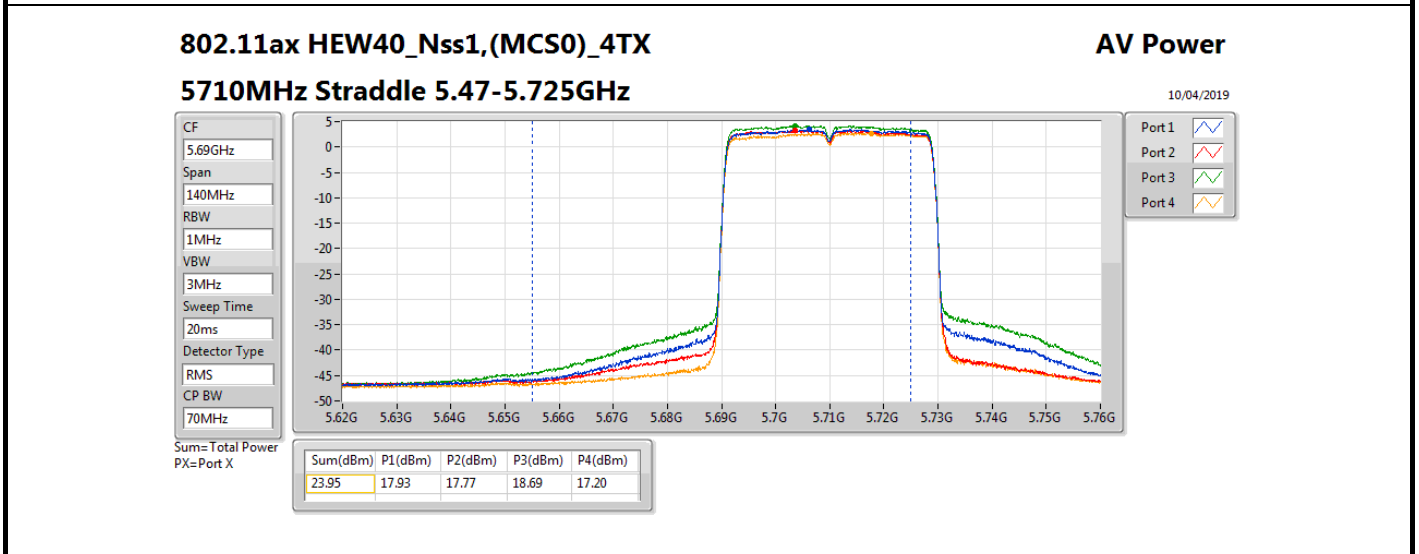
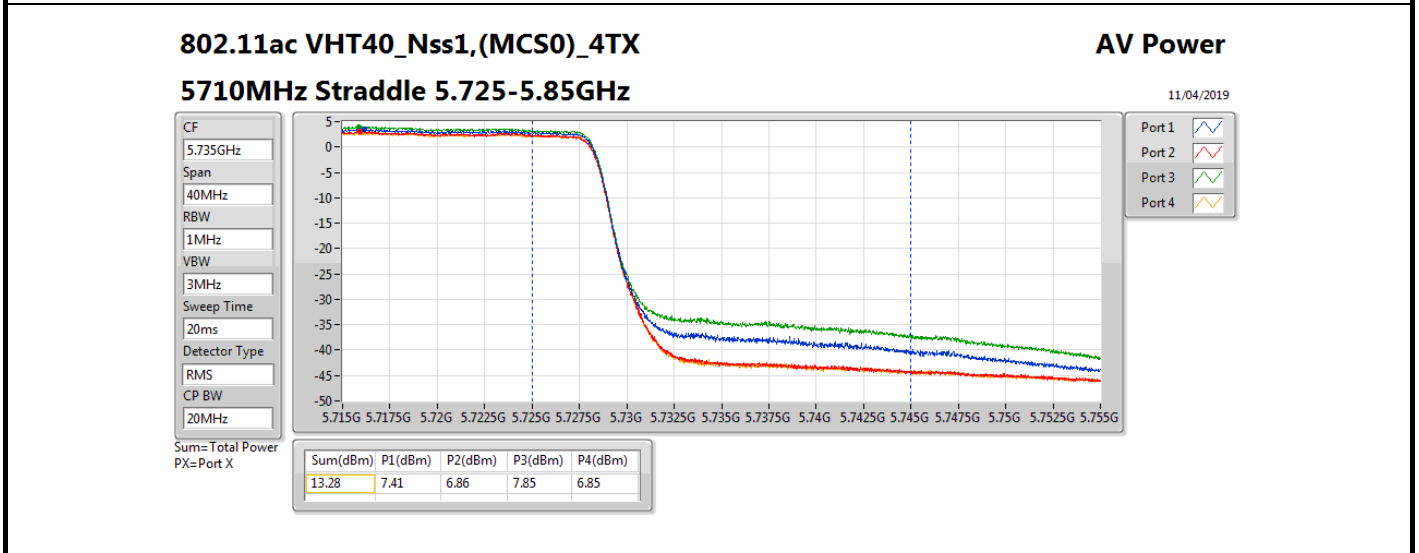
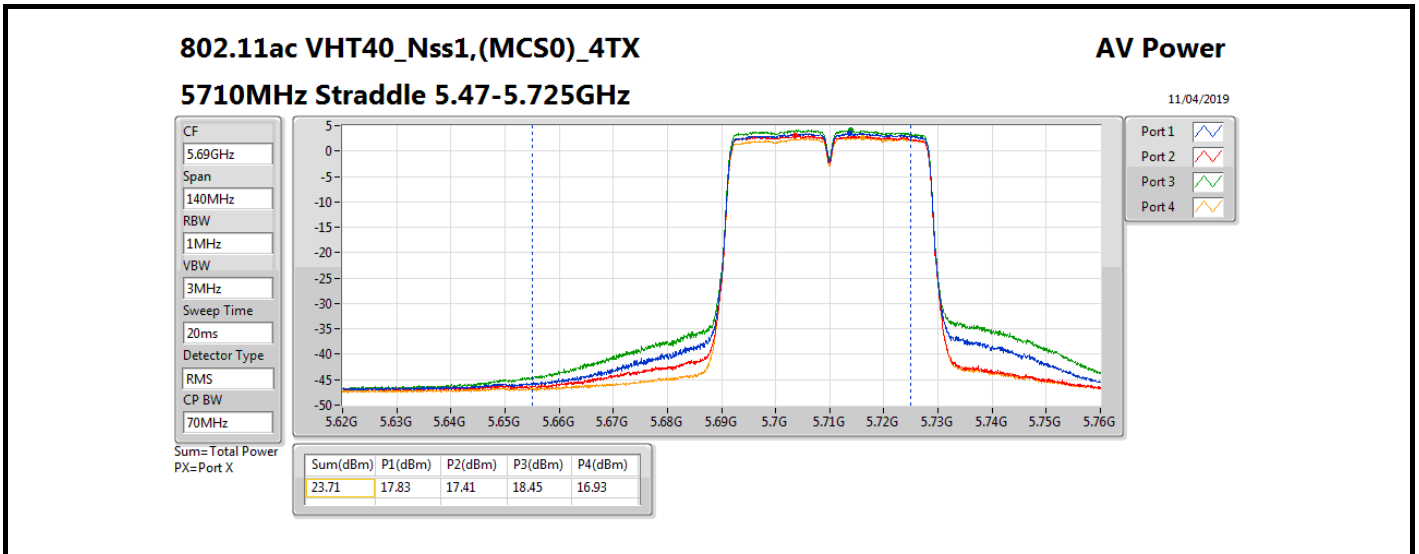
Appendix C

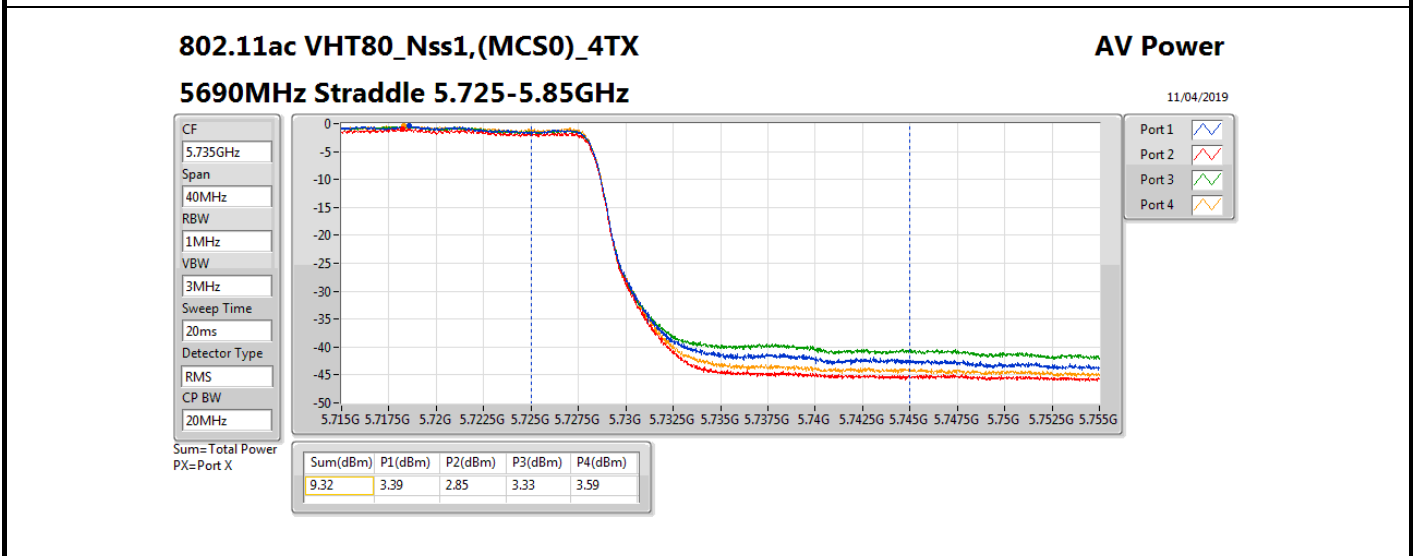
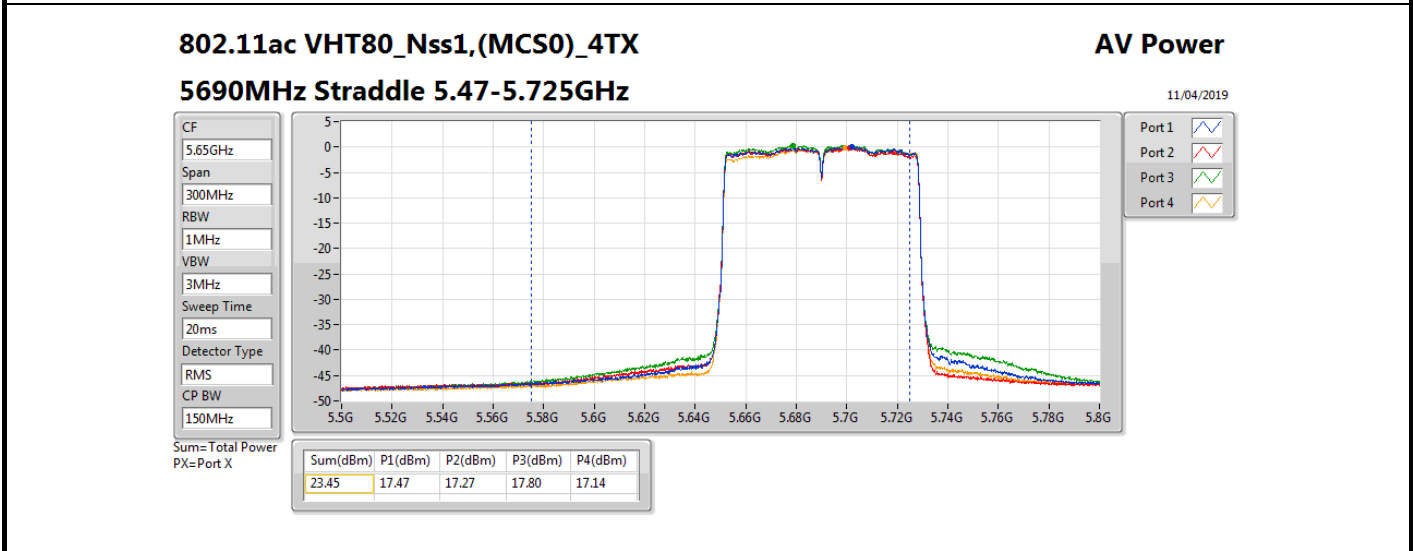
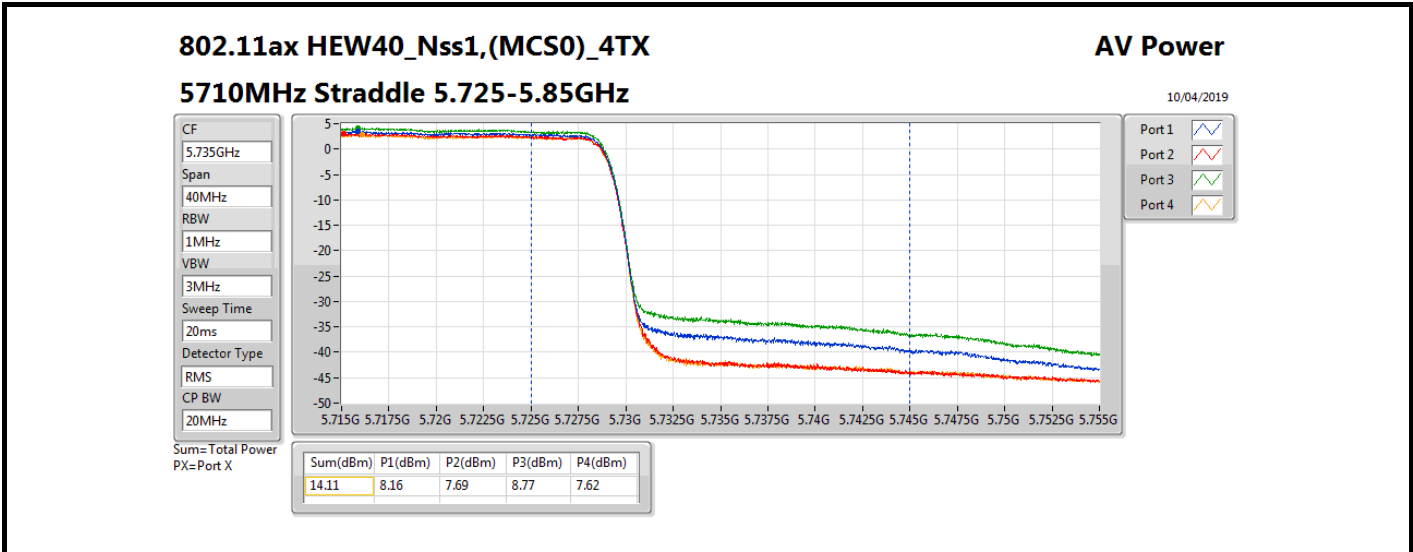
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.30	16.13	16.76	16.61	16.37	22.49	22.68
5310MHz	Pass	7.30	16.32	16.90	16.81	16.28	22.61	22.68
5510MHz	Pass	7.03	15.77	16.35	16.48	16.82	22.39	22.95
5550MHz	Pass	7.03	16.28	16.51	16.82	17.29	22.76	22.95
5670MHz	Pass	7.03	17.11	16.36	17.37	16.18	22.80	22.95
5710MHz Straddle 5.47-5.725GHz	Pass	7.03	16.92	16.41	17.38	16.15	22.76	22.95
5710MHz Straddle 5.725-5.85GHz	Pass	7.03	7.04	6.32	7.26	6.44	12.80	28.97
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.30	15.74	17.05	16.10	15.74	22.21	22.68
5530MHz	Pass	7.03	15.23	14.86	15.94	16.05	21.57	22.95
5610MHz	Pass	7.03	16.91	16.45	16.90	16.62	22.74	22.95
5690MHz Straddle 5.47-5.725GHz	Pass	7.03	16.89	16.42	16.95	16.65	22.75	22.95
5690MHz Straddle 5.725-5.85GHz	Pass	7.03	2.78	2.06	2.58	3.10	8.67	28.97
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.30	16.39	17.47	16.59	16.03	22.67	22.68
5530MHz	Pass	7.03	15.56	15.03	16.30	16.43	21.89	22.95
5610MHz	Pass	7.03	17.15	16.72	16.96	16.71	22.91	22.95
5690MHz Straddle 5.47-5.725GHz	Pass	7.03	17.08	16.60	17.14	16.79	22.93	22.95
5690MHz Straddle 5.725-5.85GHz	Pass	7.03	3.52	2.82	3.33	3.81	9.41	28.97
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.30	12.94	13.32	12.74	13.48	19.15	28.70
5250MHz Straddle 5.25-5.35GHz	Pass	7.30	11.73	13.75	12.98	12.00	18.71	22.68
5570MHz	Pass	7.03	16.02	16.80	16.31	16.32	22.39	22.95
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.30	13.55	13.81	13.29	13.93	19.67	28.70
5250MHz Straddle 5.25-5.35GHz	Pass	7.30	12.16	13.71	13.47	12.21	18.97	22.68
5570MHz	Pass	7.03	15.81	16.57	16.45	16.94	22.48	22.95

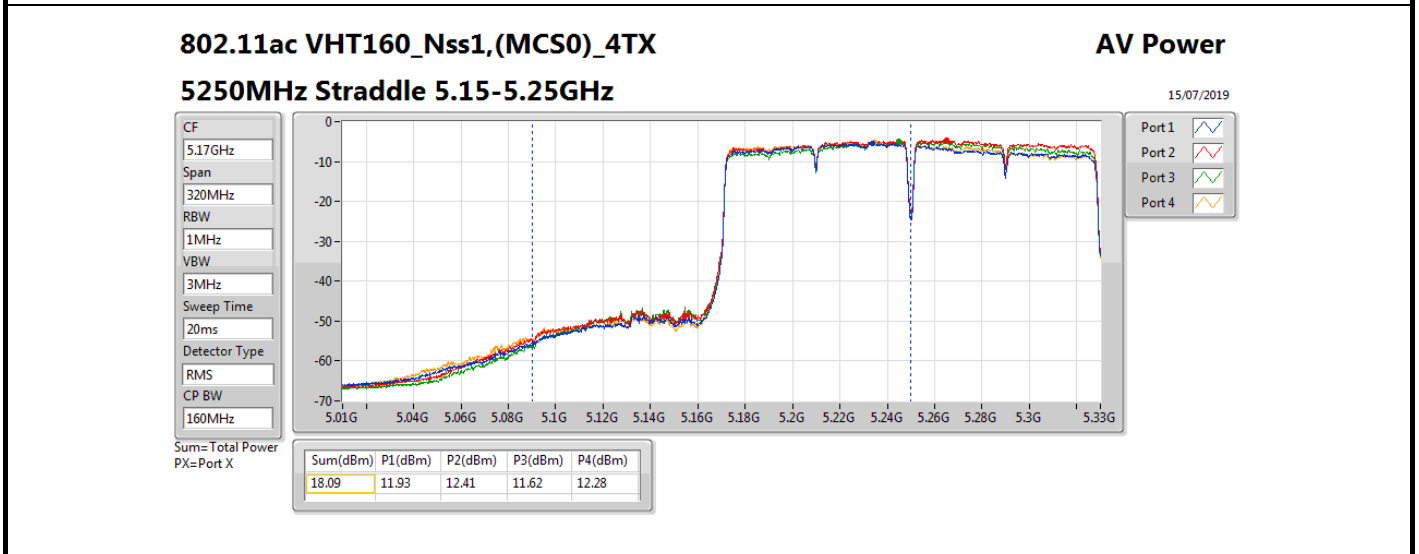
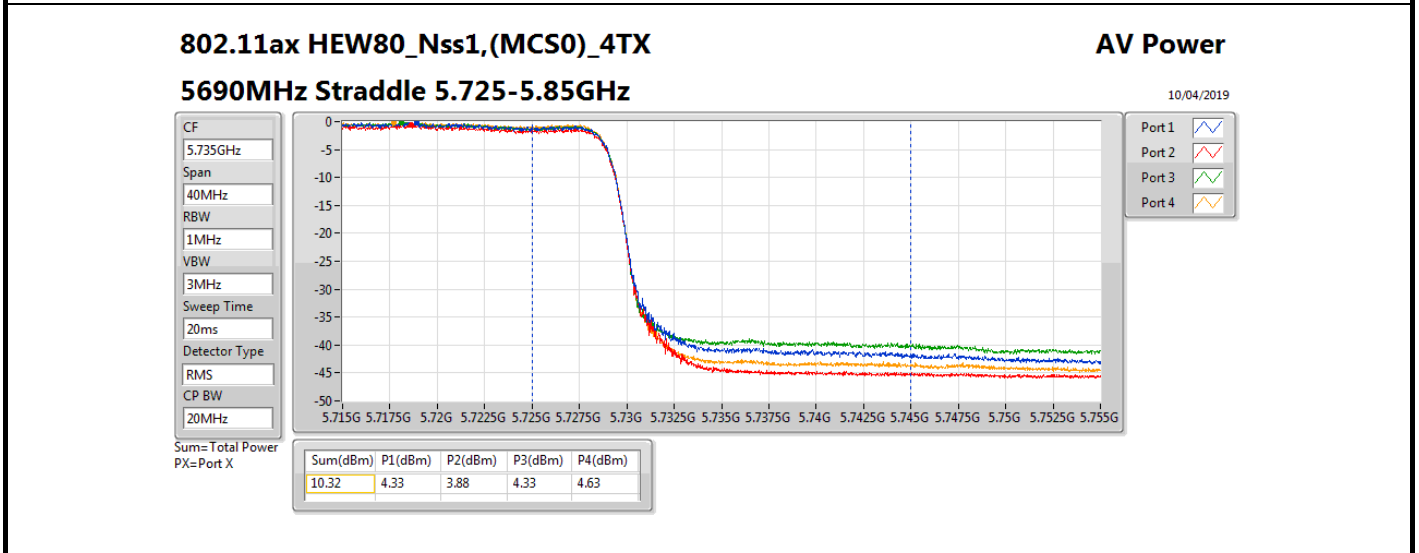
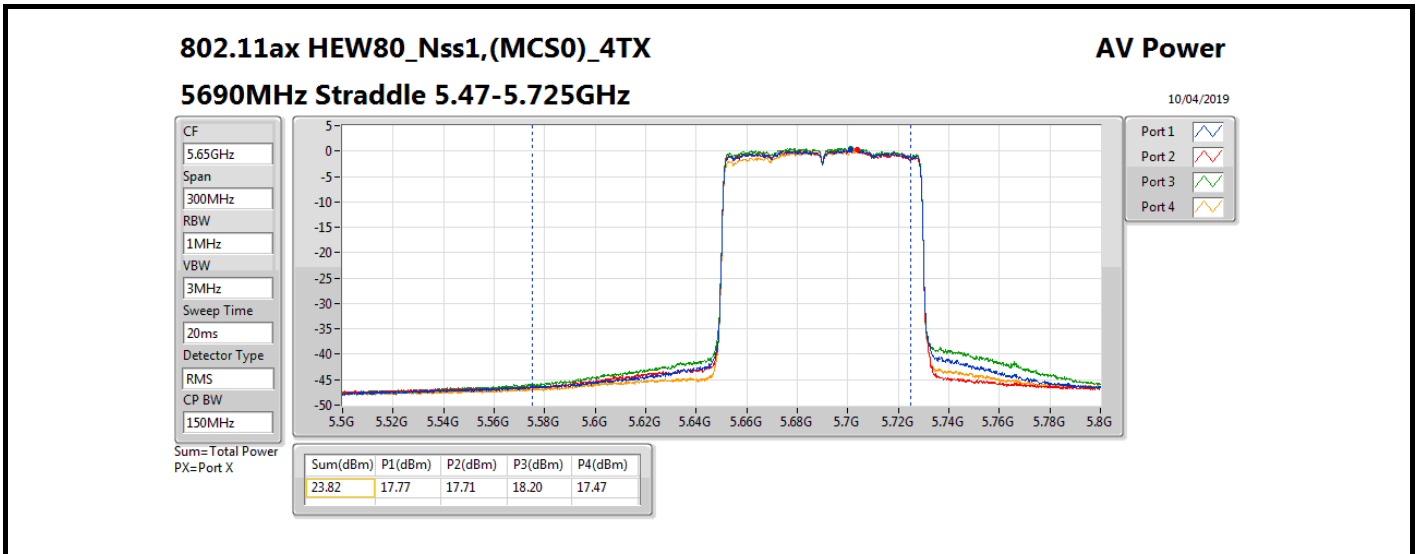
DG = Directional Gain; **Port X** = Port X output power

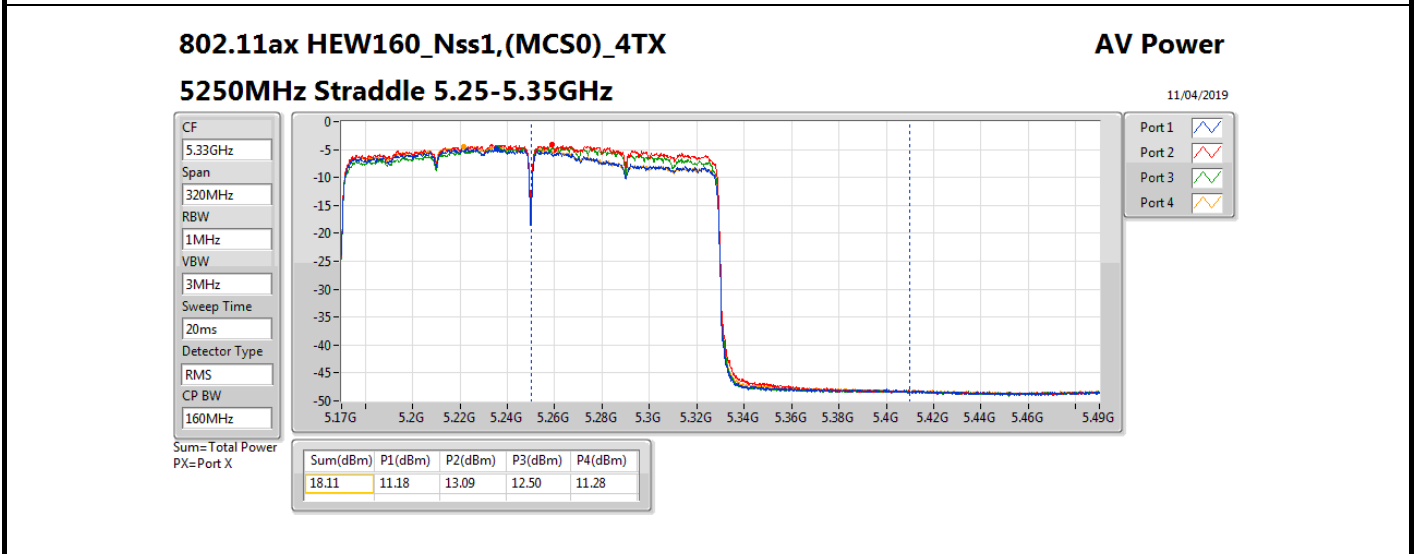
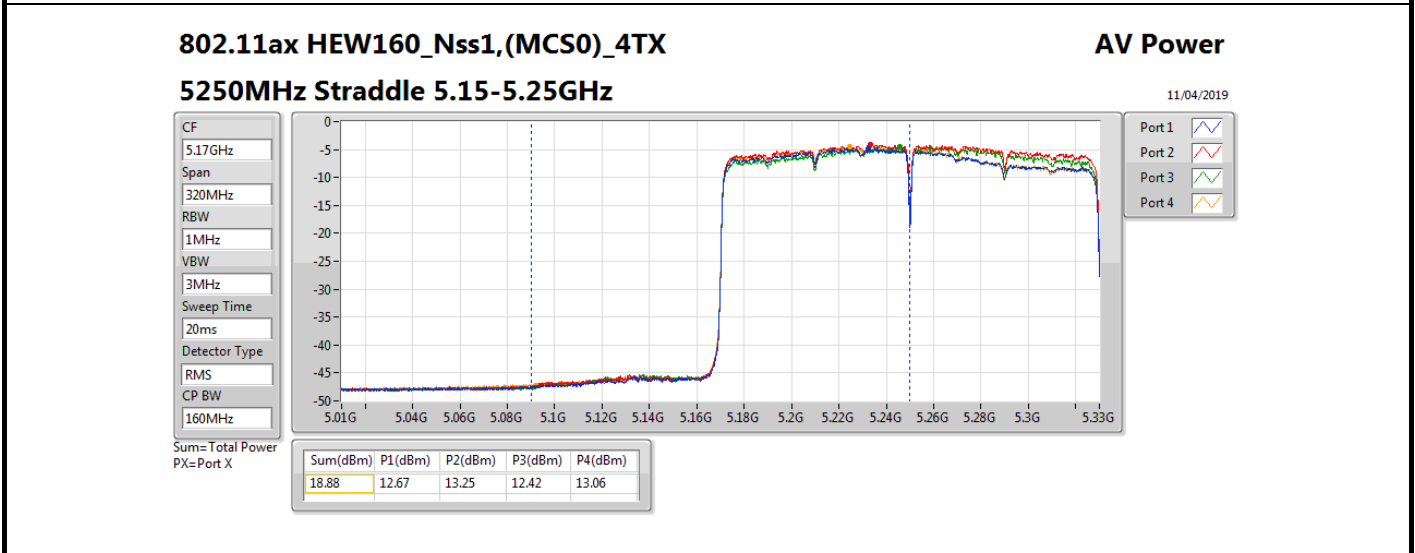
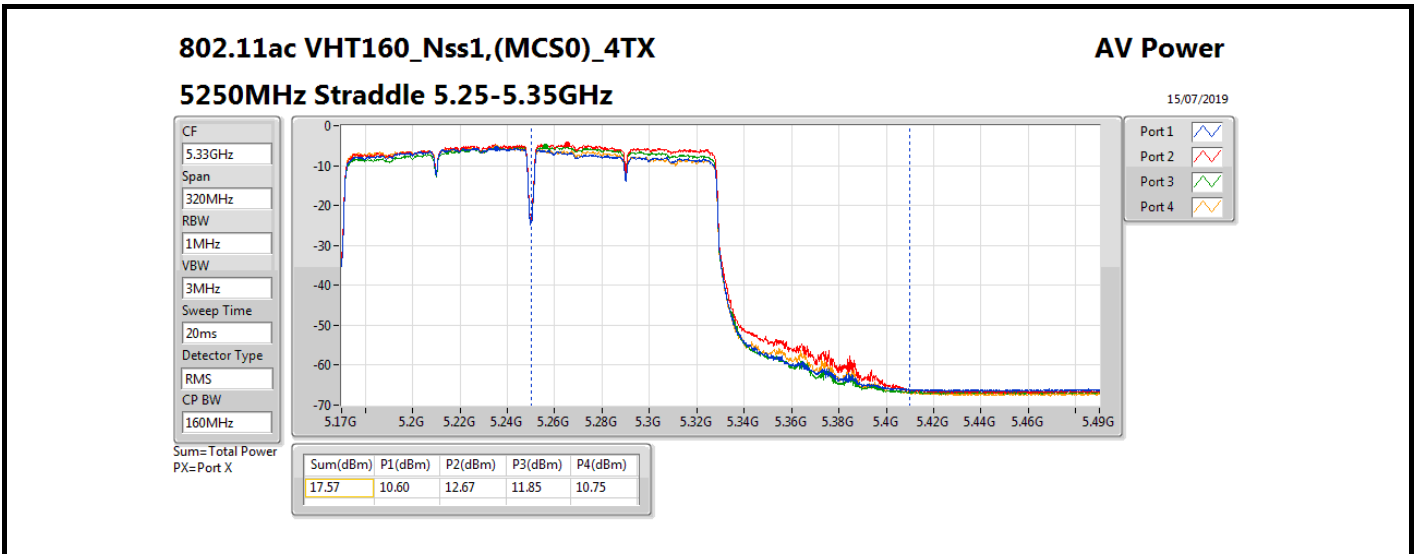


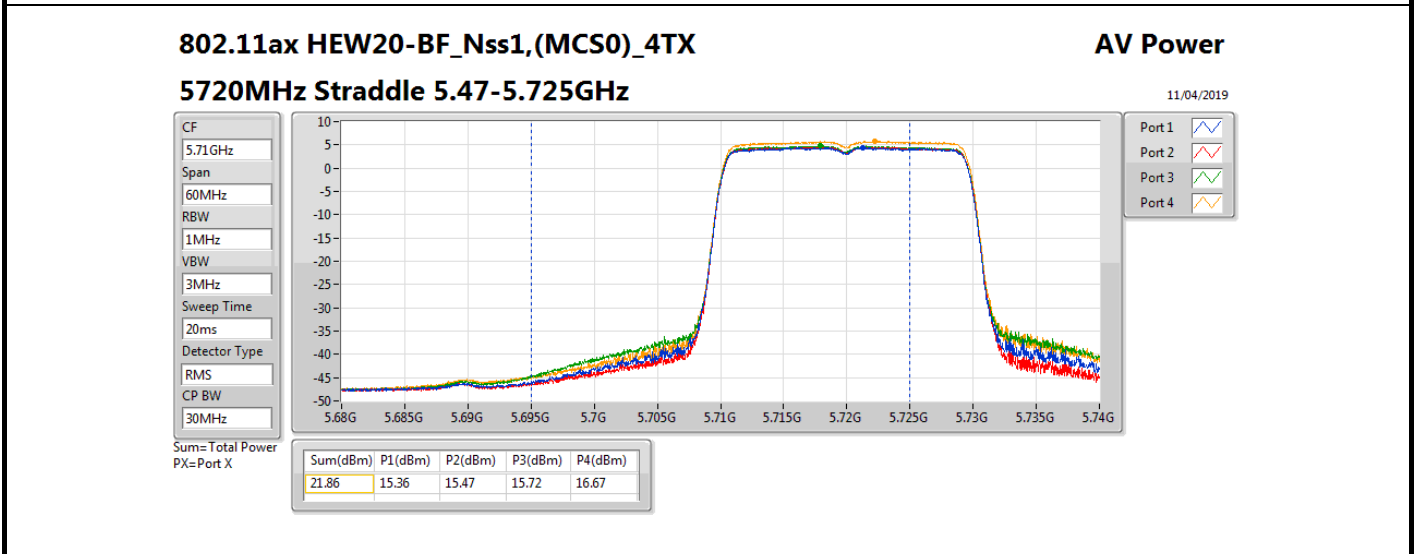
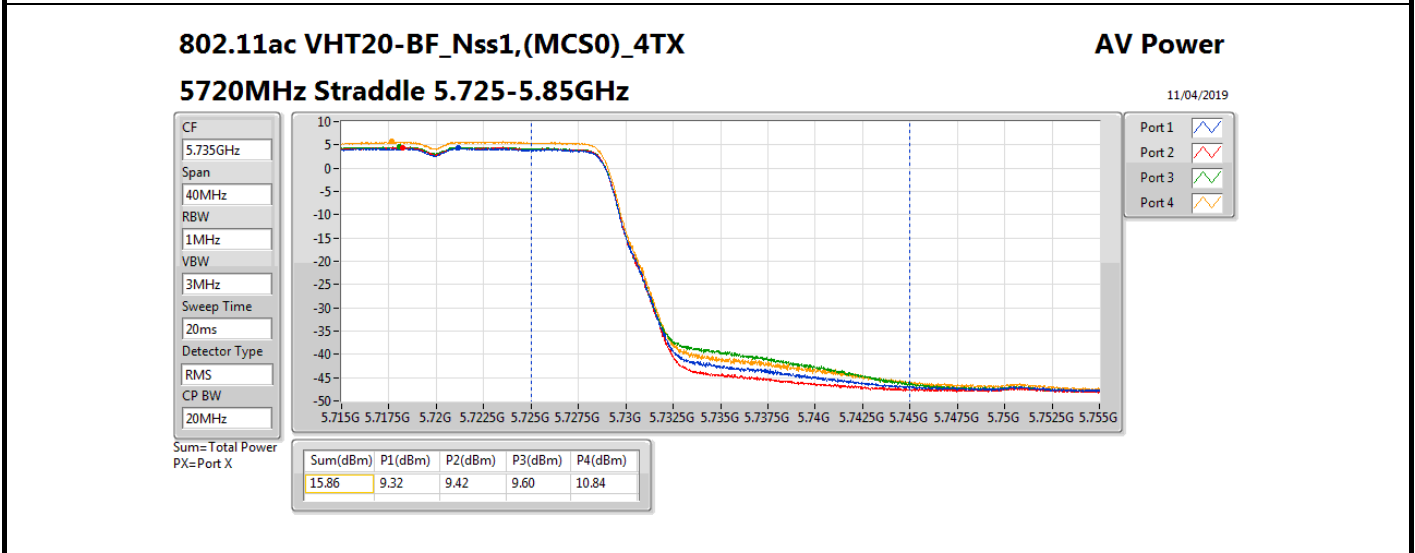
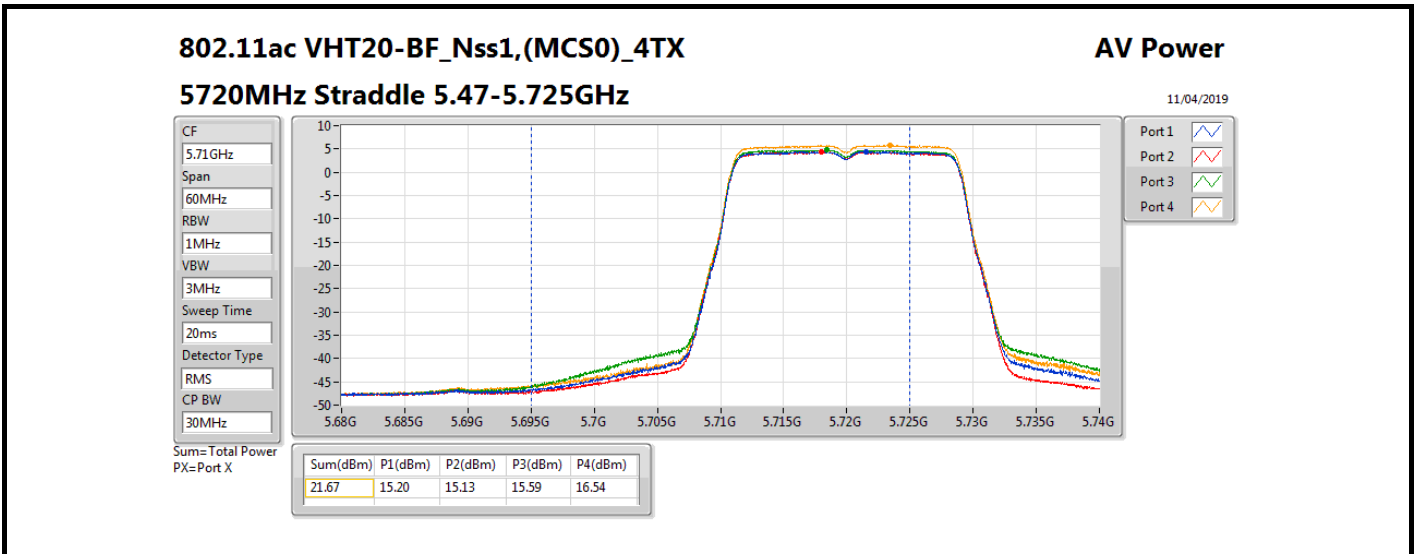


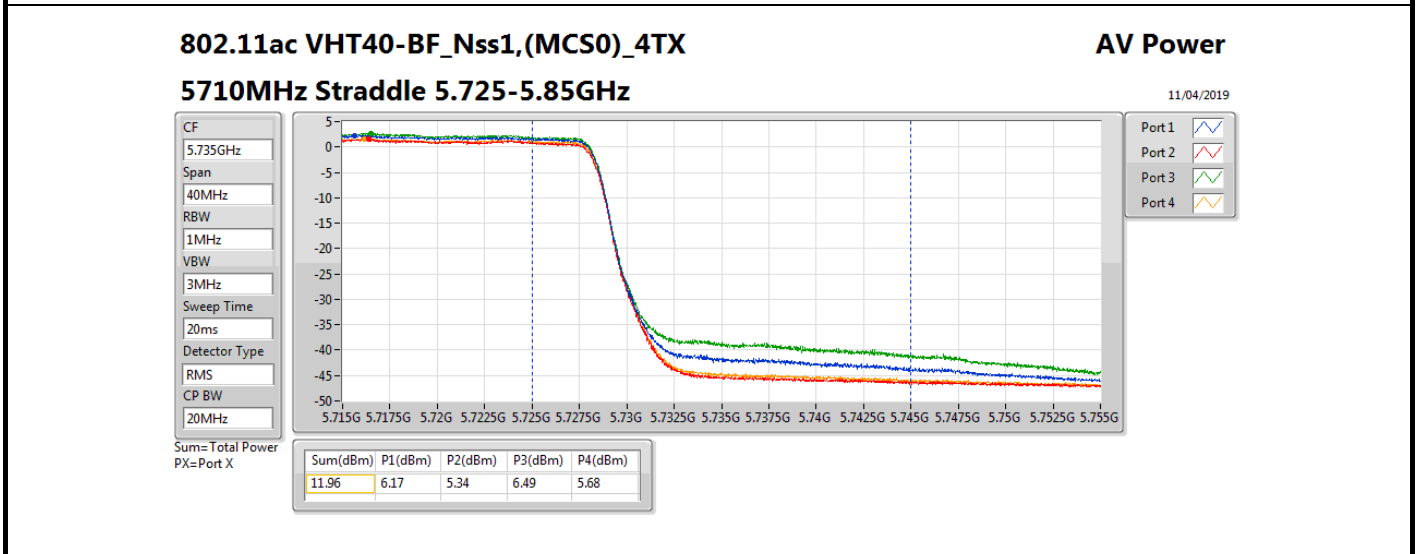
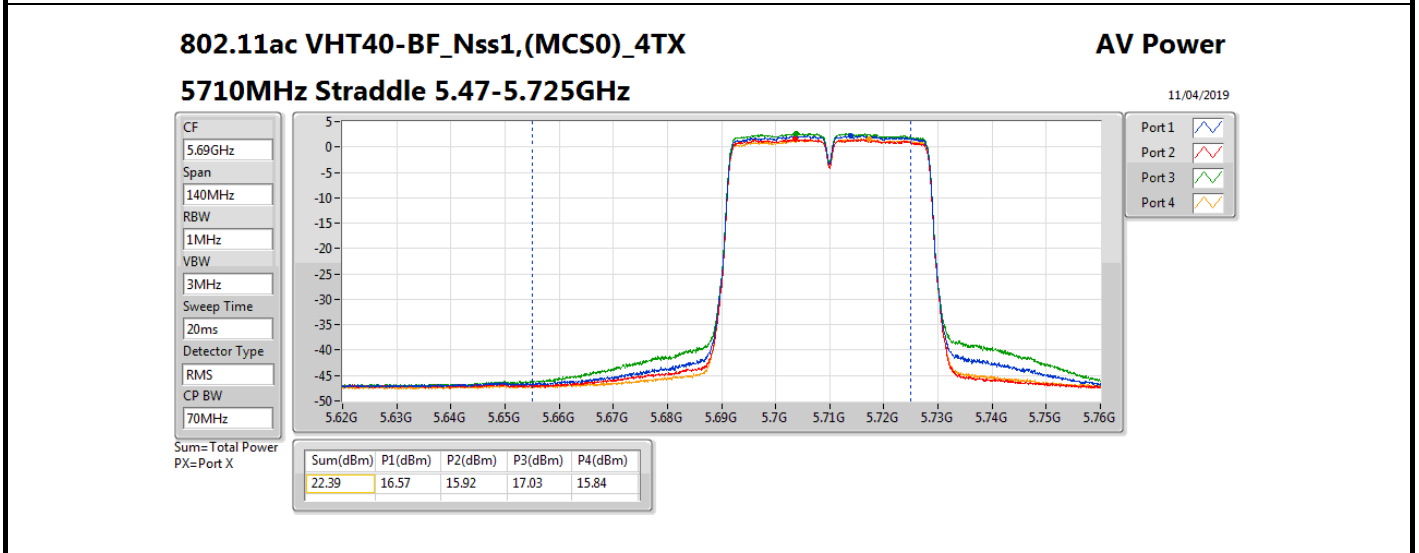
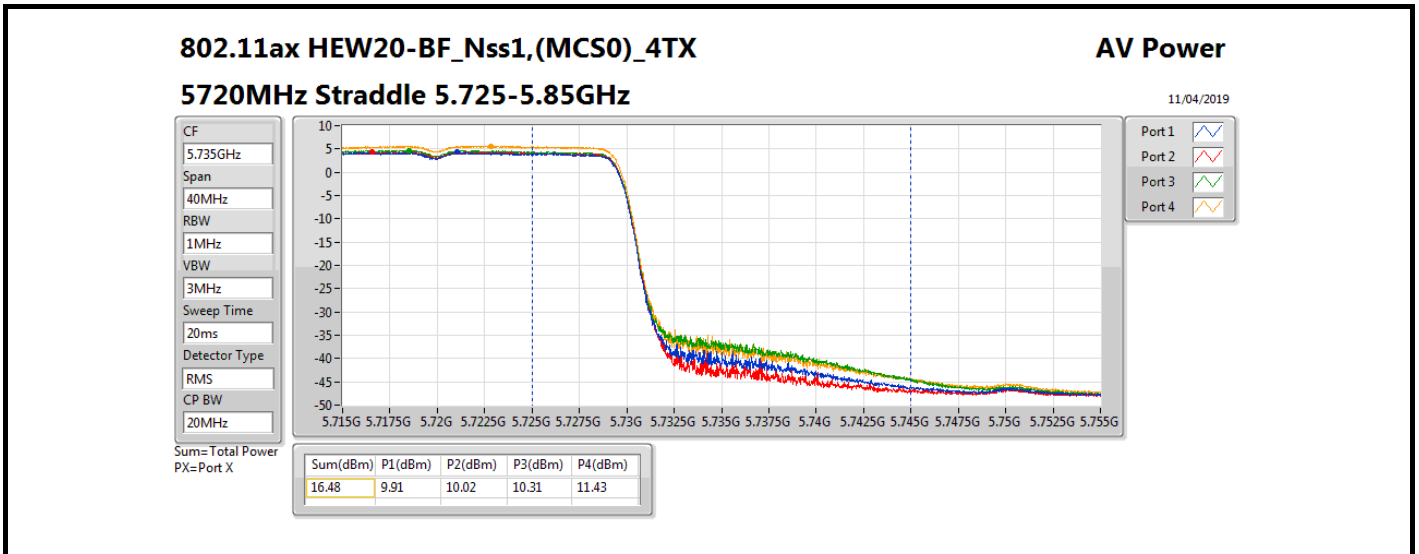


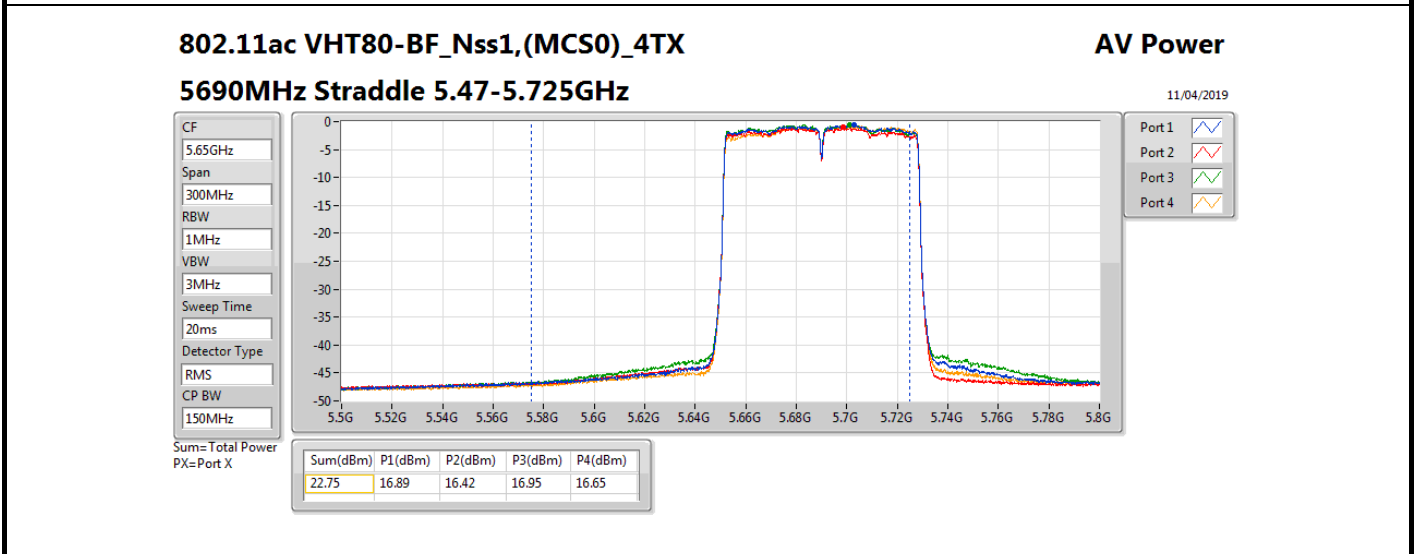
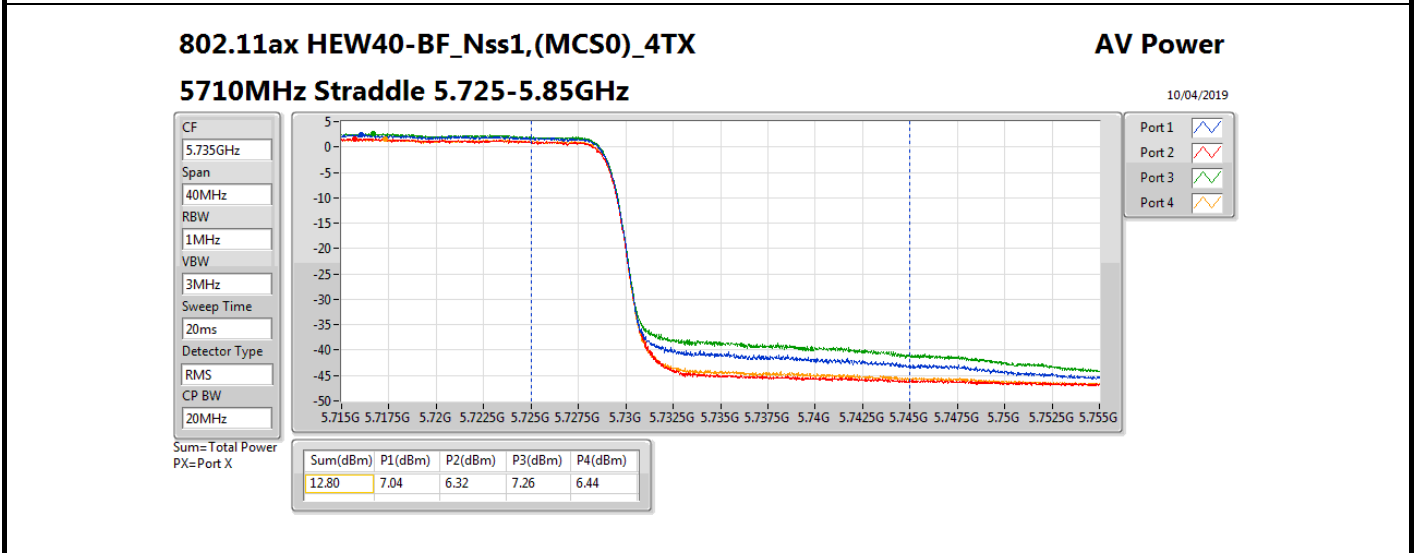
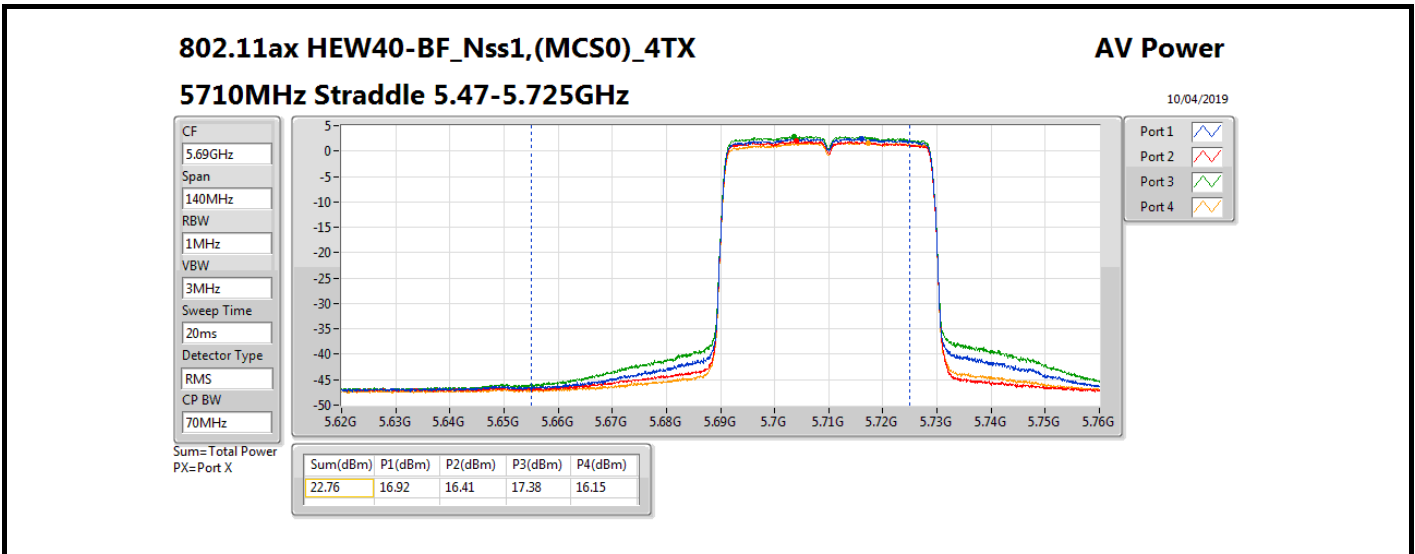


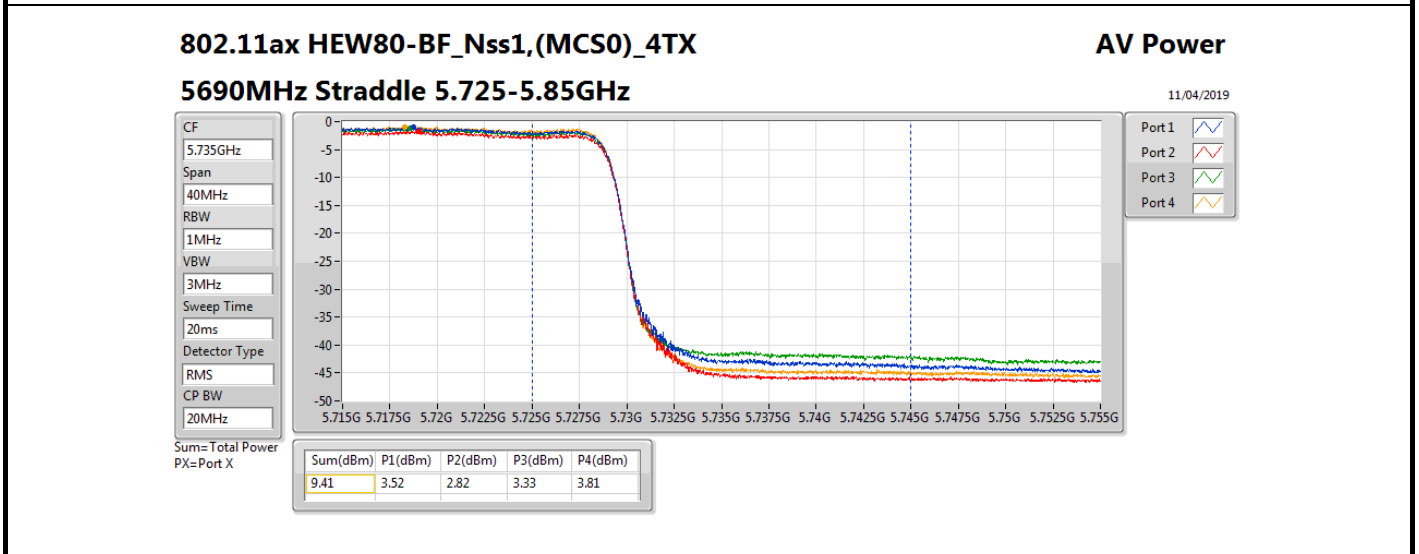
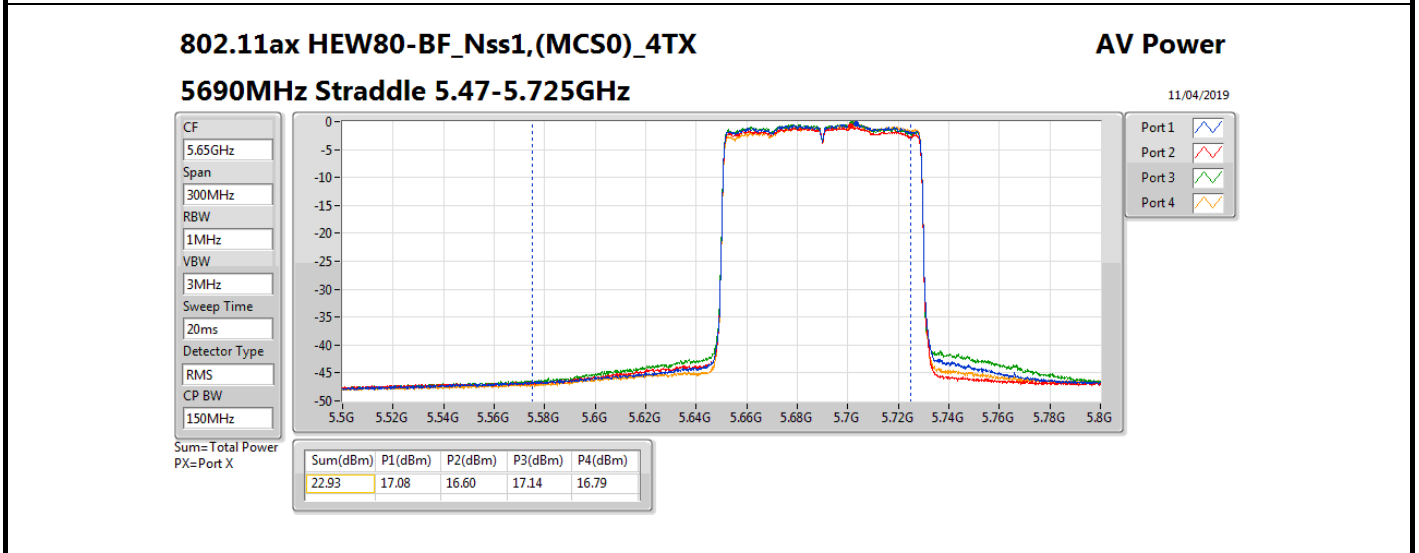
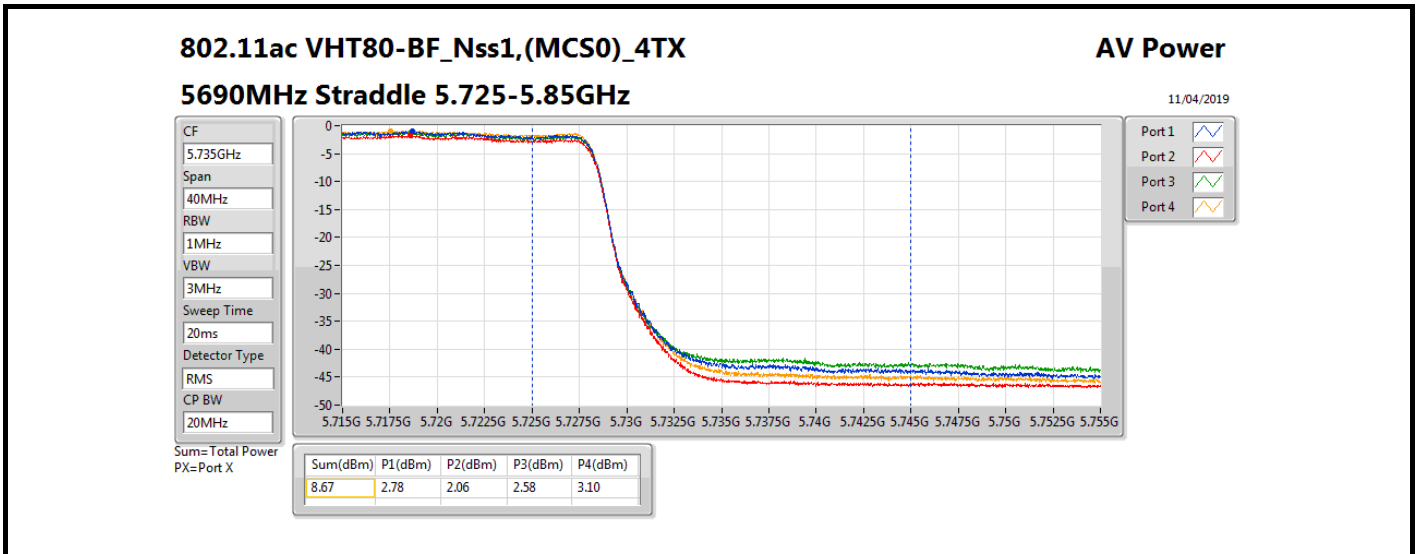


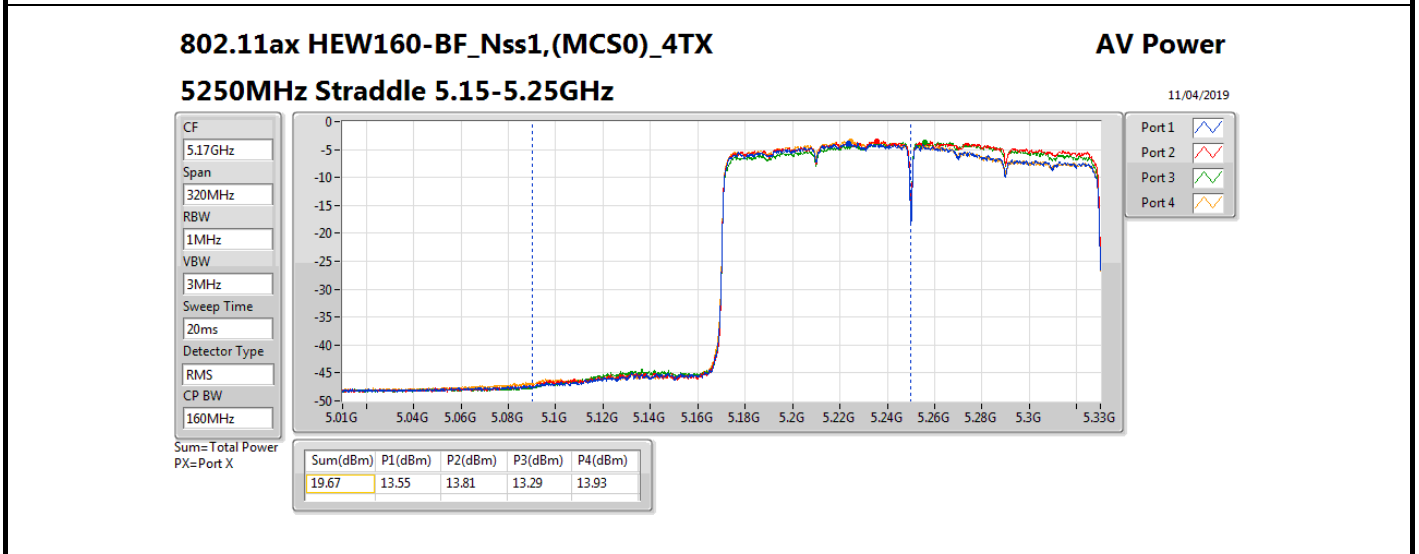
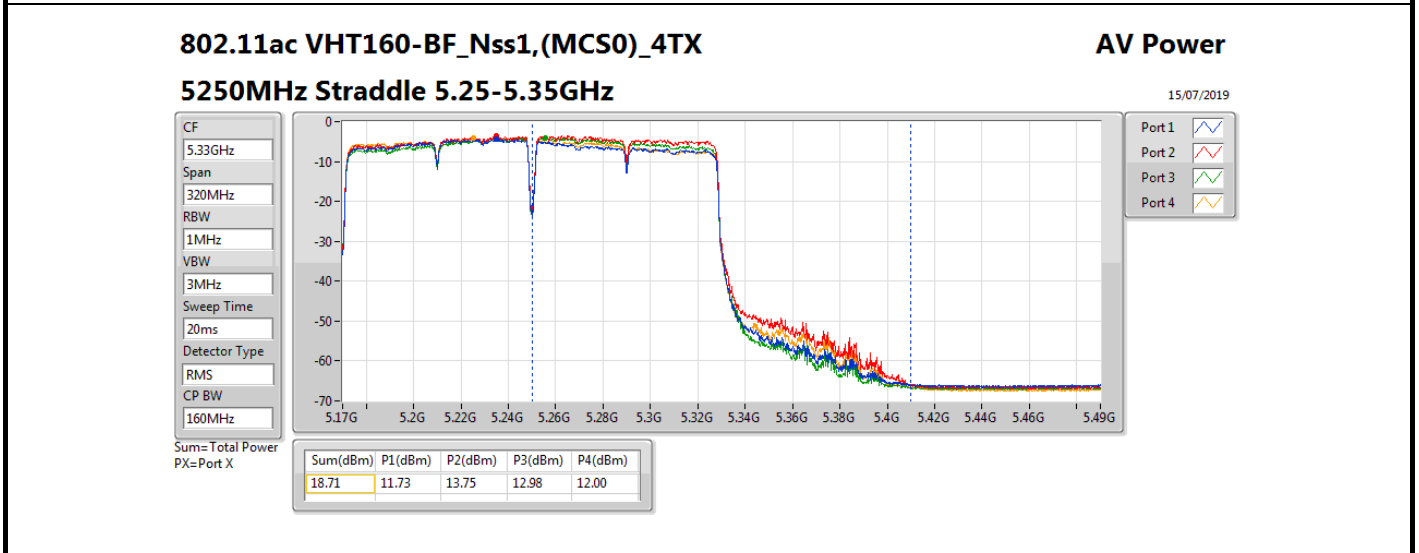
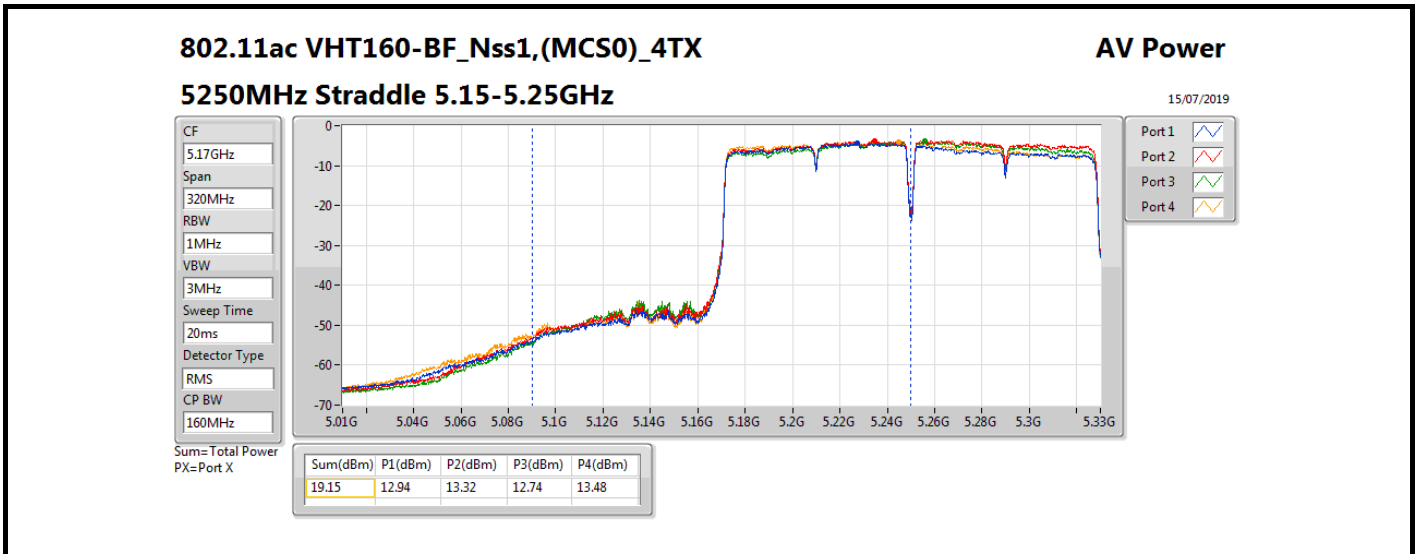


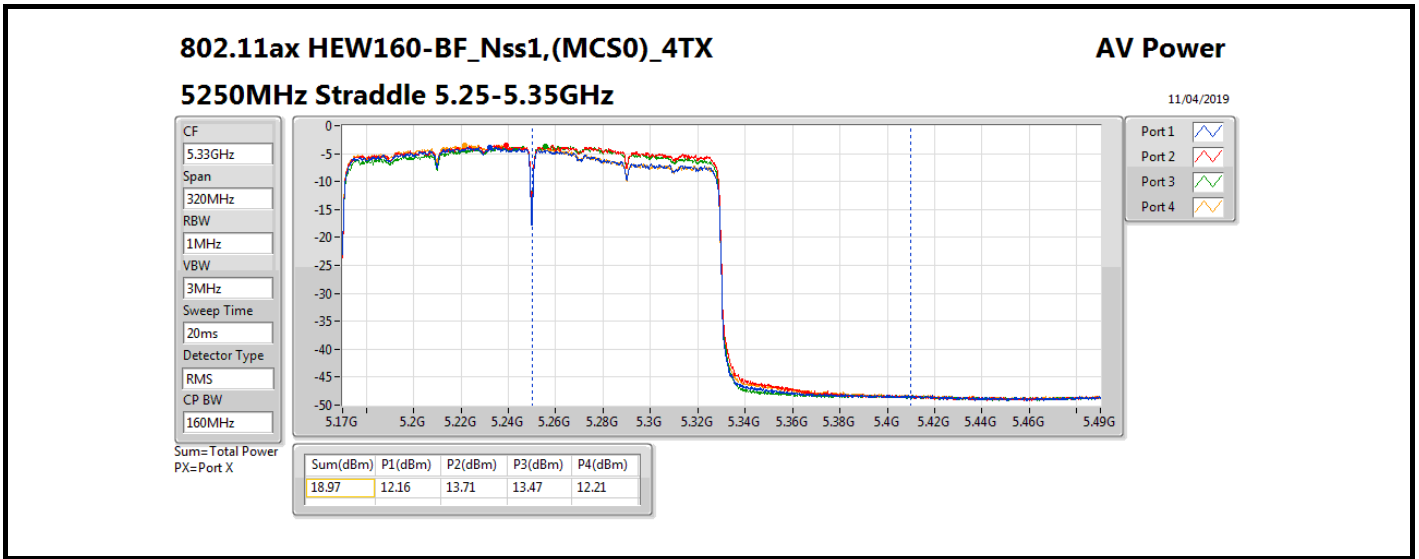














Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT160_Nss1,(MCS0)_4TX	-0.48
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.11
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	0.67
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.69
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.63
802.11ac VHT20_Nss1,(MCS0)_4TX	9.19
802.11ax HEW20_Nss1,(MCS0)_4TX	9.38
802.11ac VHT40_Nss1,(MCS0)_4TX	6.51
802.11ax HEW40_Nss1,(MCS0)_4TX	7.61
802.11ac VHT80_Nss1,(MCS0)_4TX	3.01
802.11ax HEW80_Nss1,(MCS0)_4TX	4.18
802.11ac VHT160_Nss1,(MCS0)_4TX	-0.94
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.34
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	8.05
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.13
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	5.25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.33
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	2.27
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.38
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	0.37
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.48
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.84
802.11ac VHT20_Nss1,(MCS0)_4TX	9.83
802.11ax HEW20_Nss1,(MCS0)_4TX	9.87
802.11ac VHT40_Nss1,(MCS0)_4TX	7.80
802.11ax HEW40_Nss1,(MCS0)_4TX	7.84
802.11ac VHT80_Nss1,(MCS0)_4TX	4.82
802.11ax HEW80_Nss1,(MCS0)_4TX	5.24
802.11ac VHT160_Nss1,(MCS0)_4TX	0.70
802.11ax HEW160_Nss1,(MCS0)_4TX	1.15
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	9.32
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.31
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	6.52
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.71
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	3.82
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.95
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	0.72
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.79
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.13
802.11ac VHT20_Nss1,(MCS0)_4TX	8.25



Mode	PD (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	8.16
802.11ac VHT40_Nss1,(MCS0)_4TX	5.63
802.11ax HEW40_Nss1,(MCS0)_4TX	5.76
802.11ac VHT80_Nss1,(MCS0)_4TX	1.72
802.11ax HEW80_Nss1,(MCS0)_4TX	2.15
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	7.53
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.55
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	4.24
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.50
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	1.02
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	1.29

RBW = 500 kHz 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_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	3.23	3.88	3.67	4.02	9.63	9.70
5300MHz	Pass	7.30	3.05	4.04	3.53	3.43	9.46	9.70
5320MHz	Pass	7.30	2.96	3.93	3.48	3.37	9.35	9.70
5500MHz	Pass	7.03	3.38	3.72	3.70	4.83	9.84	9.97
5580MHz	Pass	7.03	3.64	3.58	3.46	5.01	9.84	9.97
5700MHz	Pass	7.03	2.93	2.88	3.20	4.11	9.17	9.97
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	3.41	3.37	3.82	4.59	9.70	9.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	1.81	1.56	2.04	3.17	8.13	28.97
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	2.68	3.38	3.29	3.59	9.19	9.70
5300MHz	Pass	7.30	2.54	3.47	3.19	3.10	9.03	9.70
5320MHz	Pass	7.30	2.33	3.45	3.00	2.95	8.88	9.70
5500MHz	Pass	7.03	2.77	3.16	3.21	4.32	9.36	9.97
5580MHz	Pass	7.03	2.64	2.99	2.83	4.45	9.30	9.97
5700MHz	Pass	7.03	-1.32	-1.44	-1.18	0.28	5.05	9.97
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	3.37	3.58	3.80	4.81	9.83	9.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	1.68	1.79	2.32	3.19	8.25	28.97
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	2.90	3.67	3.46	3.74	9.38	9.70
5300MHz	Pass	7.30	2.71	3.67	3.24	3.17	9.19	9.70
5320MHz	Pass	7.30	2.62	3.41	3.19	2.98	8.97	9.70
5500MHz	Pass	7.03	2.78	3.24	3.33	4.32	9.40	9.97
5580MHz	Pass	7.03	2.89	3.10	3.01	4.47	9.37	9.97
5700MHz	Pass	7.03	-1.24	-1.36	-1.28	0.18	5.08	9.97
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	3.34	3.55	3.86	4.86	9.87	9.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	1.58	1.75	2.22	3.09	8.16	28.97
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.30	0.27	0.99	0.43	0.51	6.51	9.70
5310MHz	Pass	7.30	0.10	0.66	0.68	0.10	6.32	9.70
5510MHz	Pass	7.03	0.85	1.41	1.61	1.73	7.37	9.97
5550MHz	Pass	7.03	0.76	1.25	1.45	1.78	7.27	9.97
5670MHz	Pass	7.03	1.57	0.93	2.07	0.44	7.20	9.97
5710MHz Straddle 5.47-5.725GHz	Pass	7.03	1.99	1.60	2.63	1.19	7.80	9.97
5710MHz Straddle 5.725-5.85GHz	Pass	7.03	-0.17	-0.56	0.24	-0.77	5.63	28.97
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.30	1.55	2.24	1.83	1.58	7.61	9.70
5310MHz	Pass	7.30	1.45	1.80	1.75	0.97	7.34	9.70
5510MHz	Pass	7.03	0.92	1.35	1.69	1.68	7.33	9.97
5550MHz	Pass	7.03	0.98	1.50	1.89	2.12	7.52	9.97
5670MHz	Pass	7.03	1.72	1.07	2.40	0.57	7.39	9.97
5710MHz Straddle 5.47-5.725GHz	Pass	7.03	2.00	1.63	2.75	1.12	7.84	9.97
5710MHz Straddle 5.725-5.85GHz	Pass	7.03	-0.09	-0.52	0.49	-0.61	5.76	28.97
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-



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)
5290MHz	Pass	7.30	-3.33	-2.07	-2.60	-3.29	3.01	9.70
5530MHz	Pass	7.03	-1.64	-2.12	-0.66	-0.42	4.82	9.97
5610MHz	Pass	7.03	-1.14	-1.58	-1.02	-1.32	4.70	9.97
5690MHz Straddle 5.47-5.725GHz	Pass	7.03	-1.55	-1.74	-1.34	-1.76	4.36	9.97
5690MHz Straddle 5.725-5.85GHz	Pass	7.03	-3.97	-4.64	-4.23	-3.86	1.72	28.97
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.30	-2.02	-0.58	-1.46	-2.20	4.18	9.70
5530MHz	Pass	7.03	-1.00	-1.67	-0.27	0.11	5.24	9.97
5610MHz	Pass	7.03	-0.96	-1.36	-0.66	-0.93	4.98	9.97
5690MHz Straddle 5.47-5.725GHz	Pass	7.03	-1.25	-1.39	-0.94	-1.41	4.70	9.97
5690MHz Straddle 5.725-5.85GHz	Pass	7.03	-3.78	-4.19	-3.76	-3.42	2.15	28.97
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.30	-6.45	-6.01	-6.37	-6.37	-0.48	15.70
5250MHz Straddle 5.25-5.35GHz	Pass	7.30	-7.39	-6.02	-6.57	-7.27	-0.94	9.70
5570MHz	Pass	7.03	-4.77	-4.97	-5.00	-5.94	0.70	9.97
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.30	-6.27	-5.52	-6.03	-5.95	-0.11	15.70
5250MHz Straddle 5.25-5.35GHz	Pass	7.30	-6.72	-5.67	-6.00	-6.37	-0.34	9.70
5570MHz	Pass	7.03	-5.56	-4.76	-4.47	-4.15	1.15	9.97
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	1.65	2.13	2.10	2.51	8.05	9.70
5300MHz	Pass	7.30	1.58	2.31	1.96	1.90	7.90	9.70
5320MHz	Pass	7.30	1.45	2.19	1.86	1.78	7.77	9.70
5500MHz	Pass	7.03	2.91	3.02	3.04	4.34	9.32	9.97
5580MHz	Pass	7.03	2.77	2.94	2.85	4.42	9.25	9.97
5700MHz	Pass	7.03	2.03	2.02	2.38	3.35	8.42	9.97
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	2.90	2.84	3.16	4.22	9.28	9.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	1.07	1.11	1.37	2.54	7.53	28.97
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.30	1.73	2.25	2.30	2.39	8.13	9.70
5300MHz	Pass	7.30	1.70	2.33	2.08	1.93	7.93	9.70
5320MHz	Pass	7.30	1.53	2.07	1.98	1.64	7.74	9.70
5500MHz	Pass	7.03	2.10	2.41	2.42	3.56	8.61	9.97
5580MHz	Pass	7.03	2.02	2.23	2.14	3.58	8.49	9.97
5700MHz	Pass	7.03	1.39	1.43	1.82	2.66	7.78	9.97
5720MHz Straddle 5.47-5.725GHz	Pass	7.03	2.92	2.96	3.20	4.27	9.31	9.97
5720MHz Straddle 5.725-5.85GHz	Pass	7.03	1.05	1.09	1.38	2.47	7.55	28.97
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.30	-1.22	-0.58	-0.50	-0.51	5.25	9.70
5310MHz	Pass	7.30	-1.06	-0.56	-0.62	-1.05	5.16	9.70
5510MHz	Pass	7.03	-0.65	-0.21	0.09	0.69	5.92	9.97
5550MHz	Pass	7.03	-0.35	-0.09	0.39	0.95	6.15	9.97
5670MHz	Pass	7.03	0.65	-0.10	0.87	-0.30	6.22	9.97
5710MHz Straddle 5.47-5.725GHz	Pass	7.03	0.74	0.13	1.34	0.01	6.52	9.97
5710MHz Straddle 5.725-5.85GHz	Pass	7.03	-1.55	-2.32	-1.21	-2.05	4.24	28.97



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)
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.30	0.16	0.86	0.66	0.52	6.33	9.70
5310MHz	Pass	7.30	0.18	0.68	0.85	-0.19	6.24	9.70
5510MHz	Pass	7.03	-0.43	-0.01	0.25	0.69	6.08	9.97
5550MHz	Pass	7.03	-0.01	0.32	0.61	1.39	6.48	9.97
5670MHz	Pass	7.03	0.80	-0.03	1.08	0.01	6.43	9.97
5710MHz Straddle 5.47-5.725GHz	Pass	7.03	1.05	0.36	1.26	0.18	6.71	9.97
5710MHz Straddle 5.725-5.85GHz	Pass	7.03	-1.27	-1.87	-0.96	-1.57	4.50	28.97
802.11ac VHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.30	-4.00	-2.78	-3.56	-4.01	2.27	9.70
5530MHz	Pass	7.03	-3.54	-4.17	-2.95	-2.70	2.67	9.97
5610MHz	Pass	7.03	-1.93	-2.65	-1.87	-2.12	3.82	9.97
5690MHz Straddle 5.47-5.725GHz	Pass	7.03	-1.84	-2.80	-2.12	-2.13	3.76	9.97
5690MHz Straddle 5.725-5.85GHz	Pass	7.03	-4.72	-5.58	-5.18	-4.37	1.02	28.97
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.30	-2.84	-1.52	-2.17	-2.86	3.38	9.70
5530MHz	Pass	7.03	-3.29	-3.79	-2.65	-2.35	2.97	9.97
5610MHz	Pass	7.03	-1.65	-2.49	-2.08	-2.02	3.95	9.97
5690MHz Straddle 5.47-5.725GHz	Pass	7.03	-1.93	-2.52	-1.85	-2.05	3.87	9.97
5690MHz Straddle 5.725-5.85GHz	Pass	7.03	-4.46	-5.13	-4.59	-4.11	1.29	28.97
802.11ac VHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.30	-5.75	-4.96	-5.07	-5.06	0.67	15.70
5250MHz Straddle 5.25-5.35GHz	Pass	7.30	-6.14	-4.92	-5.32	-5.92	0.37	9.70
5570MHz	Pass	7.03	-4.71	-4.92	-4.85	-6.03	0.72	9.97
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.30	-5.45	-5.03	-5.20	-5.01	0.69	15.70
5250MHz Straddle 5.25-5.35GHz	Pass	7.30	-5.83	-4.83	-5.21	-5.50	0.48	9.70
5570MHz	Pass	7.03	-5.75	-5.01	-5.02	-4.66	0.79	9.97

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

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

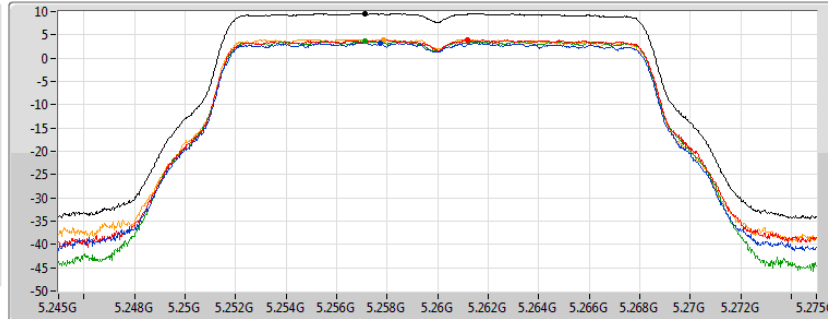
802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

11/04/2019

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	3.23	3.88	3.67	4.02

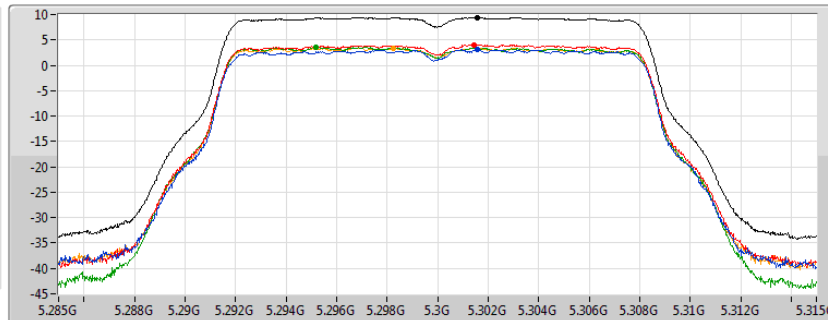
802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

11/04/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.46	9.46	3.05	4.04	3.53	3.43

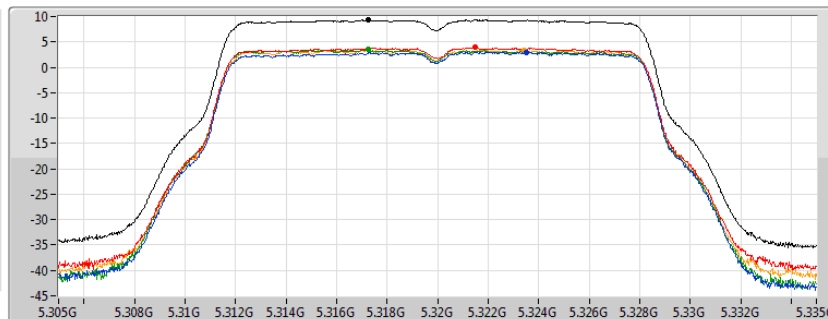
802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

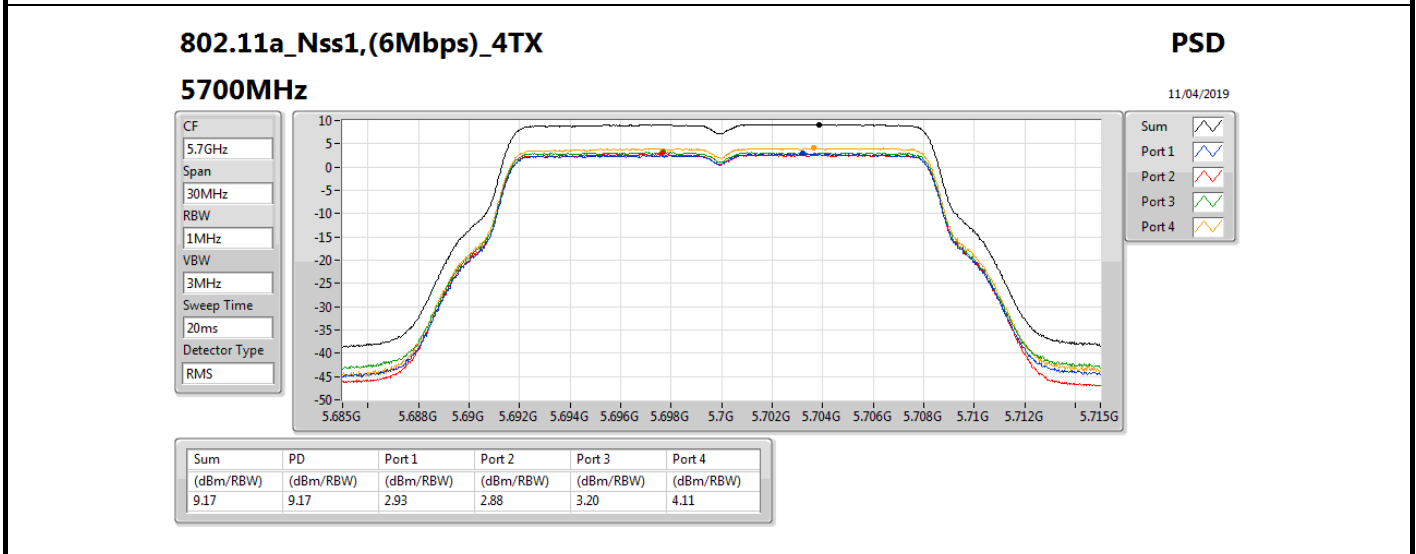
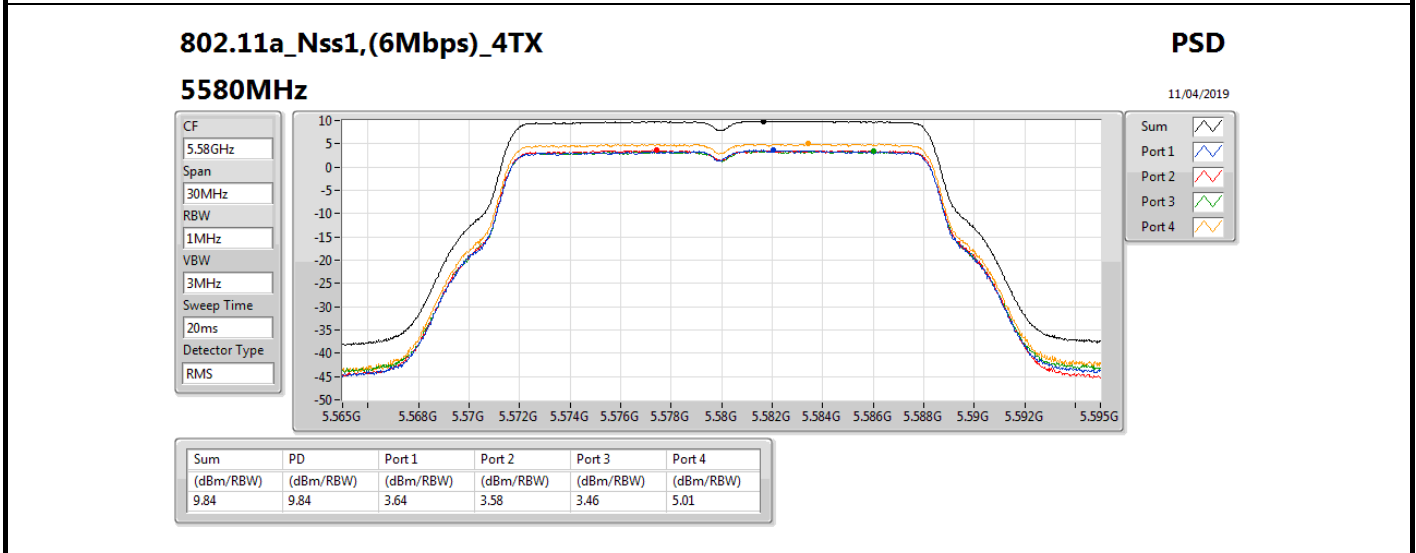
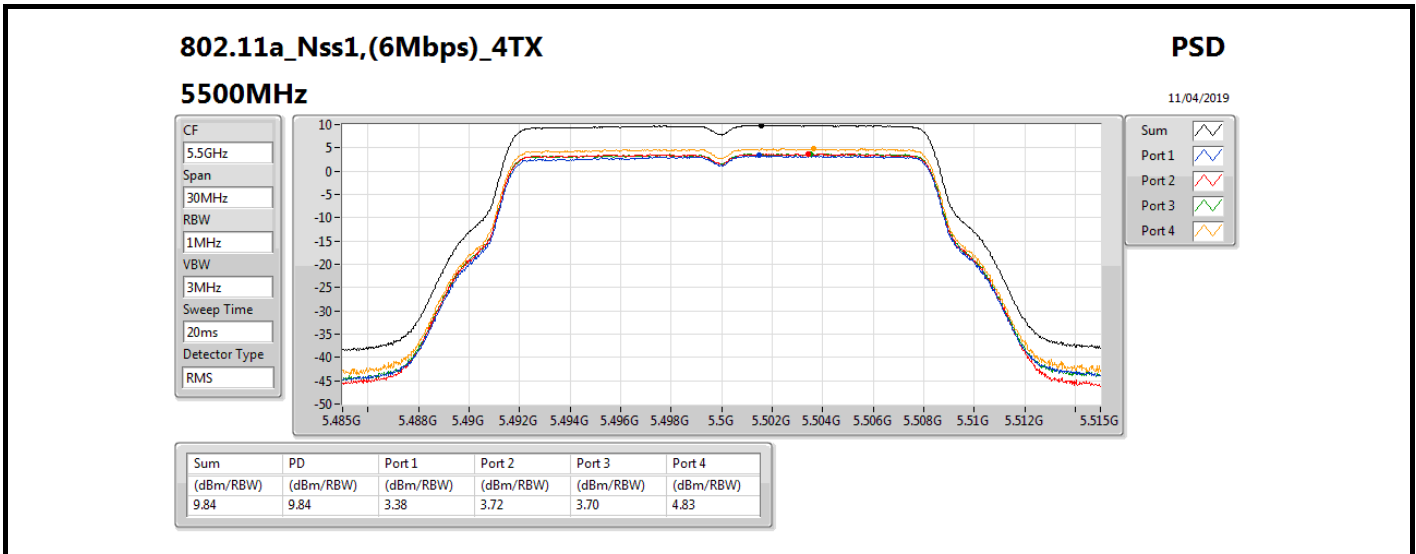
11/04/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

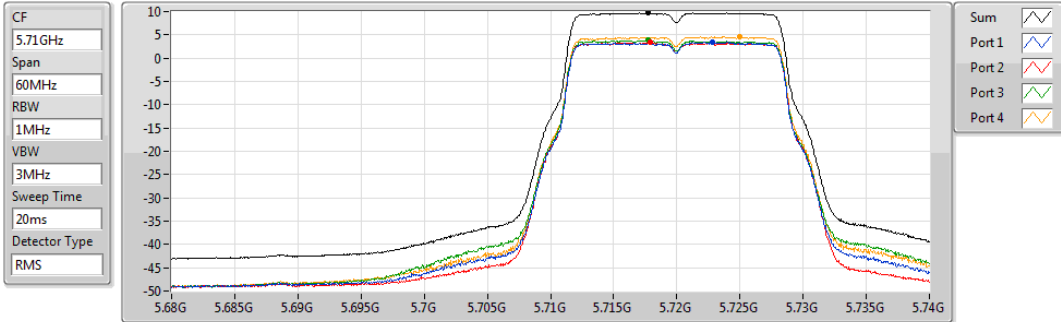
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.35	9.35	2.96	3.93	3.48	3.37



802.11a_Nss1,(6Mbps)_4TX
5720MHz Straddle 5.47-5.725GHz

PSD

11/04/2019

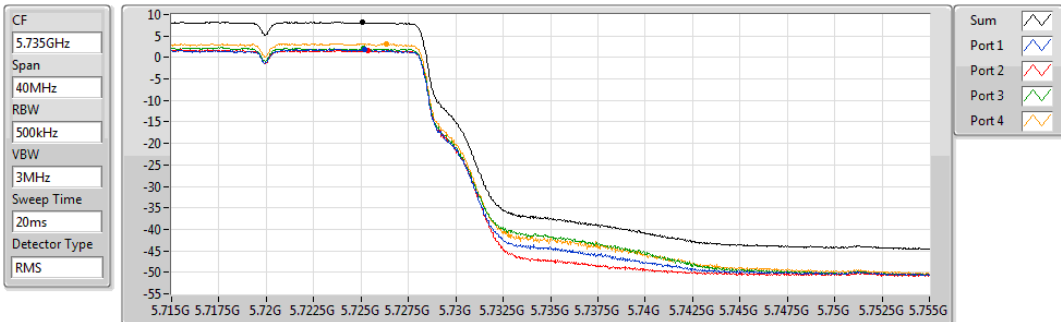


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.70	9.70	3.41	3.37	3.82	4.59

802.11a_Nss1,(6Mbps)_4TX
5720MHz Straddle 5.725-5.85GHz

PSD

11/04/2019

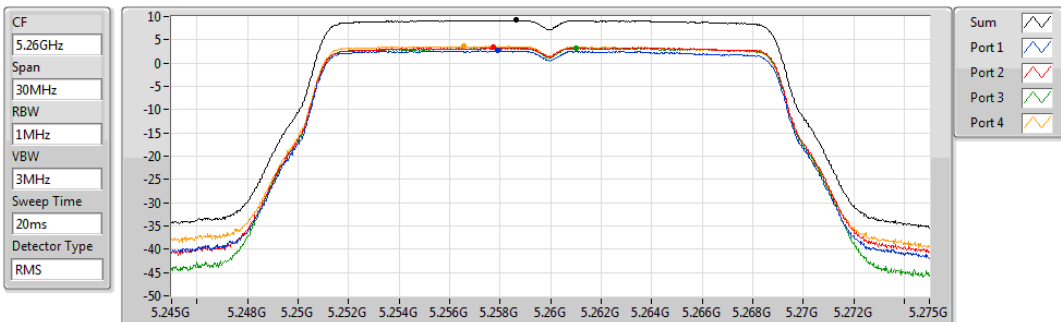


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	1.81	1.56	2.04	3.17

802.11ac VHT20_Nss1,(MCS0)_4TX
5260MHz

PSD

11/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.19	9.19	2.68	3.38	3.29	3.59

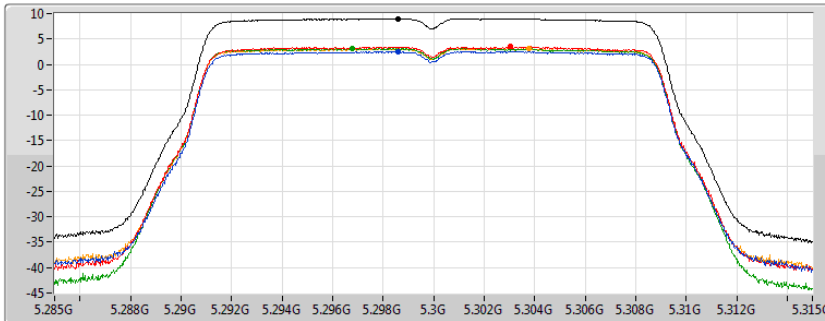
802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

11/04/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.03	9.03	2.54	3.47	3.19	3.10

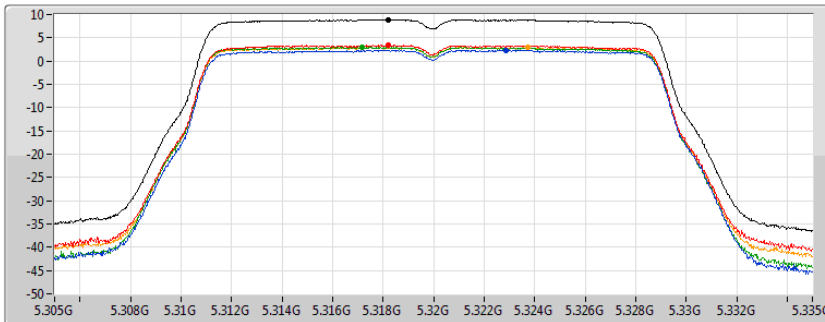
802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

11/04/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	2.33	3.45	3.00	2.95

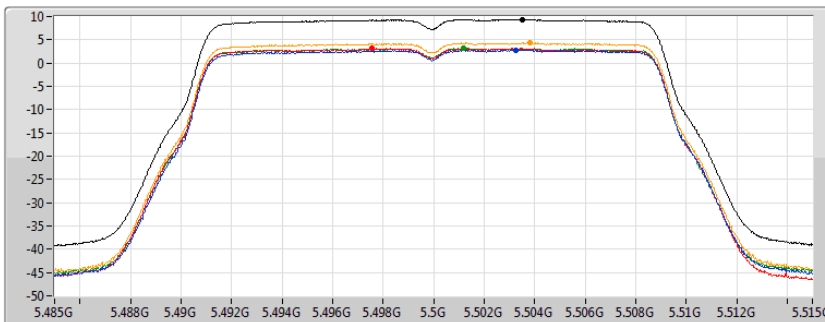
802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

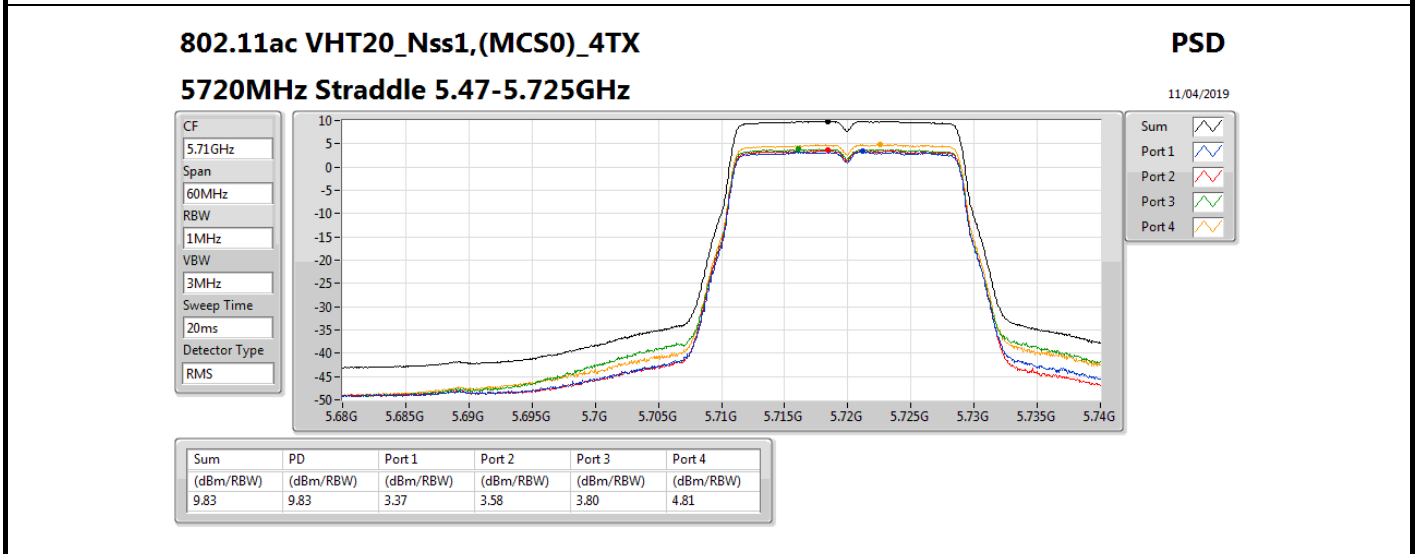
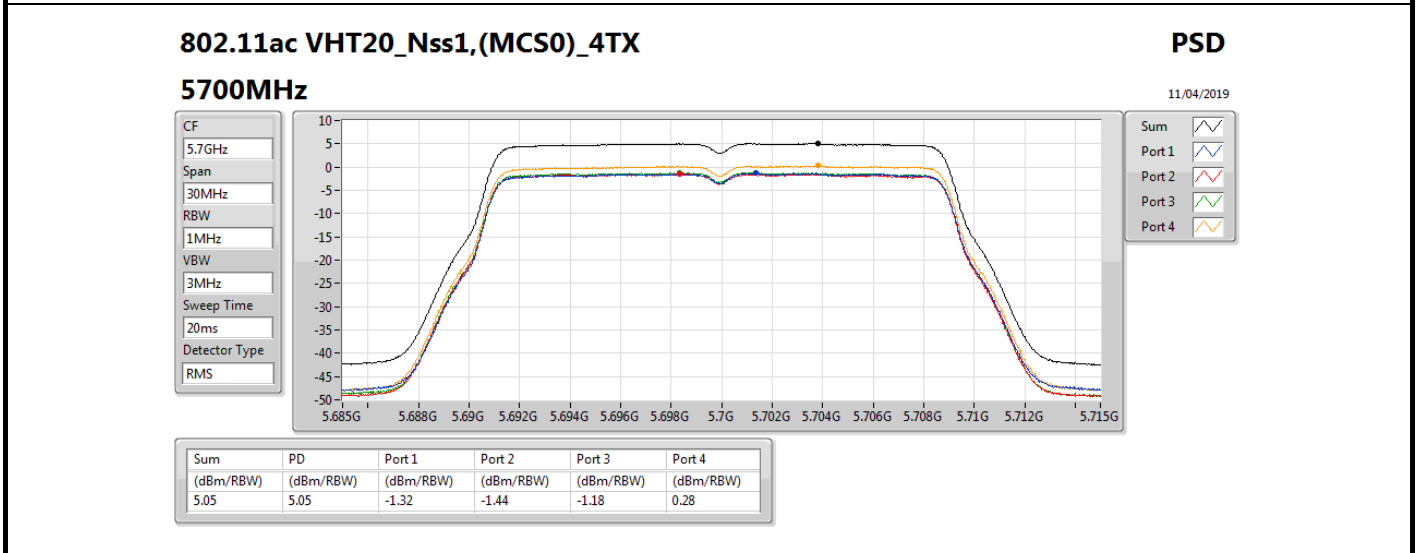
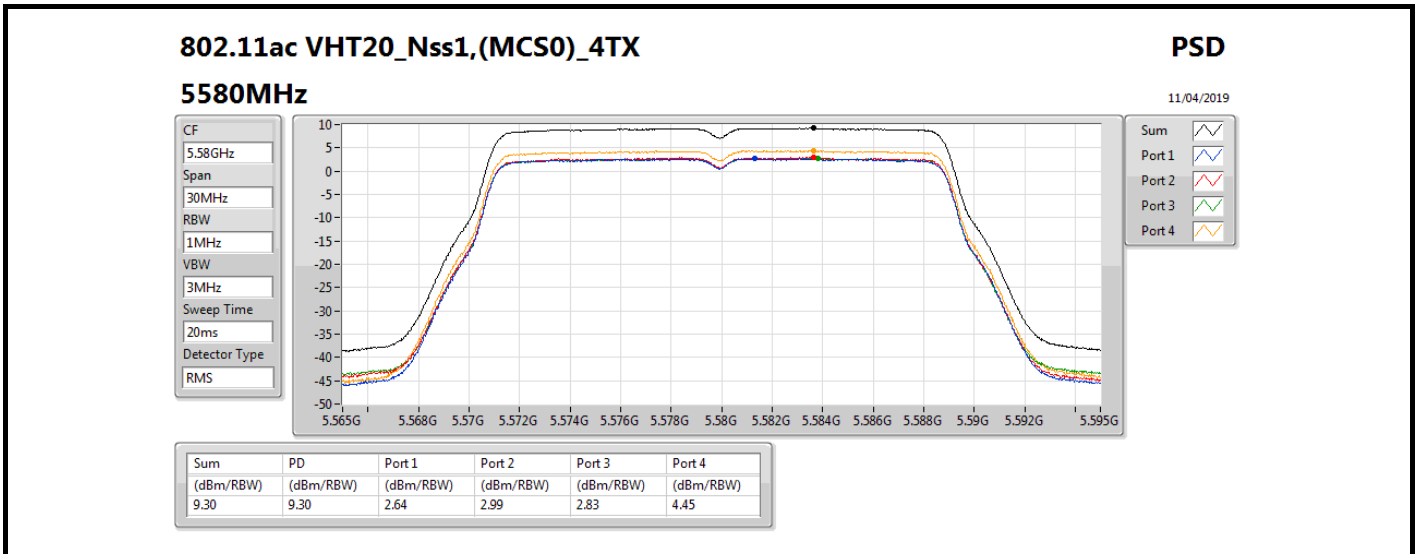
11/04/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.36	9.36	2.77	3.16	3.21	4.32

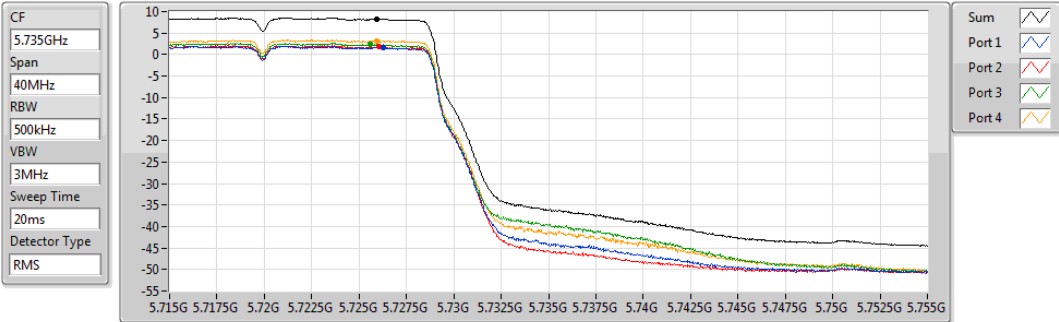


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

11/04/2019



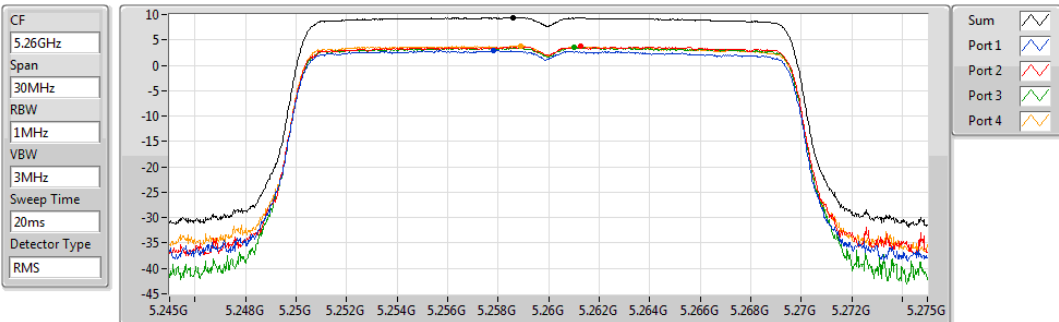
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.25	8.25	1.68	1.79	2.32	3.19

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

11/04/2019



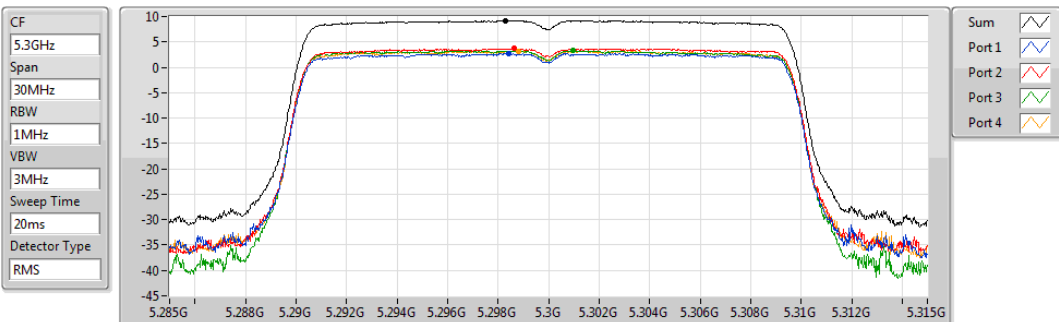
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.38	9.38	2.90	3.67	3.46	3.74

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

11/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.19	9.19	2.71	3.67	3.24	3.17

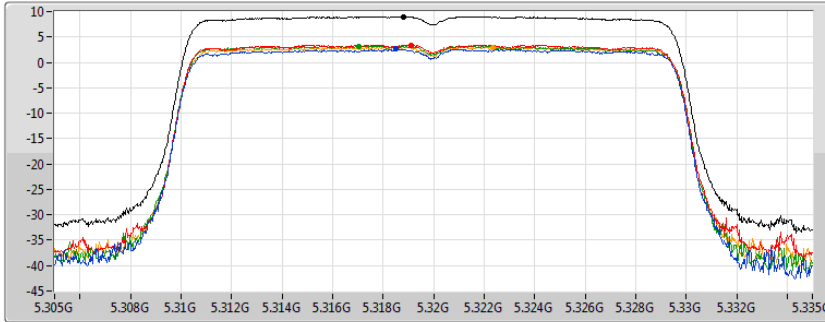
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

11/04/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.97	8.97	2.62	3.41	3.19	2.98

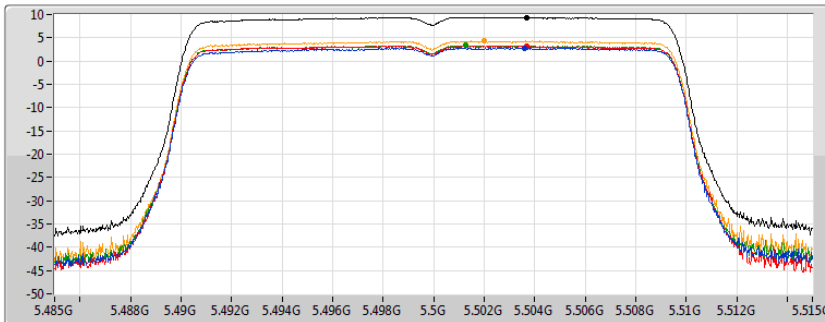
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

11/04/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.40	9.40	2.78	3.24	3.33	4.32

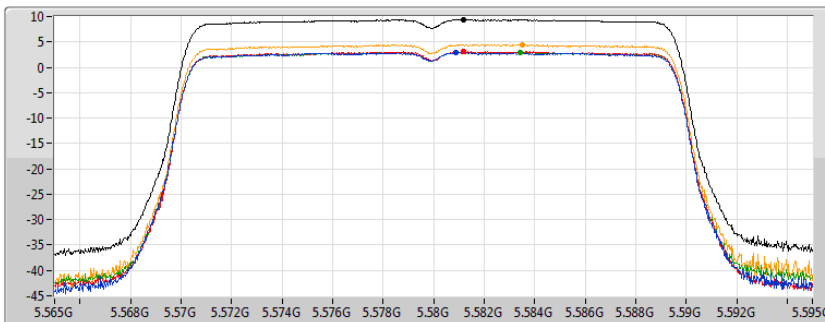
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

11/04/2019

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.37	9.37	2.89	3.10	3.01	4.47

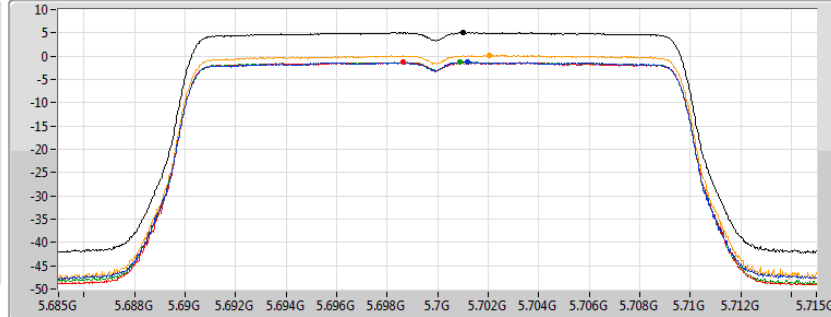
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

11/04/2019

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.08	5.08	-1.24	-1.36	-1.28	0.18

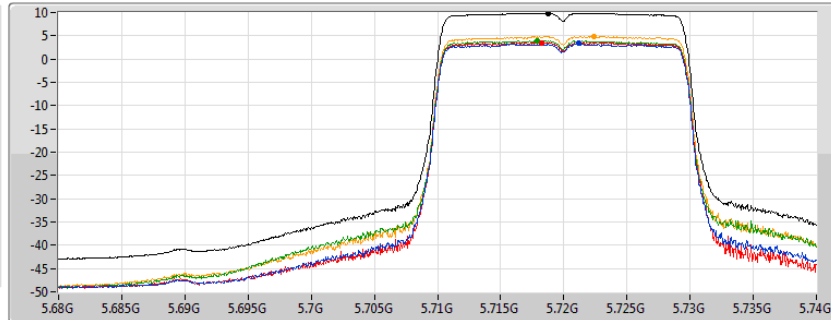
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/04/2019

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.87	9.87	3.34	3.55	3.86	4.86

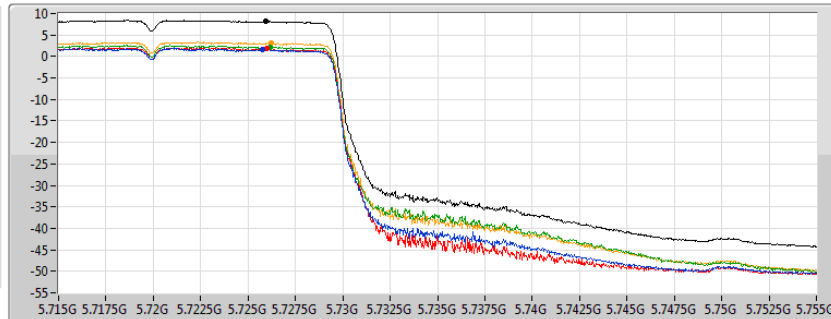
802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

11/04/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	1.58	1.75	2.22	3.09

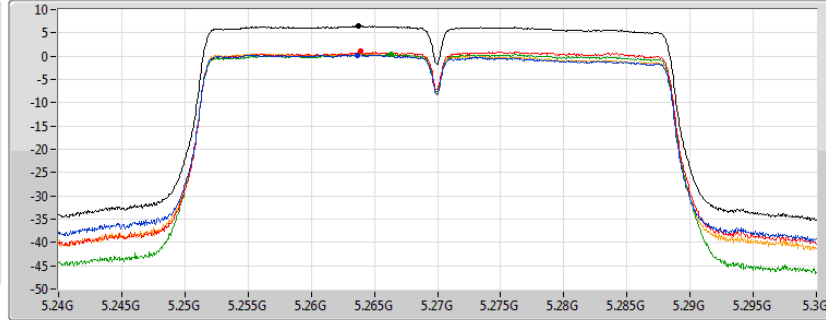
802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5270MHz

11/04/2019

CF
5.27GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.51	6.51	0.27	0.99	0.43	0.51

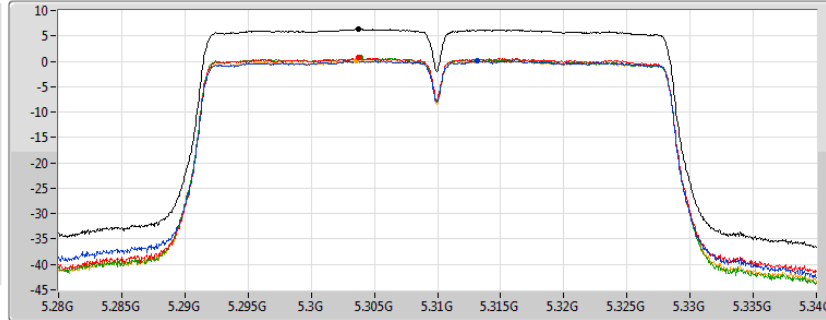
802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5310MHz

11/04/2019

CF
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.32	6.32	0.10	0.66	0.68	0.10

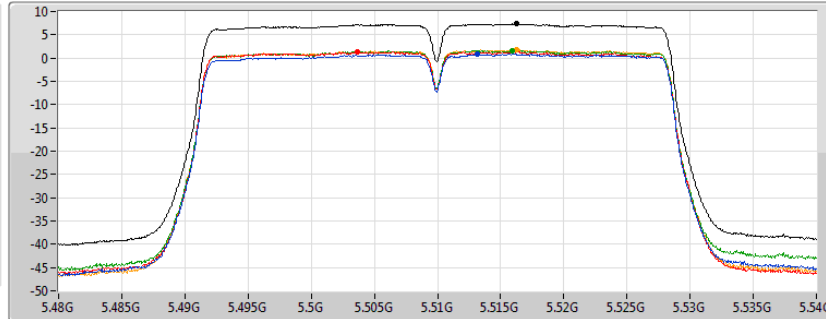
802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

11/04/2019

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	0.85	1.41	1.61	1.73

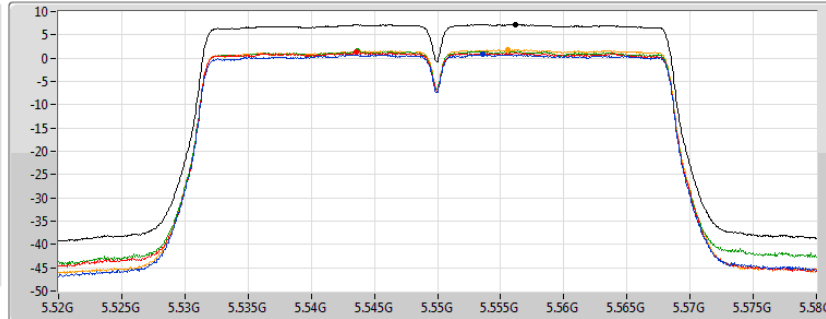
802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

11/04/2019

CF 5.55GHz
 Span 60MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 20ms
 Detector Type RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.27	7.27	0.76	1.25	1.45	1.78

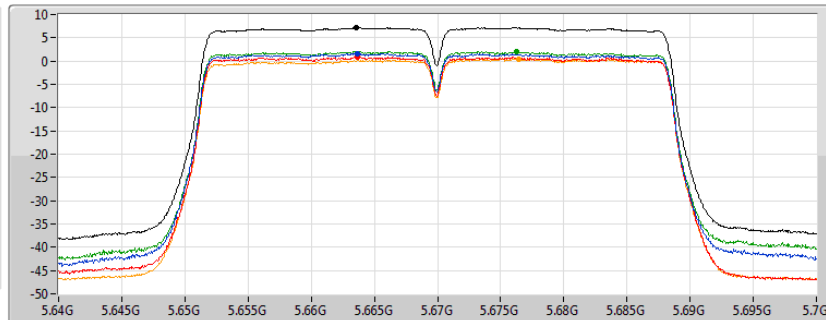
802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

11/04/2019

CF 5.67GHz
 Span 60MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 20ms
 Detector Type RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.20	7.20	1.57	0.93	2.07	0.44

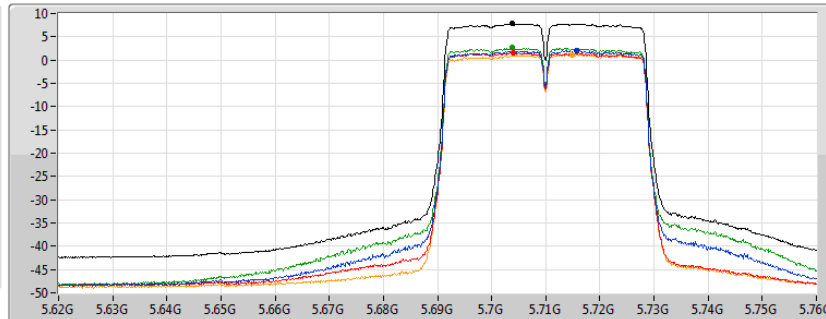
802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

11/04/2019

CF 5.69GHz
 Span 140MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 20ms
 Detector Type RMS



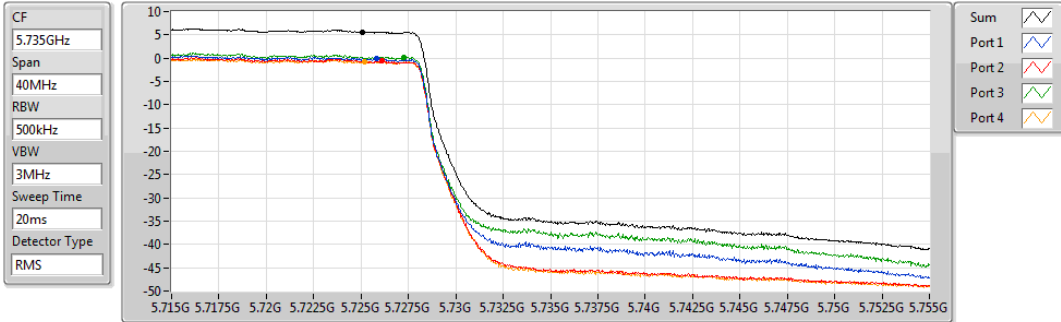
Sum
 Port 1
 Port 2
 Port 3
 Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	1.99	1.60	2.63	1.19

802.11ac VHT40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.725-5.85GHz

PSD

11/04/2019

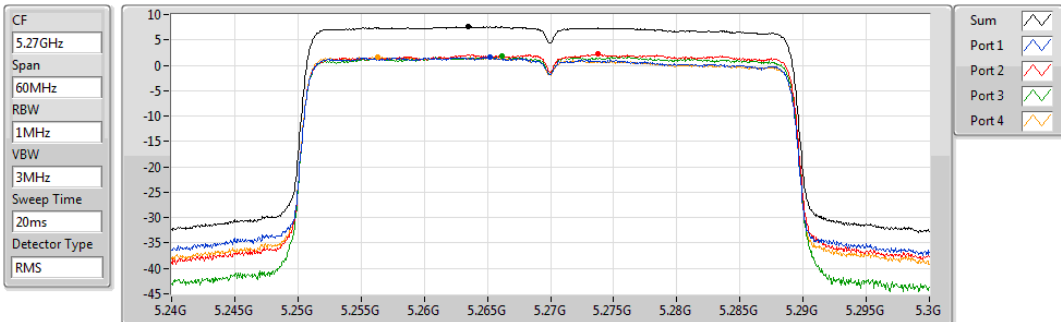


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.63	5.63	-0.17	-0.56	0.24	-0.77

802.11ax HEW40_Nss1,(MCS0)_4TX
5270MHz

PSD

11/04/2019

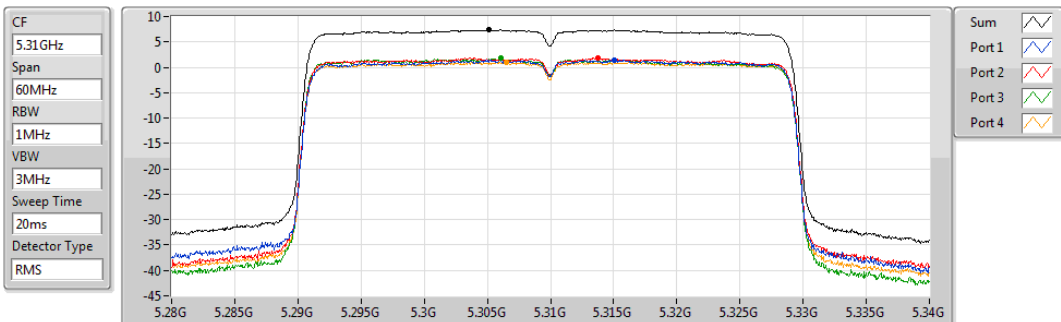


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.61	7.61	1.55	2.24	1.83	1.58

802.11ax HEW40_Nss1,(MCS0)_4TX
5310MHz

PSD

11/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	7.34	1.45	1.80	1.75	0.97

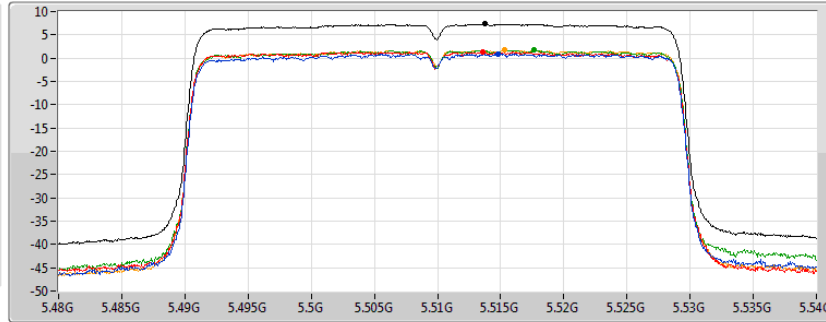
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

11/04/2019

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.33	7.33	0.92	1.35	1.69	1.68

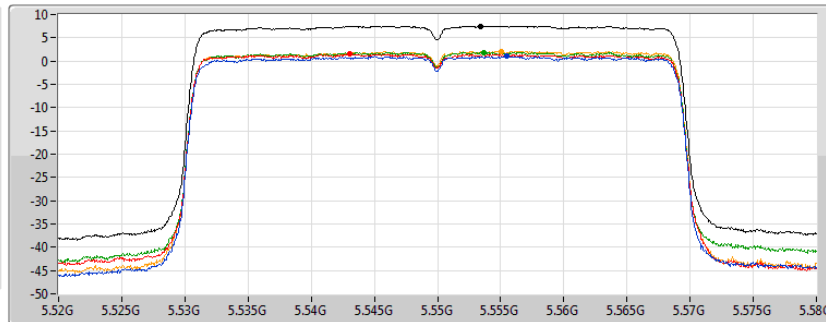
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

10/04/2019

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.52	7.52	0.98	1.50	1.89	2.12

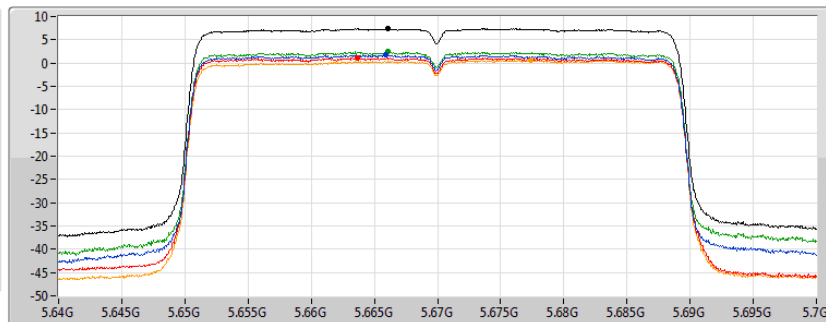
802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

10/04/2019

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



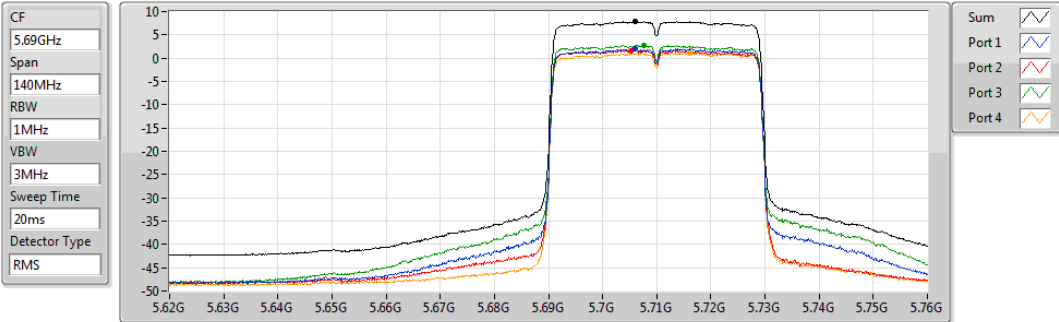
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.39	7.39	1.72	1.07	2.40	0.57

802.11ax HEW40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.47-5.725GHz

PSD

10/04/2019

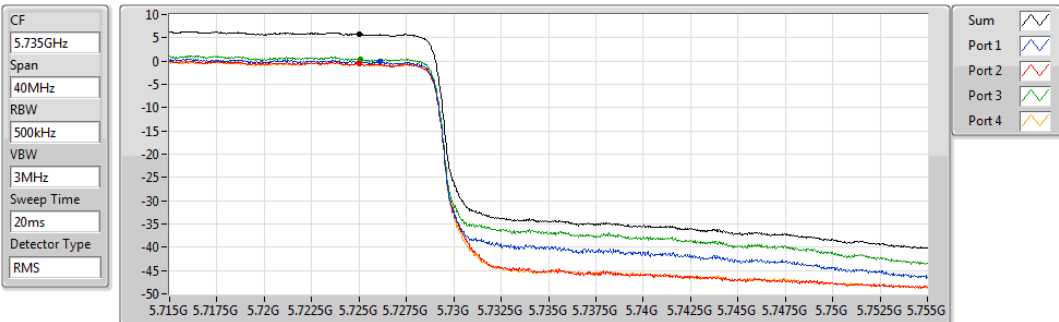


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.84	7.84	2.00	1.63	2.75	1.12

802.11ax HEW40_Nss1,(MCS0)_4TX
5710MHz Straddle 5.725-5.85GHz

PSD

10/04/2019

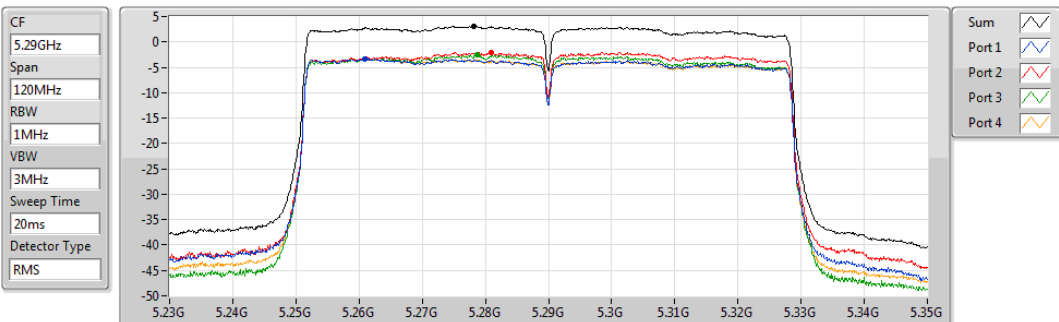


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
5.76	5.76	-0.09	-0.52	0.49	-0.61

802.11ac VHT80_Nss1,(MCS0)_4TX
5290MHz

PSD

11/04/2019



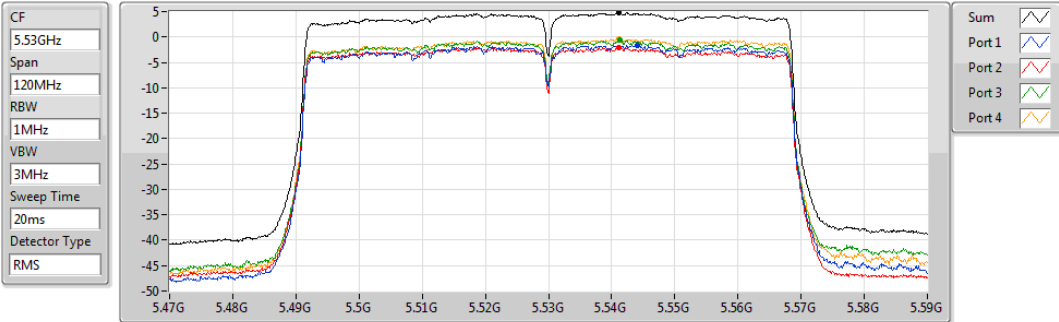
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.01	3.01	-3.33	-2.07	-2.60	-3.29

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

11/04/2019



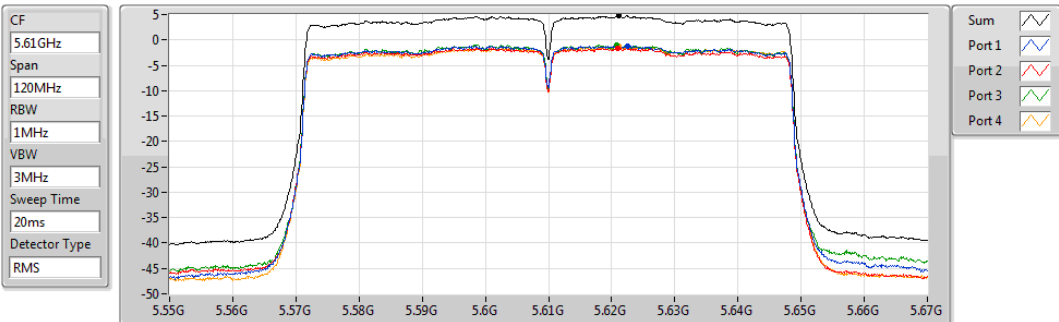
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.82	4.82	-1.64	-2.12	-0.66	-0.42

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

11/04/2019



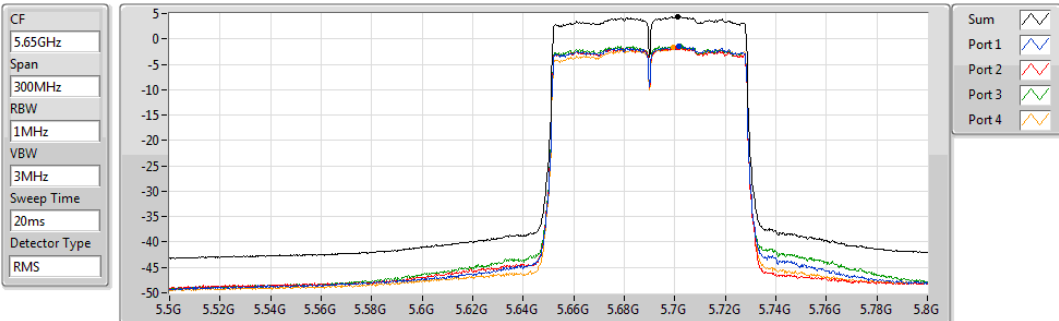
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.70	4.70	-1.14	-1.58	-1.02	-1.32

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

11/04/2019



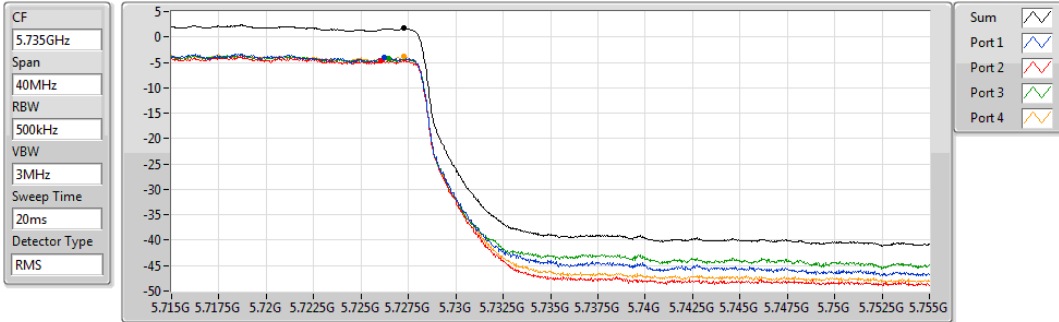
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.36	4.36	-1.55	-1.74	-1.34	-1.76

802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

11/04/2019



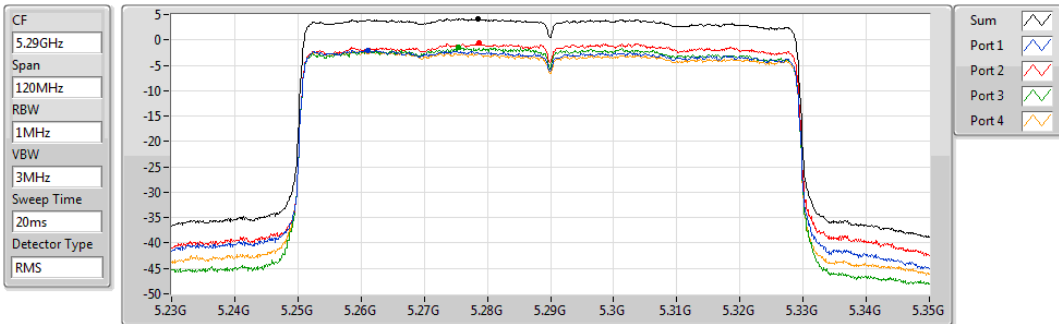
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.72	1.72	-3.97	-4.64	-4.23	-3.86

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

11/04/2019



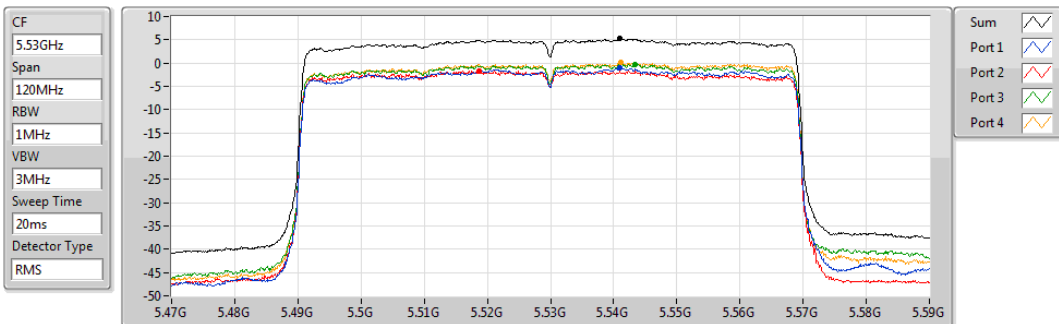
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.18	4.18	-2.02	-0.58	-1.46	-2.20

802.11ax HEW80_Nss1,(MCS0)_4TX

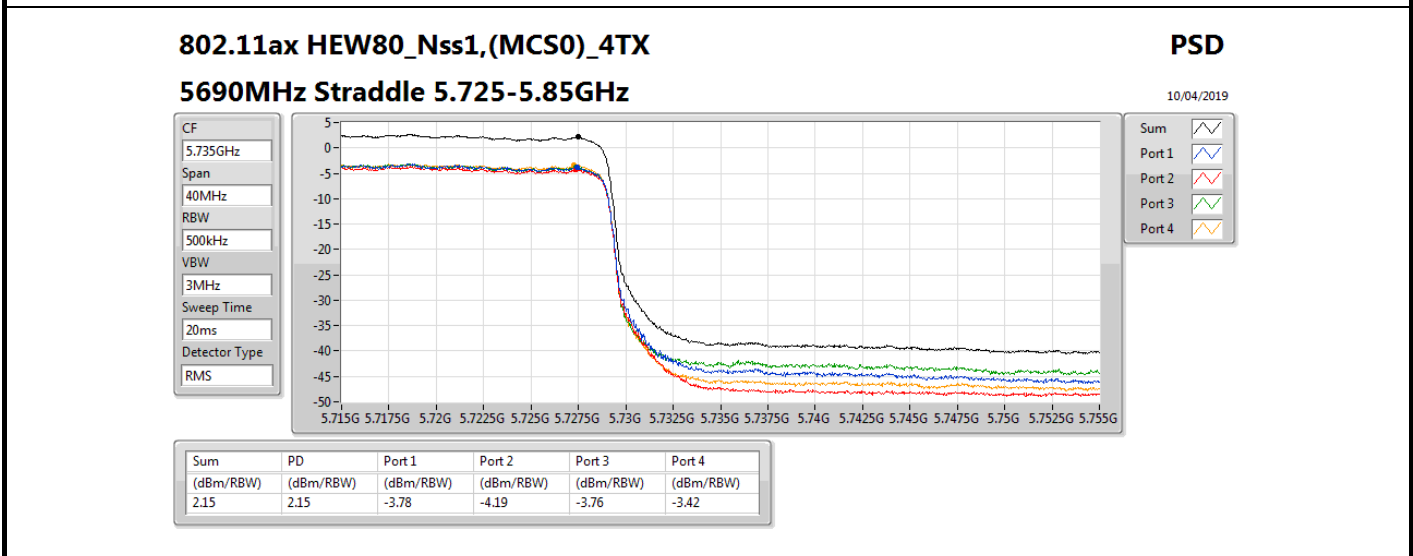
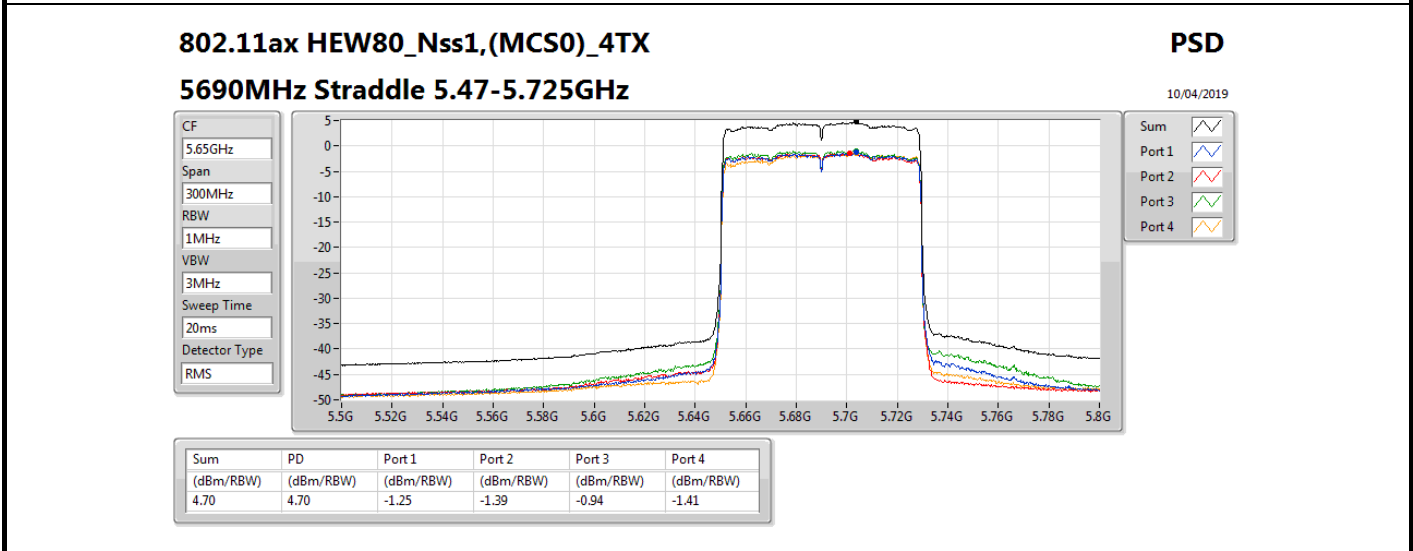
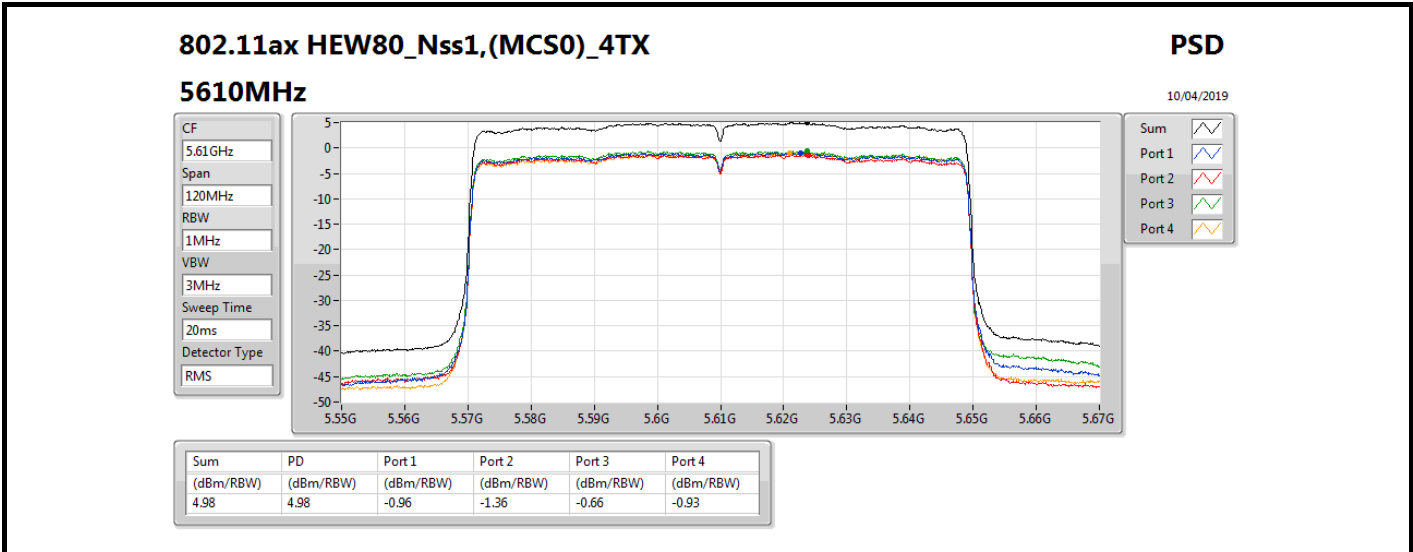
PSD

5530MHz

10/04/2019



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	-1.00	-1.67	-0.27	0.11

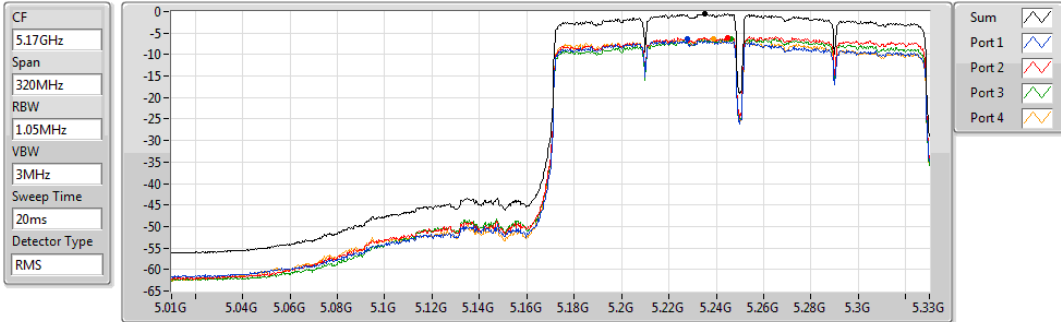


802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

15/07/2019



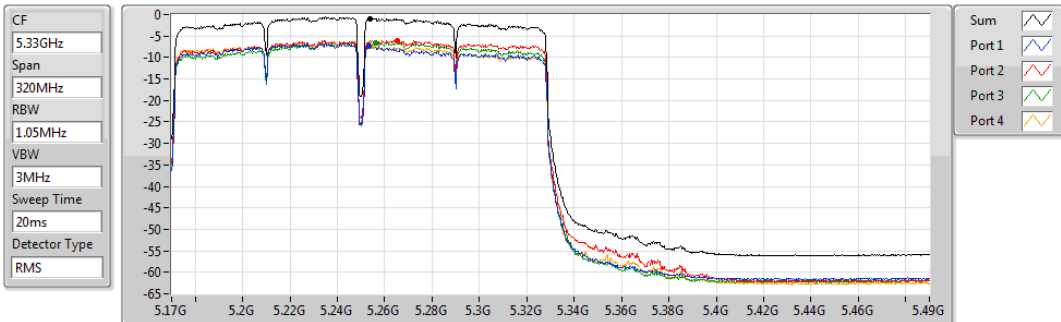
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.48	-0.48	-6.45	-6.01	-6.37	-6.37

802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

15/07/2019



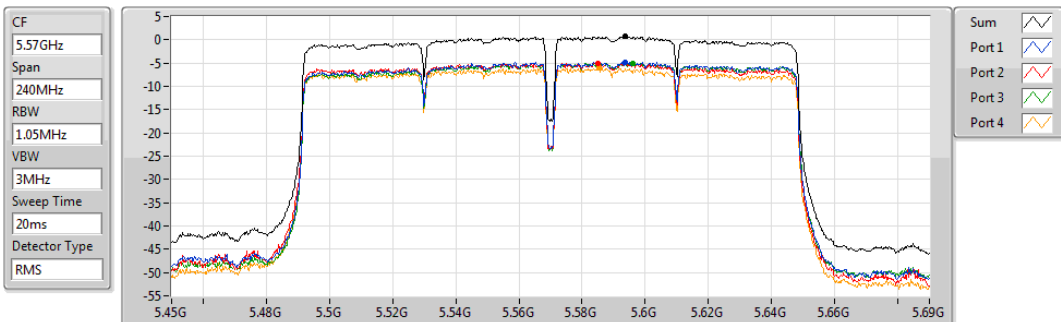
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.94	-0.94	-7.39	-6.02	-6.57	-7.27

802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5570MHz

15/07/2019



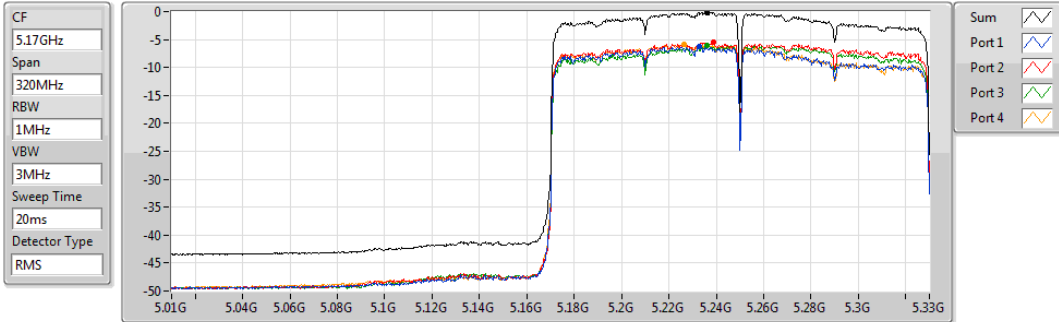
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.70	0.70	-4.77	-4.97	-5.00	-5.94

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

11/04/2019



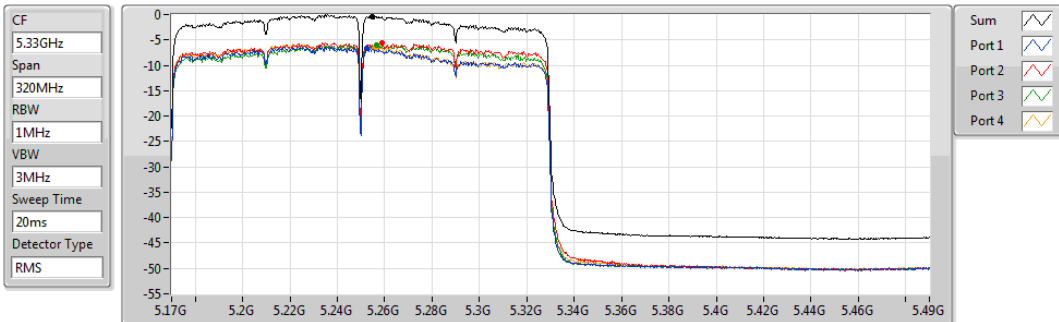
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.11	-0.11	-6.27	-5.52	-6.03	-5.95

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

11/04/2019



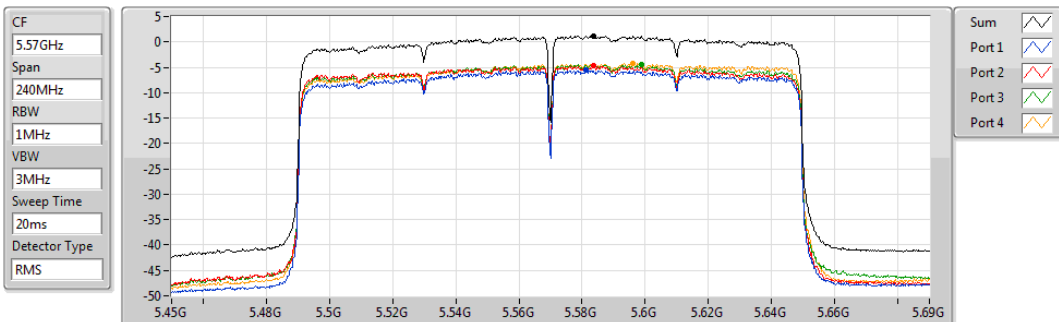
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.34	-0.34	-6.72	-5.67	-6.00	-6.37

802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5570MHz

10/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.15	1.15	-5.56	-4.76	-4.47	-4.15

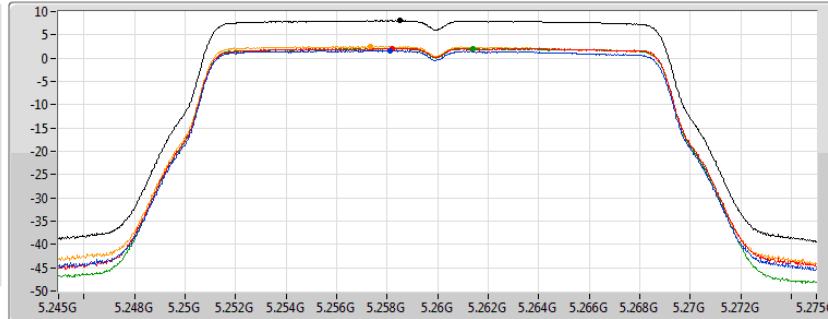
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

11/04/2019

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.05	8.05	1.65	2.13	2.10	2.51

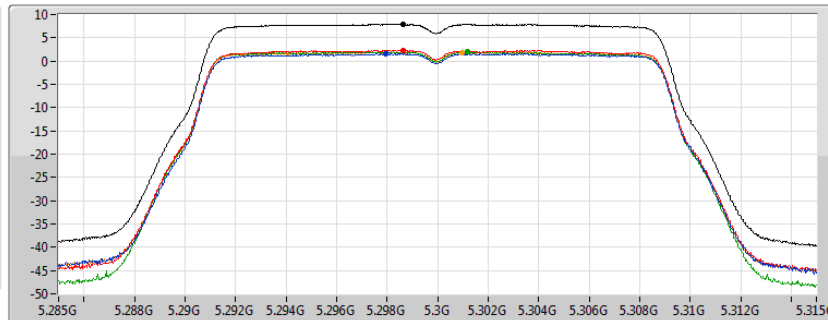
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

11/04/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.90	7.90	1.58	2.31	1.96	1.90

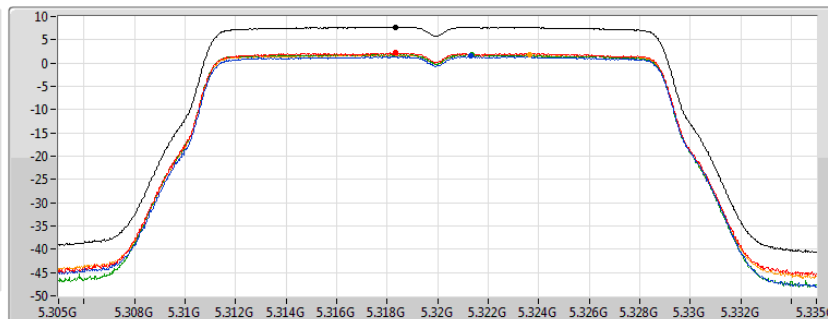
802.11ac VHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

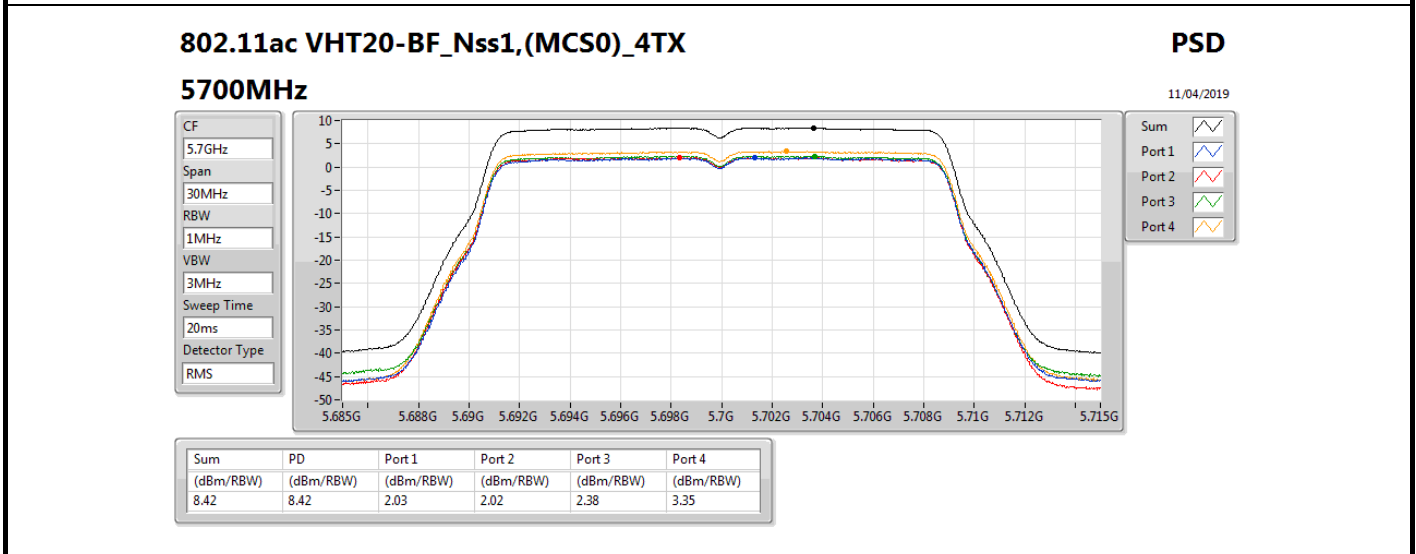
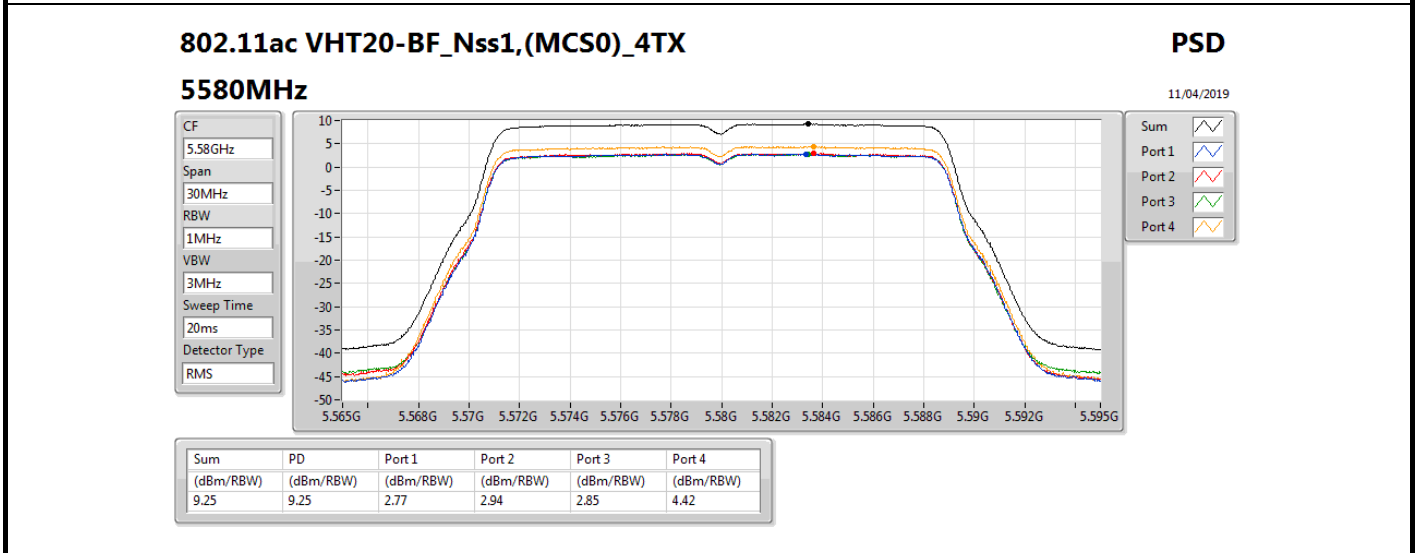
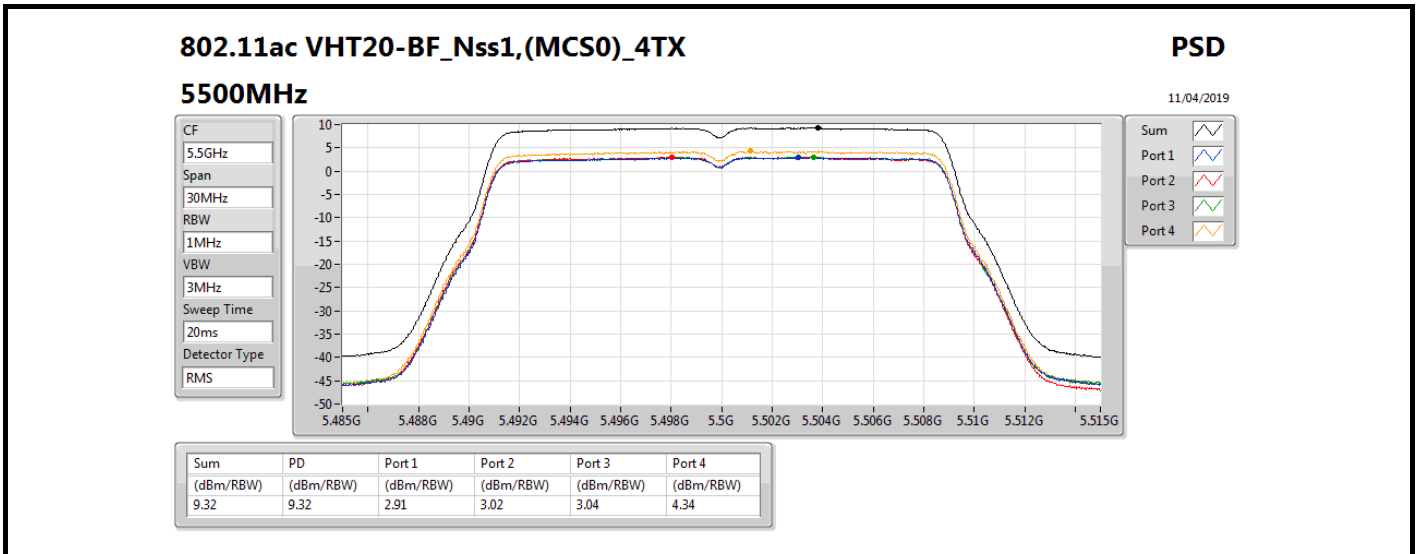
11/04/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

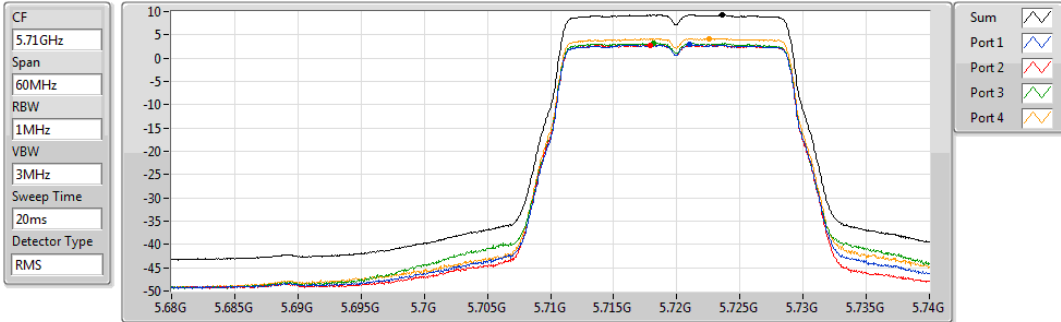
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.77	7.77	1.45	2.19	1.86	1.78



802.11ac VHT20-BF_Nss1,(MCS0)_4TX
5720MHz Straddle 5.47-5.725GHz

PSD

11/04/2019

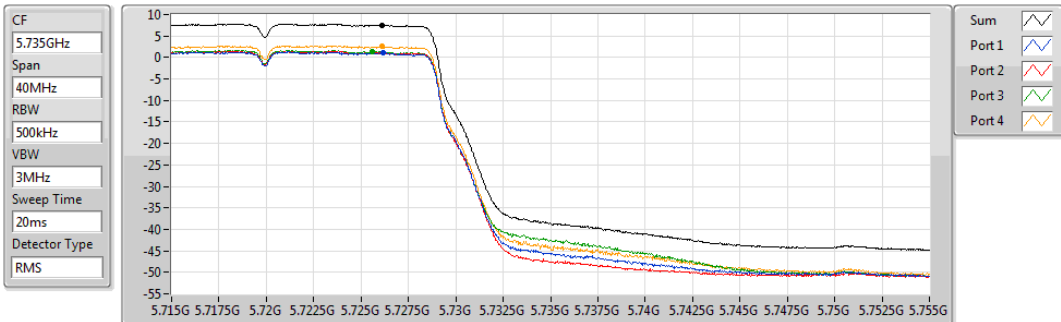


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.28	9.28	2.90	2.84	3.16	4.22

802.11ac VHT20-BF_Nss1,(MCS0)_4TX
5720MHz Straddle 5.725-5.85GHz

PSD

11/04/2019

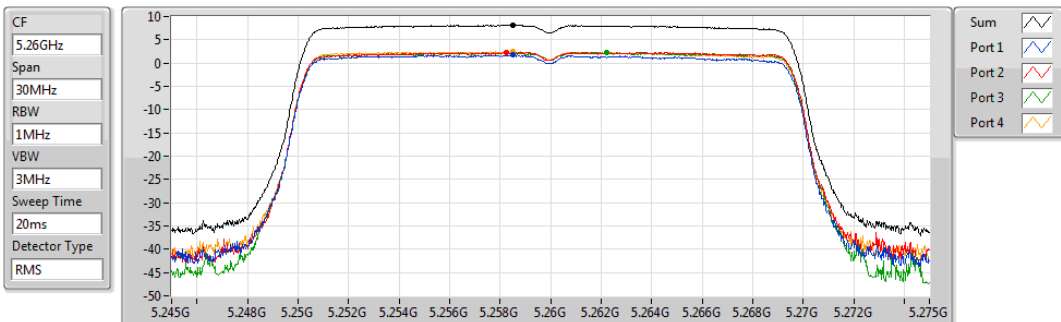


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.53	7.53	1.07	1.11	1.37	2.54

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5260MHz

PSD

11/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.13	8.13	1.73	2.25	2.30	2.39

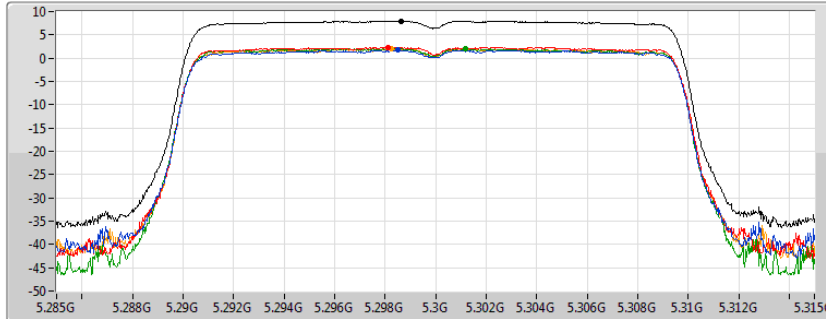
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

11/04/2019

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.93	7.93	1.70	2.33	2.08	1.93

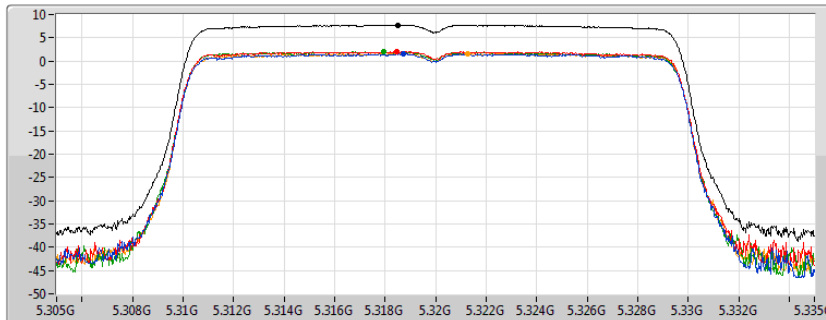
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

11/04/2019

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.74	7.74	1.53	2.07	1.98	1.64

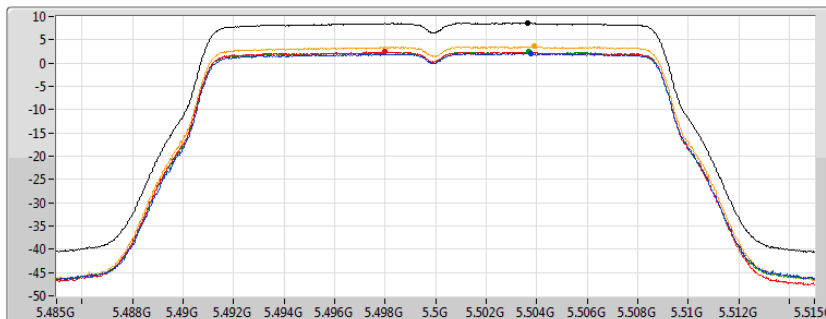
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

11/04/2019

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.61	8.61	2.10	2.41	2.42	3.56

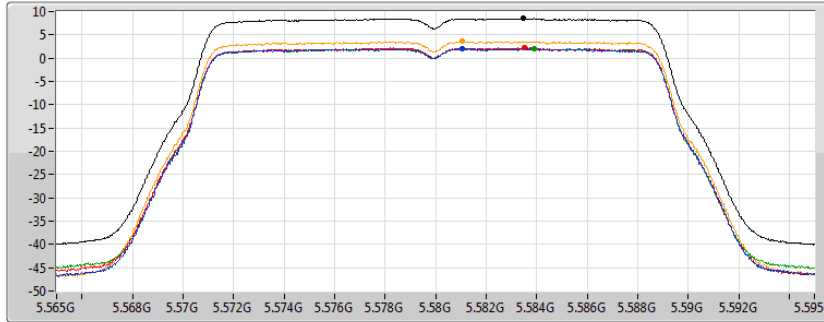
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

11/04/2019

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.49	8.49	2.02	2.23	2.14	3.58

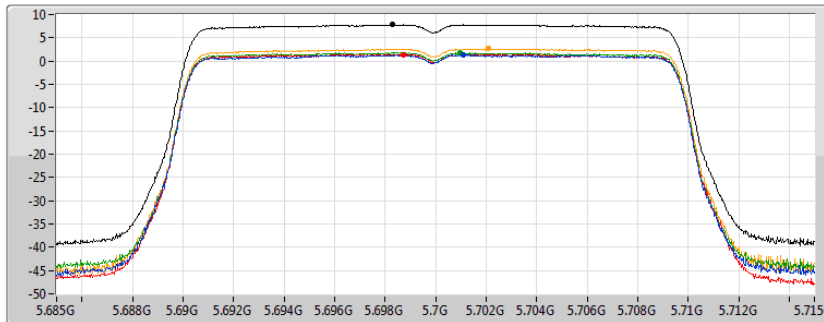
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

11/04/2019

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.78	7.78	1.39	1.43	1.82	2.66

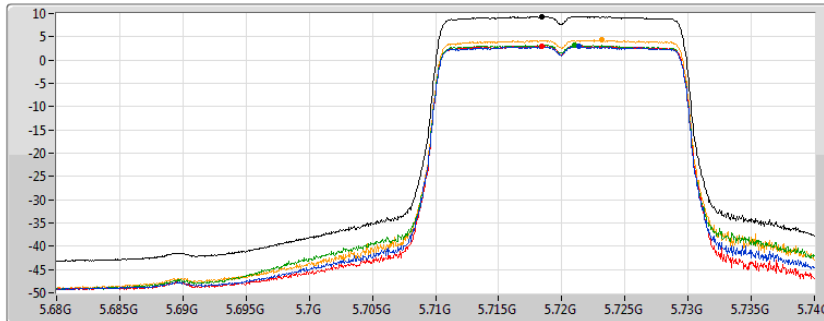
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/04/2019

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

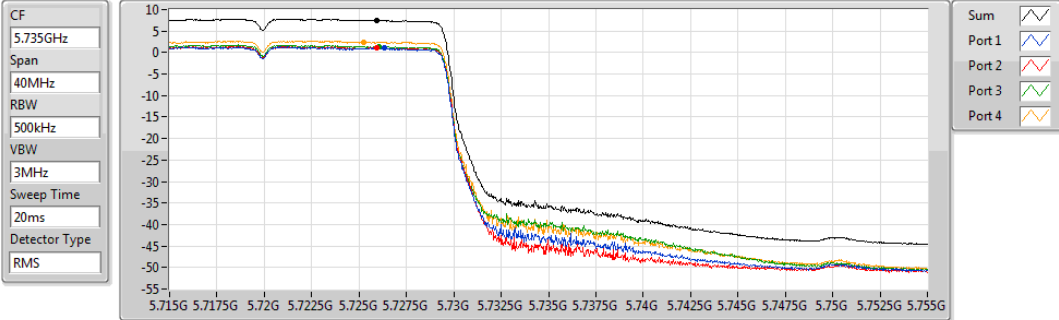
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.31	9.31	2.92	2.96	3.20	4.27

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

11/04/2019



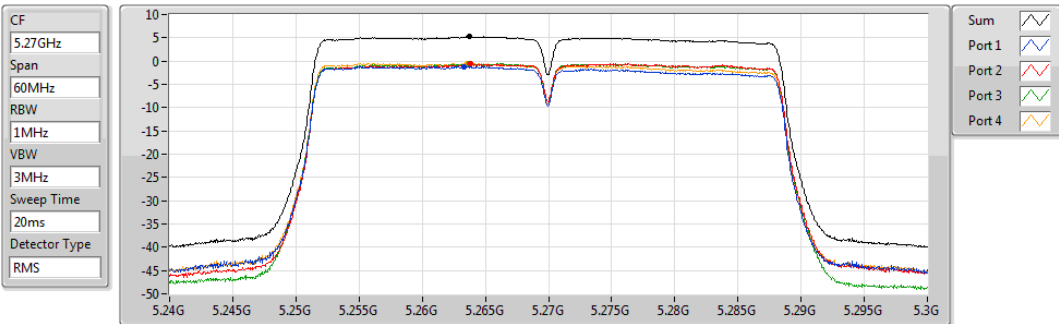
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.55	7.55	1.05	1.09	1.38	2.47

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

11/04/2019



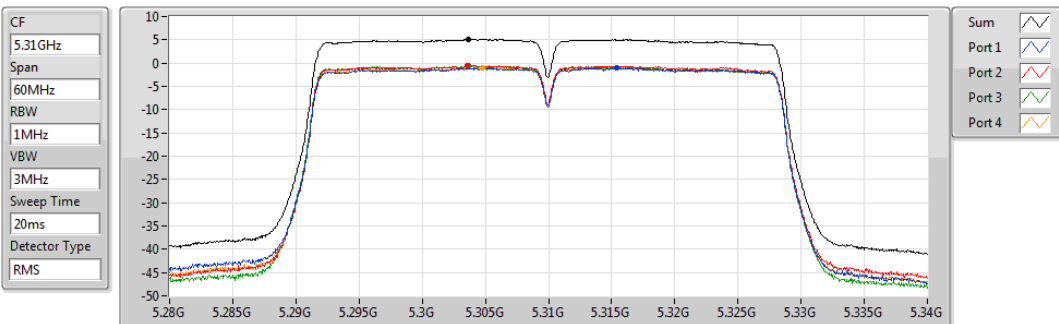
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.25	5.25	-1.22	-0.58	-0.50	-0.51

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

11/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-1.06	-0.56	-0.62	-1.05

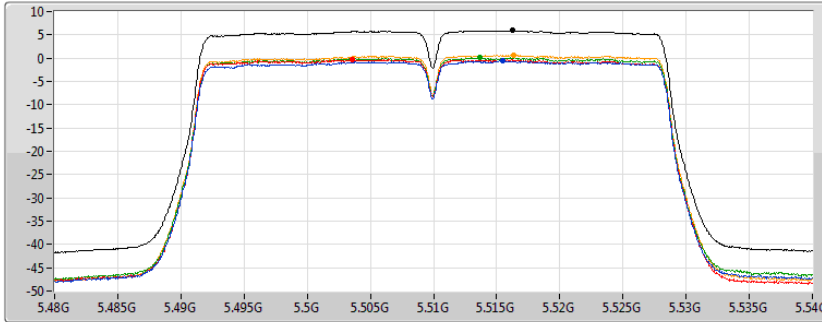
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

11/04/2019

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.92	5.92	-0.65	-0.21	0.09	0.69

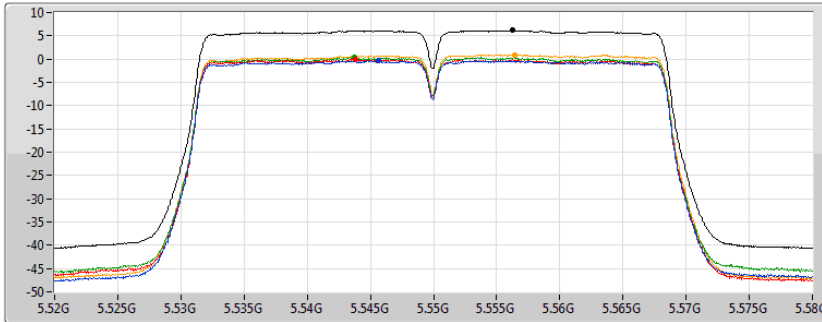
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

11/04/2019

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.15	6.15	-0.35	-0.09	0.39	0.95

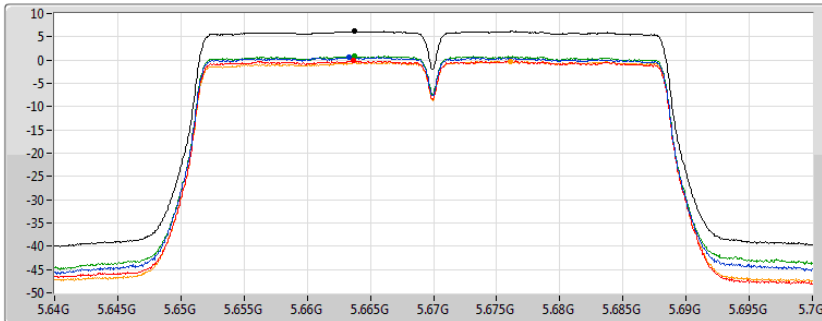
802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

11/04/2019

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

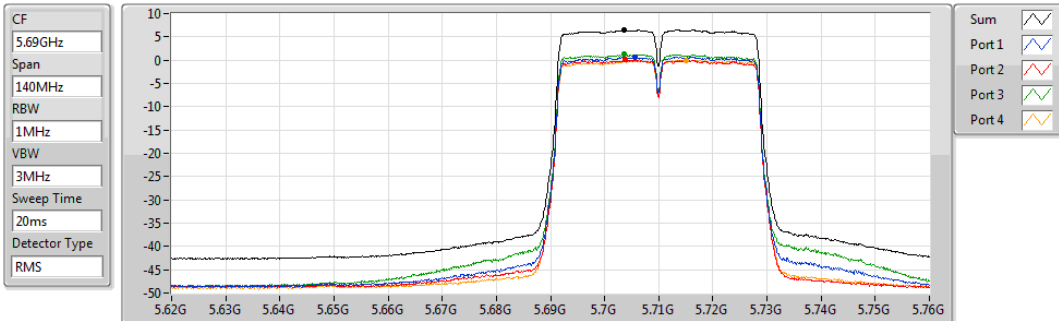
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.22	6.22	0.65	-0.10	0.87	-0.30

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

11/04/2019



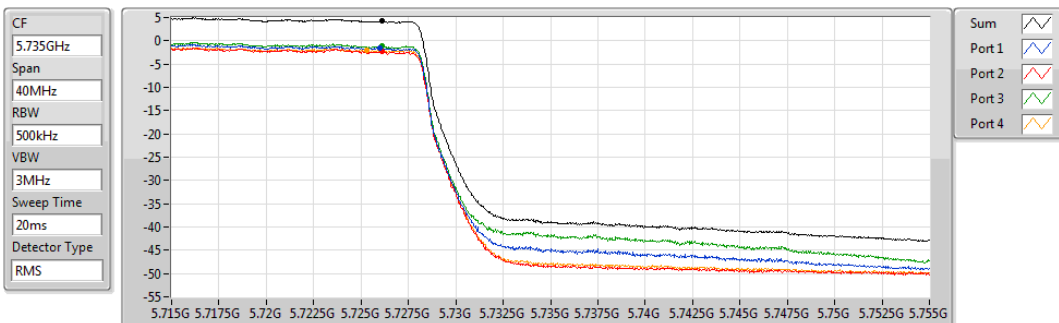
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.52	6.52	0.74	0.13	1.34	0.01

802.11ac VHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

11/04/2019



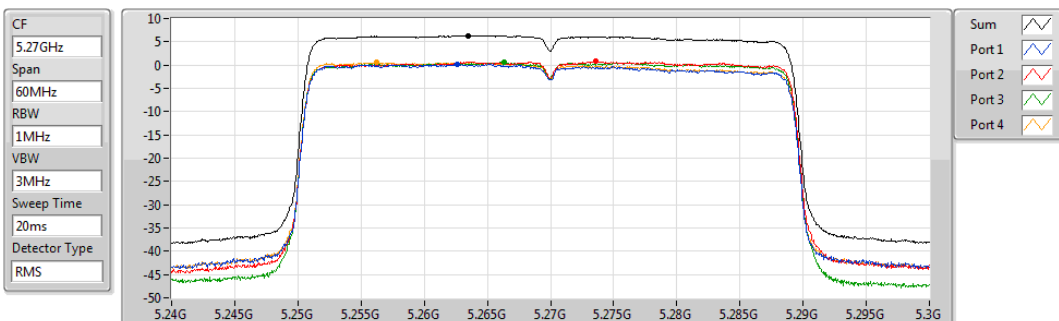
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.24	4.24	-1.55	-2.32	-1.21	-2.05

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

11/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.33	6.33	0.16	0.86	0.66	0.52

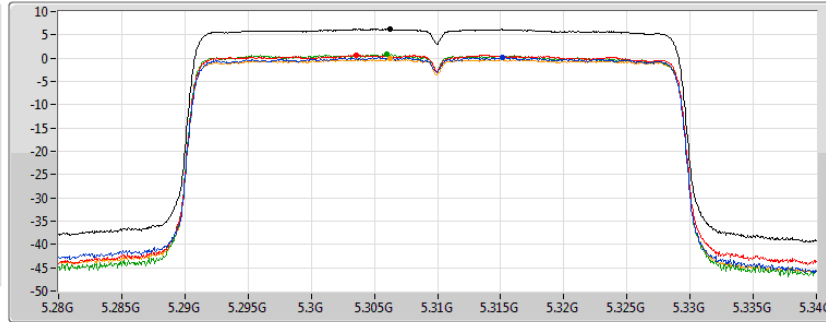
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

11/04/2019

CF 5.31GHz
 Span 60MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 20ms
 Detector Type RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.24	6.24	0.18	0.68	0.85	-0.19

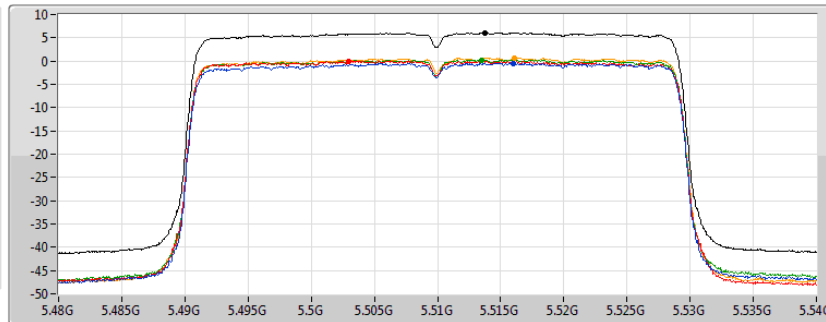
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

10/04/2019

CF 5.51GHz
 Span 60MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 20ms
 Detector Type RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.08	6.08	-0.43	-0.01	0.25	0.69

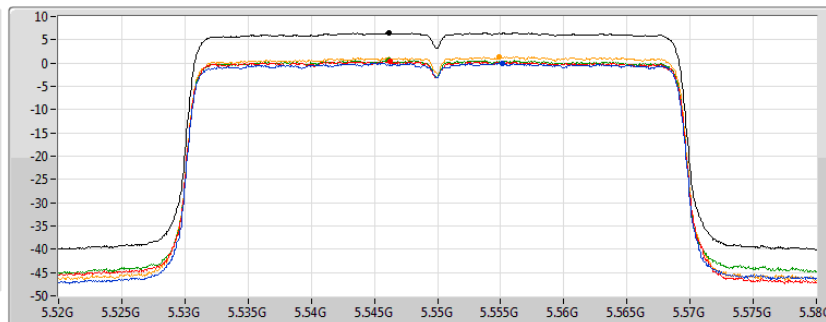
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

10/04/2019

CF 5.55GHz
 Span 60MHz
 RBW 1MHz
 VBW 3MHz
 Sweep Time 20ms
 Detector Type RMS



Sum
 Port 1
 Port 2
 Port 3
 Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.48	6.48	-0.01	0.32	0.61	1.39

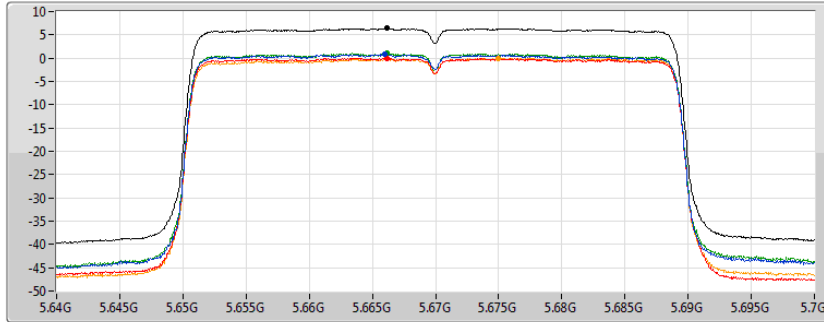
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

10/04/2019

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.43	6.43	0.80	-0.03	1.08	0.01

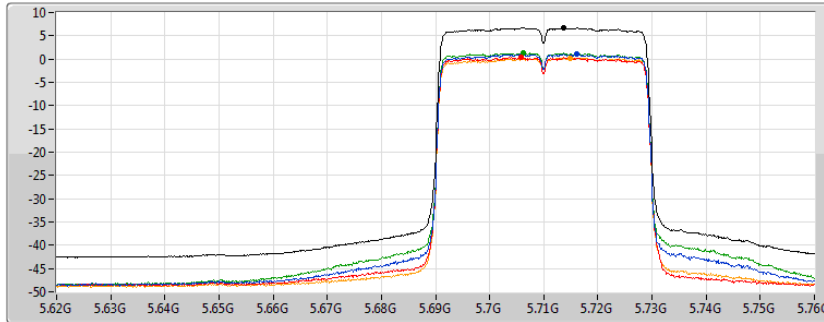
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

10/04/2019

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	1.05	0.36	1.26	0.18

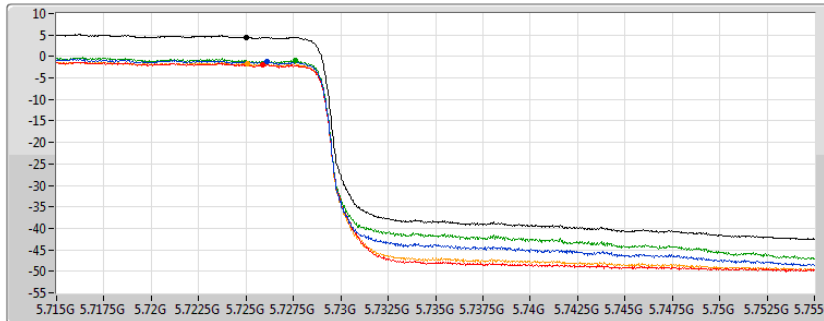
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

10/04/2019

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

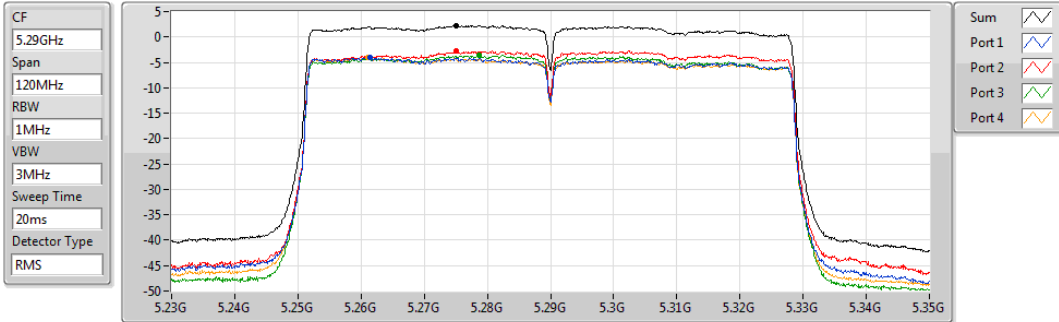
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.50	4.50	-1.27	-1.87	-0.96	-1.57

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

11/04/2019



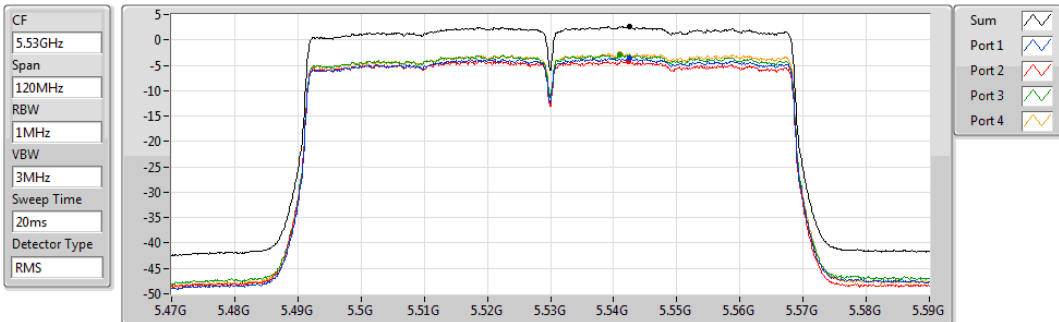
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.27	2.27	-4.00	-2.78	-3.56	-4.01

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

11/04/2019



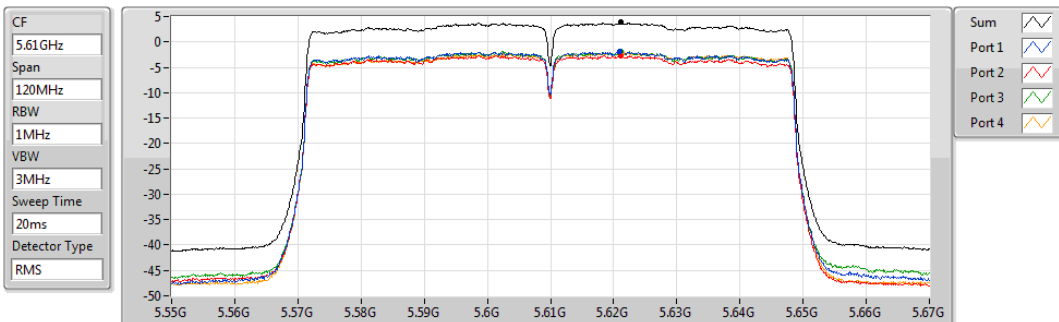
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.67	2.67	-3.54	-4.17	-2.95	-2.70

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

11/04/2019



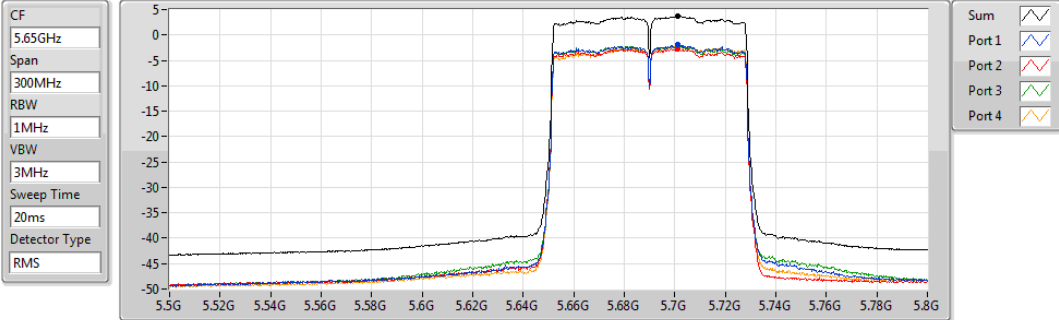
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.82	3.82	-1.93	-2.65	-1.87	-2.12

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

11/04/2019



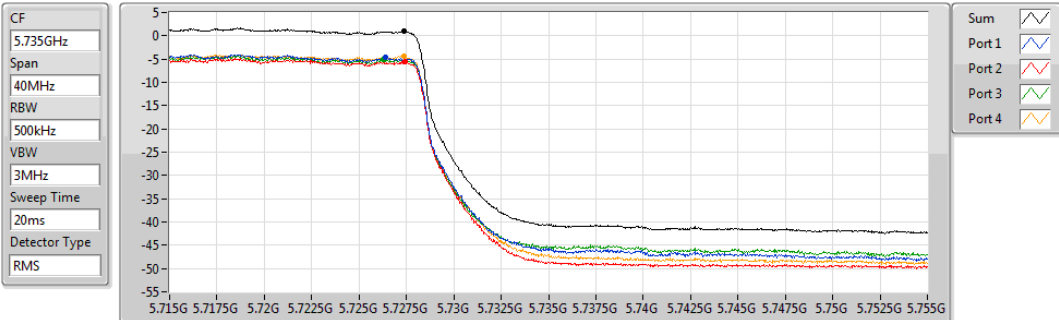
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.76	3.76	-1.84	-2.80	-2.12	-2.13

802.11ac VHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

11/04/2019



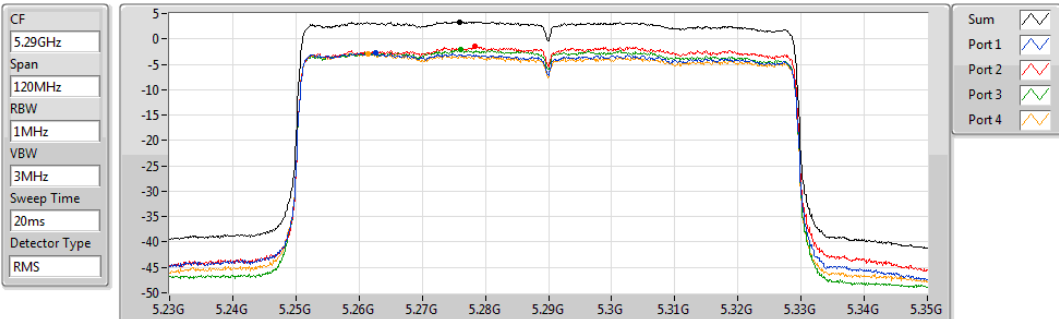
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02	-4.72	-5.58	-5.18	-4.37

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

11/04/2019



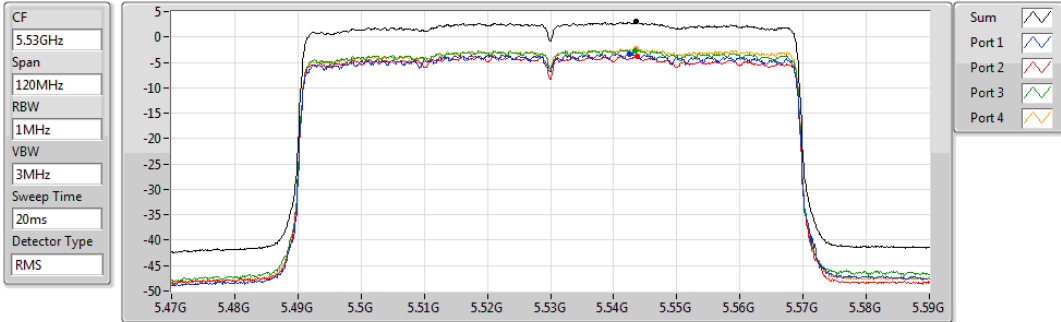
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.38	3.38	-2.84	-1.52	-2.17	-2.86

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

11/04/2019



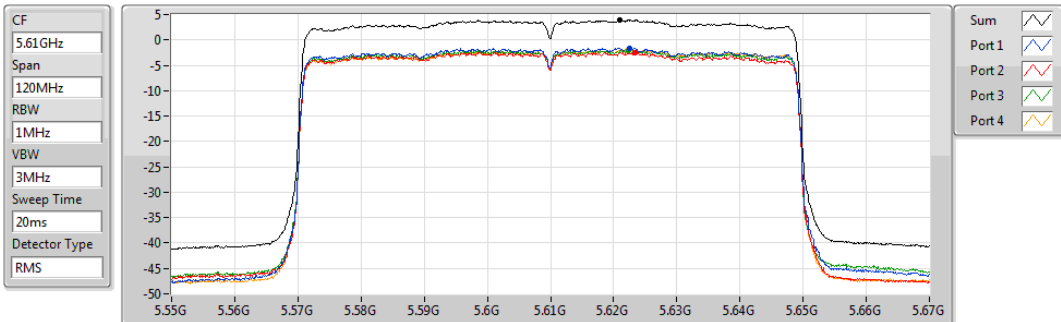
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.97	2.97	-3.29	-3.79	-2.65	-2.35

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

11/04/2019



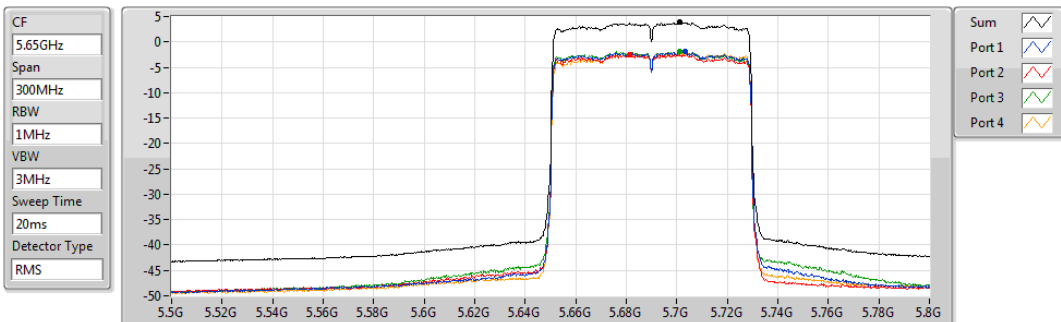
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.95	3.95	-1.65	-2.49	-2.08	-2.02

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

11/04/2019



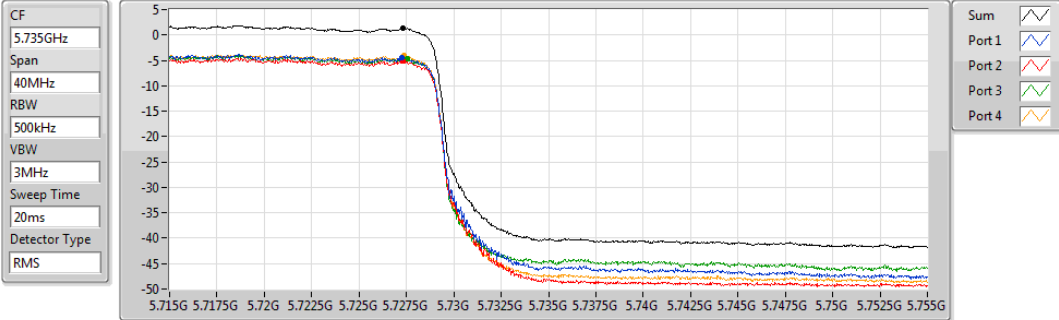
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.87	3.87	-1.93	-2.52	-1.85	-2.05

802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

11/04/2019



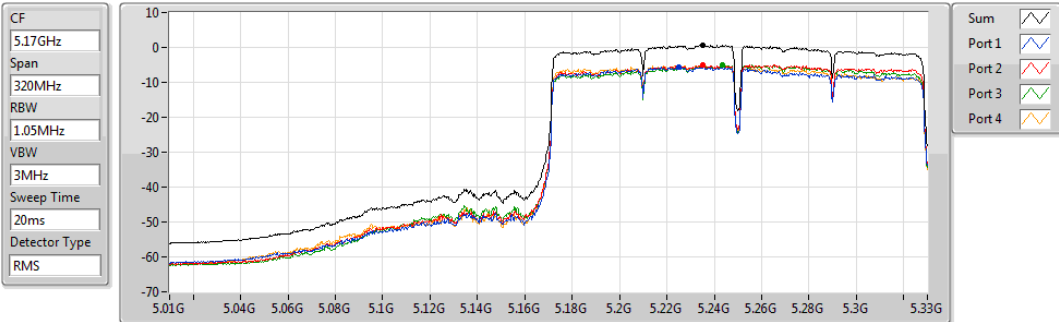
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
1.29	1.29	-4.46	-5.13	-4.59	-4.11

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

15/07/2019



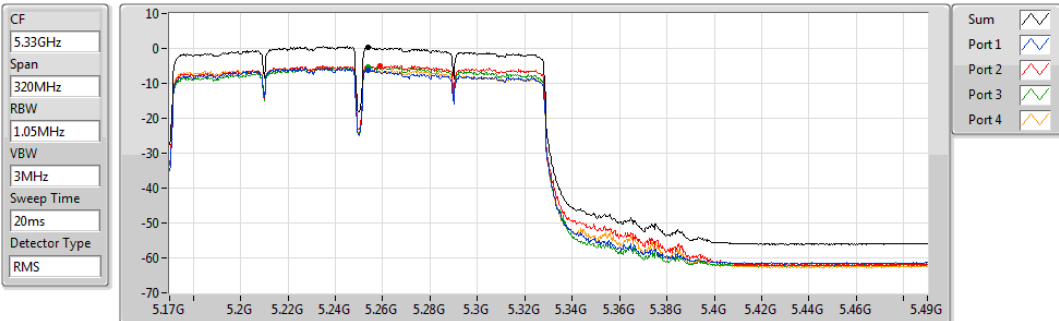
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
0.67	0.67	-5.75	-4.96	-5.07	-5.06

802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

15/07/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
0.37	0.37	-6.14	-4.92	-5.32	-5.92

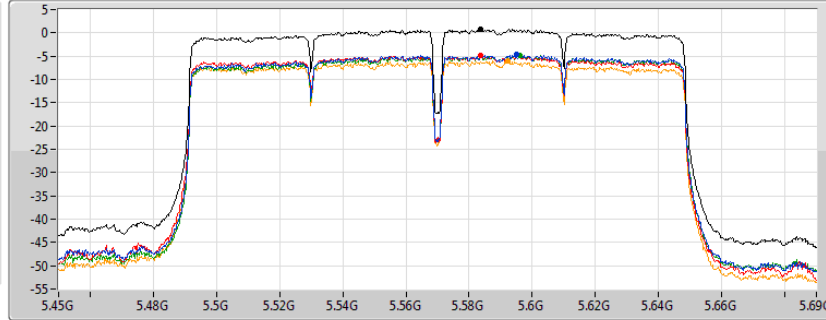
802.11ac VHT160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

15/07/2019

CF
5.57GHz
Span
240MHz
RBW
1.05MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.72	0.72	-4.71	-4.92	-4.85	-6.03

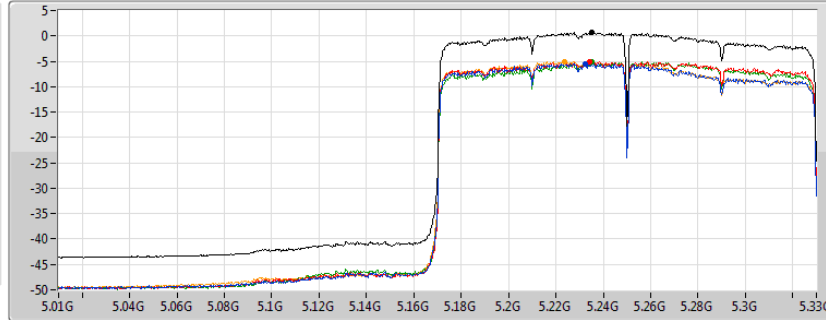
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

11/04/2019

CF
5.17GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.69	0.69	-5.45	-5.03	-5.20	-5.01

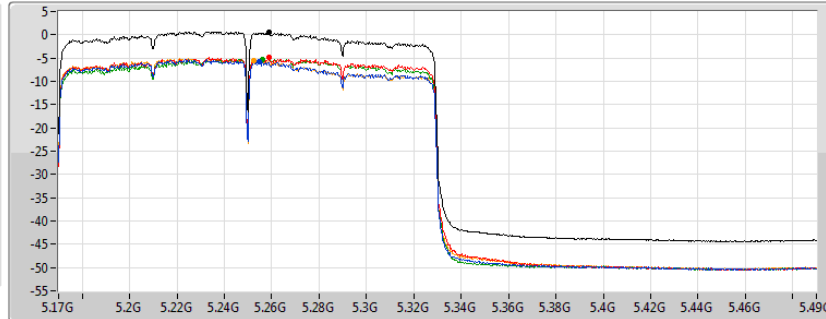
802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

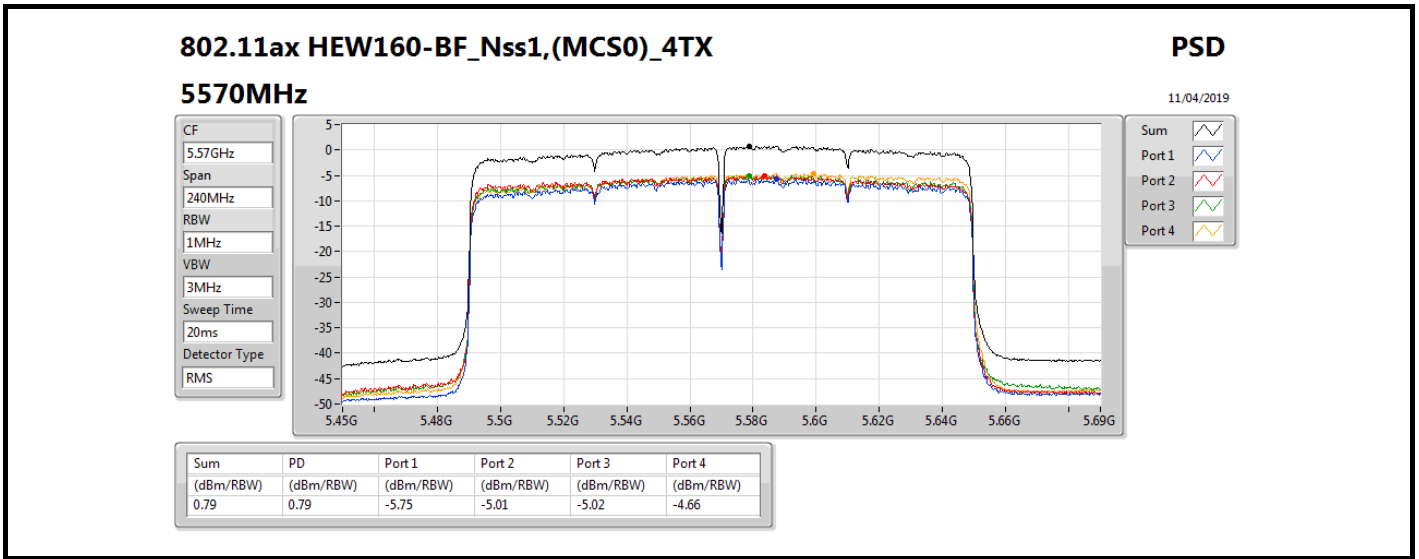
11/04/2019

CF
5.33GHz
Span
320MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



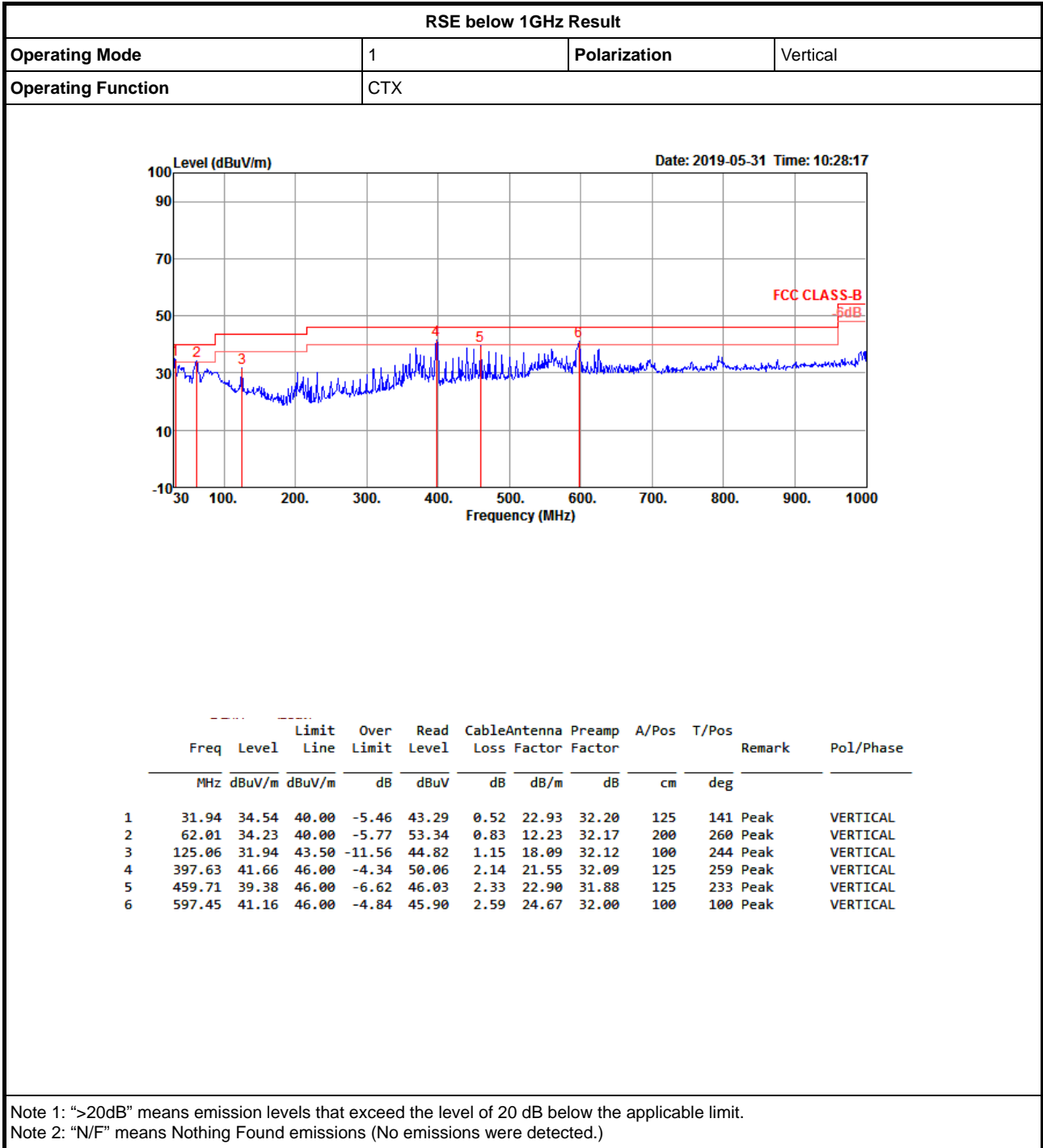
Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.48	0.48	-5.83	-4.83	-5.21	-5.50





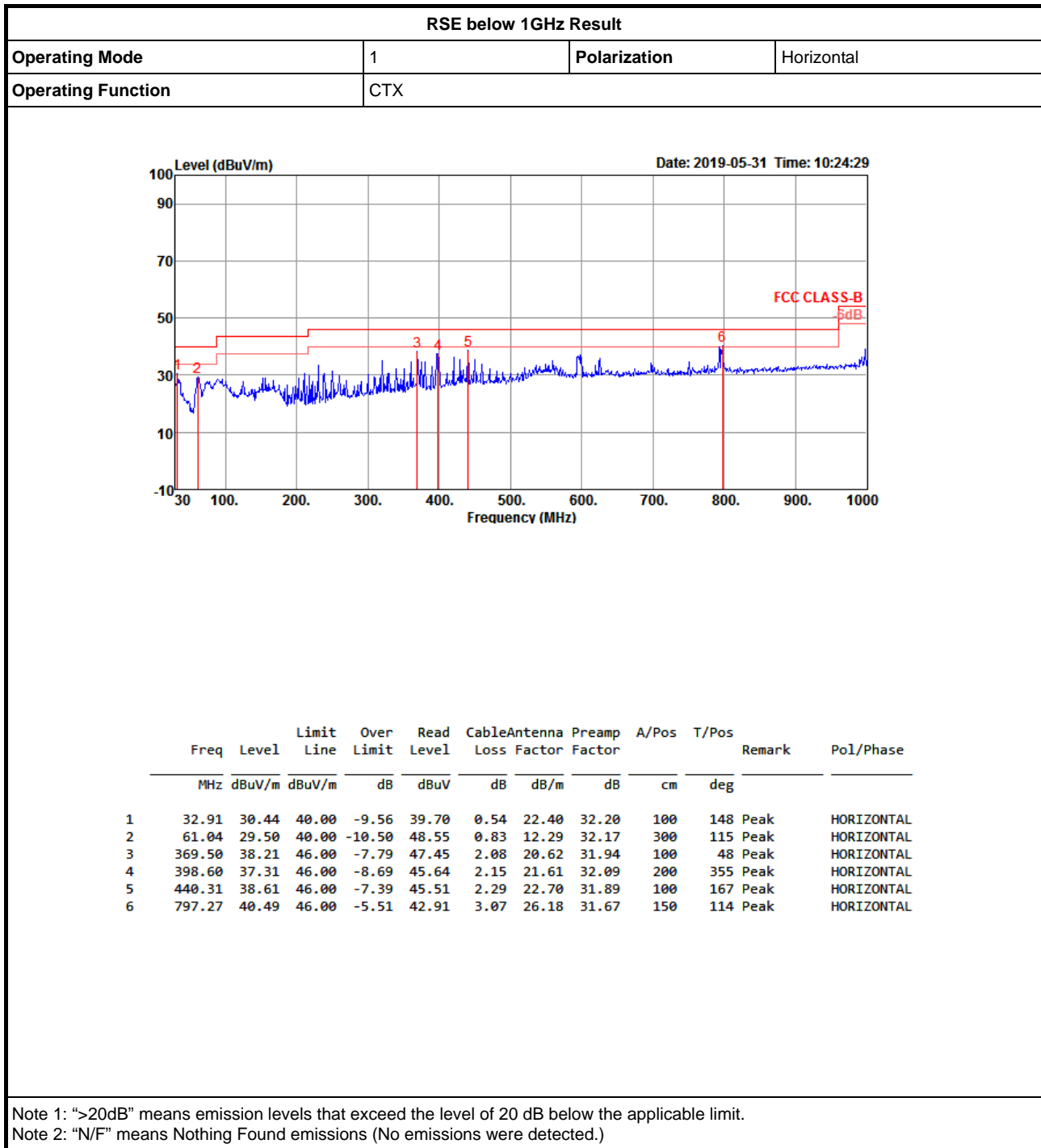
RSE below 1GHz Result





RSE below 1GHz Result

Appendix E.1





RSE TX above 1GHz Result

Appendix E.2

Summary

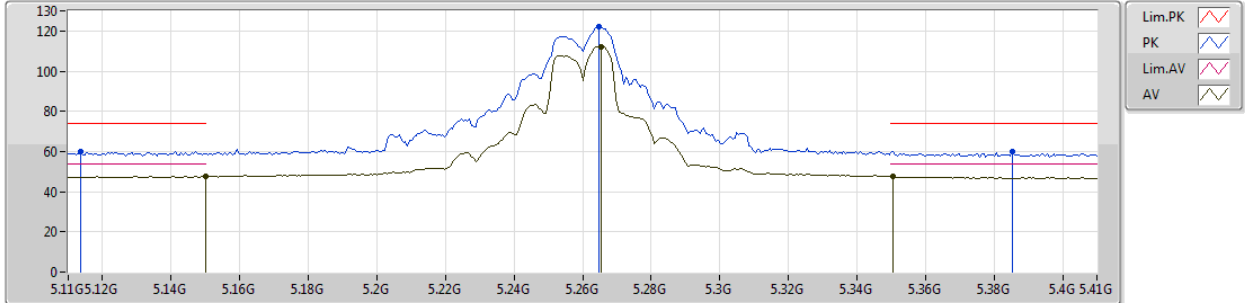
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	PK	5.4688G	68.17	68.20	-0.03	8.56	3	Vertical	43	1.82	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5260MHz_TX



EUT Y_4TX
 Setting 91
 02-N-2-10
 FSP(100142)

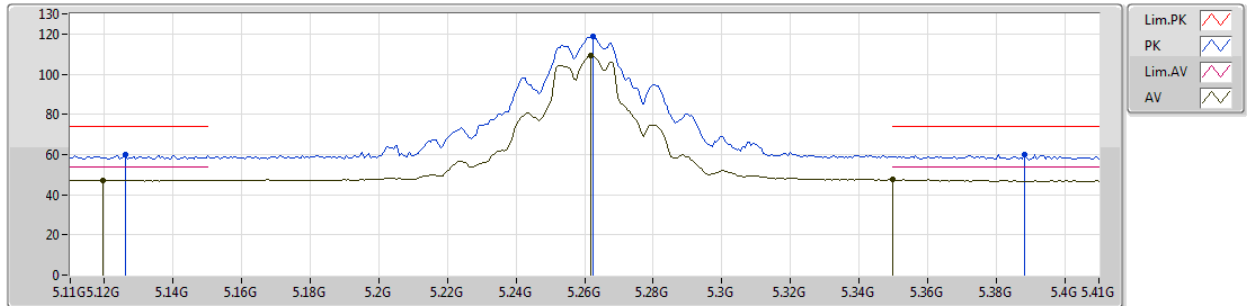
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1136G	59.94	74.00	-14.06	7.96	3	Vertical	150	1.53	-
AV	5.15G	47.59	54.00	-6.41	8.04	3	Vertical	150	1.53	-
PK	5.2648G	121.92	Inf	-Inf	8.26	3	Vertical	150	1.53	-
AV	5.2654G	112.17	Inf	-Inf	8.26	3	Vertical	150	1.53	-
PK	5.3854G	59.95	74.00	-14.05	8.42	3	Vertical	150	1.53	-
AV	5.3506G	47.53	54.00	-6.47	8.38	3	Vertical	150	1.53	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5260MHz_TX



EUT Y_4TX
 Setting 91
 02-N-2-10
 FSP(100142)

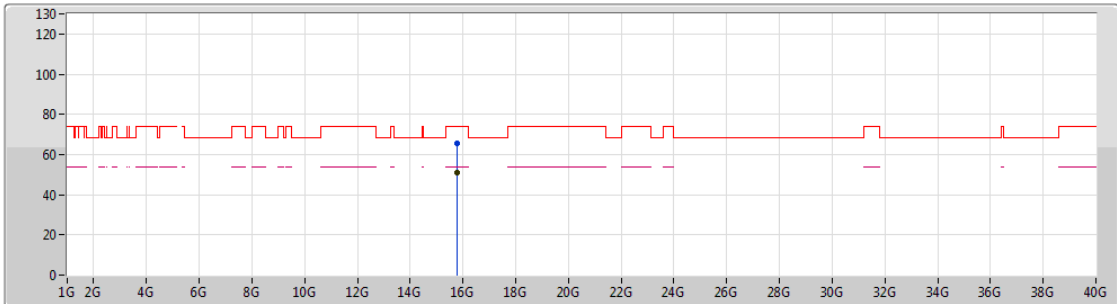
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1262G	60.04	74.00	-13.96	8.00	3	Horizontal	305	2.97	-
AV	5.1196G	47.27	54.00	-6.73	7.98	3	Horizontal	305	2.97	-
PK	5.2624G	118.60	Inf	-Inf	8.25	3	Horizontal	305	2.97	-
AV	5.2618G	109.28	Inf	-Inf	8.25	3	Horizontal	305	2.97	-
PK	5.3884G	60.23	74.00	-13.77	8.43	3	Horizontal	305	2.97	-
AV	5.35G	47.37	54.00	-6.63	8.38	3	Horizontal	305	2.97	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5260MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Y_4TX
 Setting 91
 02-N-2
 FSP(100142)

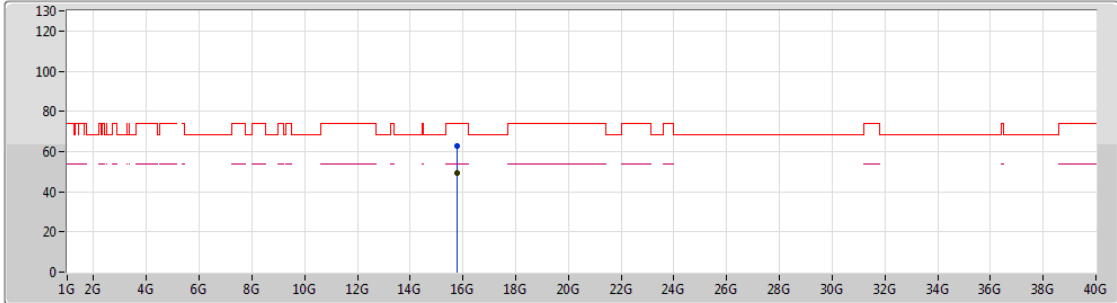
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
AV	15.779G	50.83	54.00	-3.17	15.52	3	Vertical	211	1.78	-
PK	15.7797G	65.29	74.00	-8.71	15.52	3	Vertical	211	1.78	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5260MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT Y_4TX
 Setting 91
 02-N-2
 FSP(100142)

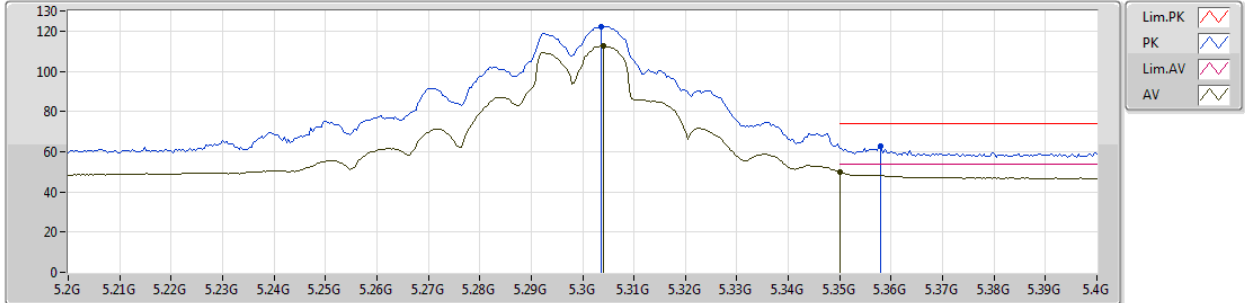
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.7777G	62.63	74.00	-11.37	15.52	3	Horizontal	289	1.74	-
AV	15.778G	49.19	54.00	-4.81	15.52	3	Horizontal	289	1.74	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5300MHz_TX



EUT_Y_4TX
Setting 96
02-N-2-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3036G	122.21	Inf	-Inf	8.31	3	Vertical	136	1.43	-
AV	5.304G	112.86	Inf	-Inf	8.31	3	Vertical	136	1.43	-
PK	5.358G	62.97	74.00	-11.03	8.38	3	Vertical	136	1.43	-
AV	5.35G	49.81	54.00	-4.19	8.38	3	Vertical	136	1.43	-



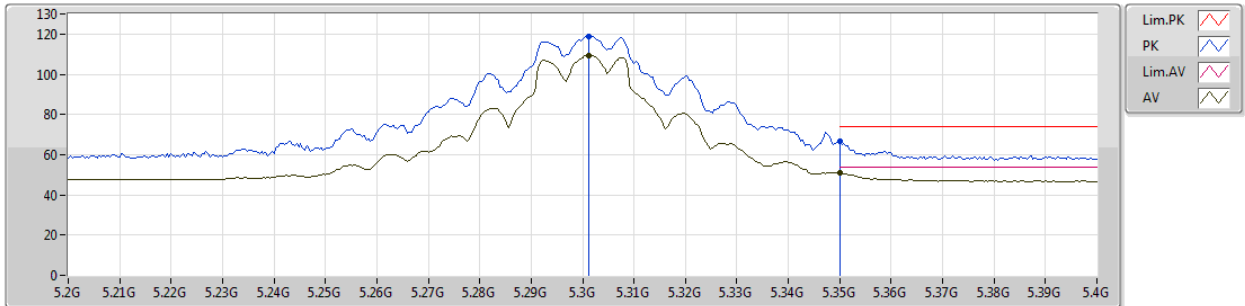
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5300MHz_TX



EUT_Y_4TX
Setting 96
02-N-2-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3012G	118.96	Inf	-Inf	8.31	3	Horizontal	304	2.92	-
AV	5.3012G	109.53	Inf	-Inf	8.31	3	Horizontal	304	2.92	-
PK	5.35G	66.57	74.00	-7.43	8.38	3	Horizontal	304	2.92	-
AV	5.35G	50.91	54.00	-3.09	8.38	3	Horizontal	304	2.92	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5300MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT Y_4TX
 Setting 96
 02-N-2
 FSP(100142)

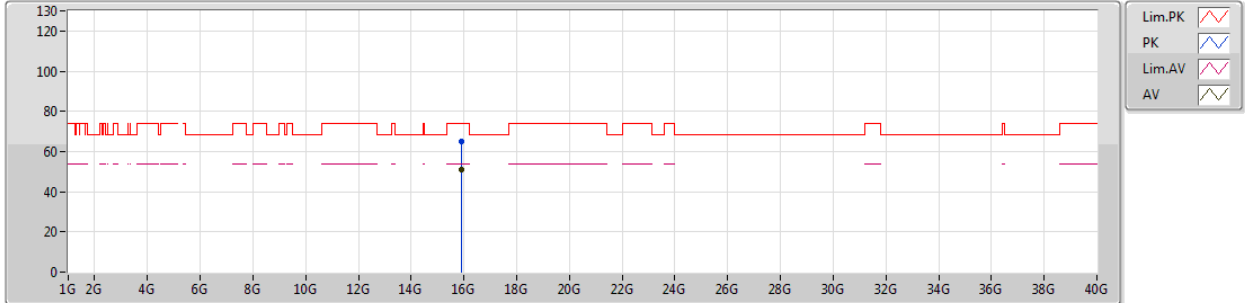
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.8944G	65.69	74.00	-8.31	15.24	3	Vertical	235	1.52	-
AV	15.8939G	50.82	54.00	-3.18	15.23	3	Vertical	235	1.52	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5300MHz_TX



EUT Y_4TX
Setting 96
02-N-2
FSP(100142)

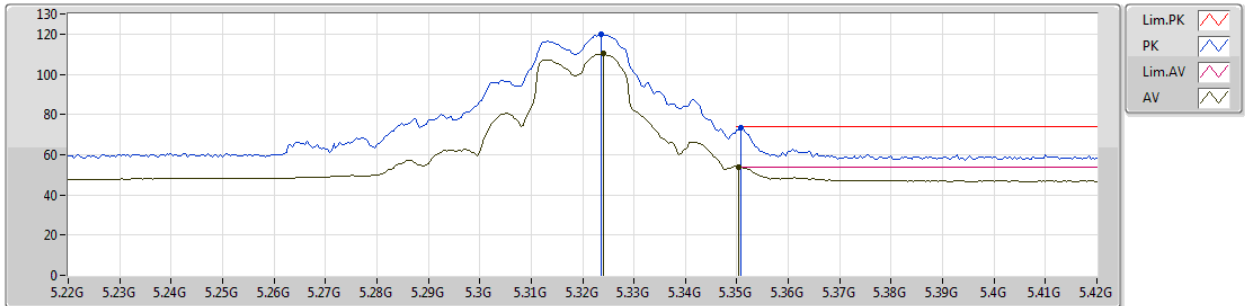
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.899G	65.17	74.00	-8.83	15.22	3	Horizontal	291	1.46	-
AV	15.8982G	50.99	54.00	-3.01	15.23	3	Horizontal	291	1.46	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5320MHz_TX



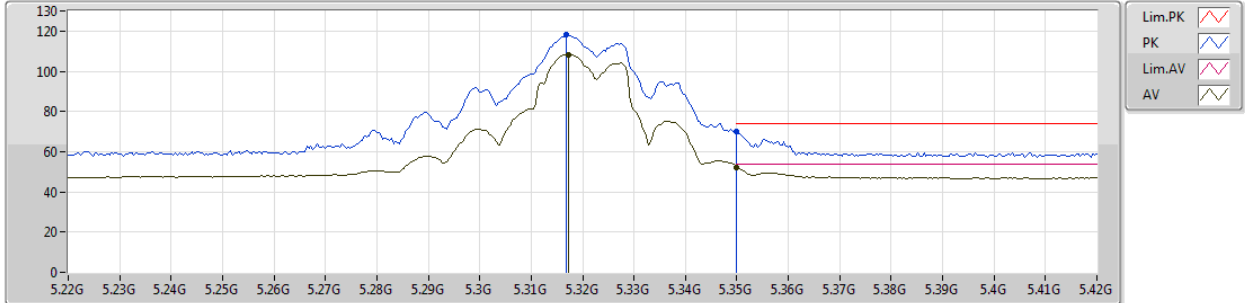
EUT_Y_4TX
Setting 87
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3236G	119.78	Inf	-Inf	8.34	3	Vertical	144	2.12	-
AV	5.324G	110.21	Inf	-Inf	8.34	3	Vertical	144	2.12	-
PK	5.3508G	73.48	74.00	-0.52	8.38	3	Vertical	144	2.12	-
AV	5.3504G	53.92	54.00	-0.08	8.38	3	Vertical	144	2.12	-

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5320MHz_TX



EUT_Y_4TX
Setting 87
02-M-1-10
FSP(100142)

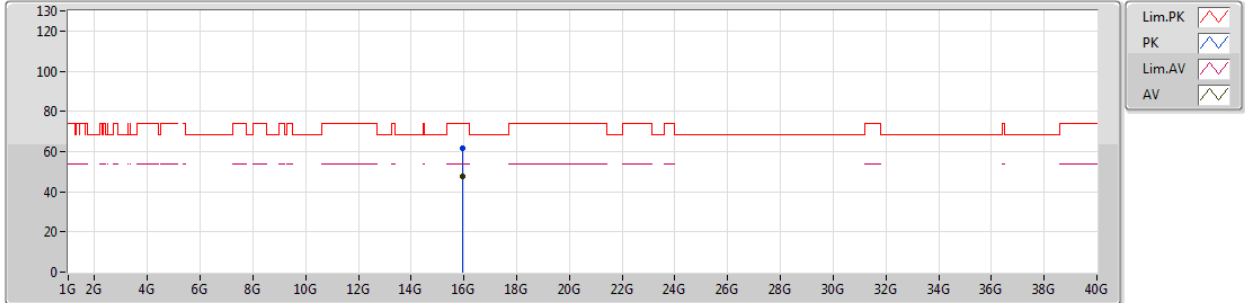
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3168G	118.02	Inf	-Inf	8.33	3	Horizontal	223	2.78	-
AV	5.3172G	108.18	Inf	-Inf	8.33	3	Horizontal	223	2.78	-
PK	5.35G	70.16	74.00	-3.84	8.38	3	Horizontal	223	2.78	-
AV	5.35G	52.38	54.00	-1.62	8.38	3	Horizontal	223	2.78	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5320MHz_TX



EUT_Y_4TX
Setting 87
02-M-1
FSP(100142)

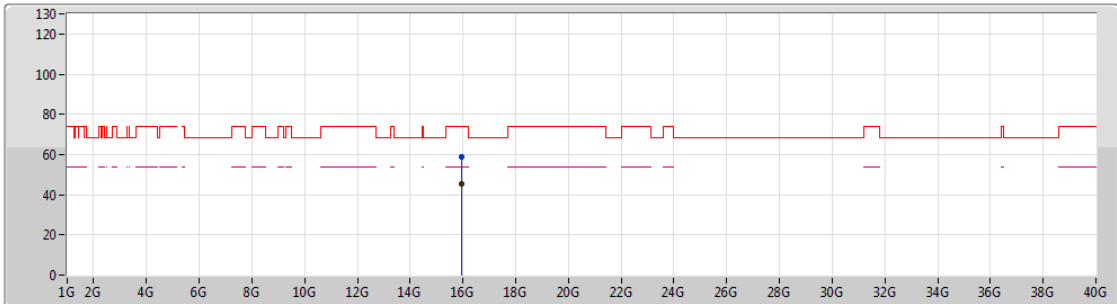
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.9591G	61.60	74.00	-12.40	15.06	3	Vertical	211	1.74	-
AV	15.9586G	47.41	54.00	-6.59	15.07	3	Vertical	211	1.74	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5320MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Y_4TX
 Setting 87
 02-M-1
 FSP(100142)

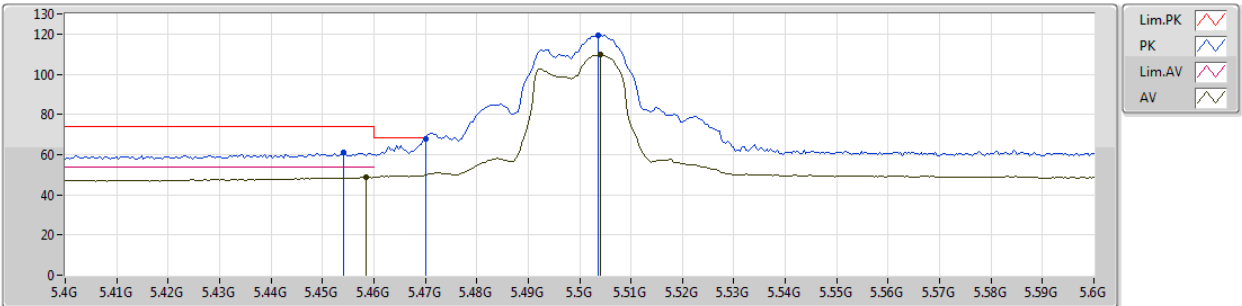
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.96156G	58.57	74.00	-15.43	15.06	3	Horizontal	286	1.49	-
AV	15.95754G	45.28	54.00	-8.72	15.07	3	Horizontal	286	1.49	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5500MHz_TX



EUT_Y_4TX
Setting 77
02-M-1-10
FSP(100142)

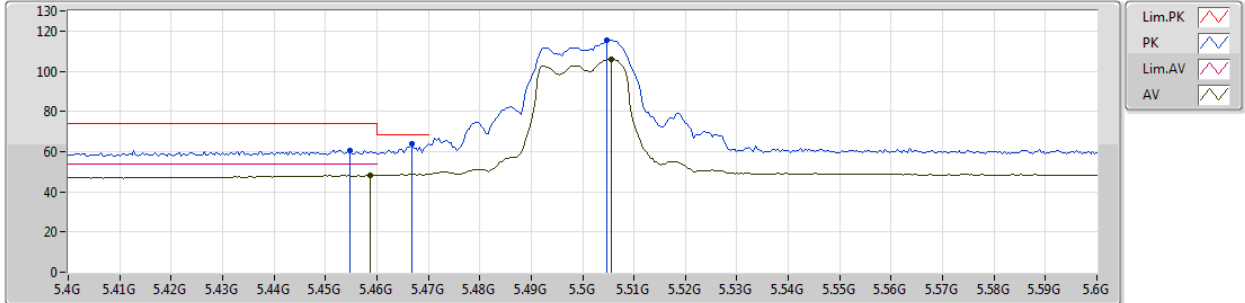
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.454G	60.81	74.00	-13.19	8.54	3	Vertical	28	1.75	-
AV	5.4584G	48.77	54.00	-5.23	8.55	3	Vertical	28	1.75	-
PK	5.47G	67.99	68.20	-0.21	8.56	3	Vertical	28	1.75	-
PK	5.5036G	119.43	Inf	-Inf	8.62	3	Vertical	28	1.75	-
AV	5.504G	110.10	Inf	-Inf	8.62	3	Vertical	28	1.75	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5500MHz_TX



EUT_Y_4TX
 Setting 77
 02-M-1-10
 FSP(100142)

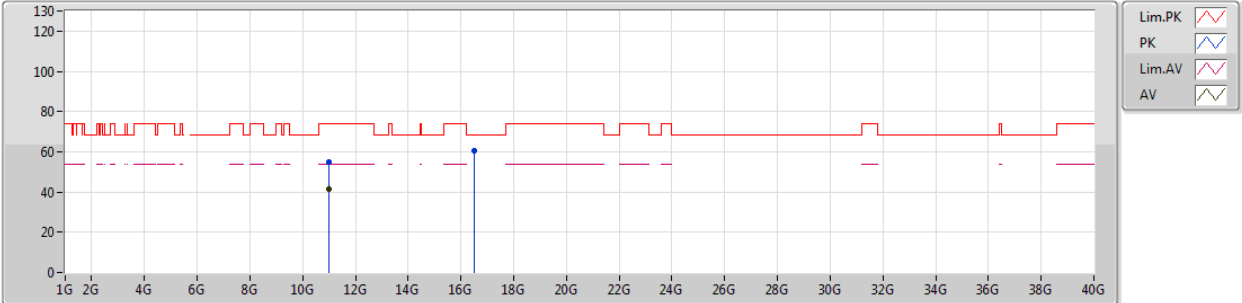
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4548G	60.68	74.00	-13.32	8.54	3	Horizontal	17	1.56	-
AV	5.4588G	48.09	54.00	-5.91	8.55	3	Horizontal	17	1.56	-
PK	5.4668G	64.10	68.20	-4.10	8.56	3	Horizontal	17	1.56	-
PK	5.5048G	115.70	Inf	-Inf	8.62	3	Horizontal	17	1.56	-
AV	5.5056G	106.09	Inf	-Inf	8.62	3	Horizontal	17	1.56	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5500MHz_TX



EUT_Y_4TX
Setting 77
02-M-1
FSP(100142)

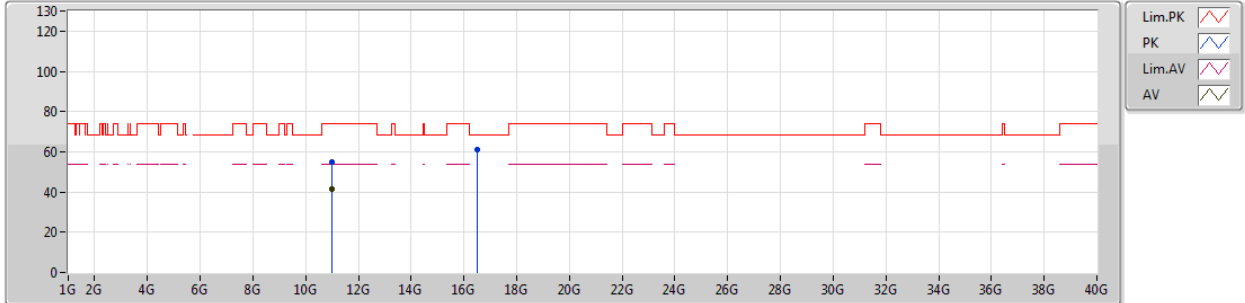
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.00044G	54.98	74.00	-19.02	14.26	3	Vertical	250	1.93	-
AV	11.0028G	41.25	54.00	-12.75	14.26	3	Vertical	250	1.93	-
PK	16.49888G	60.34	68.20	-7.86	17.13	3	Vertical	36	2.24	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5500MHz_TX



EUT_Y_4TX
Setting 77
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.00172G	55.01	74.00	-18.99	14.26	3	Horizontal	129	2.88	-
AV	10.9984G	41.41	54.00	-12.59	14.26	3	Horizontal	129	2.88	-
PK	16.49766G	61.30	68.20	-6.90	17.12	3	Horizontal	298	1.36	-



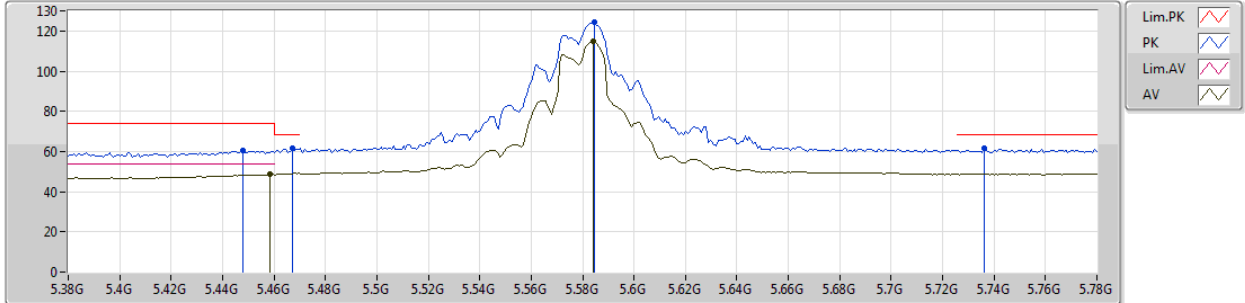
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5580MHz_TX



EUT Y_4TX
 Setting 96
 02-M-1-10
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.448G	60.39	74.00	-13.61	8.52	3	Vertical	322	1.87	-
AV	5.4584G	48.55	54.00	-5.45	8.55	3	Vertical	322	1.87	-
PK	5.4672G	61.62	68.20	-6.58	8.56	3	Vertical	322	1.87	-
PK	5.5848G	124.21	Inf	-Inf	8.64	3	Vertical	322	1.87	-
AV	5.584G	114.92	Inf	-Inf	8.64	3	Vertical	322	1.87	-
PK	5.736G	61.65	68.20	-6.55	8.82	3	Vertical	322	1.87	-

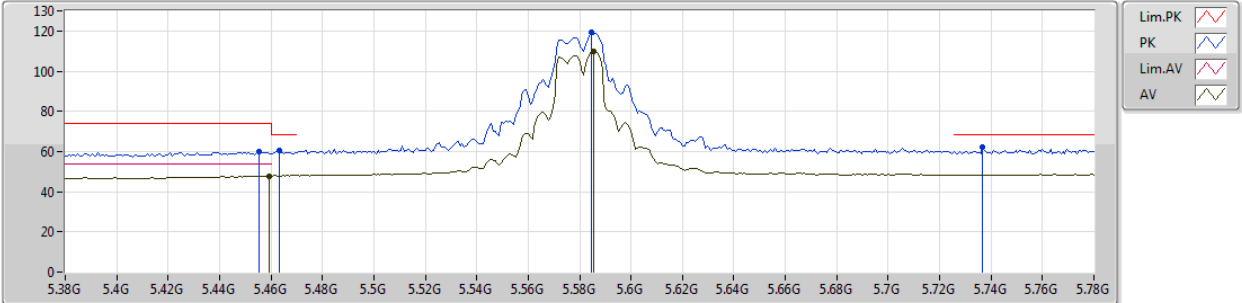


RSE TX above 1GHz Result

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5580MHz_TX



EUT_Y_4TX
 Setting 96
 02-M-1-10
 FSP(100142)

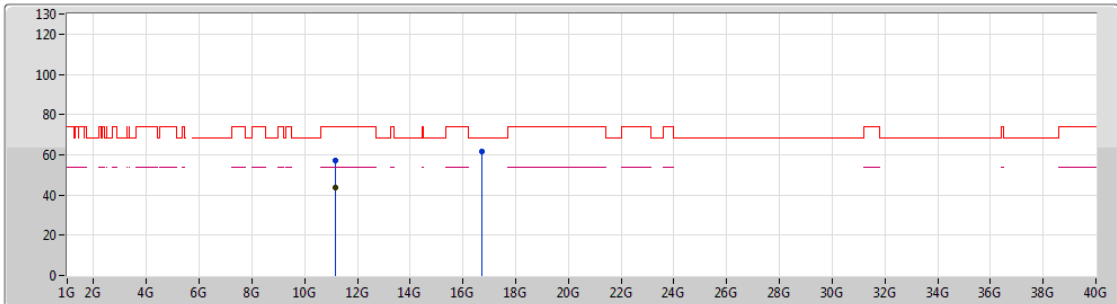
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4552G	59.72	74.00	-14.28	8.54	3	Horizontal	24	1.45	-
AV	5.4592G	47.82	54.00	-6.18	8.55	3	Horizontal	24	1.45	-
PK	5.4632G	60.56	68.20	-7.64	8.55	3	Horizontal	24	1.45	-
PK	5.5848G	119.47	Inf	-Inf	8.64	3	Horizontal	24	1.45	-
AV	5.5856G	109.67	Inf	-Inf	8.64	3	Horizontal	24	1.45	-
PK	5.7368G	62.06	68.20	-6.14	8.82	3	Horizontal	24	1.45	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5580MHz_TX



Lim.PK
 PK
 Lim.AV
 AV

EUT_Y_4TX
 Setting 96
 02-M-1
 FSP(100142)

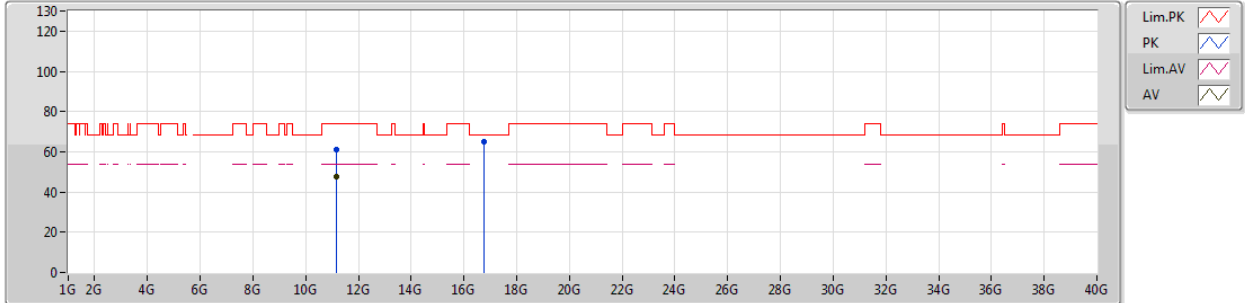
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.1555G	57.09	74.00	-16.91	14.47	3	Vertical	323	1.42	-
AV	11.1567G	43.57	54.00	-10.43	14.47	3	Vertical	323	1.42	-
PK	16.7392G	61.42	68.20	-6.78	18.18	3	Vertical	170	1.49	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5580MHz_TX



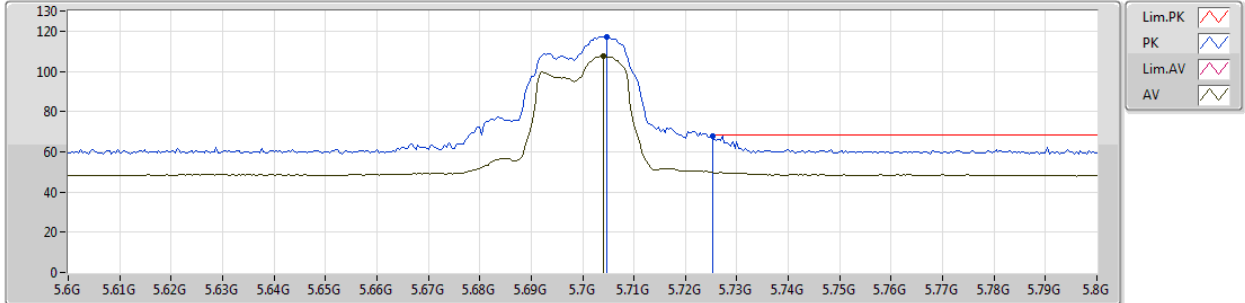
EUT_Y_4TX
Setting 96
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.1552G	61.00	74.00	-13.00	14.47	3	Horizontal	103	2.91	-
AV	11.1559G	47.76	54.00	-6.24	14.47	3	Horizontal	103	2.91	-
PK	16.7464G	65.10	68.20	-3.10	18.21	3	Horizontal	147	3.00	-

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5700MHz_TX



EUT_Y_4TX
Setting 69
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7048G	117.24	Inf	-Inf	8.78	3	Vertical	13	1.50	-
AV	5.704G	107.86	Inf	-Inf	8.78	3	Vertical	13	1.50	-
PK	5.7252G	67.97	68.20	-0.23	8.80	3	Vertical	13	1.50	-



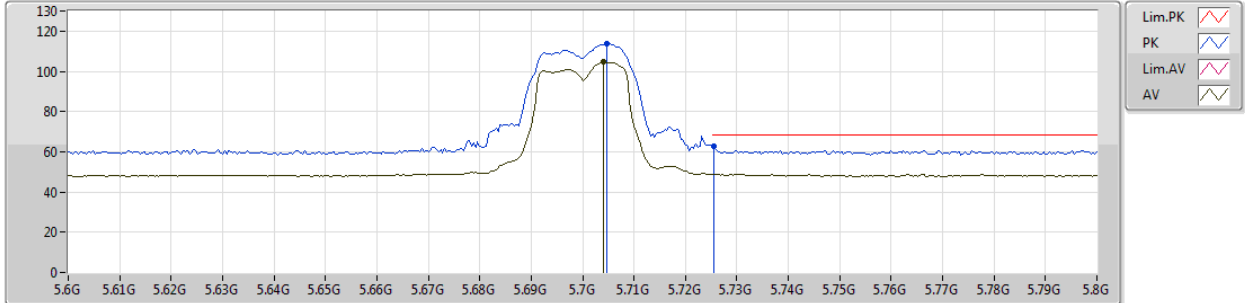
RSE TX above 1GHz Result

Appendix E.2

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5700MHz_TX



EUT_Y_4TX
Setting 69
02-M-1-10
FSP(100142)

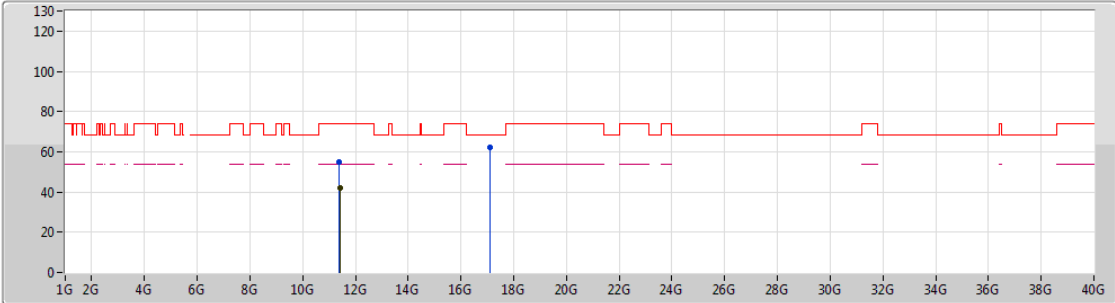
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7048G	113.81	Inf	-Inf	8.78	3	Horizontal	21	1.32	-
AV	5.704G	104.63	Inf	-Inf	8.78	3	Horizontal	21	1.32	-
PK	5.7256G	62.75	68.20	-5.45	8.80	3	Horizontal	21	1.32	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5700MHz_TX



EUT_Y_4TX
Setting 69
02-M-1
FSP(100142)

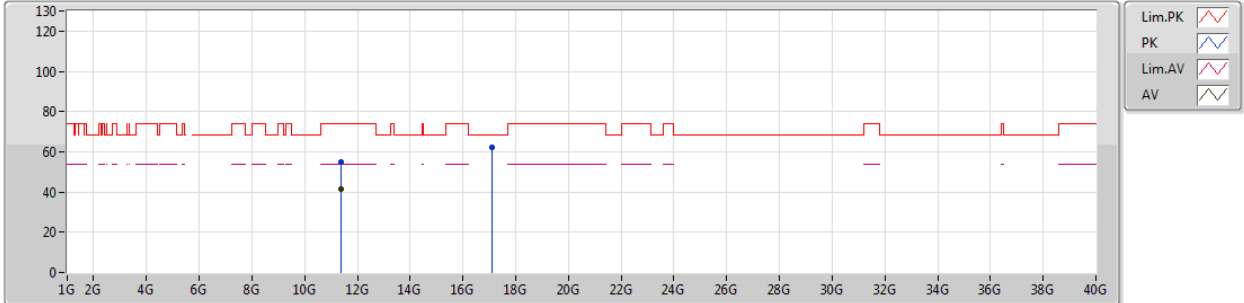
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.39596G	55.13	74.00	-18.87	14.81	3	Vertical	256	1.01	-
AV	11.40352G	41.83	54.00	-12.17	14.81	3	Vertical	256	1.01	-
PK	17.09546G	62.32	68.20	-5.88	19.89	3	Vertical	60	1.14	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5700MHz_TX



EUT_Y_4TX
Setting 69
02-M-1
FSP(100142)

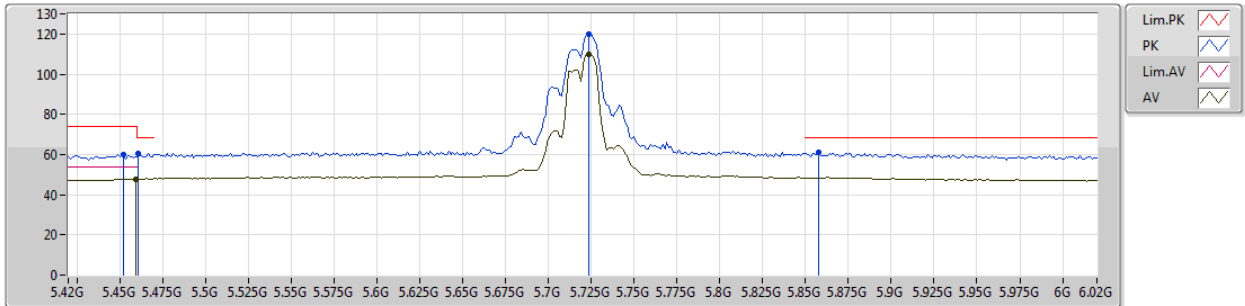
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.3964G	54.97	74.00	-19.03	14.81	3	Horizontal	207	1.22	-
AV	11.39534G	41.53	54.00	-12.47	14.81	3	Horizontal	207	1.22	-
PK	17.0999G	62.07	68.20	-6.13	19.90	3	Horizontal	97	1.59	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Y_4TX
 Setting 85
 02-M-1-10
 FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4524G	60.23	74.00	-13.77	8.54	3	Vertical	17	1.50	-
AV	5.4596G	47.82	54.00	-6.18	8.55	3	Vertical	17	1.50	-
PK	5.4608G	60.50	68.20	-7.70	8.55	3	Vertical	17	1.50	-
PK	5.7236G	119.80	Inf	-Inf	8.79	3	Vertical	17	1.50	-
AV	5.7236G	109.95	Inf	-Inf	8.79	3	Vertical	17	1.50	-
PK	5.858G	60.92	68.20	-7.28	8.86	3	Vertical	17	1.50	-

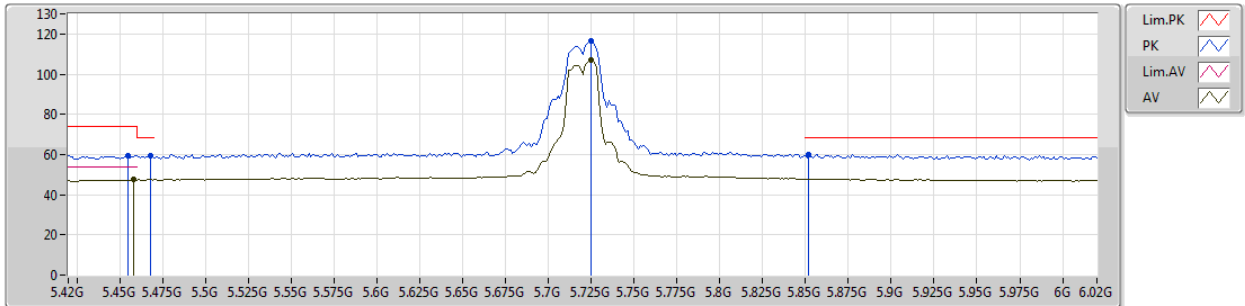


RSE TX above 1GHz Result

802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT Y_4TX
Setting 85
02-M-1-10
FSP(100142)

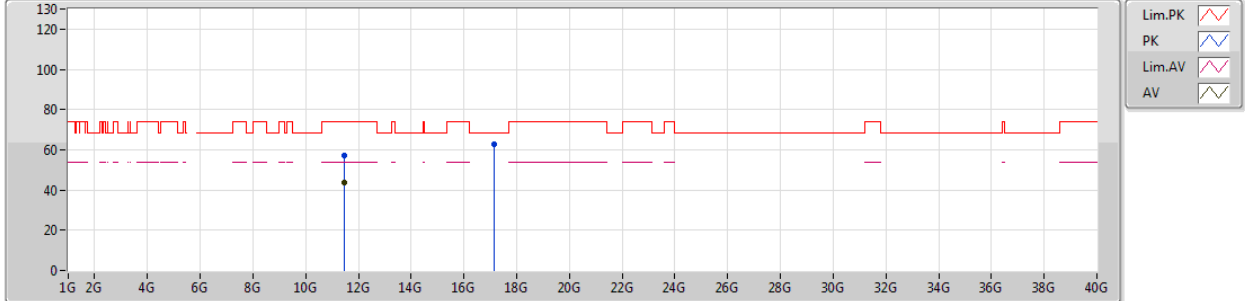
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4548G	59.37	74.00	-14.63	8.54	3	Horizontal	2	1.64	-
AV	5.4584G	47.53	54.00	-6.47	8.55	3	Horizontal	2	1.64	-
PK	5.468G	59.56	68.20	-8.64	8.56	3	Horizontal	2	1.64	-
PK	5.7248G	116.68	Inf	-Inf	8.79	3	Horizontal	2	1.64	-
AV	5.7248G	106.88	Inf	-Inf	8.79	3	Horizontal	2	1.64	-
PK	5.852G	60.15	68.20	-8.05	8.86	3	Horizontal	2	1.64	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Y_4TX
Setting 85
02-M-1
FSP(100142)

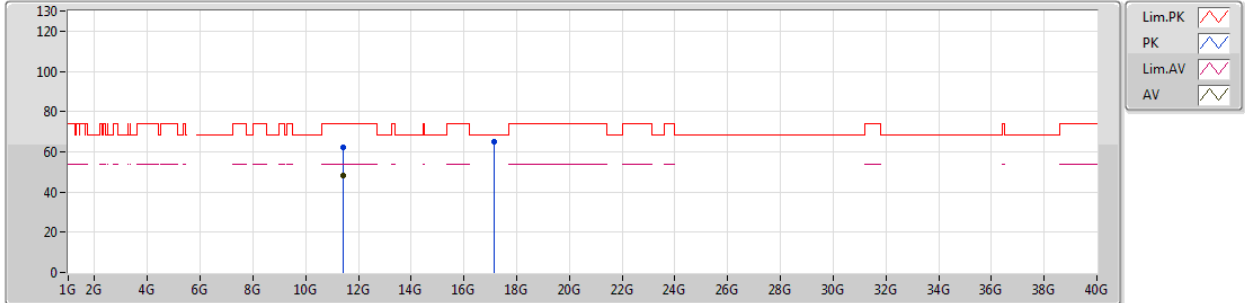
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.4456G	56.89	74.00	-17.11	14.88	3	Vertical	267	1.47	-
AV	11.4444G	43.75	54.00	-10.25	14.88	3	Vertical	267	1.47	-
PK	17.1525G	62.84	68.20	-5.36	20.22	3	Vertical	75	2.75	-



802.11a_Nss1,(6Mbps)_4TX

10/04/2019

5720MHz Straddle 5.47-5.725GHz_TX



EUT_Y_4TX
Setting 85
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.4336G	62.03	74.00	-11.97	14.86	3	Horizontal	116	2.86	-
AV	11.4358G	48.41	54.00	-5.59	14.86	3	Horizontal	116	2.86	-
PK	17.1584G	65.09	68.20	-3.11	20.27	3	Horizontal	142	1.53	-



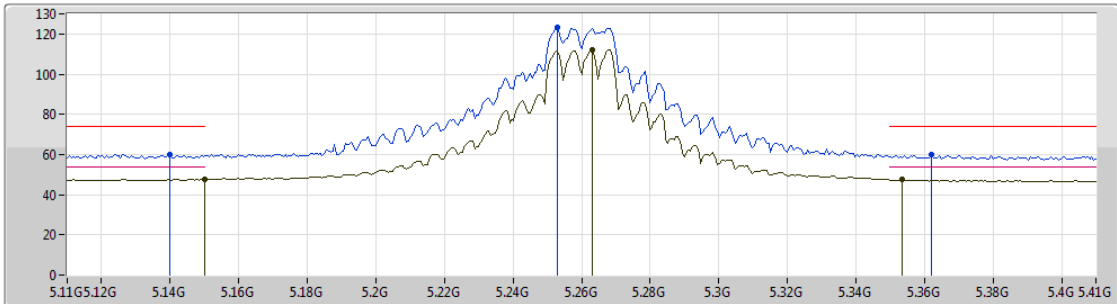
RSE TX above 1GHz Result

Appendix E.2

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5260MHz_TX



EUT Y_4TX
Setting 95
02-M-1-10
FSP(100142)

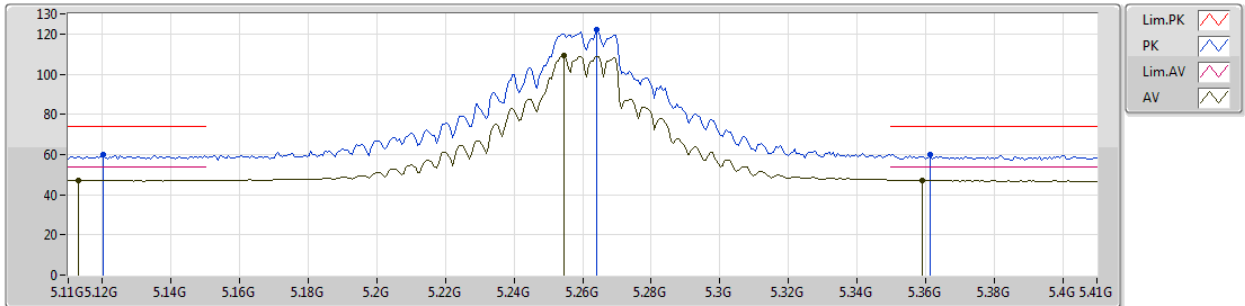
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.14G	60.14	74.00	-13.86	8.03	3	Vertical	149	1.47	-
AV	5.15G	47.65	54.00	-6.35	8.04	3	Vertical	149	1.47	-
PK	5.2528G	123.26	Inf	-Inf	8.24	3	Vertical	149	1.47	-
AV	5.263G	112.19	Inf	-Inf	8.26	3	Vertical	149	1.47	-
PK	5.362G	59.93	74.00	-14.07	8.39	3	Vertical	149	1.47	-
AV	5.3536G	47.45	54.00	-6.55	8.38	3	Vertical	149	1.47	-



802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5260MHz_TX



EUT Y_4TX
 Setting 95
 02-M-1-10
 FSP(100142)

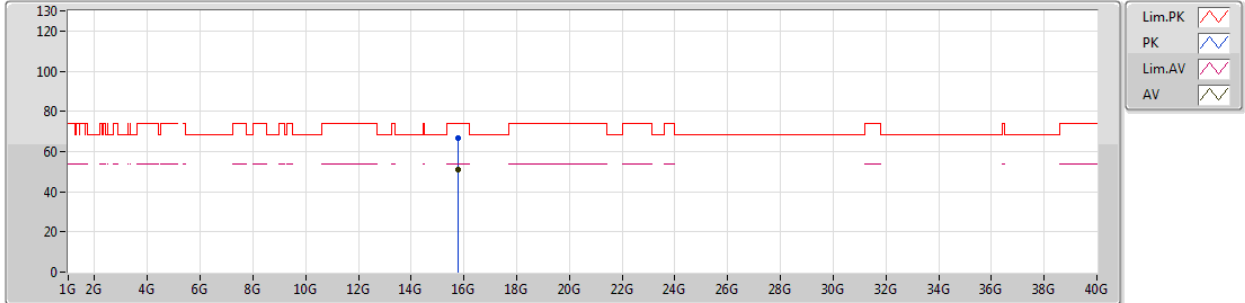
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1202G	59.68	74.00	-14.32	7.98	3	Horizontal	224	2.96	-
AV	5.113G	47.23	54.00	-6.77	7.96	3	Horizontal	224	2.96	-
PK	5.2642G	122.32	Inf	-Inf	8.26	3	Horizontal	224	2.96	-
AV	5.2546G	109.44	Inf	-Inf	8.25	3	Horizontal	224	2.96	-
PK	5.3614G	59.87	74.00	-14.13	8.39	3	Horizontal	224	2.96	-
AV	5.359G	47.25	54.00	-6.75	8.38	3	Horizontal	224	2.96	-



802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5260MHz_TX



EUT_Y_4TX
Setting 95
02-M-1
FSP(100142)




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.7797G	66.94	74.00	-7.06	15.52	3	Vertical	213	1.74	-
AV	15.7796G	50.95	54.00	-3.05	15.52	3	Vertical	213	1.74	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5260MHz_TX



Lim.PK 
 PK 
 Lim.AV 
 AV 

EUT Y_4TX
 Setting 95
 02-M-1
 FSP(100142)

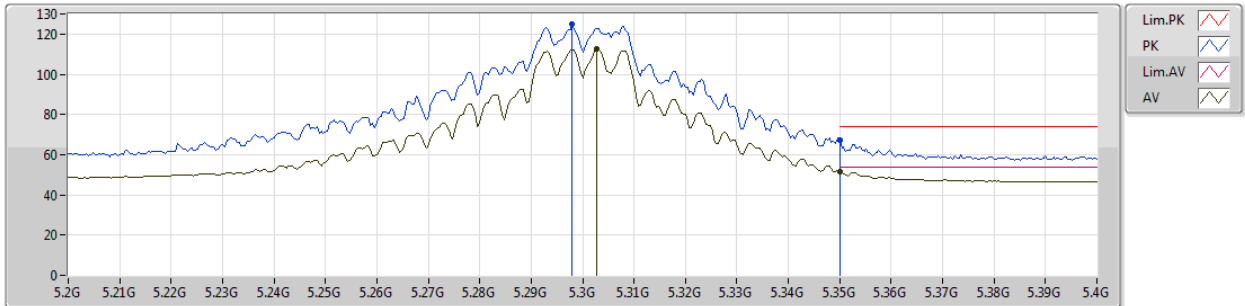
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.7789G	65.02	74.00	-8.98	15.52	3	Horizontal	311	2.67	-
AV	15.779G	50.56	54.00	-3.44	15.52	3	Horizontal	311	2.67	-



802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5300MHz_TX



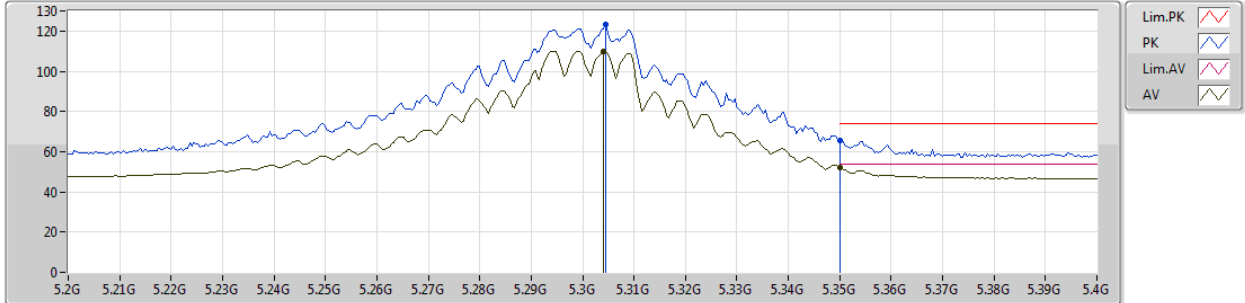
EUT_Y_4TX
Setting 96
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.298G	124.71	Inf	-Inf	8.31	3	Vertical	139	1.50	-
AV	5.3028G	112.46	Inf	-Inf	8.31	3	Vertical	139	1.50	-
PK	5.35G	67.23	74.00	-6.77	8.38	3	Vertical	139	1.50	-
AV	5.35G	51.73	54.00	-2.27	8.38	3	Vertical	139	1.50	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5300MHz_TX



EUT_Y_4TX
Setting 96
02-M-1-10
FSP(100142)

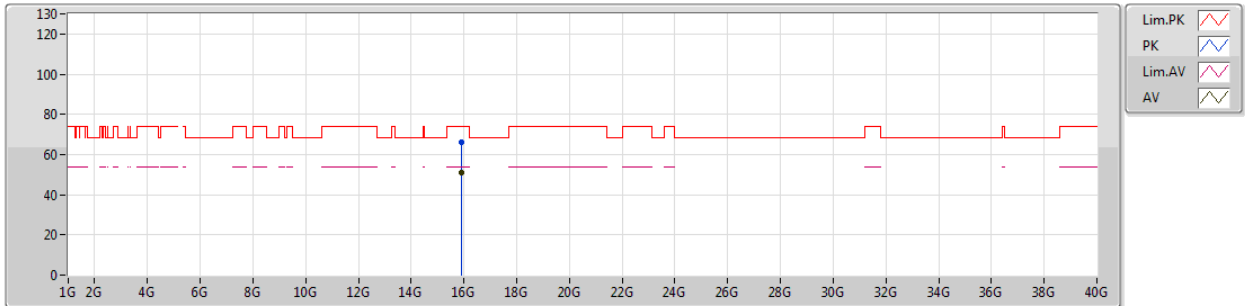
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3044G	123.03	Inf	-Inf	8.31	3	Horizontal	222	2.35	-
AV	5.304G	109.91	Inf	-Inf	8.31	3	Horizontal	222	2.35	-
PK	5.35G	65.78	74.00	-8.22	8.38	3	Horizontal	222	2.35	-
AV	5.35G	52.33	54.00	-1.67	8.38	3	Horizontal	222	2.35	-



802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5300MHz_TX



EUT Y_4TX
Setting 96
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.9048G	65.96	74.00	-8.04	15.21	3	Vertical	203	1.76	-
AV	15.9047G	50.88	54.00	-3.12	15.21	3	Vertical	203	1.76	-

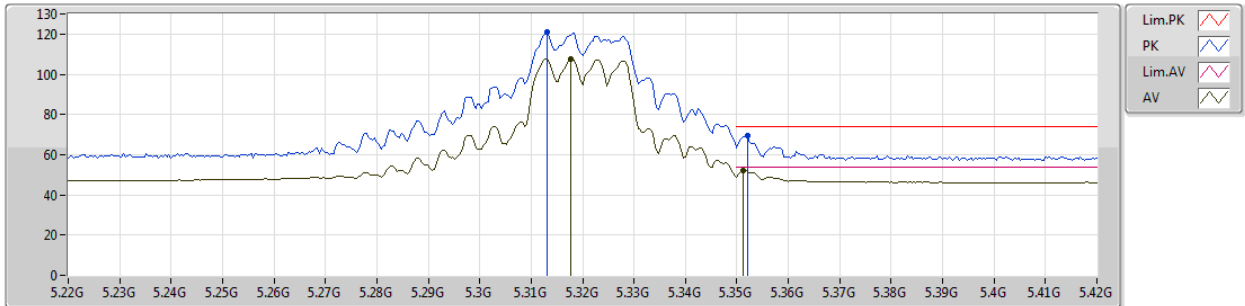




802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5320MHz_TX



EUT_Y_4TX
Setting 84
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3132G	121.27	Inf	-Inf	8.32	3	Vertical	145	1.51	-
AV	5.3176G	107.77	Inf	-Inf	8.33	3	Vertical	145	1.51	-
PK	5.352G	69.61	74.00	-4.39	8.38	3	Vertical	145	1.51	-
AV	5.3512G	52.01	54.00	-1.99	8.38	3	Vertical	145	1.51	-



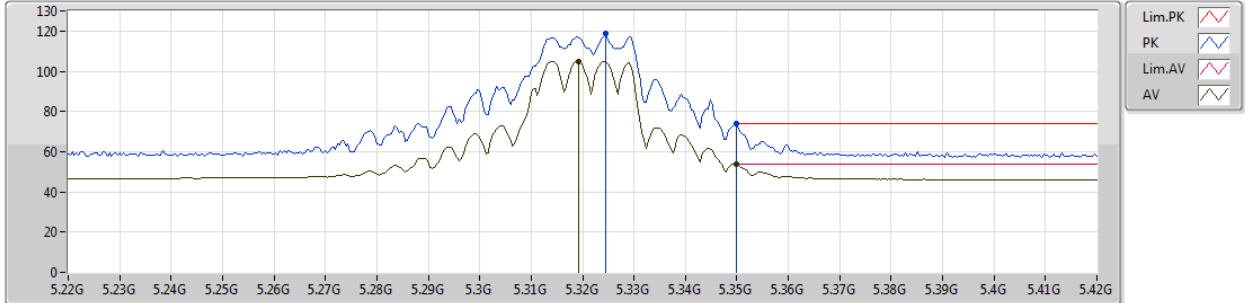
RSE TX above 1GHz Result

Appendix E.2

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5320MHz_TX



EUT Y_4TX
Setting 84
02-M-1-10
FSP(100142)

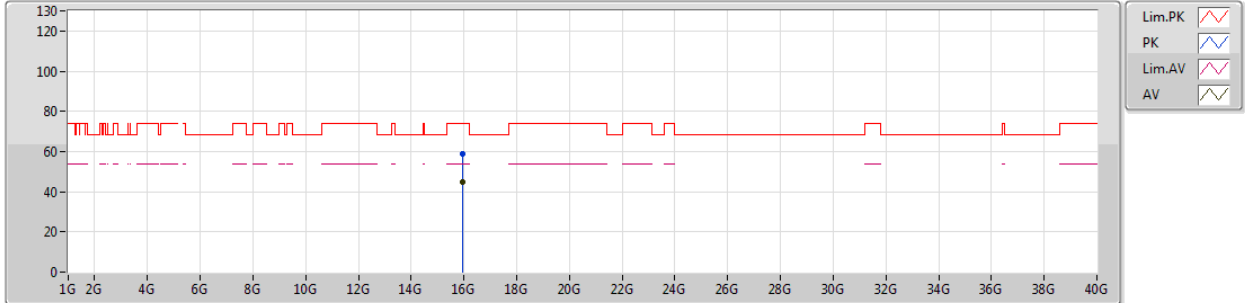
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3244G	118.92	Inf	-Inf	8.34	3	Horizontal	226	2.24	-
AV	5.3192G	104.98	Inf	-Inf	8.33	3	Horizontal	226	2.24	-
PK	5.35G	73.81	74.00	-0.19	8.38	3	Horizontal	226	2.24	-
AV	5.35G	53.58	54.00	-0.42	8.38	3	Horizontal	226	2.24	-



802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5320MHz_TX



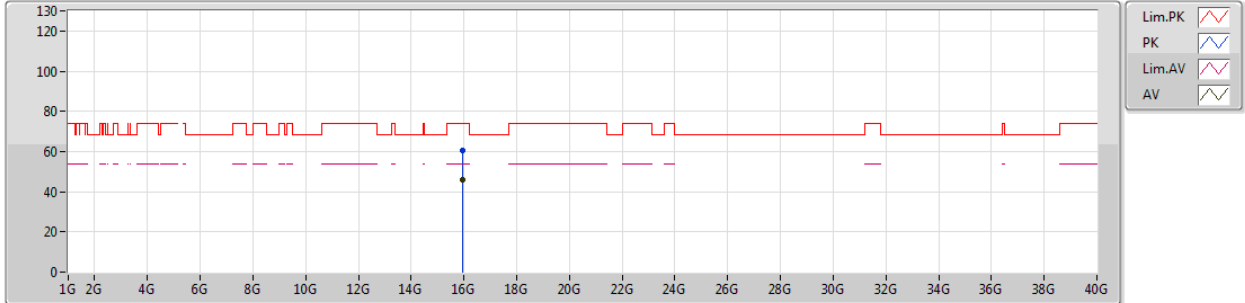
EUT_Y_4TX
Setting 84
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.9636G	58.60	74.00	-15.40	15.05	3	Vertical	114	1.53	-
AV	15.95128G	44.95	54.00	-9.05	15.08	3	Vertical	114	1.53	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5320MHz_TX



EUT_Y_4TX
Setting 84
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.96304G	60.66	74.00	-13.34	15.05	3	Horizontal	184	2.56	-
AV	15.95752G	46.09	54.00	-7.91	15.07	3	Horizontal	184	2.56	-



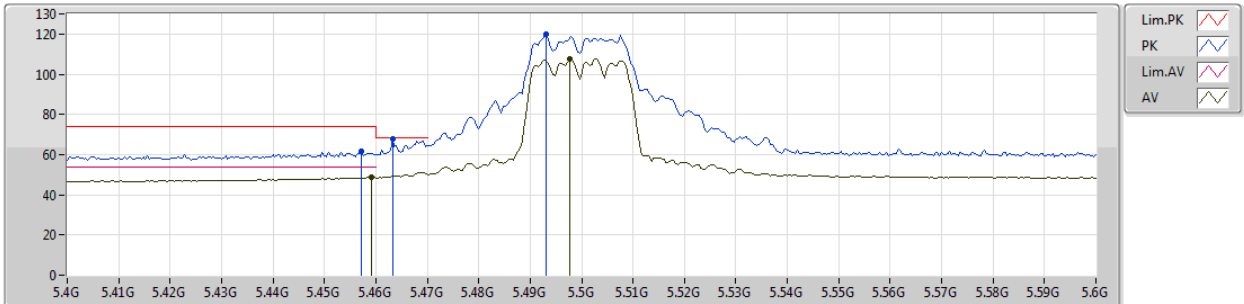
RSE TX above 1GHz Result

Appendix E.2

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5500MHz_TX



EUT_Y_4TX
Setting 74
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4572G	61.78	74.00	-12.22	8.54	3	Vertical	9	1.45	-
AV	5.4592G	48.61	54.00	-5.39	8.55	3	Vertical	9	1.45	-
PK	5.4632G	68.06	68.20	-0.14	8.55	3	Vertical	9	1.45	-
PK	5.4932G	119.88	Inf	-Inf	8.61	3	Vertical	9	1.45	-
AV	5.4976G	107.34	Inf	-Inf	8.62	3	Vertical	9	1.45	-

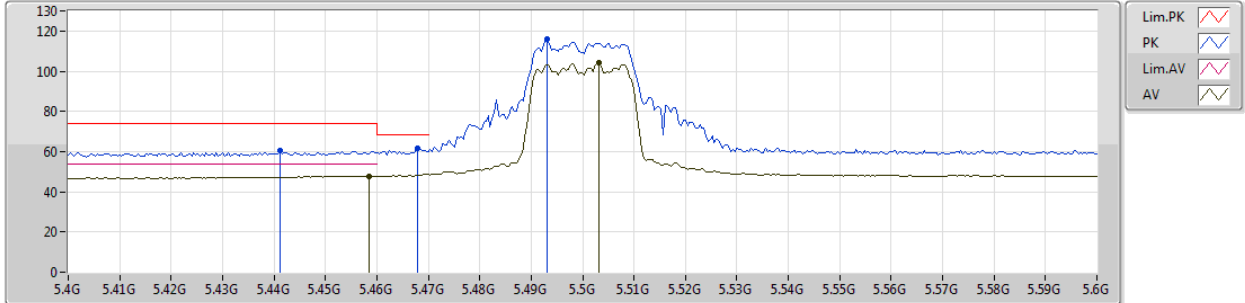


RSE TX above 1GHz Result

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5500MHz_TX



EUT Y_4TX
Setting 74
02-M-1-10
FSP(100142)

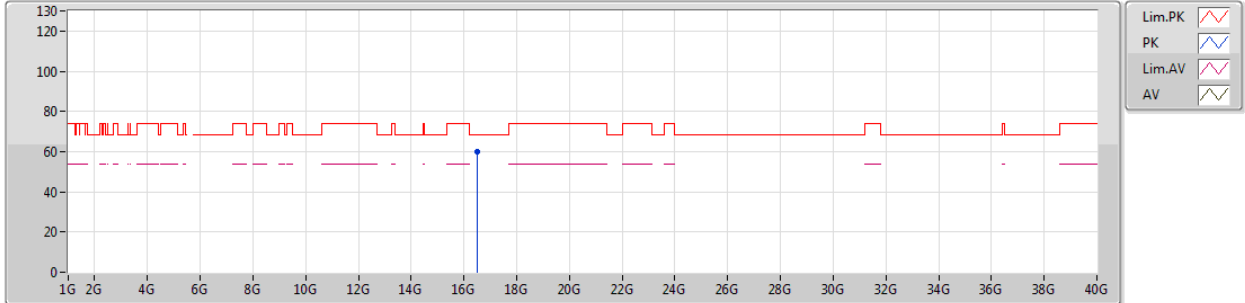
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4412G	60.62	74.00	-13.38	8.51	3	Horizontal	6	1.55	-
AV	5.4584G	47.77	54.00	-6.23	8.55	3	Horizontal	6	1.55	-
PK	5.468G	61.61	68.20	-6.59	8.56	3	Horizontal	6	1.55	-
PK	5.4932G	116.07	Inf	-Inf	8.61	3	Horizontal	6	1.55	-
AV	5.5032G	103.99	Inf	-Inf	8.62	3	Horizontal	6	1.55	-



802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5500MHz_TX



EUT_Y_4TX
Setting 74
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	16.49796G	59.89	68.20	-8.31	17.12	3	Vertical	151	1.55	-



802.11ax HEW20_Nss1,(MCS0)_4TX

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5500MHz_TX



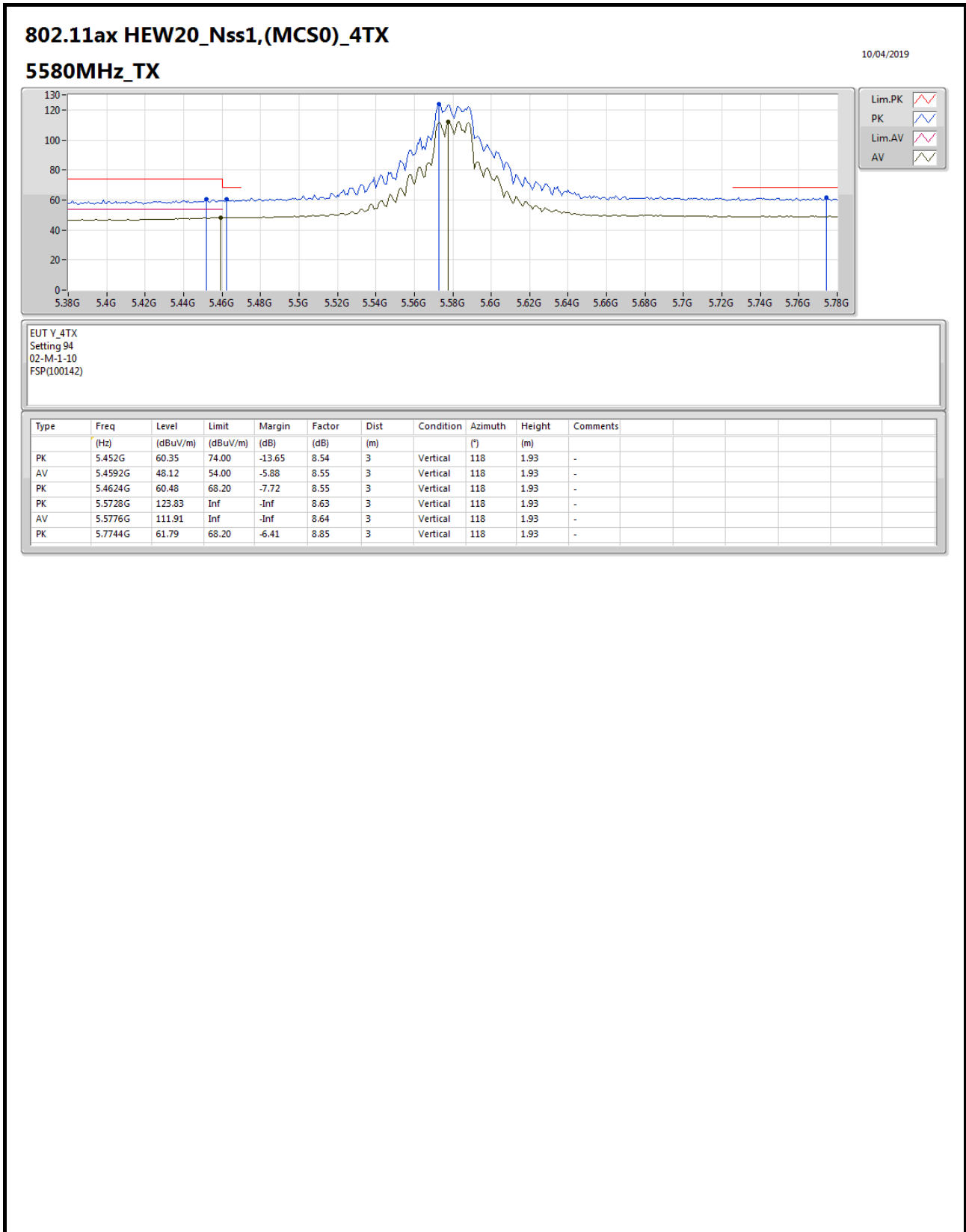
EUT_Y_4TX
Setting 74
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	16.49827G	59.28	68.20	-8.92	17.12	3	Horizontal	97	1.24	-



RSE TX above 1GHz Result

Appendix E.2

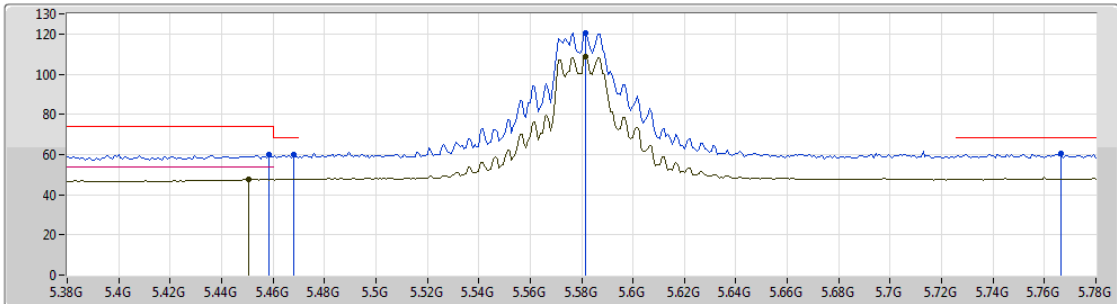




802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5580MHz_TX



EUT Y_4TX
Setting 94
02-M-1-10
FSP(100142)

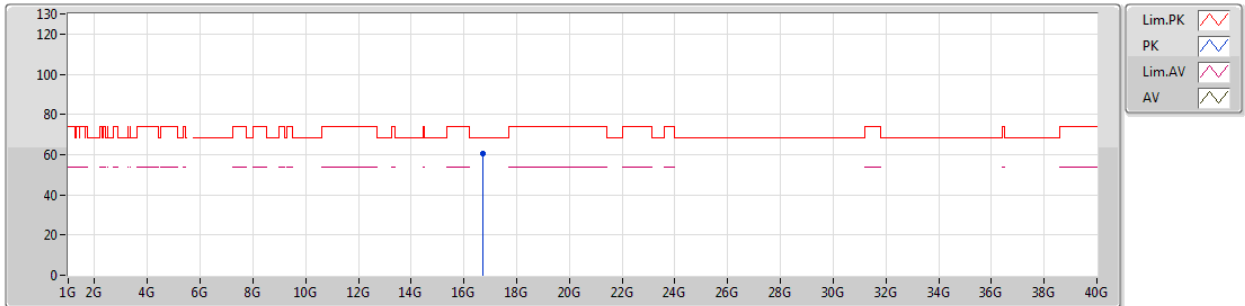
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4584G	59.95	74.00	-14.05	8.55	3	Horizontal	203	1.66	-
AV	5.4504G	47.55	54.00	-6.45	8.54	3	Horizontal	203	1.66	-
PK	5.468G	59.86	68.20	-8.34	8.56	3	Horizontal	203	1.66	-
PK	5.5816G	120.66	Inf	-Inf	8.64	3	Horizontal	203	1.66	-
AV	5.5816G	108.64	Inf	-Inf	8.64	3	Horizontal	203	1.66	-
PK	5.7664G	60.37	68.20	-7.83	8.84	3	Horizontal	203	1.66	-



802.11ax HEW20_Nss1,(MCS0)_4TX

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5580MHz_TX



EUT_Y_4TX
Setting 94
02-M-1
FSP(100142)

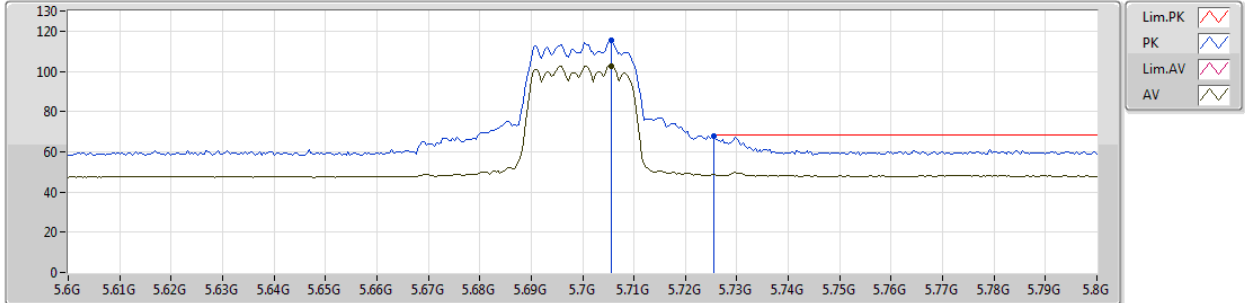
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	16.74076G	60.79	68.20	-7.41	18.18	3	Vertical	318	2.02	-



802.11ax HEW20_Nss1,(MCS0)_4TX

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5700MHz_TX



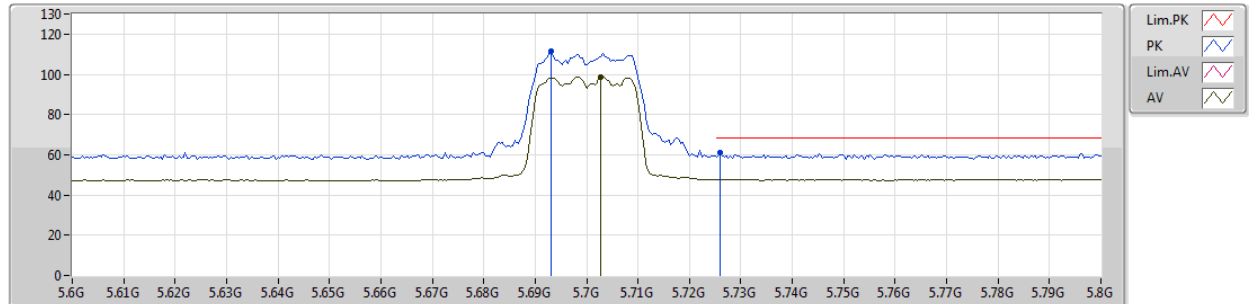
EUT_Y_4TX
Setting 54
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7056G	115.24	Inf	-Inf	8.78	3	Vertical	321	1.44	-
AV	5.7056G	102.79	Inf	-Inf	8.78	3	Vertical	321	1.44	-
PK	5.7256G	67.99	68.20	-0.21	8.80	3	Vertical	321	1.44	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5700MHz_TX



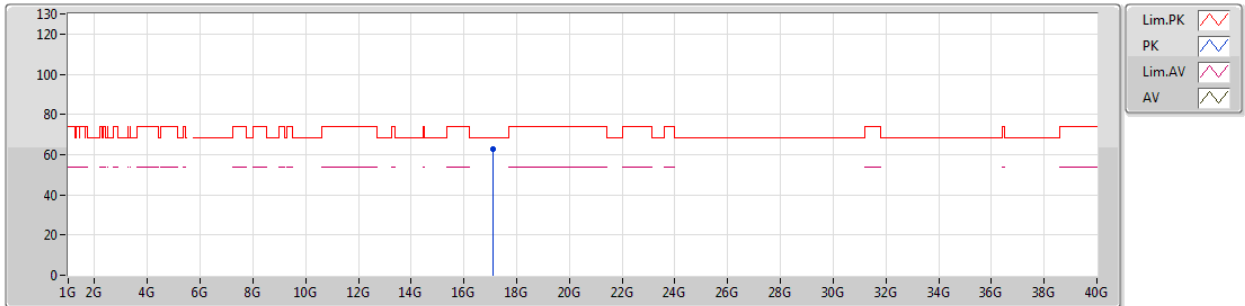
EUT_Y_4TX
Setting 54
02-M-1-10
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6932G	111.27	Inf	-Inf	8.76	3	Horizontal	13	1.76	-
AV	5.7028G	98.56	Inf	-Inf	8.77	3	Horizontal	13	1.76	-
PK	5.726G	60.93	68.20	-7.27	8.80	3	Horizontal	13	1.76	-

802.11ax HEW20_Nss1,(MCS0)_4TX

10/04/2019

5700MHz_TX



EUT_Y_4TX
Setting 54
02-M-1
FSP(100142)

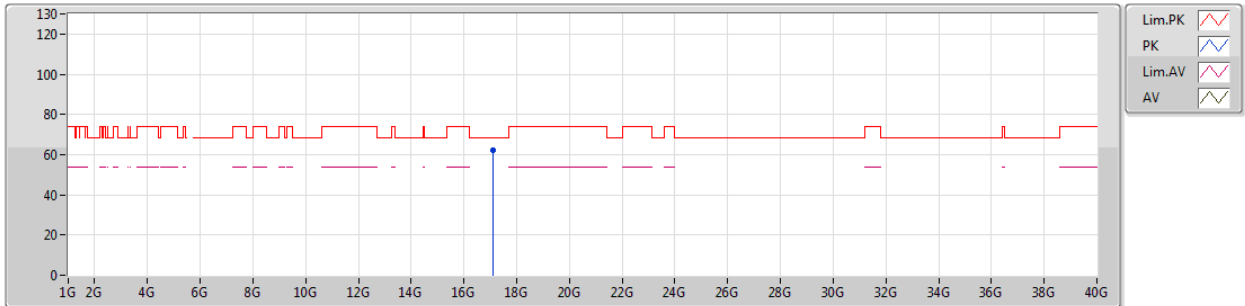
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	17.10248G	62.50	68.20	-5.70	19.92	3	Vertical	184	1.41	-



802.11ax HEW20_Nss1,(MCS0)_4TX

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5700MHz_TX



EUT_Y_4TX
Setting 54
02-M-1
FSP(100142)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	17.09971G	62.01	68.20	-6.19	19.91	3	Horizontal	90	1.64	-