



FCC RADIO TEST REPORT

FCC ID : UIDW31
Equipment : Wireless Router
Brand Name : ARRIS
Model Name : W31, W30
Applicant : ARRIS
3871 Lakefield Drive Suite 300, Suwanee, Georgia,
30024 United States
Manufacturer : ARRIS
3871 Lakefield Drive Suite 300, Suwanee, Georgia,
30024 United States
Standard : 47 CFR FCC Part 15.407

The product was received on Jul. 18, 2018, and testing was started from Jul. 23, 2018 and completed on Dec. 26, 2018. 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 variant 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
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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB Ver1.0



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	-

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:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. 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: Cindy Peng



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX



5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	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, 1024QAM 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.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	PEGATRON	RFPCA2620-01_Rev02	Dual band PCB dipole antenna	I-PEX	Note
2	PEGATRON	RFPCA2620-02_Rev02	Dual band PCB dipole antenna	I-PEX	
3	PEGATRON	RFPCA2620-03_Rev01	Dual band PCB dipole antenna	I-PEX	
4	PEGATRON	RFPCA2620-04_Rev02	Dual band PCB dipole antenna	I-PEX	
5	PEGATRON	RFPCA2307-02 Rev02	PCB dipole antenna	I-PEX	
6	PEGATRON	RFPCA2211-03 Rev01	PCB dipole antenna	I-PEX	
7	PEGATRON	RFPCA2211-04 Rev02	PCB dipole antenna	I-PEX	
8	PEGATRON	RFPCA1806-03 Rev01	PCB dipole antenna	I-PEX	
9	PEGATRON	RFPCA3508-05_Rev02	PCB antenna	I-PEX	
10	PEGATRON	RFPCA1806-03 Rev01	PCB dipole antenna	I-PEX	

Note:

Ant.	Port	Uncorrelated (dBi)			Correlated (dBi)			(dBi)
		2.4GHz	5GHz Band 1~2	5GHz Band 3~4	2.4GHz	5GHz Band 1~2	5GHz Band 3~4	Bluetooth
1	1	4.22	5.71	-	5.35	6.23		-
2	2	4.22	5.71	-	5.35	6.23		-
3	3	4.22	5.71	-	5.35	6.23		-
4	4	4.22	5.71	-	5.35	6.23		-
5	1	-	-	5.82	-	-	6.93	-
6	2	-	-	5.82	-	-	6.93	-
7	3	-	-	5.82	-	-	6.93	-
8	4	-	-	5.82	-	-	6.93	-
9	1	-	-	-	-	-	-	4.12
10	-	-	5.23	5.23	-	-	-	-

Note 1: The above information was declared by manufacturer.

Note 2: The EUT has ten antennas.

For Radio 1**WLAN 2.4GHz Functions****For IEEE 802.11b/g/n/ac/ax mode (4TX, 4RX):**

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

WLAN 5GHz Functions (1RX):

Ant. 10 only supports the antenna receive function.

For Radio 3
WLAN 5GHz Band 1~2 Functions
For IEEE 802.11a/n/ac/ax mode (4TX, 4RX):

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

For Radio 2
WLAN 5GHz Band 3~4 Functions
For IEEE 802.11a/n/ac/ax mode (4TX, 4RX):

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

For Radio 4
Bluetooth Functions (1TX, 1RX):

Only Port 1 could transmit/receive simultaneously.

1.1.3 Table for Radio Type

Radio No.	2.4GHz	5GHz Band 1~2	5GHz Band 3~4	Bluetooth
Radio 1	V	Only RX function	Only RX function	-
Radio 2	-	-	V	-
Radio 3	-	V	-	-
Radio 4	-	-	-	V

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.948	0.232	2.068m	1k
802.11ac VHT20	0.986	0.061	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ac VHT40	0.973	0.119	953.75u	3k
802.11ac VHT80	0.946	0.241	461.25u	3k
802.11ac VHT160	0.904	0.438	253.75u	10k
802.11ax HEW20	0.981	0.083	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	0.965	0.155	775u	3k
802.11ax HEW80	0.932	0.306	405u	3k
802.11ax HEW160	0.894	0.487	235u	10k

Note:

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

**1.1.5 EUT Operational Condition**

EUT Power Type	From power adapter			
Beamforming Function	☐	With beamforming	☒	Without beamforming
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	accessMTool(version 3.0.0.6)			

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Functions

Type of Function	2.4GHz	5GHz Band 1~2	5GHz Band 3~4
Master (AP Router)	V	V	V
Master (Extender)	-	-	V
Bridge (Client without radar detection)	-	-	V
Client without radar detection	-	-	V

1.1.7 Table for Multiple Listing

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

Model Name	Color of Device's Bottom
W31	Matte Black
W30	Silver

From the above models, model name "W31" was selected as representative model for the test and its data was recorded in this report.

**1.1.8 Table for Class II Change**

This product is an extension of original one reported under Sporton project number: FR842742AB

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding an adapter (Model Name: NBS42D120350VU).	1. AC Power-line Conducted Emissions. 2. Unwanted Emissions Below 1GHz.
2. Adding the 802.11ax mode for WLAN 2.4GHz and WLAN 5GHz. 3. Adding the 160MHz. 4. Adding the WLAN 5GHz band 2 and band 3 (5250~5350 MHz, 5470~5725 MHz) for this device.	1. Emission Bandwidth. 2. Maximum Conducted Output Power. 3. Peak Power Spectral Density. 4. Unwanted Emissions Above 1GHz.
5. Updating the WIFI chip (BCM43684KRFBG) version to B1 from A1. The difference between A1 (original) and B1 (new) as below: (1) No functional RF changes versus A1. (2) MAC/PHY related bug fixes and optimizations. (3) Power and yield optimizations.	Unwanted Emissions Above 1 GHz for 802.11ac VHT20 5240 MHz, 802.11ac VHT40 5795 MHz, and they are max power channel of original test report. (The test results are based on original output power to re-test.)
6. Updating the 802.11ac data rate and data modulation of WLAN 2.4GHz to "MCS 0-11, 1024QAM" from "MCS 0-9, 256QAM".	It doesn't need to verify WLAN 5GHz test.
7. Adding the Master (Extender), Bridge (Client without radar detection) and Client without radar detection modes for WLAN 5GHz band 3 and band 4 (5470~5725 MHz, 5725~5850 MHz).	It doesn't need to verify RF test.
8. Changing the internal structure of housing. 9. Changing the housing color to black from white. 10. Removing USB port. 11. Changing the equipment name to "Wireless Router" from "W31". Based on the modification above. 12. Adding a new model name "W30" which the color of device's bottom is silver.	It does not affect the test.



1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

Testing Location				
☐	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
☒	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, Caster Chang, Owen Hsu	22°C / 55%	Jul. 24, 2018~Dec. 26, 2018
Radiated Below 1GHz	03CH01-CB	Stim Sung	22°C / 54%	Dec. 24, 2018
Radiated Above 1GHz	03CH01-CB	Stim Sung	22°C / 54%	Jul. 23, 2018~Dec. 21, 2018
AC Conduction	CO02-CB	Ryo Fan	22°C / 58%	Dec. 21, 2018

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74×10^{-8}	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For 802.11a/ac, 5GHz Band 2~3:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	69
5300MHz	70
5320MHz	71
5500MHz	64
5580MHz	63
5700MHz	68
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
802.11ac VHT20_Nss1,(MCS0)_4TX	-
5260MHz	69
5300MHz	70
5320MHz	71
5500MHz	64
5580MHz	63
5700MHz	68
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
802.11ac VHT40_Nss1,(MCS0)_4TX	-
5270MHz	69
5310MHz	71
5510MHz	67
5550MHz	67
5670MHz	70
5710MHz Straddle 5.47-5.725GHz	74
5710MHz Straddle 5.725-5.85GHz	74
802.11ac VHT80_Nss1,(MCS0)_4TX	-
5290MHz	70
5530MHz	68
5610MHz	69



Mode	Power Setting
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	54
5250MHz Straddle 5.25-5.35GHz	54
5570MHz	54

Note:

- ♦ VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

**For 802.11ax, 5GHz Band 1~4:**

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	79
5200MHz	89
5240MHz	87
5260MHz	66
5300MHz	68
5320MHz	69
5500MHz	64
5580MHz	63
5700MHz	68
5720MHz Straddle 5.47-5.725GHz	69
5720MHz Straddle 5.725-5.85GHz	69
5745MHz	93
5785MHz	94
5825MHz	94
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	67
5230MHz	87
5270MHz	67
5310MHz	69
5510MHz	68
5550MHz	68
5670MHz	71
5710MHz Straddle 5.47-5.725GHz	73
5710MHz Straddle 5.725-5.85GHz	73
5755MHz	92
5795MHz	92
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	63
5290MHz	68
5530MHz	70
5610MHz	71
5690MHz Straddle 5.47-5.725GHz	71
5690MHz Straddle 5.725-5.85GHz	71



Mode	Power Setting
5775MHz	83
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	54
5250MHz Straddle 5.25-5.35GHz	54
5570MHz	53

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
	There are four modes as below: Mode 1: EUT - Radio 1 (WLAN 2.4GHz) Mode 2: EUT - Radio 3 (WLAN 5GHz Band 1~2) Mode 3: EUT - Radio 2 (WLAN 5GHz Band 3~4) Mode 4: EUT - Radio 4 (Bluetooth) The worst case was found from Mode 2 of original test. So the measurement will follow this same test configuration.
1	EUT - Radio 3 (WLAN 5GHz Band 1~2) + Adapter 2

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
	There are four modes as below: Mode 1: EUT in Y axis - Radio 1 (WLAN 2.4GHz) Mode 2: EUT in Y axis - Radio 3 (WLAN 5GHz Band 1~2) Mode 3: EUT in Y axis - Radio 2 (WLAN 5GHz Band 3~4) Mode 4: EUT in Y axis - Radio 4 (Bluetooth) The worst case was found from Mode 1 of original test. So the measurement will follow this same test configuration.
1	EUT in Y axis - Radio 1 (WLAN 2.4GHz) + Adapter 2
Operating Mode > 1GHz	CTX
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 (WLAN 2.4GHz) + Radio 3 (WLAN 5GHz Band 1~2) + Radio 2 (WLAN 5GHz Band 3~4) + Radio 4 (Bluetooth)
Refer to Sporton Test Report No.: FA842742-01 for Co-location RF Exposure Evaluation.	

Note 1: The EUT can only be used at Y axis position.

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.



2.4 Accessories

Accessories					
No.	Equipment Name	Brand Name	Model Name	P/N	Rating
1	Adapter 1	APD	WA-36L12FU	AREP05681	INPUT: 100-120V ~, 60Hz, 0.9A Max OUTPUT: 12V, 3A
2	Adapter 2	NetBit	NBS42D120 350VU	AREP05751	INPUT: 100-120V ~, 50/60Hz, 1.0A OUTPUT: 12.0V, 3.5A

Note: The adapter does not affect the test result of radio tests, so only adapter 2 was tested and recorded in this report.

2.5 Support Equipment

For Test Site No: CO02-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E6430	N/A

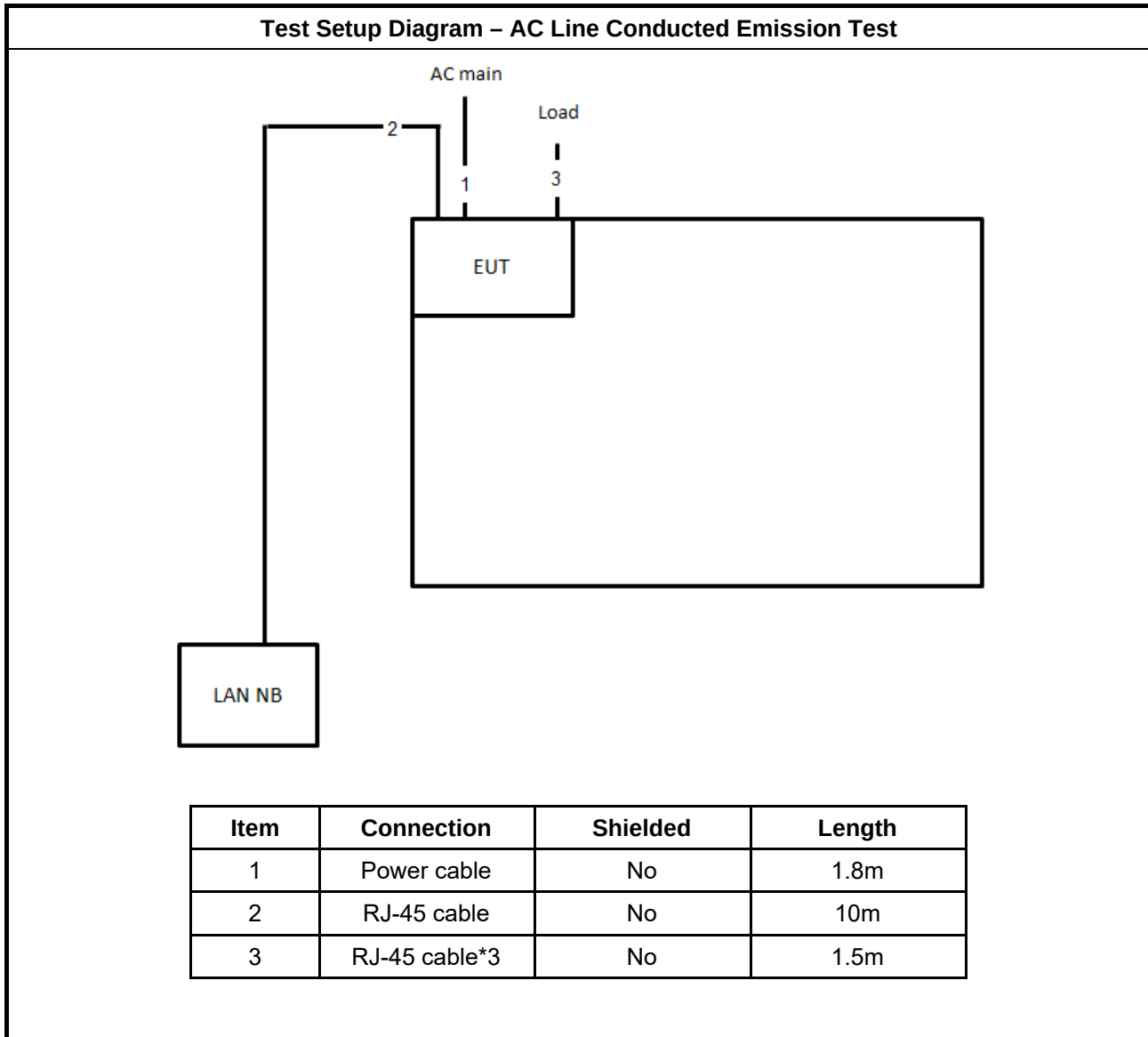
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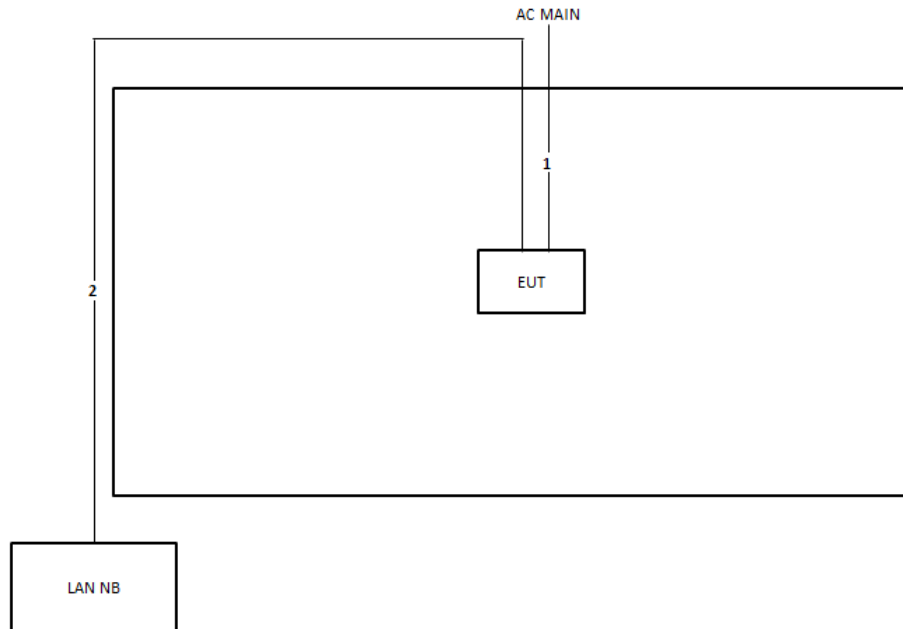
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	N/A

For Test Site No: TH01-CB

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

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

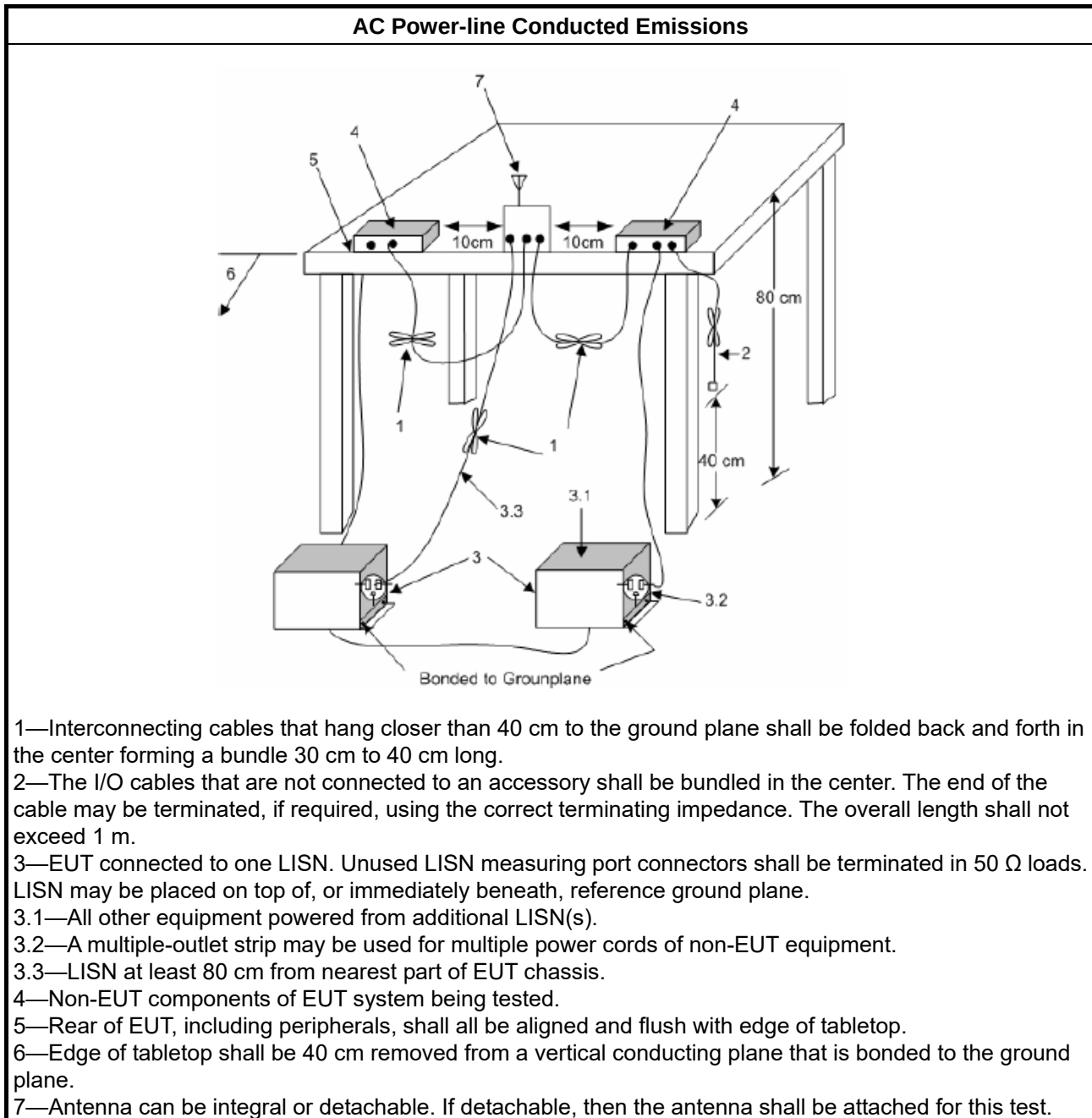
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

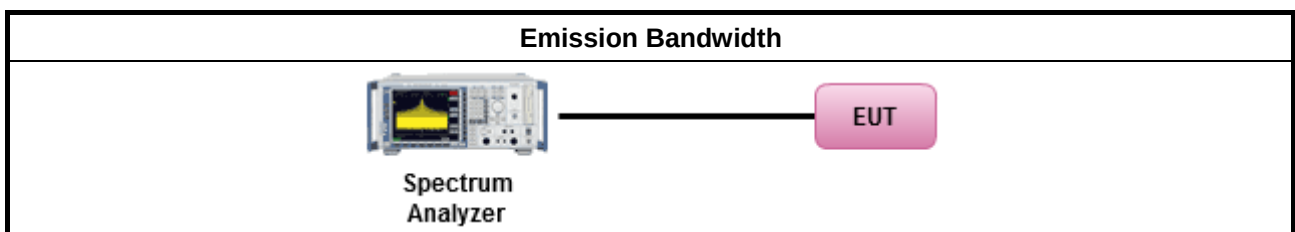
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

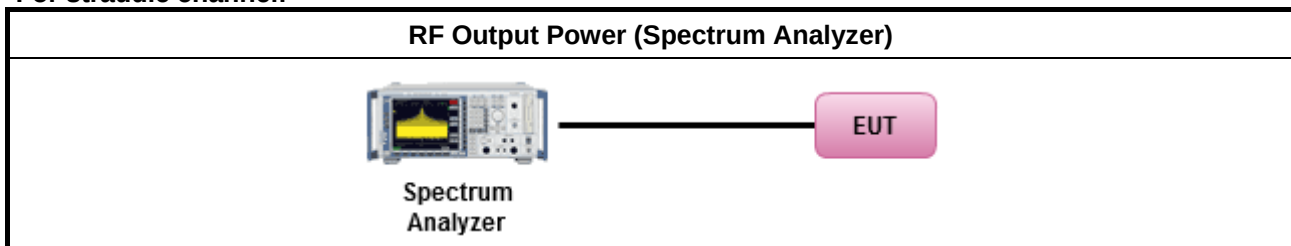
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

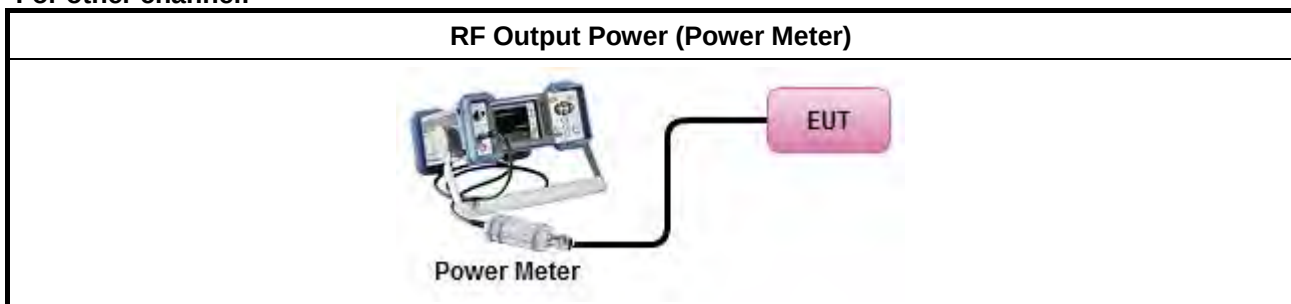
Test Method	
Maximum Conducted Output Power	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging) for straddle channel.
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method PM-G (using an RF average power meter) for other channel.
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

For straddle channel:



For other channel:



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

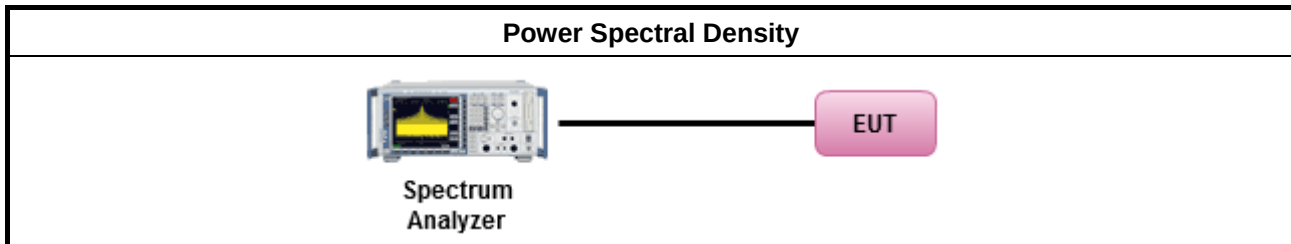
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth [duty cycle ≥ 98% or external video / power trigger]
☒	Refer as FCC KDB 789033, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-1 Alt. (RMS detection with slow sweep speed) duty cycle < 98% and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
☐	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (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
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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



linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

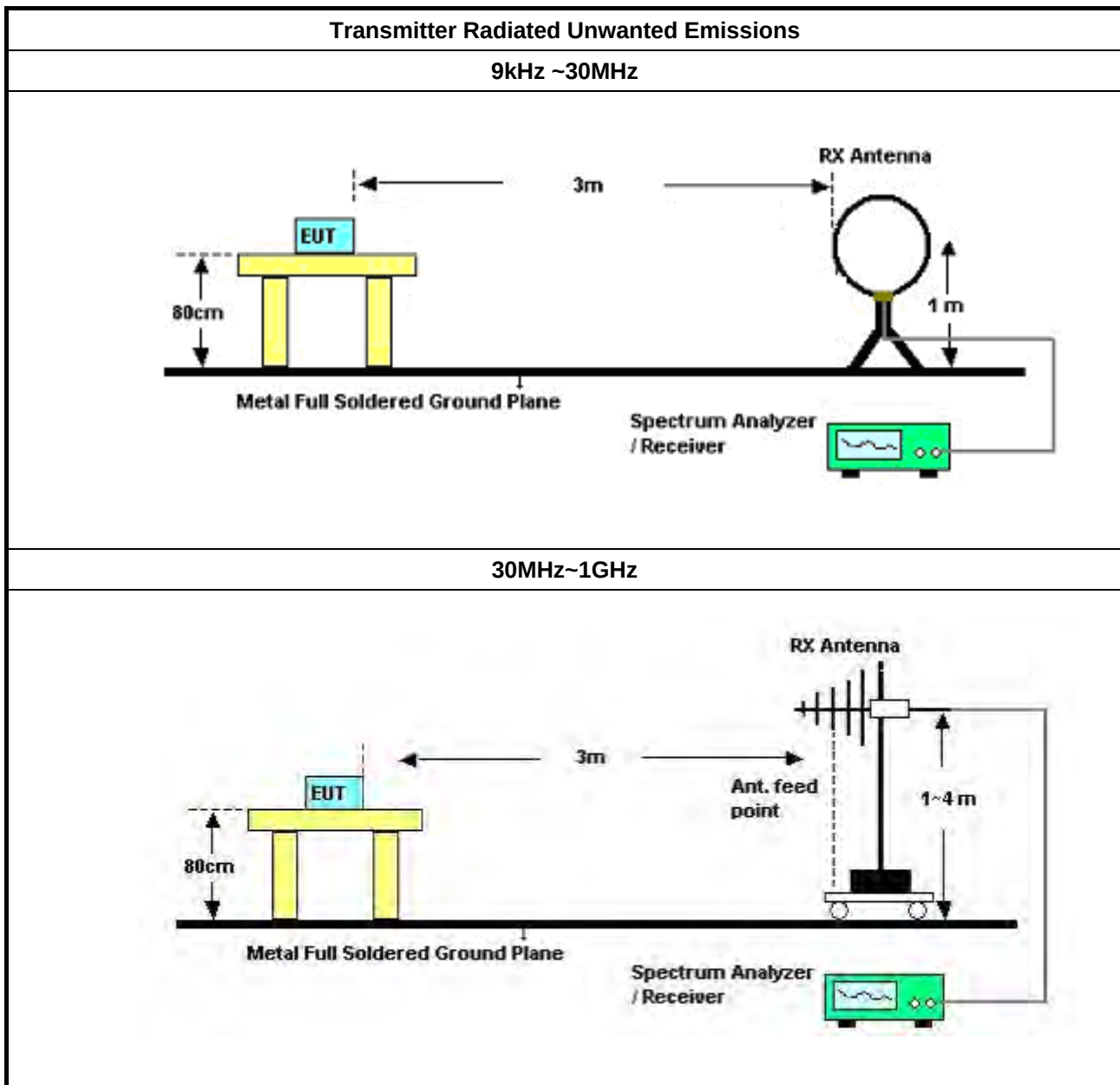
3.5.2 Measuring Instruments

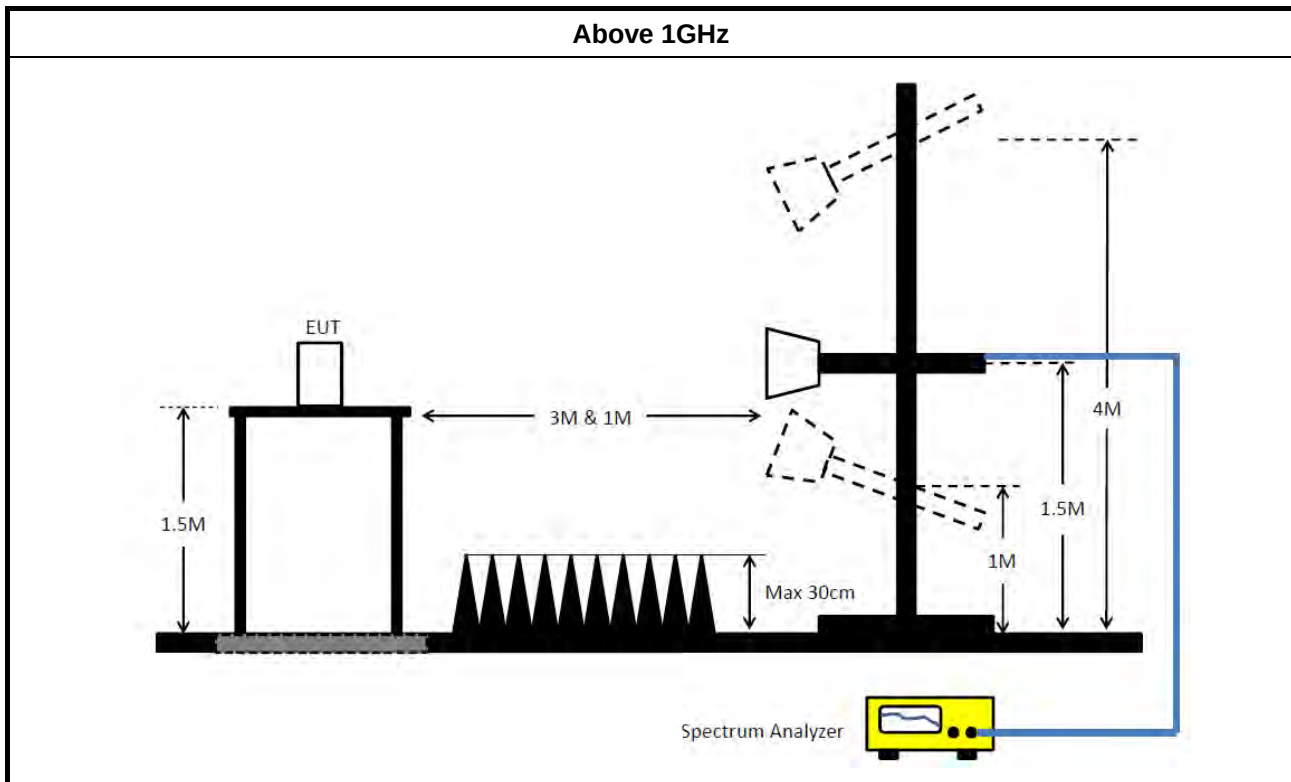
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033, clause G)5) measurement procedure peak limit.
☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

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. 17, 2018	Jan. 16, 2019	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. 16, 2018	Mar. 15, 2019	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCi	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 20, 2017	Nov. 19, 2018	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA917025 2	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 09, 2018	Jan. 08, 2019	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 23, 2017	Nov. 22, 2018	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSP40	100080	9kHz~40GHz	Oct. 03, 2018	Oct. 02, 2019	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 11, 2017	Oct. 10, 2018	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Jun. 22, 2018	Jun. 21, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 26.5 GHz	Oct. 11, 2017	Oct. 10, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 20, 2017	Nov. 19, 2018	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

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



AC Power-line Conducted Emissions Result

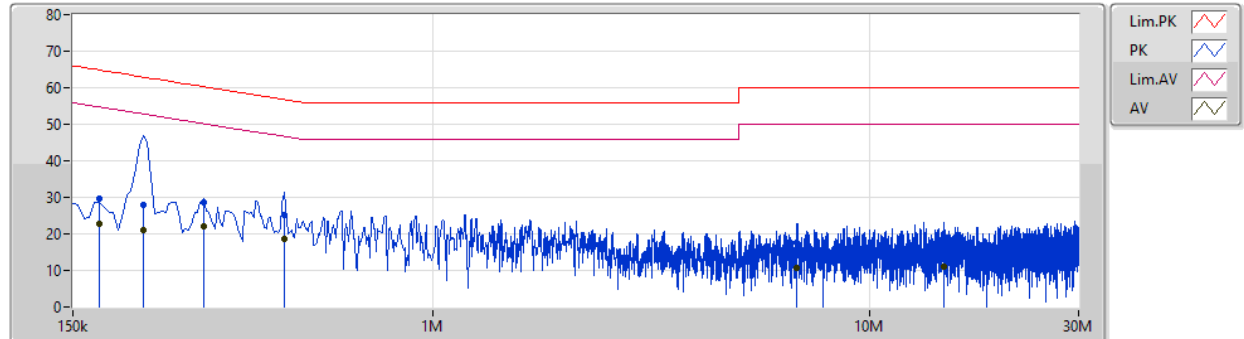
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition
Mode 1	Pass	AV	280.5k	22.55	50.80	-28.25	10.05	Neutral

Mode 1

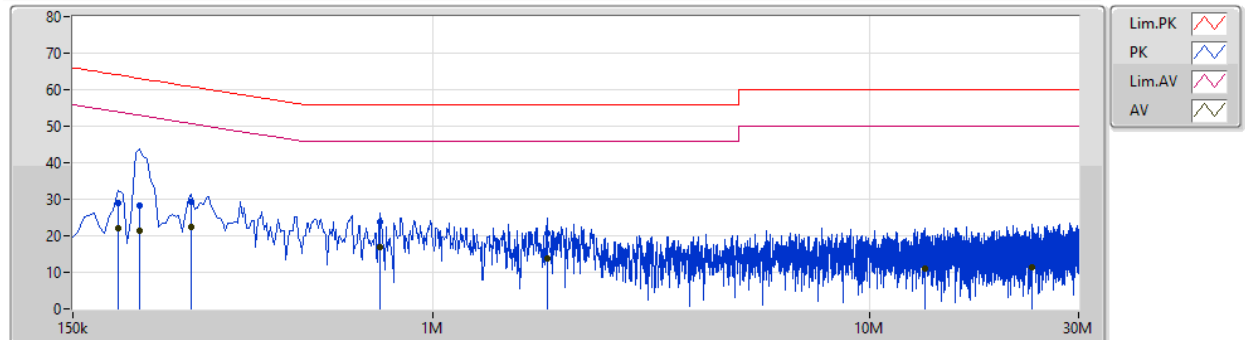
21/12/2018



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	172.5k	29.61	64.83	-35.22	10.06	Line	-	19.55	0.04	0.15	9.87			
AV	172.5k	22.73	54.83	-32.10	10.06	Line	-	12.67	0.04	0.15	9.87			
QP	217.5k	28.10	62.92	-34.82	10.05	Line	-	18.05	0.04	0.14	9.87			
AV	217.5k	21.19	52.92	-31.73	10.05	Line	-	11.14	0.04	0.14	9.87			
QP	298.5k	28.79	60.28	-31.49	10.04	Line	-	18.75	0.04	0.13	9.87			
AV	298.5k	21.92	50.28	-28.36	10.04	Line	-	11.88	0.04	0.13	9.87			
QP	456k	25.28	56.76	-31.48	10.04	Line	-	15.24	0.04	0.13	9.87			
AV	456k	18.46	46.76	-28.30	10.04	Line	"Worst"	8.42	0.04	0.13	9.87			
QP	6.788M	17.57	60.00	-42.43	10.22	Line	-	7.35	0.19	0.14	9.89			
AV	6.788M	10.67	50.00	-39.33	10.22	Line	-	0.45	0.19	0.14	9.89			
QP	14.789M	18.09	60.00	-41.91	10.49	Line	-	7.60	0.34	0.22	9.93			
AV	14.789M	11.17	50.00	-38.83	10.49	Line	-	0.68	0.34	0.22	9.93			

Mode 1

21/12/2018



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	AF (dB)	CL (dB)	AT (dB)			
QP	190.5k	29.05	64.01	-34.96	10.06	Neutral	-	18.99	0.05	0.14	9.87			
AV	190.5k	22.20	54.01	-31.81	10.06	Neutral	-	12.14	0.05	0.14	9.87			
QP	213k	28.16	63.09	-34.93	10.06	Neutral	-	18.10	0.05	0.14	9.87			
AV	213k	21.44	53.09	-31.65	10.06	Neutral	-	11.38	0.05	0.14	9.87			
QP	280.5k	29.46	60.80	-31.34	10.05	Neutral	-	19.41	0.05	0.13	9.87			
AV	280.5k	22.55	50.80	-28.25	10.05	Neutral	"Worst"	12.50	0.05	0.13	9.87			
QP	757.5k	23.63	56.00	-32.37	10.11	Neutral	-	13.52	0.06	0.18	9.87			
AV	757.5k	16.90	46.00	-29.10	10.11	Neutral	-	6.79	0.06	0.18	9.87			
QP	1.829M	20.52	56.00	-35.48	10.19	Neutral	-	10.33	0.08	0.23	9.88			
AV	1.829M	13.67	46.00	-32.33	10.19	Neutral	-	3.48	0.08	0.23	9.88			
QP	13.326M	17.78	60.00	-42.22	10.36	Neutral	-	7.42	0.24	0.20	9.92			
AV	13.326M	10.89	50.00	-39.11	10.36	Neutral	-	0.53	0.24	0.20	9.92			
QP	23.442M	18.27	60.00	-41.73	10.57	Neutral	-	7.70	0.35	0.25	9.97			
AV	23.442M	11.52	50.00	-38.48	10.57	Neutral	-	0.95	0.35	0.25	9.97			

**For 802.11a/ac, 5GHz Band 2~3:
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	80.72M	76.122M	76M1D1D	80.4M	75.402M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.8M	16.667M	16M7D1D	21.325M	16.492M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.8M	17.791M	17M8D1D	21.5M	17.716M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.25M	36.282M	36M3D1D	39.65M	36.132M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.9M	75.762M	75M8D1D	81.1M	75.562M
802.11ac VHT160_Nss1,(MCS0)_4TX	81.36M	76.122M	76M1D1D	80M	75.242M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.675M	16.642M	16M6D1D	15.375M	13.298M
802.11ac VHT20_Nss1,(MCS0)_4TX	21.775M	17.816M	17M8D1D	15.645M	13.913M
802.11ac VHT40_Nss1,(MCS0)_4TX	40.25M	36.382M	36M4D1D	34.965M	32.954M
802.11ac VHT80_Nss1,(MCS0)_4TX	81.9M	75.862M	75M9D1D	75.6M	72.339M
802.11ac VHT160_Nss1,(MCS0)_4TX	163.8M	153.923M	154MD1D	163M	153.323M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.12M	3.938M	3M94D1D	3.08M	3.818M
802.11ac VHT20_Nss1,(MCS0)_4TX	3.72M	4.218M	4M22D1D	3.54M	4.098M
802.11ac VHT40_Nss1,(MCS0)_4TX	3.1M	3.478M	3M48D1D	2.92M	3.418M
802.11ac VHT80_Nss1,(MCS0)_4TX	3.08M	3.598M	3M60D1D	2.5M	3.478M

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	21.325M	16.492M	21.7M	16.642M	21.525M	16.542M	21.35M	16.542M
5300MHz	Pass	Inf	21.375M	16.592M	21.625M	16.642M	21.6M	16.592M	21.35M	16.592M
5320MHz	Pass	Inf	21.45M	16.517M	21.8M	16.667M	21.725M	16.542M	21.425M	16.567M
5500MHz	Pass	Inf	21.5M	16.567M	21.625M	16.617M	21.5M	16.642M	21.4M	16.567M
5580MHz	Pass	Inf	21.525M	16.642M	21.65M	16.617M	21.675M	16.617M	21.275M	16.617M
5700MHz	Pass	Inf	21.45M	16.617M	21.45M	16.542M	21.425M	16.642M	21.35M	16.542M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.57M	13.343M	15.66M	13.328M	15.66M	13.358M	15.375M	13.298M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.818M	3.1M	3.938M	3.08M	3.898M	3.12M	3.938M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.675M	17.766M	21.55M	17.741M	21.675M	17.791M	21.725M	17.766M
5300MHz	Pass	Inf	21.8M	17.766M	21.55M	17.741M	21.55M	17.716M	21.55M	17.741M
5320MHz	Pass	Inf	21.7M	17.741M	21.5M	17.791M	21.525M	17.766M	21.65M	17.741M
5500MHz	Pass	Inf	21.725M	17.716M	21.5M	17.816M	21.6M	17.766M	21.775M	17.766M
5580MHz	Pass	Inf	21.525M	17.791M	21.4M	17.816M	21.65M	17.791M	21.675M	17.766M
5700MHz	Pass	Inf	21.65M	17.741M	21.4M	17.791M	21.4M	17.766M	21.725M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	13.913M	15.645M	13.973M	15.75M	13.928M	15.705M	13.943M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.54M	4.218M	3.72M	4.178M	3.7M	4.218M	3.72M	4.098M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	39.7M	36.232M	40M	36.232M	39.9M	36.182M	40.25M	36.182M
5310MHz	Pass	Inf	39.65M	36.282M	39.8M	36.232M	39.75M	36.132M	40.1M	36.282M
5510MHz	Pass	Inf	39.75M	36.232M	40.05M	36.232M	40.1M	36.282M	40.15M	36.182M
5550MHz	Pass	Inf	39.8M	36.232M	40.05M	36.232M	39.9M	36.182M	40.2M	36.232M
5670MHz	Pass	Inf	39.8M	36.232M	39.95M	36.182M	39.95M	36.382M	40.25M	36.232M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	32.954M	35.105M	33.128M	35M	32.989M	35.385M	32.989M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.438M	3.04M	3.418M	2.98M	3.478M	2.92M	3.458M
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	81.9M	75.562M	81.2M	75.762M	81.1M	75.762M	81.7M	75.762M
5530MHz	Pass	Inf	81.9M	75.562M	81.6M	75.562M	81.7M	75.862M	81.6M	75.562M
5610MHz	Pass	Inf	81.7M	75.762M	81.4M	75.662M	81.3M	75.862M	81.7M	75.462M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.825M	72.414M	75.75M	72.414M	75.6M	72.339M	76.05M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.478M	2.5M	3.558M	3.08M	3.598M	2.82M	3.498M
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.4M	75.802M	80.64M	75.802M	80.56M	75.402M	80.72M	76.122M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.08M	75.642M	80M	75.242M	81.36M	75.402M	80.88M	76.122M
5570MHz	Pass	Inf	163M	153.923M	163.6M	153.323M	163.8M	153.723M	163.2M	153.723M

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

24/07/2018

Ch Freq
5.26GHz

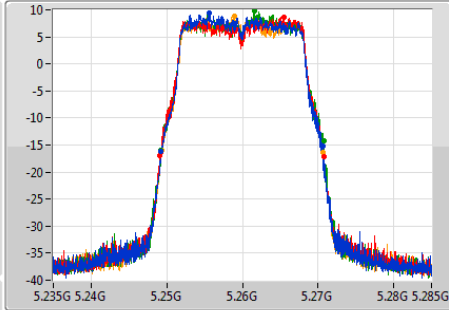
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



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
21.325M	5.249275G	5.2706G	16.492M	5.251654G	5.268146G	Inf	1
21.7M	5.2491G	5.2708G	16.642M	5.251604G	5.268246G	Inf	2
21.525M	5.2492G	5.270725G	16.542M	5.251654G	5.268196G	Inf	3
21.35M	5.2493G	5.27065G	16.542M	5.251679G	5.268221G	Inf	4

Ch Freq
5.26GHz

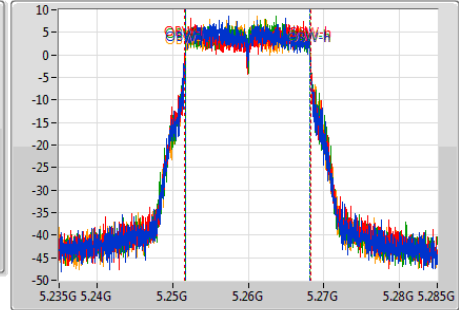
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample


802.11a_Nss1,(6Mbps)_4TX
EBW
5300MHz

24/07/2018

Ch Freq
5.3GHz

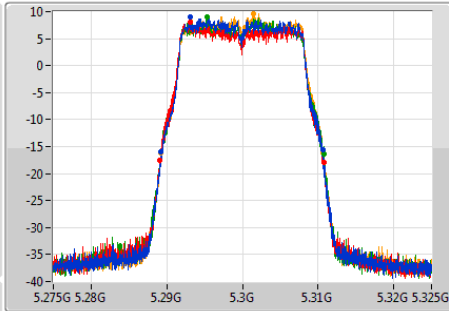
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



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	5.289275G	5.31065G	16.592M	5.291604G	5.308196G	Inf	1
21.625M	5.2891G	5.310725G	16.642M	5.291579G	5.308221G	Inf	2
21.6M	5.289175G	5.310775G	16.592M	5.291604G	5.308196G	Inf	3
21.35M	5.289275G	5.310625G	16.592M	5.291654G	5.308246G	Inf	4

Ch Freq
5.3GHz

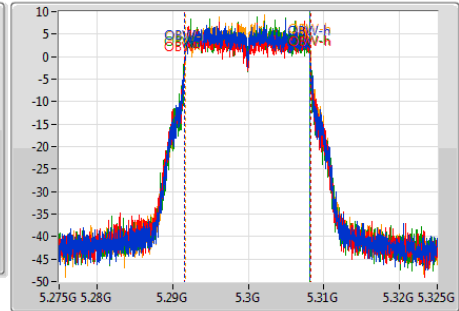
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample


802.11a_Nss1,(6Mbps)_4TX
EBW
5320MHz

24/07/2018

Ch Freq
5.32GHz

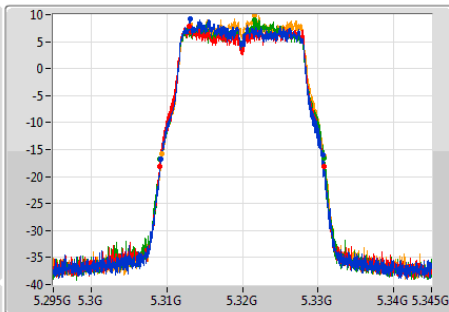
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



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
21.45M	5.3092G	5.33065G	16.517M	5.311629G	5.328146G	Inf	1
21.8M	5.309G	5.3308G	16.667M	5.311579G	5.328246G	Inf	2
21.725M	5.309125G	5.33085G	16.542M	5.311654G	5.328196G	Inf	3
21.425M	5.30935G	5.330775G	16.567M	5.311679G	5.328246G	Inf	4

Ch Freq
5.32GHz

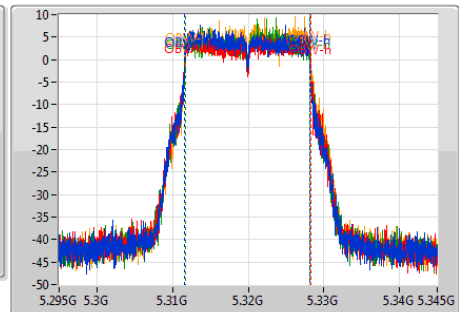
Span
50MHz

RBW
200kHz

VBW
1MHz

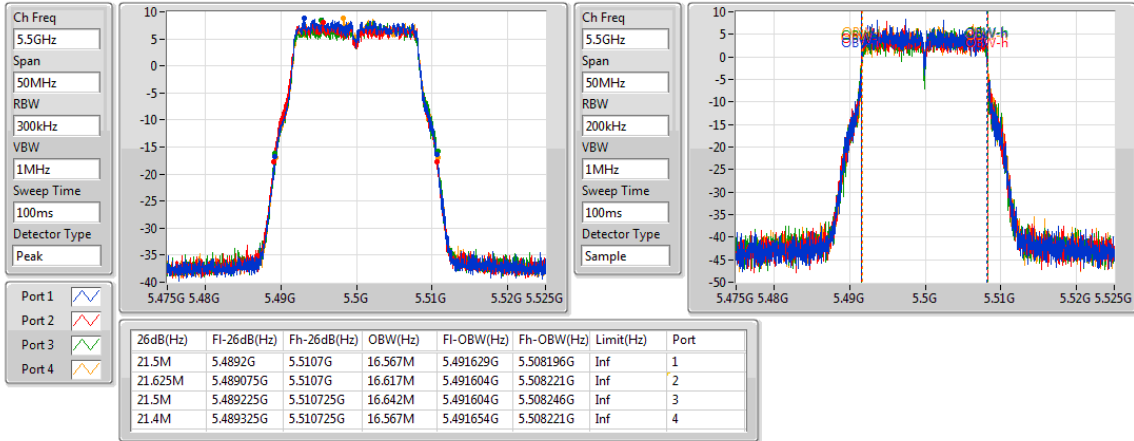
Sweep Time
100ms

Detector Type
Sample

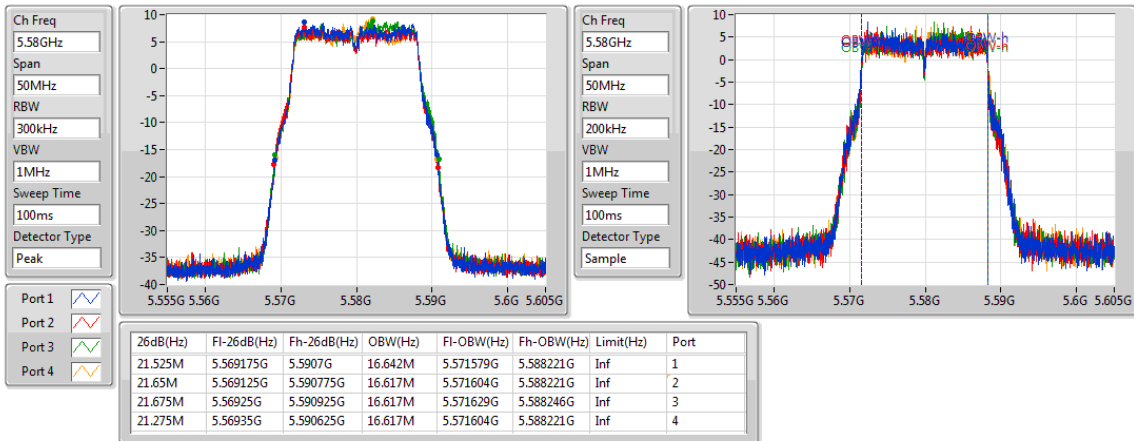


802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

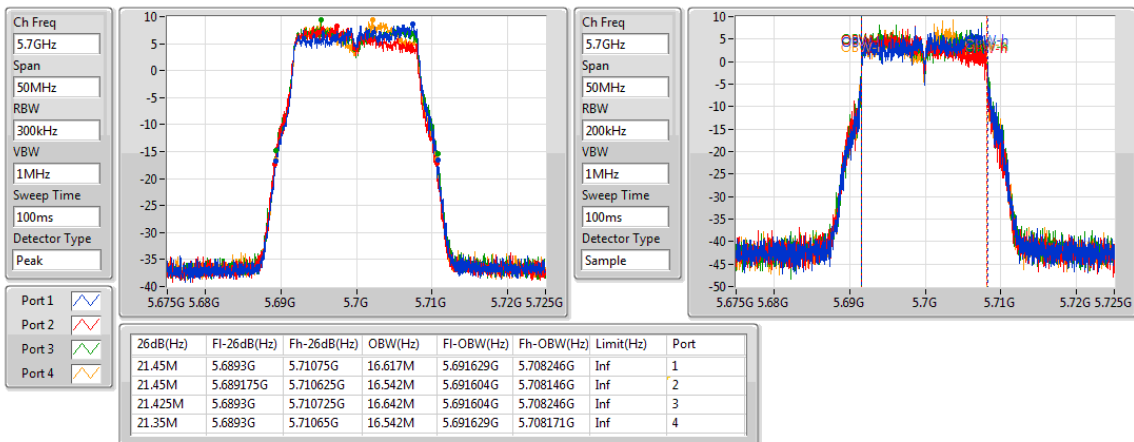
24/07/2018


802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

24/07/2018

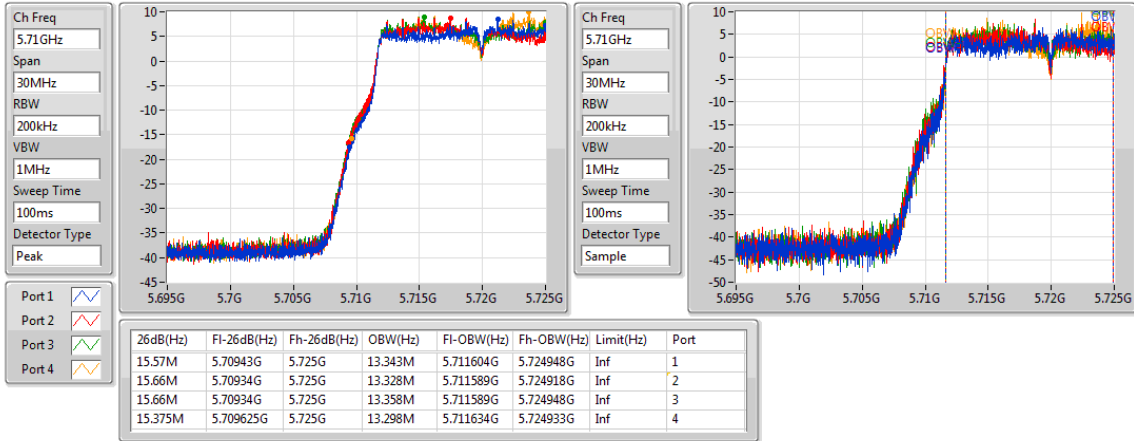

802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

24/07/2018

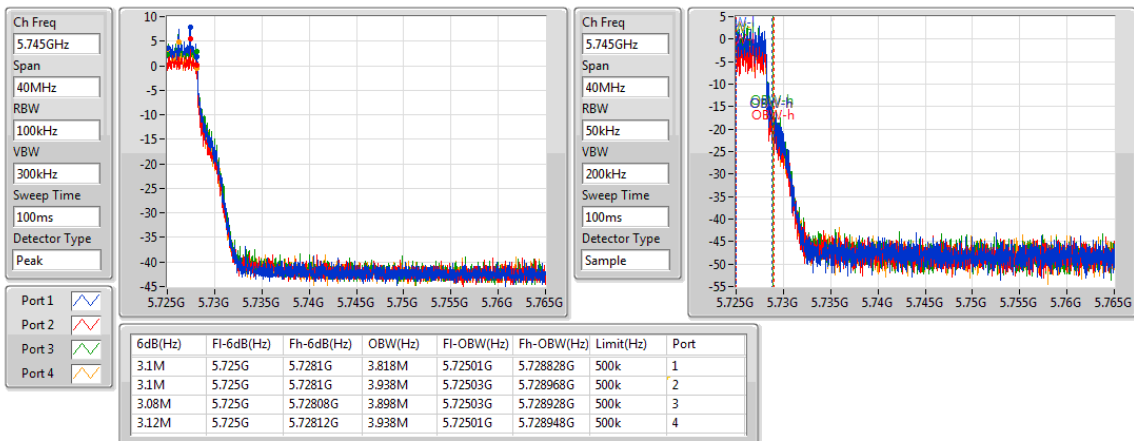


802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

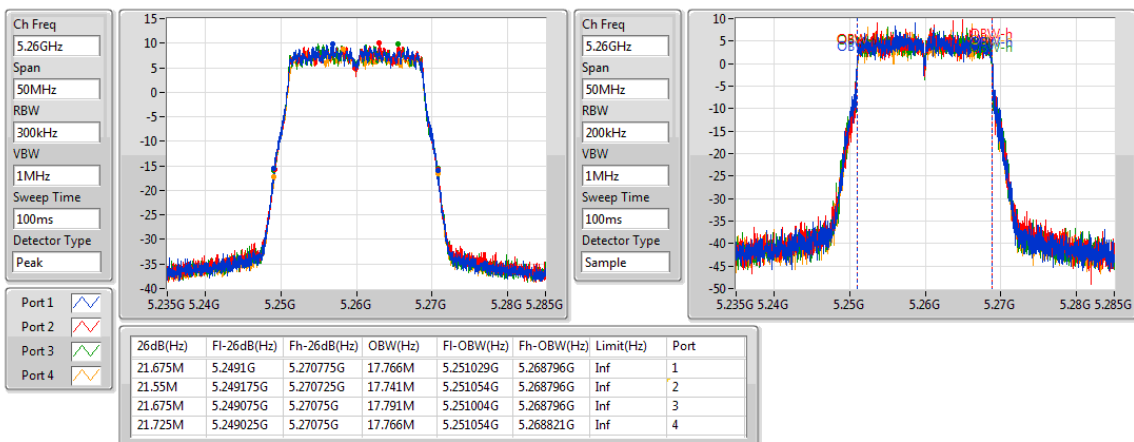
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802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

24/07/2018

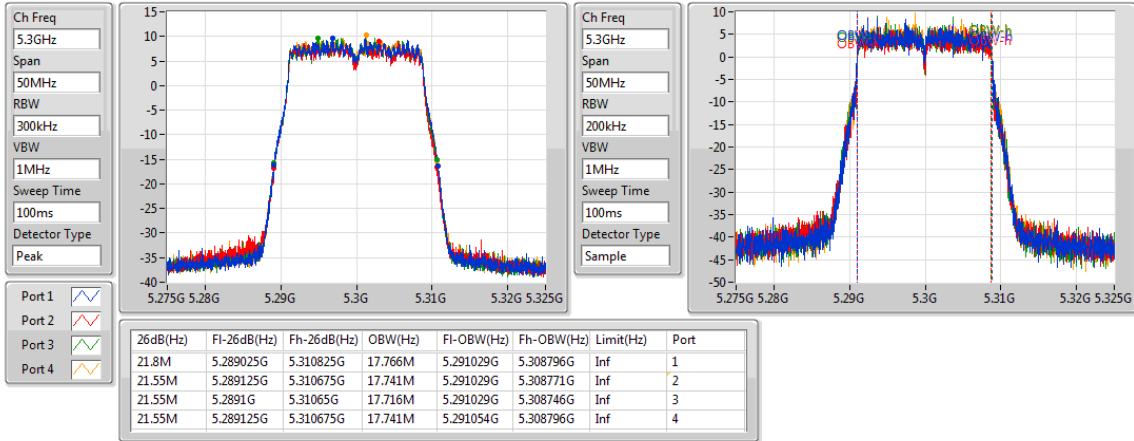

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5260MHz

24/07/2018

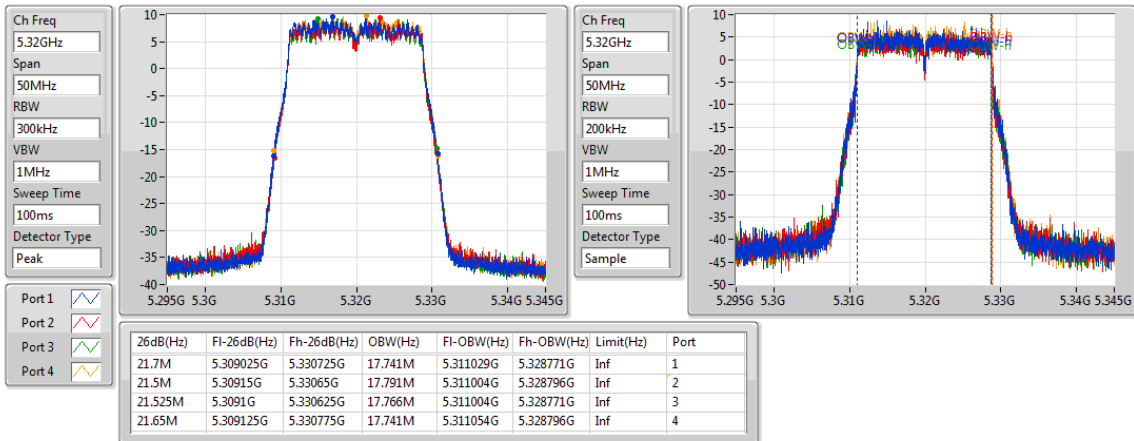


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5300MHz

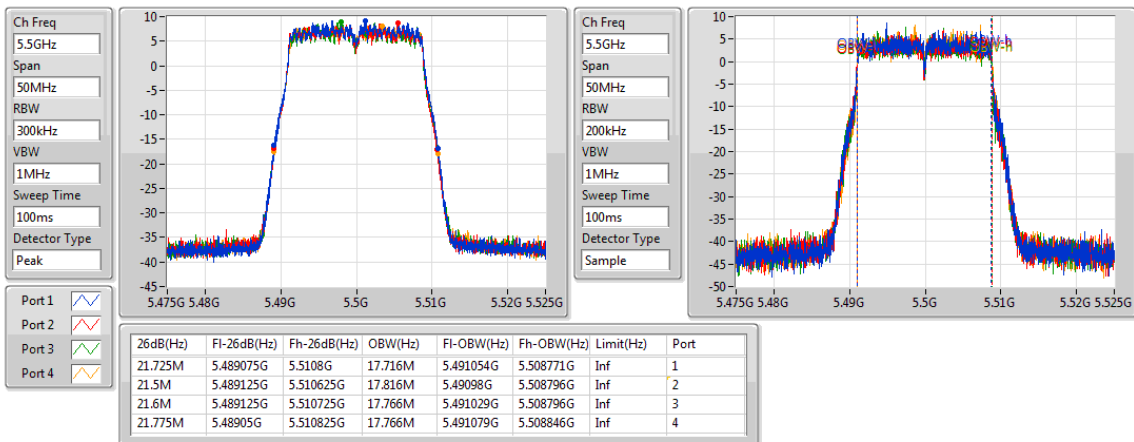
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802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5320MHz

24/07/2018


802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5500MHz

24/07/2018



802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5580MHz

24/07/2018

Ch Freq
5.58GHz

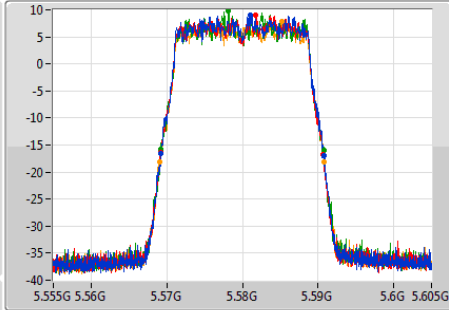
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.58GHz

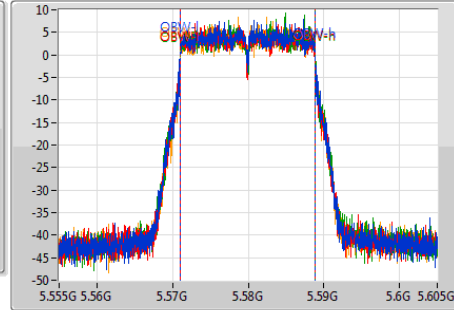
Span
50MHz

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
21.525M	5.56925G	5.590775G	17.791M	5.571004G	5.588796G	Inf	1
21.4M	5.56925G	5.59065G	17.816M	5.571004G	5.588821G	Inf	2
21.65M	5.56915G	5.5908G	17.791M	5.571029G	5.588821G	Inf	3
21.675M	5.5691G	5.590775G	17.766M	5.571079G	5.588846G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5700MHz

24/07/2018

Ch Freq
5.7GHz

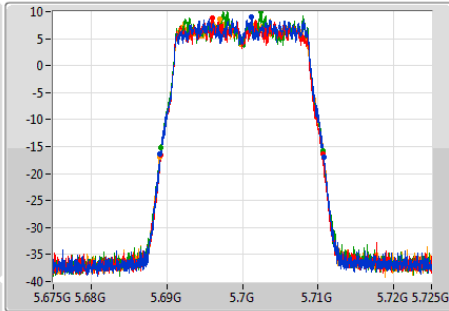
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.7GHz

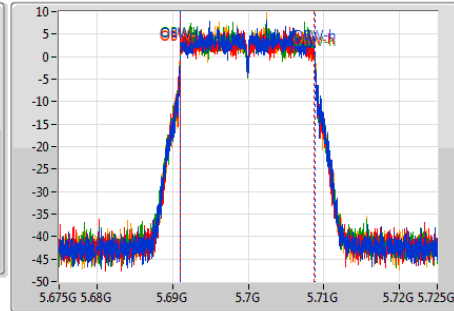
Span
50MHz

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
21.65M	5.689125G	5.710775G	17.741M	5.691079G	5.708821G	Inf	1
21.4M	5.6892G	5.7106G	17.791M	5.69098G	5.708771G	Inf	2
21.4M	5.689225G	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

24/07/2018

Ch Freq
5.71GHz

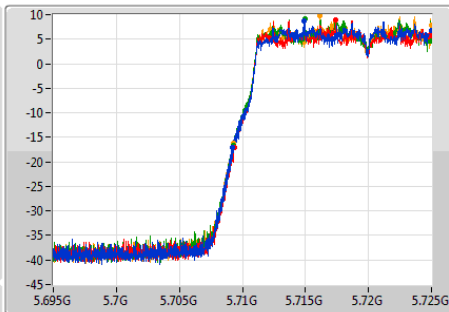
Span
30MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.71GHz

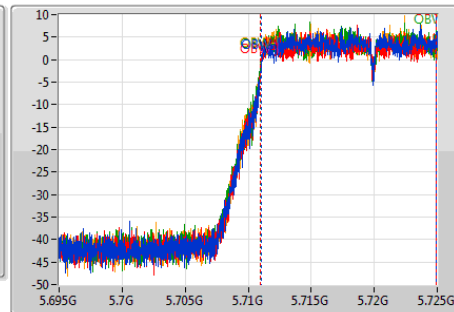
Span
30MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

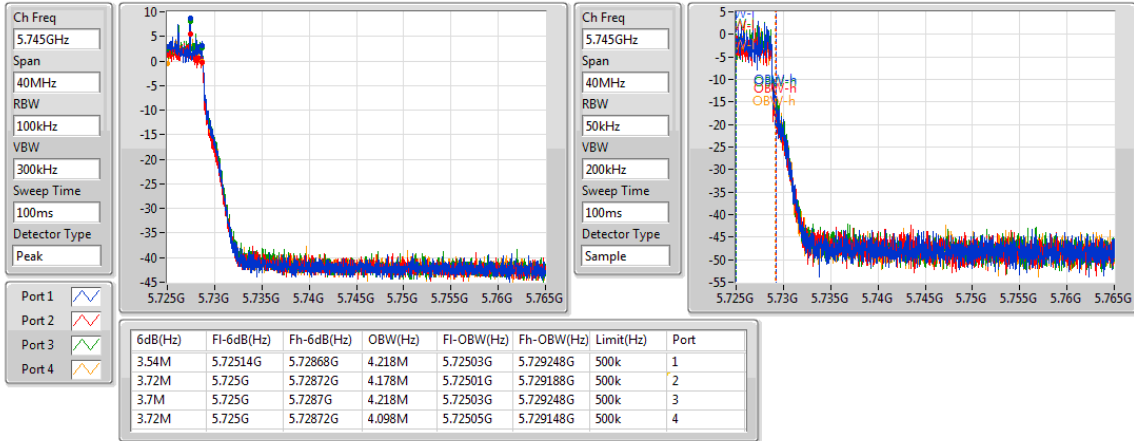
Detector Type
Sample



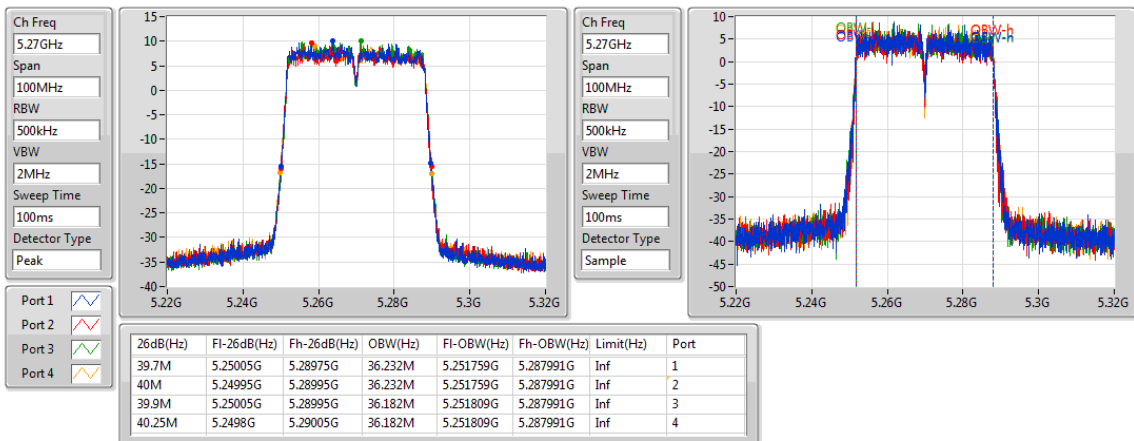
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.78M	5.70922G	5.725G	13.913M	5.711019G	5.724933G	Inf	1
15.645M	5.709355G	5.725G	13.973M	5.710975G	5.724948G	Inf	2
15.75M	5.70925G	5.725G	13.928M	5.71099G	5.724918G	Inf	3
15.705M	5.709295G	5.725G	13.943M	5.710975G	5.724918G	Inf	4

802.11ac VHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

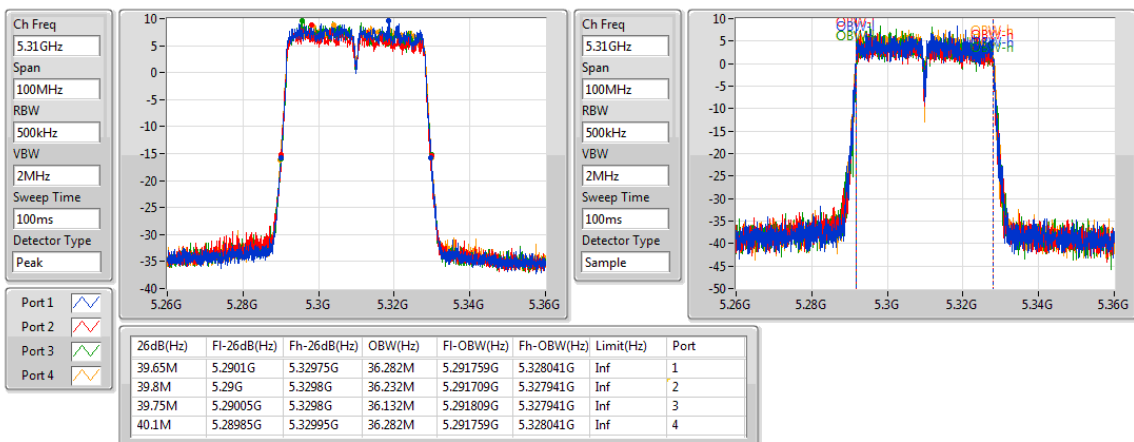
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802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5270MHz

24/07/2018


802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5310MHz

24/07/2018



802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5510MHz

24/07/2018

Ch Freq
5.51GHz

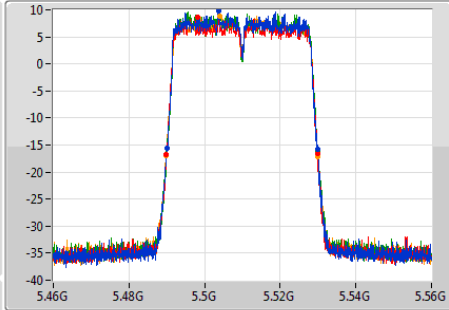
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.51GHz

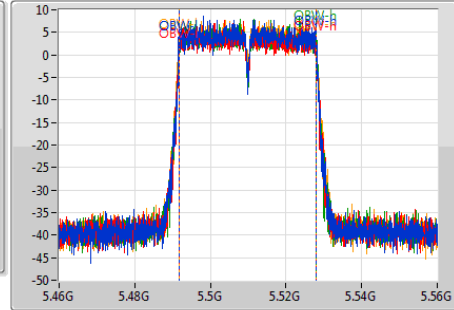
Span
100MHz

RBW
500kHz

VBW
2MHz

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
39.75M	5.4901G	5.52985G	36.232M	5.491759G	5.527991G	Inf	1
40.05M	5.4899G	5.52995G	36.232M	5.491759G	5.527991G	Inf	2
40.11M	5.48995G	5.53005G	36.282M	5.491809G	5.528091G	Inf	3
40.15M	5.4898G	5.52995G	36.182M	5.491809G	5.527991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5550MHz

24/07/2018

Ch Freq
5.55GHz

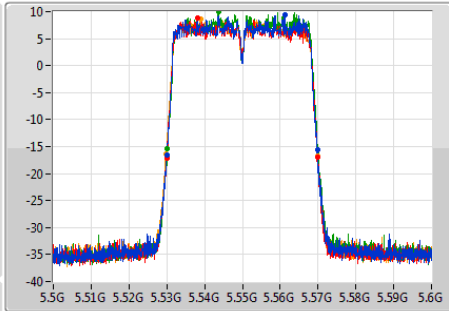
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.55GHz

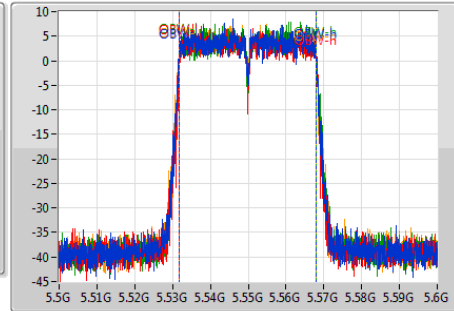
Span
100MHz

RBW
500kHz

VBW
2MHz

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
39.8M	5.53G	5.5698G	36.232M	5.531759G	5.567991G	Inf	1
40.05M	5.52995G	5.57G	36.232M	5.531759G	5.567991G	Inf	2
39.9M	5.5301G	5.57G	36.182M	5.531859G	5.568041G	Inf	3
40.2M	5.52975G	5.56995G	36.232M	5.531759G	5.567991G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5670MHz

24/07/2018

Ch Freq
5.67GHz

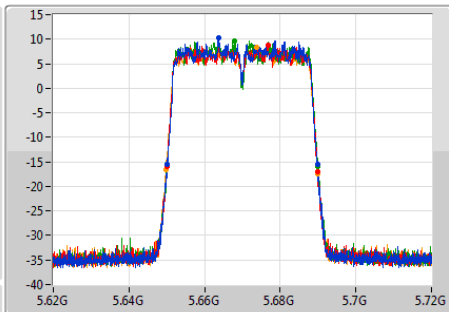
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.67GHz

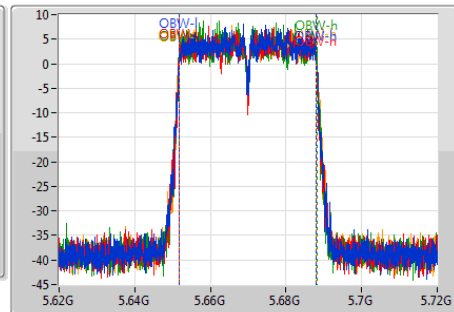
Span
100MHz

RBW
500kHz

VBW
2MHz

Sweep Time
100ms

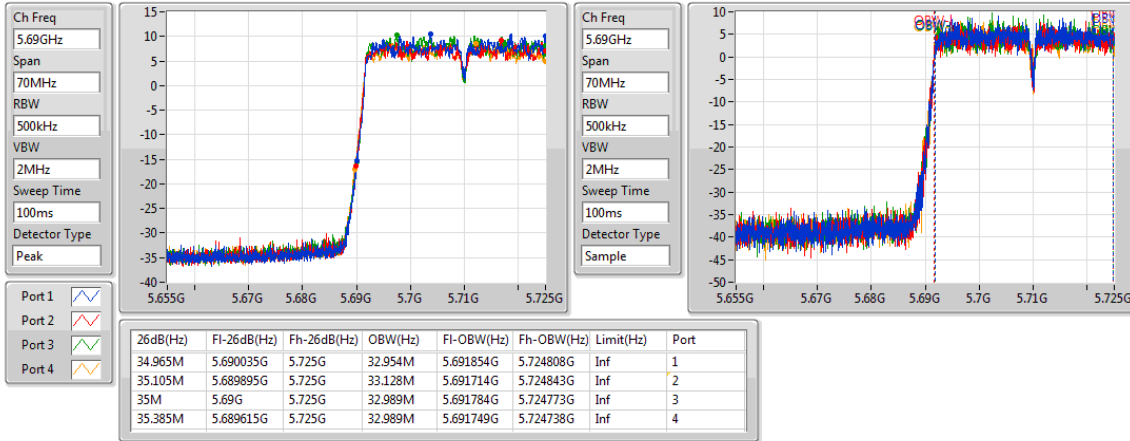
Detector Type
Sample



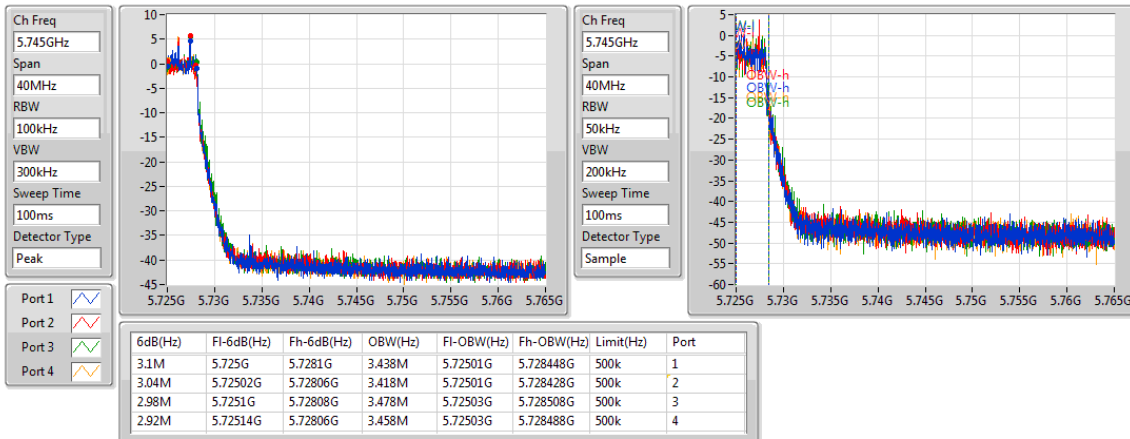
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.8M	5.65005G	5.68985G	36.232M	5.651809G	5.688041G	Inf	1
39.95M	5.65005G	5.69G	36.182M	5.651759G	5.687941G	Inf	2
39.95M	5.6501G	5.69005G	36.382M	5.651759G	5.688141G	Inf	3
40.25M	5.64975G	5.69G	36.232M	5.651709G	5.687941G	Inf	4

802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

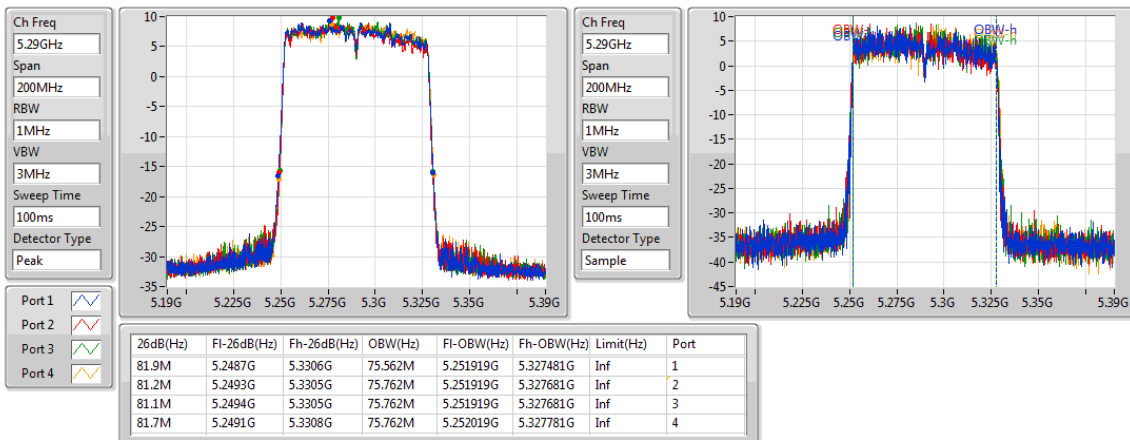
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802.11ac VHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

24/07/2018

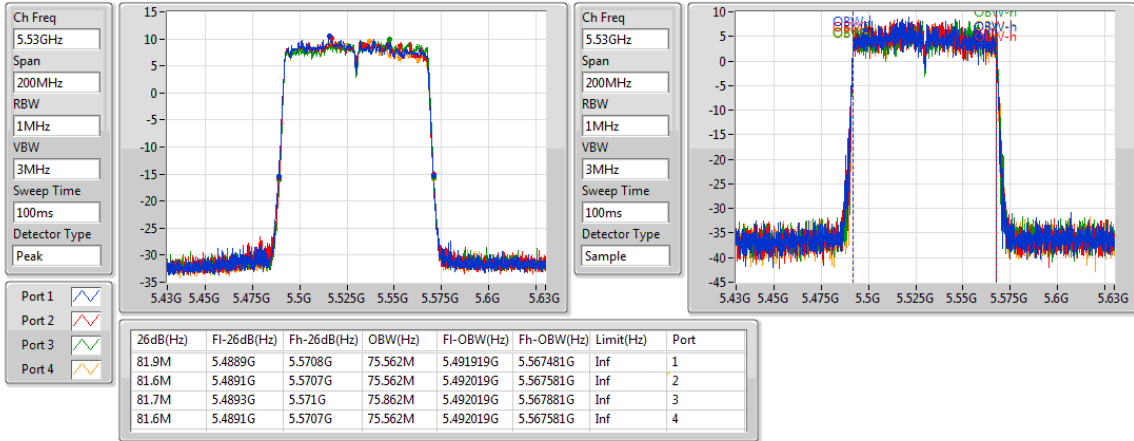

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5290MHz

24/07/2018

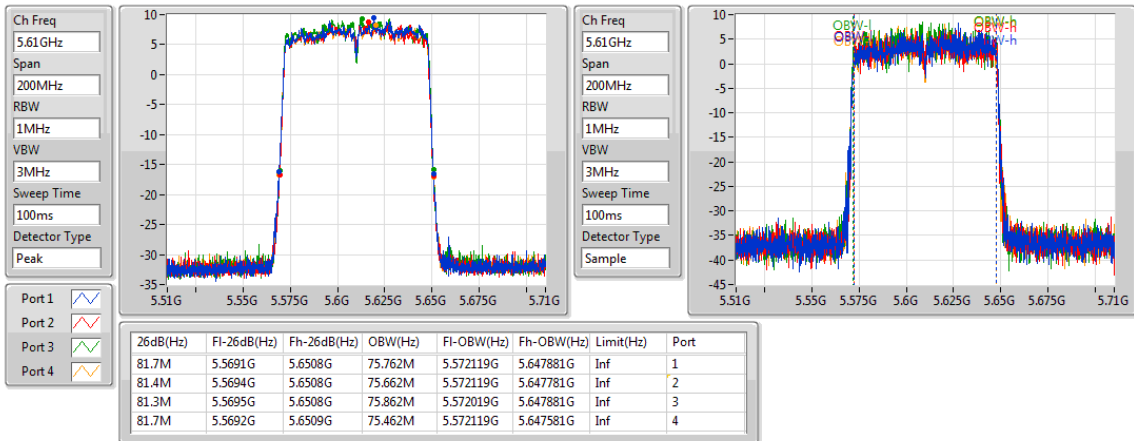


802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5530MHz

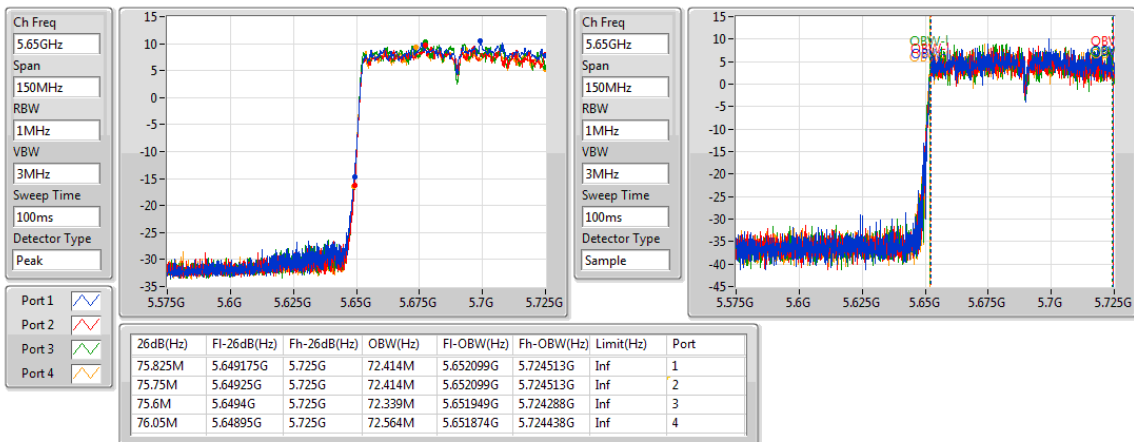
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802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5610MHz

24/07/2018

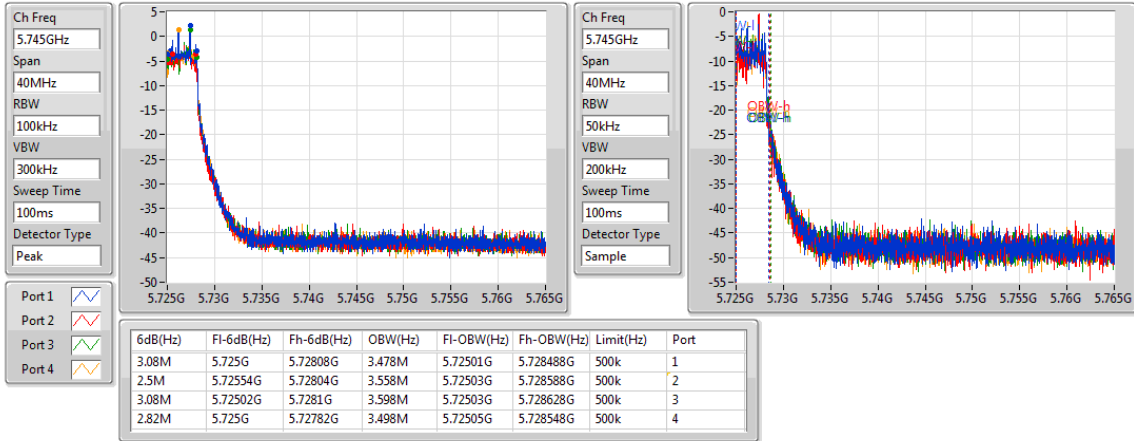

802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

24/07/2018

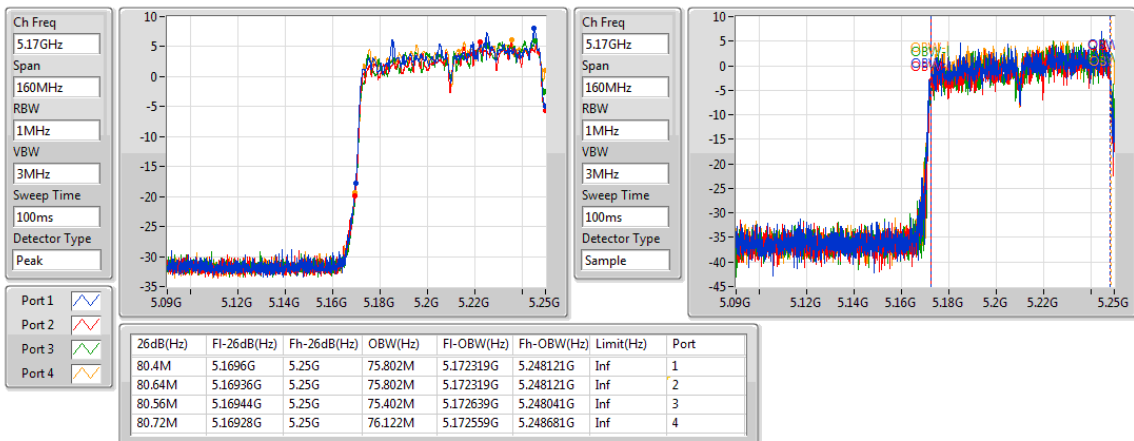


802.11ac VHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

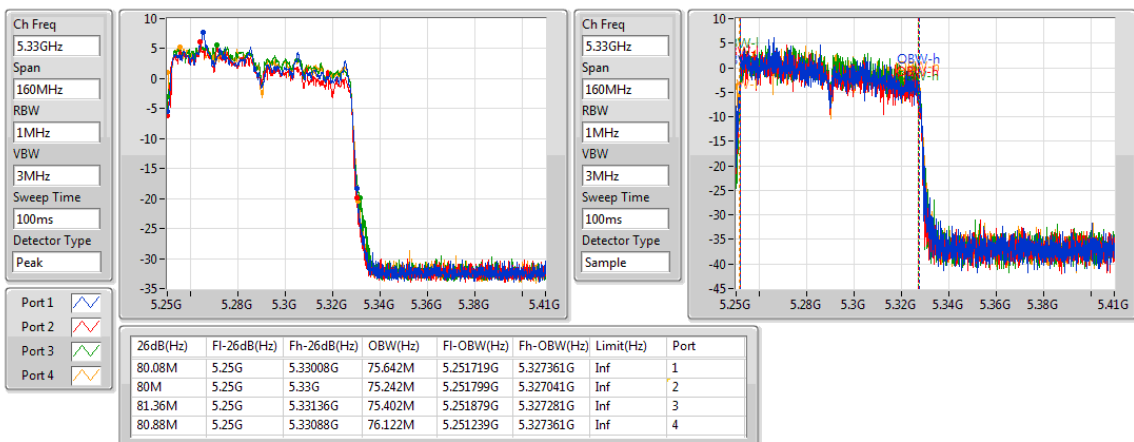
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802.11ac VHT160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

24/07/2018


802.11ac VHT160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

24/07/2018

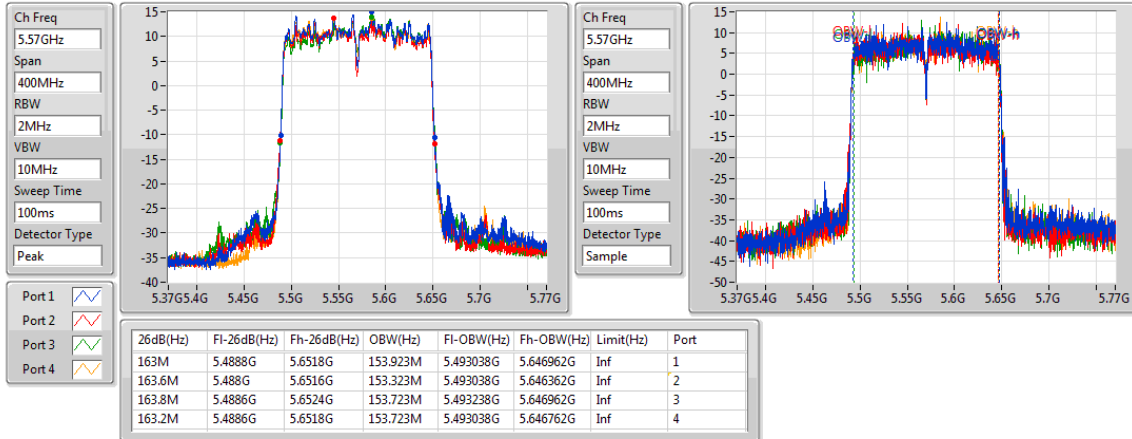


802.11ac VHT160_Nss1,(MCS0)_4TX

5570MHz

EBW

24/07/2018



For 802.11ax, 5GHz Band 1~4:
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	26.2M	19.04M	19M0D1D	21.475M	18.866M
802.11ax HEW40_Nss1,(MCS0)_4TX	46.3M	37.631M	37M6D1D	39.8M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.2M	77.061M	77M1D1D	81.3M	76.862M
802.11ax HEW160_Nss1,(MCS0)_4TX	80.56M	77.241M	77M2D1D	80.24M	76.762M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.725M	18.991M	19M0D1D	21.5M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.25M	37.681M	37M7D1D	39.75M	37.381M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.9M	76.962M	77M0D1D	81.4M	76.762M
802.11ax HEW160_Nss1,(MCS0)_4TX	80.8M	77.241M	77M2D1D	80.48M	76.522M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.75M	19.015M	19M0D1D	15.72M	14.453M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.681M	37M7D1D	34.965M	33.618M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.3M	77.361M	77M4D1D	75.825M	73.013M
802.11ax HEW160_Nss1,(MCS0)_4TX	163.8M	154.923M	155MD1D	162.6M	154.523M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	18.925M	19.015M	19M0D1D	4.38M	4.458M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.2M	37.681M	37M7D1D	3.34M	3.978M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.1M	77.061M	77M1D1D	2.76M	4.018M

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

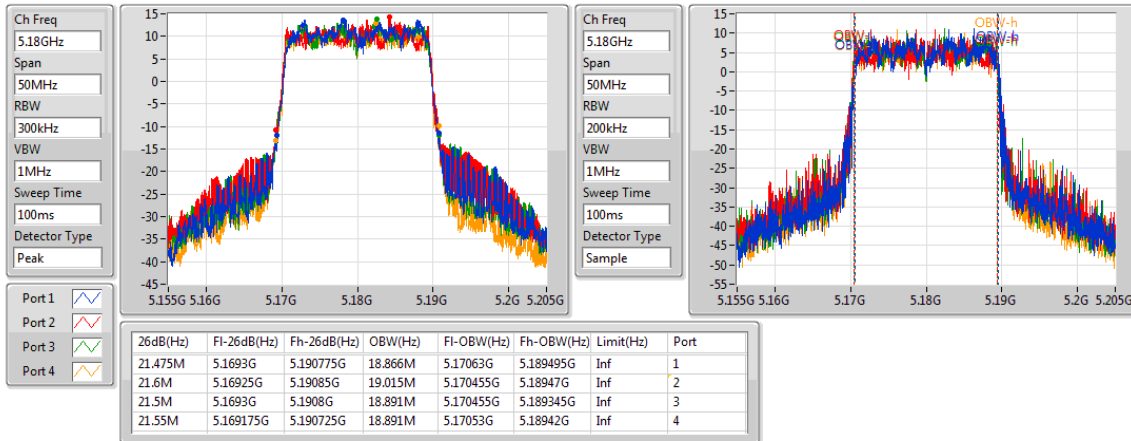
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.475M	18.866M	21.6M	19.015M	21.5M	18.891M	21.55M	18.891M
5200MHz	Pass	Inf	26.2M	18.966M	23.075M	19.04M	26.2M	18.916M	23.4M	18.966M
5240MHz	Pass	Inf	25.875M	19.015M	22.475M	19.04M	23.5M	18.966M	23.225M	18.991M
5260MHz	Pass	Inf	21.6M	18.941M	21.5M	18.991M	21.65M	18.941M	21.725M	18.941M
5300MHz	Pass	Inf	21.625M	18.966M	21.6M	18.966M	21.55M	18.991M	21.6M	18.966M
5320MHz	Pass	Inf	21.675M	18.941M	21.6M	18.991M	21.6M	18.941M	21.6M	18.941M
5500MHz	Pass	Inf	21.75M	18.966M	21.675M	18.966M	21.65M	18.941M	21.7M	18.941M
5580MHz	Pass	Inf	21.525M	18.991M	21.6M	18.916M	21.65M	18.991M	21.625M	18.991M
5700MHz	Pass	Inf	21.65M	18.991M	21.65M	18.941M	21.625M	18.941M	21.7M	19.015M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.825M	14.468M	15.72M	14.453M	15.81M	14.528M	15.78M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.458M	4.4M	4.498M	4.48M	4.518M	4.38M	4.498M
5745MHz	Pass	500k	18.4M	18.991M	18.15M	18.916M	18.225M	18.966M	18.9M	19.015M
5785MHz	Pass	500k	18.425M	18.991M	18.225M	18.966M	18.175M	18.966M	18.925M	18.991M
5825MHz	Pass	500k	18.425M	18.941M	18.65M	19.015M	17.175M	18.966M	17.3M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.8M	37.481M	39.8M	37.581M	40M	37.481M	40.1M	37.481M
5230MHz	Pass	Inf	46.3M	37.581M	39.85M	37.631M	40.2M	37.631M	40.1M	37.531M
5270MHz	Pass	Inf	40.1M	37.531M	39.85M	37.631M	40M	37.531M	40M	37.481M
5310MHz	Pass	Inf	39.95M	37.381M	39.75M	37.581M	40.2M	37.681M	40.25M	37.481M
5510MHz	Pass	Inf	40.1M	37.481M	39.85M	37.681M	39.95M	37.631M	39.95M	37.531M
5550MHz	Pass	Inf	39.9M	37.631M	39.95M	37.531M	40.1M	37.581M	40.2M	37.681M
5670MHz	Pass	Inf	39.8M	37.581M	40.05M	37.481M	40.05M	37.681M	40M	37.531M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.618M	34.965M	33.653M	35.14M	33.653M	35.035M	33.758M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.64M	3.998M	3.72M	3.978M	3.34M	3.998M	3.78M	3.998M
5755MHz	Pass	500k	36.75M	37.631M	36.3M	37.531M	36.7M	37.531M	36.3M	37.581M
5795MHz	Pass	500k	37.2M	37.581M	35.15M	37.581M	36.45M	37.431M	36.35M	37.681M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.2M	76.962M	82.1M	77.061M	81.9M	76.962M	81.3M	76.862M
5290MHz	Pass	Inf	81.9M	76.962M	81.8M	76.962M	81.8M	76.962M	81.4M	76.762M
5530MHz	Pass	Inf	81.6M	76.962M	82.3M	77.361M	82.1M	77.261M	81.6M	77.061M
5610MHz	Pass	Inf	81.9M	76.962M	82M	77.161M	81.8M	76.762M	81.8M	77.261M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.825M	73.013M	75.9M	73.013M	76.2M	73.388M	75.975M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	2.76M	4.018M	3.3M	4.018M	3.08M	4.038M	3.68M	4.018M
5775MHz	Pass	500k	75.3M	77.061M	75.3M	76.962M	75.3M	76.962M	77.1M	76.962M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.24M	77.241M	80.4M	76.922M	80.48M	76.762M	80.56M	76.842M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.8M	77.241M	80.56M	76.522M	80.8M	76.602M	80.48M	76.522M
5570MHz	Pass	Inf	162.8M	154.723M	162.6M	154.923M	163.4M	154.723M	163.8M	154.523M

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

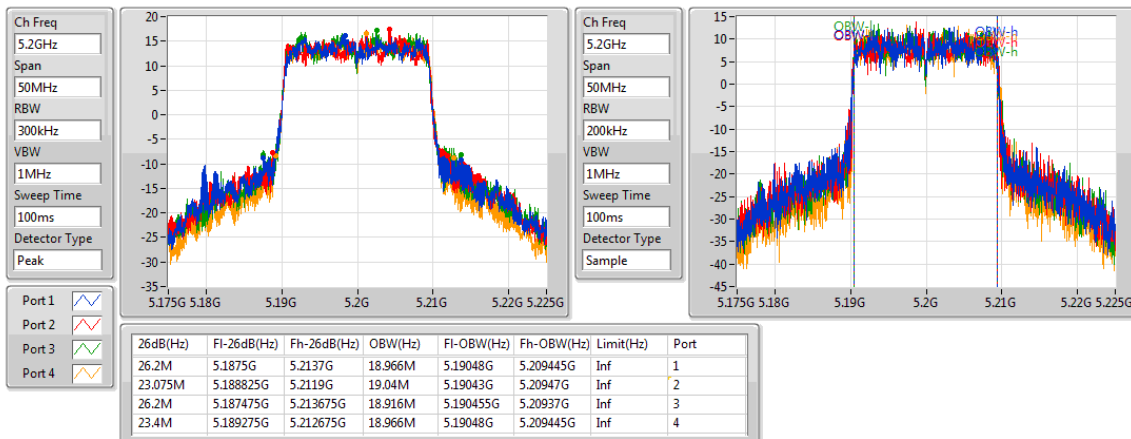
Port X-OBW = Port X 99% occupied bandwidth;

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5180MHz

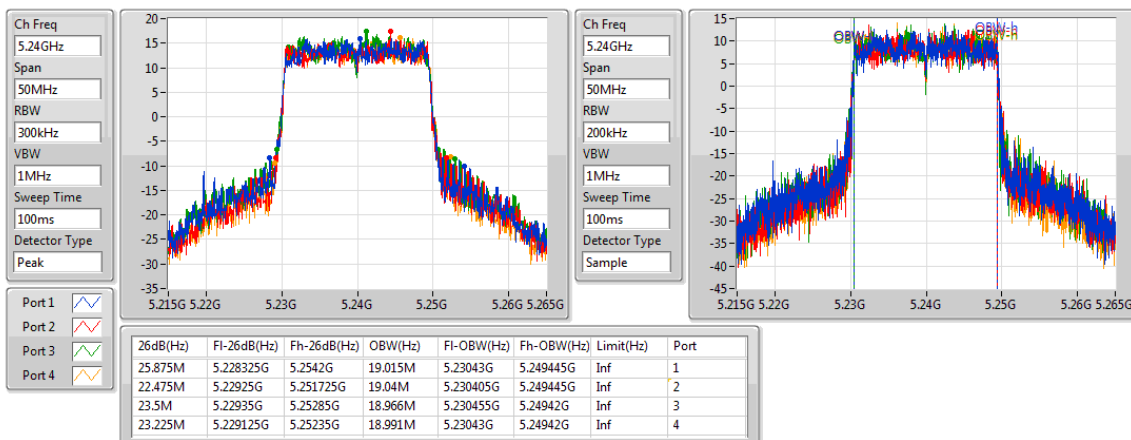
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802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5200MHz

31/07/2018


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5240MHz

31/07/2018



802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5260MHz

31/07/2018

Ch Freq
5.26GHz

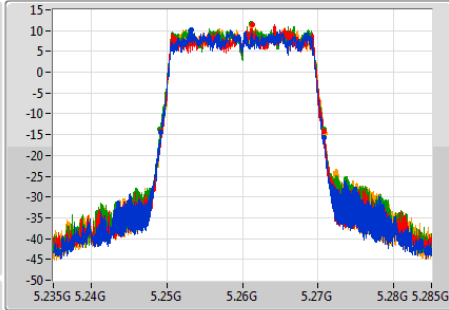
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.26GHz

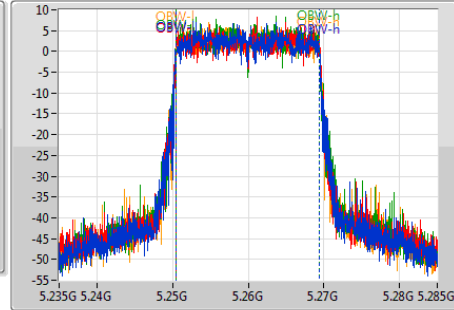
Span
50MHz

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
21.6M	5.249175G	5.270775G	18.941M	5.250455G	5.269395G	Inf	1
21.5M	5.24925G	5.27075G	18.991M	5.25043G	5.26942G	Inf	2
21.65M	5.249125G	5.270775G	18.941M	5.250455G	5.269395G	Inf	3
21.725M	5.24915G	5.270875G	18.941M	5.250455G	5.269395G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5300MHz

31/07/2018

Ch Freq
5.3GHz

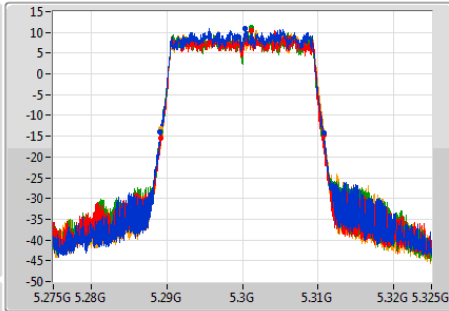
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.3GHz

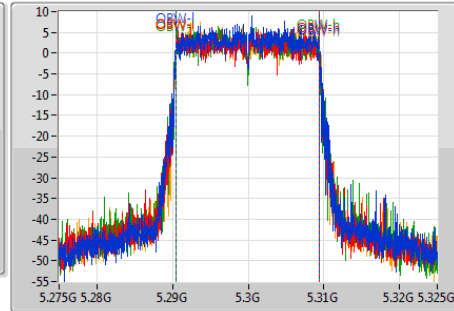
Span
50MHz

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
21.625M	5.289125G	5.31075G	18.966M	5.290455G	5.30942G	Inf	1
21.6M	5.289175G	5.310775G	18.966M	5.29043G	5.309395G	Inf	2
21.55M	5.289175G	5.310725G	18.991M	5.290405G	5.309395G	Inf	3
21.6M	5.28925G	5.31085G	18.966M	5.290455G	5.30942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5320MHz

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Ch Freq
5.32GHz

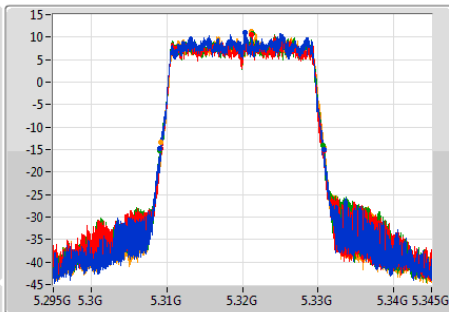
Span
50MHz

RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Ch Freq
5.32GHz

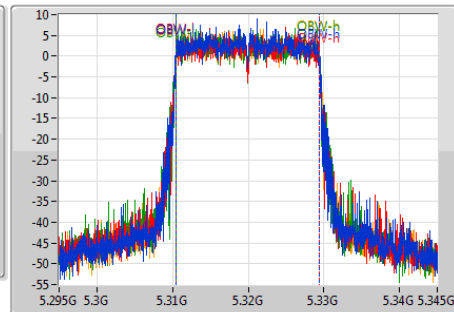
Span
50MHz

RBW
200kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Sample



Port 1

Port 2

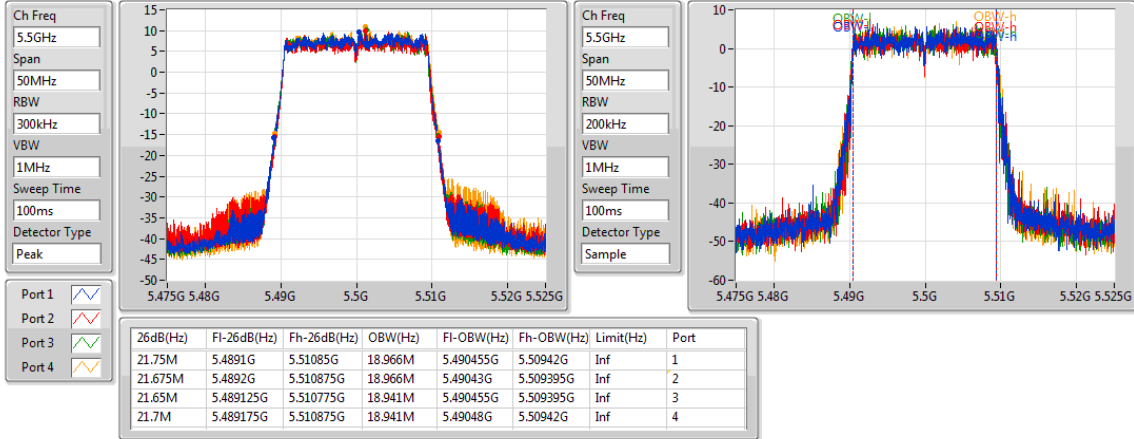
Port 3

Port 4

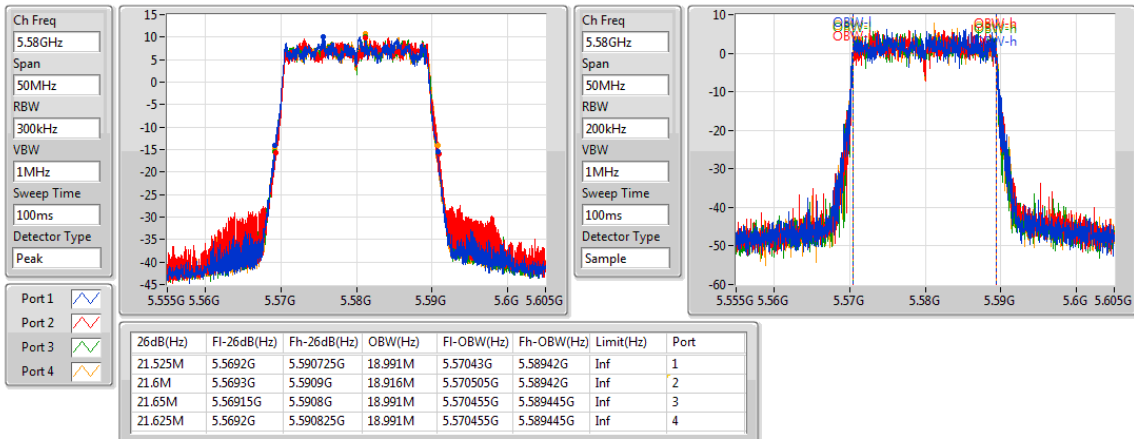
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.675M	5.3091G	5.330775G	18.941M	5.310455G	5.329395G	Inf	1
21.6M	5.3092G	5.3308G	18.991M	5.31043G	5.32942G	Inf	2
21.6M	5.3091G	5.3307G	18.941M	5.310455G	5.329395G	Inf	3
21.6M	5.30925G	5.33085G	18.941M	5.31048G	5.32942G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

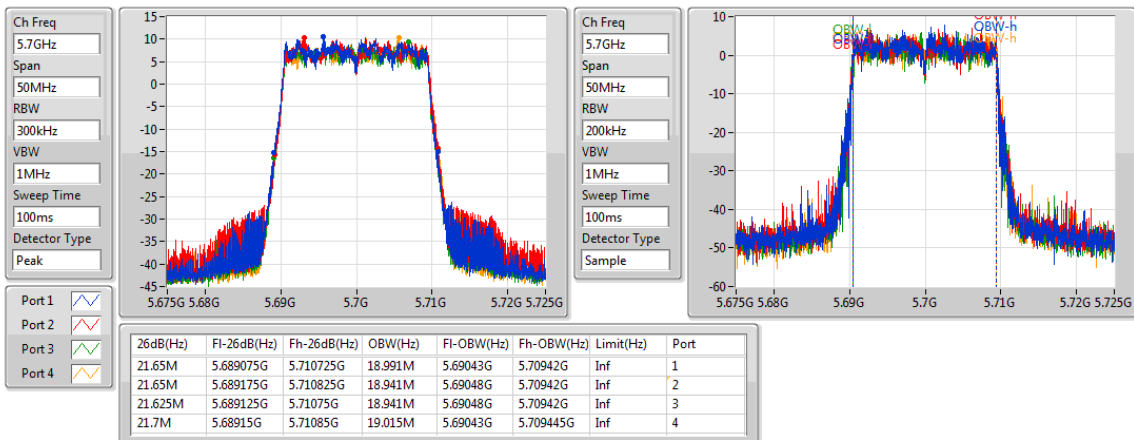
31/07/2018


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

31/07/2018

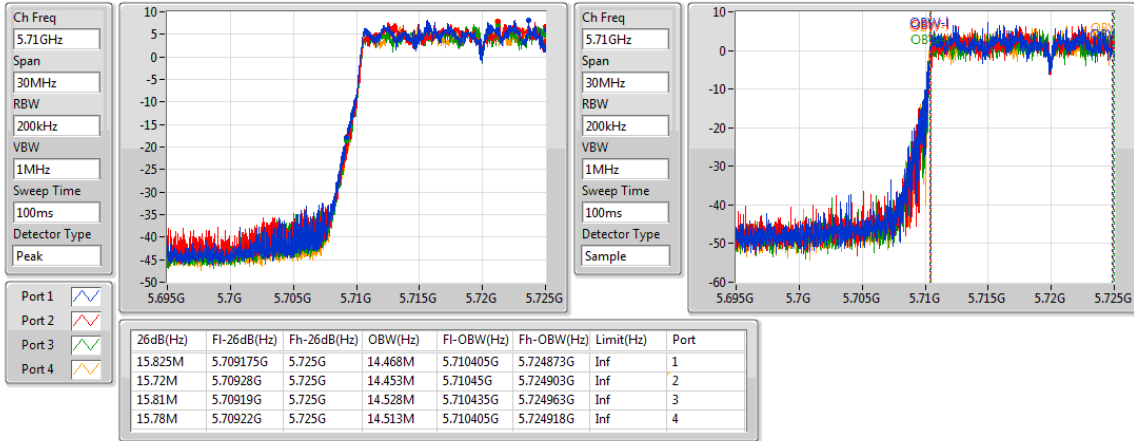

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

31/07/2018

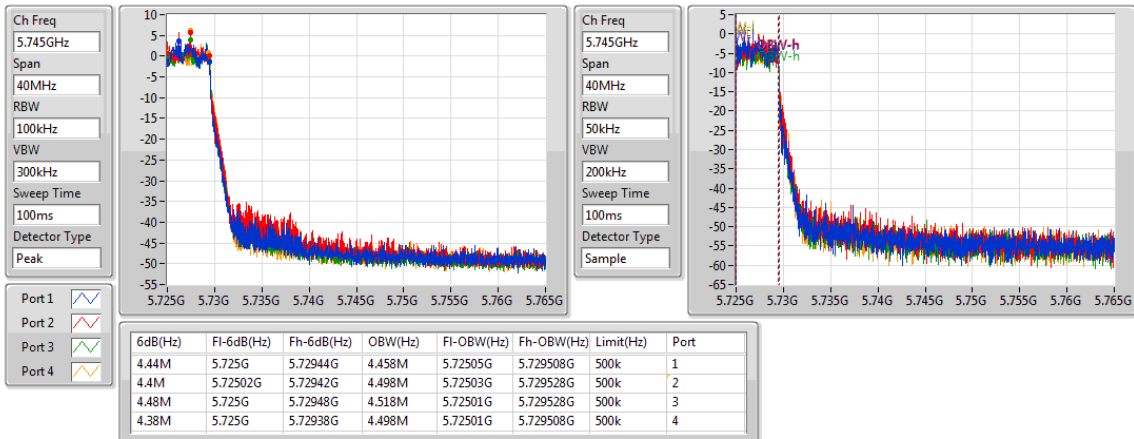


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

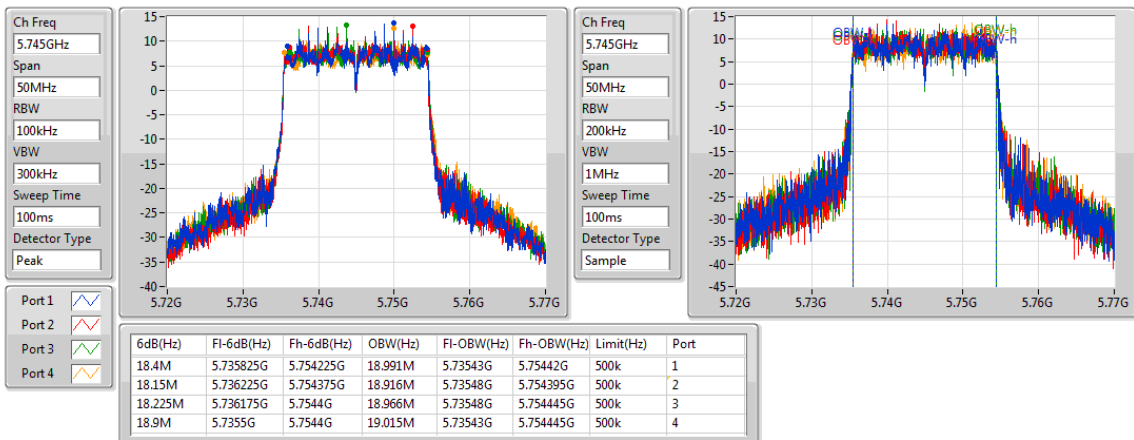
31/07/2018


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

31/07/2018

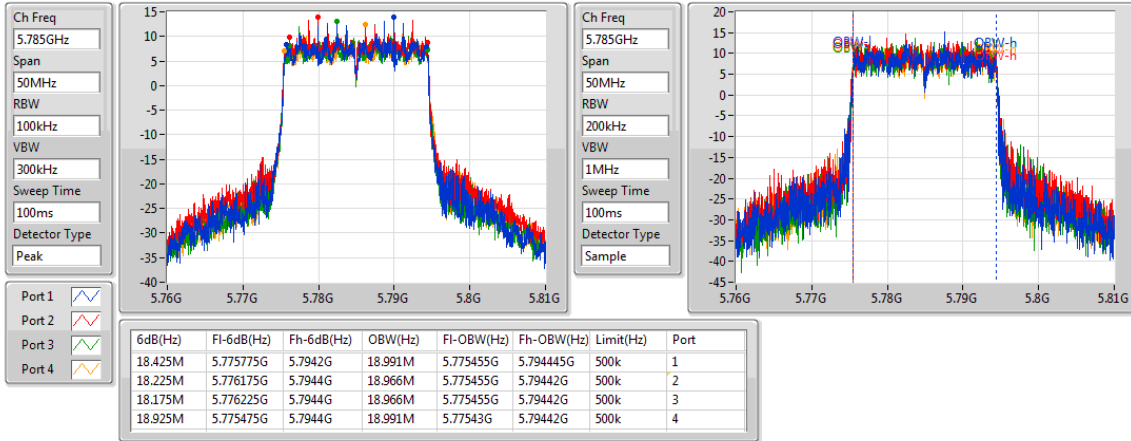

802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5745MHz

31/07/2018

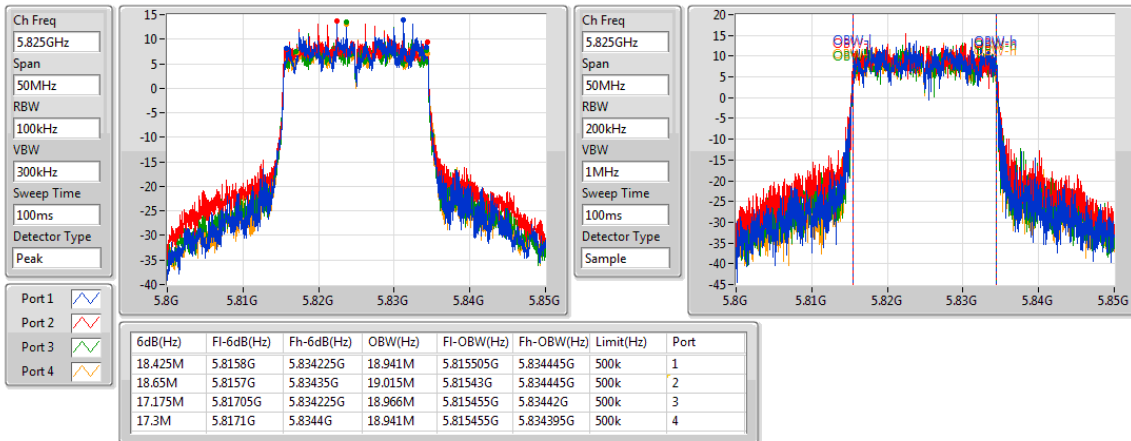


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5785MHz

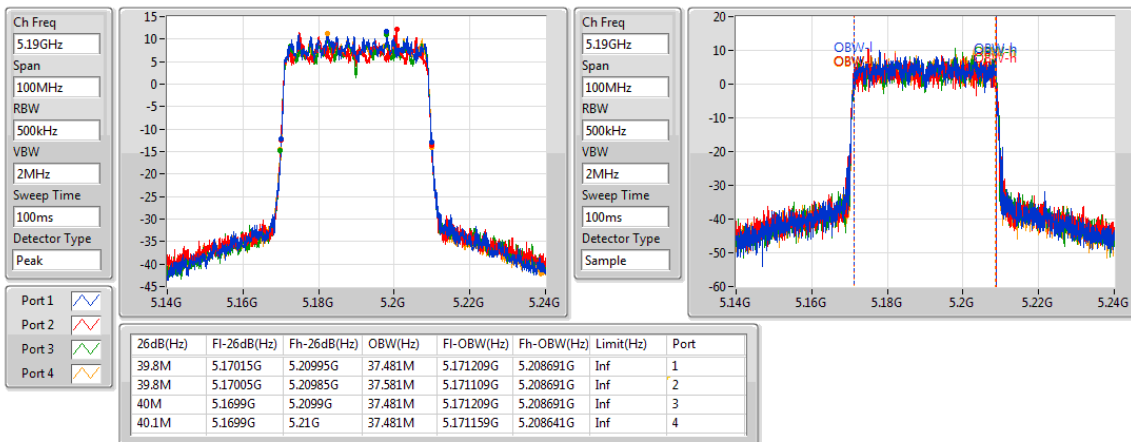
31/07/2018


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

31/07/2018

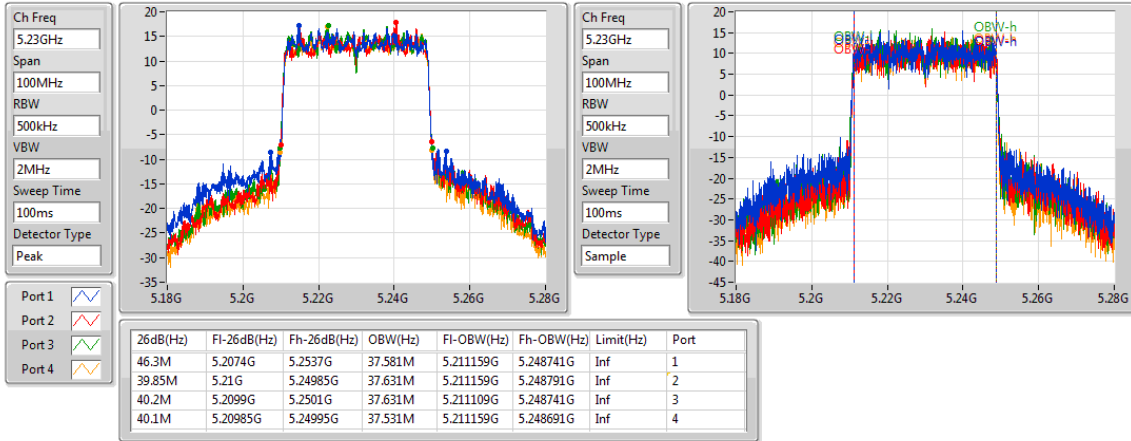

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5190MHz

31/07/2018

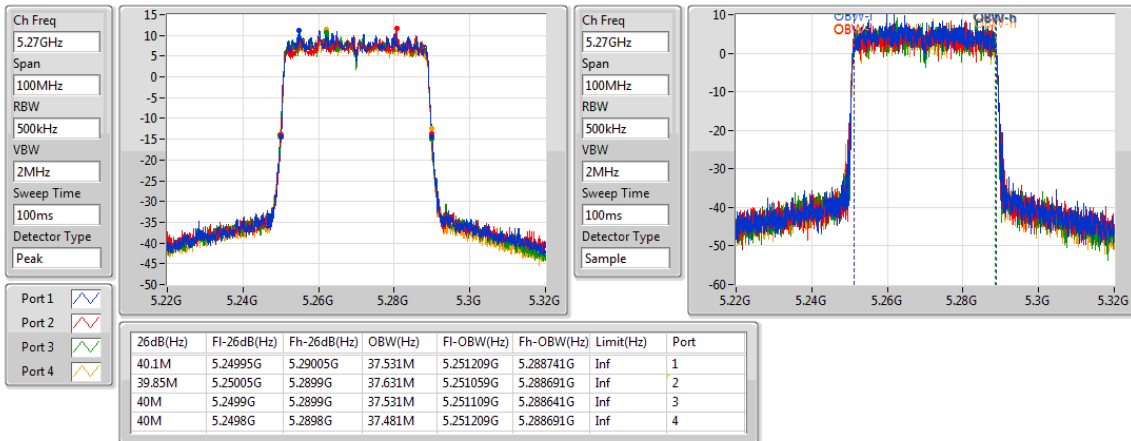


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5230MHz

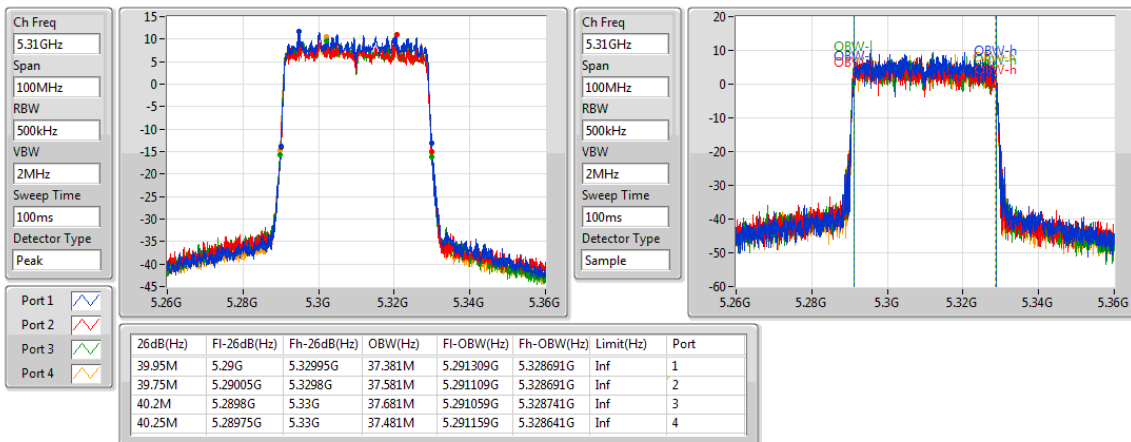
31/07/2018


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5270MHz

31/07/2018


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5310MHz

31/07/2018

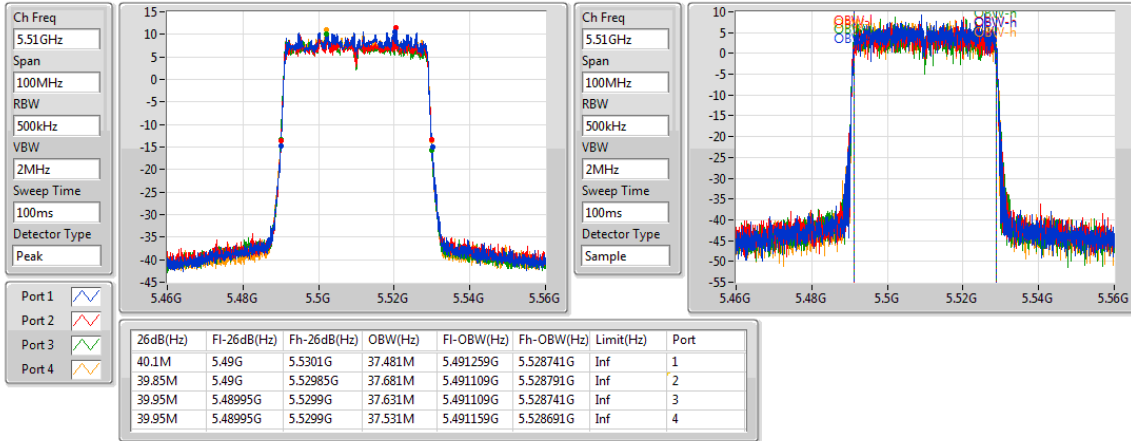


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

31/07/2018

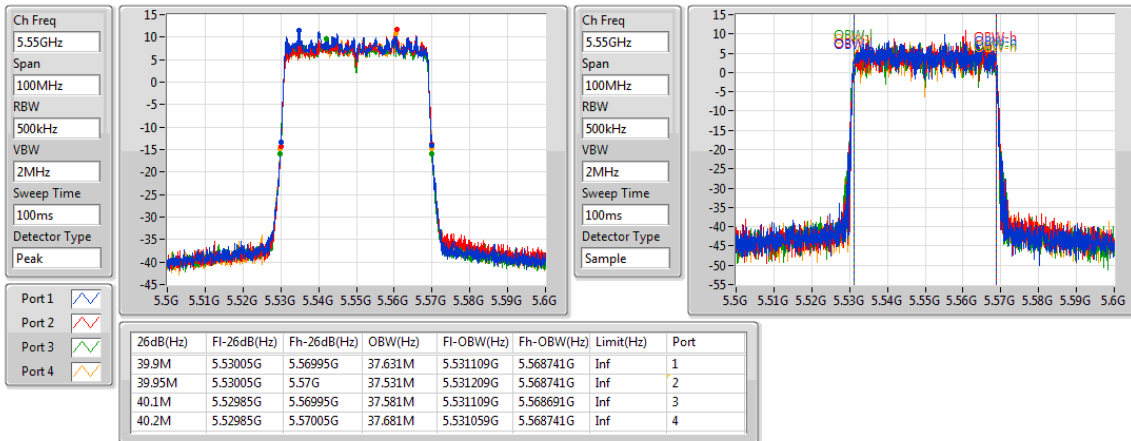


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

31/07/2018

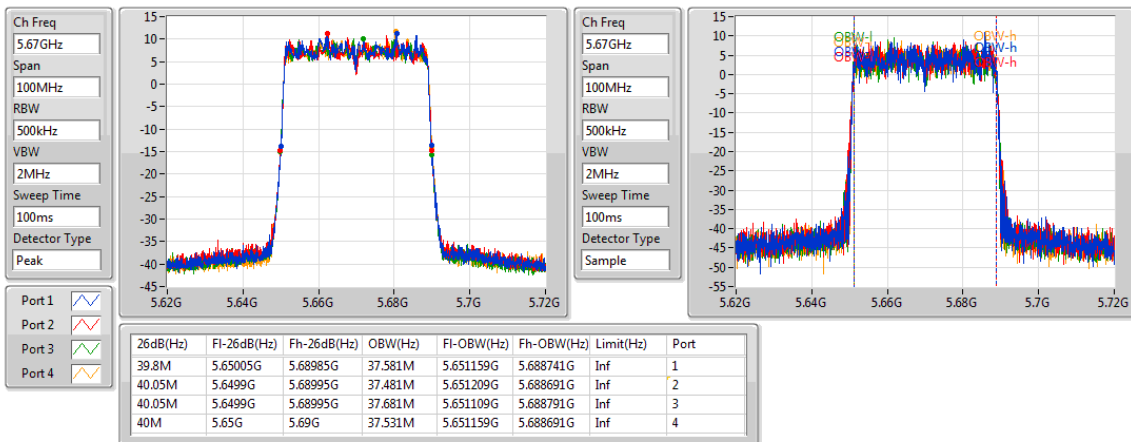


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

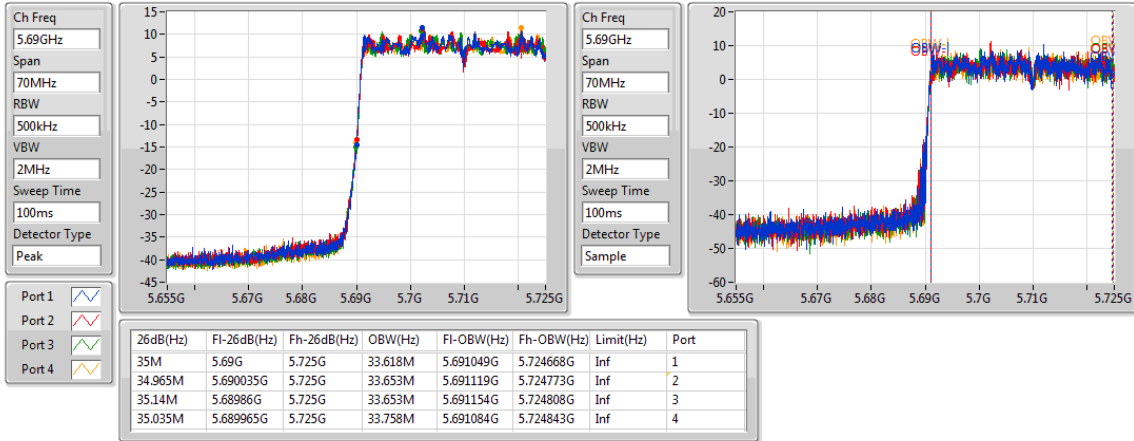
5670MHz

31/07/2018

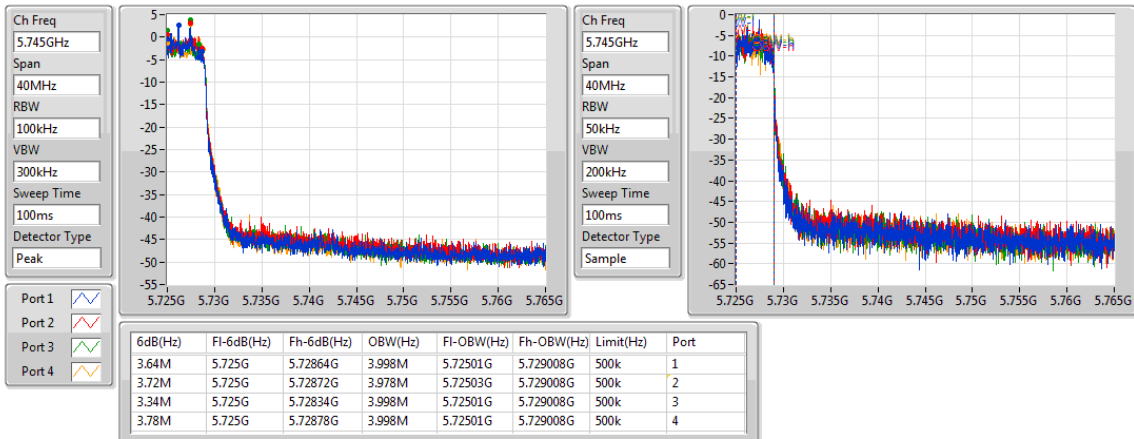


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

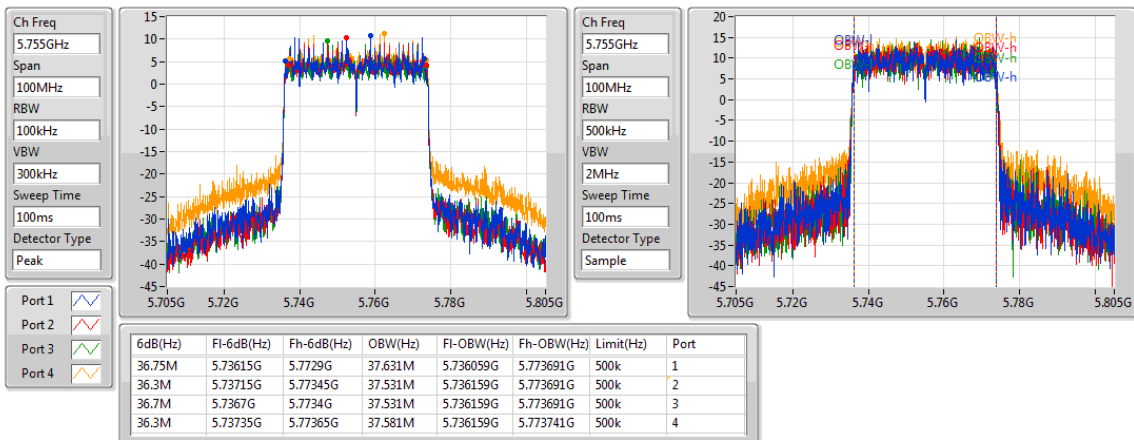
31/07/2018


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

31/07/2018

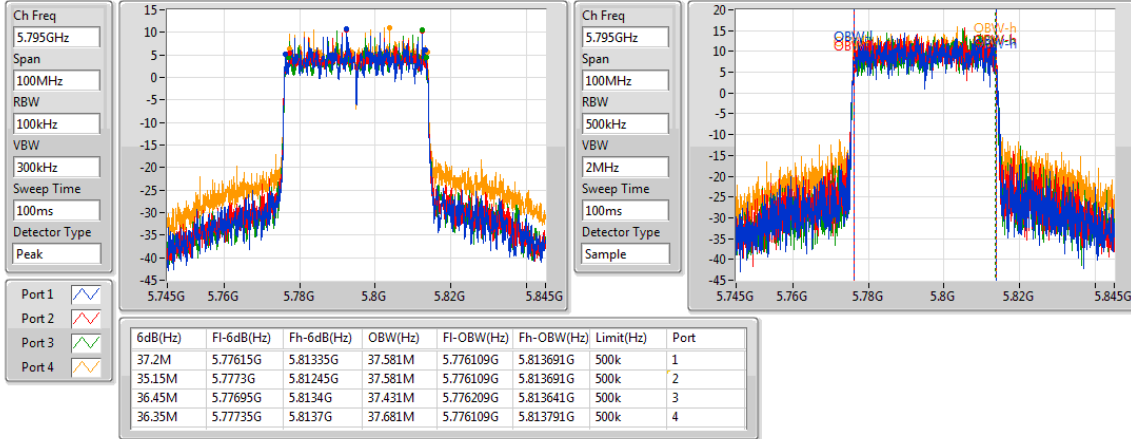

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

31/07/2018

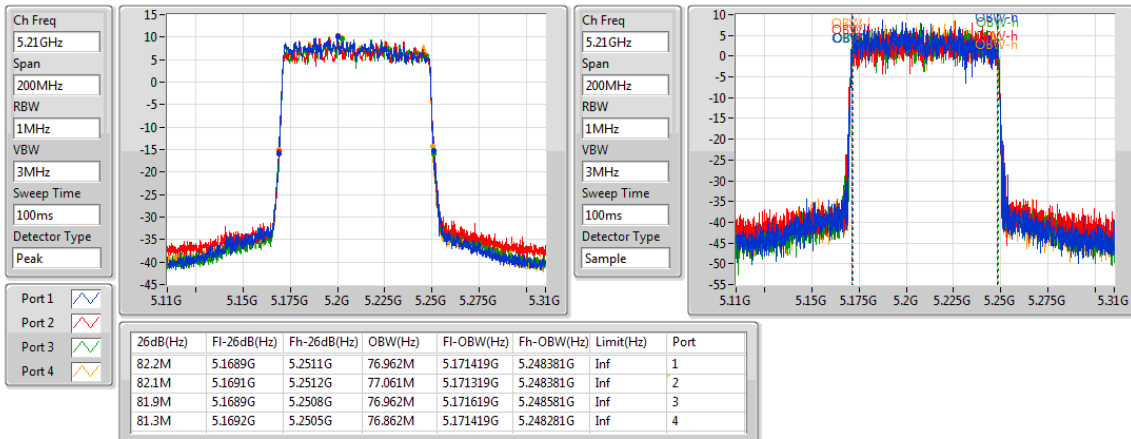


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

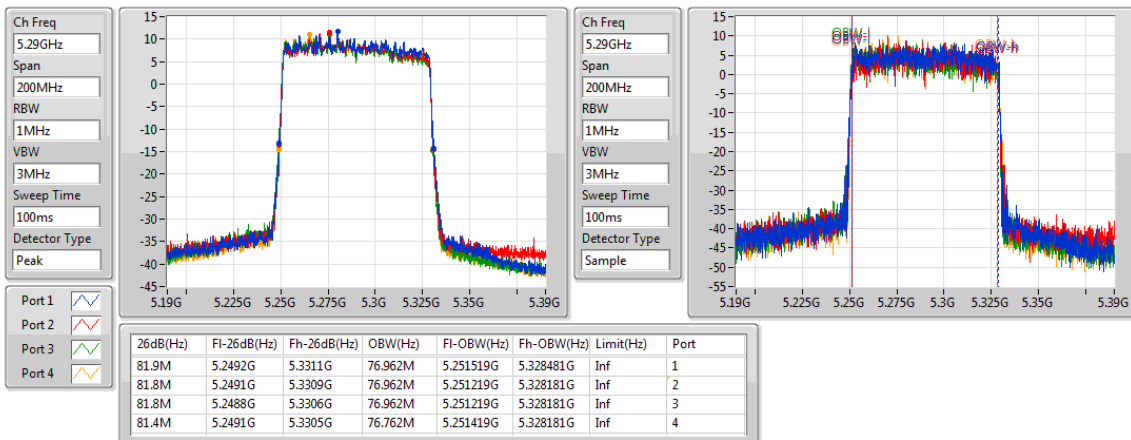
31/07/2018


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

31/07/2018

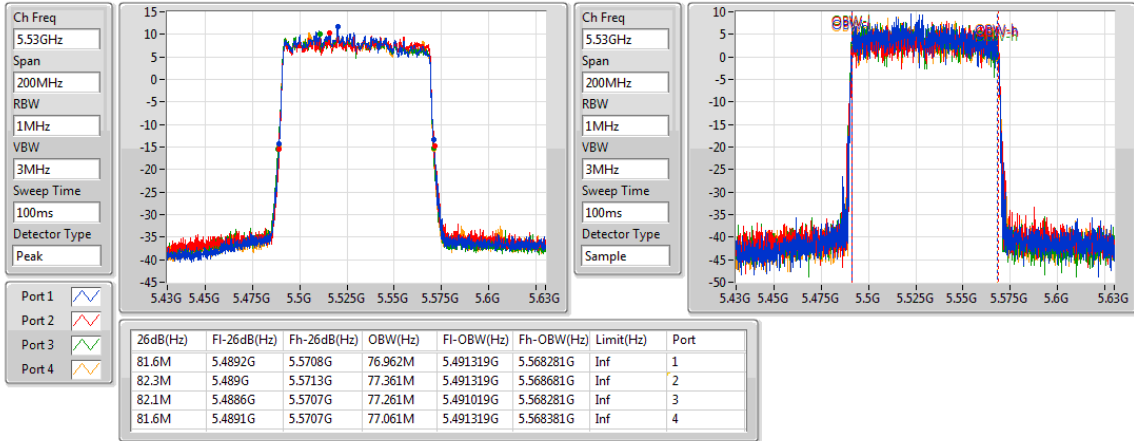

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5290MHz

31/07/2018

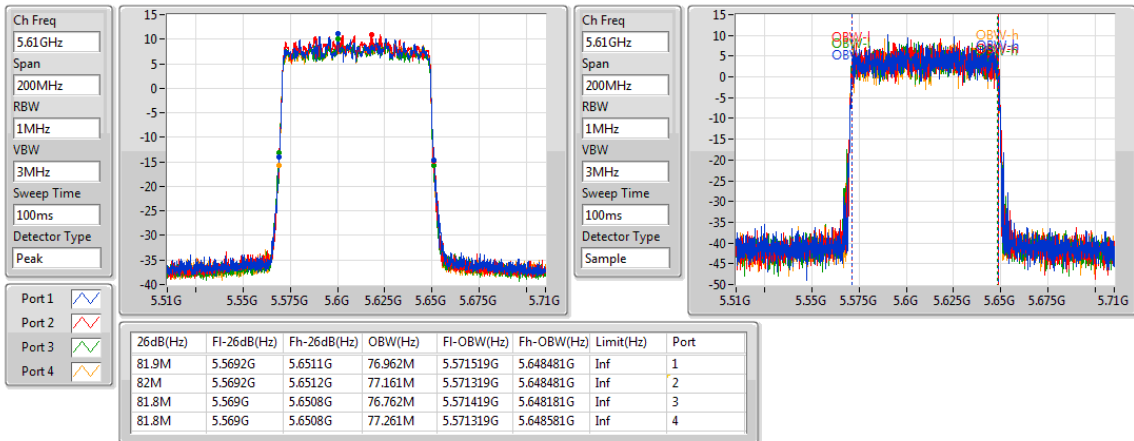


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5530MHz

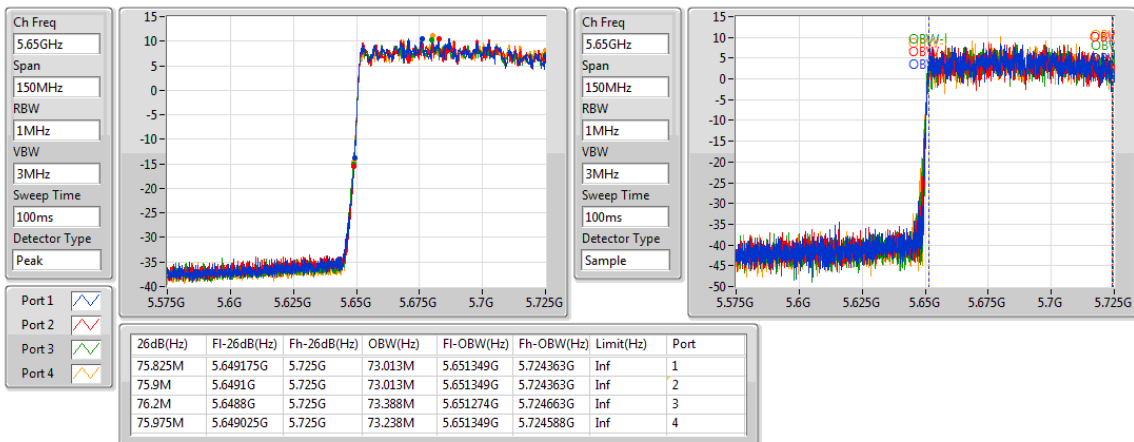
31/07/2018


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5610MHz

31/07/2018

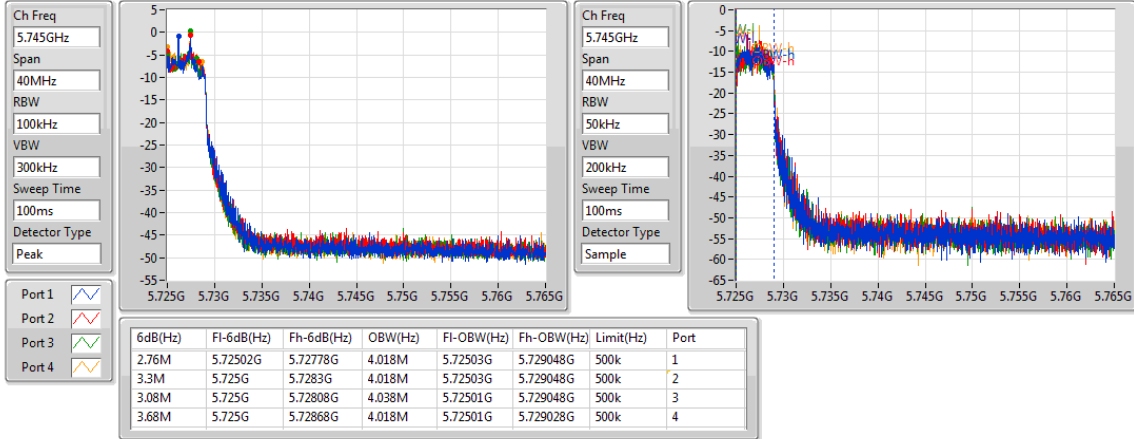

802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

31/07/2018

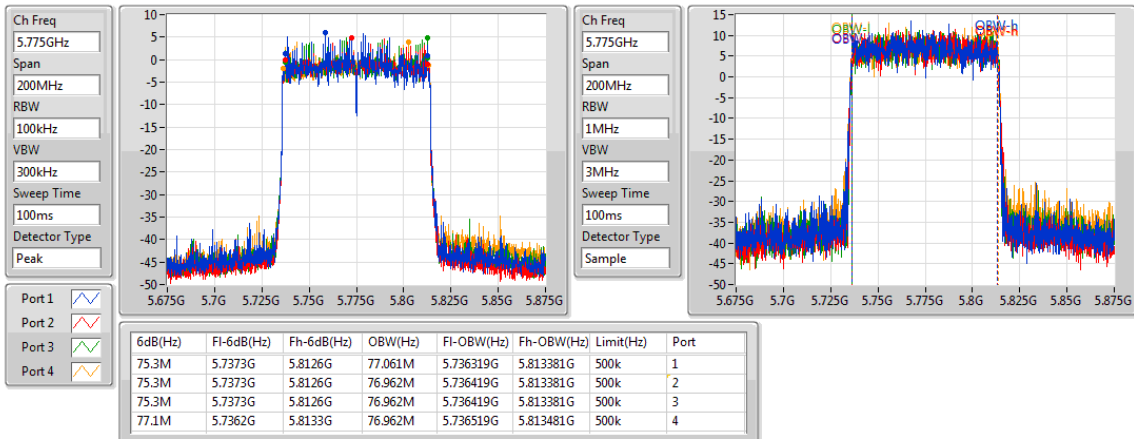


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

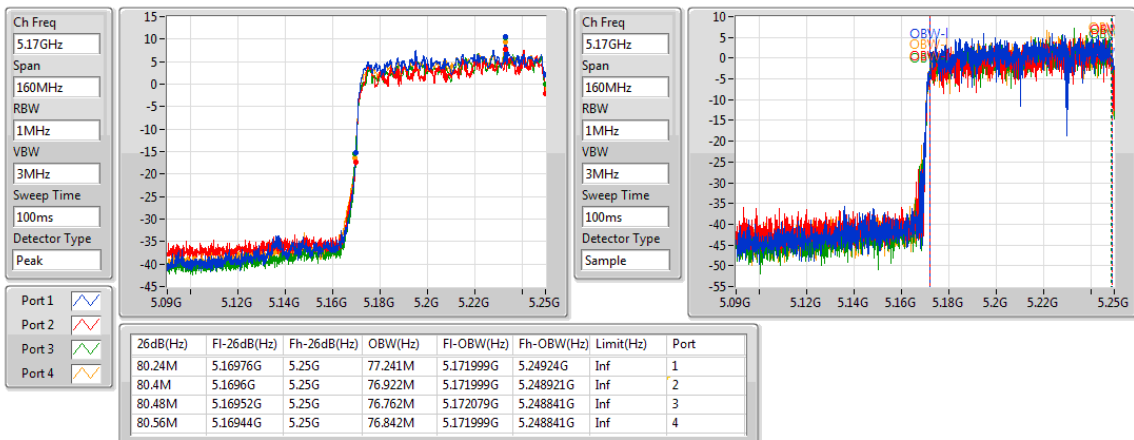
31/07/2018


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

31/07/2018

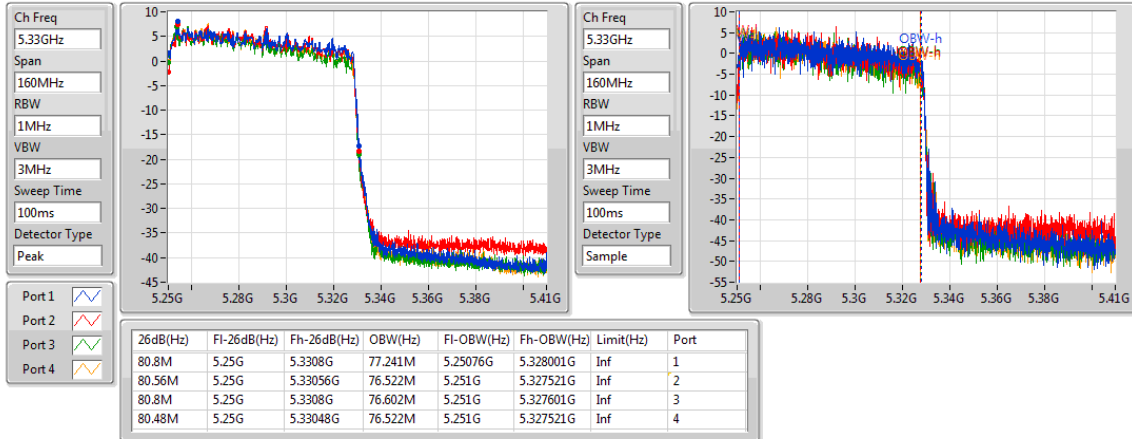

802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

31/07/2018

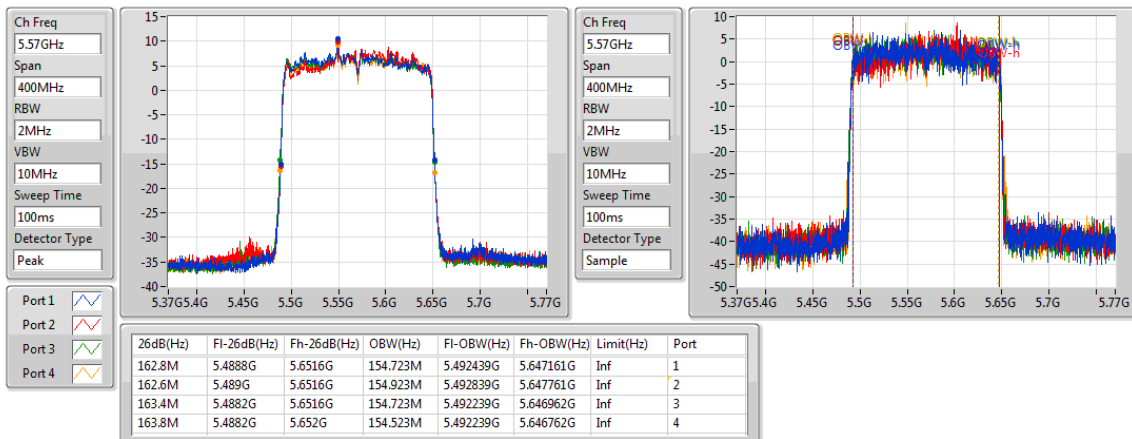


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

31/07/2018


802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
5570MHz

31/07/2018



**For 802.11a/ac, 5GHz Band 2~3:
Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ac VHT160_Nss1,(MCS0)_4TX	19.59	0.09099
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.93	0.24717
802.11ac VHT20_Nss1,(MCS0)_4TX	23.94	0.24774
802.11ac VHT40_Nss1,(MCS0)_4TX	23.88	0.24434
802.11ac VHT80_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ac VHT160_Nss1,(MCS0)_4TX	19.15	0.08222
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.14	0.20606
802.11ac VHT20_Nss1,(MCS0)_4TX	23.24	0.21086
802.11ac VHT40_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ac VHT80_Nss1,(MCS0)_4TX	23.90	0.24547
802.11ac VHT160_Nss1,(MCS0)_4TX	22.74	0.18793
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.46	0.03516
802.11ac VHT20_Nss1,(MCS0)_4TX	16.24	0.04207
802.11ac VHT40_Nss1,(MCS0)_4TX	13.23	0.02104
802.11ac VHT80_Nss1,(MCS0)_4TX	9.28	0.00847



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	5.71	17.93	17.86	18.07	17.78	23.93	23.98
5300MHz	Pass	5.71	17.77	17.45	17.67	18.21	23.80	23.98
5320MHz	Pass	5.71	17.92	17.26	17.55	18.17	23.76	23.98
5500MHz	Pass	5.82	17.15	16.93	16.61	17.24	23.01	23.98
5580MHz	Pass	5.82	17.13	16.67	16.91	17.11	22.98	23.98
5700MHz	Pass	5.82	17.06	16.87	17.05	17.46	23.14	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.82	15.54	15.67	15.81	16.15	21.82	22.87
5720MHz Straddle 5.725-5.85GHz	Pass	5.82	10.43	7.78	10.19	8.86	15.46	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.71	17.95	18.14	18.04	17.51	23.94	23.98
5300MHz	Pass	5.71	17.82	17.37	17.46	18.22	23.75	23.98
5320MHz	Pass	5.71	17.75	17.44	17.56	18.24	23.78	23.98
5500MHz	Pass	5.82	17.43	17.31	16.93	17.21	23.24	23.98
5580MHz	Pass	5.82	17.25	17.08	17.17	17.24	23.21	23.98
5700MHz	Pass	5.82	17.12	16.79	17.34	17.44	23.20	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.82	16.17	15.51	16.20	16.16	22.04	22.94
5720MHz Straddle 5.725-5.85GHz	Pass	5.82	10.45	9.66	10.50	10.23	16.24	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.71	17.81	17.66	17.87	18.08	23.88	23.98
5310MHz	Pass	5.71	17.68	17.22	17.76	18.48	23.83	23.98
5510MHz	Pass	5.82	18.06	17.33	17.64	18.19	23.84	23.98
5550MHz	Pass	5.82	17.74	17.47	17.90	18.16	23.85	23.98
5670MHz	Pass	5.82	17.76	17.63	17.91	18.09	23.87	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.82	17.97	17.39	17.83	17.67	23.74	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.82	7.41	6.97	7.28	7.18	13.23	30.00
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.71	17.65	17.72	18.17	18.14	23.95	23.98
5530MHz	Pass	5.82	17.74	17.71	17.89	17.97	23.85	23.98
5610MHz	Pass	5.82	17.78	17.56	18.12	18.04	23.90	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.82	18.21	17.49	17.91	17.69	23.85	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.82	3.69	2.84	3.29	3.16	9.28	30.00
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.71	13.67	13.12	13.30	14.13	19.59	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.71	12.89	12.57	13.65	13.33	19.15	23.98
5570MHz	Pass	5.82	17.09	16.41	16.51	16.84	22.74	23.98

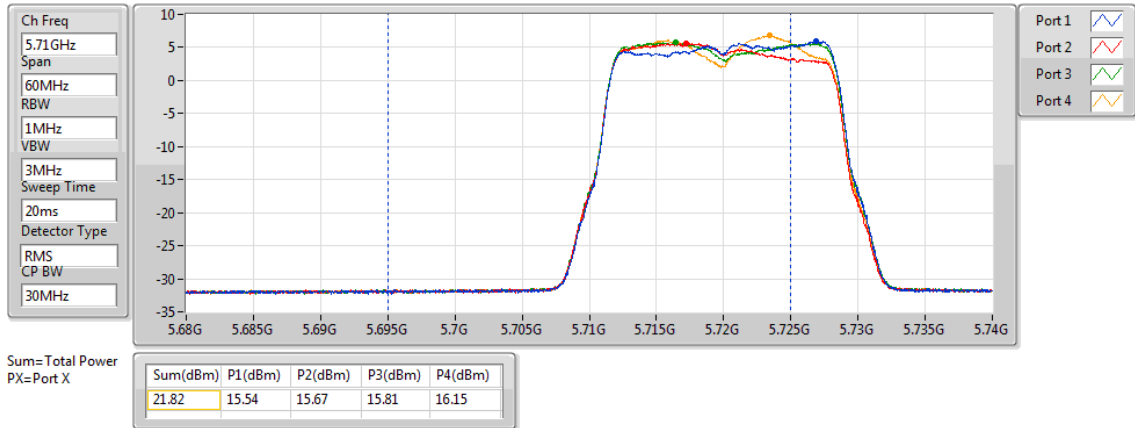
DG = Directional Gain; **Port X** = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

24/07/2018

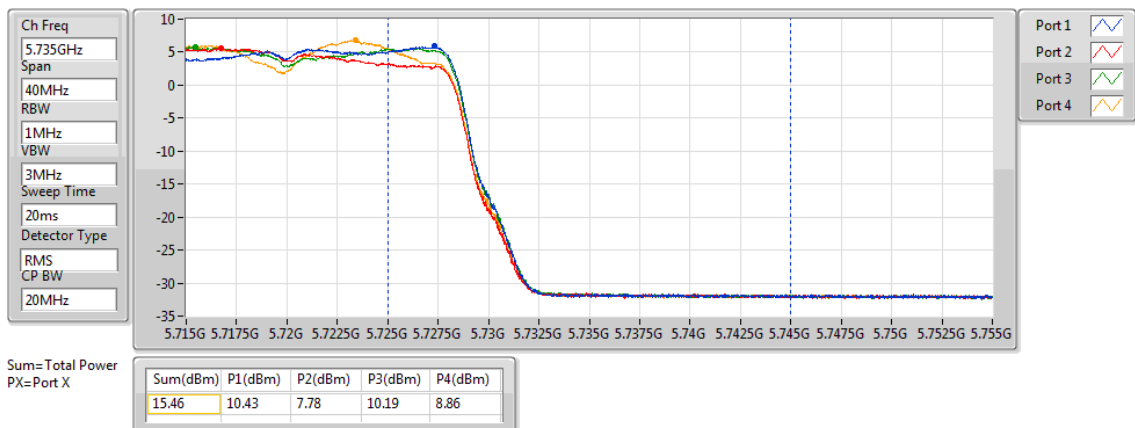


802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

24/07/2018

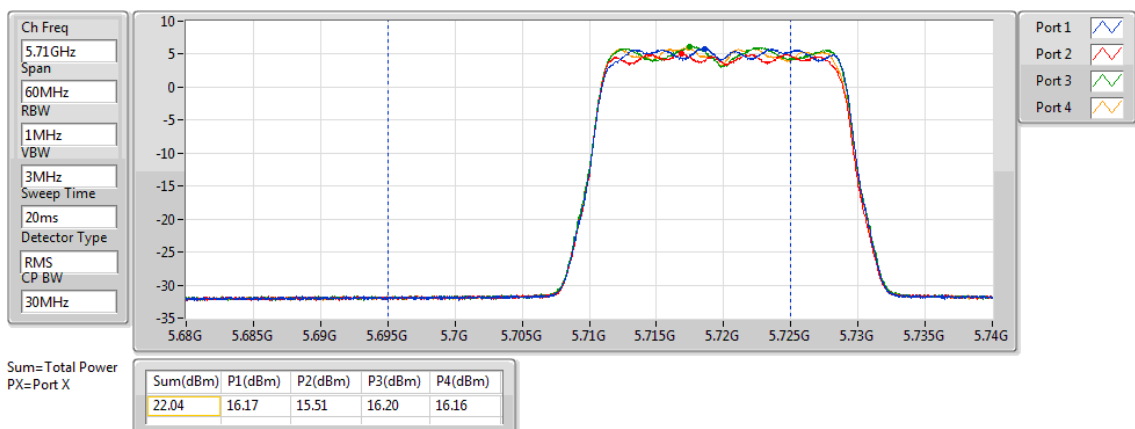


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

24/07/2018

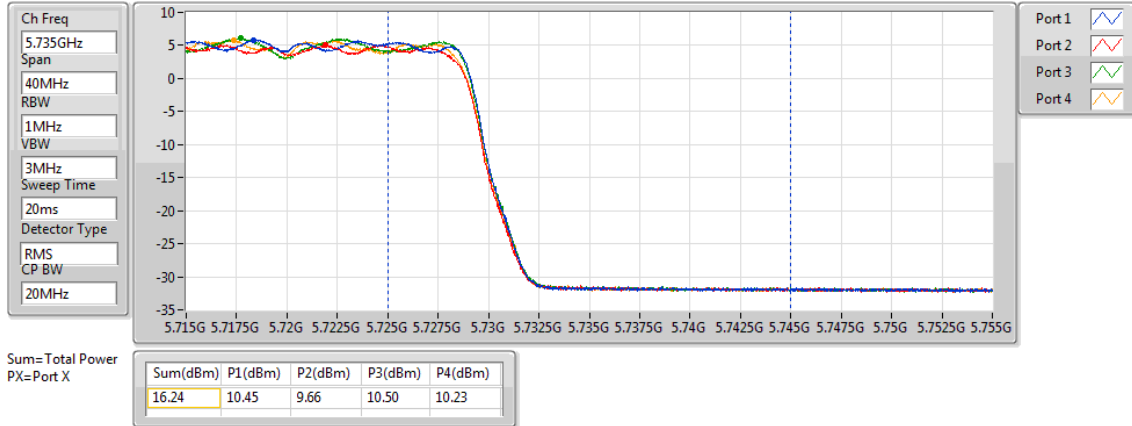


802.11ac VHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

24/07/2018

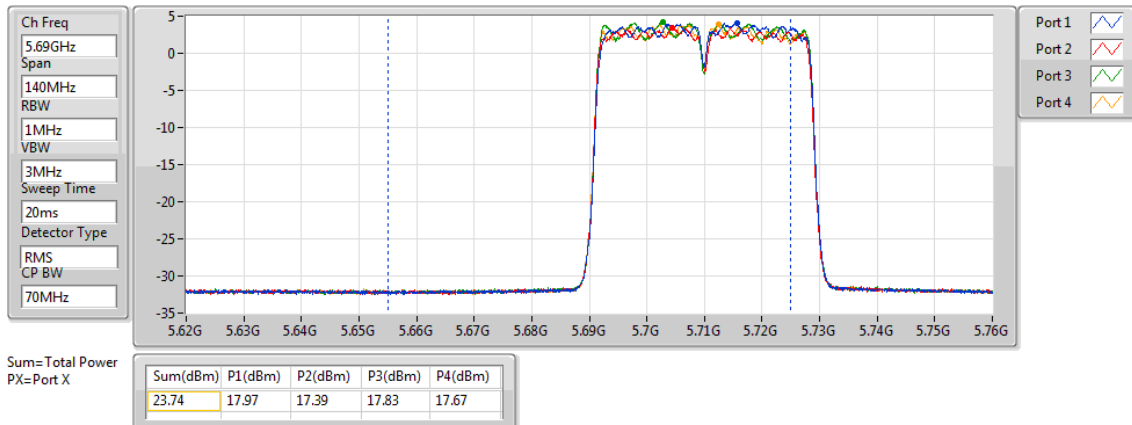


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

24/07/2018

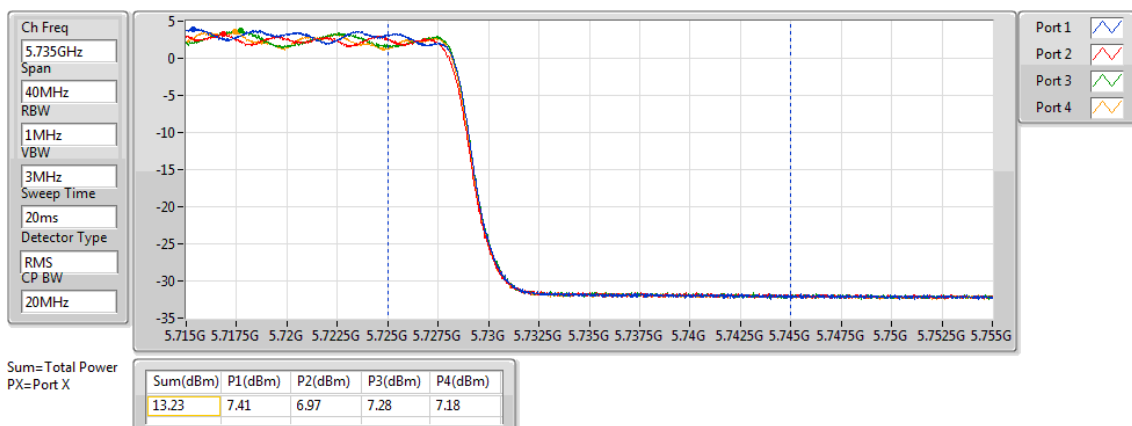


802.11ac VHT40_Nss1,(MCS0)_4TX

AV Power

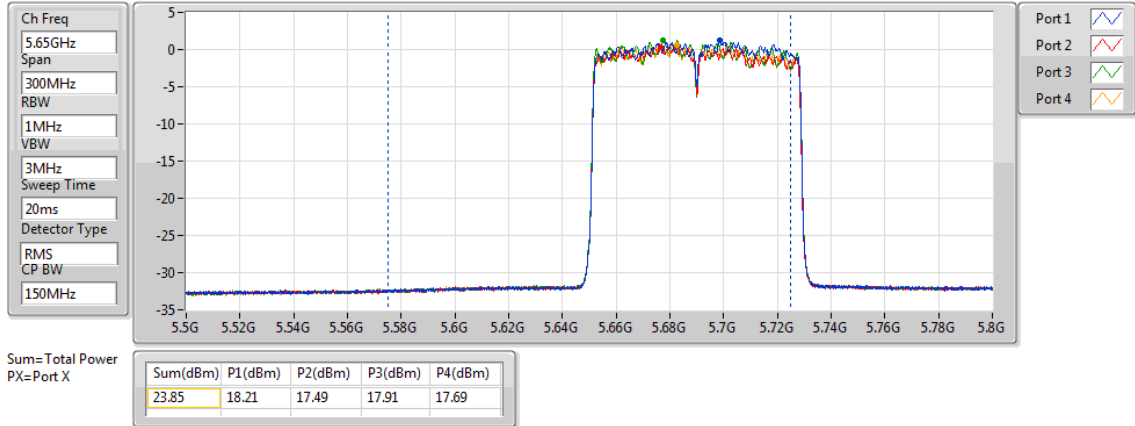
5710MHz Straddle 5.725-5.85GHz

24/07/2018

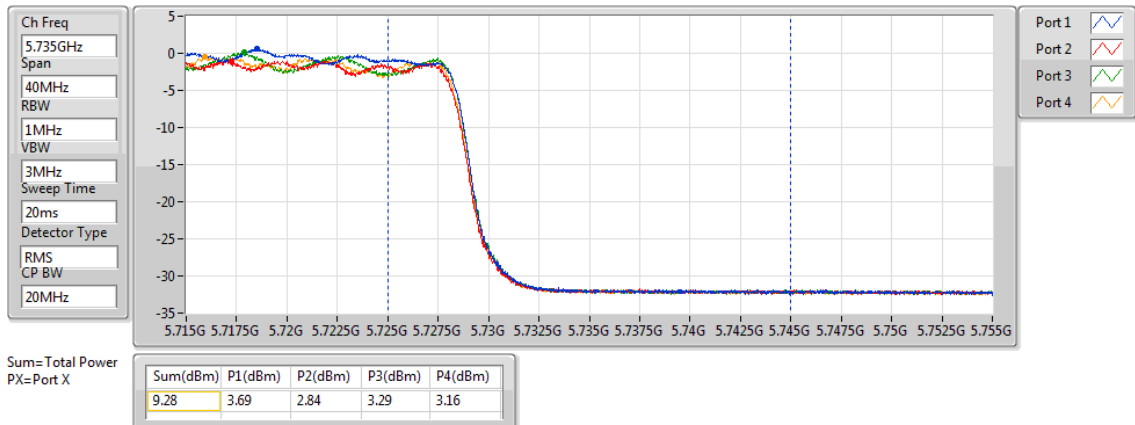


802.11ac VHT80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.47-5.725GHz

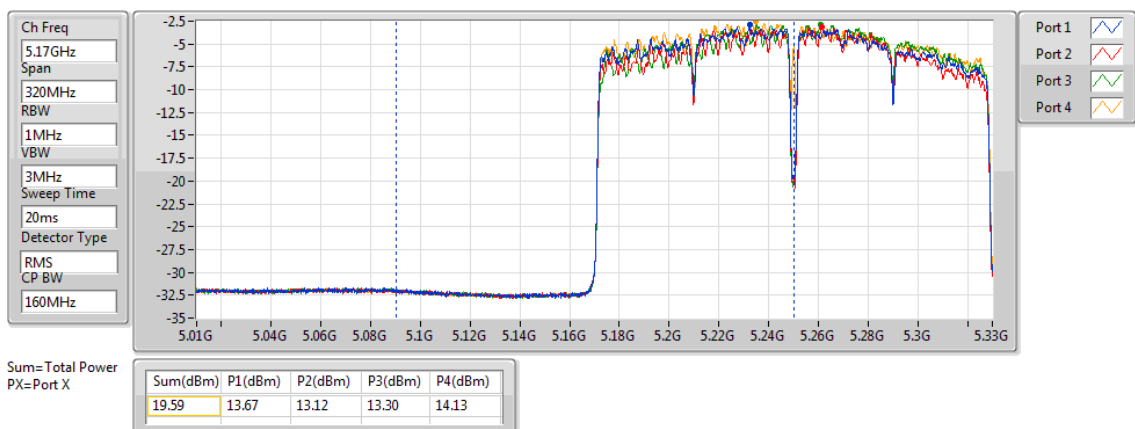
24/07/2018


802.11ac VHT80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.725-5.85GHz

24/07/2018


802.11ac VHT160_Nss1,(MCS0)_4TX
AV Power
5250MHz Straddle 5.15-5.25GHz

24/07/2018

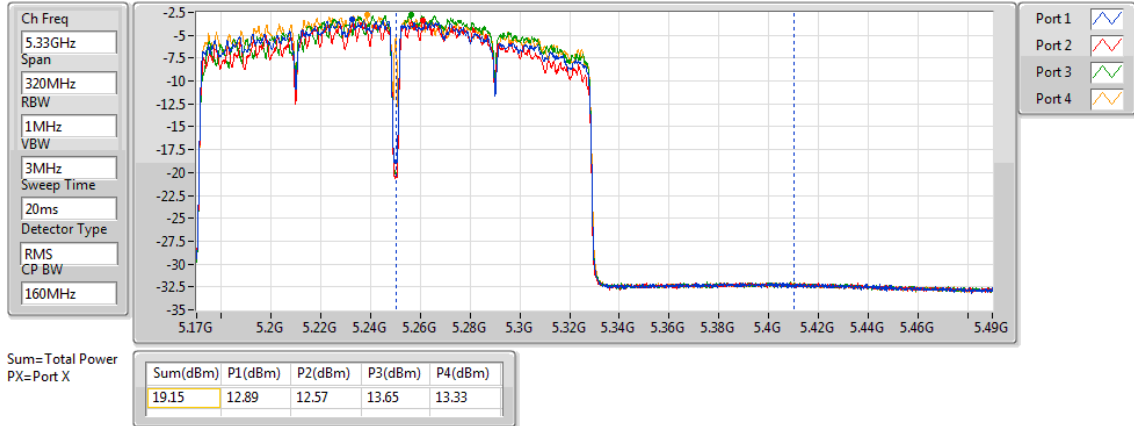


802.11ac VHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

24/07/2018



For 802.11ax, 5GHz Band 1~4:
Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	29.77	0.94842
802.11ax HEW40_Nss1,(MCS0)_4TX	29.67	0.92683
802.11ax HEW80_Nss1,(MCS0)_4TX	23.01	0.19999
802.11ax HEW160_Nss1,(MCS0)_4TX	20.40	0.10965
5.25-5.35GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	23.97	0.24946
802.11ax HEW40_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ax HEW80_Nss1,(MCS0)_4TX	23.90	0.24547
802.11ax HEW160_Nss1,(MCS0)_4TX	20.01	0.10023
5.47-5.725GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	23.29	0.21330
802.11ax HEW40_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW80_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW160_Nss1,(MCS0)_4TX	21.61	0.14488
5.725-5.85GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	29.93	0.98401
802.11ax HEW40_Nss1,(MCS0)_4TX	29.88	0.97275
802.11ax HEW80_Nss1,(MCS0)_4TX	27.07	0.50933



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.71	20.88	20.24	20.90	20.17	26.58	30.00
5200MHz	Pass	5.71	23.53	23.69	24.18	23.43	29.74	30.00
5240MHz	Pass	5.71	23.42	23.66	24.32	23.52	29.77	30.00
5260MHz	Pass	5.71	17.53	17.74	18.40	18.06	23.97	23.98
5300MHz	Pass	5.71	18.44	17.41	17.68	17.85	23.88	23.98
5320MHz	Pass	5.71	18.46	17.35	17.79	17.96	23.93	23.98
5500MHz	Pass	5.82	17.35	16.97	17.22	17.53	23.29	23.98
5580MHz	Pass	5.82	17.05	17.33	16.94	17.18	23.15	23.98
5700MHz	Pass	5.82	17.33	17.55	16.68	17.11	23.20	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.82	16.21	16.48	15.73	16.00	22.13	22.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.82	10.90	11.21	10.40	10.85	16.87	30.00
5745MHz	Pass	5.82	23.73	24.14	23.91	23.86	29.93	30.00
5785MHz	Pass	5.82	23.71	24.51	23.73	23.58	29.92	30.00
5825MHz	Pass	5.82	23.77	24.45	23.67	23.70	29.93	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.71	18.46	17.68	17.76	17.82	23.96	30.00
5230MHz	Pass	5.71	23.77	23.64	23.94	23.22	29.67	30.00
5270MHz	Pass	5.71	18.36	17.67	17.74	17.61	23.88	23.98
5310MHz	Pass	5.71	18.89	17.35	17.34	17.78	23.91	23.98
5510MHz	Pass	5.82	18.32	17.66	17.56	18.14	23.95	23.98
5550MHz	Pass	5.82	18.20	17.90	17.51	17.79	23.88	23.98
5670MHz	Pass	5.82	17.95	17.86	17.61	17.98	23.87	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.82	17.83	17.94	17.70	17.85	23.85	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.82	7.74	8.22	7.62	8.07	13.94	30.00
5755MHz	Pass	5.82	23.38	23.62	23.34	24.89	29.88	30.00
5795MHz	Pass	5.82	23.35	23.86	23.29	24.71	29.86	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.71	17.26	16.66	16.85	17.16	23.01	30.00
5290MHz	Pass	5.71	18.28	17.70	17.68	17.83	23.90	23.98
5530MHz	Pass	5.82	17.82	18.02	17.89	17.87	23.92	23.98
5610MHz	Pass	5.82	17.84	18.42	17.66	17.63	23.92	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.82	17.80	17.98	17.61	18.07	23.89	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.82	3.56	4.18	3.66	4.37	9.98	30.00
5775MHz	Pass	5.82	20.79	21.01	21.02	21.35	27.07	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.71	15.10	13.64	14.03	14.60	20.40	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.71	14.27	14.09	13.78	13.78	20.01	23.98
5570MHz	Pass	5.82	15.56	16.02	15.63	15.10	21.61	23.98

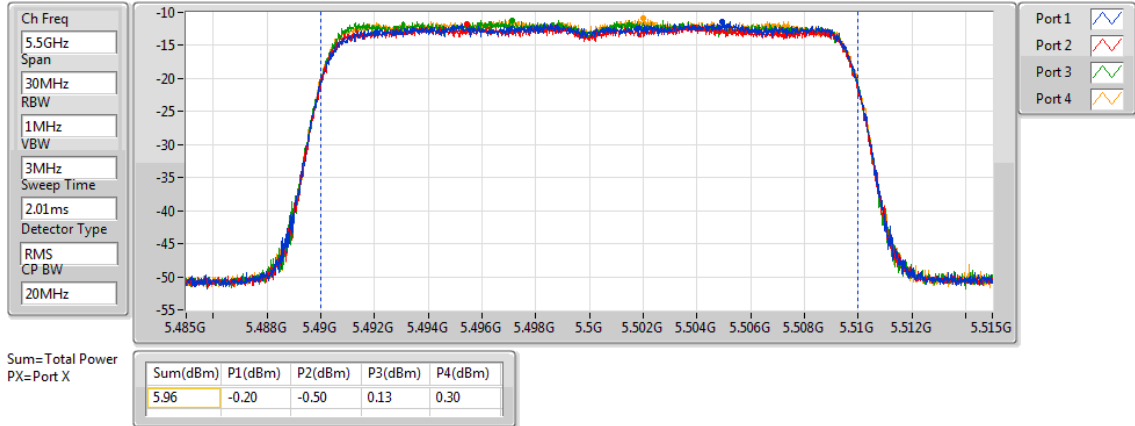
DG = Directional Gain; Port X = Port X output power

802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5500MHz

31/07/2018

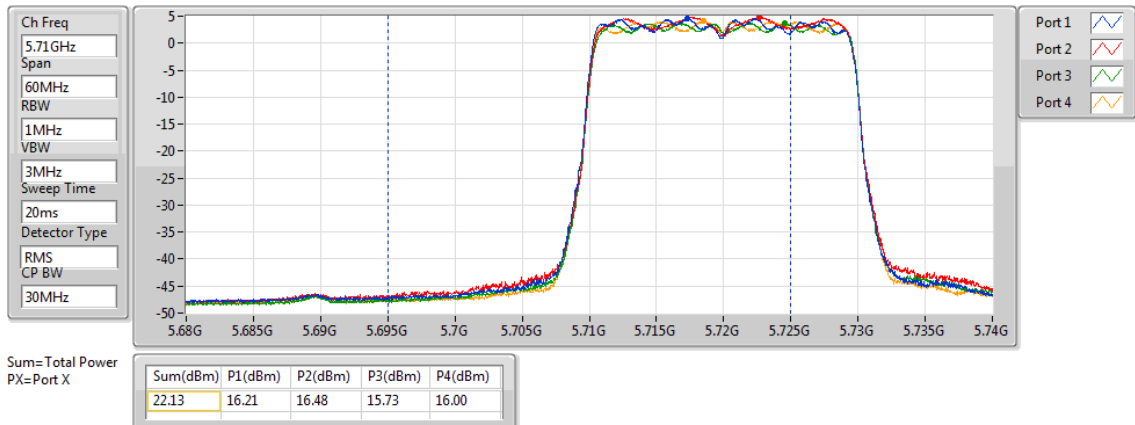


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz

31/07/2018

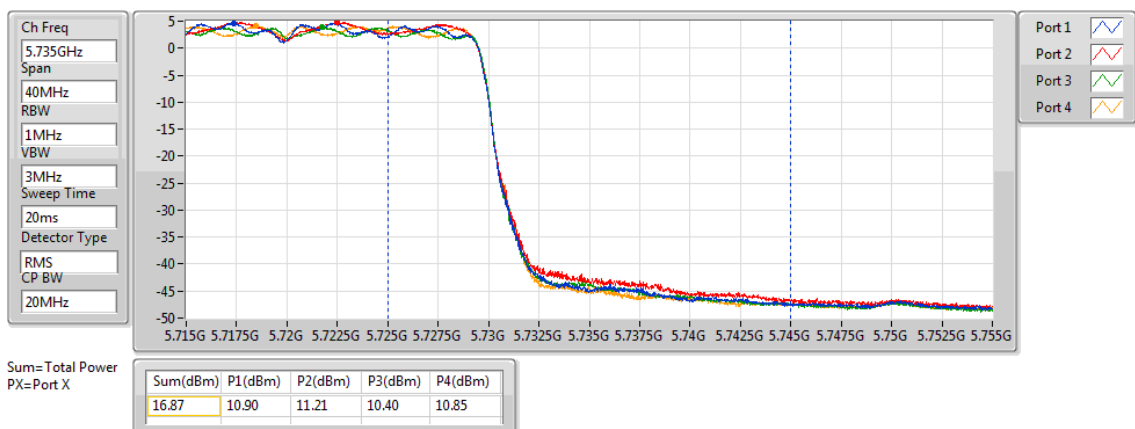


802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz

31/07/2018

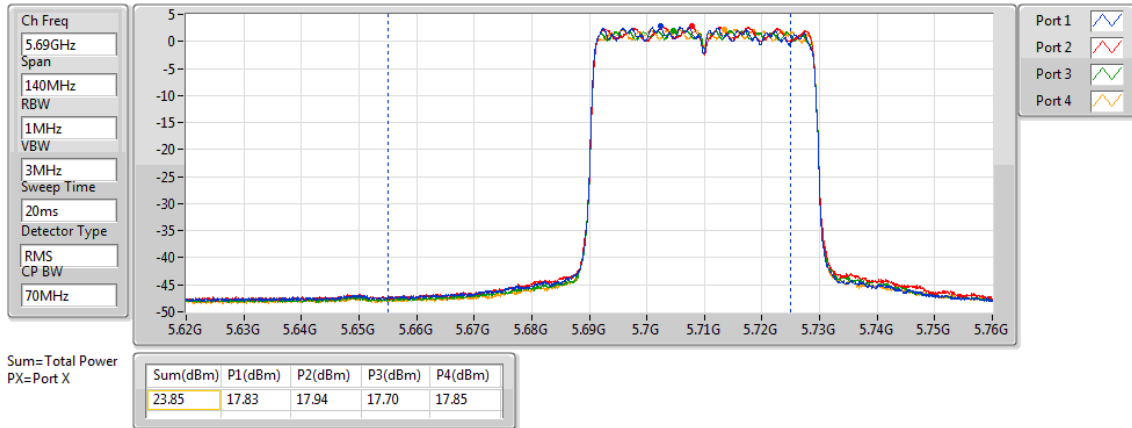


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz

31/07/2018

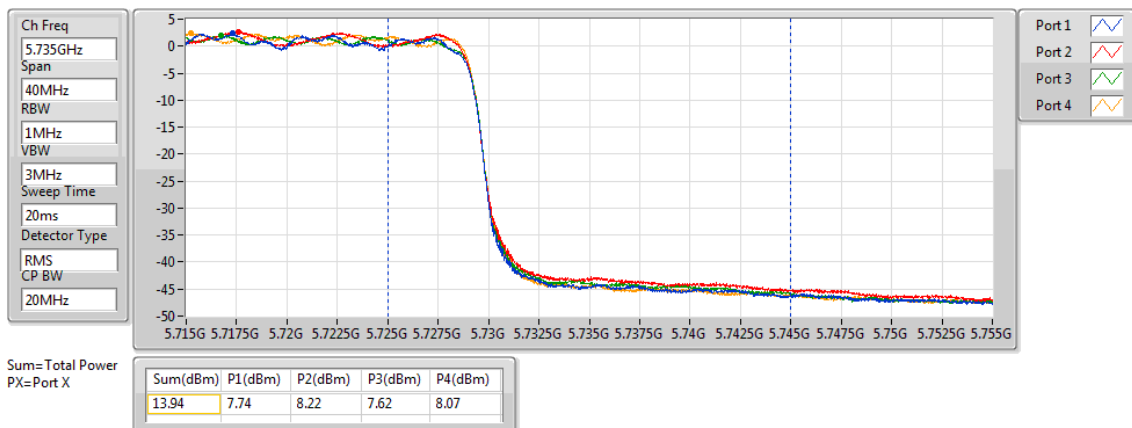


802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz

31/07/2018

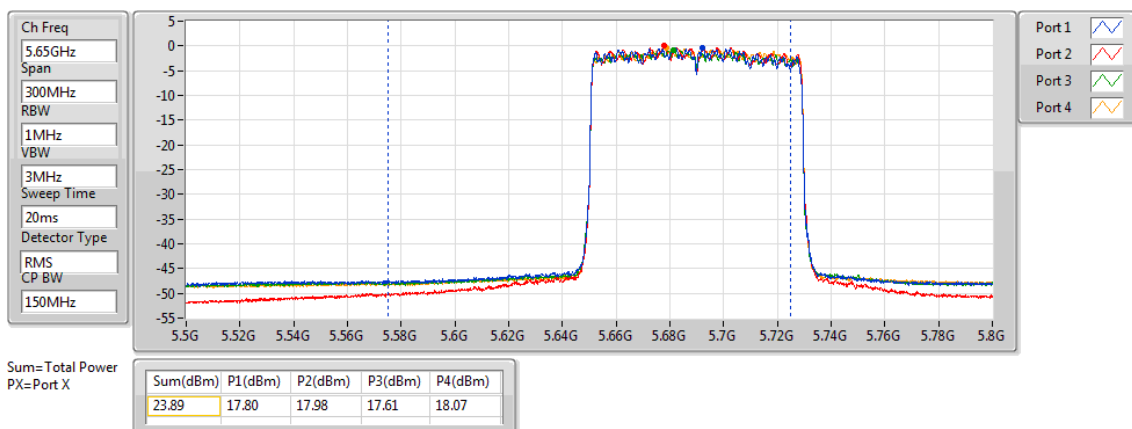


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz

31/07/2018

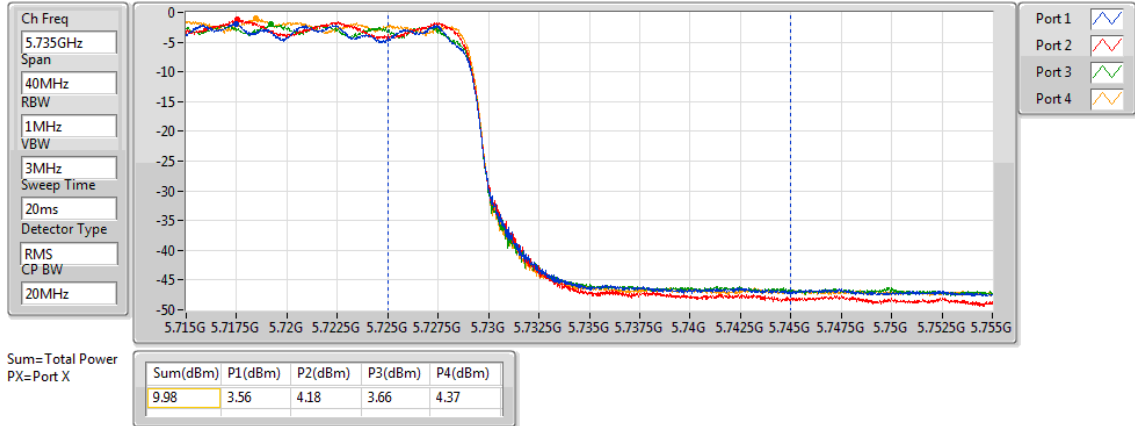


802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz

31/07/2018

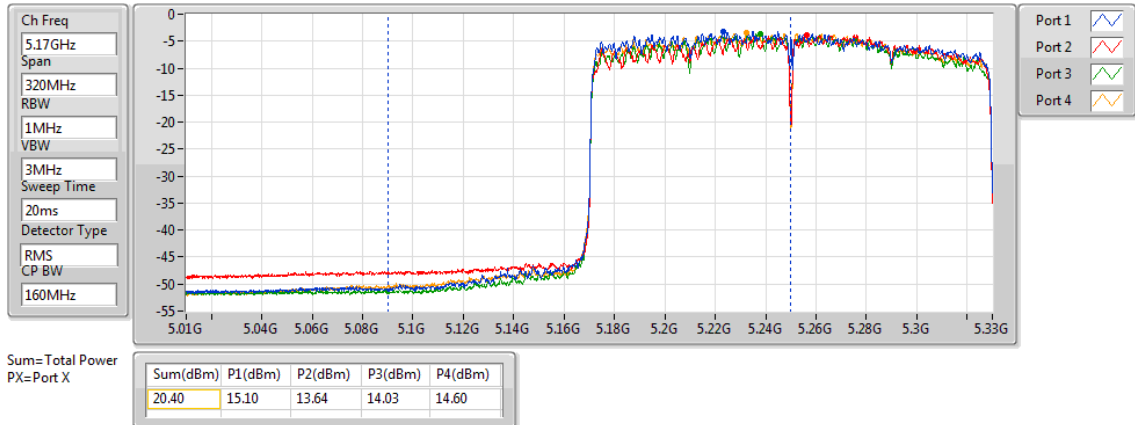


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz

31/07/2018

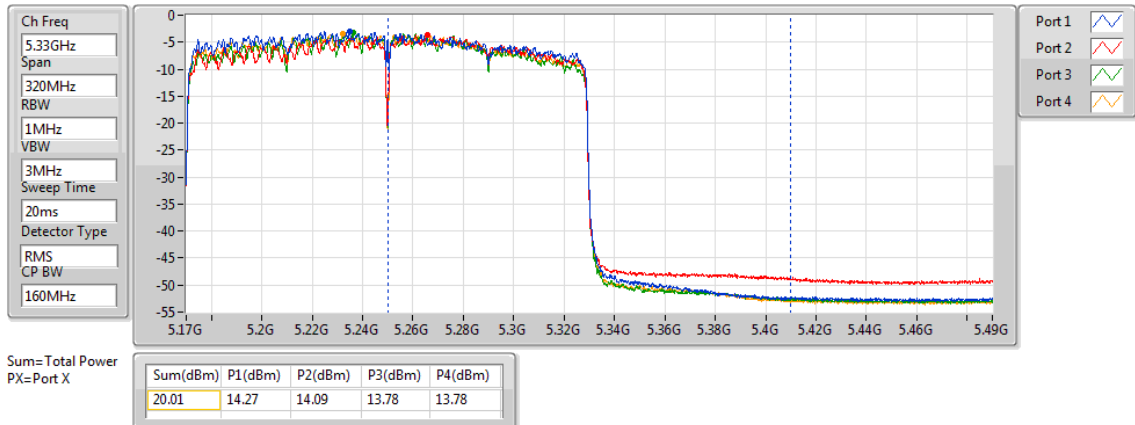


802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz

31/07/2018



**For 802.11a/ac, 5GHz Band 2~3:
Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ac VHT160_Nss1,(MCS0)_4TX	1.16
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.72
802.11ac VHT20_Nss1,(MCS0)_4TX	10.66
802.11ac VHT40_Nss1,(MCS0)_4TX	7.94
802.11ac VHT80_Nss1,(MCS0)_4TX	5.06
802.11ac VHT160_Nss1,(MCS0)_4TX	1.09
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.04
802.11ac VHT20_Nss1,(MCS0)_4TX	10.03
802.11ac VHT40_Nss1,(MCS0)_4TX	7.95
802.11ac VHT80_Nss1,(MCS0)_4TX	5.00
802.11ac VHT160_Nss1,(MCS0)_4TX	0.80
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	7.88
802.11ac VHT20_Nss1,(MCS0)_4TX	8.02
802.11ac VHT40_Nss1,(MCS0)_4TX	5.80
802.11ac VHT80_Nss1,(MCS0)_4TX	2.05

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.23	5.29	4.98	5.28	4.75	10.72	10.77
5300MHz	Pass	6.23	4.95	4.52	4.75	5.77	10.68	10.77
5320MHz	Pass	6.23	4.97	4.45	5.22	5.84	10.66	10.77
5500MHz	Pass	6.93	4.52	4.12	3.87	4.56	9.94	10.07
5580MHz	Pass	6.93	4.05	3.55	4.53	5.00	9.86	10.07
5700MHz	Pass	6.93	4.58	4.13	4.44	5.38	10.00	10.07
5720MHz Straddle 5.47-5.725GHz	Pass	6.93	4.22	4.37	4.27	5.43	10.04	10.07
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	2.90	0.09	2.53	2.50	7.88	29.07
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.23	5.19	5.34	5.09	4.87	10.66	10.77
5300MHz	Pass	6.23	4.85	4.69	4.65	5.37	10.53	10.77
5320MHz	Pass	6.23	5.05	4.35	4.52	5.49	10.54	10.77
5500MHz	Pass	6.93	4.32	4.00	3.58	4.29	9.87	10.07
5580MHz	Pass	6.93	4.48	3.94	4.31	4.56	10.03	10.07
5700MHz	Pass	6.93	4.59	3.76	4.88	4.73	9.98	10.07
5720MHz Straddle 5.47-5.725GHz	Pass	6.93	4.58	3.58	4.75	4.69	9.95	10.07
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	2.65	1.87	2.78	2.73	8.02	29.07
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.23	2.19	2.27	2.08	2.72	7.94	10.77
5310MHz	Pass	6.23	1.79	1.60	1.77	3.12	7.69	10.77
5510MHz	Pass	6.93	2.27	1.42	1.61	2.48	7.85	10.07
5550MHz	Pass	6.93	1.73	1.56	1.84	2.49	7.64	10.07
5670MHz	Pass	6.93	2.42	1.92	2.38	2.64	7.74	10.07
5710MHz Straddle 5.47-5.725GHz	Pass	6.93	2.65	1.98	2.63	2.55	7.95	10.07
5710MHz Straddle 5.725-5.85GHz	Pass	6.93	0.48	-0.25	0.14	0.25	5.80	29.07
802.11ac VHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.23	-0.89	-0.46	-0.45	-0.33	5.06	10.77
5530MHz	Pass	6.93	-0.79	-1.07	-1.12	-0.59	4.88	10.07
5610MHz	Pass	6.93	-0.92	-1.02	-0.32	-0.62	4.83	10.07
5690MHz Straddle 5.47-5.725GHz	Pass	6.93	-0.29	-1.08	0.06	-0.57	5.00	10.07
5690MHz Straddle 5.725-5.85GHz	Pass	6.93	-3.70	-4.07	-3.58	-3.69	2.05	29.07
802.11ac VHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.23	-4.32	-4.71	-4.25	-3.94	1.16	16.77
5250MHz Straddle 5.25-5.35GHz	Pass	6.23	-4.62	-4.54	-4.26	-4.76	1.09	10.77
5570MHz	Pass	6.93	-4.68	-5.33	-4.08	-4.60	0.80	10.07

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

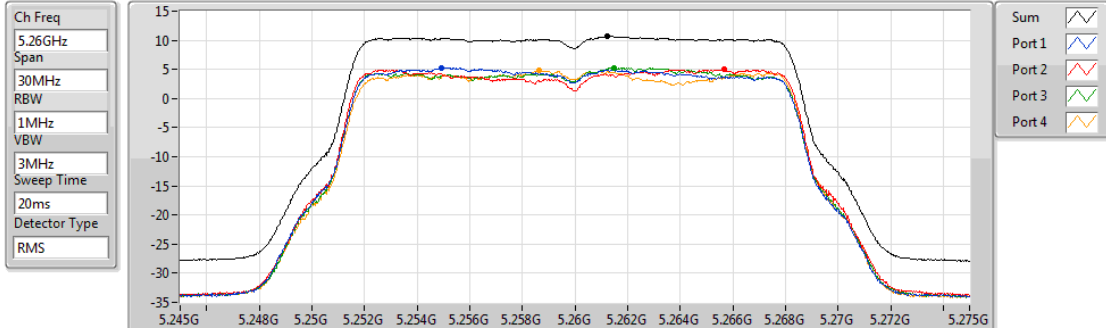
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

24/07/2018



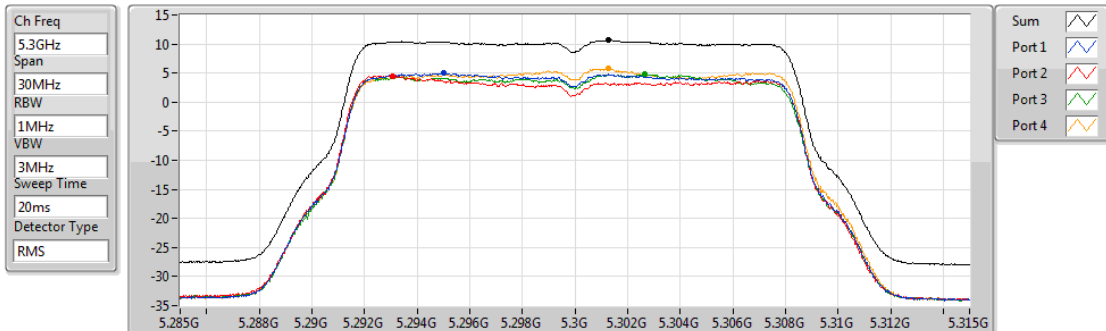
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.72	10.72	5.29	4.98	5.28	4.75

802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

24/07/2018



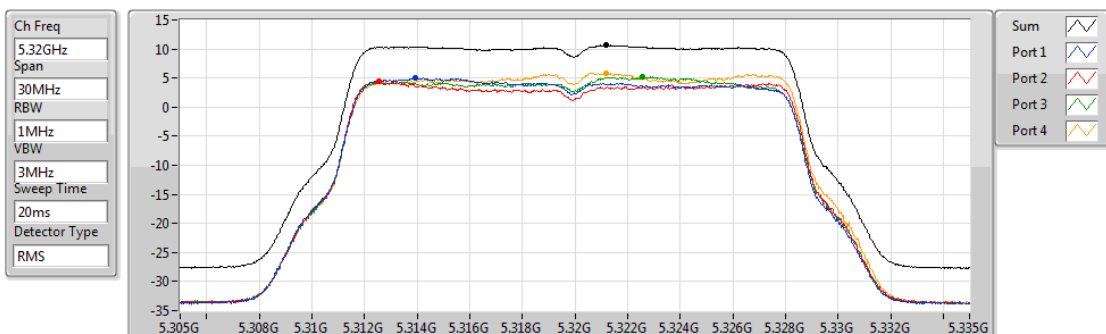
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.68	10.68	4.95	4.52	4.75	5.77

802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

24/07/2018



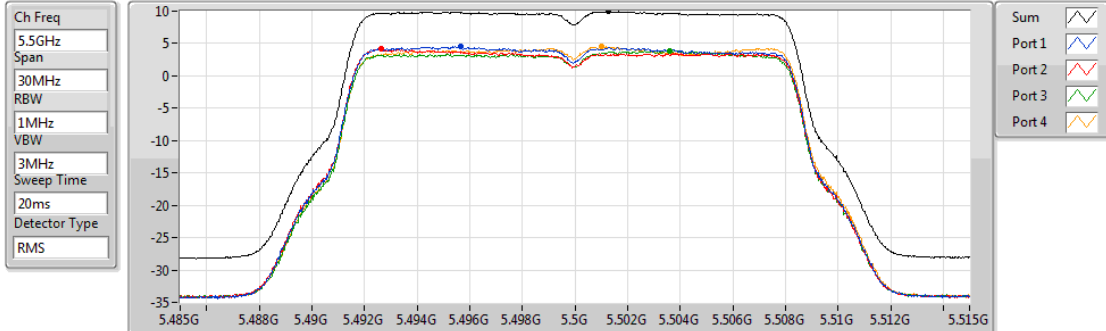
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.66	10.66	4.97	4.45	5.22	5.84

802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

24/07/2018

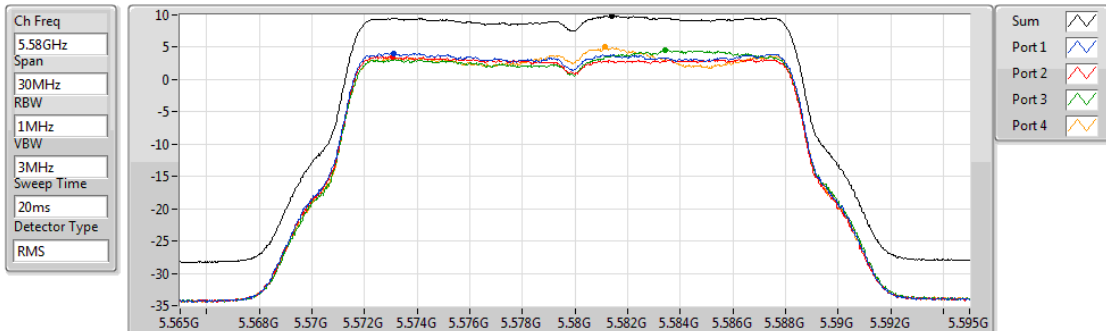


802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

24/07/2018

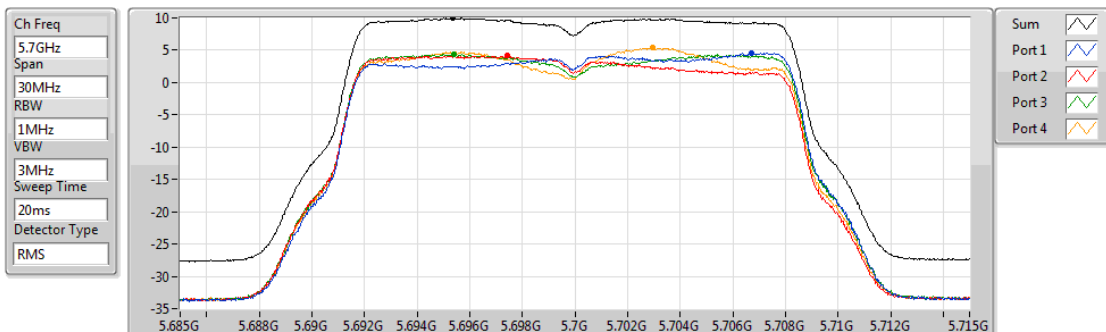


802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

24/07/2018

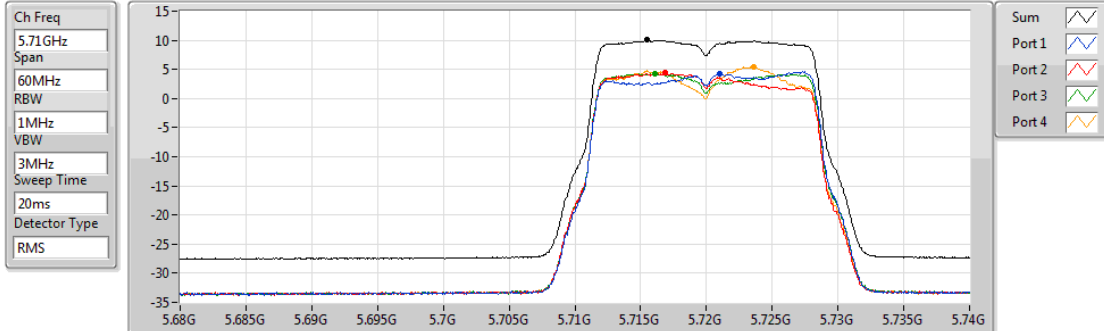


802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.47-5.725GHz

PSD

24/07/2018



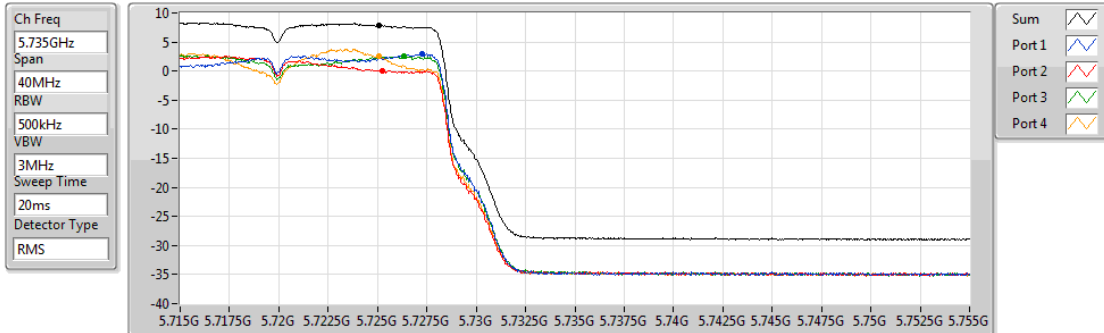
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.04	10.04	4.22	4.37	4.27	5.43

802.11a_Nss1,(6Mbps)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

24/07/2018



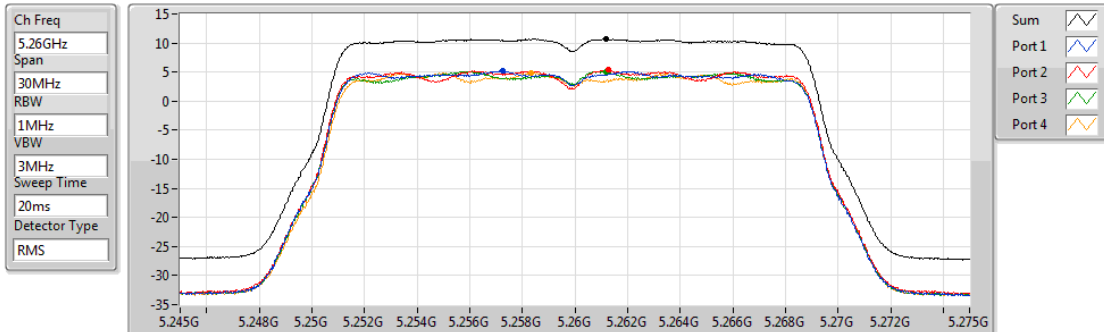
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.88	7.88	2.90	0.09	2.53	2.50

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz

PSD

24/07/2018



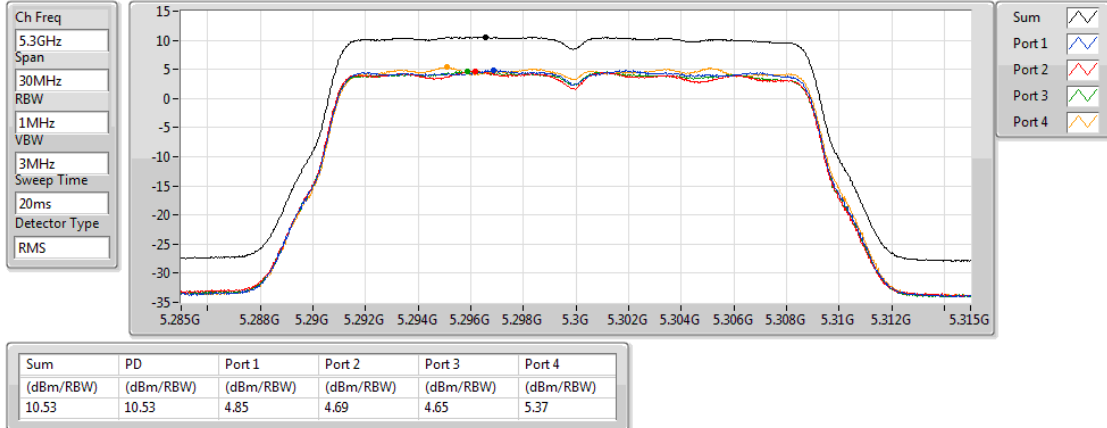
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.66	10.66	5.19	5.34	5.09	4.87

802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

24/07/2018

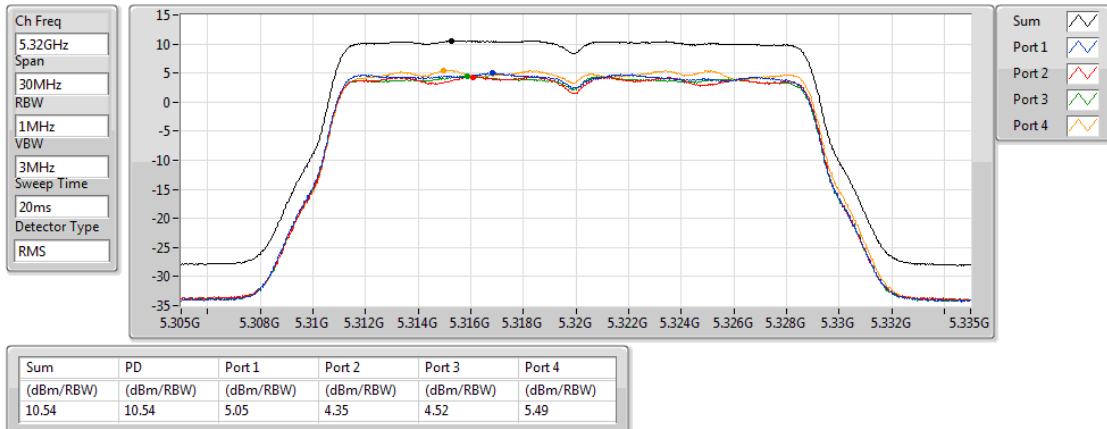


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

24/07/2018

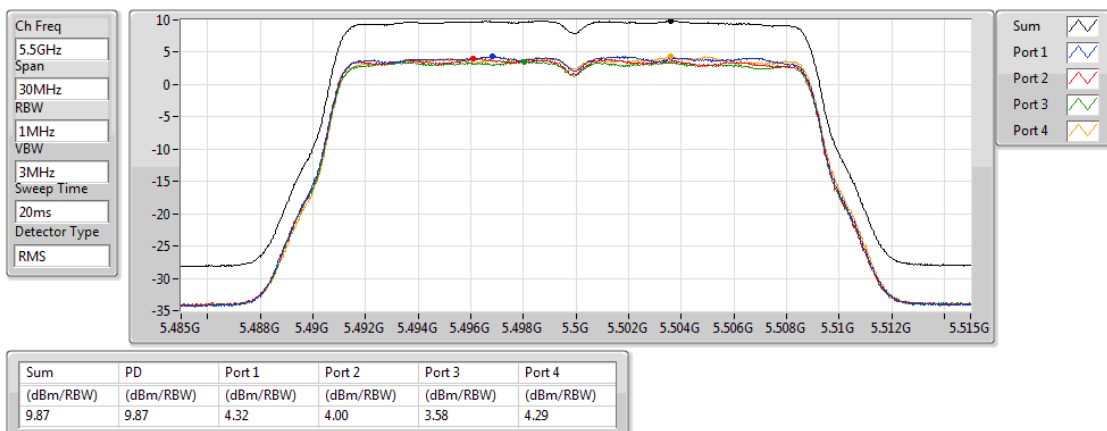


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

24/07/2018

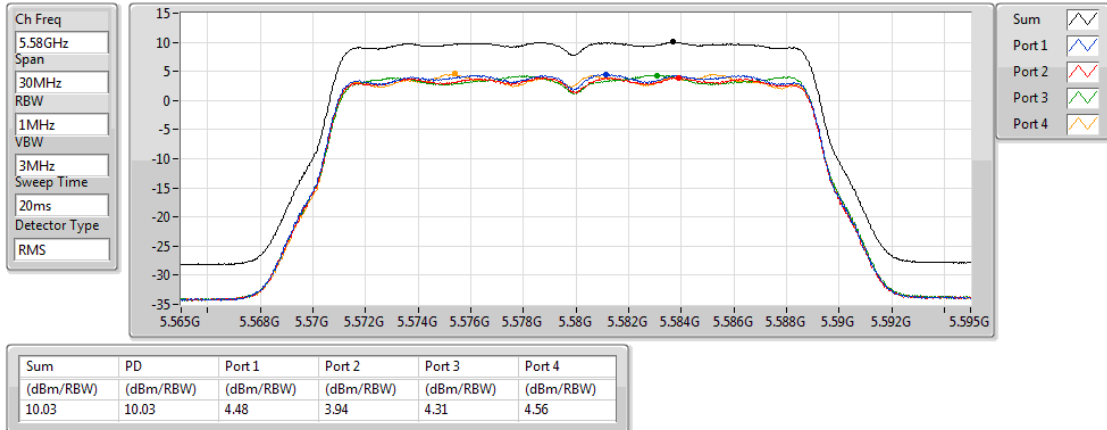


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

24/07/2018

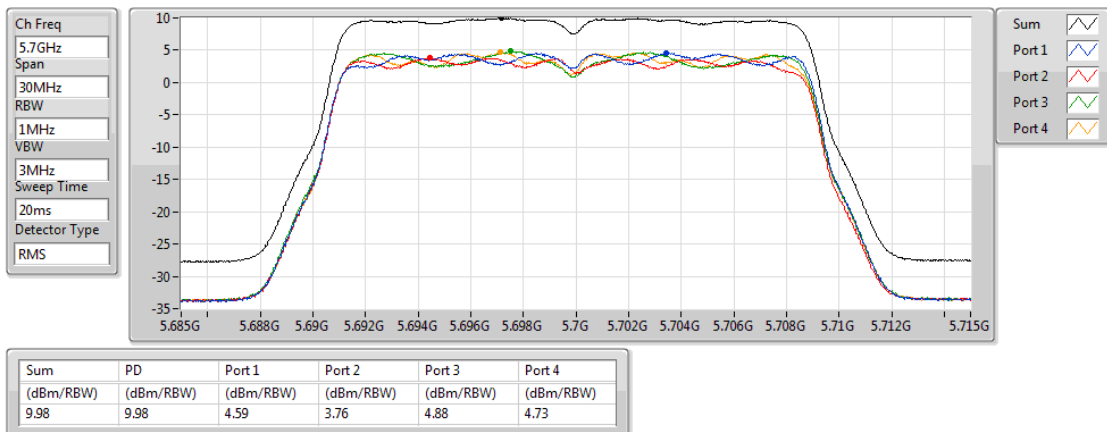


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

24/07/2018

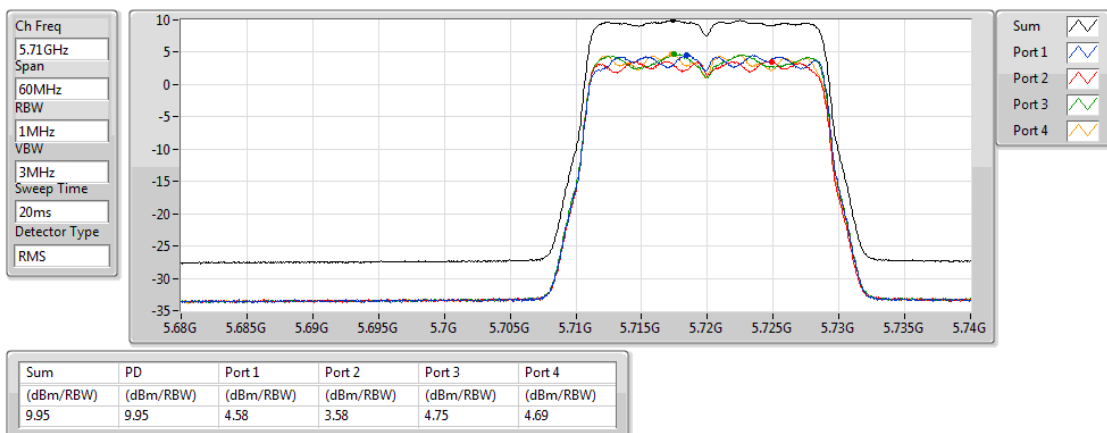


802.11ac VHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/07/2018

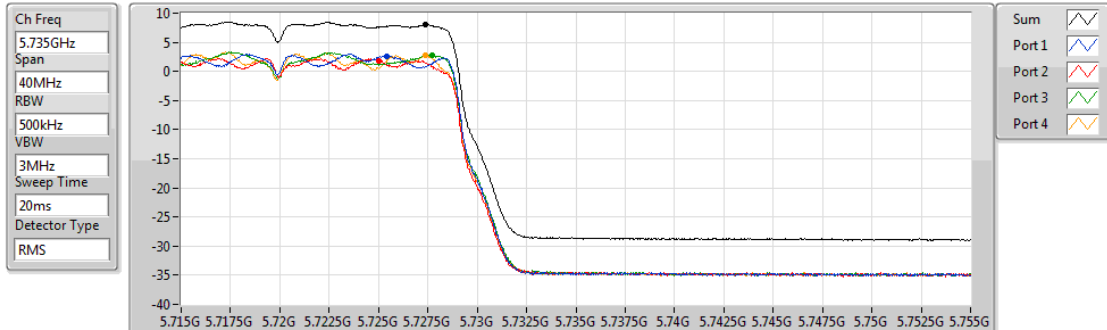


802.11ac VHT20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

24/07/2018



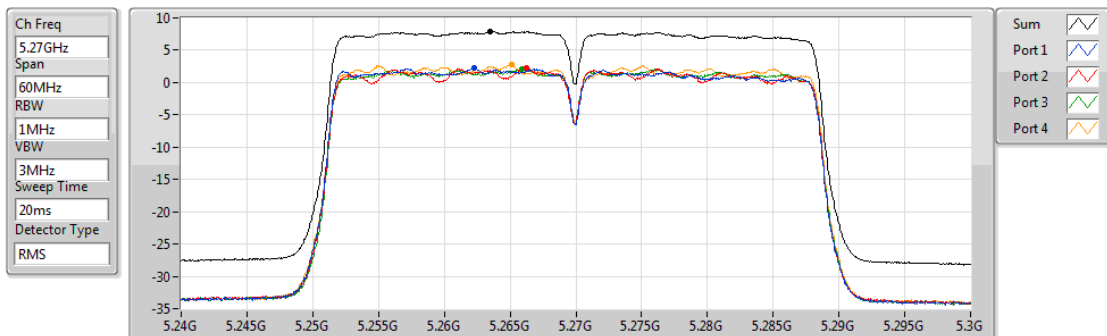
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	2.65	1.87	2.78	2.73

802.11ac VHT40_Nss1,(MCS0)_4TX

5270MHz

PSD

24/07/2018



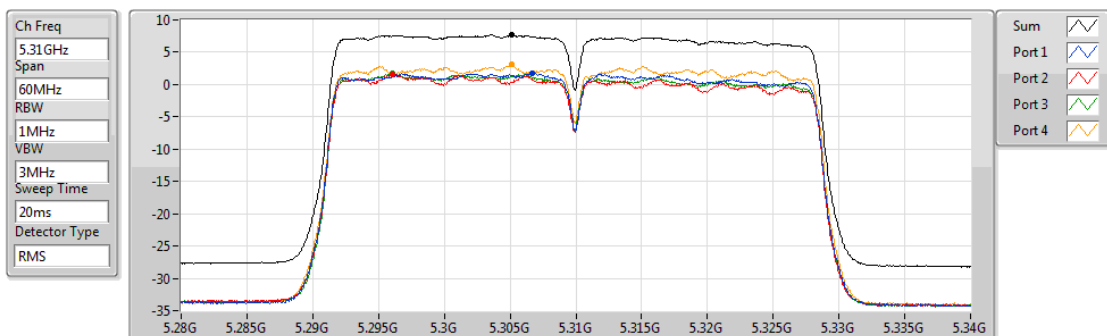
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	2.19	2.27	2.08	2.72

802.11ac VHT40_Nss1,(MCS0)_4TX

5310MHz

PSD

24/07/2018



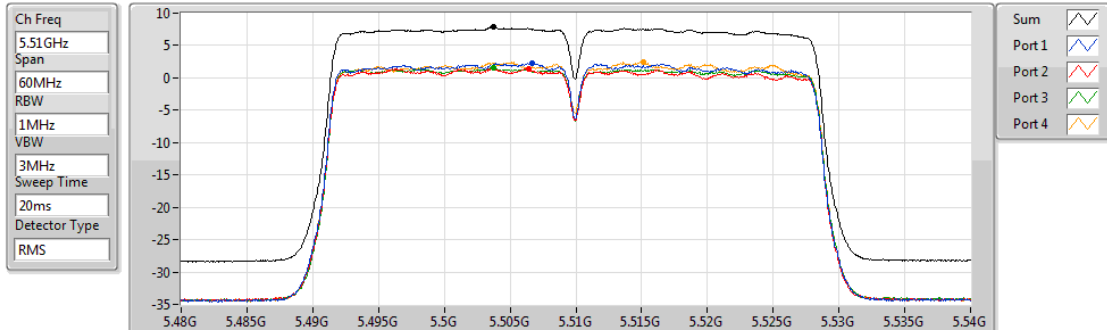
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.69	7.69	1.79	1.60	1.77	3.12

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

24/07/2018



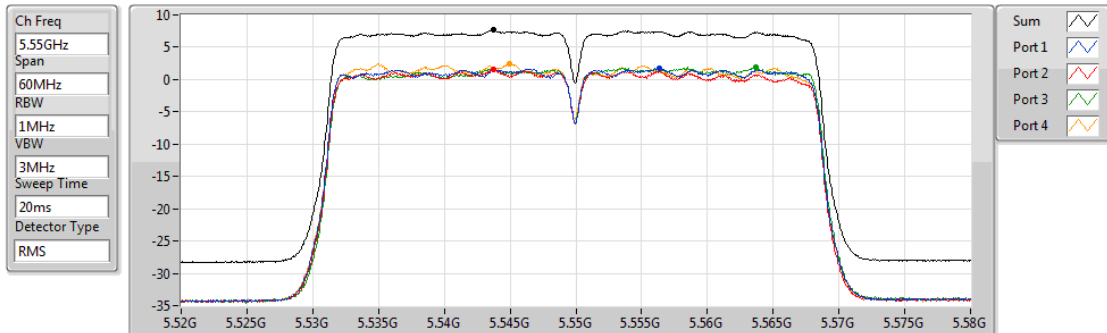
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.85	7.85	2.27	1.42	1.61	2.48

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

24/07/2018



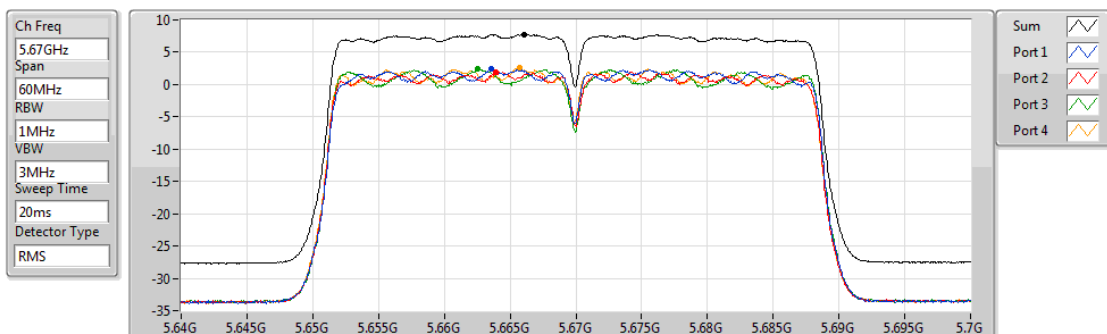
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.64	7.64	1.73	1.56	1.84	2.49

802.11ac VHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

24/07/2018



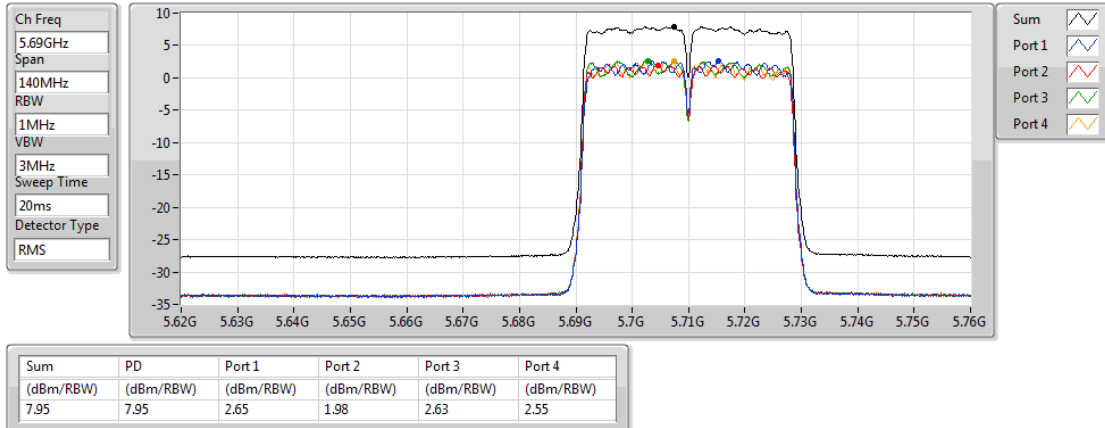
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.74	7.74	2.42	1.92	2.38	2.64

802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz

PSD

24/07/2018

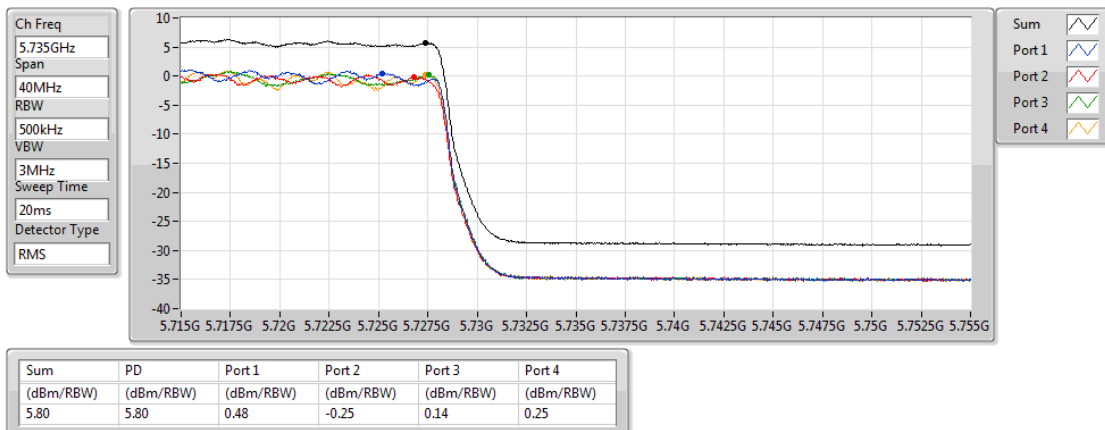


802.11ac VHT40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD

24/07/2018

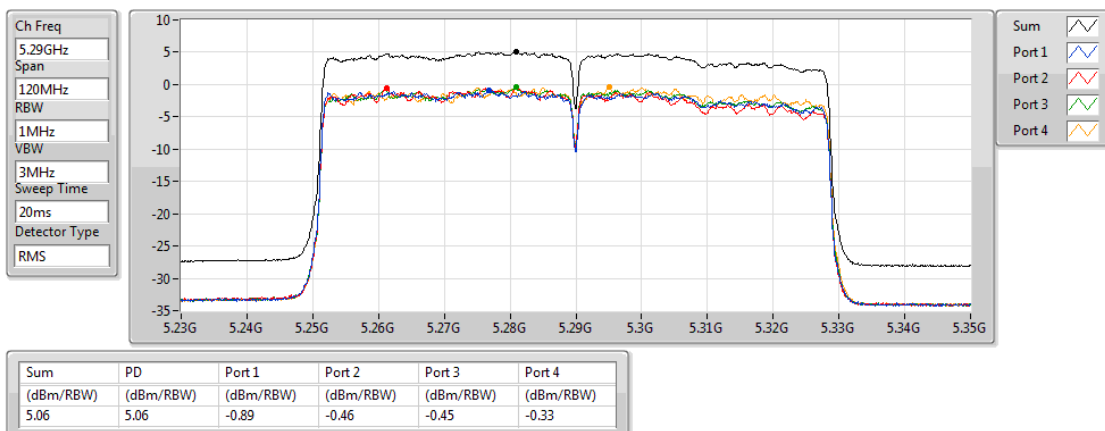


802.11ac VHT80_Nss1,(MCS0)_4TX

5290MHz

PSD

24/07/2018

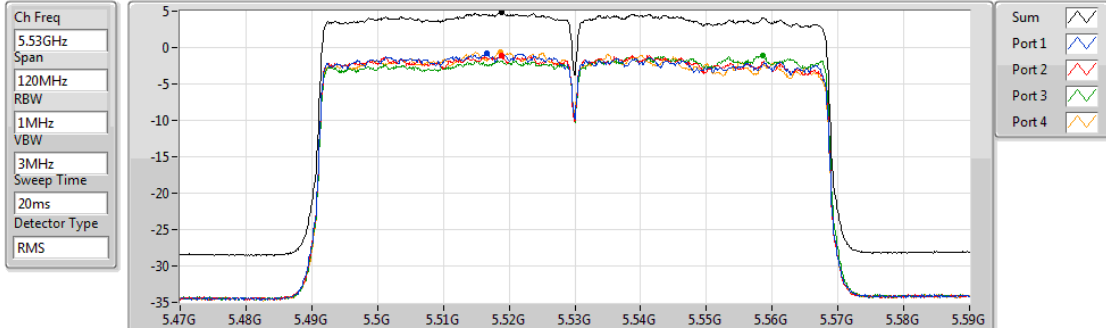


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

24/07/2018

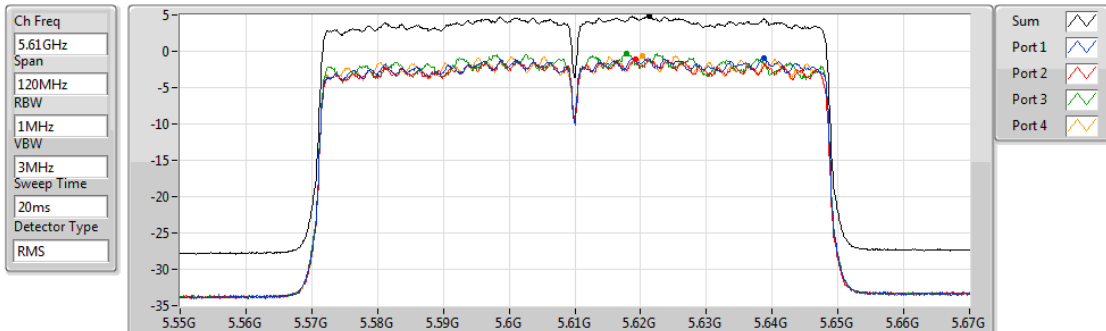


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

24/07/2018

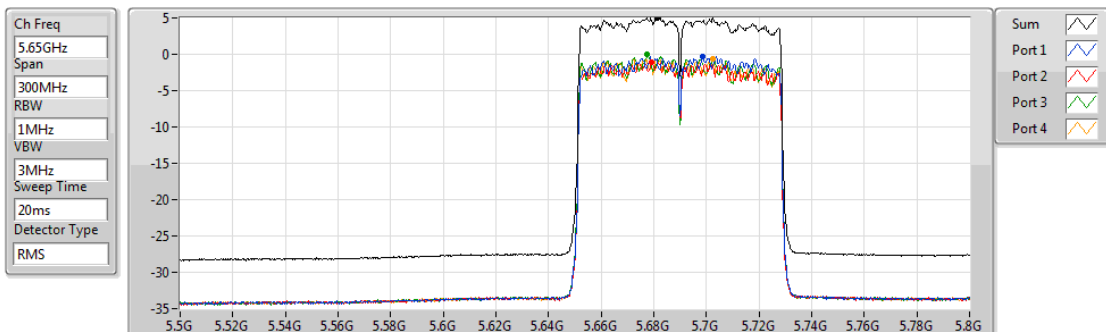


802.11ac VHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

24/07/2018

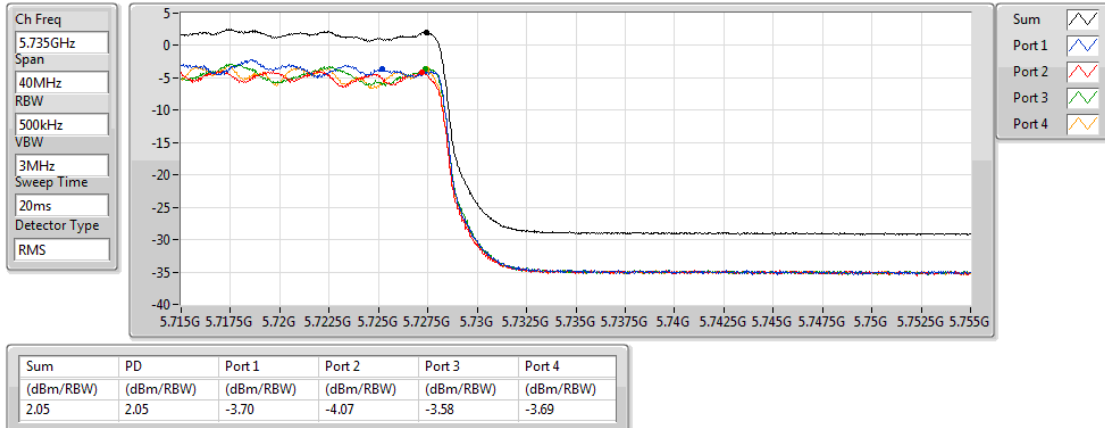


802.11ac VHT80_Nss1,(MCS0)_4TX

5690MHz Straddle 5.725-5.85GHz

PSD

24/07/2018

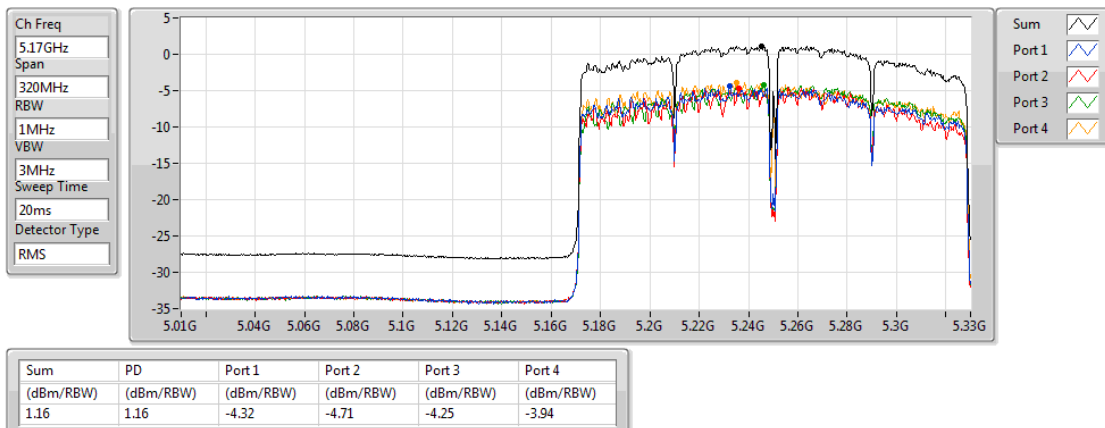


802.11ac VHT160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.15-5.25GHz

PSD

24/07/2018

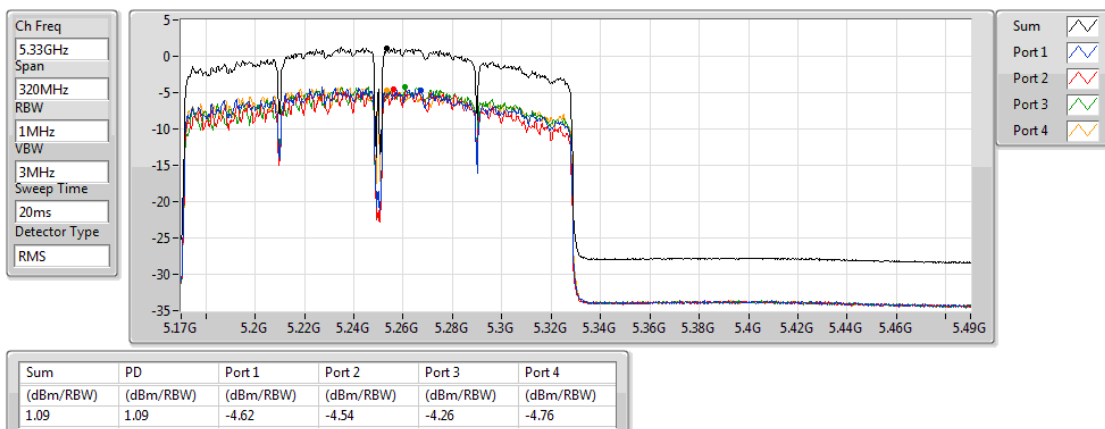


802.11ac VHT160_Nss1,(MCS0)_4TX

5250MHz Straddle 5.25-5.35GHz

PSD

24/07/2018

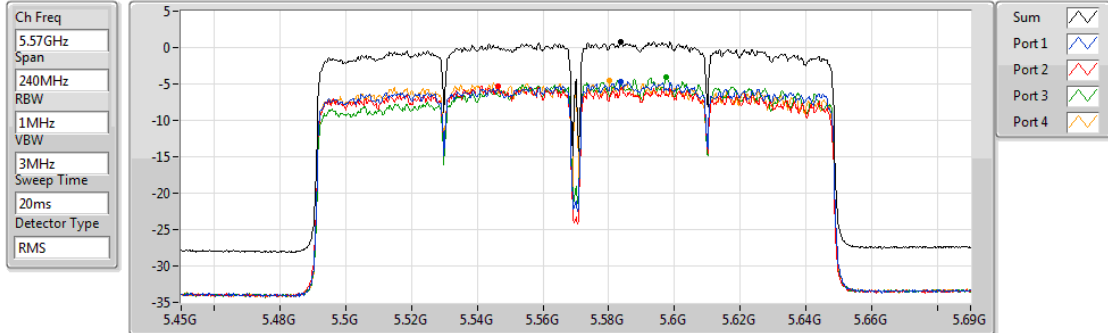


802.11ac VHT160_Nss1,(MCS0)_4TX

PSD

5570MHz

24/07/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.80	0.80	-4.68	-5.33	-4.08	-4.60

For 802.11ax, 5GHz Band 1~4:
Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	16.70
802.11ax HEW40_Nss1,(MCS0)_4TX	13.96
802.11ax HEW80_Nss1,(MCS0)_4TX	4.15
802.11ax HEW160_Nss1,(MCS0)_4TX	1.72
5.25-5.35GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	10.67
802.11ax HEW40_Nss1,(MCS0)_4TX	7.95
802.11ax HEW80_Nss1,(MCS0)_4TX	5.02
802.11ax HEW160_Nss1,(MCS0)_4TX	2.12
5.47-5.725GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	10.05
802.11ax HEW40_Nss1,(MCS0)_4TX	7.93
802.11ax HEW80_Nss1,(MCS0)_4TX	5.23
802.11ax HEW160_Nss1,(MCS0)_4TX	0.25
5.725-5.85GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.86
802.11ax HEW40_Nss1,(MCS0)_4TX	12.67
802.11ax HEW80_Nss1,(MCS0)_4TX	6.79

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.23	9.54	8.68	9.21	8.17	14.00	16.77
5200MHz	Pass	6.23	11.58	11.00	12.18	11.53	16.70	16.77
5240MHz	Pass	6.23	11.92	11.18	11.83	11.51	16.56	16.77
5260MHz	Pass	6.23	5.34	5.33	6.02	5.51	10.67	10.77
5300MHz	Pass	6.23	6.07	4.87	5.16	5.28	10.65	10.77
5320MHz	Pass	6.23	6.06	4.70	5.37	5.56	10.63	10.77
5500MHz	Pass	6.93	4.78	4.07	4.39	4.71	9.99	10.07
5580MHz	Pass	6.93	5.12	4.54	4.26	4.37	9.94	10.07
5700MHz	Pass	6.93	5.06	5.09	4.31	4.55	10.05	10.07
5720MHz Straddle 5.47-5.725GHz	Pass	6.93	5.12	5.32	4.13	4.41	10.02	10.07
5720MHz Straddle 5.725-5.85GHz	Pass	6.93	3.61	3.30	2.52	3.20	8.20	29.07
5745MHz	Pass	6.93	10.37	10.29	10.26	10.47	15.46	29.07
5785MHz	Pass	6.93	10.74	10.66	10.05	9.85	15.86	29.07
5825MHz	Pass	6.93	10.61	10.81	10.09	9.70	15.54	29.07
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.23	3.72	2.88	3.08	2.64	8.36	16.77
5230MHz	Pass	6.23	9.29	8.45	9.10	8.79	13.96	16.77
5270MHz	Pass	6.23	3.27	2.27	2.85	2.42	7.86	10.77
5310MHz	Pass	6.23	3.56	2.25	2.42	2.40	7.95	10.77
5510MHz	Pass	6.93	2.92	1.96	2.00	2.43	7.93	10.07
5550MHz	Pass	6.93	3.22	2.28	1.71	2.17	7.60	10.07
5670MHz	Pass	6.93	3.00	2.75	2.23	2.50	7.77	10.07
5710MHz Straddle 5.47-5.725GHz	Pass	6.93	2.50	2.49	2.01	2.25	7.84	10.07
5710MHz Straddle 5.725-5.85GHz	Pass	6.93	0.17	0.65	-0.30	0.18	5.80	29.07
5755MHz	Pass	6.93	7.49	6.88	6.87	8.05	12.54	29.07
5795MHz	Pass	6.93	7.48	6.69	6.85	8.02	12.67	29.07
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.23	-0.46	-0.78	-0.81	-0.75	4.15	16.77
5290MHz	Pass	6.23	0.16	-0.37	-0.39	-0.26	5.02	10.77
5530MHz	Pass	6.93	0.24	-0.67	-0.69	-0.03	5.22	10.07
5610MHz	Pass	6.93	0.05	0.29	-0.30	-0.36	5.23	10.07
5690MHz Straddle 5.47-5.725GHz	Pass	6.93	-0.63	-0.44	-1.03	-0.52	4.89	10.07
5690MHz Straddle 5.725-5.85GHz	Pass	6.93	-3.63	-3.28	-4.09	-3.83	2.16	29.07
5775MHz	Pass	6.93	1.73	1.24	1.73	1.95	6.79	29.07
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.23	-3.07	-3.81	-3.40	-3.20	1.72	16.77
5250MHz Straddle 5.25-5.35GHz	Pass	6.23	-3.23	-3.32	-3.29	-3.72	2.12	10.77
5570MHz	Pass	6.93	-5.47	-4.62	-5.50	-6.27	0.25	10.07

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

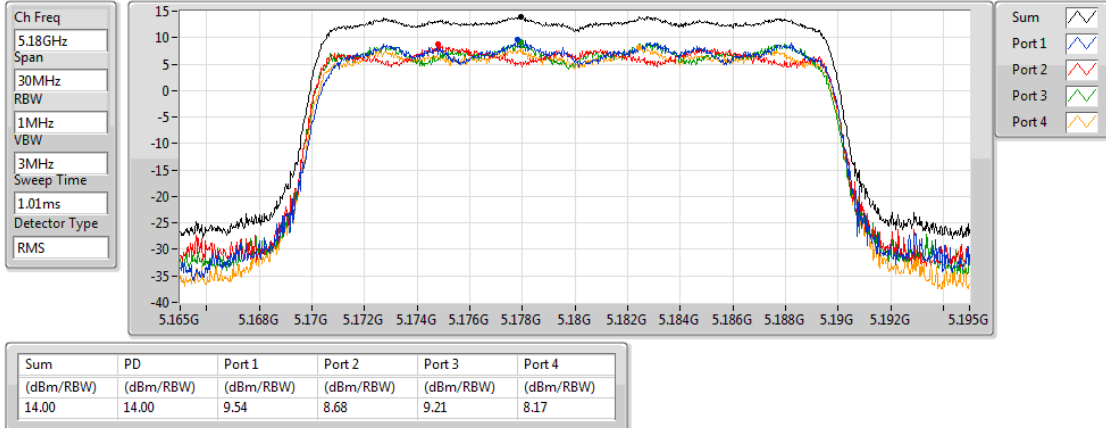
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

31/07/2018

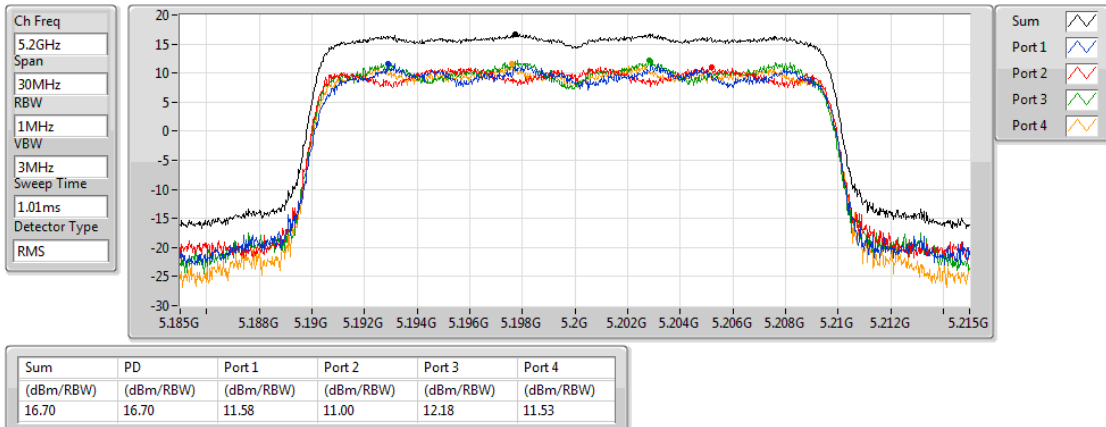


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

31/07/2018

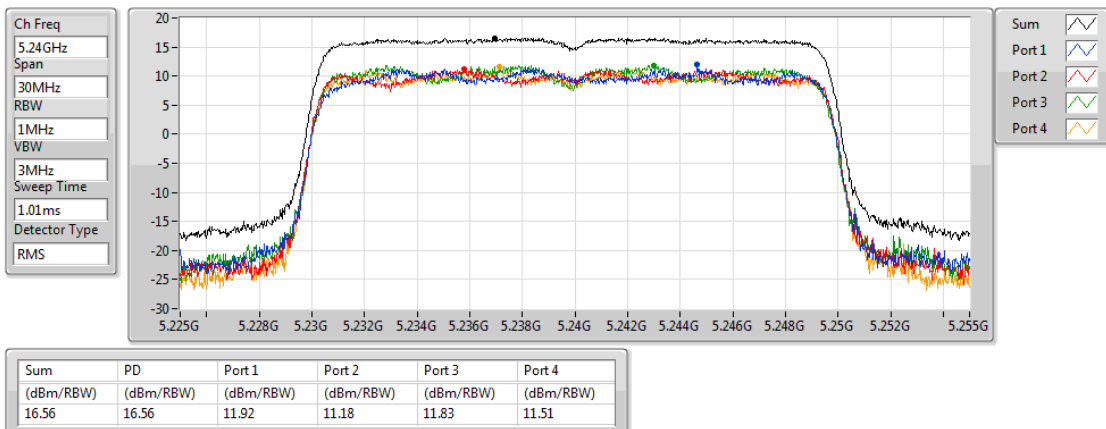


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

31/07/2018

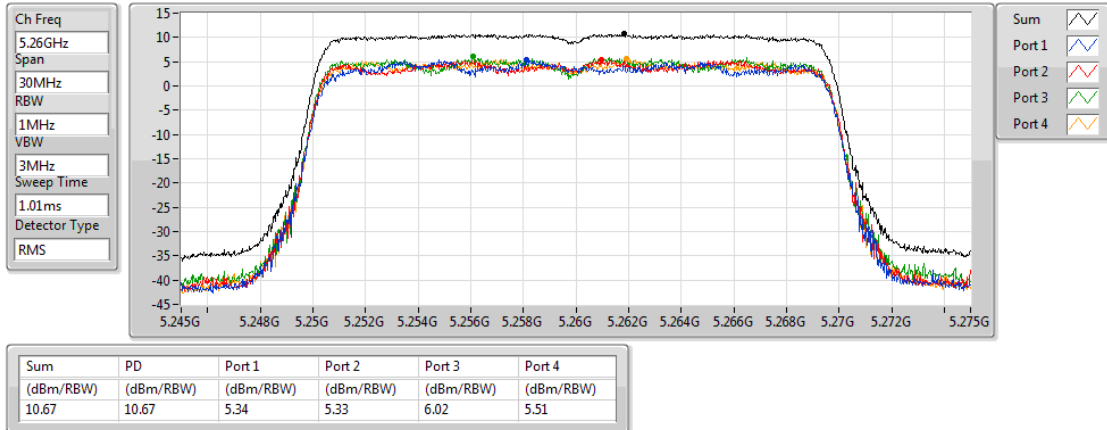


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

31/07/2018

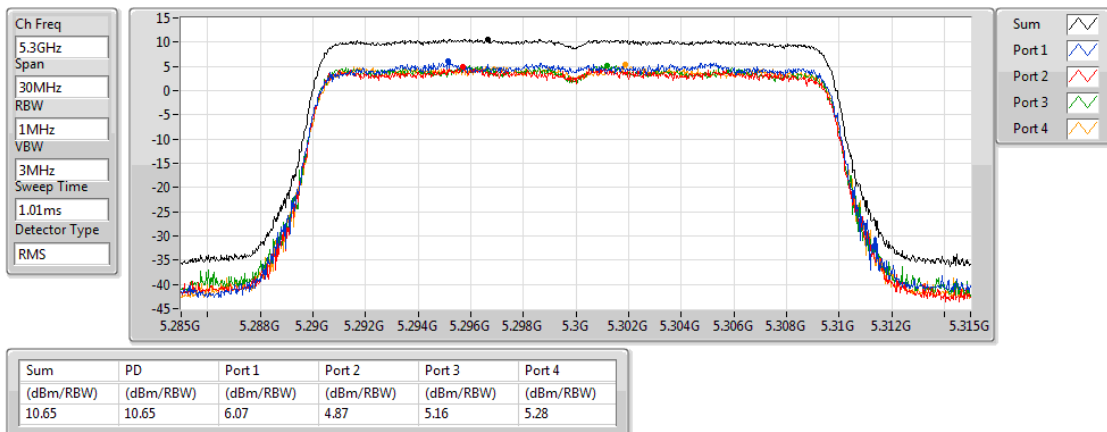


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

31/07/2018

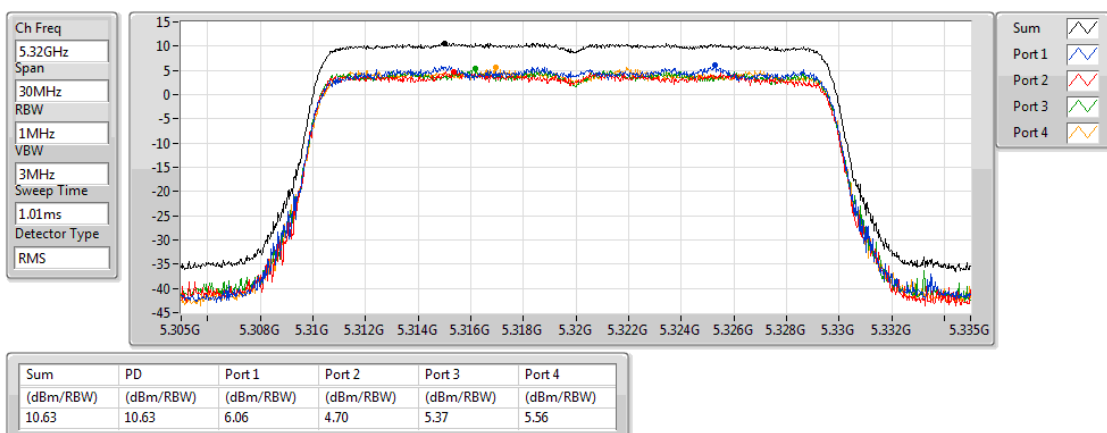


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

31/07/2018

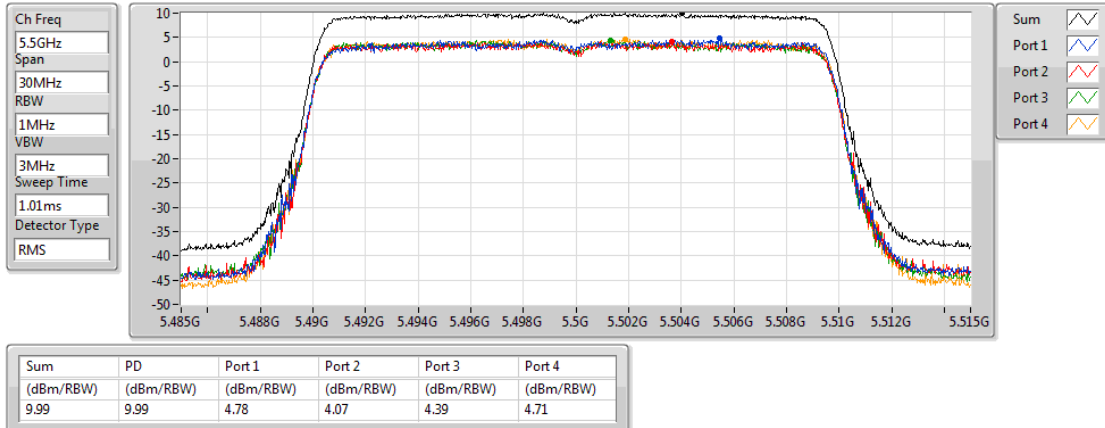


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

31/07/2018

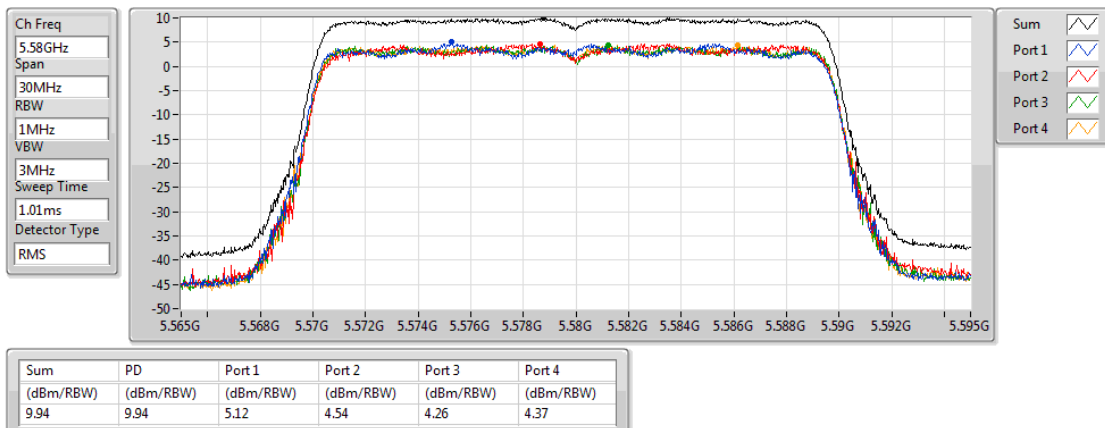


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

31/07/2018

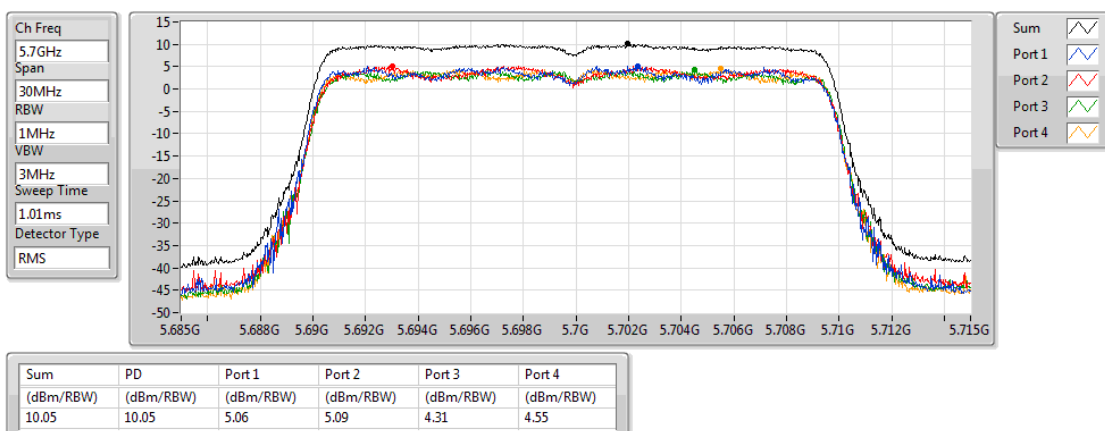


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

31/07/2018

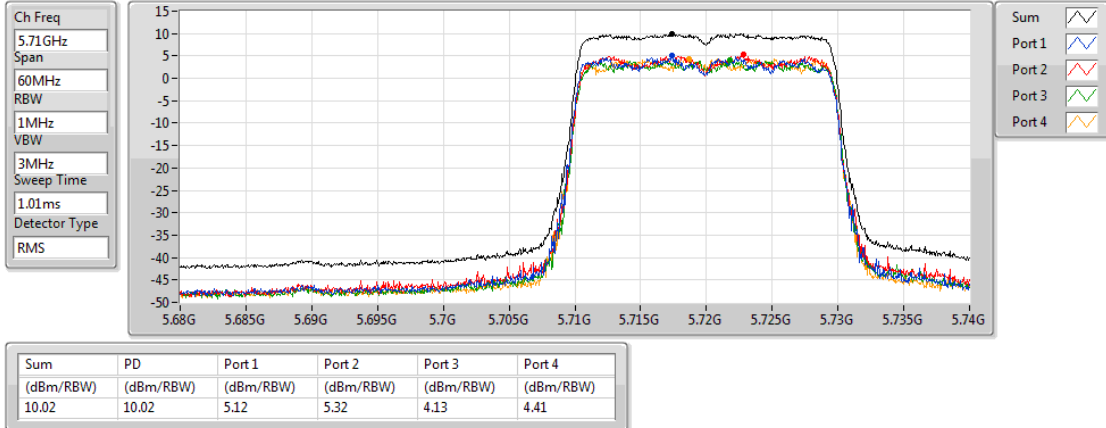


802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.47-5.725GHz

PSD

31/07/2018

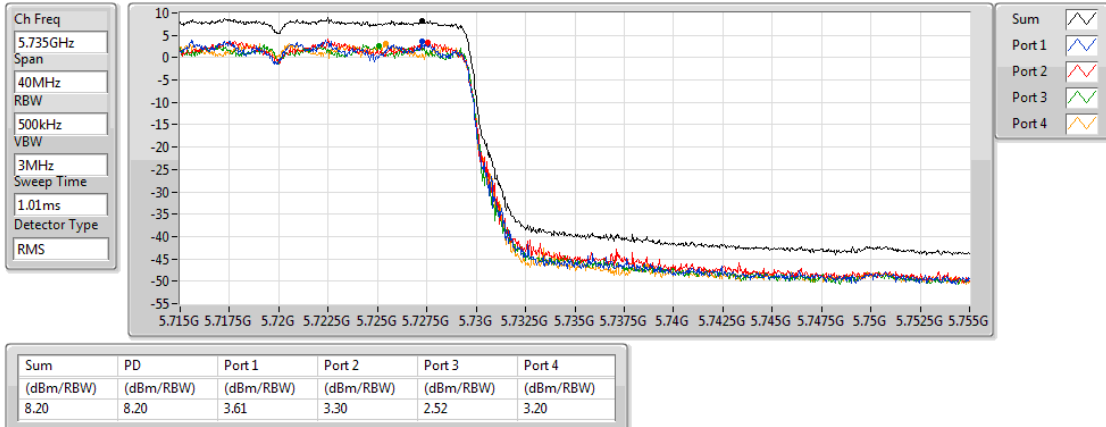


802.11ax HEW20_Nss1,(MCS0)_4TX

5720MHz Straddle 5.725-5.85GHz

PSD

31/07/2018

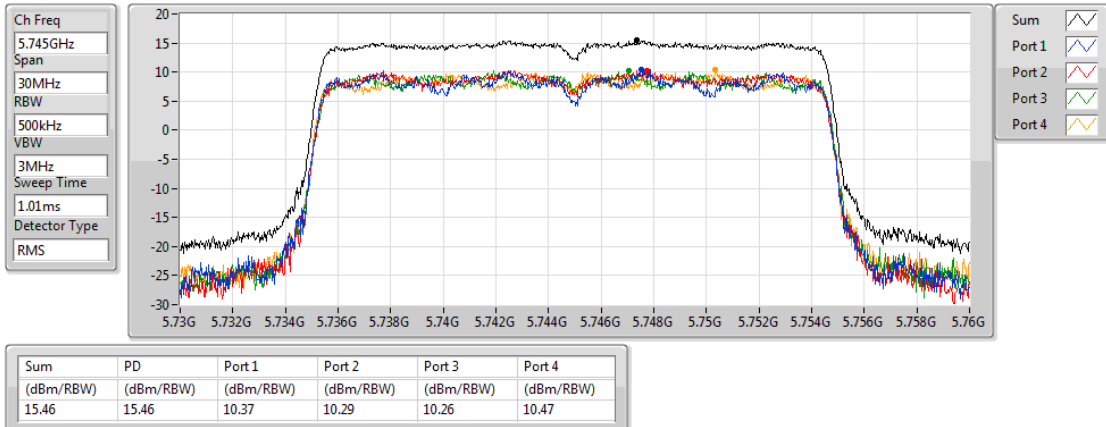


802.11ax HEW20_Nss1,(MCS0)_4TX

5745MHz

PSD

31/07/2018

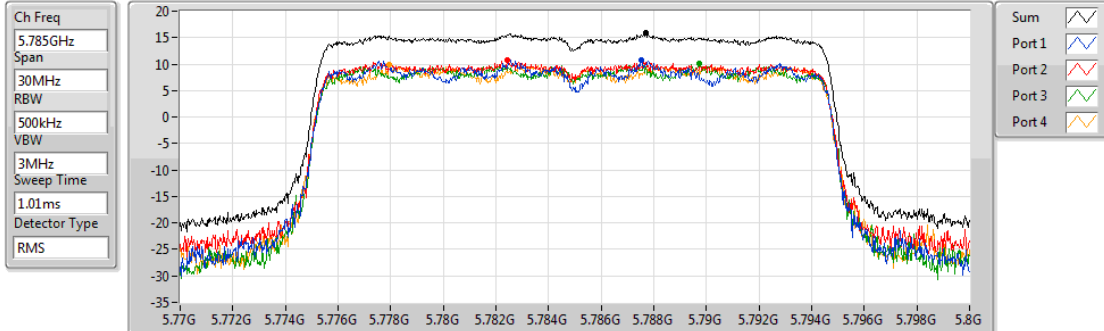


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

31/07/2018

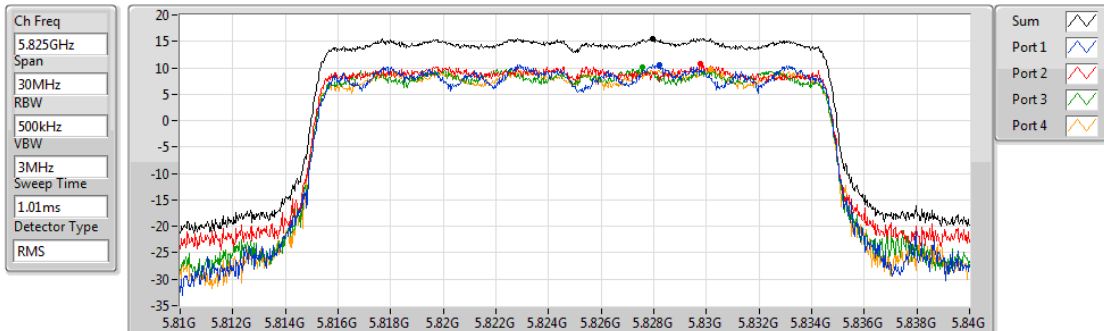


802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

31/07/2018

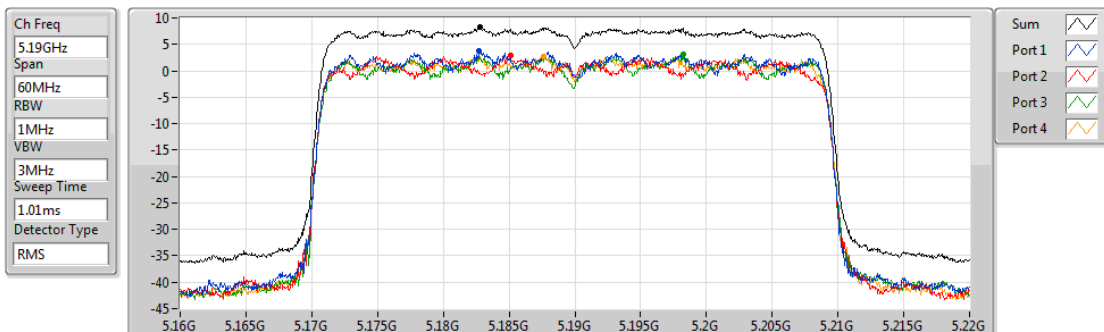


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

31/07/2018

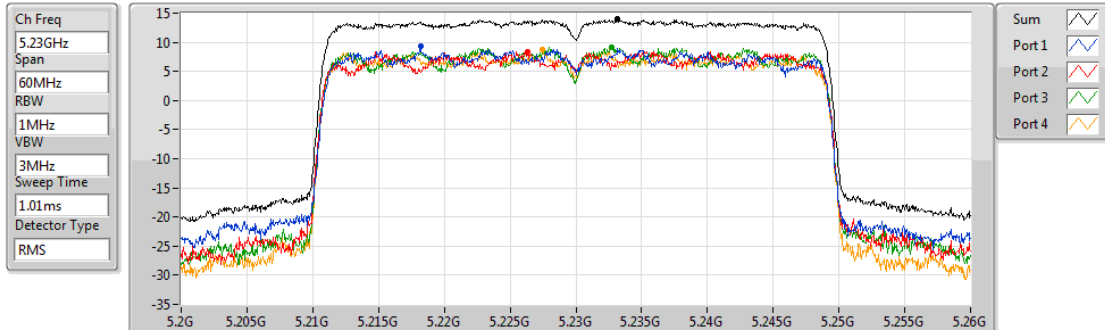


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

31/07/2018



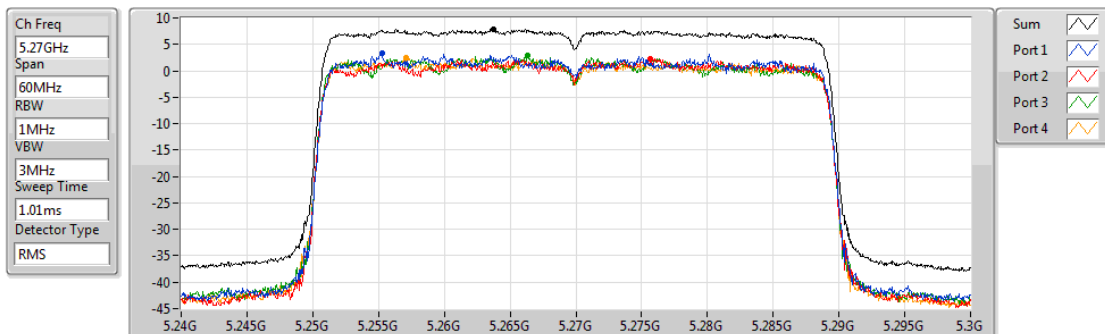
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
13.96	13.96	9.29	8.45	9.10	8.79

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

31/07/2018



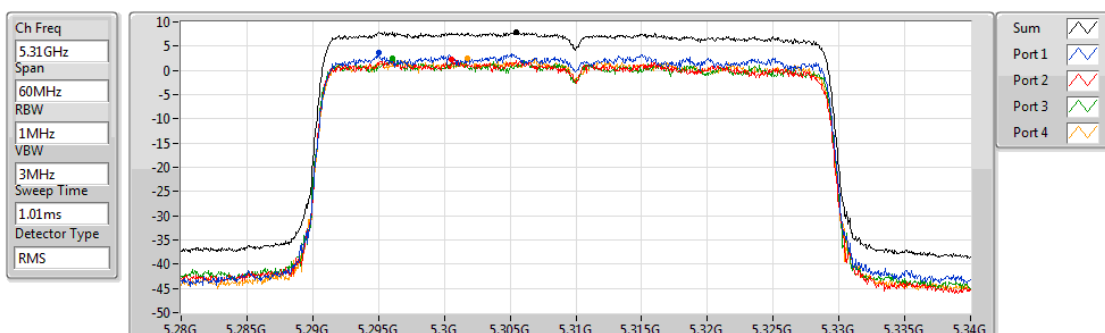
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.86	7.86	3.27	2.27	2.85	2.42

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

31/07/2018



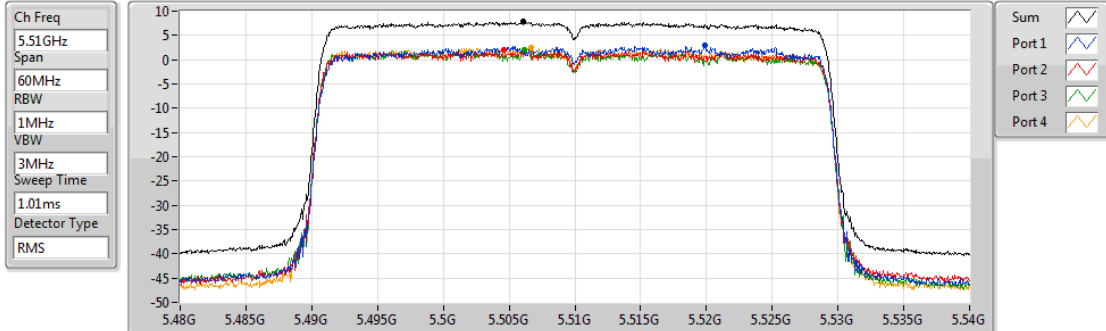
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.95	7.95	3.56	2.25	2.42	2.40

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

31/07/2018



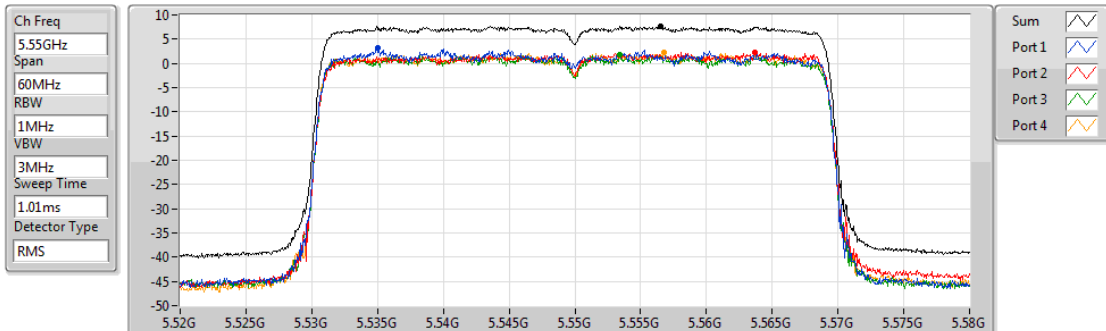
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.93	7.93	2.92	1.96	2.00	2.43

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

31/07/2018



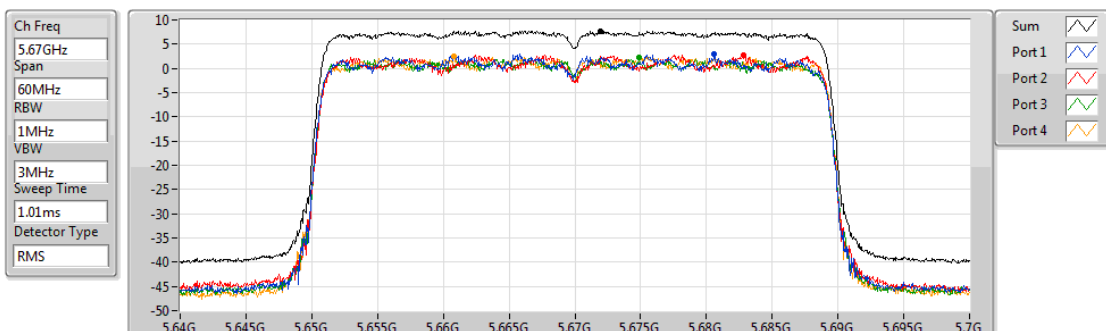
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.60	7.60	3.22	2.28	1.71	2.17

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

31/07/2018



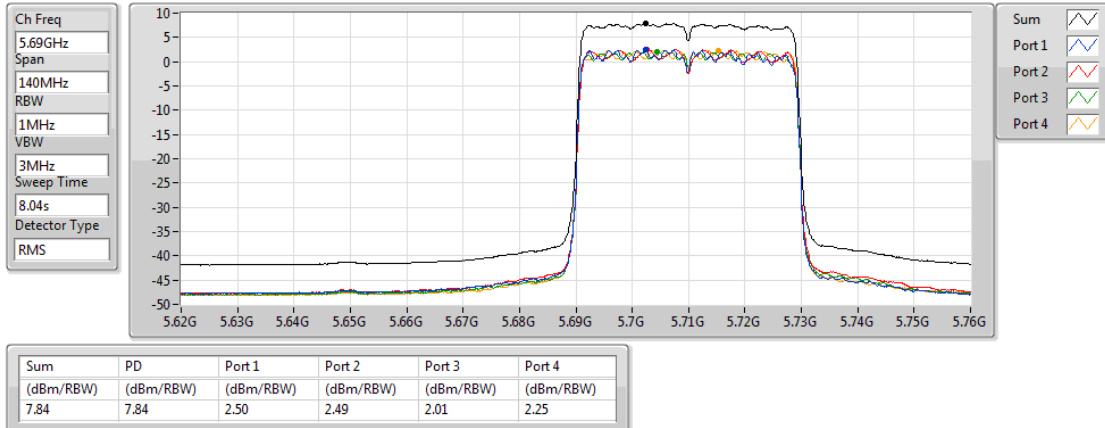
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.77	7.77	3.00	2.75	2.23	2.50

802.11ax HEW40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.47-5.725GHz

PSD

31/07/2018

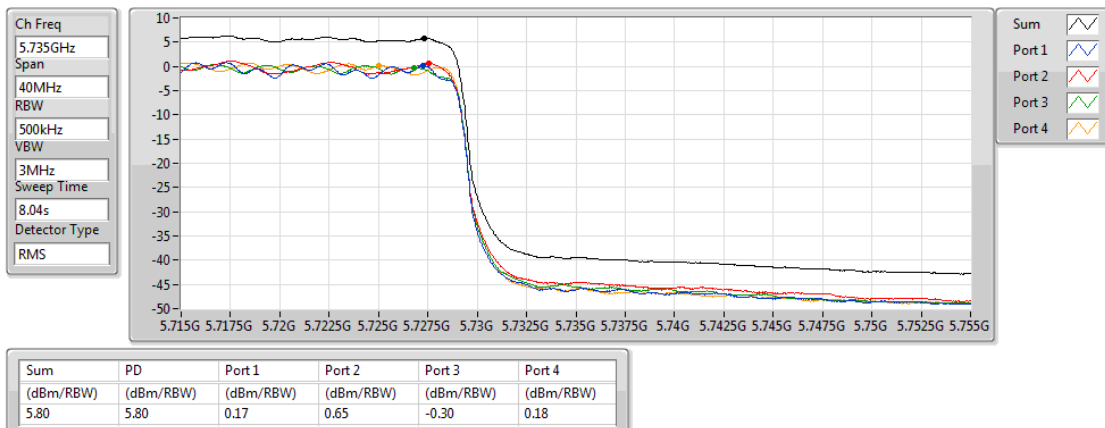


802.11ax HEW40_Nss1,(MCS0)_4TX

5710MHz Straddle 5.725-5.85GHz

PSD

31/07/2018

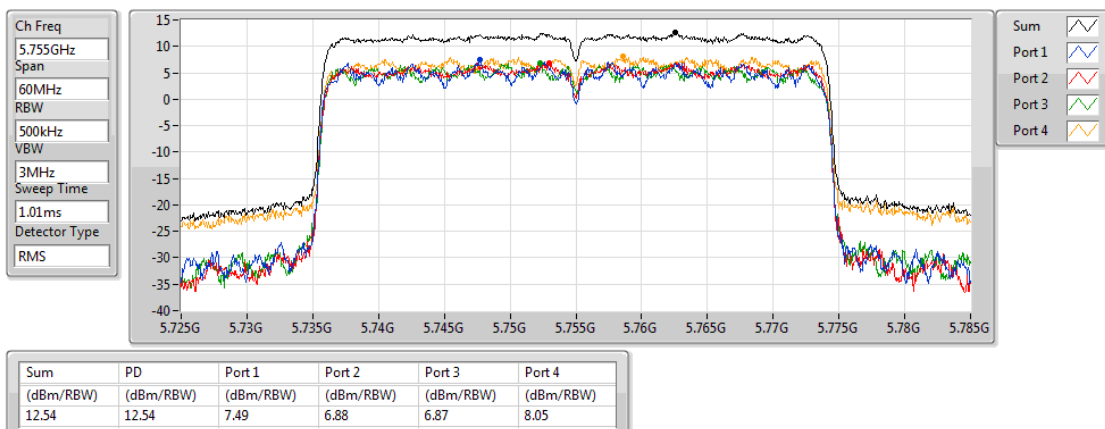


802.11ax HEW40_Nss1,(MCS0)_4TX

5755MHz

PSD

31/07/2018

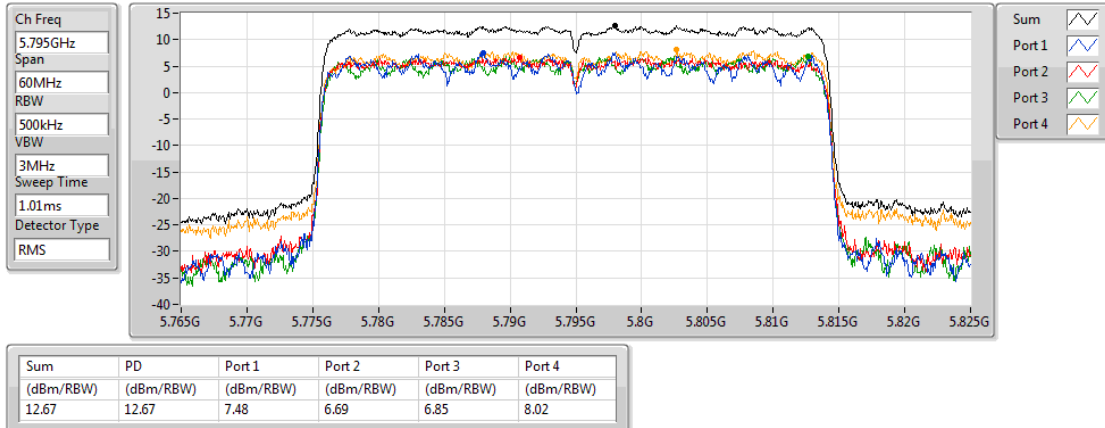


802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

31/07/2018

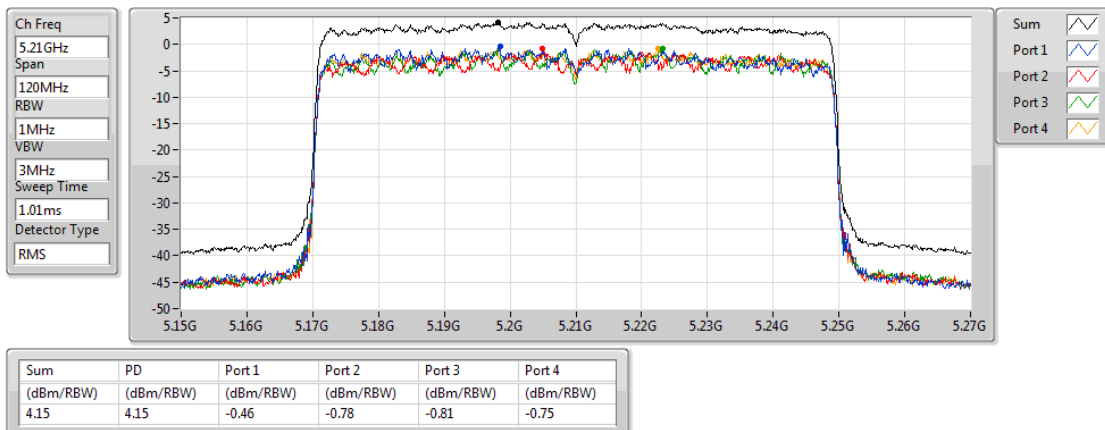


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

31/07/2018

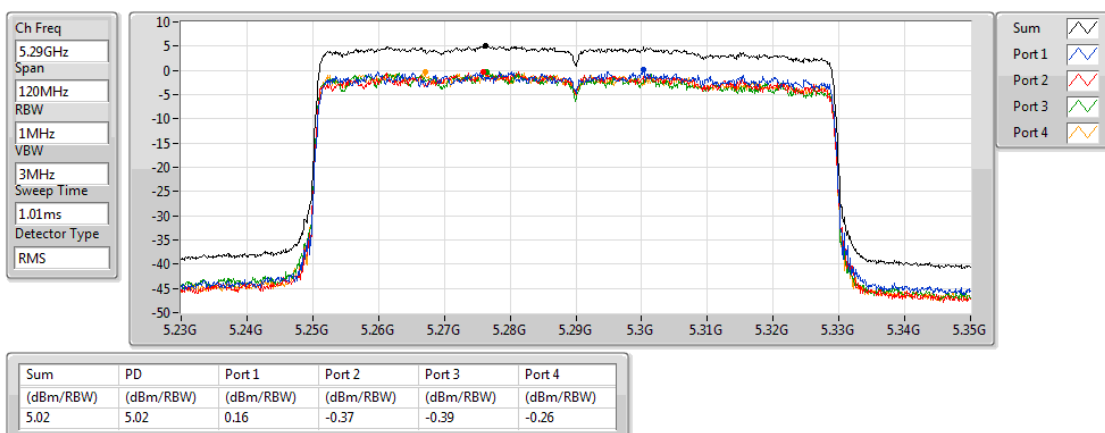


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

31/07/2018

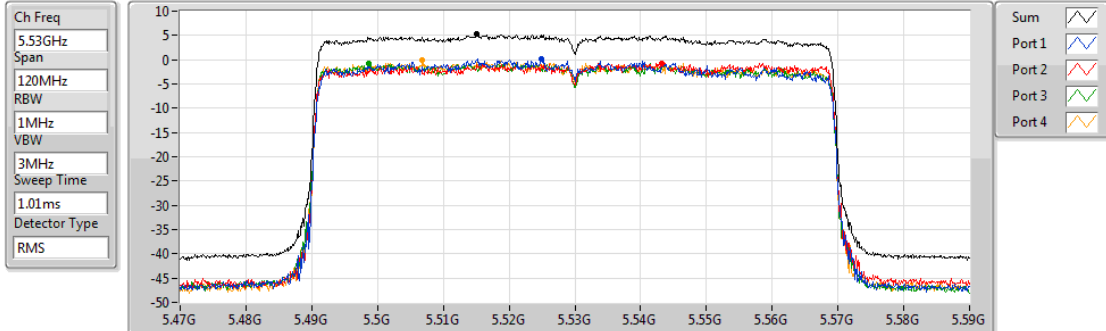


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

31/07/2018



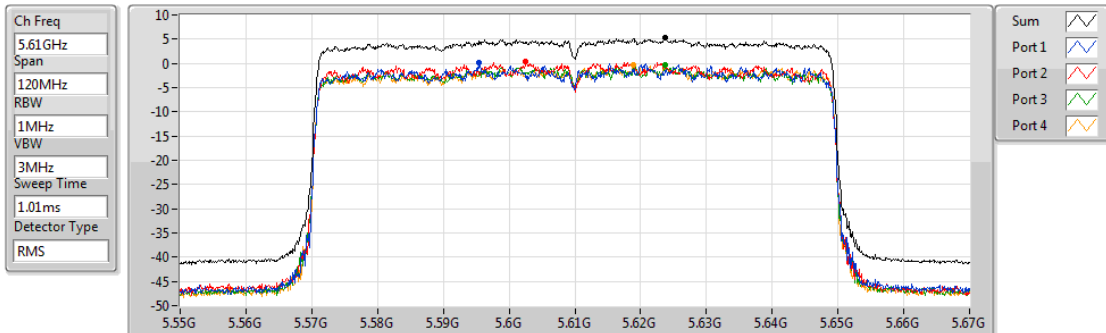
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.22	5.22	0.24	-0.67	-0.69	-0.03

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

31/07/2018



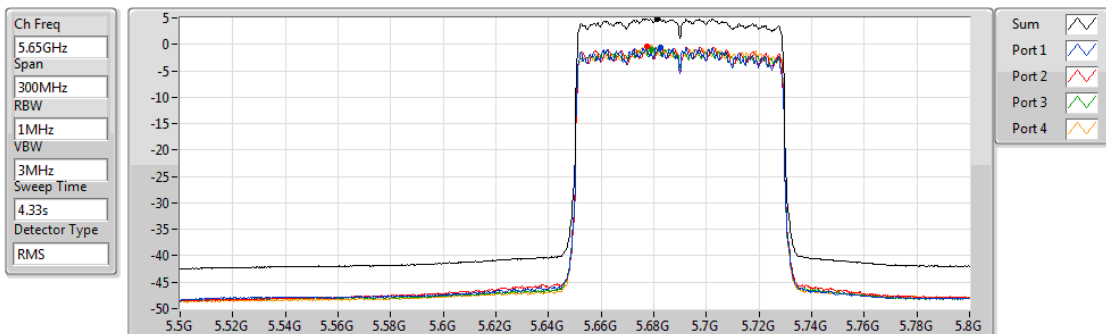
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.23	5.23	0.05	0.29	-0.30	-0.36

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

31/07/2018



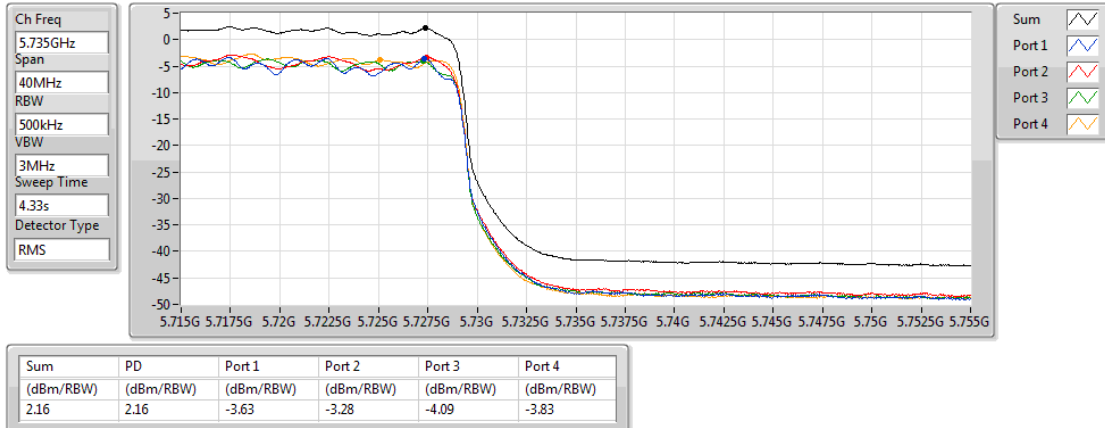
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.89	4.89	-0.63	-0.44	-1.03	-0.52

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

31/07/2018

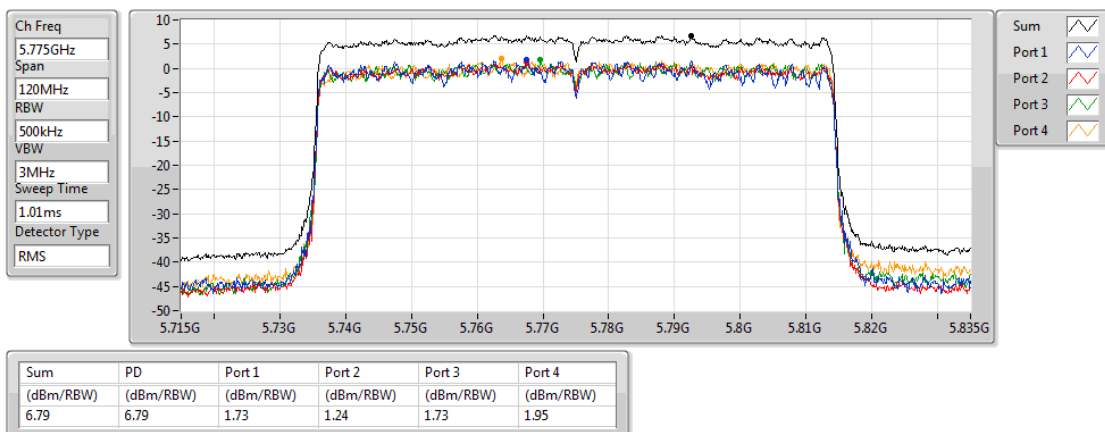


802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

31/07/2018

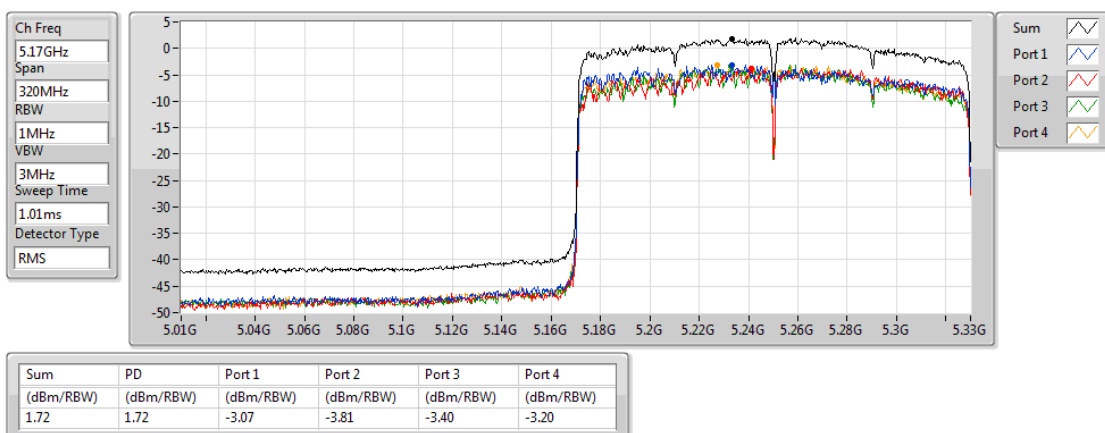


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

31/07/2018

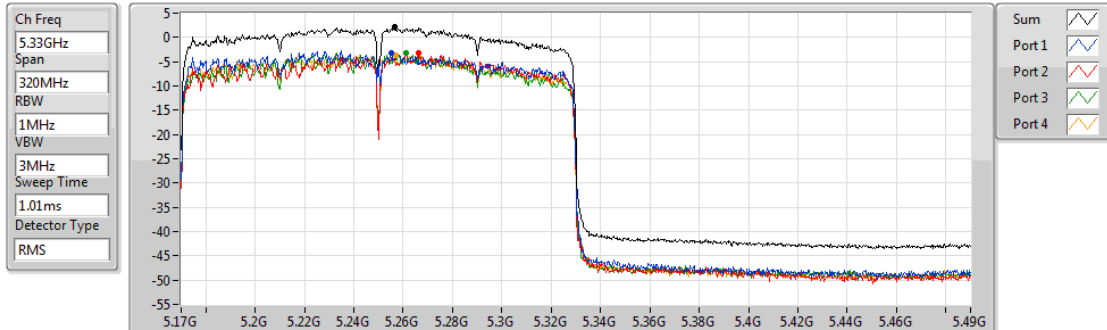


802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

31/07/2018



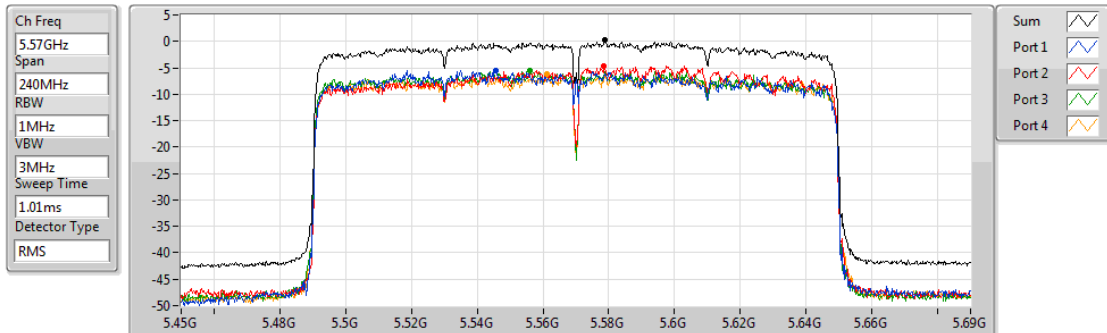
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.12	2.12	-3.23	-3.32	-3.29	-3.72

802.11ax HEW160_Nss1,(MCS0)_4TX

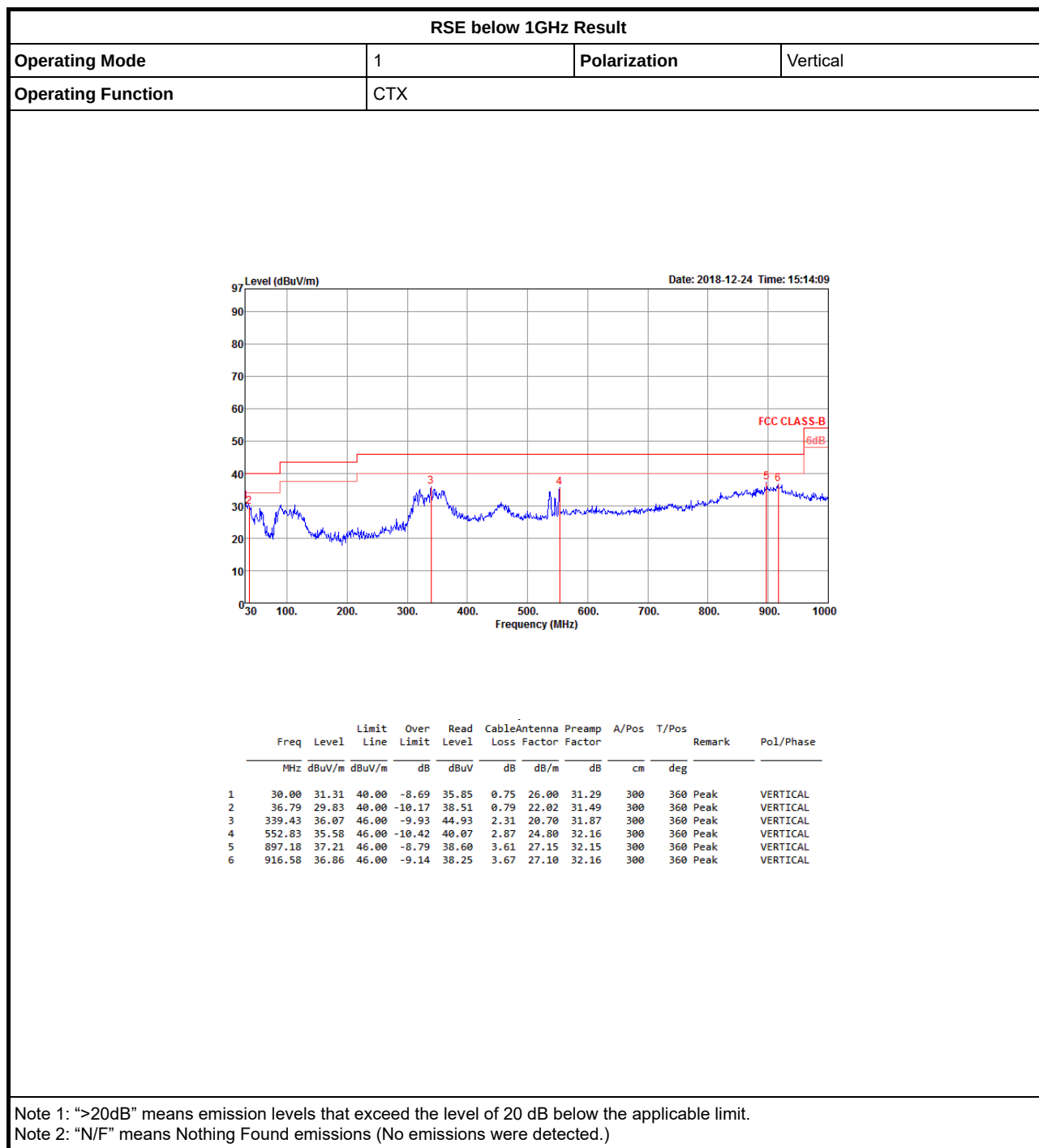
PSD

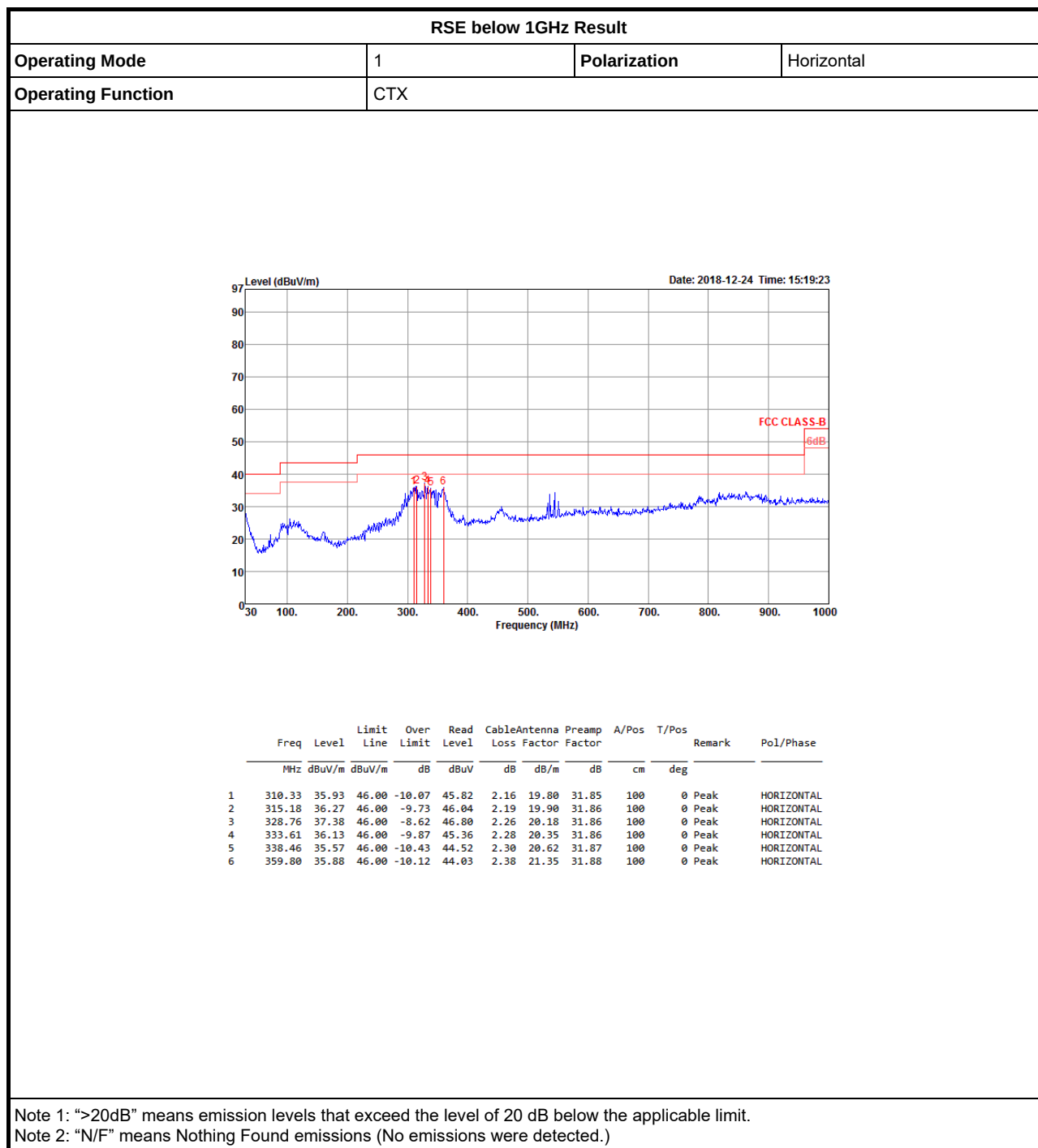
5570MHz

31/07/2018



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.25	0.25	-5.47	-4.62	-5.50	-6.27





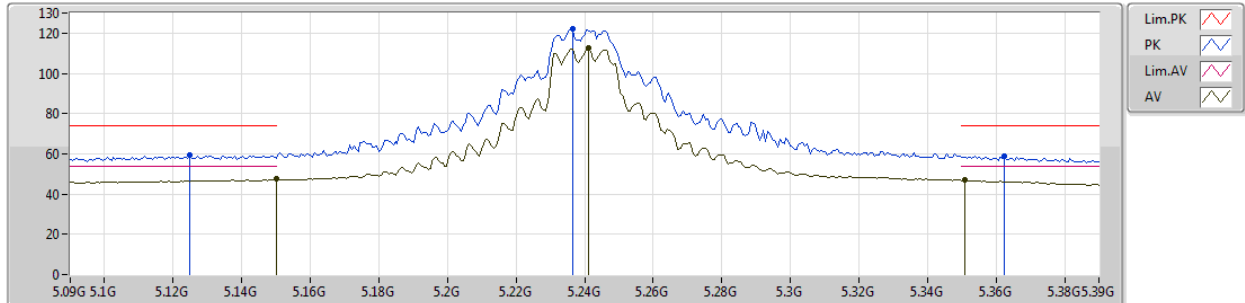
**For 802.11ac VHT20 5240 MHz:****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.15G	47.40	54.00	-6.60	4.30	3	Vertical	338	1.05	-

802.11ac VHT20_Nss1,(MCS0)_4TX

21/12/2018

5240MHz_TX



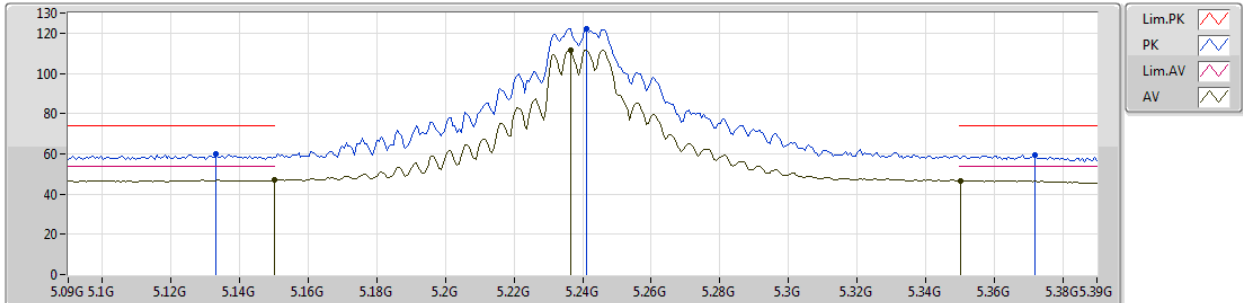
EUT Y_4TX
Setting 94
01-W-3-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1248G	59.12	74.00	-14.88	4.28	3	Vertical	338	1.05	-
AV	5.15G	47.40	54.00	-6.60	4.30	3	Vertical	338	1.05	-
PK	5.2364G	121.94	Inf	-Inf	4.47	3	Vertical	338	1.05	-
AV	5.2412G	112.37	Inf	-Inf	4.48	3	Vertical	338	1.05	-
PK	5.3624G	58.74	74.00	-15.26	4.93	3	Vertical	338	1.05	-
AV	5.351G	46.86	54.00	-7.14	4.88	3	Vertical	338	1.05	-

802.11ac VHT20_Nss1,(MCS0)_4TX

21/12/2018

5240MHz_TX



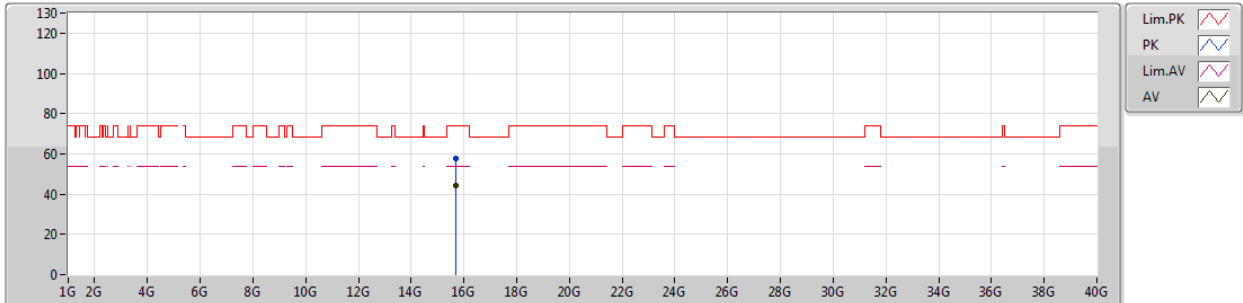
EUT Y_4TX
Setting 94
01-W-3-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1332G	60.10	74.00	-13.90	4.29	3	Horizontal	110	2.12	-
AV	5.15G	46.94	54.00	-7.06	4.30	3	Horizontal	110	2.12	-
PK	5.2412G	122.39	Inf	-Inf	4.48	3	Horizontal	110	2.12	-
AV	5.2364G	111.75	Inf	-Inf	4.47	3	Horizontal	110	2.12	-
PK	5.372G	59.54	74.00	-14.46	4.96	3	Horizontal	110	2.12	-
AV	5.3504G	46.77	54.00	-7.23	4.88	3	Horizontal	110	2.12	-

802.11ac VHT20_Nss1,(MCS0)_4TX

21/12/2018

5240MHz_TX



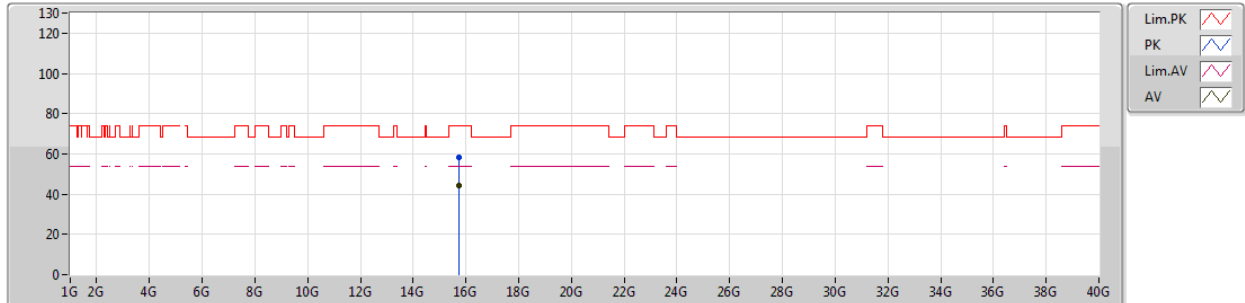
EUT Y_4TX
Setting 94
01-W-3
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments						
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)							
PK	15.71154G	57.87	74.00	-16.13	14.37	3	Vertical	238	1.65	-						
AV	15.70728G	44.42	54.00	-9.58	14.37	3	Vertical	238	1.65	-						

802.11ac VHT20_Nss1,(MCS0)_4TX

21/12/2018

5240MHz_TX



EUT Y_4TX
Setting 94
01-W-3
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.71796G	58.05	74.00	-15.95	14.36	3	Horizontal	14	1.68	-
AV	15.71604G	44.49	54.00	-9.51	14.36	3	Horizontal	14	1.68	-

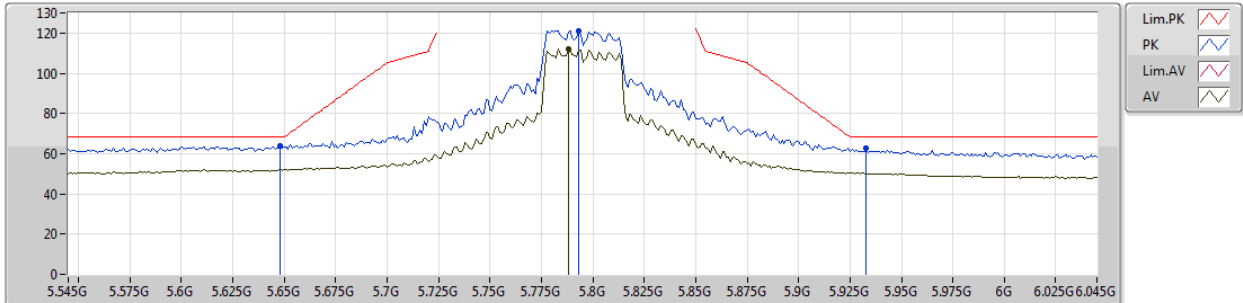
**For 802.11ac VHT40 5795 MHz:****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_4TX	Pass	PK	5.648G	64.15	68.20	-4.05	9.20	3	Vertical	22	1.33	-

802.11ac VHT40_Nss1,(MCS0)_4TX

21/12/2018

5795MHz_TX



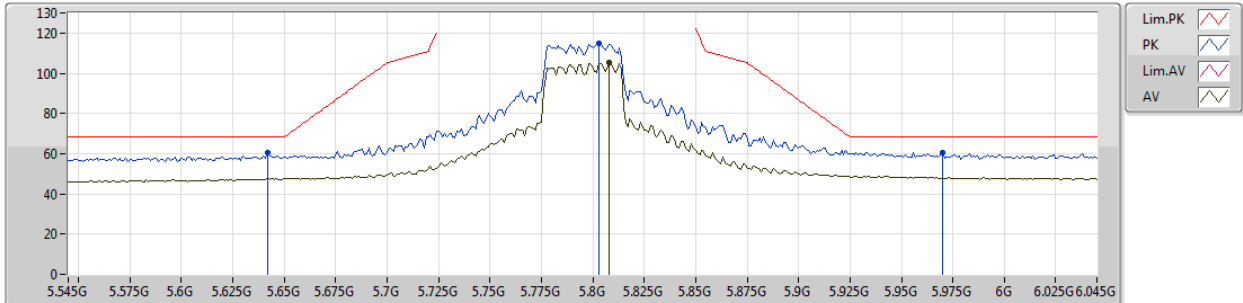
EUT Y_4TX
Setting 94
02-L-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.648G	64.15	68.20	-4.05	9.20	3	Vertical	22	1.33	-
PK	5.793G	121.18	Inf	-Inf	9.24	3	Vertical	22	1.33	-
AV	5.788G	112.01	Inf	-Inf	9.24	3	Vertical	22	1.33	-
PK	5.933G	62.87	68.20	-5.33	9.35	3	Vertical	22	1.33	-

802.11ac VHT40_Nss1,(MCS0)_4TX

21/12/2018

5795MHz_TX



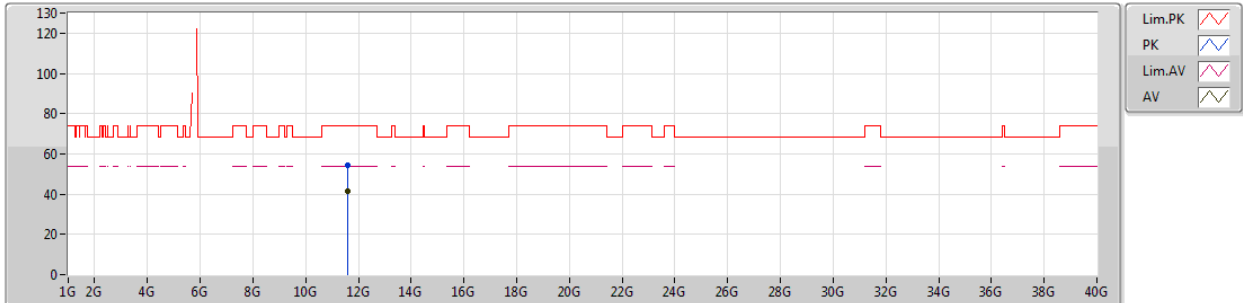
EUT Y_4TX
Setting 94
01-W-3-10
FSU

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.642G	60.57	68.20	-7.63	5.76	3	Horizontal	139	1.55	-
PK	5.803G	114.60	Inf	-Inf	6.09	3	Horizontal	139	1.55	-
AV	5.808G	105.36	Inf	-Inf	6.12	3	Horizontal	139	1.55	-
PK	5.97G	60.55	68.20	-7.65	7.13	3	Horizontal	139	1.55	-

802.11ac VHT40_Nss1,(MCS0)_4TX

21/12/2018

5795MHz_TX



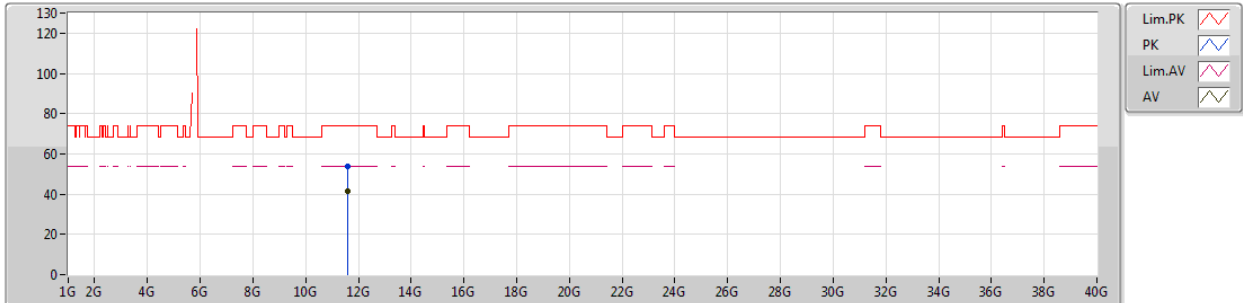
EUT Y_4TX
Setting 94
01-W-3
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.5972G	54.34	74.00	-19.66	12.19	3	Vertical	31	1.89	-
AV	11.59792G	41.65	54.00	-12.35	12.19	3	Vertical	31	1.89	-

802.11ac VHT40_Nss1,(MCS0)_4TX

21/12/2018

5795MHz_TX



EUT Y_4TX
Setting 94
01-W-3
FSU

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.59534G	54.05	74.00	-19.95	12.19	3	Horizontal	108	1.87	-
AV	11.57704G	41.56	54.00	-12.44	12.19	3	Horizontal	108	1.87	-



For 802.11a/ac, 5GHz Band 2:

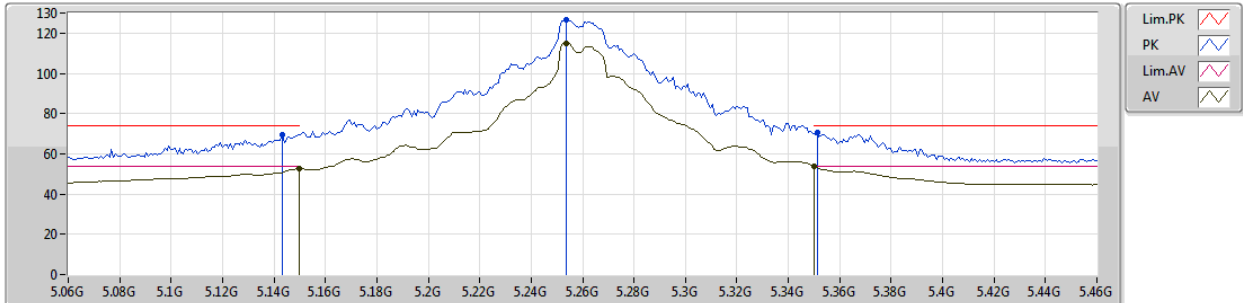
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	5.3524G	73.98	74.00	-0.02	5.61	3	Horizontal	110	1.47	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5260MHz_TX



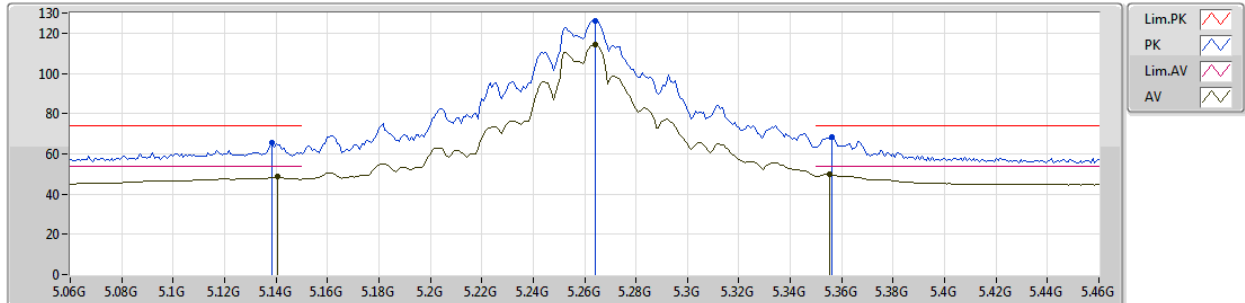
EUT Y_4TX
Setting 111
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1432G	69.43	74.00	-4.57	4.89	3	Vertical	200	2.06	-
AV	5.1496G	52.60	54.00	-1.40	4.90	3	Vertical	200	2.06	-
PK	5.2536G	126.37	Inf	-Inf	5.20	3	Vertical	200	2.06	-
AV	5.2536G	115.01	Inf	-Inf	5.20	3	Vertical	200	2.06	-
PK	5.3512G	70.64	74.00	-3.36	5.60	3	Vertical	200	2.06	-
AV	5.350005G	53.88	54.00	-0.12	5.60	3	Vertical	200	2.06	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5260MHz_TX



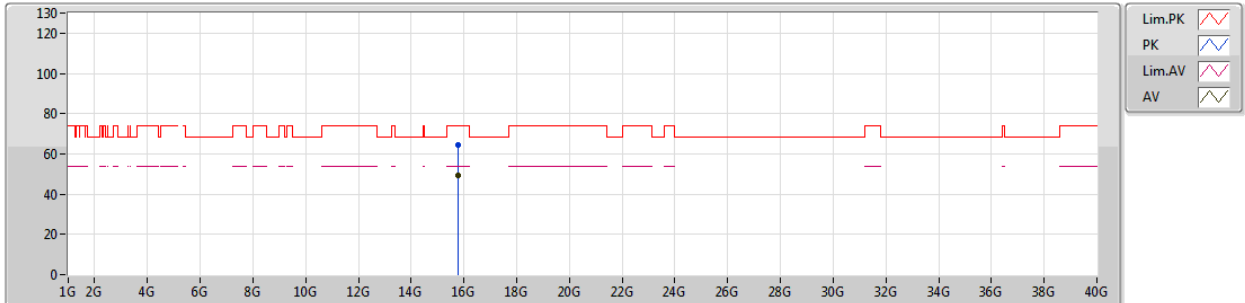
EUT Y_4TX
Setting 111
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1384G	65.49	74.00	-8.51	4.88	3	Horizontal	114	2.53	-
AV	5.1408G	48.62	54.00	-5.38	4.89	3	Horizontal	114	2.53	-
PK	5.264G	126.20	Inf	-Inf	5.25	3	Horizontal	114	2.53	-
AV	5.264G	114.41	Inf	-Inf	5.25	3	Horizontal	114	2.53	-
PK	5.356G	68.29	74.00	-5.71	5.62	3	Horizontal	114	2.53	-
AV	5.3552G	49.89	54.00	-4.11	5.62	3	Horizontal	114	2.53	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5260MHz_TX



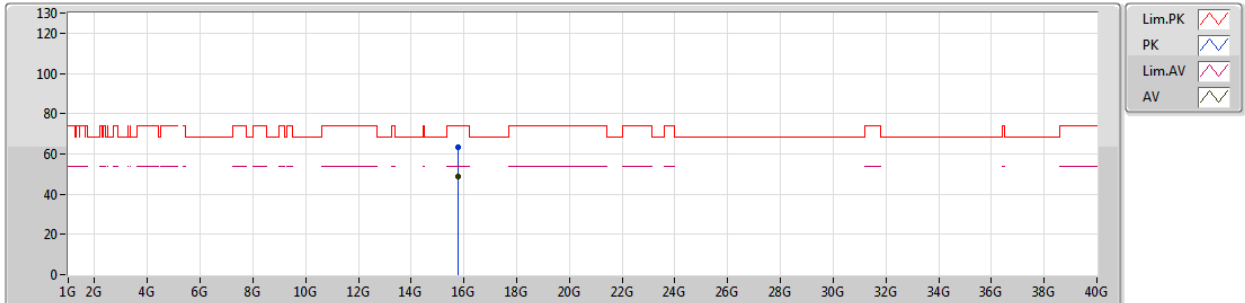
EUT Y_4TX
Setting 111
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.784G	64.32	74.00	-9.68	15.54	3	Vertical	147	1.66	-
AV	15.7836G	49.20	54.00	-4.80	15.54	3	Vertical	147	1.66	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5260MHz_TX



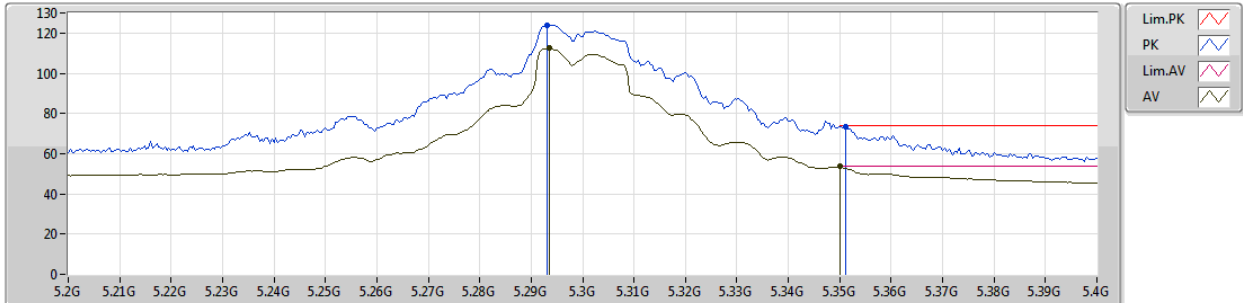
EUT Y_4TX
Setting 111
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.78424G	63.47	74.00	-10.53	15.54	3	Horizontal	157	1.84	-
AV	15.78364G	48.78	54.00	-5.22	15.54	3	Horizontal	157	1.84	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5300MHz_TX



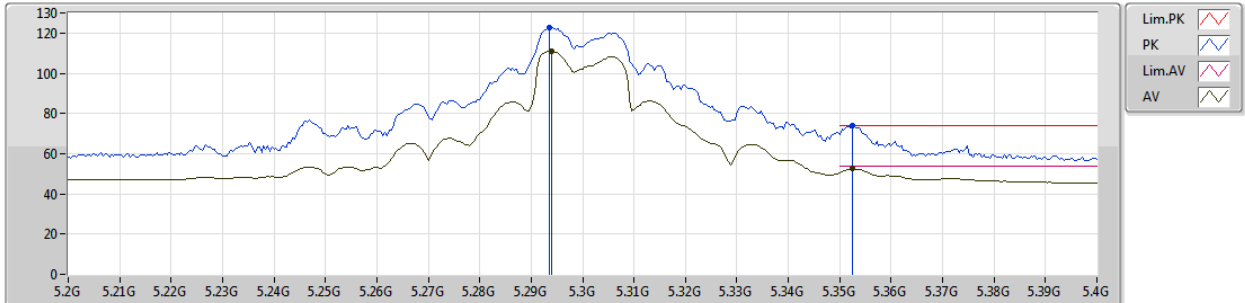
EUT Y_4TX
Setting 102
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.2932G	124.01	Inf	-Inf	5.38	3	Vertical	202	1.86	-
AV	5.2936G	112.38	Inf	-Inf	5.38	3	Vertical	202	1.86	-
PK	5.3512G	73.56	74.00	-0.44	5.60	3	Vertical	202	1.86	-
AV	5.350005G	53.66	54.00	-0.34	5.60	3	Vertical	202	1.86	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5300MHz_TX



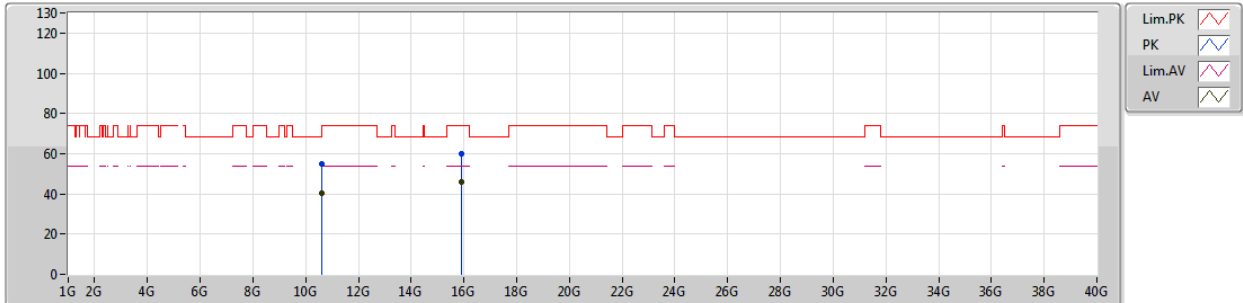
EUT Y_4TX
Setting 102
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.296G	122.55	Inf	-Inf	5.38	3	Horizontal	110	1.47	-
AV	5.294G	111.00	Inf	-Inf	5.38	3	Horizontal	110	1.47	-
PK	5.3524G	73.98	74.00	-0.02	5.61	3	Horizontal	110	1.47	-
AV	5.3524G	52.42	54.00	-1.58	5.61	3	Horizontal	110	1.47	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5300MHz_TX



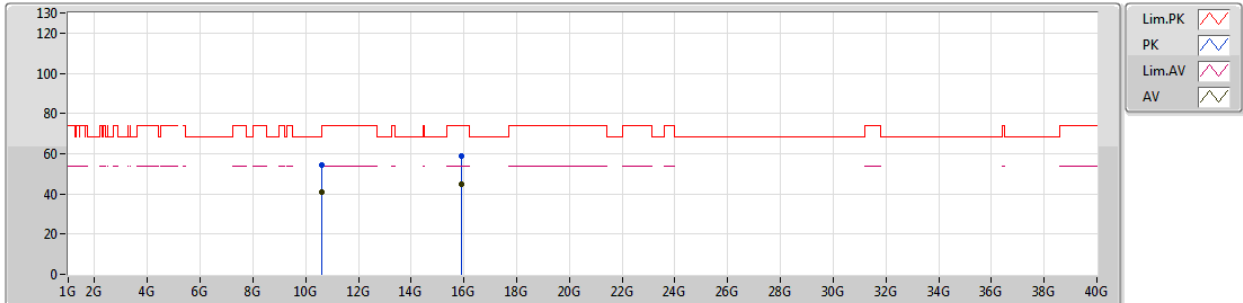
EUT Y_4TX
Setting 102
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60972G	54.68	74.00	-19.32	12.90	3	Vertical	218	1.66	-
AV	10.60012G	40.58	54.00	-13.42	12.89	3	Vertical	218	1.66	-
PK	15.90204G	59.82	74.00	-14.18	15.36	3	Vertical	190	1.56	-
AV	15.90296G	46.03	54.00	-7.97	15.35	3	Vertical	190	1.56	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5300MHz_TX



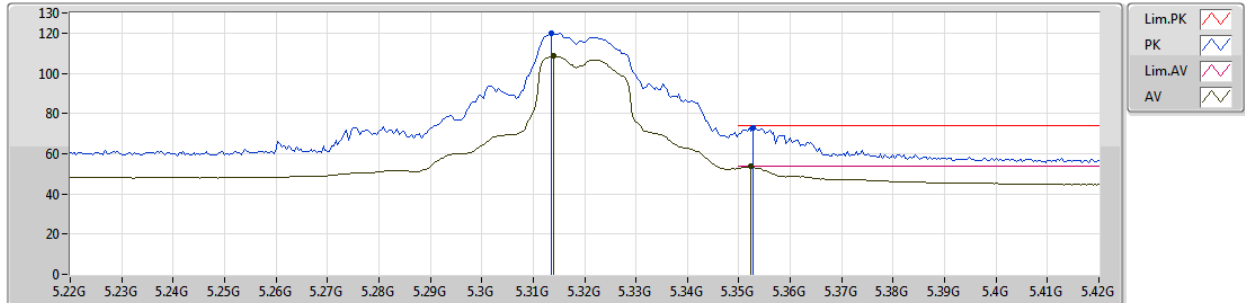
EUT Y_4TX
Setting 102
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60092G	54.56	74.00	-19.44	12.89	3	Horizontal	247	1.37	-
AV	10.60016G	40.80	54.00	-13.20	12.89	3	Horizontal	247	1.37	-
PK	15.90436G	58.77	74.00	-15.23	15.35	3	Horizontal	159	1.29	-
AV	15.90424G	44.96	54.00	-9.04	15.35	3	Horizontal	159	1.29	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5320MHz_TX



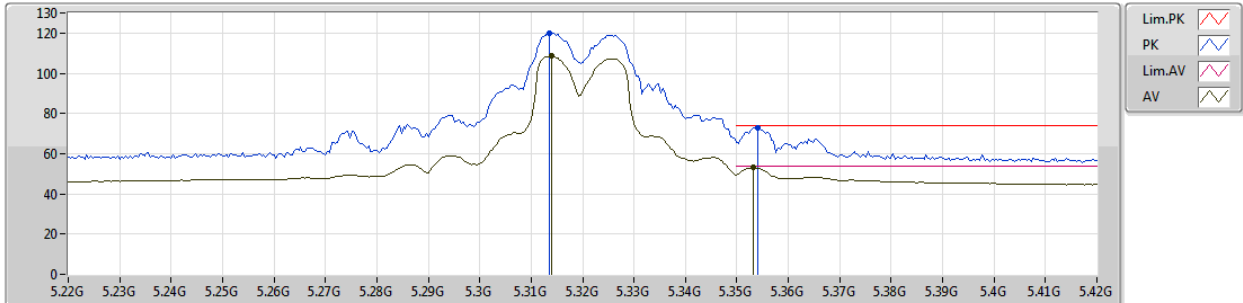
EUT Y_4TX
Setting 91
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3136G	119.68	Inf	-Inf	5.46	3	Vertical	197	2.17	-
AV	5.314G	108.45	Inf	-Inf	5.46	3	Vertical	197	2.17	-
PK	5.3528G	73.09	74.00	-0.91	5.61	3	Vertical	197	2.17	-
AV	5.3524G	53.52	54.00	-0.48	5.61	3	Vertical	197	2.17	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5320MHz_TX



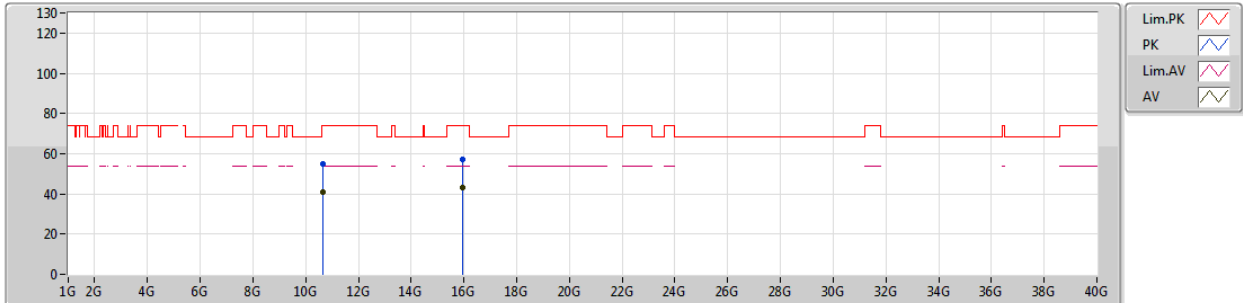
EUT Y_4TX
Setting 91
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3136G	119.76	Inf	-Inf	5.46	3	Horizontal	115	1.54	-
AV	5.314G	108.47	Inf	-Inf	5.46	3	Horizontal	115	1.54	-
PK	5.354G	72.97	74.00	-1.03	5.62	3	Horizontal	115	1.54	-
AV	5.3532G	53.00	54.00	-1.00	5.62	3	Horizontal	115	1.54	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5320MHz_TX



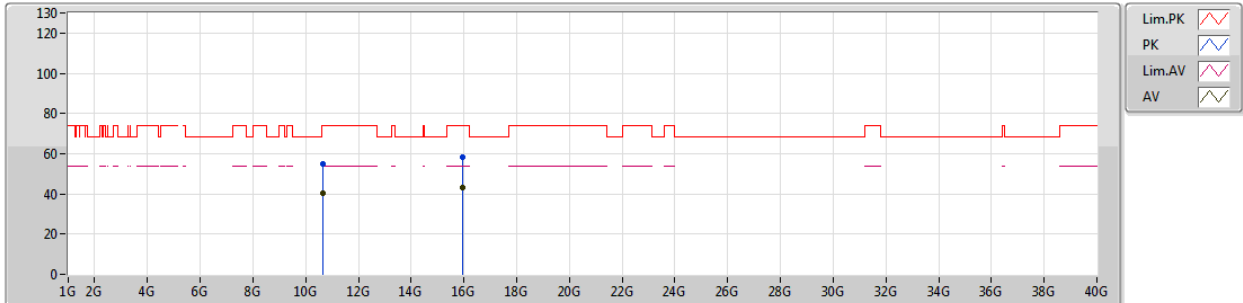
EUT Y_4TX
Setting 91
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.636G	55.09	74.00	-18.91	12.93	3	Vertical	157	1.50	-
AV	10.63872G	40.71	54.00	-13.29	12.93	3	Vertical	157	1.50	-
PK	15.96232G	56.90	74.00	-17.10	15.26	3	Vertical	197	1.50	-
AV	15.96252G	43.05	54.00	-10.95	15.26	3	Vertical	197	1.50	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5320MHz_TX



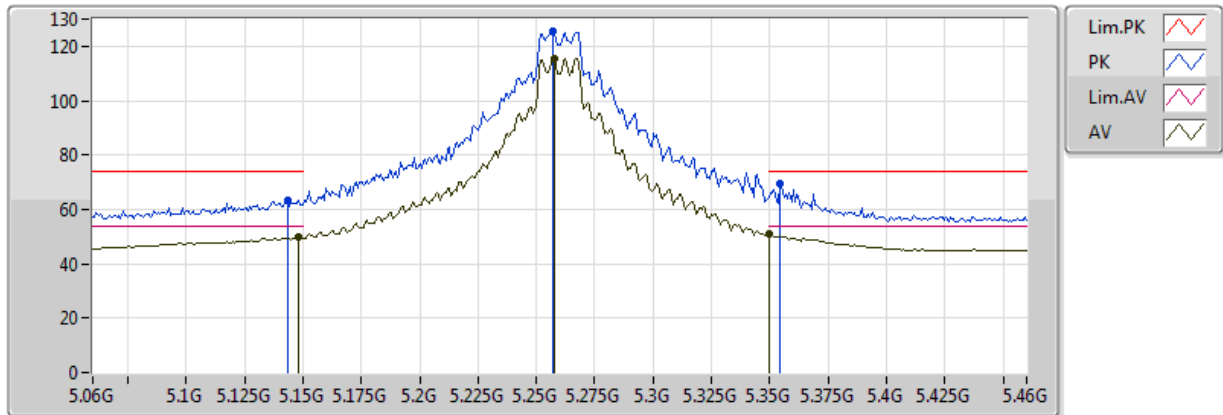
EUT_Y_4TX
Setting 91
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.64052G	54.91	74.00	-19.09	12.93	3	Horizontal	227	2.11	-
AV	10.63924G	40.56	54.00	-13.44	12.93	3	Horizontal	227	2.11	-
PK	15.96152G	58.15	74.00	-15.85	15.26	3	Horizontal	218	1.50	-
AV	15.9644G	43.00	54.00	-11.00	15.26	3	Horizontal	218	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

24/07/2018



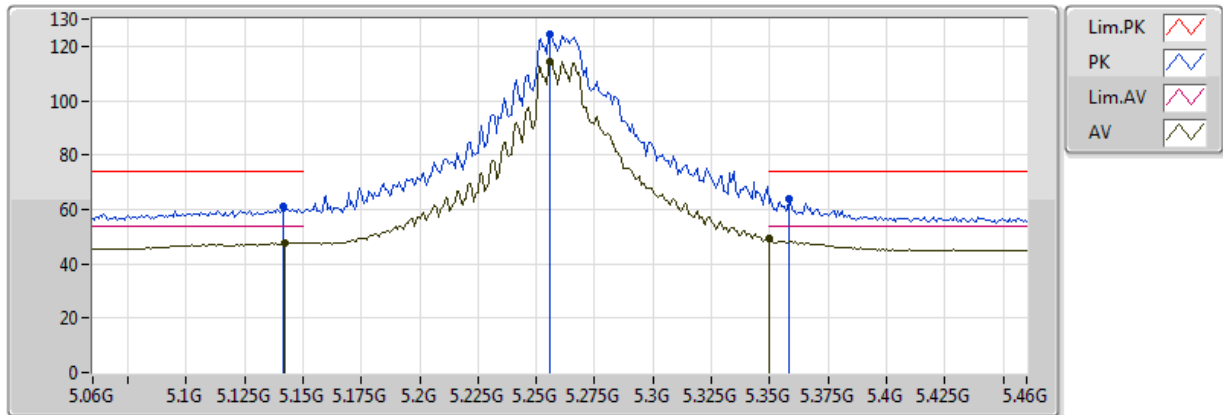
EUT Y_4TX
Setting 120
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1432G	63.50	74.00	-10.50	4.89	3	Vertical	237	1.53	-
AV	5.148G	49.94	54.00	-4.06	4.90	3	Vertical	237	1.53	-
PK	5.2568G	125.62	Inf	-Inf	5.22	3	Vertical	237	1.53	-
AV	5.2576G	115.45	Inf	-Inf	5.22	3	Vertical	237	1.53	-
PK	5.3544G	69.29	74.00	-4.71	5.62	3	Vertical	237	1.53	-
AV	5.350005G	50.85	54.00	-3.15	5.60	3	Vertical	237	1.53	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

24/07/2018



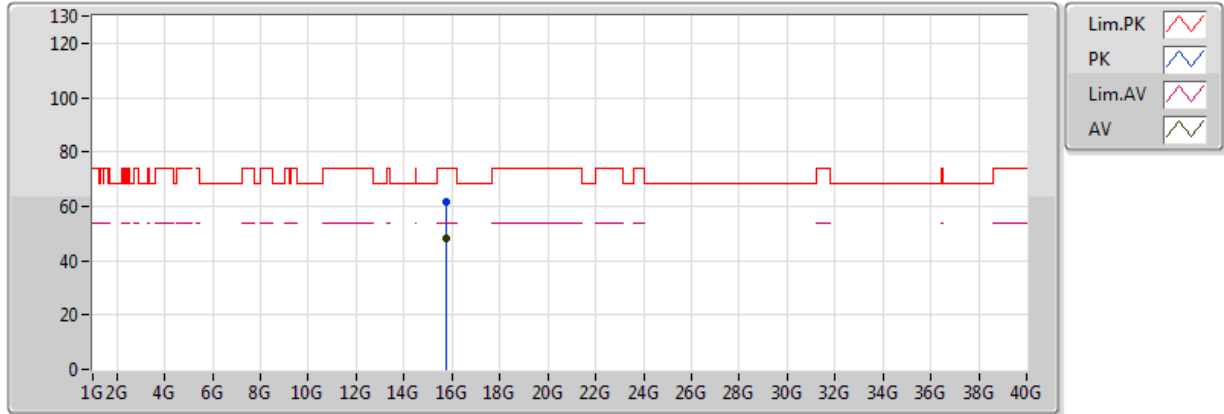
EUT Y_4TX
Setting 120
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1416G	61.35	74.00	-12.65	4.89	3	Horizontal	333	1.50	-
AV	5.1424G	47.84	54.00	-6.16	4.89	3	Horizontal	333	1.50	-
PK	5.256G	124.64	Inf	-Inf	5.21	3	Horizontal	333	1.50	-
AV	5.256G	114.49	Inf	-Inf	5.21	3	Horizontal	333	1.50	-
PK	5.3584G	64.11	74.00	-9.89	5.63	3	Horizontal	333	1.50	-
AV	5.350005G	49.16	54.00	-4.84	5.60	3	Horizontal	333	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

24/07/2018



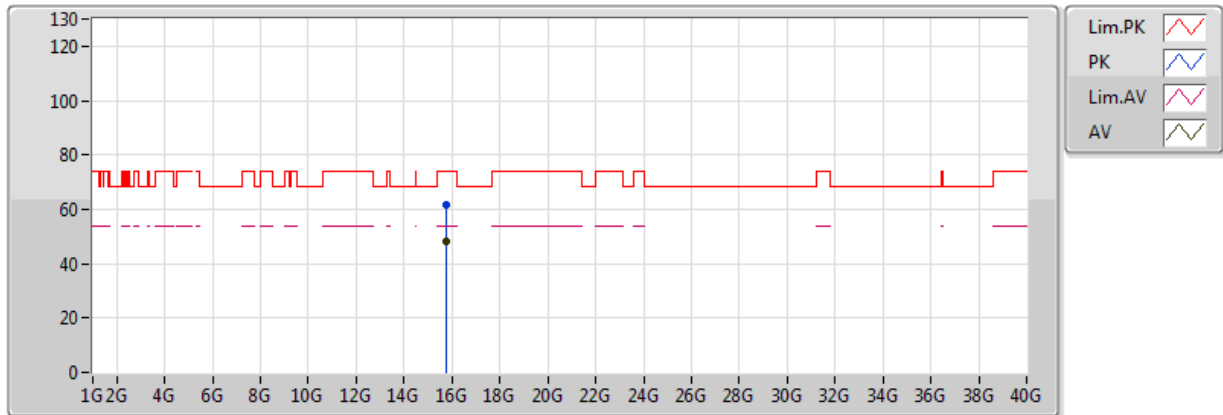
EUT Y_4TX
Setting 120
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78258G	61.42	74.00	-12.58	15.55	3	Vertical	189	2.99	-
AV	15.78246G	48.16	54.00	-5.84	15.55	3	Vertical	189	2.99	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5260MHz_TX

24/07/2018



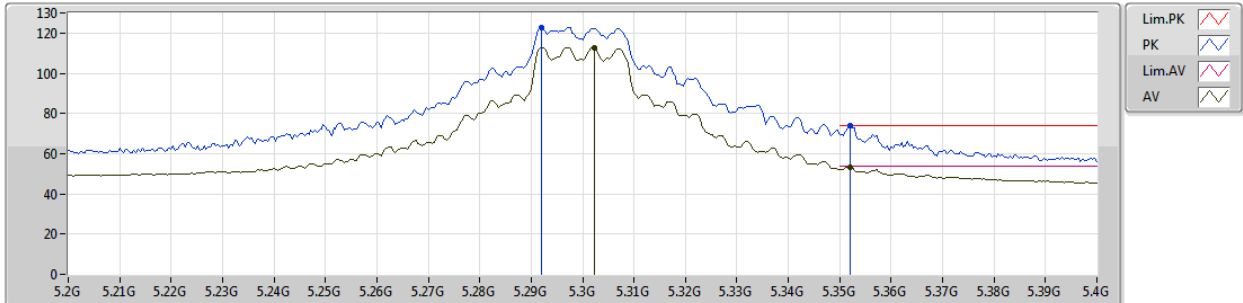
EUT Y_4TX
Setting 120
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	15.78738G	61.48	74.00	-12.52	15.54	3	Horizontal	137	1.38	-
AV	15.77766G	48.34	54.00	-5.66	15.55	3	Horizontal	137	1.38	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5300MHz_TX



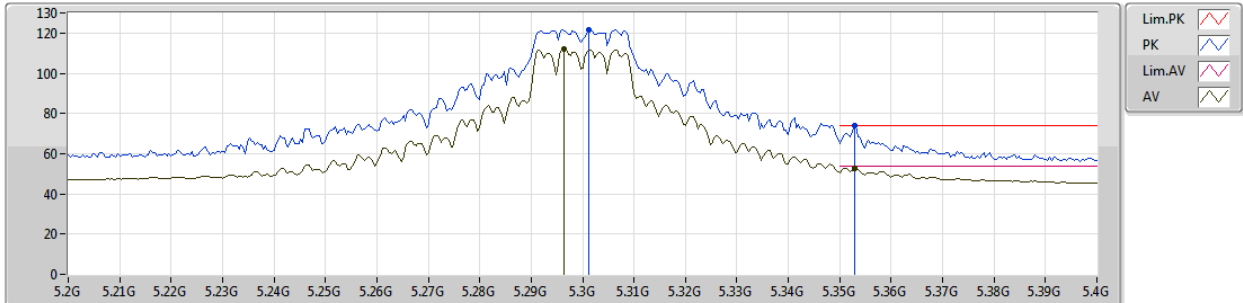
EUT Y_4TX
Setting 100
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.292G	122.76	Inf	-Inf	5.37	3	Vertical	195	1.88	-
AV	5.3024G	112.70	Inf	-Inf	5.42	3	Vertical	195	1.88	-
PK	5.352G	73.70	74.00	-0.30	5.60	3	Vertical	195	1.88	-
AV	5.352G	53.42	54.00	-0.58	5.60	3	Vertical	195	1.88	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5300MHz_TX



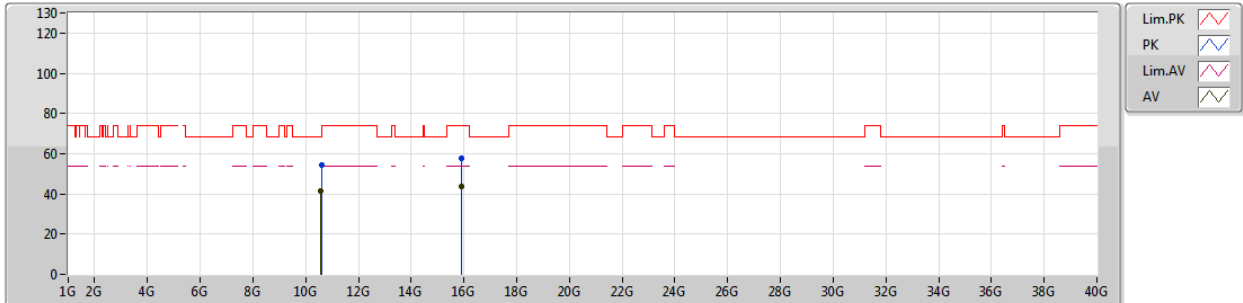
EUT Y_4TX
Setting 100
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3012G	121.47	Inf	-Inf	5.41	3	Horizontal	113	1.80	-
AV	5.2964G	112.09	Inf	-Inf	5.39	3	Horizontal	113	1.80	-
PK	5.3528G	73.85	74.00	-0.15	5.61	3	Horizontal	113	1.80	-
AV	5.3528G	52.67	54.00	-1.33	5.61	3	Horizontal	113	1.80	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5300MHz_TX



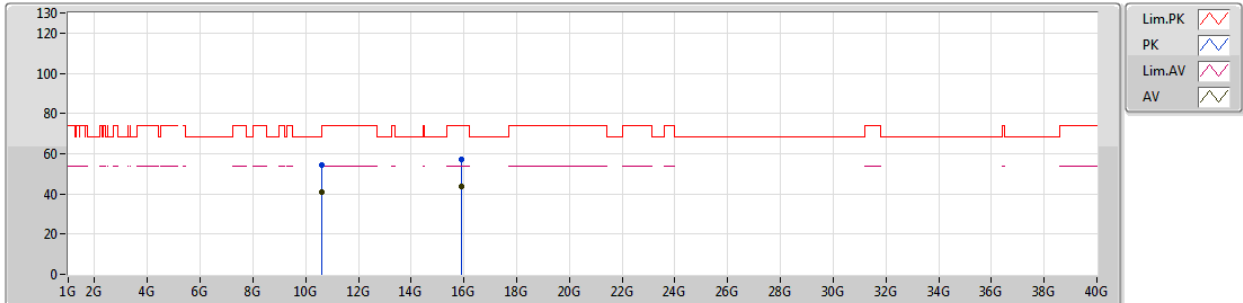
EUT Y_4TX
Setting 100
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.60336G	54.54	74.00	-19.46	12.90	3	Vertical	71	2.23	-
AV	10.58848G	41.26	Inf	-Inf	12.88	3	Vertical	71	2.23	-
PK	15.89604G	57.45	74.00	-16.55	15.37	3	Vertical	175	2.30	-
AV	15.9081G	43.85	54.00	-10.15	15.35	3	Vertical	175	2.30	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5300MHz_TX



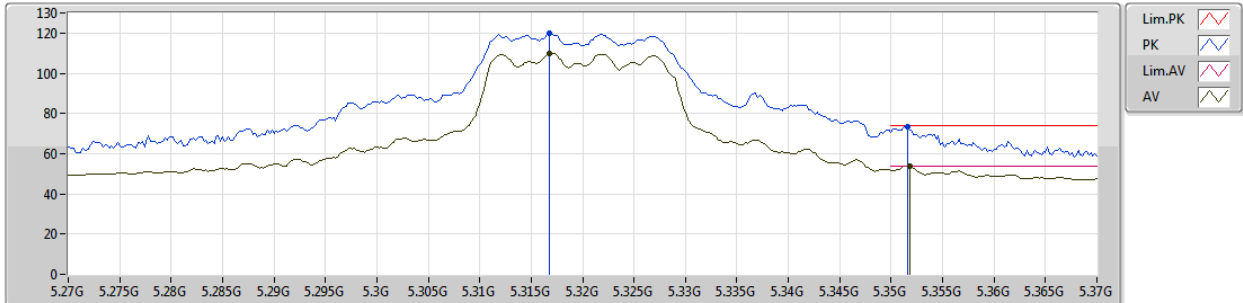
EUT_Y_4TX
Setting 100
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.59298G	54.15	68.20	-14.05	12.89	3	Horizontal	129	2.37	-
AV	10.61182G	41.15	54.00	-12.85	12.90	3	Horizontal	129	2.37	-
PK	15.90138G	57.22	74.00	-16.78	15.36	3	Horizontal	328	1.29	-
AV	15.91386G	43.77	54.00	-10.23	15.34	3	Horizontal	328	1.29	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5320MHz_TX



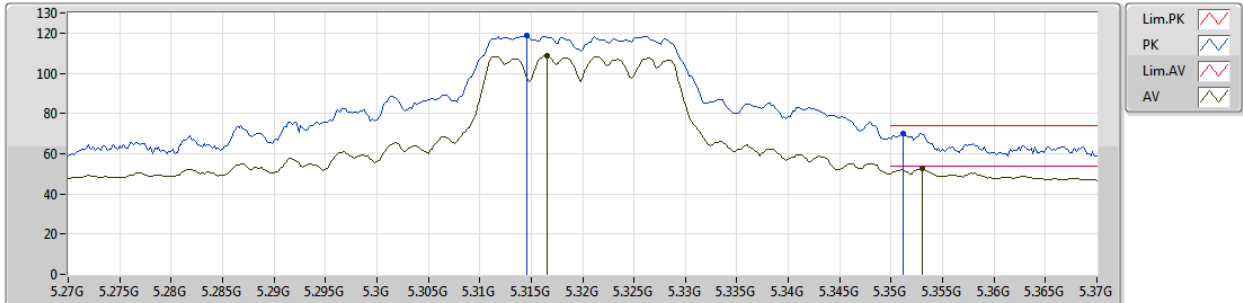
EUT Y_4TX
Setting 87
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3168G	119.91	Inf	-Inf	5.47	3	Vertical	198	1.97	-
AV	5.3168G	109.77	Inf	-Inf	5.47	3	Vertical	198	1.97	-
PK	5.3516G	73.32	74.00	-0.68	5.60	3	Vertical	198	1.97	-
AV	5.3518G	53.92	54.00	-0.08	5.60	3	Vertical	198	1.97	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5320MHz_TX



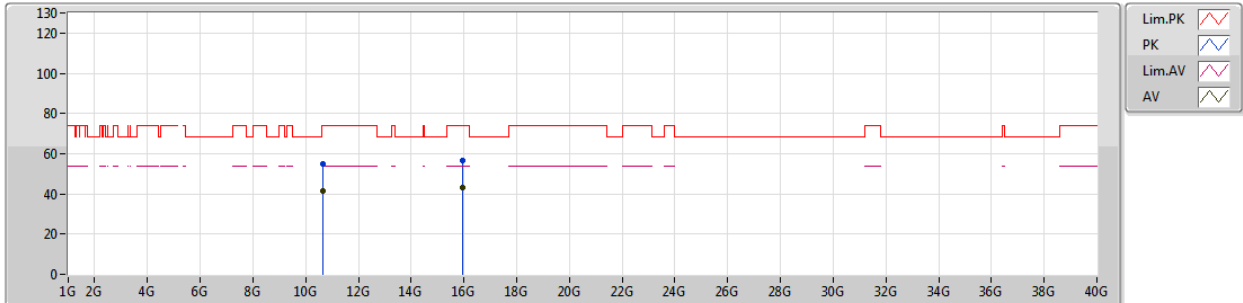
EUT Y_4TX
Setting 87
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.3146G	118.66	Inf	-Inf	5.47	3	Horizontal	115	1.77	-
AV	5.3166G	108.73	Inf	-Inf	5.47	3	Horizontal	115	1.77	-
PK	5.3512G	70.24	74.00	-3.76	5.60	3	Horizontal	115	1.77	-
AV	5.353G	52.46	54.00	-1.54	5.61	3	Horizontal	115	1.77	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5320MHz_TX



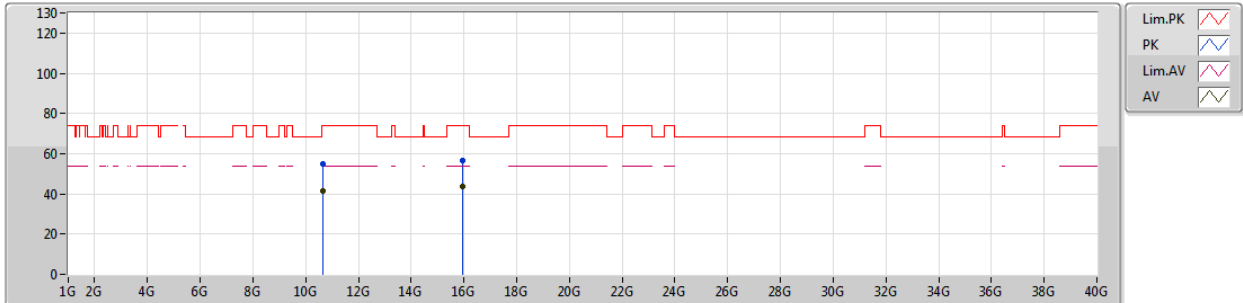
EUT Y_4TX
Setting 87
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.63502G	55.04	74.00	-18.96	12.93	3	Vertical	232	1.65	-
AV	10.64012G	41.43	54.00	-12.57	12.93	3	Vertical	232	1.65	-
PK	15.96768G	56.43	74.00	-17.57	15.25	3	Vertical	180	1.28	-
AV	15.94704G	43.32	54.00	-10.68	15.28	3	Vertical	180	1.28	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5320MHz_TX



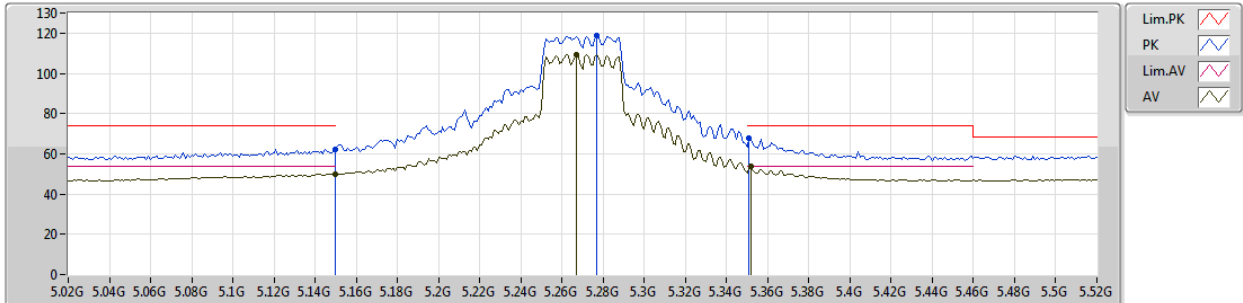
EUT Y_4TX
Setting 87
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	10.6472G	55.00	74.00	-19.00	12.94	3	Horizontal	123	1.77	-
AV	10.63454G	41.37	54.00	-12.63	12.93	3	Horizontal	123	1.77	-
PK	15.96234G	56.73	74.00	-17.27	15.26	3	Horizontal	212	1.76	-
AV	15.94698G	43.53	54.00	-10.47	15.28	3	Horizontal	212	1.76	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5270MHz_TX



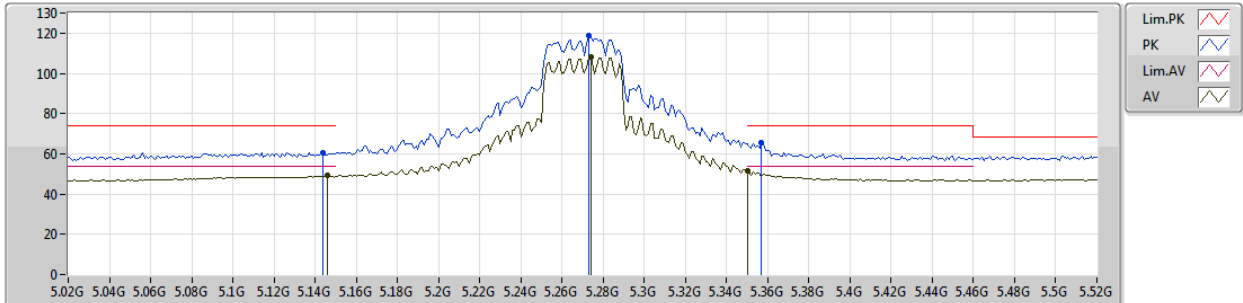
EUT Y_4TX
Setting 95
02-R-4-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.149995G	62.07	74.00	-11.93	8.54	3	Vertical	205	2.05	-
AV	5.149995G	50.06	54.00	-3.94	8.54	3	Vertical	205	2.05	-
PK	5.277G	118.67	Inf	-Inf	8.74	3	Vertical	205	2.05	-
AV	5.267G	109.39	Inf	-Inf	8.73	3	Vertical	205	2.05	-
PK	5.351G	67.71	74.00	-6.29	8.84	3	Vertical	205	2.05	-
AV	5.352G	53.83	54.00	-0.17	8.84	3	Vertical	205	2.05	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5270MHz_TX



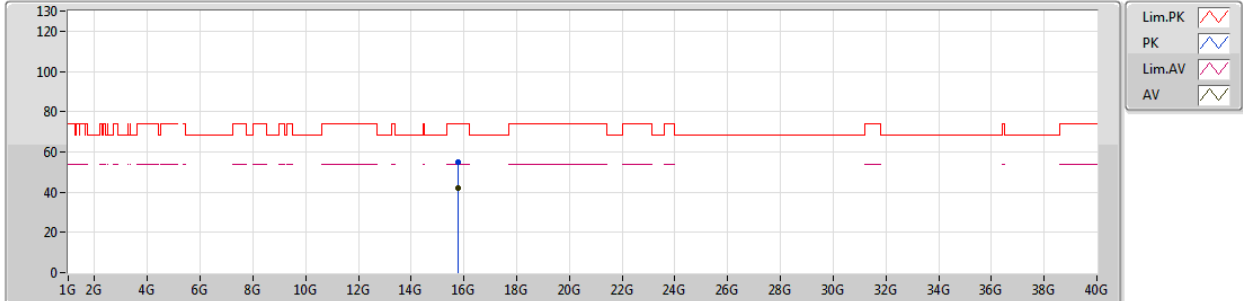
EUT Y_4TX
Setting 95
02-R-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.144G	60.71	74.00	-13.29	8.54	3	Horizontal	152	1.63	-
AV	5.146G	49.07	54.00	-4.93	8.54	3	Horizontal	152	1.63	-
PK	5.273G	118.57	Inf	-Inf	8.73	3	Horizontal	152	1.63	-
AV	5.274G	108.29	Inf	-Inf	8.74	3	Horizontal	152	1.63	-
PK	5.357G	65.39	74.00	-8.61	8.84	3	Horizontal	152	1.63	-
AV	5.350005G	51.50	54.00	-2.50	8.84	3	Horizontal	152	1.63	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5270MHz_TX



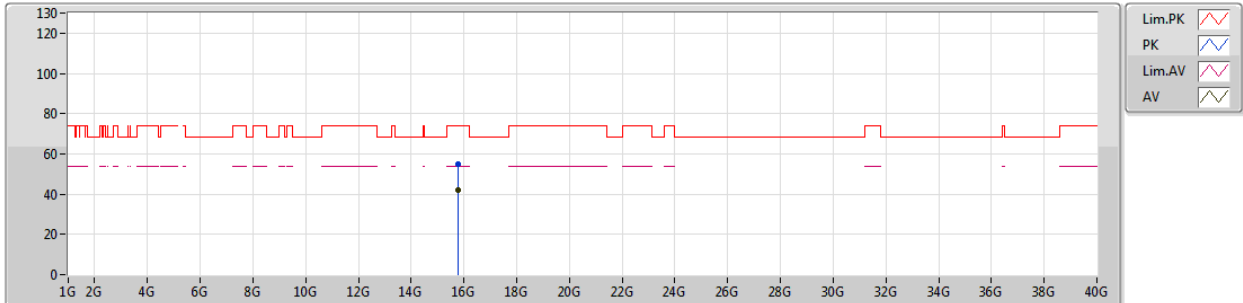
EUT Y_4TX
Setting 95
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7881G	55.02	74.00	-18.98	15.33	3	Vertical	182	1.60	-
AV	15.7902G	42.29	54.00	-11.71	15.32	3	Vertical	182	1.60	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5270MHz_TX



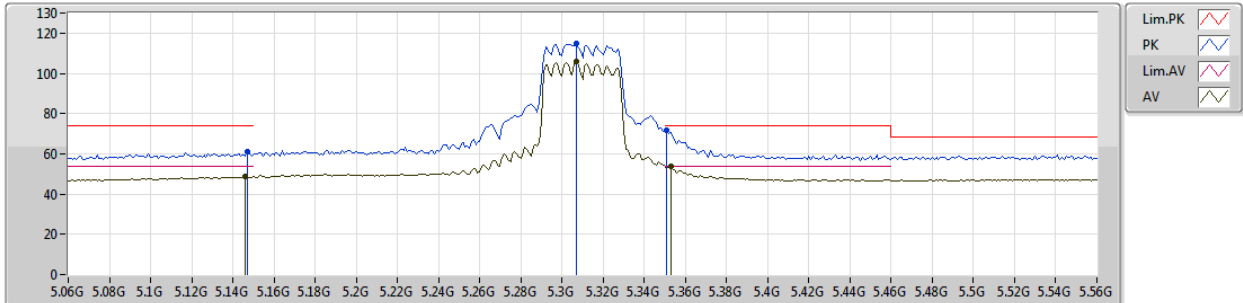
EUT Y_4TX
Setting 95
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7898G	54.90	74.00	-19.10	15.33	3	Horizontal	161	1.90	-
AV	15.787G	41.90	54.00	-12.10	15.33	3	Horizontal	161	1.90	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5310MHz_TX



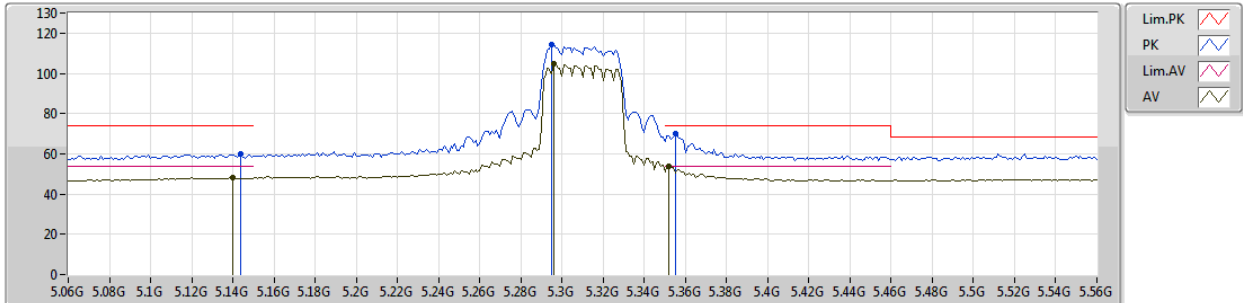
EUT Y_4TX
Setting 82
02-R-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.147G	60.88	74.00	-13.12	8.54	3	Vertical	198	2.53	-
AV	5.146G	48.53	54.00	-5.47	8.54	3	Vertical	198	2.53	-
PK	5.307G	114.71	Inf	-Inf	8.78	3	Vertical	198	2.53	-
AV	5.307G	105.69	Inf	-Inf	8.78	3	Vertical	198	2.53	-
PK	5.351G	71.91	74.00	-2.09	8.84	3	Vertical	198	2.53	-
AV	5.353G	53.86	54.00	-0.14	8.84	3	Vertical	198	2.53	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5310MHz_TX



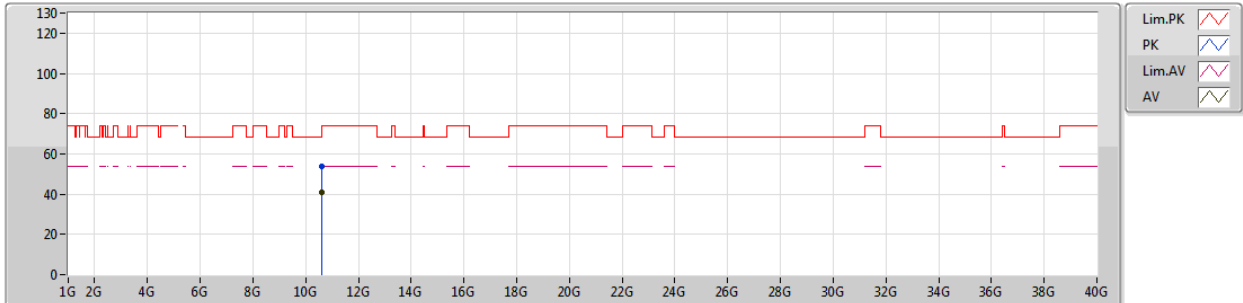
EUT Y_4TX
Setting 82
02-R-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.144G	60.04	74.00	-13.96	8.54	3	Horizontal	109	1.86	-
AV	5.14G	48.01	54.00	-5.99	8.53	3	Horizontal	109	1.86	-
PK	5.295G	114.07	Inf	-Inf	8.76	3	Horizontal	109	1.86	-
AV	5.296G	104.68	Inf	-Inf	8.76	3	Horizontal	109	1.86	-
PK	5.355G	69.80	74.00	-4.20	8.84	3	Horizontal	109	1.86	-
AV	5.352G	53.93	54.00	-0.07	8.84	3	Horizontal	109	1.86	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5310MHz_TX



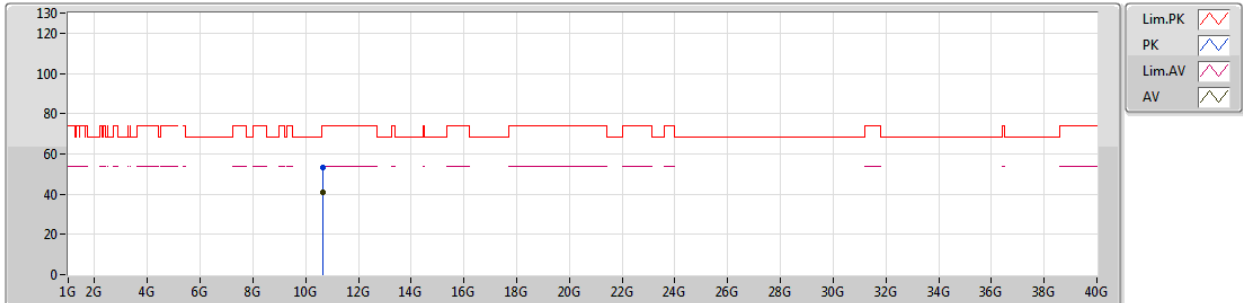
EUT Y_4TX
Setting 82
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.6132G	53.98	74.00	-20.02	14.33	3	Vertical	113	1.22	-
AV	10.6051G	40.92	54.00	-13.08	14.33	3	Vertical	113	1.22	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5310MHz_TX



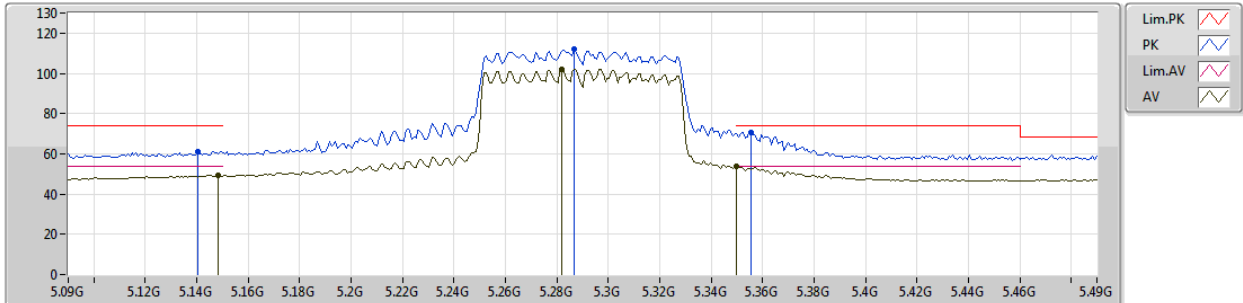
EUT Y_4TX
Setting 82
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.6356G	53.47	74.00	-20.53	14.31	3	Horizontal	123	1.96	-
AV	10.6369G	40.85	54.00	-13.15	14.31	3	Horizontal	123	1.96	-

802.11ac VHT80_Nss1,(MCS0)_4TX

03/12/2018

5290MHz_TX



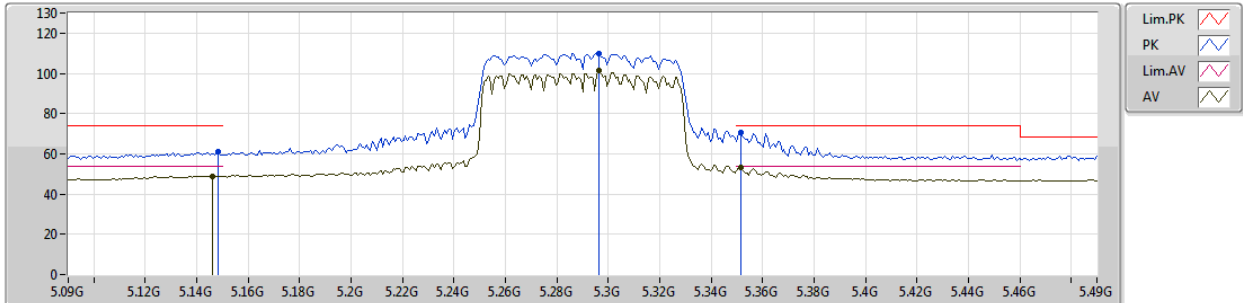
EUT Y_4TX
Setting 76
02-L-3-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1404G	61.27	74.00	-12.73	8.54	3	Vertical	199	1.86	-
AV	5.1484G	49.19	54.00	-4.81	8.55	3	Vertical	199	1.86	-
PK	5.2868G	112.01	Inf	-Inf	8.75	3	Vertical	199	1.86	-
AV	5.282G	102.02	Inf	-Inf	8.75	3	Vertical	199	1.86	-
PK	5.3556G	70.60	74.00	-3.40	8.84	3	Vertical	199	1.86	-
AV	5.350005G	53.79	54.00	-0.21	8.83	3	Vertical	199	1.86	-

802.11ac VHT80_Nss1,(MCS0)_4TX

03/12/2018

5290MHz_TX



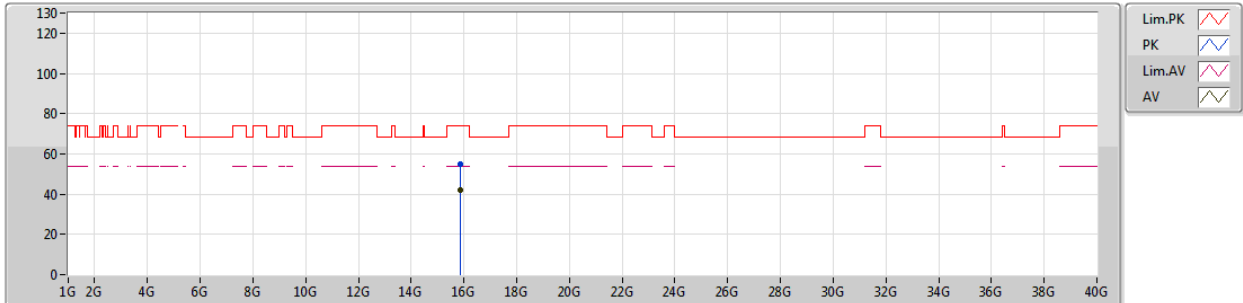
EUT Y_4TX
Setting 76
02-L-3-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.1484G	60.85	74.00	-13.15	8.55	3	Horizontal	104	1.86	-
AV	5.146G	48.99	54.00	-5.01	8.55	3	Horizontal	104	1.86	-
PK	5.2964G	110.03	Inf	-Inf	8.77	3	Horizontal	104	1.86	-
AV	5.2964G	101.25	Inf	-Inf	8.77	3	Horizontal	104	1.86	-
PK	5.3516G	70.61	74.00	-3.39	8.83	3	Horizontal	104	1.86	-
AV	5.3516G	53.39	54.00	-0.61	8.83	3	Horizontal	104	1.86	-

802.11ac VHT80_Nss1,(MCS0)_4TX

03/12/2018

5290MHz_TX



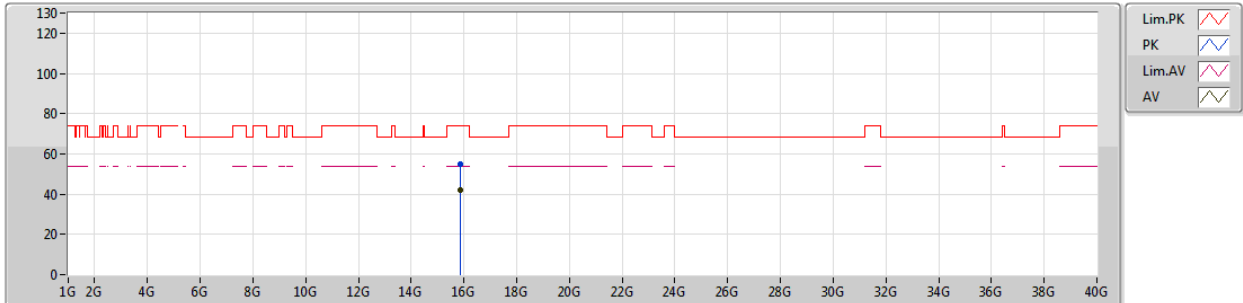
EUT Y_4TX
Setting 76
02-L-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.87466G	54.76	74.00	-19.24	15.11	3	Vertical	2	1.50	-
AV	15.86778G	42.09	54.00	-11.91	15.13	3	Vertical	2	1.50	-

802.11ac VHT80_Nss1,(MCS0)_4TX

03/12/2018

5290MHz_TX



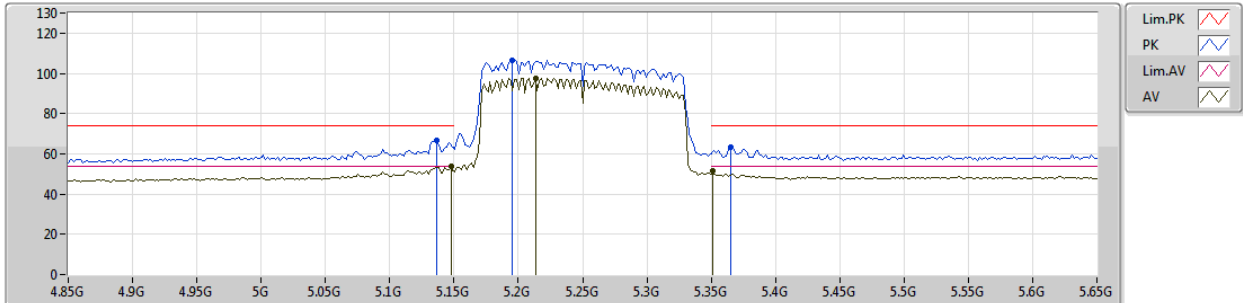
EUT Y_4TX
Setting 76
02-L-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.86646G	54.85	74.00	-19.15	15.13	3	Horizontal	307	1.41	-
AV	15.87218G	42.07	54.00	-11.93	15.12	3	Horizontal	307	1.41	-

802.11ac VHT160_Nss1,(MCS0)_4TX

03/12/2018

5250MHz Straddle 5.25-5.35GHz_TX



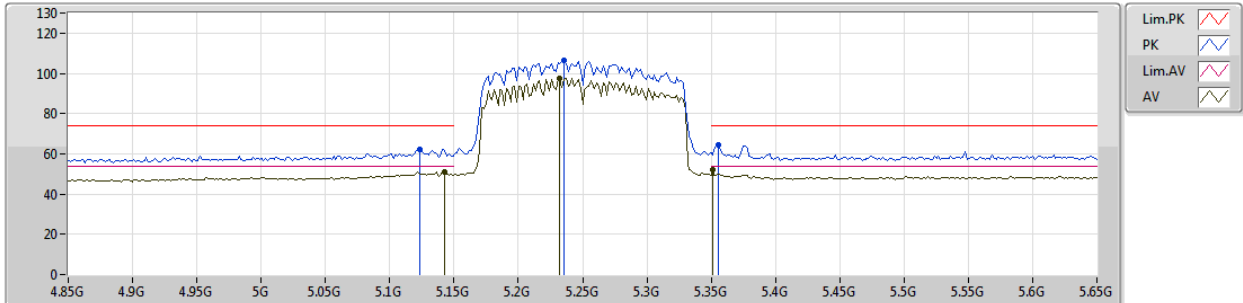
EUT Y_4TX
Setting 57
02-L-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1364G	66.46	74.00	-7.54	8.53	3	Vertical	190	2.18	-
AV	5.1476G	53.76	54.00	-0.24	8.54	3	Vertical	190	2.18	-
PK	5.1956G	106.57	Inf	-Inf	8.63	3	Vertical	190	2.18	-
AV	5.2132G	97.71	Inf	-Inf	8.66	3	Vertical	190	2.18	-
PK	5.3652G	63.46	74.00	-10.54	8.85	3	Vertical	190	2.18	-
AV	5.3508G	51.44	54.00	-2.56	8.84	3	Vertical	190	2.18	-

802.11ac VHT160_Nss1,(MCS0)_4TX

03/12/2018

5250MHz Straddle 5.25-5.35GHz_TX



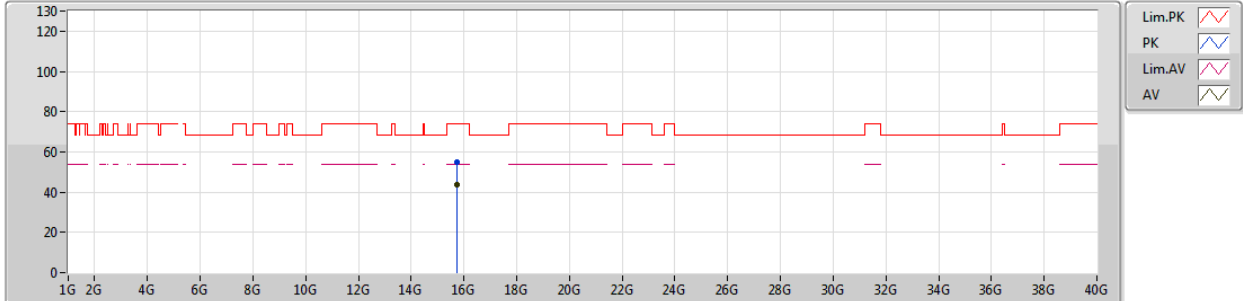
EUT Y_4TX
Setting 57
02-L-3-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.1236G	62.44	74.00	-11.56	8.51	3	Horizontal	111	2.99	-
AV	5.1428G	51.21	54.00	-2.79	8.54	3	Horizontal	111	2.99	-
PK	5.2356G	106.35	Inf	-Inf	8.69	3	Horizontal	111	2.99	-
AV	5.2324G	97.48	Inf	-Inf	8.68	3	Horizontal	111	2.99	-
PK	5.3556G	64.22	74.00	-9.78	8.84	3	Horizontal	111	2.99	-
AV	5.3508G	52.39	54.00	-1.61	8.84	3	Horizontal	111	2.99	-

802.11ac VHT160_Nss1,(MCS0)_4TX

03/12/2018

5250MHz Straddle 5.25-5.35GHz_TX



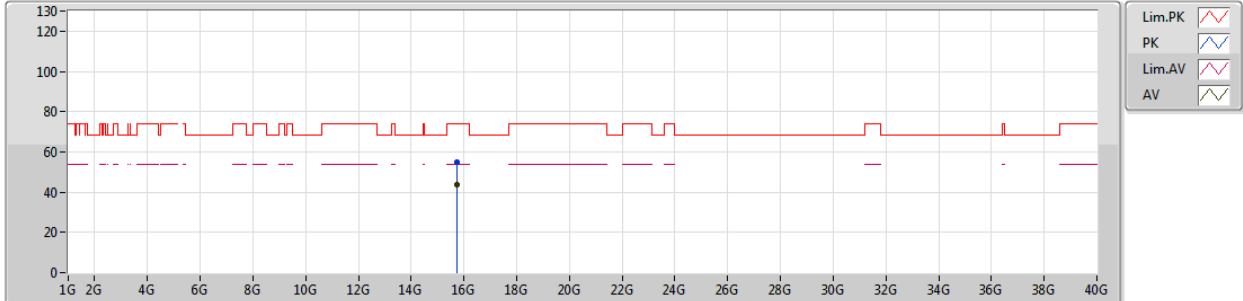
EUT Y_4TX
Setting 57
02-L-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.75446G	54.69	74.00	-19.31	15.41	3	Vertical	133	1.43	-
AV	15.75356G	43.90	54.00	-10.10	15.42	3	Vertical	133	1.43	-

802.11ac VHT160_Nss1,(MCS0)_4TX

03/12/2018

5250MHz Straddle 5.25-5.35GHz_TX



EUT Y_4TX
Setting 57
02-L-3
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	15.7455G	54.90	74.00	-19.10	15.44	3	Horizontal	60	1.50	-
AV	15.74528G	43.69	54.00	-10.31	15.44	3	Horizontal	60	1.50	-

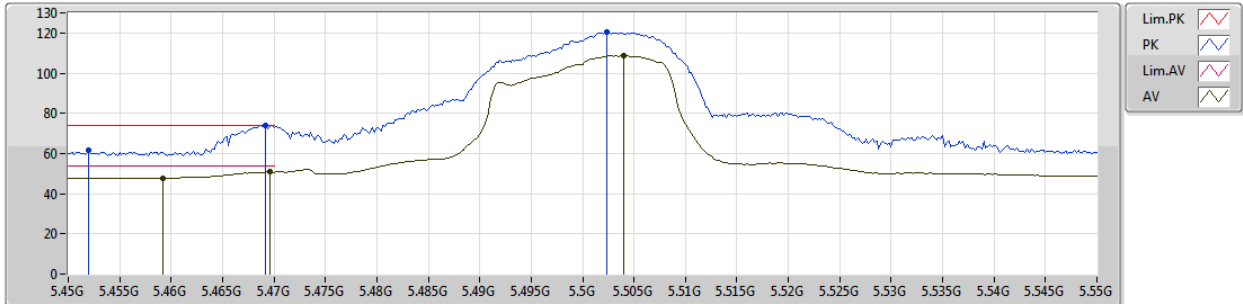
**For 802.11a/ac, 5GHz Band 3:****Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_4TX	Pass	AV	5.4684G	53.98	54.00	-0.02	5.93	3	Vertical	11	1.37	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5500MHz_TX



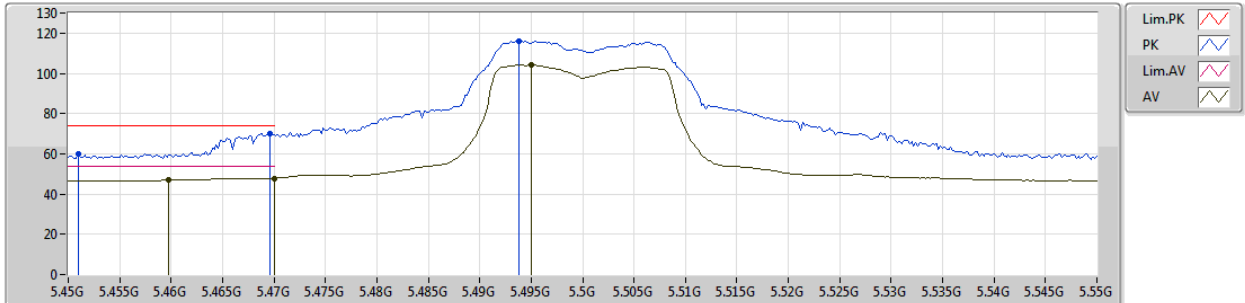
EUT Y_4TX
Setting 80
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.452G	61.63	74.00	-12.37	5.90	3	Vertical	12	1.26	-
AV	5.4592G	47.87	54.00	-6.13	5.91	3	Vertical	12	1.26	-
PK	5.4692G	73.97	74.00	-0.03	5.94	3	Vertical	12	1.26	-
AV	5.4696G	50.78	54.00	-3.22	5.94	3	Vertical	12	1.26	-
PK	5.5024G	120.51	Inf	-Inf	6.01	3	Vertical	12	1.26	-
AV	5.504G	108.67	Inf	-Inf	6.01	3	Vertical	12	1.26	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5500MHz_TX



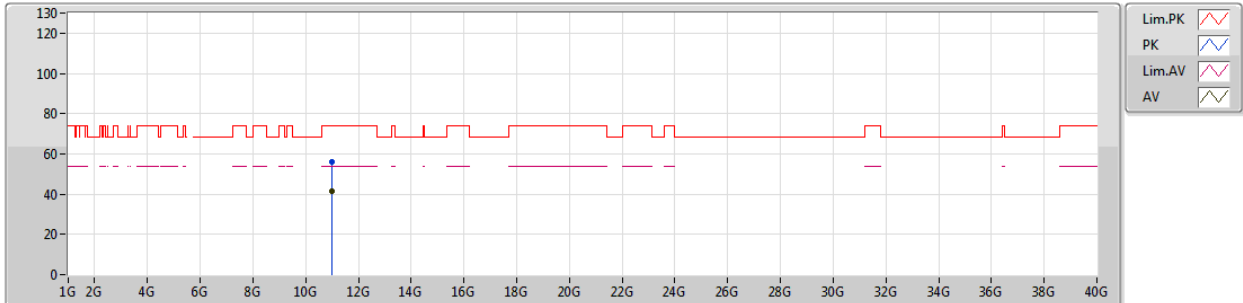
EUT Y_4TX
Setting 80
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.451G	59.97	74.00	-14.03	5.90	3	Horizontal	284	1.37	-
AV	5.4598G	46.85	54.00	-7.15	5.92	3	Horizontal	284	1.37	-
PK	5.4696G	70.10	74.00	-3.90	5.94	3	Horizontal	284	1.37	-
AV	5.469995G	47.90	54.00	-6.10	5.94	3	Horizontal	284	1.37	-
PK	5.4938G	115.98	Inf	-Inf	5.99	3	Horizontal	284	1.37	-
AV	5.495G	104.27	Inf	-Inf	5.99	3	Horizontal	284	1.37	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5500MHz_TX



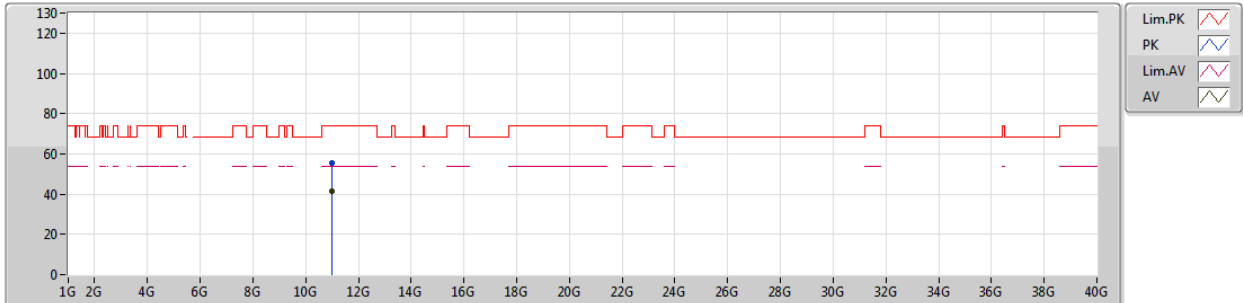
EUT Y_4TX
Setting 80
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.99748G	56.26	74.00	-17.74	13.28	3	Vertical	345	2.99	-
AV	10.99538G	41.21	54.00	-12.79	13.28	3	Vertical	345	2.99	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5500MHz_TX



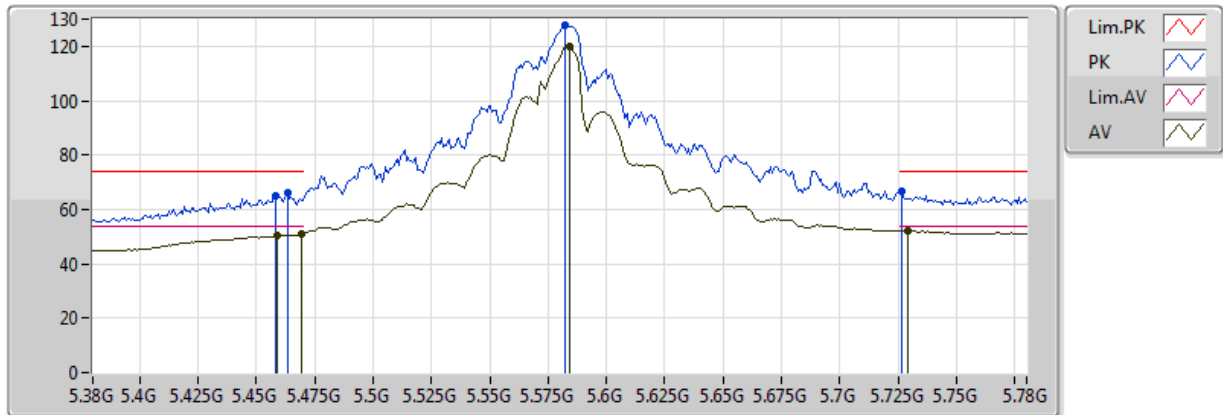
EUT Y_4TX
Setting 80
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.00462G	55.33	74.00	-18.67	13.28	3	Horizontal	55	2.43	-
AV	10.99952G	41.29	54.00	-12.71	13.28	3	Horizontal	55	2.43	-

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

24/07/2018



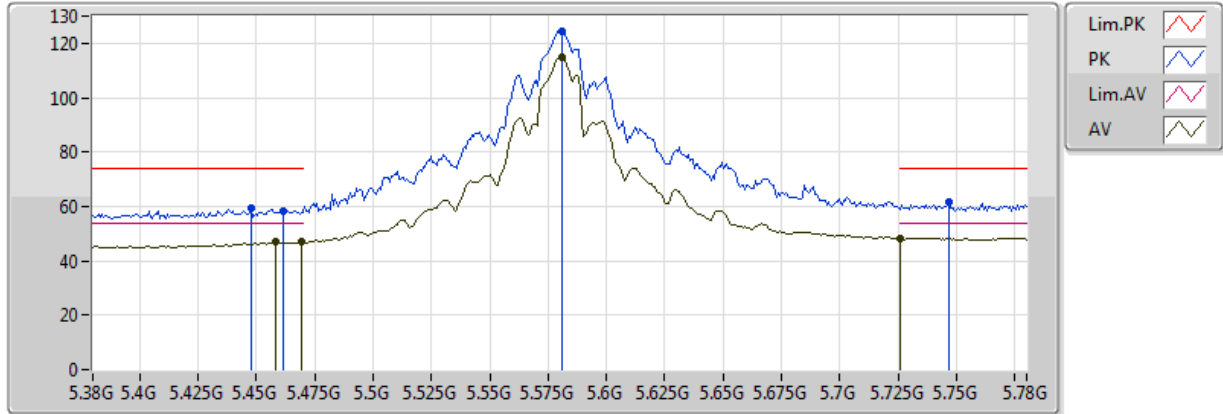
EUT Y_4TX
Setting 120
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4584G	65.15	74.00	-8.85	5.91	3	Vertical	294	2.47	-
AV	5.4592G	50.46	54.00	-3.54	5.91	3	Vertical	294	2.47	-
PK	5.4632G	66.37	74.00	-7.63	5.92	3	Vertical	294	2.47	-
AV	5.4696G	51.03	54.00	-2.97	5.93	3	Vertical	294	2.47	-
PK	5.5824G	127.75	Inf	-Inf	6.22	3	Vertical	294	2.47	-
AV	5.584G	119.80	Inf	-Inf	6.23	3	Vertical	294	2.47	-
PK	5.7264G	66.66	74.00	-7.34	6.79	3	Vertical	294	2.47	-
AV	5.7288G	52.22	54.00	-1.78	6.80	3	Vertical	294	2.47	-

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

24/07/2018



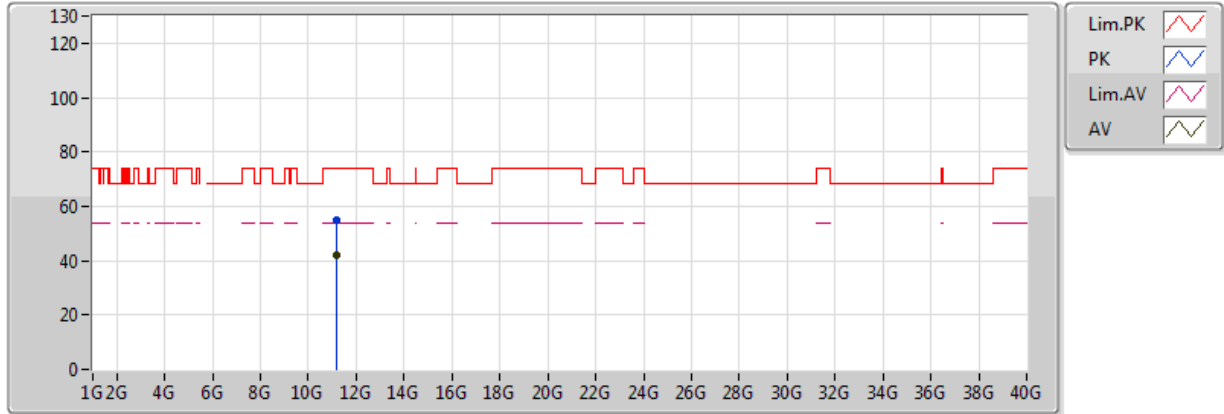
EUT Y_4TX
Setting 120
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.448G	59.25	74.00	-14.75	5.89	3	Horizontal	328	1.79	-
AV	5.4584G	46.86	54.00	-7.14	5.91	3	Horizontal	328	1.79	-
PK	5.4616G	58.36	74.00	-15.64	5.92	3	Horizontal	328	1.79	-
AV	5.4696G	46.80	54.00	-7.20	5.93	3	Horizontal	328	1.79	-
PK	5.5808G	124.59	Inf	-Inf	6.22	3	Horizontal	328	1.79	-
AV	5.5808G	115.09	Inf	-Inf	6.22	3	Horizontal	328	1.79	-
PK	5.7464G	61.83	74.00	-12.17	6.88	3	Horizontal	328	1.79	-
AV	5.7256G	48.42	54.00	-5.58	6.79	3	Horizontal	328	1.79	-

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

24/07/2018



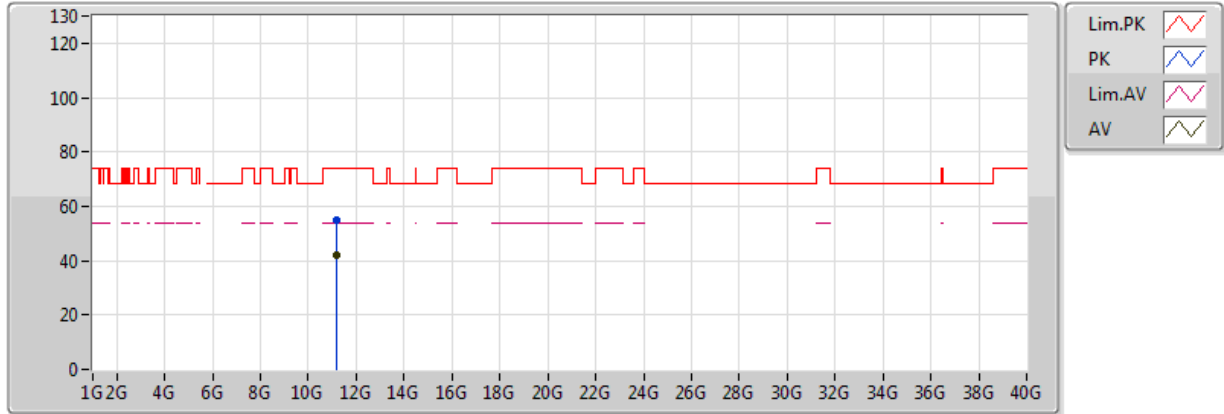
EUT Y_4TX
Setting 120
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.15652G	55.09	74.00	-18.91	13.29	3	Vertical	330	2.00	-
AV	11.15604G	41.86	54.00	-12.14	13.29	3	Vertical	330	2.00	-

802.11a_Nss1,(6Mbps)_4TX

5580MHz_TX

24/07/2018



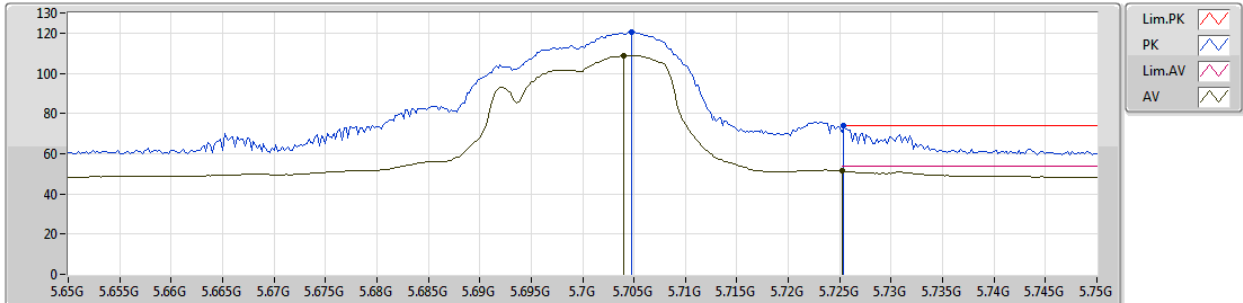
EUT Y_4TX
Setting 120
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.15394G	55.15	74.00	-18.85	13.29	3	Horizontal	356	1.44	-
AV	11.15562G	41.95	54.00	-12.05	13.29	3	Horizontal	356	1.44	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5700MHz_TX



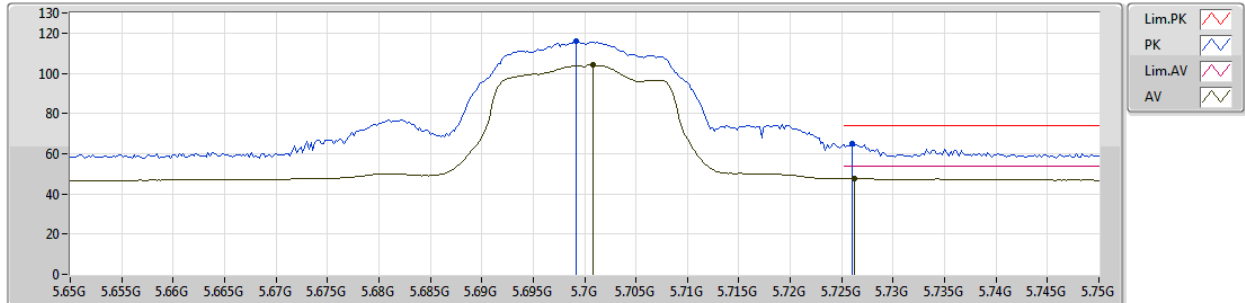
EUT Y_4TX
Setting 80
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7048G	120.42	Inf	-Inf	6.70	3	Vertical	21	1.28	-
AV	5.704G	108.85	Inf	-Inf	6.70	3	Vertical	21	1.28	-
PK	5.7254G	73.69	74.00	-0.31	6.79	3	Vertical	21	1.28	-
AV	5.7252G	51.30	54.00	-2.70	6.79	3	Vertical	21	1.28	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5700MHz_TX



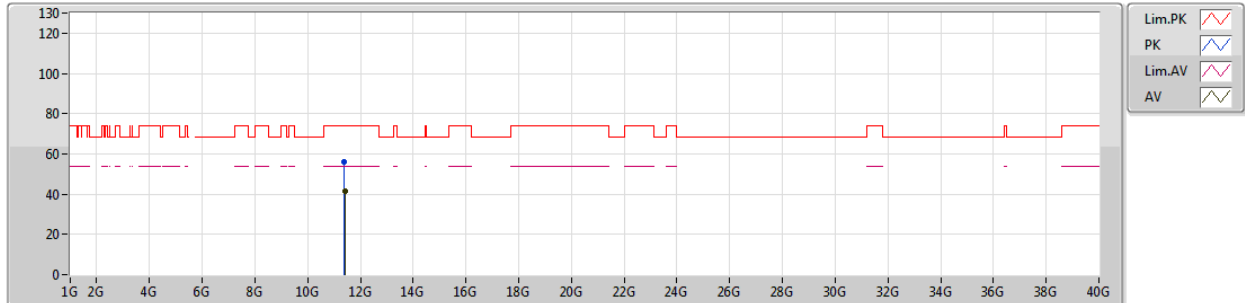
EUT Y_4TX
Setting 80
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6992G	115.91	Inf	-Inf	6.68	3	Horizontal	98	1.38	-
AV	5.7008G	104.17	Inf	-Inf	6.68	3	Horizontal	98	1.38	-
PK	5.726G	64.92	74.00	-9.08	6.79	3	Horizontal	98	1.38	-
AV	5.7262G	47.69	54.00	-6.31	6.79	3	Horizontal	98	1.38	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5700MHz_TX



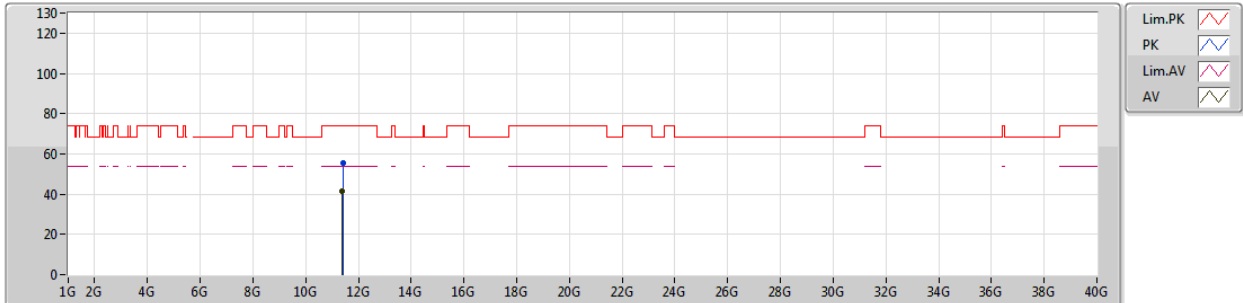
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Setting 80
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.39904G	56.11	74.00	-17.89	13.32	3	Vertical	250	1.50	-
AV	11.4147G	41.33	54.00	-12.67	13.32	3	Vertical	250	1.50	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5700MHz_TX



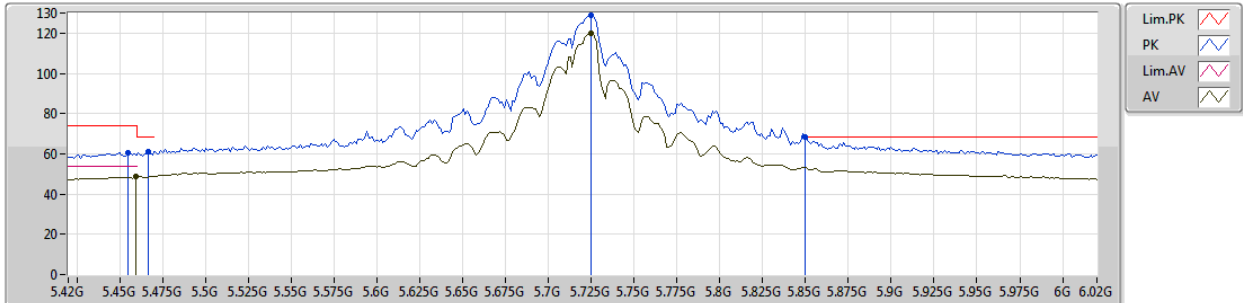
EUT Y_4TX
Setting 80
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.40828G	55.73	74.00	-18.27	13.32	3	Horizontal	140	2.33	-
AV	11.3874G	41.30	54.00	-12.70	13.31	3	Horizontal	140	2.33	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



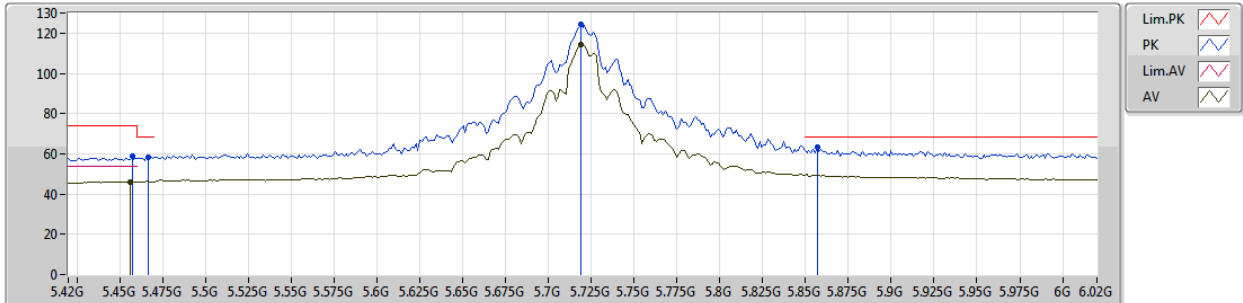
EUT Y_4TX
Setting 114
01-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4548G	60.61	74.00	-13.39	5.91	3	Vertical	19	1.33	-
AV	5.4596G	48.47	54.00	-5.53	5.92	3	Vertical	19	1.33	-
PK	5.4668G	61.13	68.20	-7.07	5.93	3	Vertical	19	1.33	-
PK	5.7248G	128.65	Inf	-Inf	6.78	3	Vertical	19	1.33	-
AV	5.7248G	120.19	Inf	-Inf	6.78	3	Vertical	19	1.33	-
PK	5.850006G	68.15	68.20	-0.05	7.20	3	Vertical	19	1.33	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



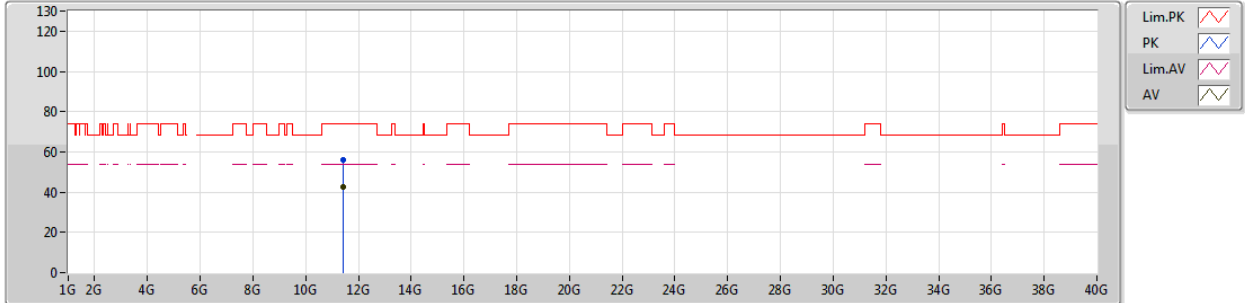
EUT Y_4TX
Setting 114
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4572G	58.71	74.00	-15.29	5.91	3	Horizontal	104	1.41	-
AV	5.456G	46.22	54.00	-7.78	5.91	3	Horizontal	104	1.41	-
PK	5.4668G	58.38	68.20	-9.82	5.93	3	Horizontal	104	1.41	-
PK	5.7188G	124.66	Inf	-Inf	6.76	3	Horizontal	104	1.41	-
AV	5.7188G	114.11	Inf	-Inf	6.76	3	Horizontal	104	1.41	-
PK	5.8568G	63.42	68.20	-4.78	7.21	3	Horizontal	104	1.41	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



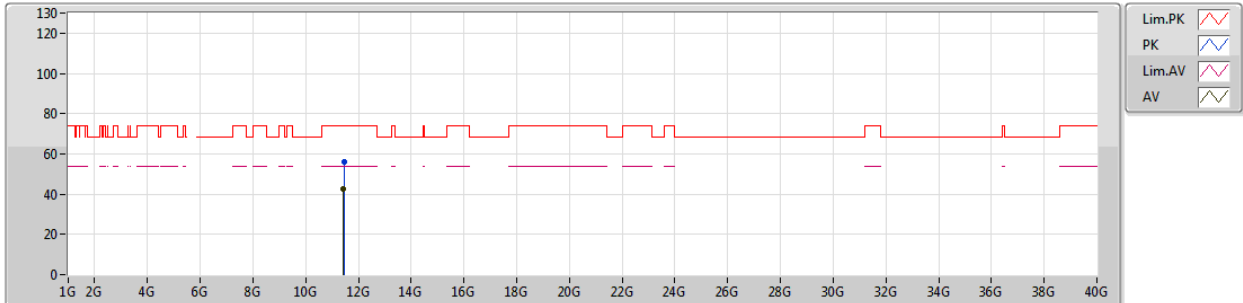
EUT Y_4TX
Setting 114
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.43682G	55.78	74.00	-18.22	13.32	3	Vertical	177	1.50	-
AV	11.44336G	42.47	54.00	-11.53	13.32	3	Vertical	177	1.50	-

802.11a_Nss1,(6Mbps)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



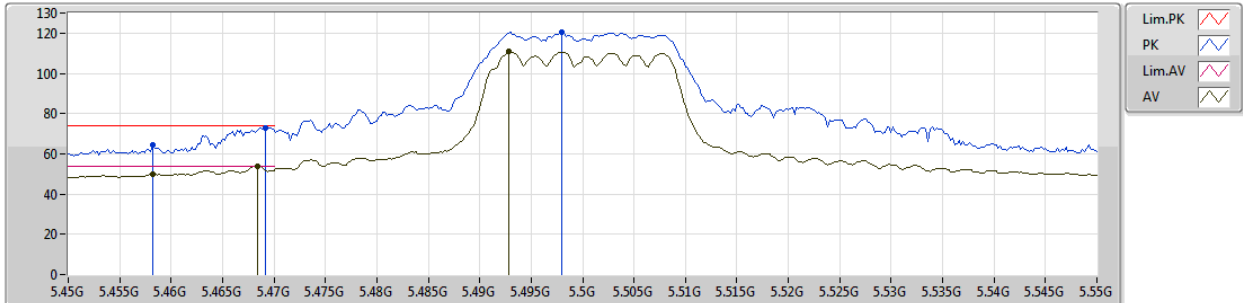
EUT_Y_4TX
Setting 114
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.44642G	55.82	74.00	-18.18	13.32	3	Horizontal	144	1.31	-
AV	11.4421G	42.46	54.00	-11.54	13.32	3	Horizontal	144	1.31	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5500MHz_TX



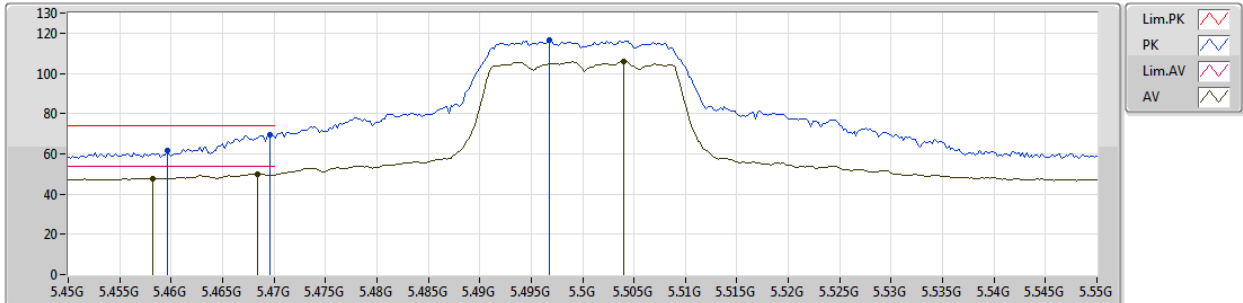
EUT Y_4TX
Setting 83
01-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4582G	64.24	74.00	-9.76	5.91	3	Vertical	11	1.37	-
AV	5.4582G	49.96	54.00	-4.04	5.91	3	Vertical	11	1.37	-
PK	5.4692G	72.97	74.00	-1.03	5.93	3	Vertical	11	1.37	-
AV	5.4684G	53.98	54.00	-0.02	5.93	3	Vertical	11	1.37	-
PK	5.498G	120.34	Inf	-Inf	6.00	3	Vertical	11	1.37	-
AV	5.4928G	110.68	Inf	-Inf	5.98	3	Vertical	11	1.37	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5500MHz_TX



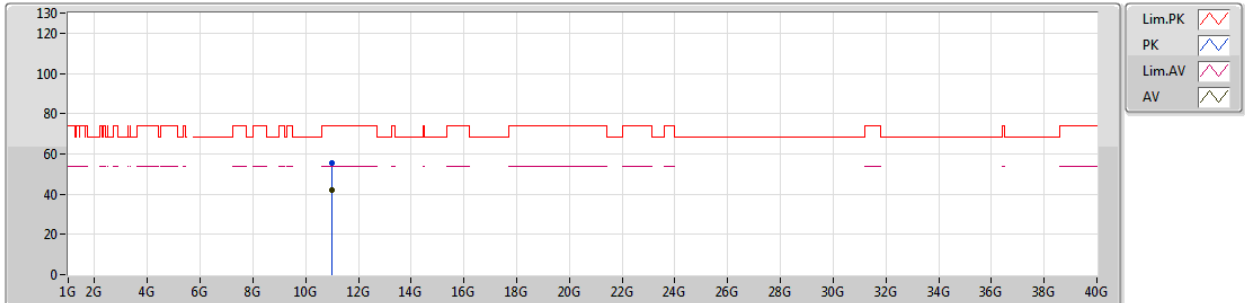
EUT Y_4TX
Setting 83
01-E-2-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4596G	61.39	74.00	-12.61	5.91	3	Horizontal	280	1.46	-
AV	5.4582G	47.85	54.00	-6.15	5.91	3	Horizontal	280	1.46	-
PK	5.4696G	69.67	74.00	-4.33	5.93	3	Horizontal	280	1.46	-
AV	5.4684G	50.13	54.00	-3.87	5.93	3	Horizontal	280	1.46	-
PK	5.4968G	116.40	Inf	-Inf	5.99	3	Horizontal	280	1.46	-
AV	5.504G	106.01	Inf	-Inf	6.01	3	Horizontal	280	1.46	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5500MHz_TX



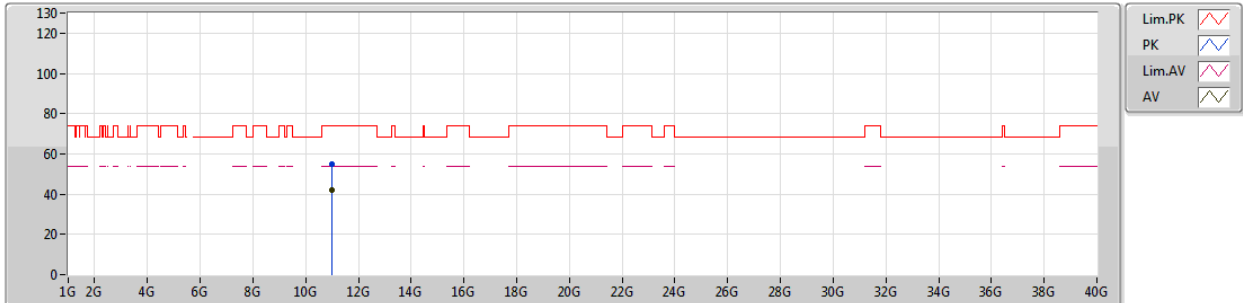
EUT Y_4TX
Setting 83
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.99106G	55.32	74.00	-18.68	13.27	3	Vertical	164	2.39	-
AV	10.99562G	41.76	54.00	-12.24	13.28	3	Vertical	164	2.39	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5500MHz_TX



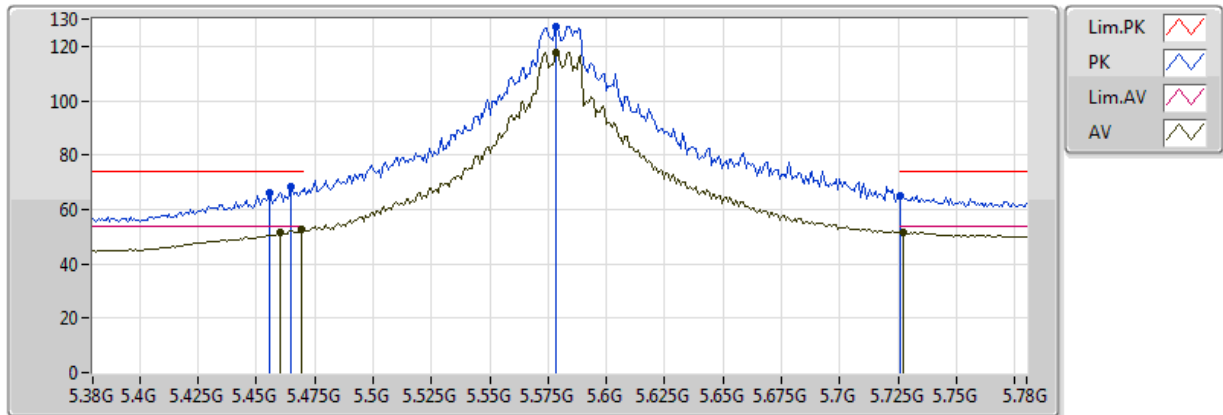
EUT Y_4TX
Setting 83
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	10.99622G	54.86	74.00	-19.14	13.28	3	Horizontal	305	1.56	-
AV	10.99562G	41.79	54.00	-12.21	13.28	3	Horizontal	305	1.56	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

24/07/2018



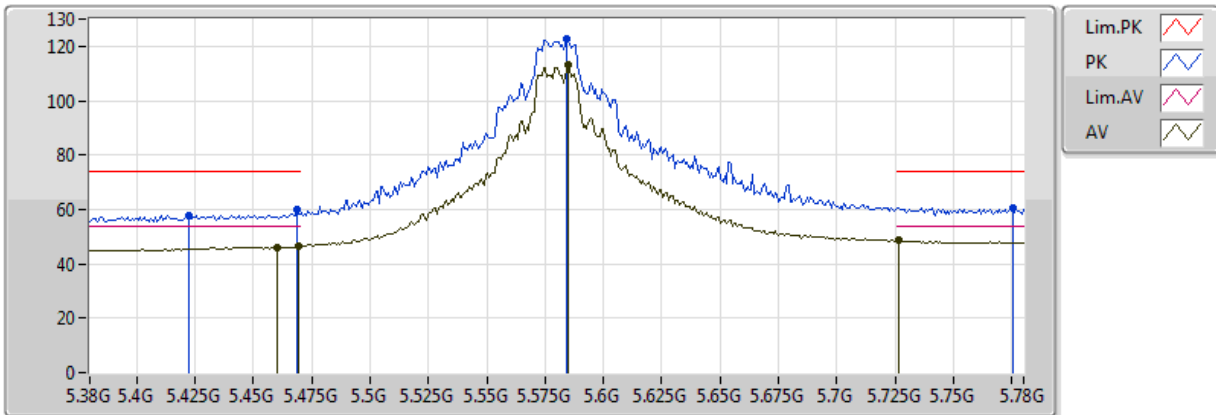
EUT Y_4TX
Setting 120
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.456G	66.36	74.00	-7.64	5.91	3	Vertical	244	1.50	-
AV	5.459995G	51.63	54.00	-2.37	5.91	3	Vertical	244	1.50	-
PK	5.4648G	68.28	74.00	-5.72	5.92	3	Vertical	244	1.50	-
AV	5.4696G	52.55	54.00	-1.45	5.93	3	Vertical	244	1.50	-
PK	5.5784G	127.26	Inf	-Inf	6.21	3	Vertical	244	1.50	-
AV	5.5784G	117.68	Inf	-Inf	6.21	3	Vertical	244	1.50	-
PK	5.7256G	65.25	74.00	-8.75	6.79	3	Vertical	244	1.50	-
AV	5.7272G	51.79	54.00	-2.21	6.80	3	Vertical	244	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

24/07/2018



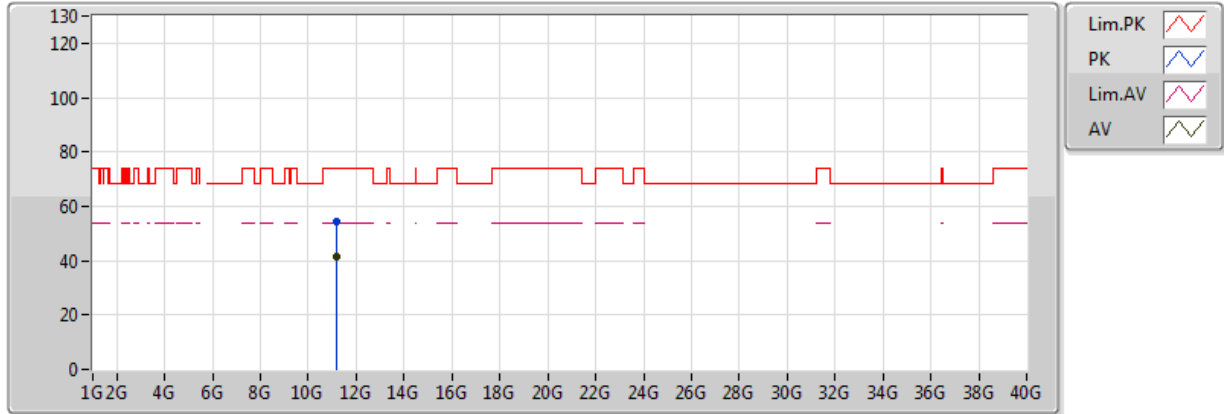
EUT Y_4TX
Setting 120
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4224G	57.96	74.00	-16.04	5.83	3	Horizontal	96	1.63	-
AV	5.459995G	46.01	54.00	-7.99	5.91	3	Horizontal	96	1.63	-
PK	5.4688G	59.81	74.00	-14.19	5.93	3	Horizontal	96	1.63	-
AV	5.4696G	46.29	54.00	-7.71	5.93	3	Horizontal	96	1.63	-
PK	5.584G	122.45	Inf	-Inf	6.23	3	Horizontal	96	1.63	-
AV	5.5848G	112.91	Inf	-Inf	6.23	3	Horizontal	96	1.63	-
PK	5.7752G	60.55	74.00	-13.45	6.99	3	Horizontal	96	1.63	-
AV	5.7264G	48.57	54.00	-5.43	6.79	3	Horizontal	96	1.63	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

24/07/2018



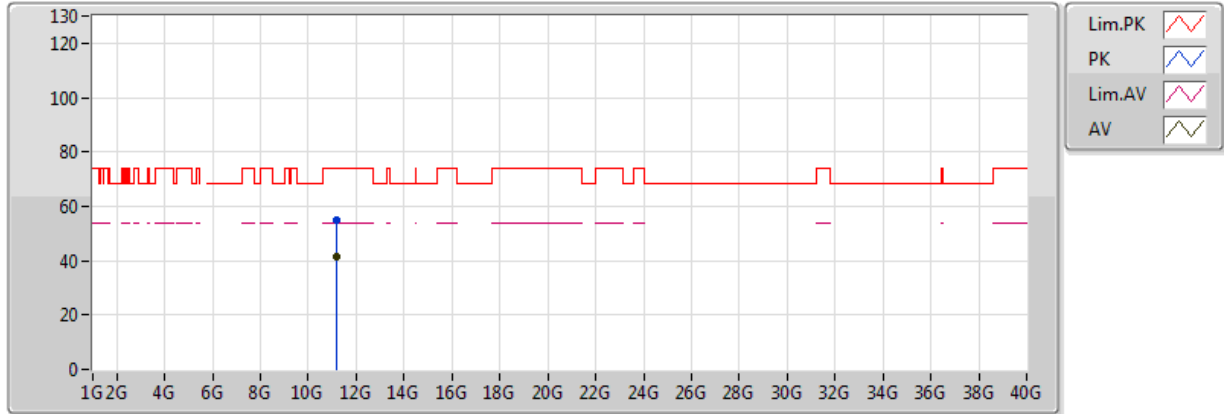
EUT Y_4TX
Setting 120
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.1747G	54.50	74.00	-19.50	13.30	3	Vertical	297	1.50	-
AV	11.17482G	41.30	54.00	-12.70	13.30	3	Vertical	297	1.50	-

802.11ac VHT20_Nss1,(MCS0)_4TX

5580MHz_TX

24/07/2018



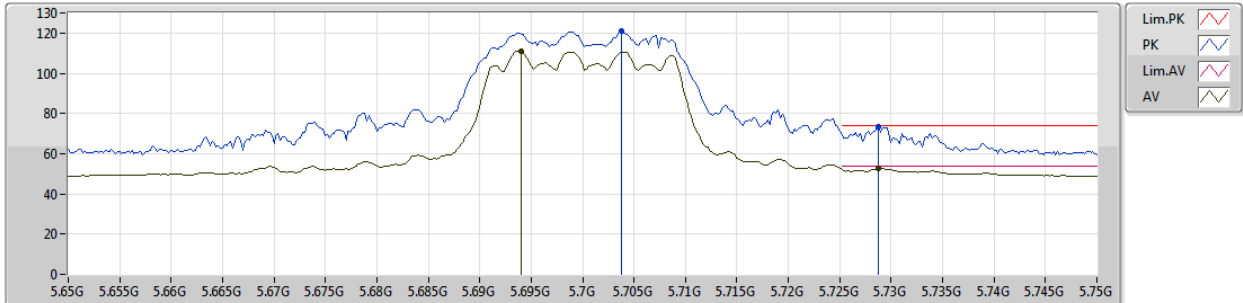
EUT Y_4TX
Setting 120
01-E-2
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	11.16168G	54.68	74.00	-19.32	13.29	3	Horizontal	283	1.43	-
AV	11.17392G	41.30	54.00	-12.70	13.30	3	Horizontal	283	1.43	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5700MHz_TX



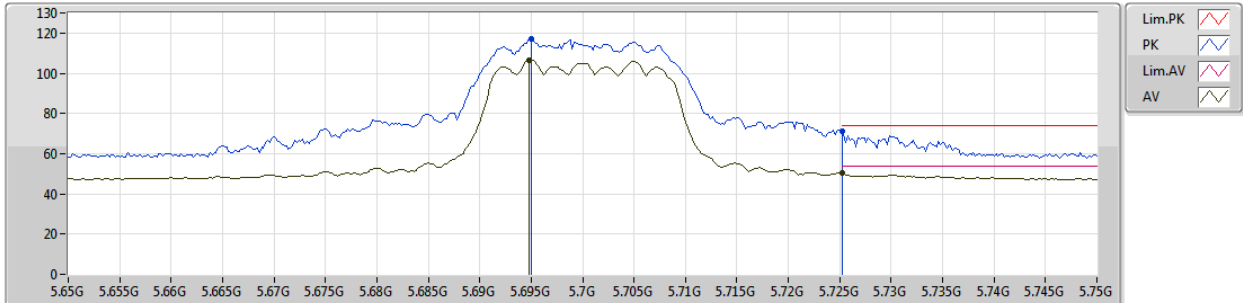
EUT Y_4TX
Setting 84
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.7038G	120.88	Inf	-Inf	6.70	3	Vertical	247	1.49	-
AV	5.694G	110.94	Inf	-Inf	6.66	3	Vertical	247	1.49	-
PK	5.7288G	73.67	74.00	-0.33	6.80	3	Vertical	247	1.49	-
AV	5.7288G	52.85	54.00	-1.15	6.80	3	Vertical	247	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5700MHz_TX



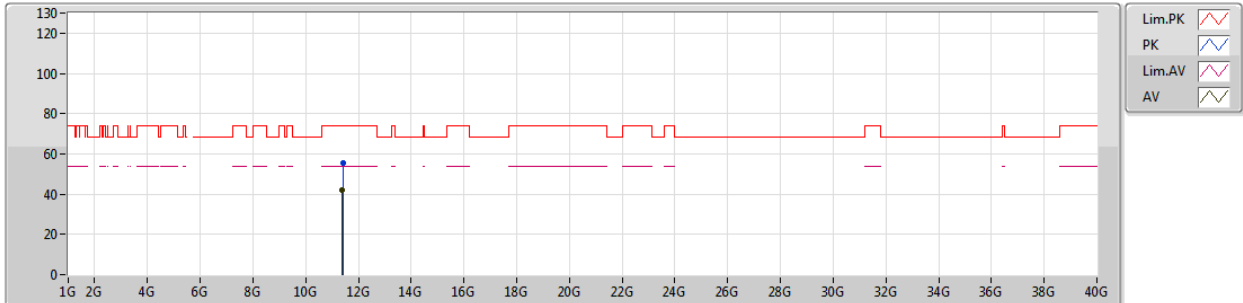
EUT Y_4TX
Setting 84
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.695G	117.11	Inf	-Inf	6.66	3	Horizontal	96	1.36	-
AV	5.6948G	106.33	Inf	-Inf	6.66	3	Horizontal	96	1.36	-
PK	5.7252G	71.05	74.00	-2.95	6.79	3	Horizontal	96	1.36	-
AV	5.7252G	50.16	54.00	-3.84	6.79	3	Horizontal	96	1.36	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5700MHz_TX



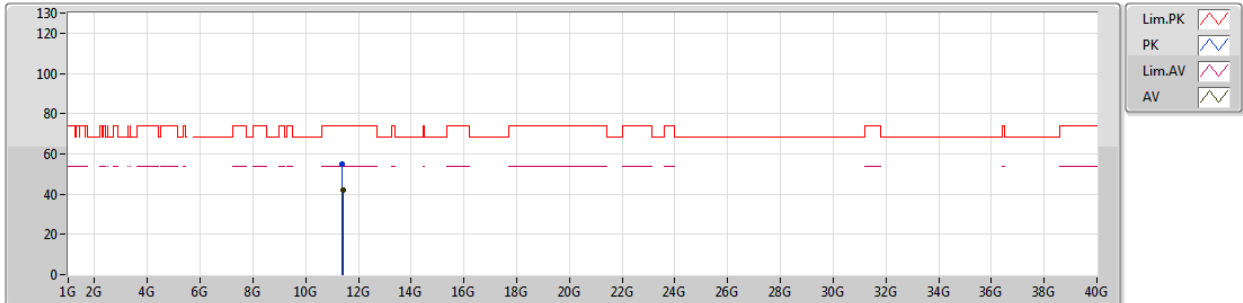
EUT Y_4TX
Setting 84
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.40228G	55.20	74.00	-18.80	13.32	3	Vertical	247	1.49	-
AV	11.39208G	41.88	54.00	-12.12	13.32	3	Vertical	247	1.49	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5700MHz_TX



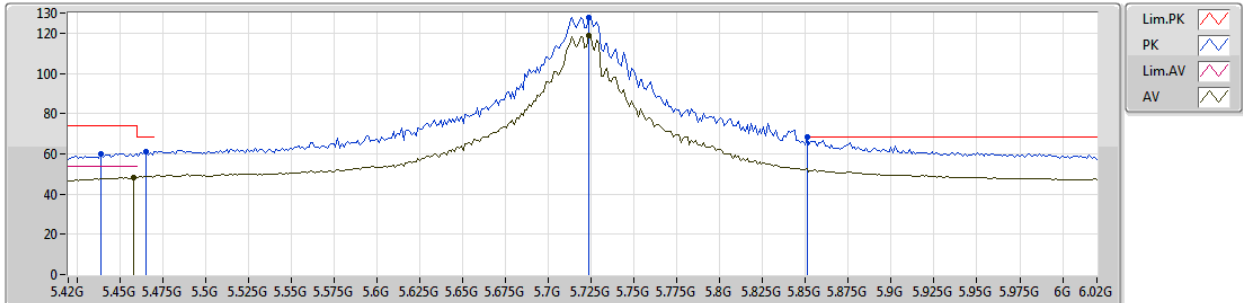
EUT Y_4TX
Setting 84
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.39058G	54.81	74.00	-19.19	13.32	3	Horizontal	294	2.14	-
AV	11.41242G	41.77	54.00	-12.23	13.32	3	Horizontal	294	2.14	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



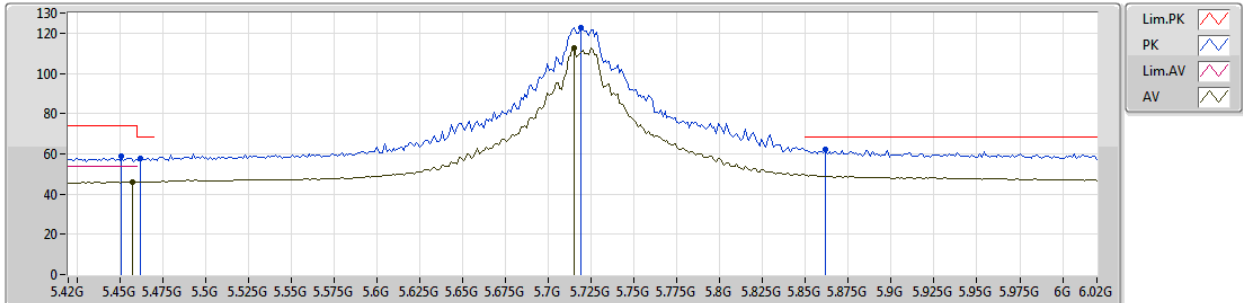
EUT Y_4TX
Setting 114
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4392G	60.22	74.00	-13.78	5.87	3	Vertical	247	1.36	-
AV	5.4584G	48.11	54.00	-5.89	5.91	3	Vertical	247	1.36	-
PK	5.4656G	61.07	68.20	-7.13	5.93	3	Vertical	247	1.36	-
PK	5.7236G	127.71	Inf	-Inf	6.78	3	Vertical	247	1.36	-
AV	5.7236G	118.59	Inf	-Inf	6.78	3	Vertical	247	1.36	-
PK	5.8508G	68.13	68.20	-0.07	7.20	3	Vertical	247	1.36	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



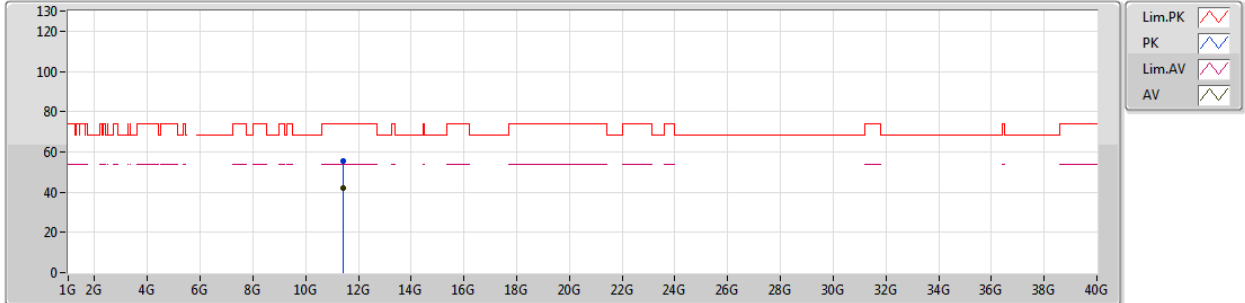
EUT Y_4TX
Setting 114
01-E-2-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.4512G	59.08	74.00	-14.92	5.90	3	Horizontal	102	1.44	-
AV	5.4572G	45.93	54.00	-8.07	5.91	3	Horizontal	102	1.44	-
PK	5.462G	57.84	68.20	-10.36	5.92	3	Horizontal	102	1.44	-
PK	5.7188G	122.77	Inf	-Inf	6.76	3	Horizontal	102	1.44	-
AV	5.7152G	112.82	Inf	-Inf	6.74	3	Horizontal	102	1.44	-
PK	5.8616G	62.06	68.20	-6.14	7.22	3	Horizontal	102	1.44	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



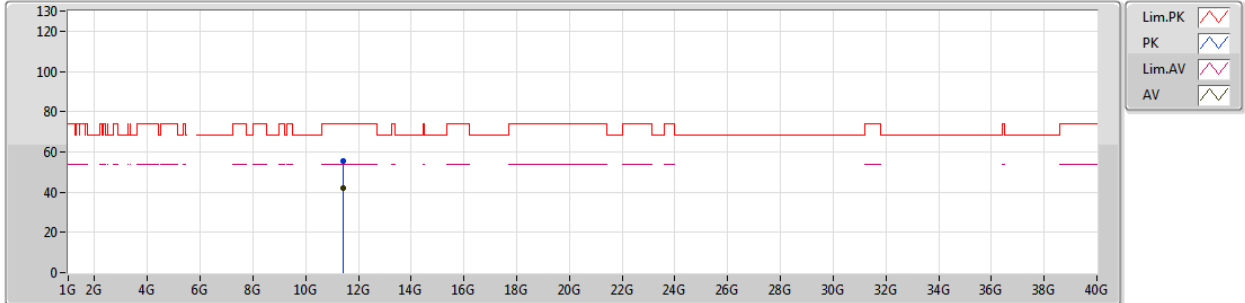
EUT_Y_4TX
Setting 114
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.44072G	55.24	74.00	-18.76	13.32	3	Vertical	198	2.07	-
AV	11.4439G	42.26	54.00	-11.74	13.32	3	Vertical	198	2.07	-

802.11ac VHT20_Nss1,(MCS0)_4TX

03/12/2018

5720MHz Straddle 5.47-5.725GHz_TX



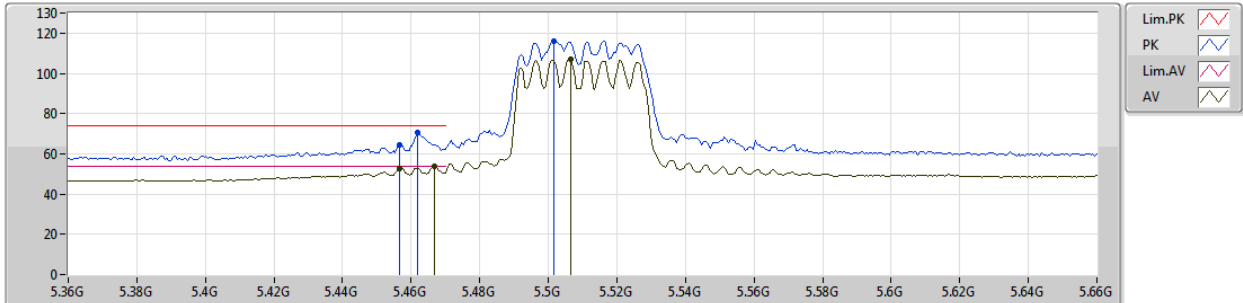
EUT Y_4TX
Setting 114
01-E-2
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.4424G	55.45	74.00	-18.55	13.32	3	Horizontal	335	1.23	-
AV	11.44066G	42.18	54.00	-11.82	13.32	3	Horizontal	335	1.23	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5510MHz_TX



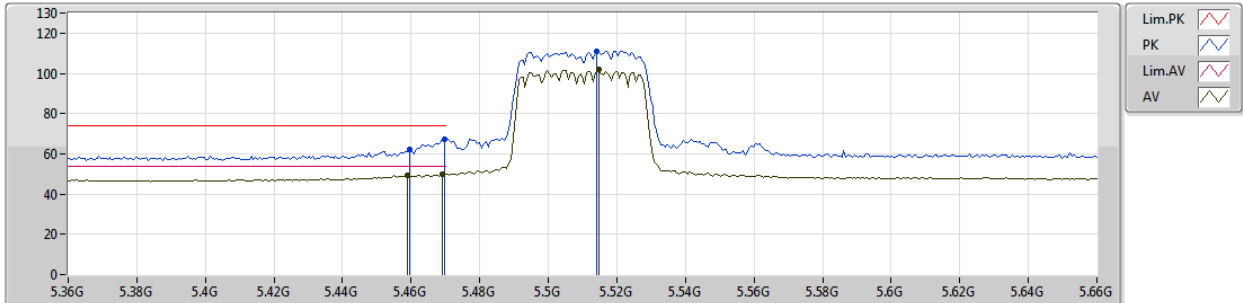
EUT Y_4TX
Setting 74
02-R-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4566G	64.61	74.00	-9.39	9.02	3	Vertical	237	2.10	-
AV	5.4566G	52.68	54.00	-1.32	9.02	3	Vertical	237	2.10	-
PK	5.462G	70.49	74.00	-3.51	9.03	3	Vertical	237	2.10	-
AV	5.4668G	53.82	54.00	-0.18	9.05	3	Vertical	237	2.10	-
PK	5.5016G	116.11	Inf	-Inf	9.12	3	Vertical	237	2.10	-
AV	5.5064G	106.85	Inf	-Inf	9.12	3	Vertical	237	2.10	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5510MHz_TX



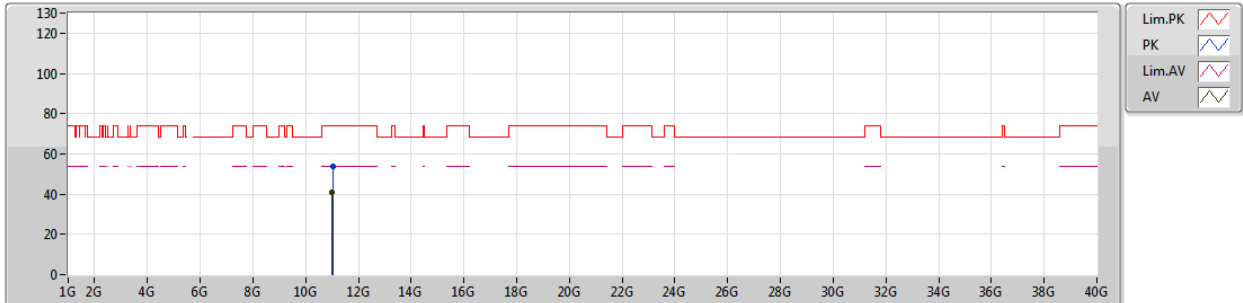
EUT Y_4TX
Setting 74
02-R-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	5.4596G	62.08	74.00	-11.92	9.03	3	Horizontal	132	2.16	-
AV	5.459G	49.19	54.00	-4.81	9.03	3	Horizontal	132	2.16	-
PK	5.4698G	67.43	74.00	-6.57	9.05	3	Horizontal	132	2.16	-
AV	5.4692G	50.05	54.00	-3.95	9.05	3	Horizontal	132	2.16	-
PK	5.5142G	111.14	Inf	-Inf	9.13	3	Horizontal	132	2.16	-
AV	5.5148G	101.77	Inf	-Inf	9.13	3	Horizontal	132	2.16	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5510MHz_TX



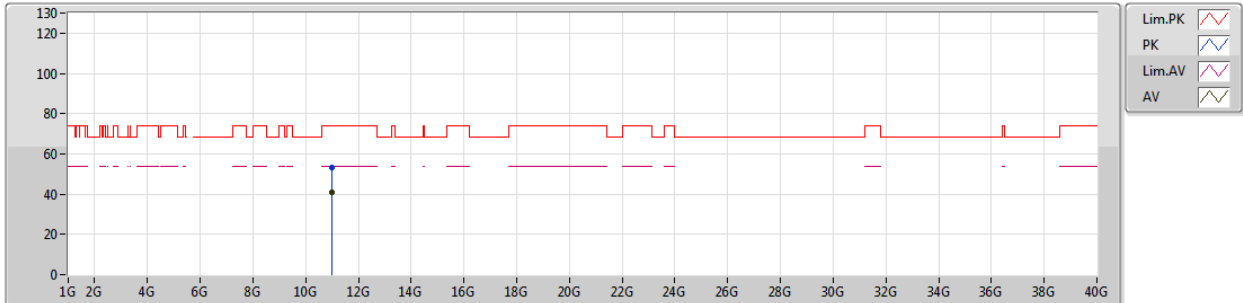
EUT Y_4TX
Setting 74
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.02294G	53.65	74.00	-20.35	14.05	3	Vertical	102	2.01	-
AV	11.0089G	40.90	54.00	-13.10	14.03	3	Vertical	102	2.01	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5510MHz_TX



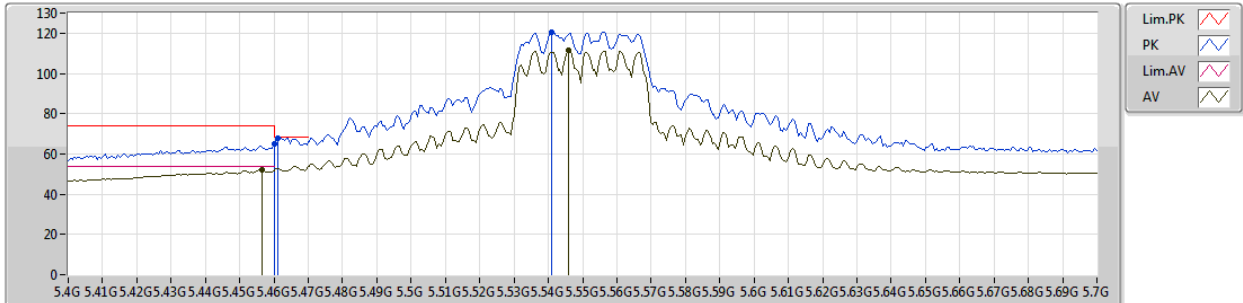
EUT Y_4TX
Setting 74
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.0113G	53.35	74.00	-20.65	14.03	3	Horizontal	305	1.72	-
AV	11.00608G	41.03	54.00	-12.97	14.03	3	Horizontal	305	1.72	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5550MHz_TX



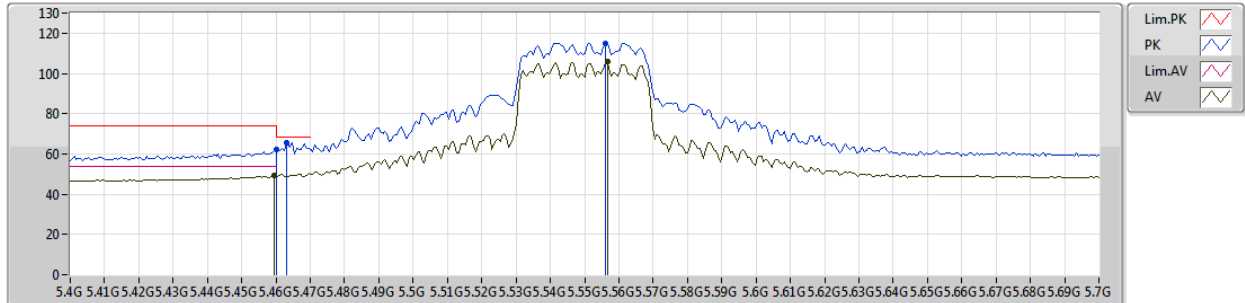
EUT Y_4TX
Setting 93
02-R-4-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.459995G	65.02	74.00	-8.98	9.03	3	Vertical	237	2.19	-
AV	5.4564G	52.13	54.00	-1.87	9.02	3	Vertical	237	2.19	-
PK	5.4612G	67.96	68.20	-0.24	9.03	3	Vertical	237	2.19	-
PK	5.541G	120.72	Inf	-Inf	9.15	3	Vertical	237	2.19	-
AV	5.5458G	111.44	Inf	-Inf	9.15	3	Vertical	237	2.19	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5550MHz_TX



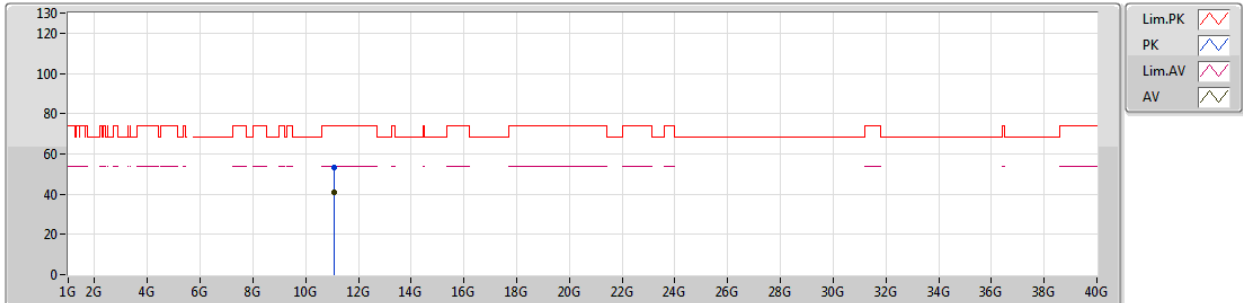
EUT_Y_4TX
Setting 93
02-R-4-10
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments								
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)									
PK	5.459995G	62.09	74.00	-11.91	9.03	3	Horizontal	119	2.16	-								
AV	5.4594G	49.20	54.00	-4.80	9.03	3	Horizontal	119	2.16	-								
PK	5.463G	65.71	68.20	-2.49	9.03	3	Horizontal	119	2.16	-								
PK	5.556G	114.93	Inf	-Inf	9.16	3	Horizontal	119	2.16	-								
AV	5.5566G	105.78	Inf	-Inf	9.16	3	Horizontal	119	2.16	-								

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5550MHz_TX



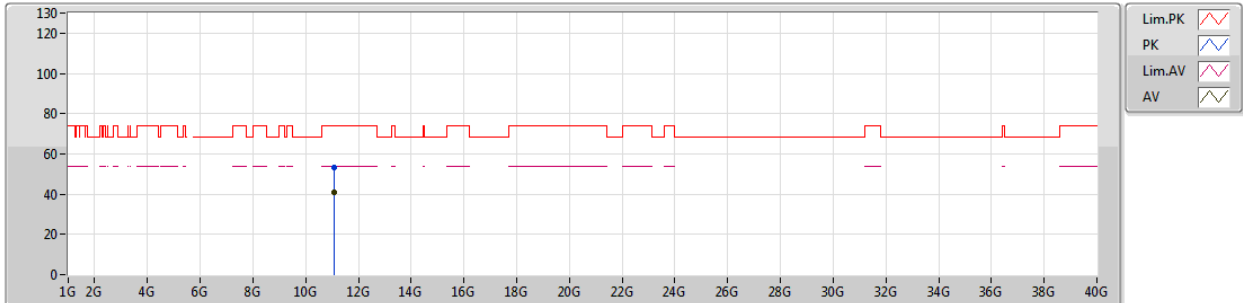
EUT Y_4TX
Setting 93
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.1006G	53.18	74.00	-20.82	14.14	3	Vertical	311	1.84	-
AV	11.09652G	40.78	54.00	-13.22	14.13	3	Vertical	311	1.84	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5550MHz_TX



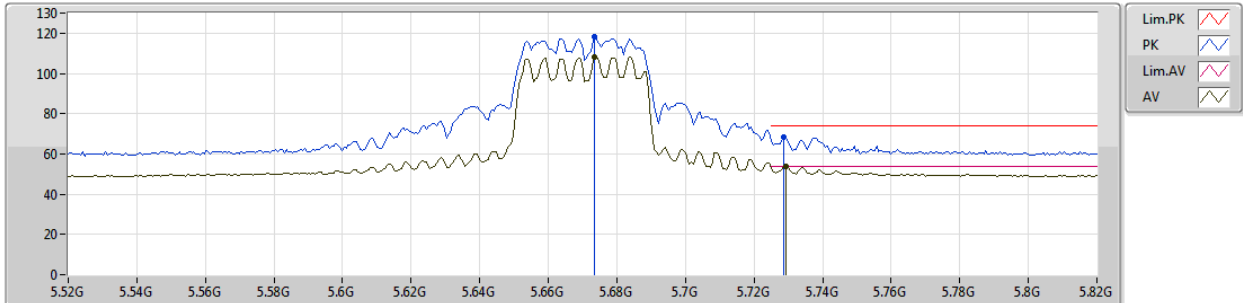
EUT Y_4TX
Setting 93
02-R-4
FSU(100015)

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	11.09328G	53.19	74.00	-20.81	14.13	3	Horizontal	214	2.00	-
AV	11.09784G	40.71	54.00	-13.29	14.14	3	Horizontal	214	2.00	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5670MHz_TX



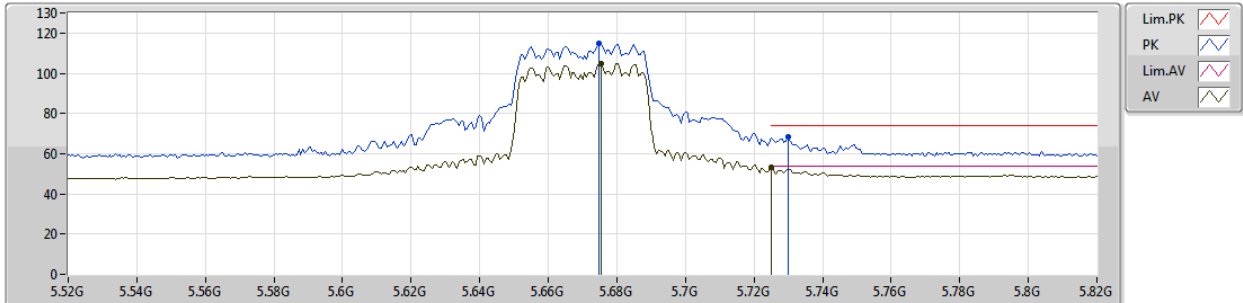
EUT Y_4TX
Setting 87
02-R-4-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6736G	118.12	Inf	-Inf	9.20	3	Vertical	253	1.81	-
AV	5.6736G	108.26	Inf	-Inf	9.20	3	Vertical	253	1.81	-
PK	5.7288G	68.51	74.00	-5.49	9.22	3	Vertical	253	1.81	-
AV	5.7294G	53.80	54.00	-0.20	9.22	3	Vertical	253	1.81	-
PK	5.6736G	108.29	Inf	-Inf	9.20	3	Vertical	253	1.81	-

802.11ac VHT40_Nss1,(MCS0)_4TX

03/12/2018

5670MHz_TX



EUT_Y_4TX
Setting 87
02-R-4-10
FSU(100015)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	5.6748G	115.15	Inf	-Inf	9.20	3	Horizontal	97	1.37	-
AV	5.6754G	105.01	Inf	-Inf	9.21	3	Horizontal	97	1.37	-
PK	5.73G	68.60	74.00	-5.40	9.22	3	Horizontal	97	1.37	-
AV	5.7252G	53.27	54.00	-0.73	9.22	3	Horizontal	97	1.37	-