

FCC Test Report

Equipment : Wireless-AC VPN Router
Brand Name : CISCO
Model No. : RV260W
FCC ID : PD5-RV260W
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5250 MHz – 5350 MHz
5470 MHz – 5725 MHz
5725 MHz – 5850 MHz
Applicant / Manufacturer : Delta Networks, Inc.
No.252, Shang Ying Rd., Kuei San District, Taoyuan City
33341, Taiwan R.O.C.
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client
TPC Function : TPC

The product sample received on May 09, 2017 and completely tested on Aug. 02, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

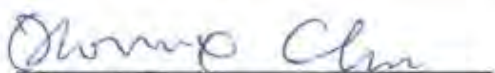

Phoenix Chen
SPORTON INTERNATIONAL INC.





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APPENDIX A. TEST PHOTOS

PHOTOGRAPHS OF EUT v01



Summary of Test Result

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



SPORTON INTERNATIONAL INC.
TEL : 886-3-3273456
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FCC ID: PD5-RV260W

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [3]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530	106 [1]
5725-5850		5775	155 [1]

<Non-Beamforming>

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a	20	3TX
5.25-5.35GHz	11a	20	3TX
5.47-5.725GHz	11a	40	3TX
5.725-5.85GHz	11a	80	3TX
5.15-5.25GHz	VHT20	20	3TX
5.25-5.35GHz	VHT20	20	3TX
5.47-5.725GHz	VHT20	40	3TX
5.725-5.85GHz	VHT20	80	3TX
5.15-5.25GHz	VHT40	20	3TX
5.25-5.35GHz	VHT40	20	3TX
5.47-5.725GHz	VHT40	40	3TX
5.725-5.85GHz	VHT40	80	3TX
5.15-5.25GHz	VHT80	20	3TX
5.25-5.35GHz	VHT80	20	3TX
5.47-5.725GHz	VHT80	40	3TX
5.725-5.85GHz	VHT80	80	3TX

<Beamforming>

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT20-BF	20	3TX
5.25-5.35GHz	802.11ac VHT20-BF	20	3TX
5.47-5.725GHz	802.11ac VHT20-BF	20	3TX
5.725-5.85GHz	802.11ac VHT20-BF	20	3TX
5.15-5.25GHz	802.11ac VHT40-BF	40	3TX
5.25-5.35GHz	802.11ac VHT40-BF	40	3TX
5.47-5.725GHz	802.11ac VHT40-BF	40	3TX
5.725-5.85GHz	802.11ac VHT40-BF	40	3TX
5.15-5.25GHz	802.11ac VHT80-BF	80	3TX
5.25-5.35GHz	802.11ac VHT80-BF	80	3TX
5.47-5.725GHz	802.11ac VHT80-BF	80	3TX
5.725-5.85GHz	802.11ac VHT80-BF	80	3TX

Note:

- 11a use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	BF Gain (dBi)
1	1	MASTER WAVE	98619PIPF037	Dipole	I-PEX	5.25	4.77
2	2	MASTER WAVE	98619PIPF038	Dipole	I-PEX	4.89	
3	3	MASTER WAVE	98619PIPF039	Dipole	I-PEX	5.6	

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
Beamforming Function	☒ With beamforming	☐ Without beamforming	
Weather Band	☐ With 5600~5650MHz	☒ Without 5600~5650MHz	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:		...
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		...
☐	Other:		

1.1.4 Mode Test Duty Cycle
<Non-Beamforming>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a	0.986	0.061	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT20	0.986	0.061	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT40	0.971	0.128	954.375u	3k
VHT80	0.944	0.25	463.125u	3k

<Beamforming>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ac VHT20-BF	0.849	0.711	1.945m	1k
802.11ac VHT40-BF	0.944	0.25	4.618m	300
802.11ac VHT80-BF	0.836	0.778	466.875u	3k

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
- ♦ ANSI C63.4-2014
- ♦ KDB 789033 D02 v01r04
- ♦ KDB 644545 D03 v01
- ♦ KDB 662911 D01 v02r01

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		
Test site Designation No. TW1190 with FCC.					
☒	LIN KOU	ADD : No. 30-2, Dingfu Vil., Linkou Dist., New Taipei City, Taiwan (R.O.C.)			
		TEL : 886-2-2601-1640	FAX : 886-2-2601-1695		
Test site Designation No. TW1095 with FCC.					
Test Condition		Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction		CO01-LK	Alex	25°C / 61%	16/May/2017
RF Conducted		TH01-HY	Ryan	21.4°C / 65%	02/Aug/2017
Radiated		03CH02-HY	Terry	22.1°C / 58%	28/Jun/2017

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission (CO01-LK)	2.4 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
0°C		
10°C		
20°C		
30°C		
40°C		
138V		
120V		
102V		



2.2 Test Channel Mode

<Non-Beamforming>

Test Software Version	MTool_ V2.0.3.2
Mode	Power Setting
802.11a_Nss1,(6Mbps)_3TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	46
5300MHz	45
5320MHz	45
5500MHz	56
5580MHz	54
5700MHz	53
5745MHz	66
5785MHz	65
5825MHz	66
802.11ac VHT20_Nss1,(MCS0)_3TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	47
5300MHz	46
5320MHz	47
5500MHz	56
5580MHz	55
5700MHz	53
5745MHz	63
5785MHz	62
5825MHz	63
802.11ac VHT40_Nss1,(MCS0)_3TX	-
5190MHz	40
5230MHz	40
5270MHz	48
5310MHz	47
5510MHz	68
5550MHz	70
5670MHz	68
5755MHz	63
5795MHz	63
802.11ac VHT80_Nss1,(MCS0)_3TX	-



Mode	Power Setting
5210MHz	47
5290MHz	50
5530MHz	63
5775MHz	70

<Beamforming>

Test Software	Putty
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Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-
5180MHz	30
5200MHz	30
5240MHz	30
5260MHz	30
5300MHz	30
5320MHz	30
5500MHz	59
5580MHz	58
5700MHz	58
5745MHz	87
5785MHz	87
5825MHz	88
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-
5190MHz	31
5230MHz	31
5270MHz	30
5310MHz	30
5510MHz	55
5550MHz	61
5670MHz	61
5755MHz	86
5795MHz	86
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-
5210MHz	30
5290MHz	30
5530MHz	50
5775MHz	74

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	WiFi 2.4G&5G, SFP 1Gbps, LAN 1Gbps (Max Traffic), USB R/W, desktop
2	WiFi 2.4G&5G, WAN 1Gbps, LAN 1Gbps (Max Traffic) , USB R/W, desktop
3	WiFi 2.4G&5G, SFP 1Gbps, LAN 100Mbps (Max Traffic), USB R/W, desktop
4	WiFi 2.4G&5G, SFP 1Gbps, LAN 10Mbps (Max Traffic), USB R/W, desktop
5	WiFi 2.4G&5G, SFP 1Gbps, LAN 10Mbps (Min Traffic 0%), USB R/W, desktop
Mode 4 configuration was tested and found to be the worst case and measured during the test.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests		
Tests Item	Unwanted Emissions	
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.	
Operating Mode < 1GHz	CTX	
1	Adapter mode	
Operating Mode > 1GHz	CTX	
Orthogonal Planes of EUT	Y Plane	Z Plane
		
Worst Planes of EUT		V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA750813 for Co-location RF Exposure Evaluation and clause 3.5.7 for Radiated Emission Co-location.	

2.4 Accessories

Accessories			
AC Adapter	Brand Name	DVE	Model Name DSA-30PFG-12 FCA 120250
	Power Rating	I/P: 100 - 240Vac, 0.8 A, O/P: 12 Vdc, 2.5 A	
	Power Cord	1.2 meter, non-shielded cable, w/o ferrite core	
RJ45 to RS232 console cable	Power Cord	1.8 meter, non-shielded cable	
RJ45 Cable	Power Cord	1.42 meter, non-shielded cable	

Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
A	USB Flash Drive	Transcend	TS8GJFV85	DoC
B	Transceiver (Fiber)	Finisar	FTLF8519P2BNL	-
Z1	Switch Hub	DELL	N3024	-
Z2	Transceiver (Fiber)	Finisar	FTLF8519P2BNL	-
Z3	Notebook	DELL	PP13S	DoC
Z4	Notebook	DELL	PP13S	DoC
Z5	Notebook	DELL	PP13S	DoC
Z6	Notebook	DELL	PP13S	DoC
Z7	Notebook	DELL	PP13S	DoC
Z8	Notebook	DELL	PP13S	DoC
Z9	Notebook	DELL	PP13S	DoC
Z10	Notebook	DELL	PP13S	DoC
Z11	Notebook	DELL	PP13S	DoC
Z12	Notebook (WiFi 2.4G)	DELL	Latitude E5540	DoC
Z13	Notebook (WiFi 5G)	DELL	Latitude E5540	DoC

Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	Notebook	DELL	E5410	DoC
4	Adapter for NB	DELL	HA65NM130	DoC
5	Client	-	-	-

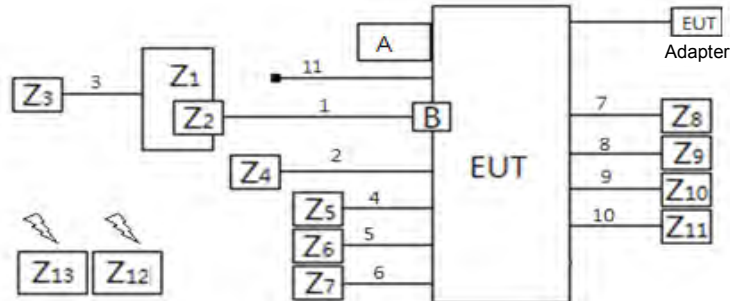
Note: Support equipment No.5 was provided by customer.

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Client	-	-	-
2	Notebook	DELL	E5530	DoC
3	Notebook	DELL	E5530	DoC

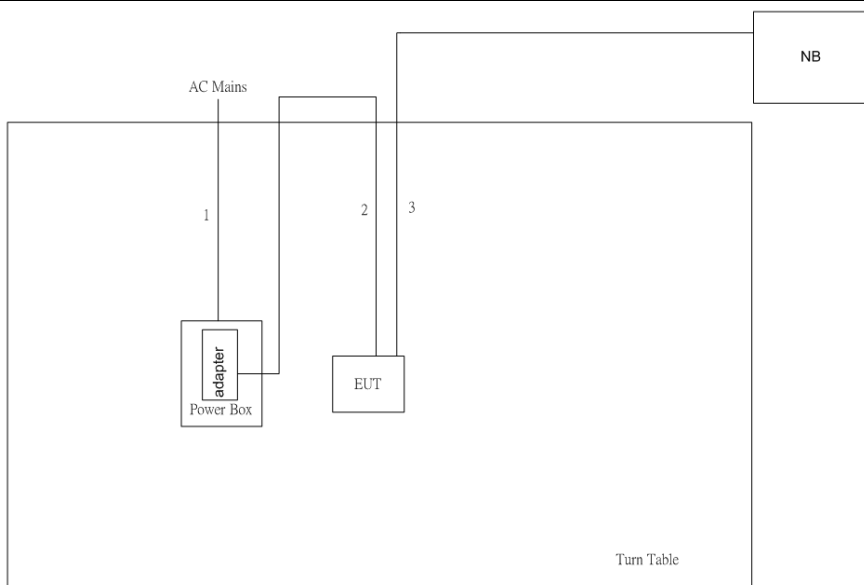
Note: Support equipment No.1 was provided by customer.

2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	Fiber	Non-Shielded	10 m
2	RJ45	Non-Shielded	3 m
3	RJ45	Non-Shielded	10 m
4	RJ45	Non-Shielded	10 m
5	RJ45	Non-Shielded	10 m
6	RJ45	Non-Shielded	10 m
7	RJ45	Non-Shielded	10 m
8	RJ45	Non-Shielded	10 m
9	RJ45	Non-Shielded	10 m
10	RJ45	Non-Shielded	10 m
11	Console (Floating)	Non-Shielded	1.8 m

Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	AC Power Line	Non-Shielded	1.8m
2	DC power Line	Non-Shielded	1.2m
3	RJ-45 cable	Non-Shielded	10.0m

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.

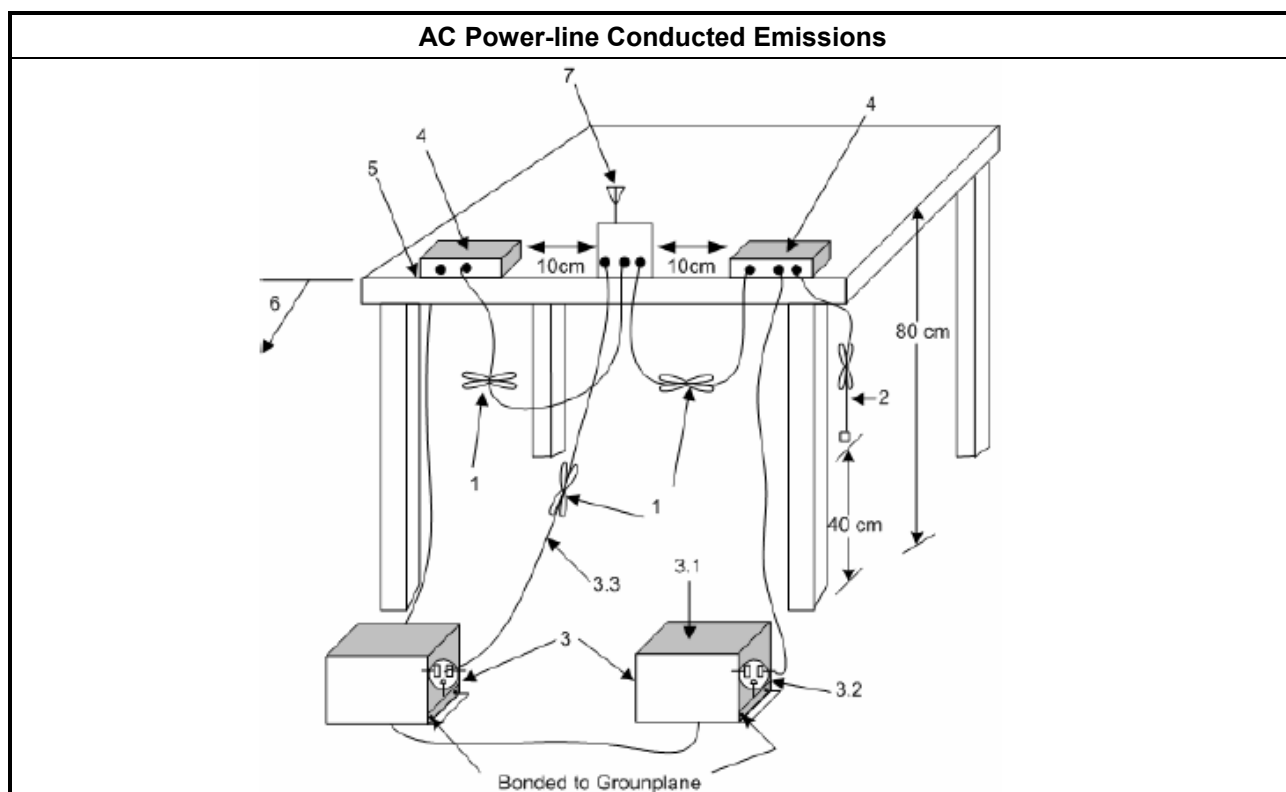
3.1.2 Measuring Instruments

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

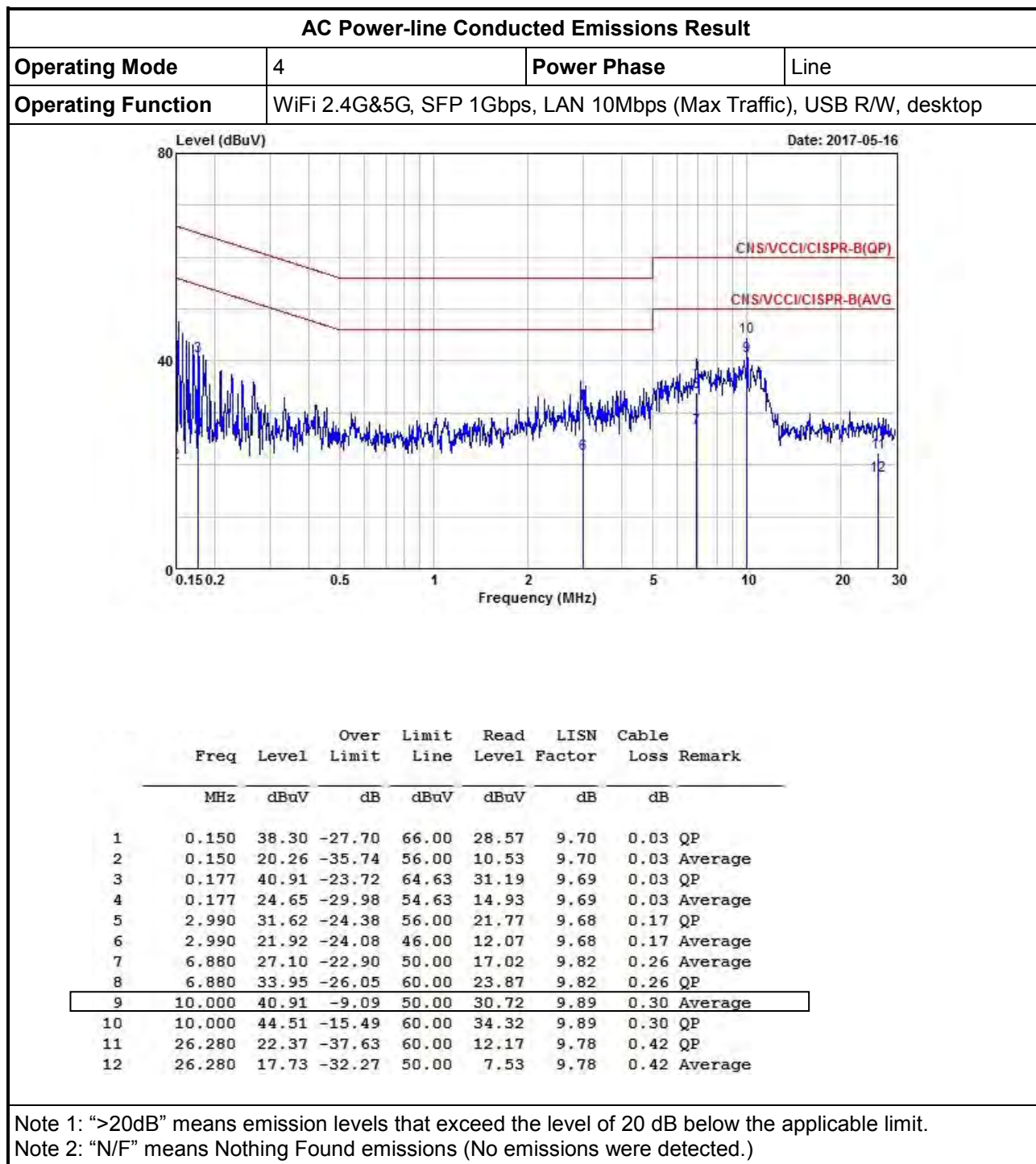
3.1.3 Test Procedures

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

3.1.4 Test Setup

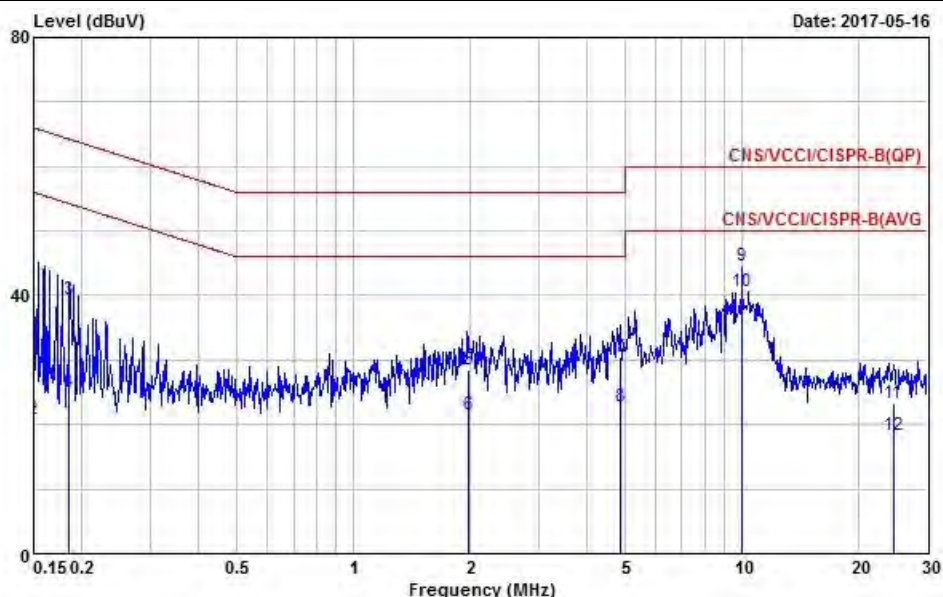


3.1.5 Test Result of AC Power-line Conducted Emissions



AC Power-line Conducted Emissions Result

Operating Mode	4	Power Phase	Neutral
Operating Function	WiFi 2.4G&5G, SFP 1Gbps, LAN 10Mbps (Max Traffic), USB R/W, desktop		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	39.06	-26.94	66.00	29.36	9.67	0.03	QP
2	0.150	20.79	-35.21	56.00	11.09	9.67	0.03	Average
3	0.184	39.43	-24.87	64.30	29.75	9.65	0.03	QP
4	0.184	24.97	-29.33	54.30	15.29	9.65	0.03	Average
5	1.980	28.58	-27.42	56.00	18.79	9.66	0.13	QP
6	1.980	21.63	-24.37	46.00	11.84	9.66	0.13	Average
7	4.870	30.44	-25.56	56.00	20.45	9.76	0.23	QP
8	4.870	22.88	-23.12	46.00	12.89	9.76	0.23	Average
9	10.000	44.53	-15.47	60.00	34.38	9.85	0.30	QP
10	10.000	40.74	-9.26	50.00	30.59	9.85	0.30	Average
11	24.530	23.25	-36.75	60.00	12.83	10.03	0.39	QP
12	24.530	18.43	-31.57	50.00	8.01	10.03	0.39	Average

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

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.

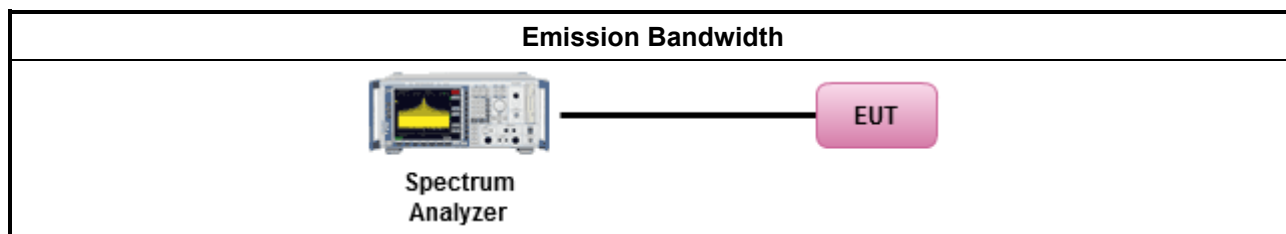
3.2.2 Measuring Instruments

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 KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

<Non-Beamforming> Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-
5.15-5.25GHz	21.65M	16.617M	16M6D1D	21.025M	16.542M
5.25-5.35GHz	21.675M	16.642M	16M6D1D	21.3M	16.542M
5.47-5.725GHz	21.6M	16.617M	16M6D1D	21.35M	16.517M
5.725-5.85GHz	16.375M	16.617M	16M6D1D	16.325M	16.542M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	21.9M	17.816M	17M8D1D	21.375M	17.716M
5.25-5.35GHz	21.7M	17.766M	17M8D1D	20.85M	17.691M
5.47-5.725GHz	21.725M	17.766M	17M8D1D	21.225M	17.716M
5.725-5.85GHz	17.675M	17.791M	17M8D1D	17.15M	17.716M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	40.45M	36.282M	36M3D1D	39.6M	36.182M
5.25-5.35GHz	40.5M	36.282M	36M3D1D	39.6M	36.182M
5.47-5.725GHz	49.8M	36.332M	36M3D1D	39.6M	36.132M
5.725-5.85GHz	36.35M	36.332M	36M3D1D	36.3M	36.232M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	81.1M	75.262M	75M3D1D	80.9M	74.863M
5.25-5.35GHz	81.5M	75.862M	75M9D1D	80.9M	75.562M
5.47-5.725GHz	81.7M	76.162M	76M2D1D	80.5M	75.862M
5.725-5.85GHz	76.1M	75.962M	76M0D1D	75.1M	75.562M

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)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.3M	16.542M	21.575M	16.567M	21.025M	16.567M
5200MHz_TnomVnom	Pass	Inf	21.65M	16.567M	21.35M	16.567M	21.55M	16.592M
5240MHz_TnomVnom	Pass	Inf	21.475M	16.592M	21.625M	16.617M	21.075M	16.617M
5260MHz_TnomVnom	Pass	Inf	21.525M	16.642M	21.475M	16.617M	21.3M	16.592M
5300MHz_TnomVnom	Pass	Inf	21.525M	16.642M	21.45M	16.567M	21.675M	16.542M
5320MHz_TnomVnom	Pass	Inf	21.6M	16.617M	21.45M	16.617M	21.575M	16.642M
5500MHz_TnomVnom	Pass	Inf	21.475M	16.617M	21.425M	16.592M	21.5M	16.592M
5580MHz_TnomVnom	Pass	Inf	21.6M	16.592M	21.425M	16.592M	21.35M	16.517M
5700MHz_TnomVnom	Pass	Inf	21.55M	16.542M	21.4M	16.592M	21.4M	16.592M
5745MHz_TnomVnom	Pass	500k	16.35M	16.617M	16.325M	16.592M	16.35M	16.592M
5785MHz_TnomVnom	Pass	500k	16.35M	16.567M	16.35M	16.542M	16.325M	16.567M
5825MHz_TnomVnom	Pass	500k	16.35M	16.567M	16.35M	16.567M	16.375M	16.592M
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.9M	17.766M	21.425M	17.791M	21.5M	17.766M
5200MHz_TnomVnom	Pass	Inf	21.9M	17.766M	21.7M	17.791M	21.525M	17.766M
5240MHz_TnomVnom	Pass	Inf	21.775M	17.816M	21.375M	17.741M	21.375M	17.716M
5260MHz_TnomVnom	Pass	Inf	21.675M	17.741M	20.85M	17.741M	21.25M	17.716M
5300MHz_TnomVnom	Pass	Inf	21.325M	17.741M	21.175M	17.766M	21.6M	17.741M
5320MHz_TnomVnom	Pass	Inf	21.7M	17.691M	21.525M	17.691M	21.25M	17.716M
5500MHz_TnomVnom	Pass	Inf	21.65M	17.716M	21.25M	17.741M	21.6M	17.741M
5580MHz_TnomVnom	Pass	Inf	21.55M	17.741M	21.625M	17.716M	21.225M	17.716M
5700MHz_TnomVnom	Pass	Inf	21.725M	17.741M	21.475M	17.741M	21.45M	17.766M
5745MHz_TnomVnom	Pass	500k	17.6M	17.741M	17.55M	17.741M	17.575M	17.716M
5785MHz_TnomVnom	Pass	500k	17.675M	17.791M	17.6M	17.766M	17.55M	17.766M
5825MHz_TnomVnom	Pass	500k	17.15M	17.741M	17.6M	17.741M	17.575M	17.716M
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	40.45M	36.232M	39.6M	36.282M	39.9M	36.232M
5230MHz_TnomVnom	Pass	Inf	40.4M	36.232M	40M	36.282M	39.6M	36.182M
5270MHz_TnomVnom	Pass	Inf	40.2M	36.232M	39.6M	36.282M	40M	36.232M
5310MHz_TnomVnom	Pass	Inf	40.5M	36.182M	40.05M	36.182M	39.95M	36.232M
5510MHz_TnomVnom	Pass	Inf	39.65M	36.332M	40.05M	36.182M	39.9M	36.132M
5550MHz_TnomVnom	Pass	Inf	39.8M	36.182M	39.6M	36.282M	48.15M	36.232M
5670MHz_TnomVnom	Pass	Inf	48.15M	36.132M	40.2M	36.282M	49.8M	36.232M
5755MHz_TnomVnom	Pass	500k	36.35M	36.232M	36.35M	36.282M	36.35M	36.332M
5795MHz_TnomVnom	Pass	500k	36.35M	36.232M	36.3M	36.232M	36.35M	36.282M
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	80.9M	74.863M	81.1M	75.062M	81M	75.262M
5290MHz_TnomVnom	Pass	Inf	81.4M	75.562M	80.9M	75.862M	81.5M	75.862M
5530MHz_TnomVnom	Pass	Inf	81.5M	75.862M	81.7M	76.162M	80.5M	75.962M
5775MHz_TnomVnom	Pass	500k	75.4M	75.762M	75.1M	75.562M	76.1M	75.962M

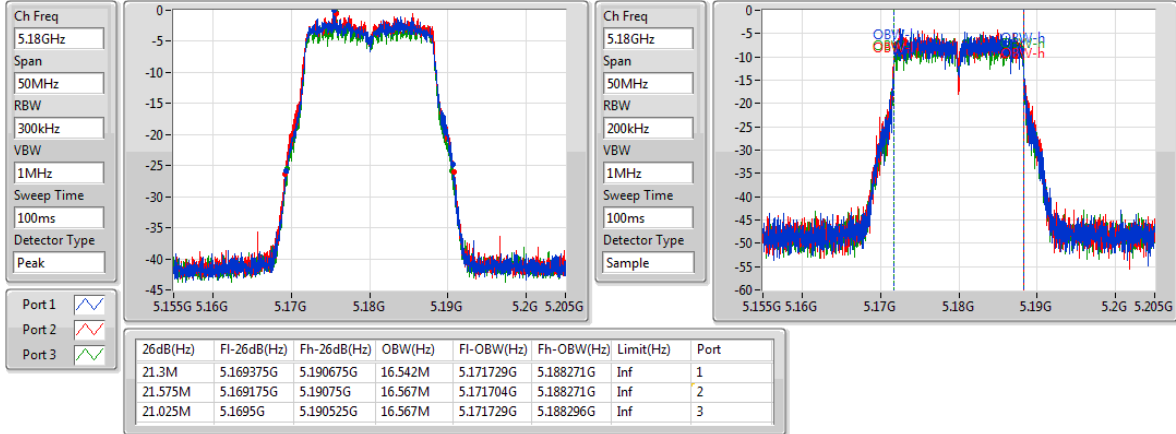
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

802.11a_Nss1,(6Mbps)_3TX

EBW

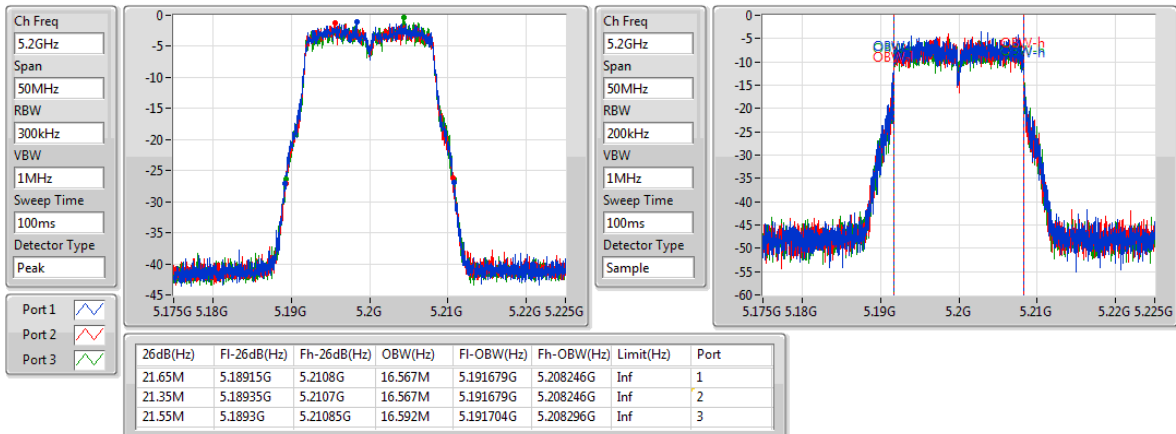
5180MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

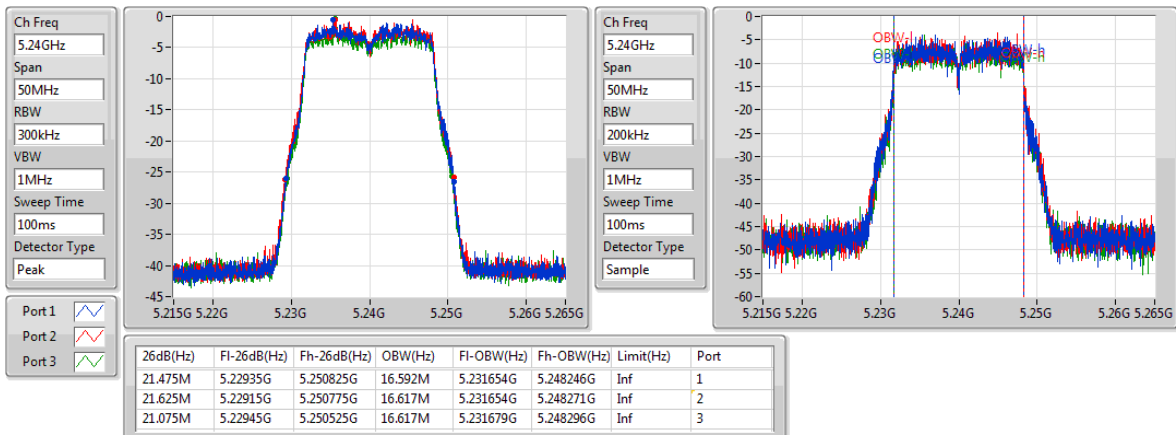
5200MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

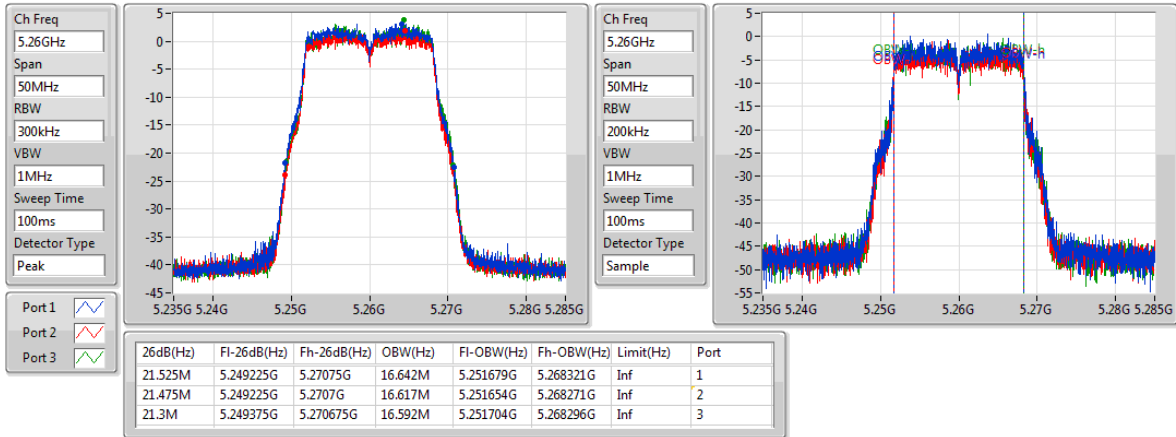
5240MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

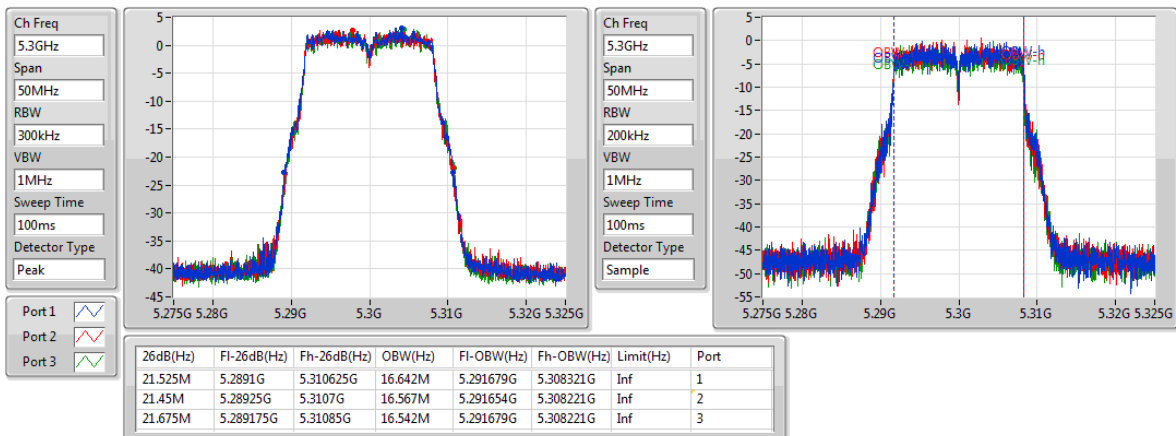
5260MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

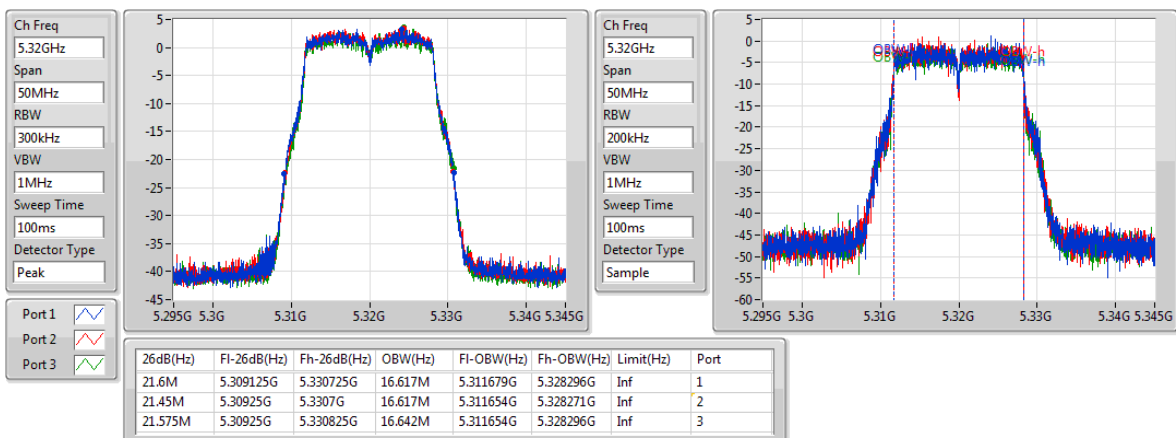
5300MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

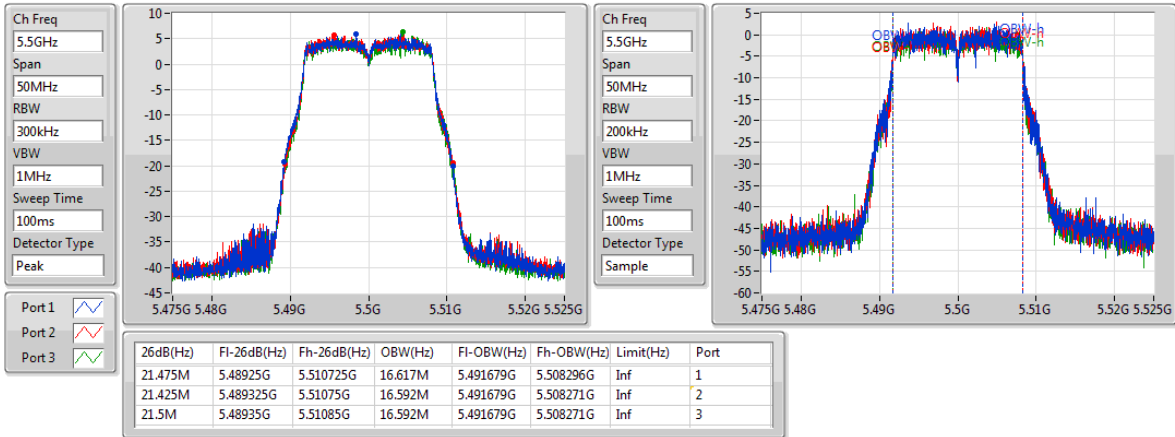
5320MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

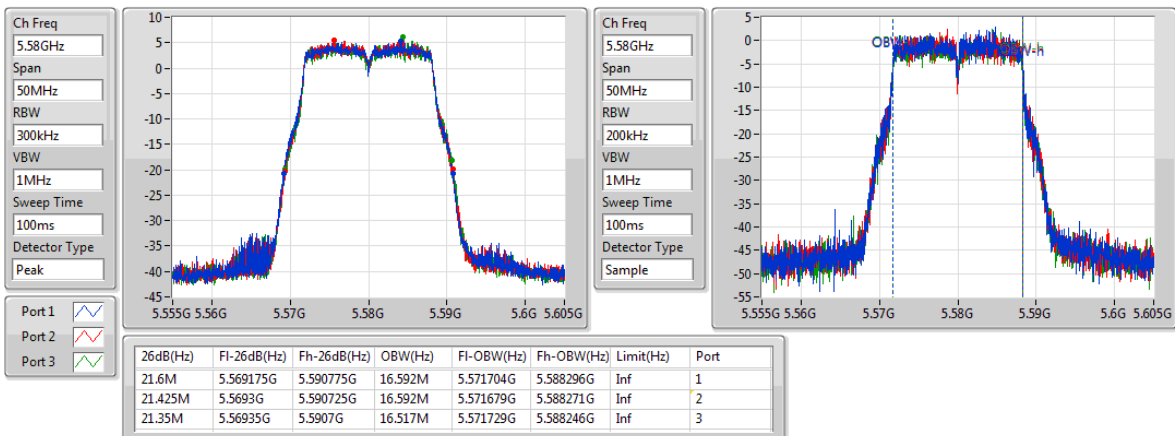
5500MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

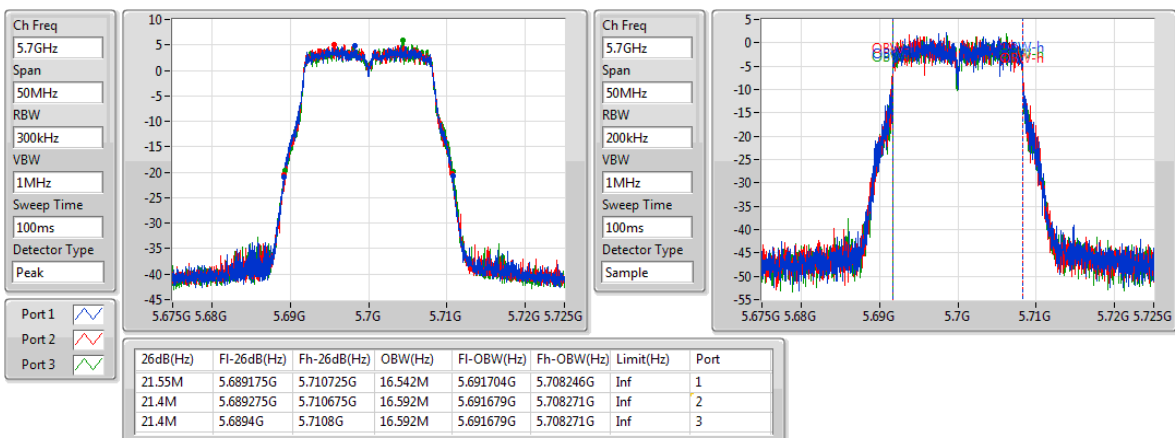
5580MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

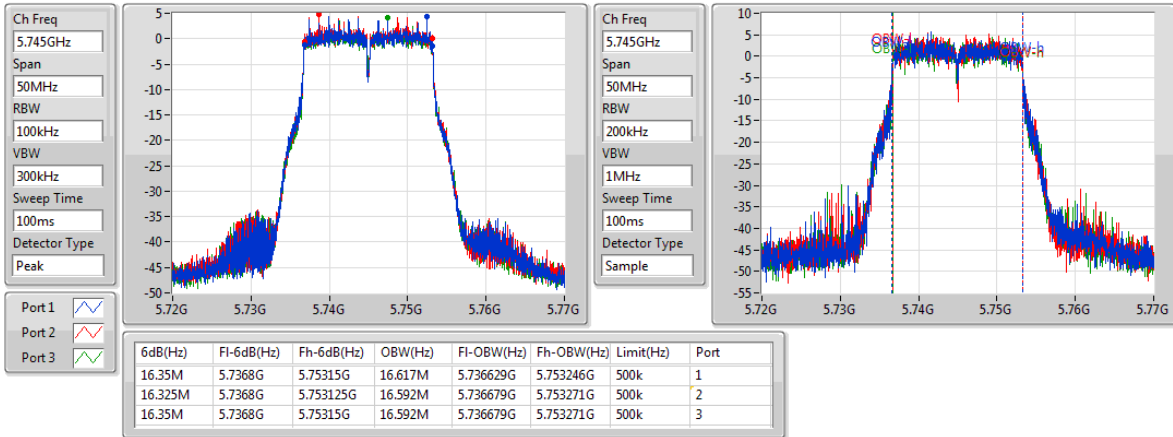
5700MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

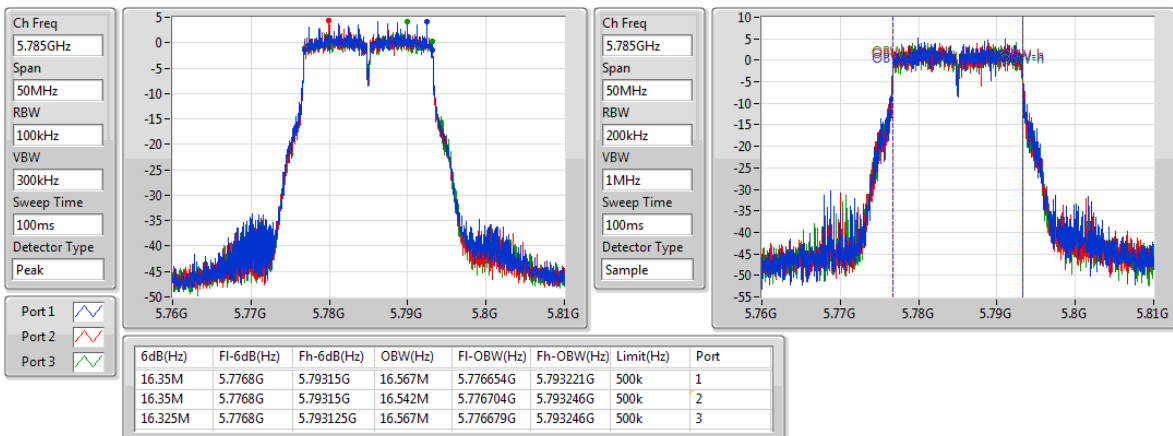
5745MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

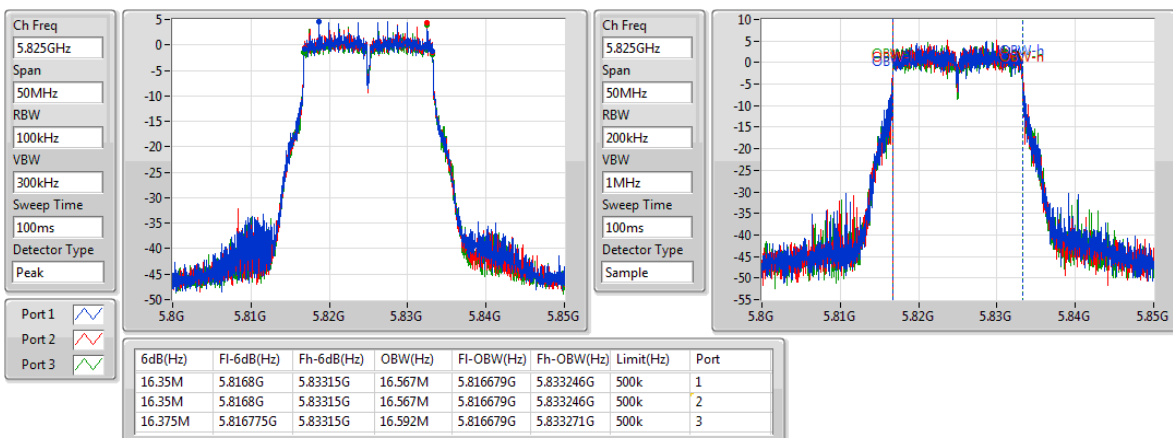
5785MHz



802.11a_Nss1,(6Mbps)_3TX

EBW

5825MHz

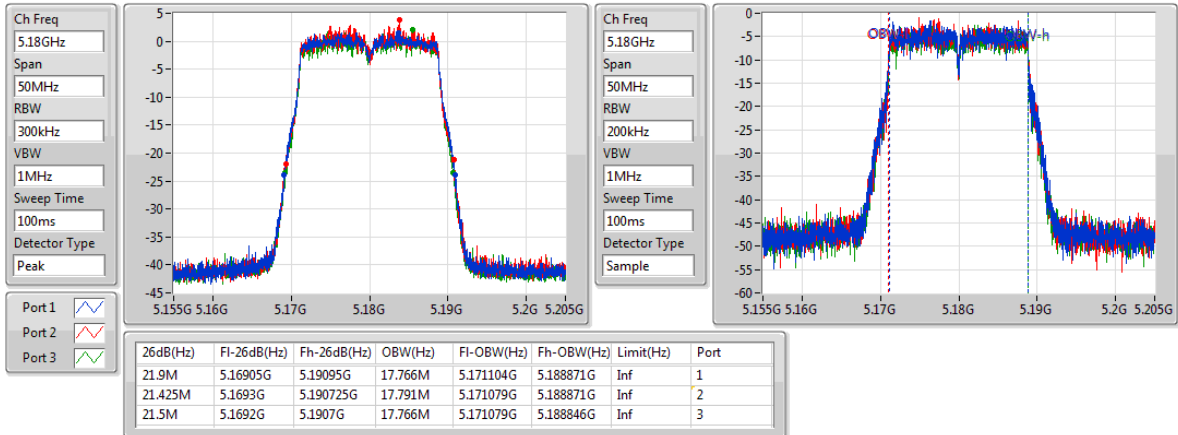




802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

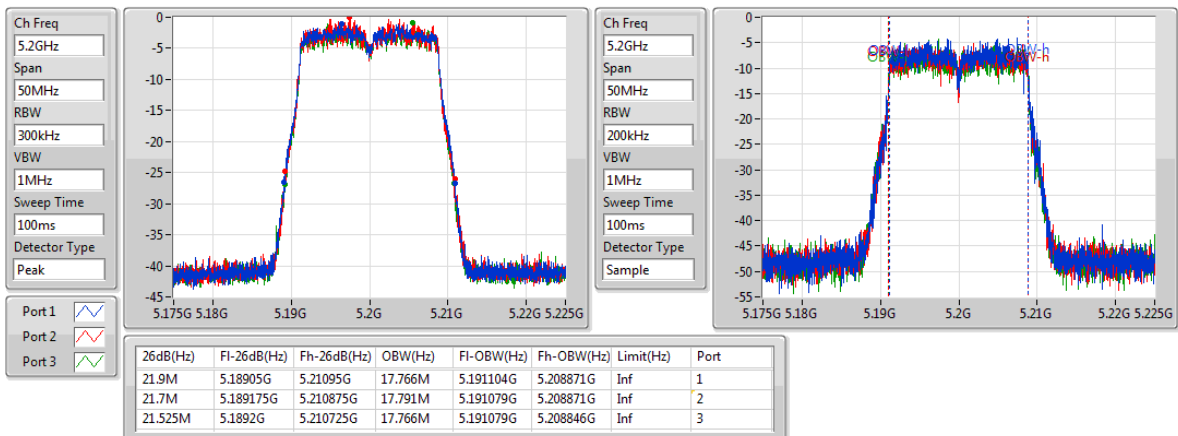
5180MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

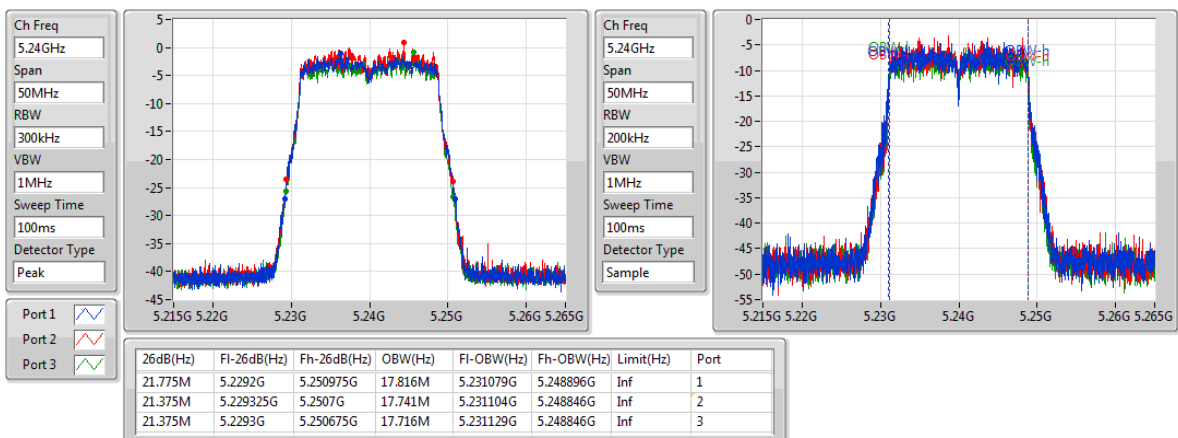
5200MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

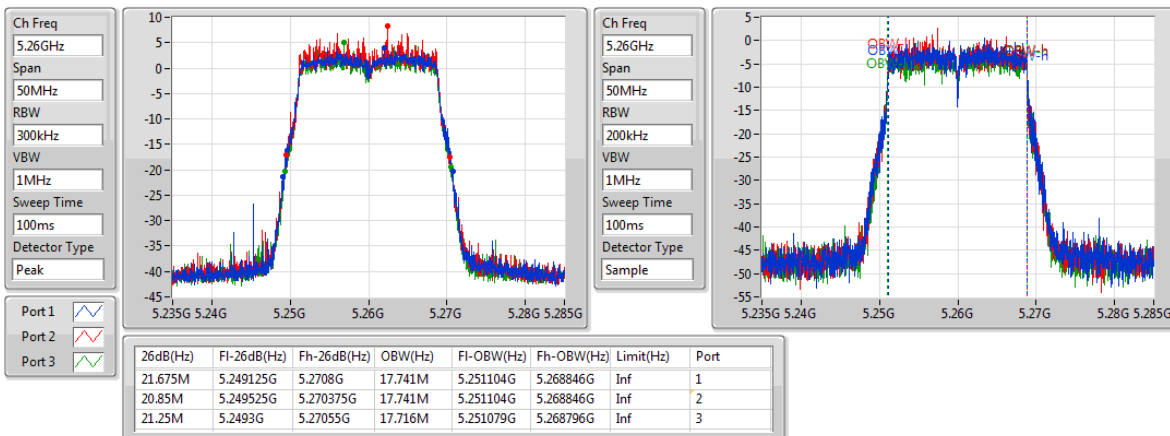
5240MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

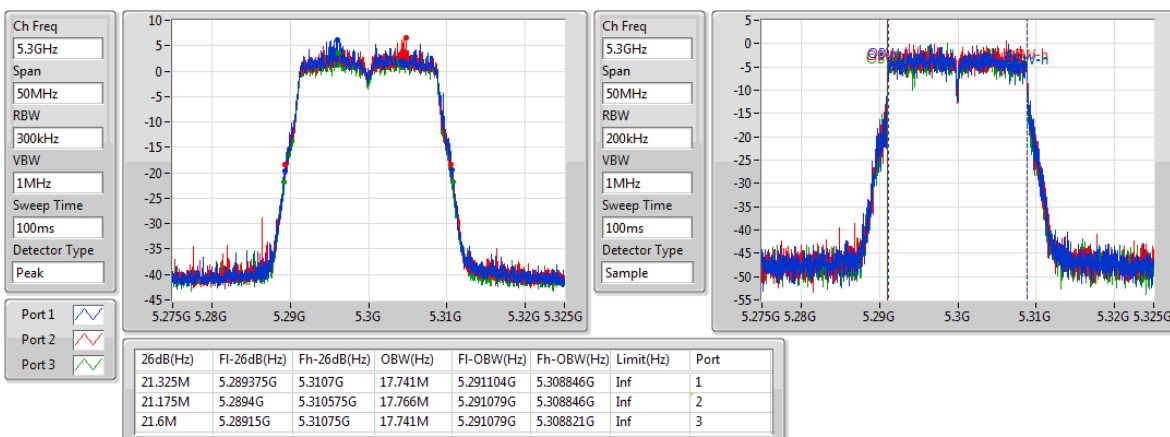
5260MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

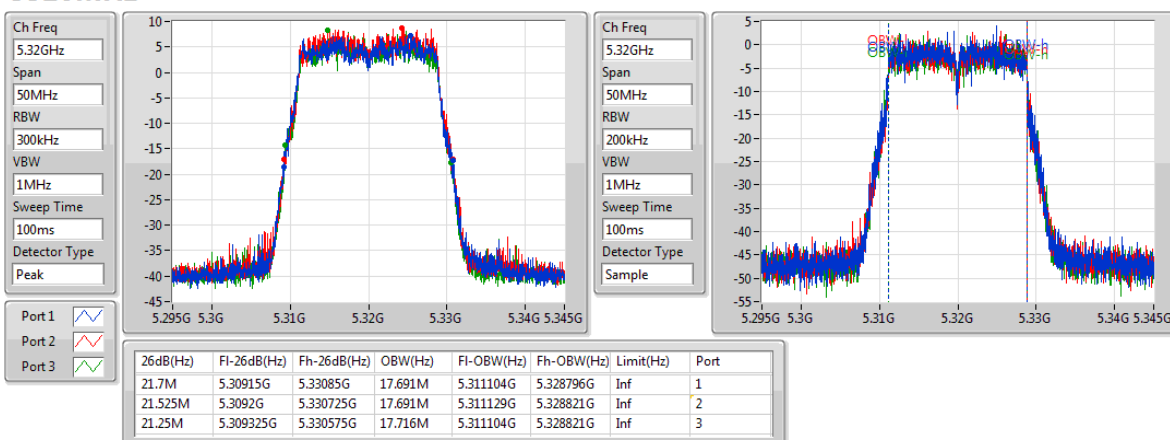
5300MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

5320MHz

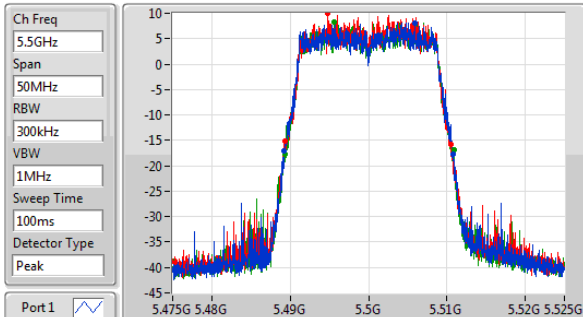




802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

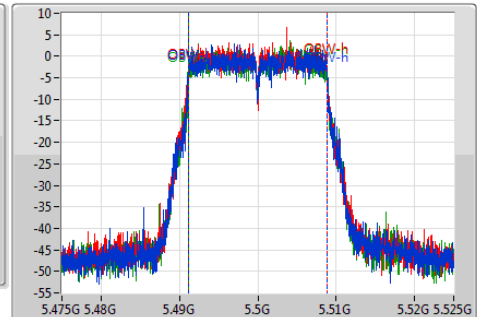
5500MHz



Port 1
Port 2
Port 3

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.65M	5.4892G	5.51085G	17.716M	5.491129G	5.508846G	Inf	1
21.25M	5.4893G	5.51055G	17.741M	5.491104G	5.508846G	Inf	2
21.6M	5.489325G	5.510925G	17.741M	5.491104G	5.508846G	Inf	3

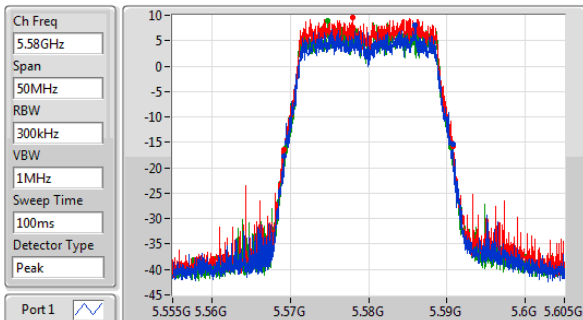
Ch Freq
5.5GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Sample



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

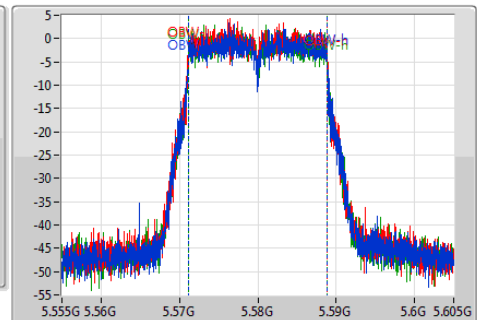
5580MHz



Port 1
Port 2
Port 3

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.55M	5.56925G	5.5908G	17.741M	5.571104G	5.588846G	Inf	1
21.625M	5.56915G	5.590775G	17.716M	5.571104G	5.588821G	Inf	2
21.225M	5.56935G	5.590575G	17.716M	5.571104G	5.588821G	Inf	3

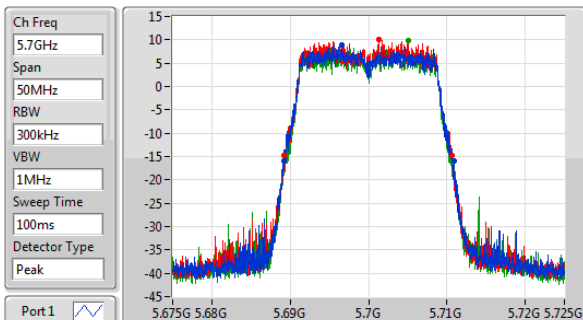
Ch Freq
5.58GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Sample



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

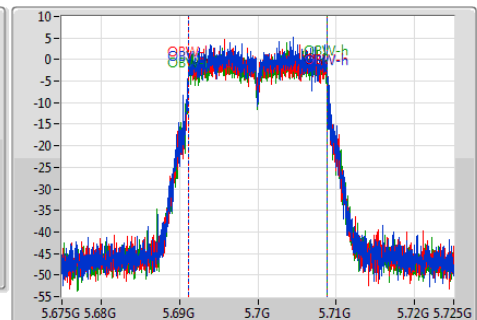
5700MHz



Port 1
Port 2
Port 3

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.68915G	5.710875G	17.741M	5.691104G	5.708846G	Inf	1
21.475M	5.6892G	5.710675G	17.741M	5.691104G	5.708846G	Inf	2
21.45M	5.689225G	5.710675G	17.766M	5.691104G	5.708871G	Inf	3

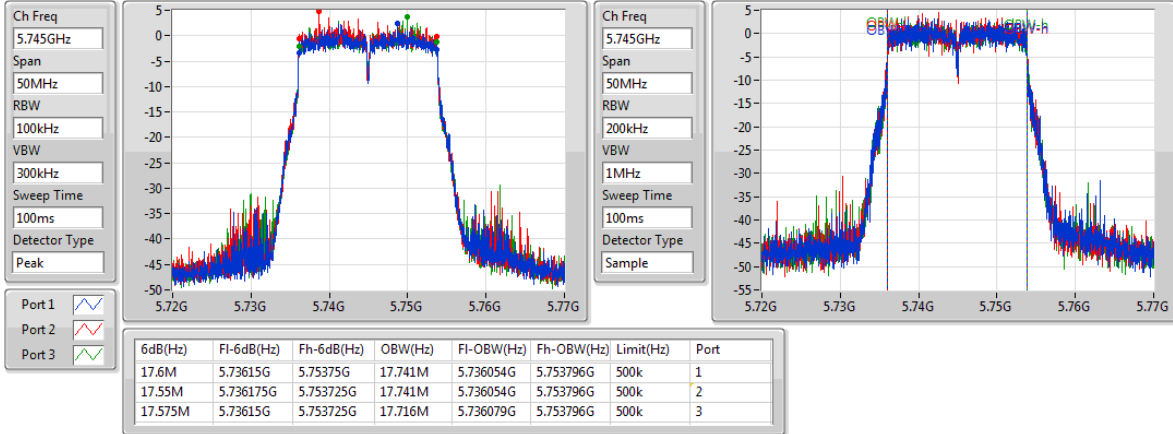
Ch Freq
5.7GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Sample



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

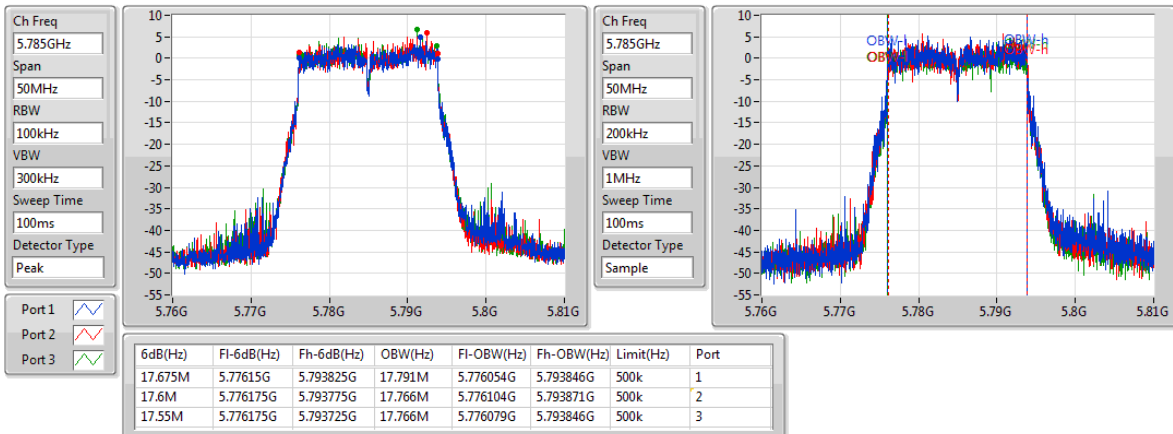
5745MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

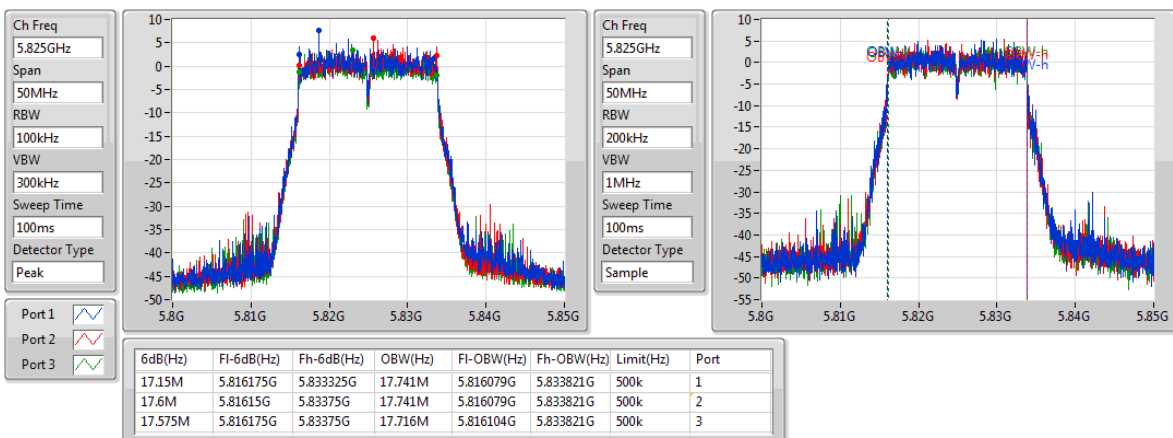
5785MHz



802.11ac VHT20_Nss1,(MCS0)_3TX

EBW

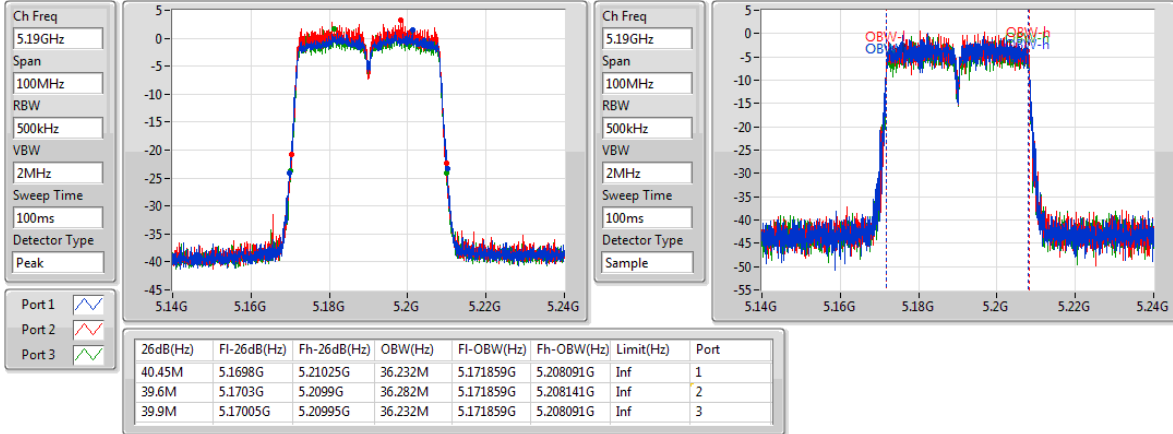
5825MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

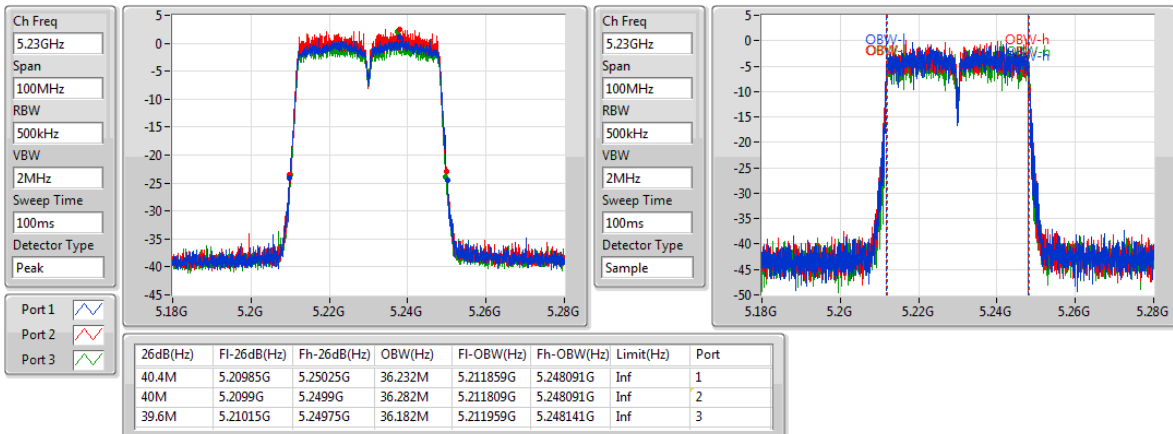
5190MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

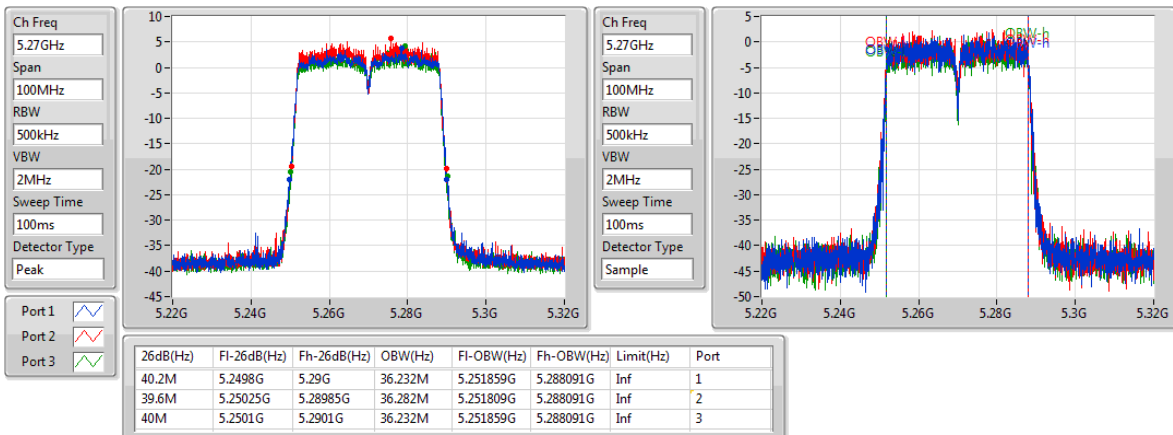
5230MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

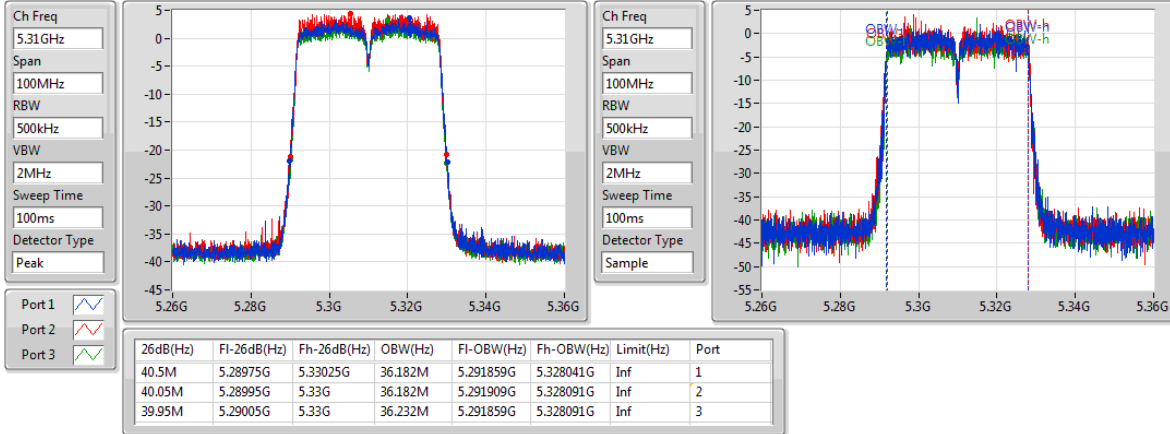
5270MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

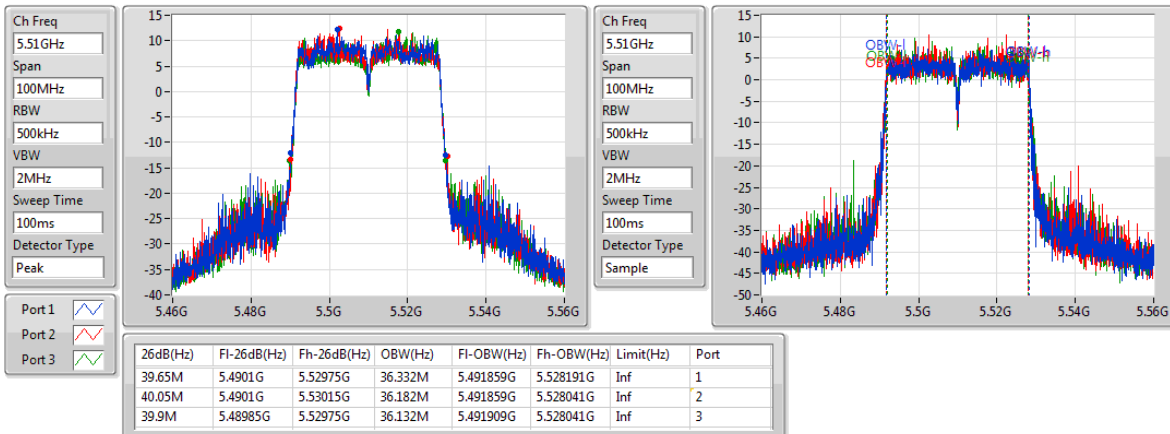
5310MHz



802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

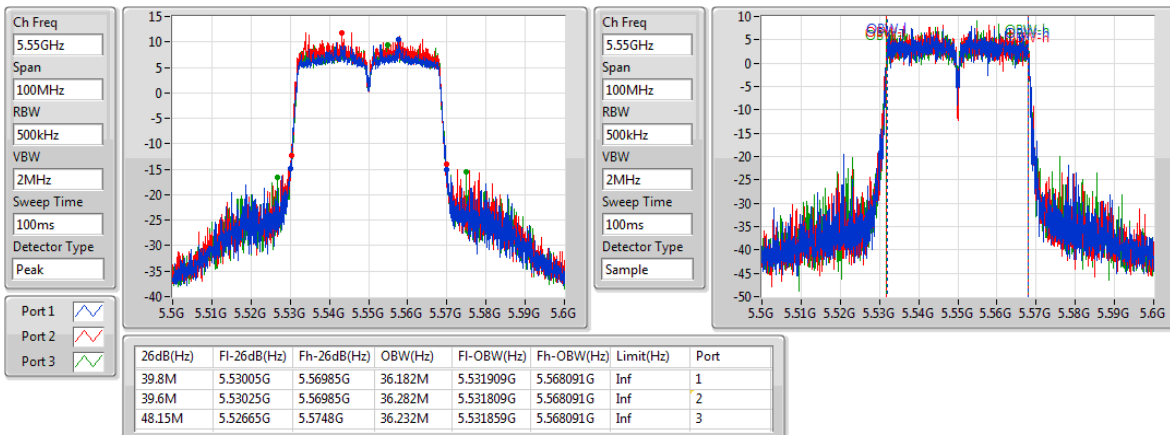
5510MHz

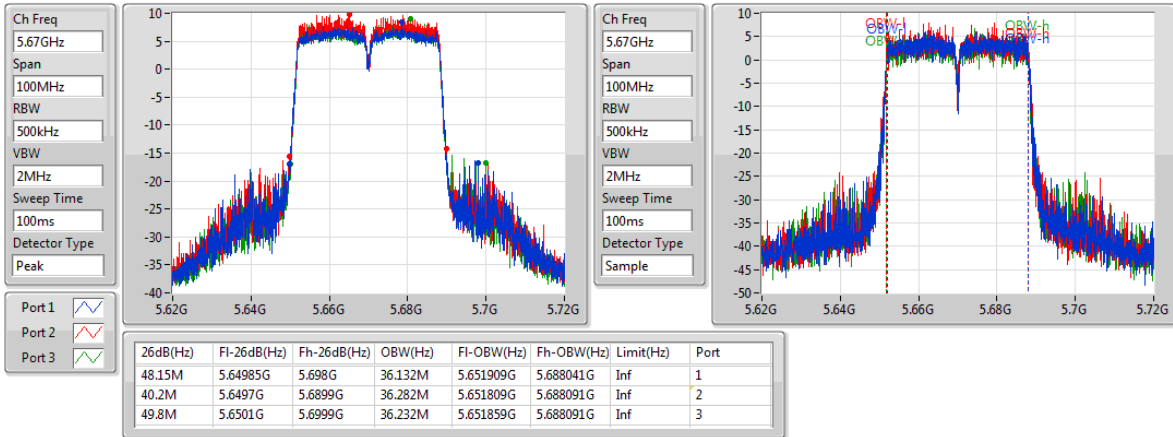
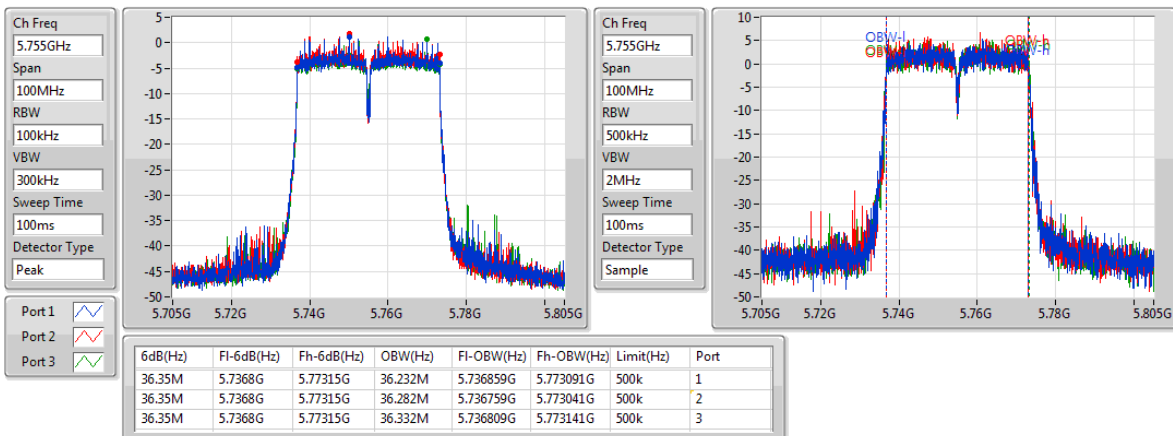
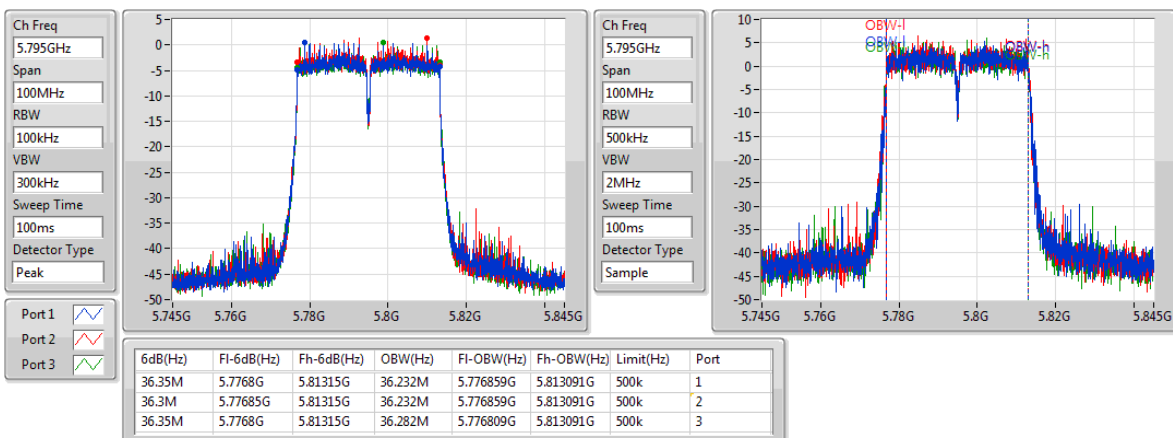


802.11ac VHT40_Nss1,(MCS0)_3TX

EBW

5550MHz

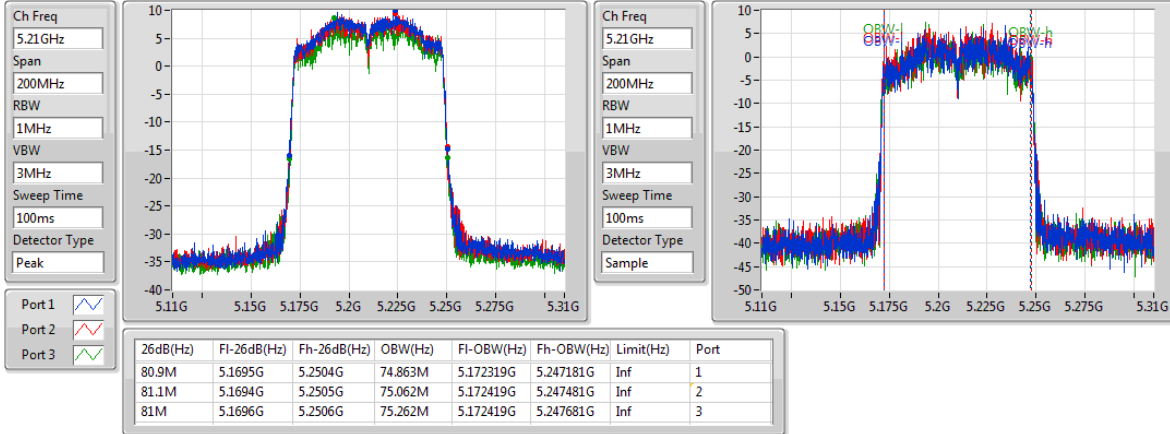


802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5670MHz

802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5755MHz

802.11ac VHT40_Nss1,(MCS0)_3TX
EBW
5795MHz


802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

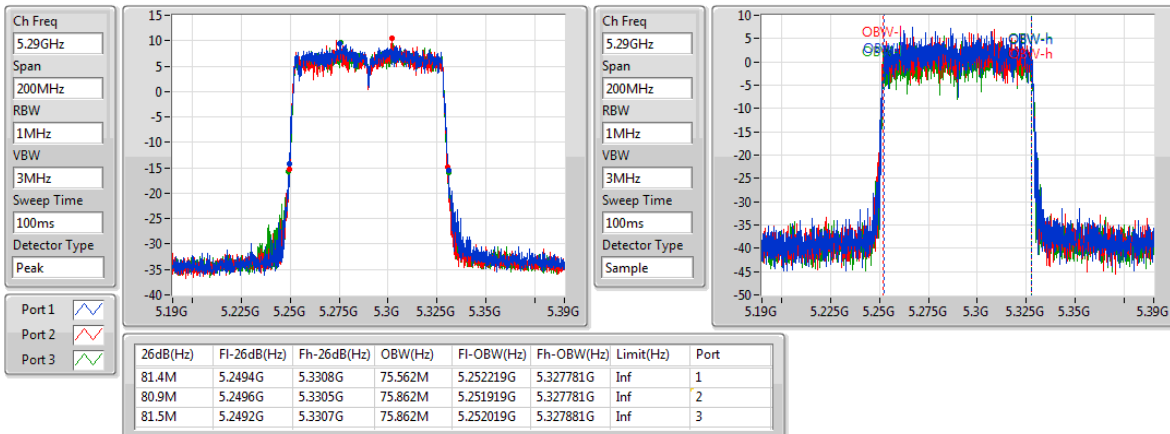
5210MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

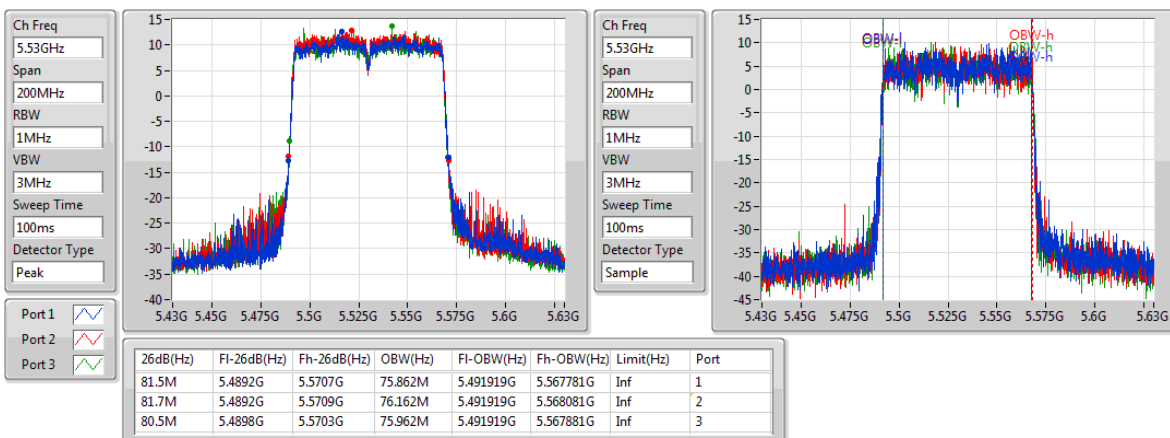
5290MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5530MHz

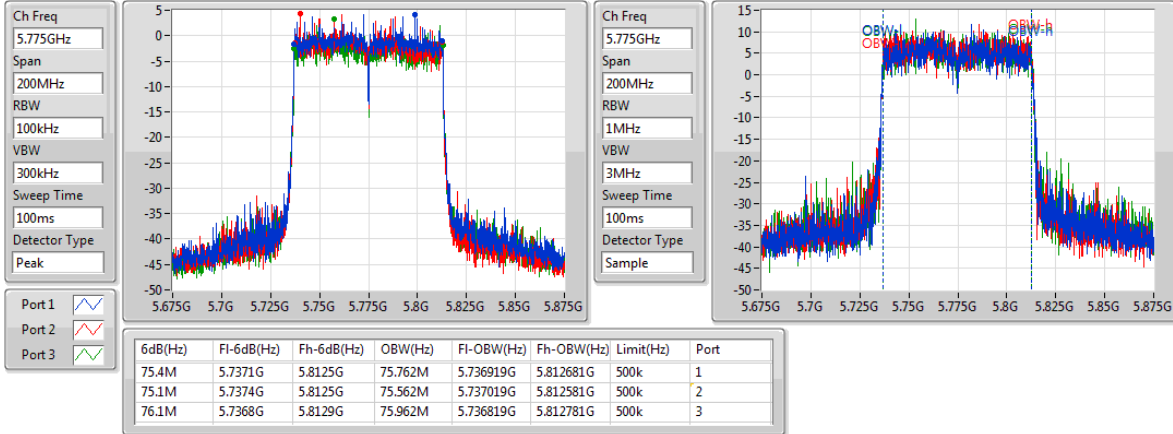




802.11ac VHT80_Nss1,(MCS0)_3TX

EBW

5775MHz



**<Beamforming>
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	21.8M	17.766M	17M8D1D	21.2M	17.716M
5.25-5.35GHz	21.725M	17.791M	17M8D1D	21.175M	17.716M
5.47-5.725GHz	21.9M	17.766M	17M8D1D	21.475M	17.691M
5.725-5.85GHz	17.575M	18.116M	18M1D1D	17.525M	17.891M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	39.9M	36.382M	36M4D1D	39.5M	36.132M
5.25-5.35GHz	40.1M	36.432M	36M4D1D	39.6M	36.182M
5.47-5.725GHz	40.3M	36.332M	36M3D1D	40.05M	36.182M
5.725-5.85GHz	36.35M	36.682M	36M7D1D	35.3M	36.432M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-
5.15-5.25GHz	81.3M	75.362M	75M4D1D	79.9M	75.162M
5.25-5.35GHz	81.4M	75.962M	76M0D1D	80.5M	75.762M
5.47-5.725GHz	82.5M	75.862M	75M9D1D	81.6M	75.662M
5.725-5.85GHz	76M	75.862M	75M9D1D	74.9M	75.762M

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)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	21.65M	17.766M	21.55M	17.741M	21.525M	17.766M
5200MHz_TnomVnom	Pass	Inf	21.65M	17.741M	21.8M	17.741M	21.625M	17.716M
5240MHz_TnomVnom	Pass	Inf	21.65M	17.766M	21.625M	17.741M	21.2M	17.766M
5260MHz_TnomVnom	Pass	Inf	21.725M	17.716M	21.425M	17.791M	21.325M	17.791M
5300MHz_TnomVnom	Pass	Inf	21.6M	17.791M	21.65M	17.741M	21.625M	17.766M
5320MHz_TnomVnom	Pass	Inf	21.375M	17.766M	21.175M	17.791M	21.575M	17.791M
5500MHz_TnomVnom	Pass	Inf	21.675M	17.766M	21.625M	17.741M	21.675M	17.691M
5580MHz_TnomVnom	Pass	Inf	21.75M	17.741M	21.575M	17.741M	21.7M	17.691M
5700MHz_TnomVnom	Pass	Inf	21.9M	17.766M	21.7M	17.741M	21.475M	17.741M
5745MHz_TnomVnom	Pass	500k	17.55M	17.991M	17.55M	18.116M	17.575M	17.916M
5785MHz_TnomVnom	Pass	500k	17.575M	17.966M	17.575M	17.966M	17.575M	18.016M
5825MHz_TnomVnom	Pass	500k	17.525M	17.941M	17.55M	18.091M	17.55M	17.891M
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	39.75M	36.332M	39.75M	36.132M	39.85M	36.182M
5230MHz_TnomVnom	Pass	Inf	39.7M	36.382M	39.9M	36.182M	39.5M	36.232M
5270MHz_TnomVnom	Pass	Inf	39.6M	36.282M	39.6M	36.182M	40.1M	36.282M
5310MHz_TnomVnom	Pass	Inf	39.8M	36.282M	39.8M	36.432M	40.05M	36.332M
5510MHz_TnomVnom	Pass	Inf	40.2M	36.282M	40.25M	36.232M	40.05M	36.232M
5550MHz_TnomVnom	Pass	Inf	40.3M	36.332M	40.15M	36.182M	40.3M	36.282M
5670MHz_TnomVnom	Pass	Inf	40.15M	36.182M	40.05M	36.332M	40.15M	36.232M
5755MHz_TnomVnom	Pass	500k	35.3M	36.532M	36.3M	36.682M	36.3M	36.582M
5795MHz_TnomVnom	Pass	500k	36.35M	36.532M	36.35M	36.582M	36.3M	36.432M
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	81.3M	75.162M	79.9M	75.162M	80.5M	75.362M
5290MHz_TnomVnom	Pass	Inf	81.4M	75.962M	80.6M	75.862M	80.5M	75.762M
5530MHz_TnomVnom	Pass	Inf	81.6M	75.662M	82.5M	75.862M	82.1M	75.862M
5775MHz_TnomVnom	Pass	500k	74.9M	75.762M	76M	75.862M	75.8M	75.862M

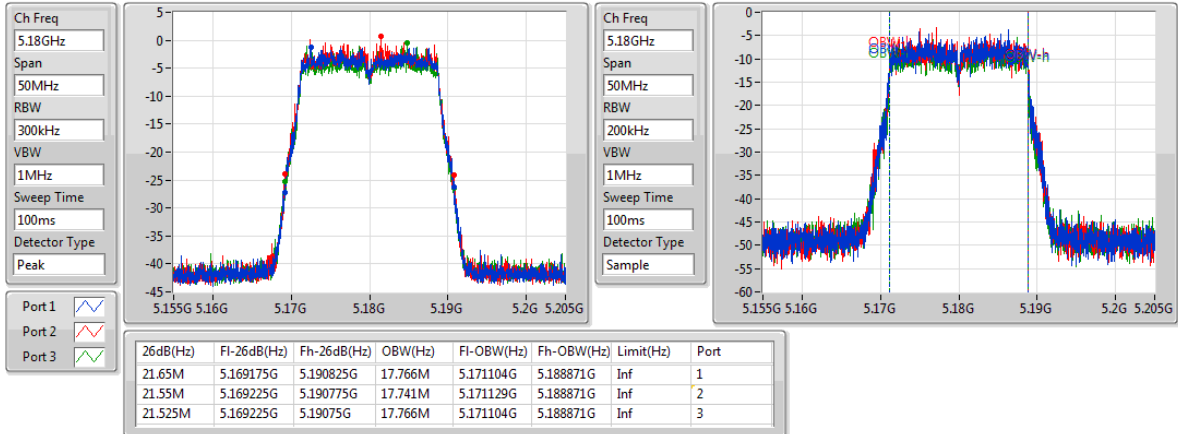
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band**Port X-OBW** = Port X 99% occupied bandwidth;



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

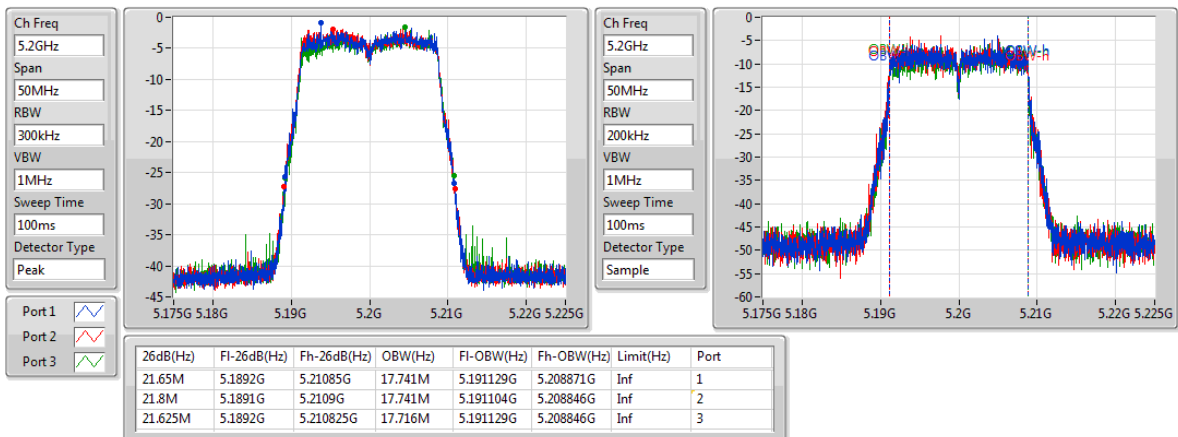
5180MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

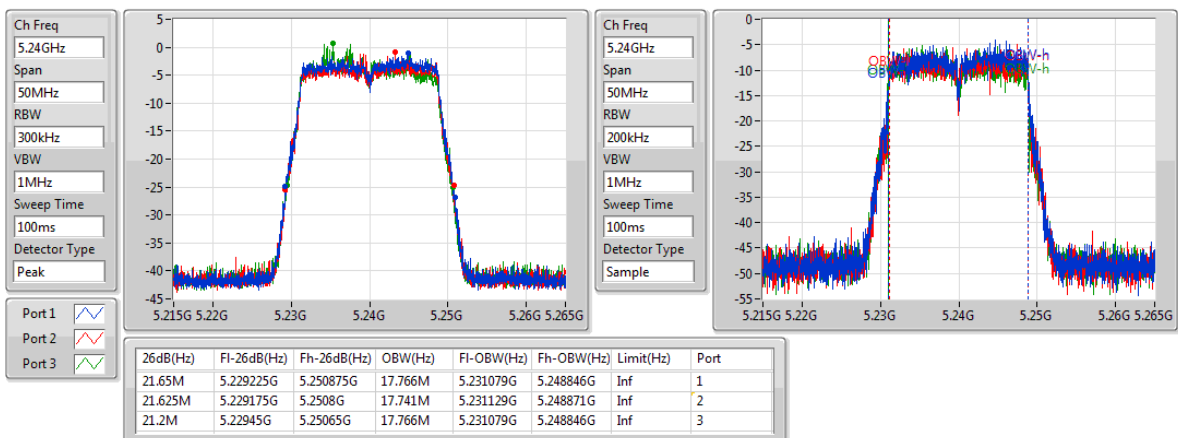
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802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5240MHz

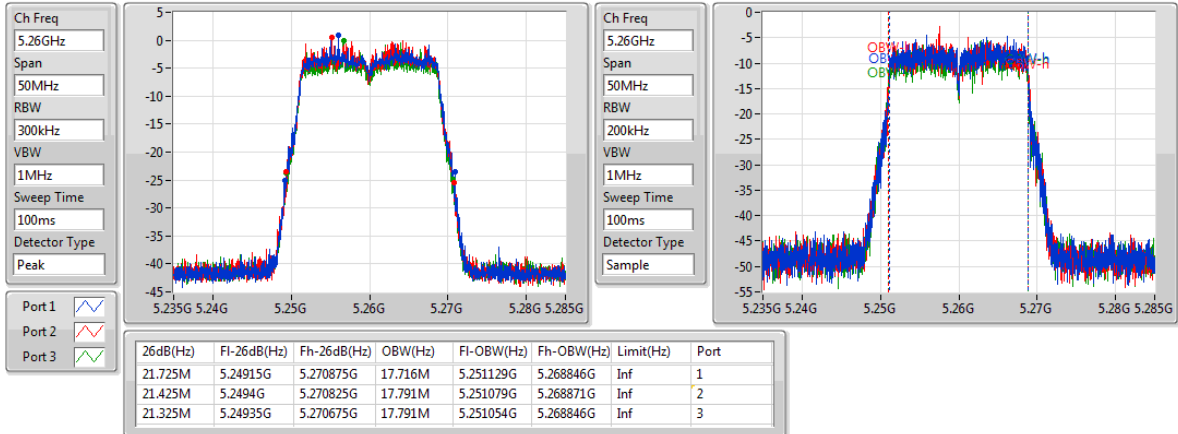




802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

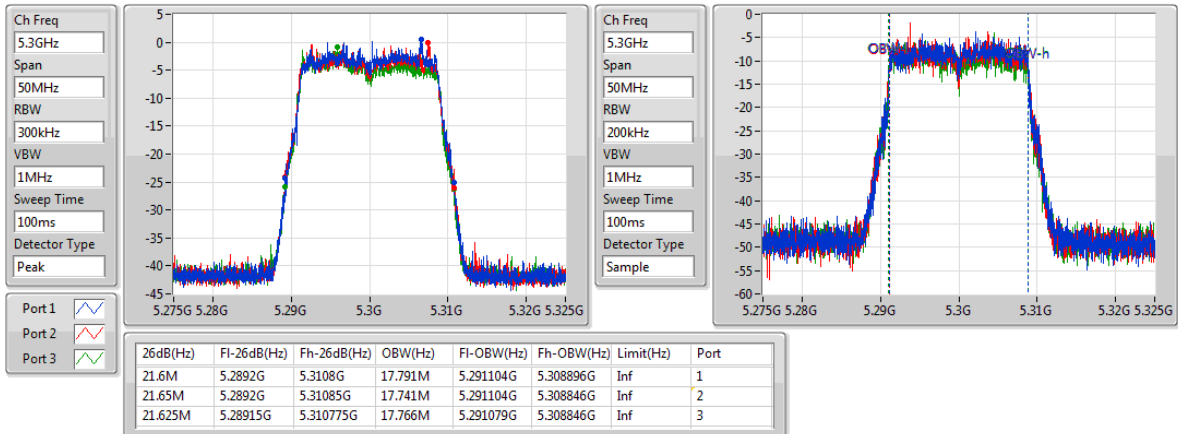
5260MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

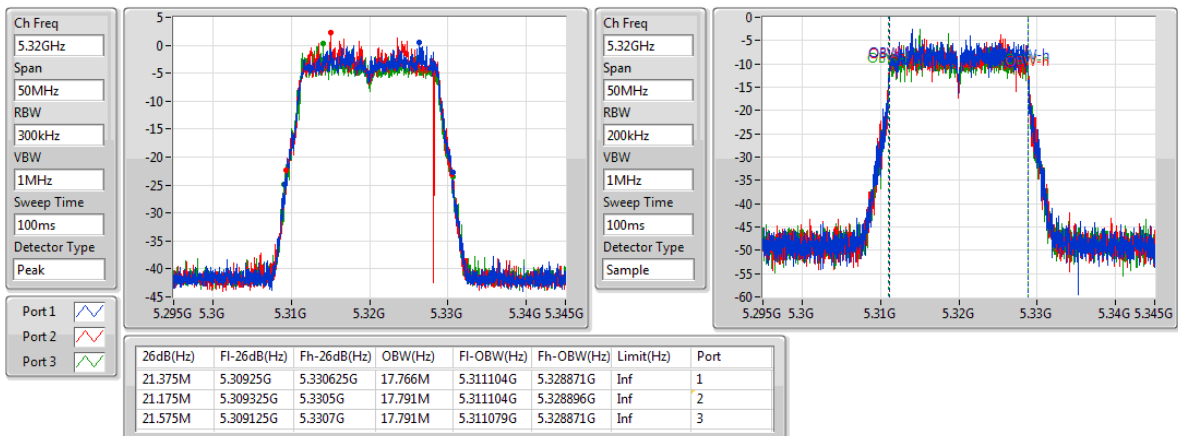
5300MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5320MHz

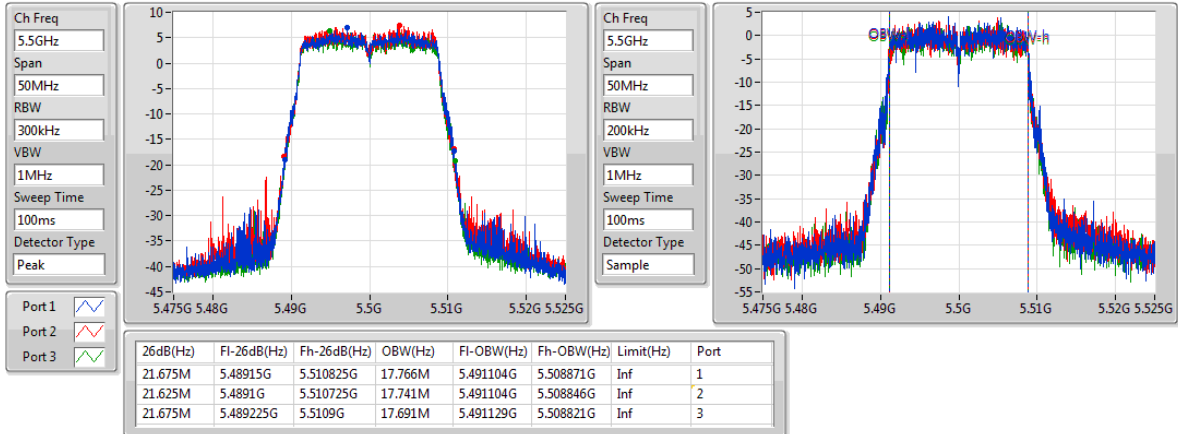




802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

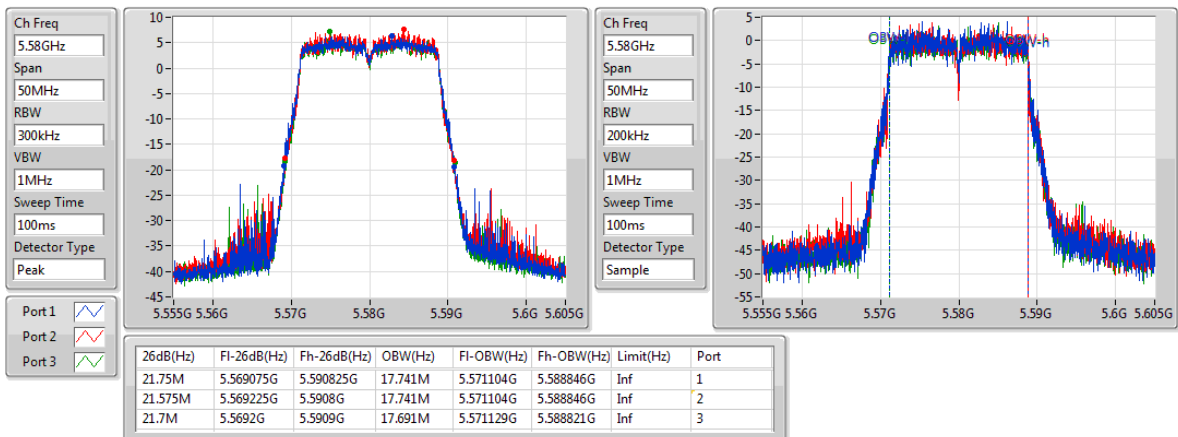
5500MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

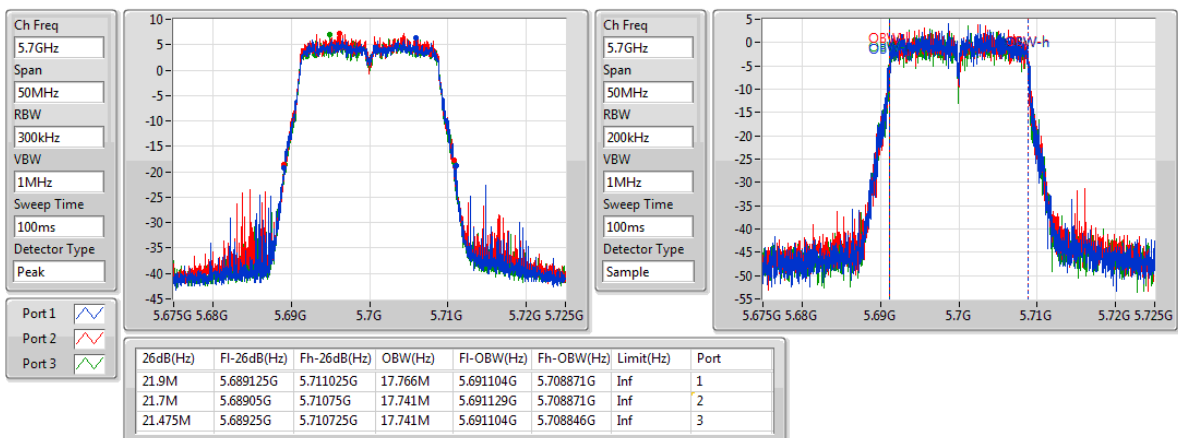
5580MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

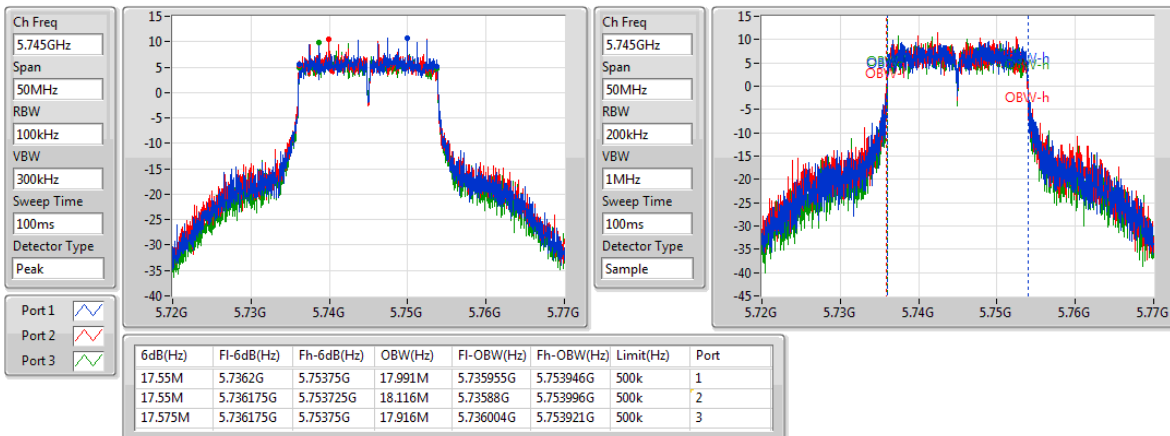
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802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

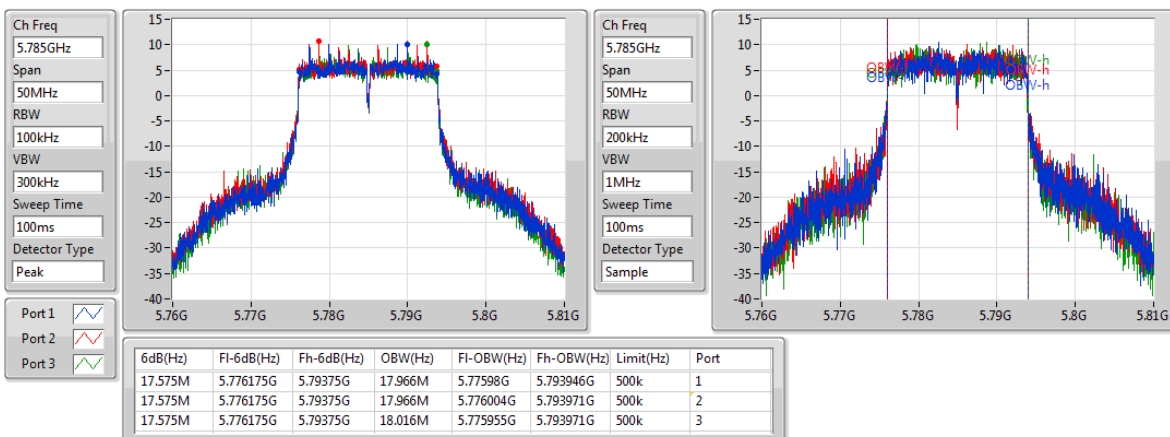
5745MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

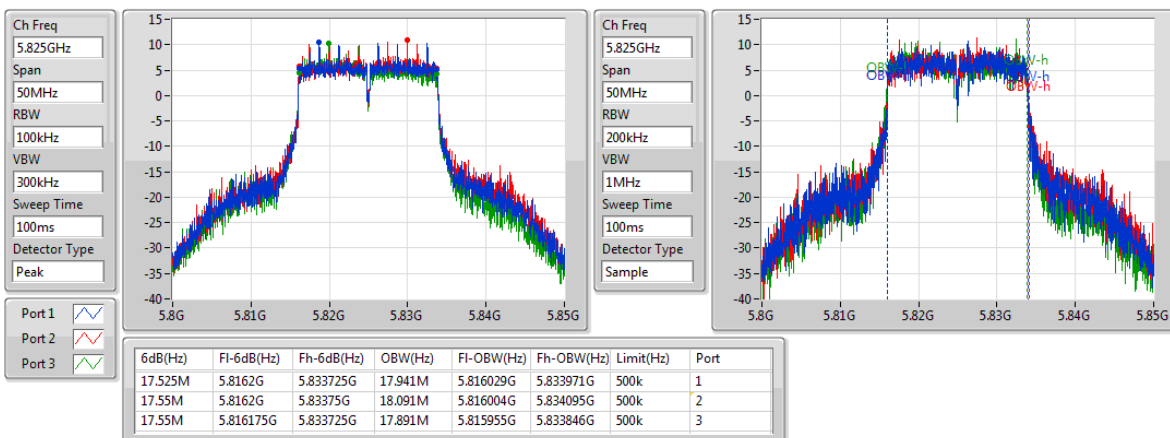
5785MHz



802.11ac VHT20-BF_Nss1,(MCS0)_3TX

EBW

5825MHz

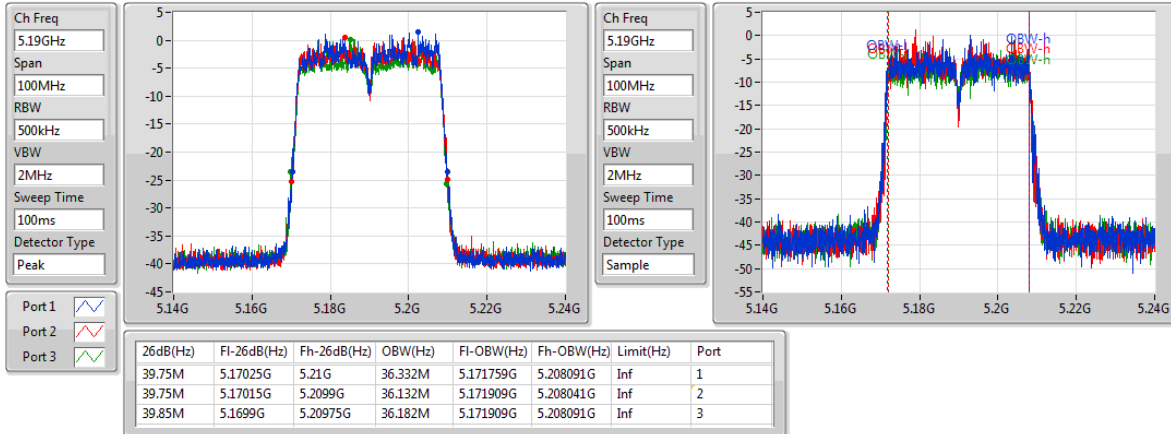




802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

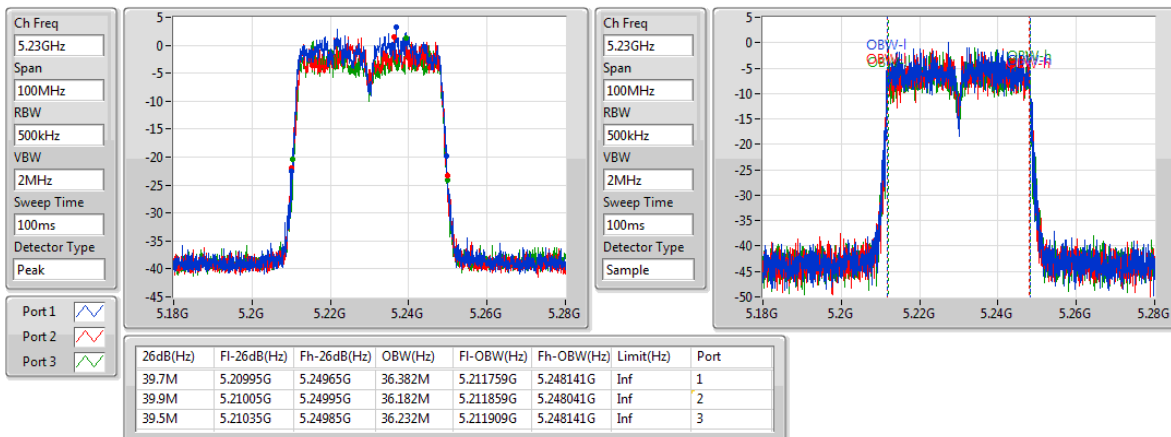
5190MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

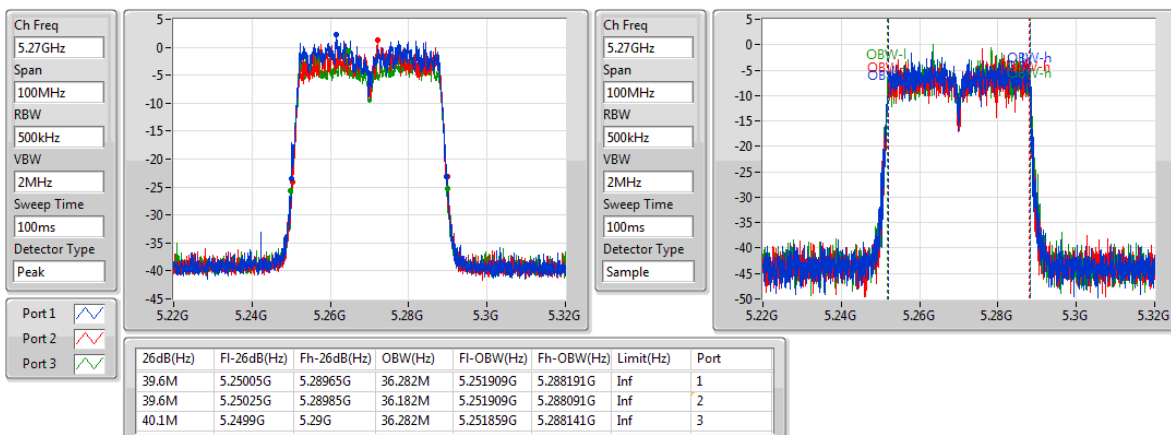
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802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5270MHz

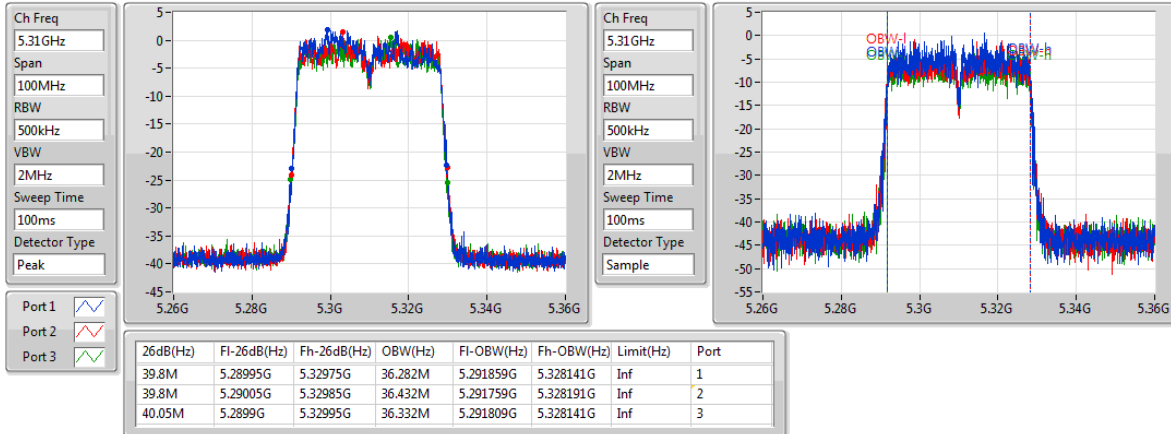




802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

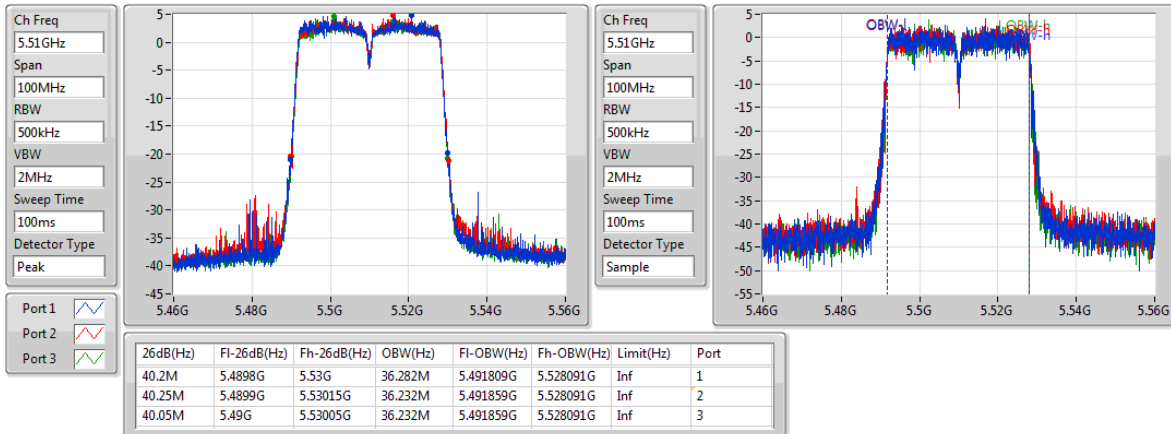
5310MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

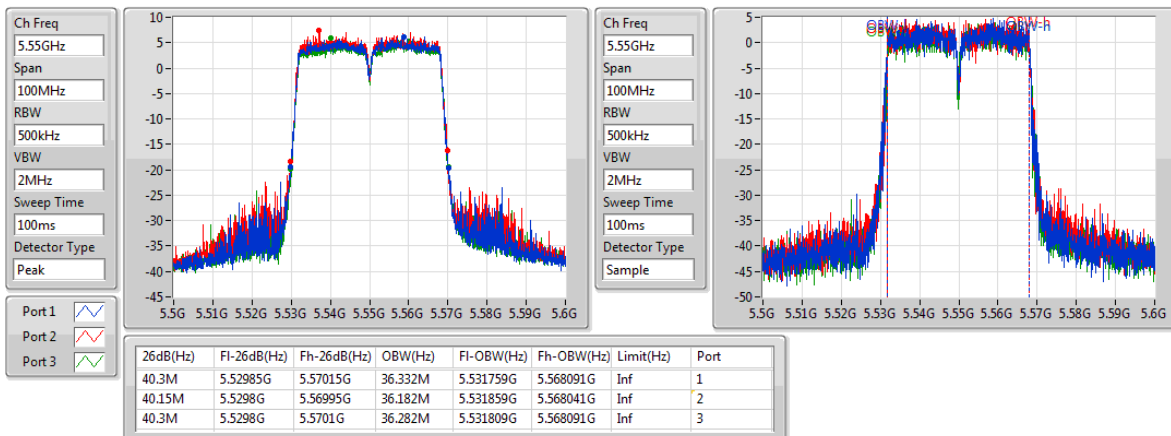
5510MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5550MHz

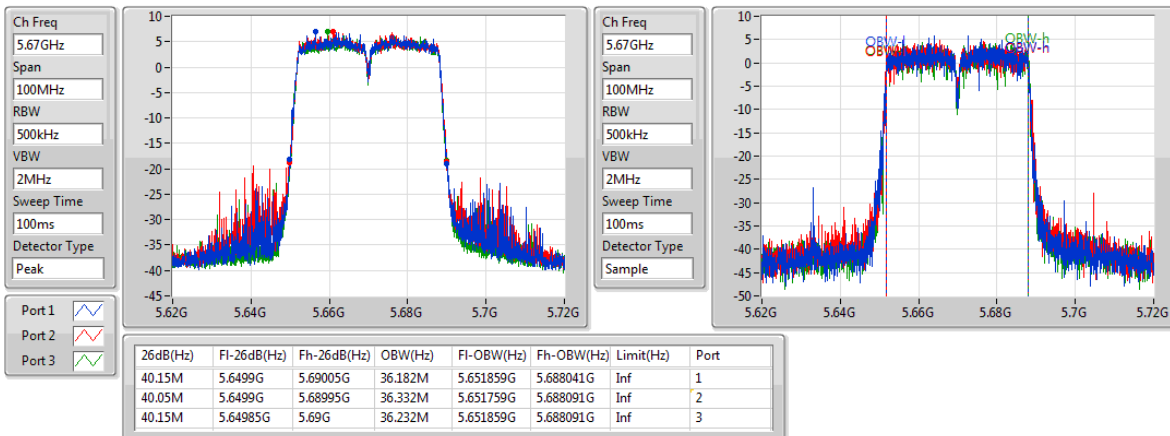




802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

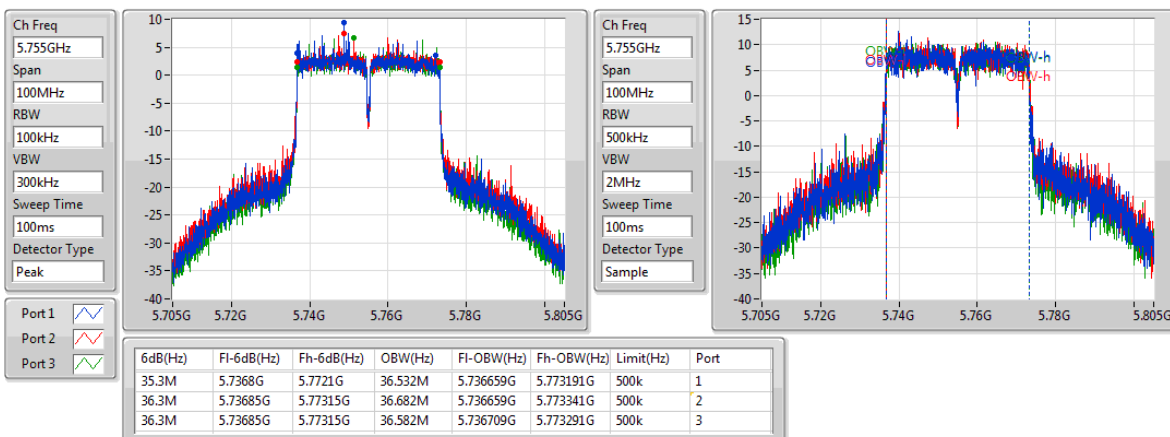
5670MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

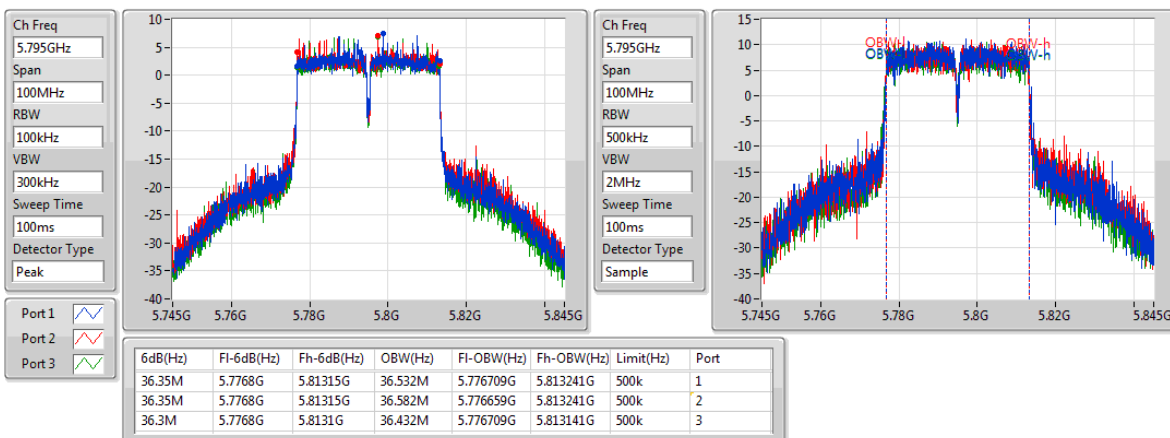
5755MHz



802.11ac VHT40-BF_Nss1,(MCS0)_3TX

EBW

5795MHz

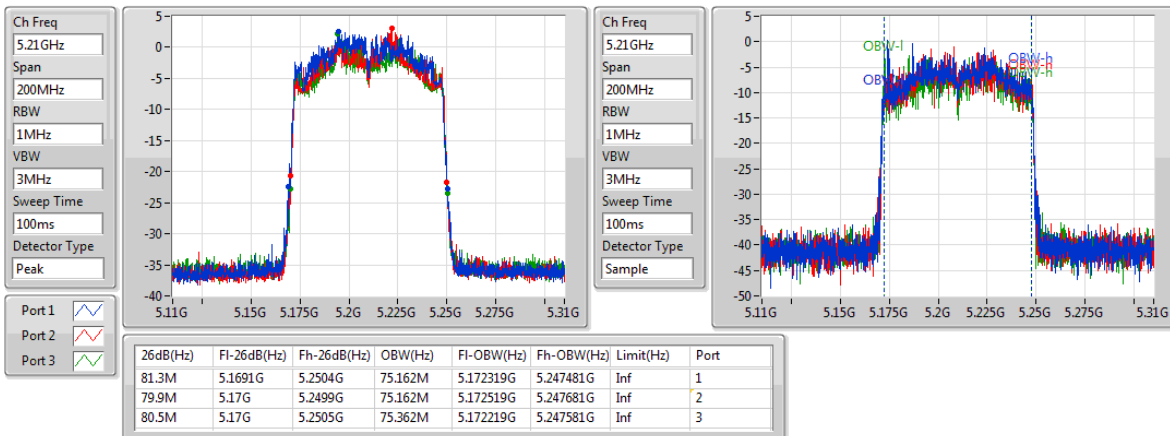




802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

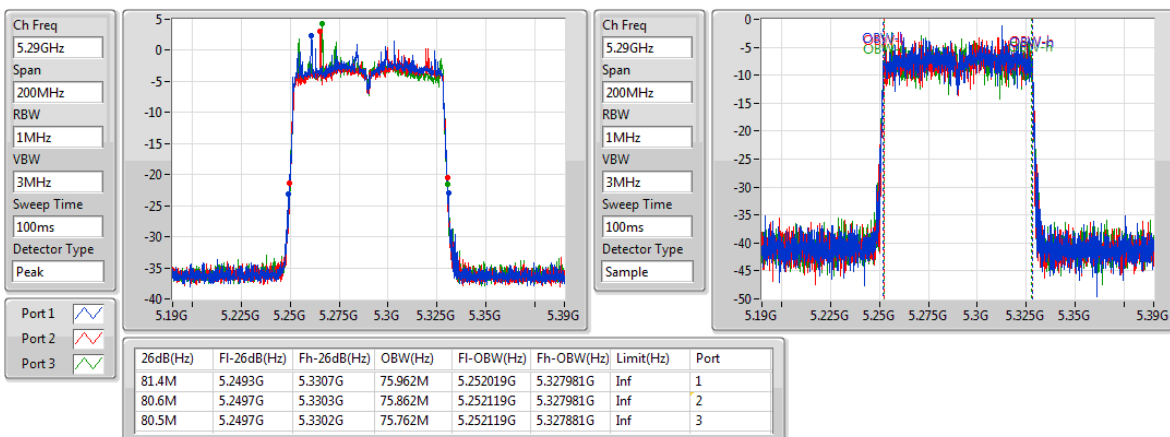
5210MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

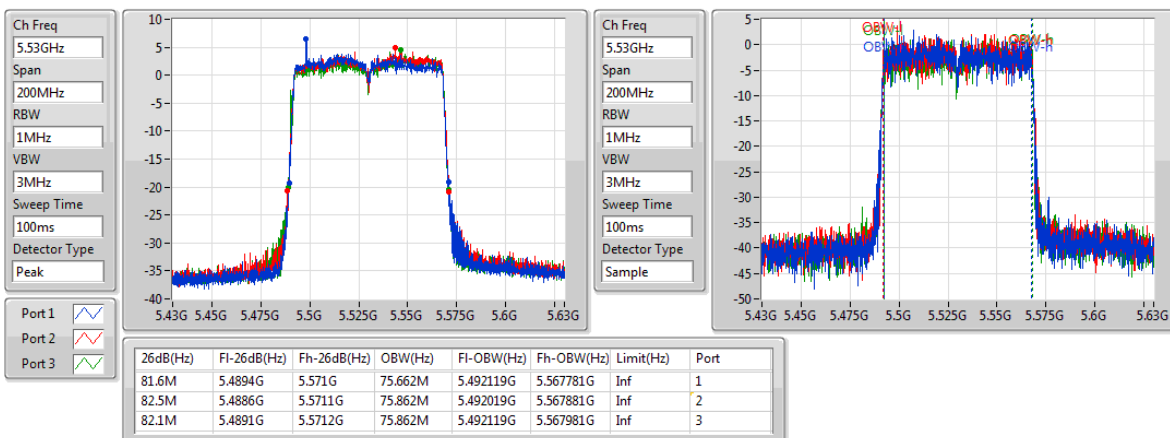
5290MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5530MHz

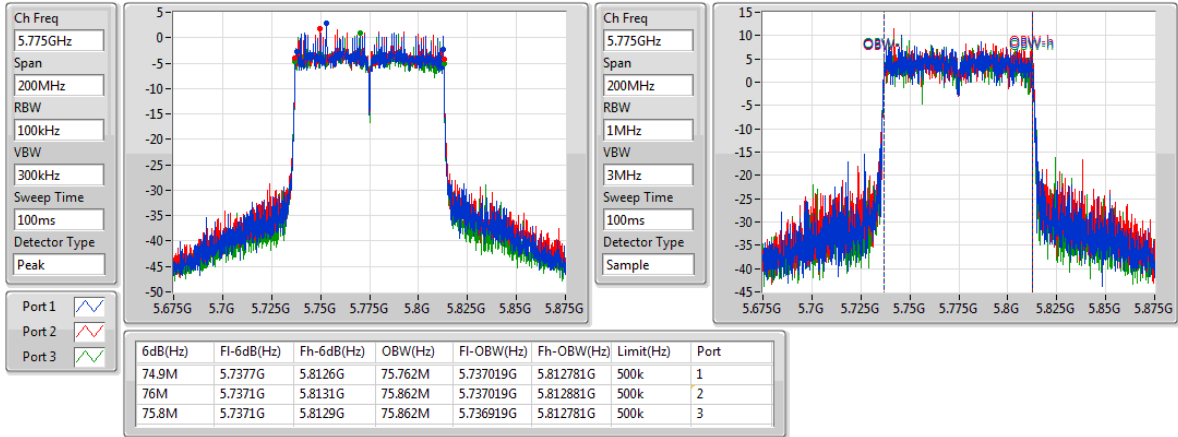




802.11ac VHT80-BF_Nss1,(MCS0)_3TX

EBW

5775MHz



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.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

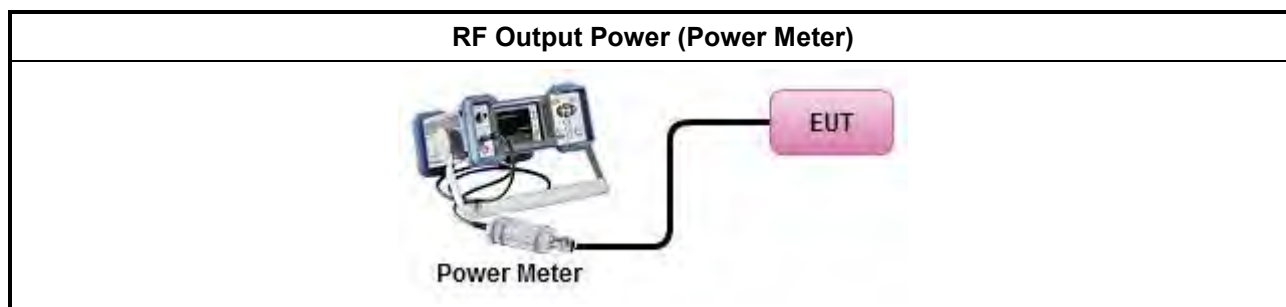
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as 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 KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as 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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

<Non-Beamforming> Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-
5.15-5.25GHz	12.24	0.01675	17.84	0.06081
5.25-5.35GHz	16.74	0.04721	22.34	0.17140
5.47-5.725GHz	19.59	0.09099	25.19	0.33037
5.725-5.85GHz	20.66	0.11641	26.26	0.42267
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	12.41	0.01742	18.01	0.06324
5.25-5.35GHz	17.11	0.05140	22.71	0.18664
5.47-5.725GHz	19.71	0.09354	25.31	0.33963
5.725-5.85GHz	19.85	0.09661	25.45	0.35075
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	15.55	0.03589	21.15	0.13032
5.25-5.35GHz	17.26	0.05321	22.86	0.19320
5.47-5.725GHz	23.08	0.20324	28.68	0.73790
5.725-5.85GHz	19.69	0.09311	25.29	0.33806
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	17.19	0.05236	22.79	0.19011
5.25-5.35GHz	17.32	0.05395	22.92	0.19588
5.47-5.725GHz	21.33	0.13583	26.93	0.49317
5.725-5.85GHz	21.04	0.12706	26.64	0.46132



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.60	7.42	7.68	7.31	12.24	30.00	17.84	36.00
5200MHz_TnomVnom	Pass	5.60	7.03	7.19	7.06	11.87	30.00	17.47	36.00
5240MHz_TnomVnom	Pass	5.60	7.22	7.63	6.67	11.96	30.00	17.56	36.00
5260MHz_TnomVnom	Pass	5.60	11.92	11.97	11.83	16.68	23.98	22.28	29.98
5300MHz_TnomVnom	Pass	5.60	11.91	11.94	11.76	16.64	23.98	22.24	29.98
5320MHz_TnomVnom	Pass	5.60	12.06	12.04	11.80	16.74	23.98	22.34	29.98
5500MHz_TnomVnom	Pass	5.60	14.94	14.95	14.55	19.59	23.98	25.19	29.98
5580MHz_TnomVnom	Pass	5.60	14.59	14.50	14.19	19.20	23.98	24.80	29.98
5700MHz_TnomVnom	Pass	5.60	14.33	14.22	13.76	18.88	23.98	24.48	29.98
5745MHz_TnomVnom	Pass	5.60	15.97	16.19	15.47	20.66	30.00	26.26	36.00
5785MHz_TnomVnom	Pass	5.60	16.03	15.99	15.30	20.56	30.00	26.16	36.00
5825MHz_TnomVnom	Pass	5.60	15.98	16.16	15.31	20.60	30.00	26.20	36.00
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	5.60	7.72	7.92	7.26	12.41	30.00	18.01	36.00
5200MHz_TnomVnom	Pass	5.60	7.15	7.41	6.95	11.95	30.00	17.55	36.00
5240MHz_TnomVnom	Pass	5.60	7.54	7.73	7.13	12.25	30.00	17.85	36.00
5260MHz_TnomVnom	Pass	5.60	12.15	12.30	12.06	16.94	23.98	22.54	29.98
5300MHz_TnomVnom	Pass	5.60	12.02	12.29	11.97	16.87	23.98	22.47	29.98
5320MHz_TnomVnom	Pass	5.60	12.33	12.56	12.10	17.11	23.98	22.71	29.98
5500MHz_TnomVnom	Pass	5.60	15.09	15.04	14.68	19.71	23.98	25.31	29.98
5580MHz_TnomVnom	Pass	5.60	14.78	14.82	14.35	19.43	23.98	25.03	29.98
5700MHz_TnomVnom	Pass	5.60	14.36	14.21	14.12	19.00	23.98	24.60	29.98
5745MHz_TnomVnom	Pass	5.60	15.12	15.43	14.66	19.85	30.00	25.45	36.00
5785MHz_TnomVnom	Pass	5.60	14.92	15.08	14.50	19.61	30.00	25.21	36.00
5825MHz_TnomVnom	Pass	5.60	15.12	15.51	14.44	19.82	30.00	25.42	36.00
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	5.60	10.95	11.07	10.26	15.55	30.00	21.15	36.00
5230MHz_TnomVnom	Pass	5.60	10.62	10.67	10.08	15.24	30.00	20.84	36.00
5270MHz_TnomVnom	Pass	5.60	12.48	12.48	12.37	17.21	23.98	22.81	29.98
5310MHz_TnomVnom	Pass	5.60	12.53	12.46	12.47	17.26	23.98	22.86	29.98
5510MHz_TnomVnom	Pass	5.60	17.93	17.83	17.68	22.59	23.98	28.19	29.98
5550MHz_TnomVnom	Pass	5.60	18.28	18.44	18.19	23.08	23.98	28.68	29.98
5670MHz_TnomVnom	Pass	5.60	17.95	17.72	17.57	22.52	23.98	28.12	29.98
5755MHz_TnomVnom	Pass	5.60	15.09	15.25	14.37	19.69	30.00	25.29	36.00
5795MHz_TnomVnom	Pass	5.60	15.02	15.18	14.31	19.62	30.00	25.22	36.00
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	5.60	12.62	12.55	12.05	17.19	30.00	22.79	36.00
5290MHz_TnomVnom	Pass	5.60	12.37	12.65	12.63	17.32	23.98	22.92	29.98
5530MHz_TnomVnom	Pass	5.60	16.45	16.75	16.48	21.33	23.98	26.93	29.98
5775MHz_TnomVnom	Pass	5.60	16.19	16.64	15.94	21.04	30.00	26.64	36.00

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

**<Beamforming>
Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	12.04	0.01600	22.06	0.16069
5.25-5.35GHz	12.51	0.01782	22.53	0.17906
5.47-5.725GHz	18.94	0.07834	28.96	0.78705
5.725-5.85GHz	25.84	0.38371	35.86	3.85478
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	12.58	0.01811	22.60	0.18197
5.25-5.35GHz	12.44	0.01754	22.46	0.17620
5.47-5.725GHz	19.83	0.09616	29.85	0.96605
5.725-5.85GHz	25.84	0.38371	35.86	3.85478
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-
5.15-5.25GHz	12.44	0.01754	22.46	0.17620
5.25-5.35GHz	12.47	0.01766	22.50	0.17783
5.47-5.725GHz	16.66	0.04634	26.69	0.46666
5.725-5.85GHz	22.81	0.19099	32.83	1.91867

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.02	7.17	6.66	6.73	11.63	25.98	21.65	36.00
5200MHz_TnomVnom	Pass	10.02	7.18	6.40	7.19	11.71	25.98	21.73	36.00
5240MHz_TnomVnom	Pass	10.02	7.36	7.38	7.05	12.04	25.98	22.06	36.00
5260MHz_TnomVnom	Pass	10.02	8.49	7.78	6.77	12.51	19.96	22.53	29.98
5300MHz_TnomVnom	Pass	10.02	8.46	7.76	6.76	12.49	19.96	22.51	29.98
5320MHz_TnomVnom	Pass	10.02	8.50	7.77	6.78	12.51	19.96	22.53	29.98
5500MHz_TnomVnom	Pass	10.02	13.81	13.39	13.48	18.33	19.96	28.36	29.98
5580MHz_TnomVnom	Pass	10.02	14.28	14.29	13.93	18.94	19.96	28.96	29.98
5700MHz_TnomVnom	Pass	10.02	13.96	14.51	13.95	18.92	19.96	28.94	29.98
5745MHz_TnomVnom	Pass	10.02	21.21	21.00	20.99	25.84	25.98	35.86	36.00
5785MHz_TnomVnom	Pass	10.02	20.77	21.18	20.81	25.70	25.98	35.72	36.00
5825MHz_TnomVnom	Pass	10.02	21.02	21.30	20.86	25.84	25.98	35.86	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.02	8.12	7.82	7.46	12.58	25.98	22.60	36.00
5230MHz_TnomVnom	Pass	10.02	8.12	7.81	7.45	12.57	25.98	22.60	36.00
5270MHz_TnomVnom	Pass	10.02	8.03	7.73	7.18	12.43	19.96	22.45	36.00
5310MHz_TnomVnom	Pass	10.02	8.04	7.74	7.18	12.44	19.96	22.46	29.98
5510MHz_TnomVnom	Pass	10.02	12.58	12.94	12.89	17.58	19.96	27.60	29.98
5550MHz_TnomVnom	Pass	10.02	15.34	14.85	14.87	19.80	19.96	29.82	29.98
5670MHz_TnomVnom	Pass	10.02	15.04	15.29	14.84	19.83	19.96	29.85	29.98
5755MHz_TnomVnom	Pass	10.02	21.23	21.18	20.78	25.84	25.98	35.86	29.98
5795MHz_TnomVnom	Pass	10.02	21.10	20.97	20.78	25.72	25.98	35.75	29.98
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.02	8.15	7.33	7.47	12.44	25.98	22.46	36.00
5290MHz_TnomVnom	Pass	10.02	8.30	7.54	7.19	12.47	19.96	22.50	29.98
5530MHz_TnomVnom	Pass	10.02	11.94	12.22	11.49	16.66	19.96	26.69	29.98
5775MHz_TnomVnom	Pass	10.02	18.06	18.33	17.70	22.81	25.98	32.83	36.00

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

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.
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.	

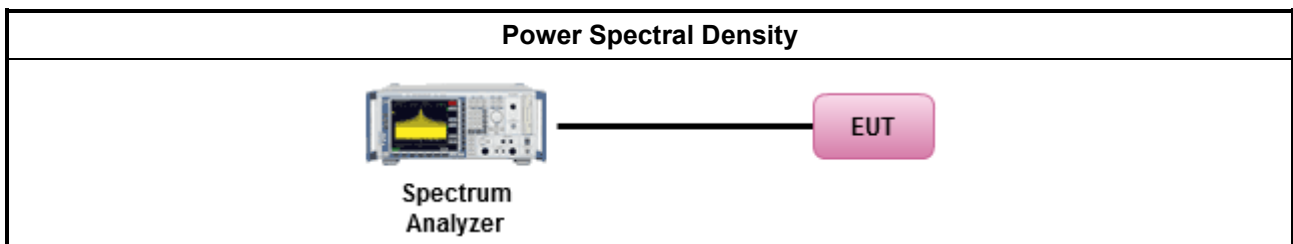
3.4.2 Measuring Instruments

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 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%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as 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:	
☒ Measure and sum the spectra across the outputs. Refer as 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.	
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

<Non-Beamforming>

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-
5.15-5.25GHz	-0.43	9.59
5.25-5.35GHz	3.98	14.00
5.47-5.725GHz	6.13	16.15
5.725-5.85GHz	7.03	17.05
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	-0.31	9.71
5.25-5.35GHz	5.51	15.53
5.47-5.725GHz	6.53	16.55
5.725-5.85GHz	6.08	16.10
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	-1.22	8.80
5.25-5.35GHz	1.93	11.95
5.47-5.725GHz	6.56	16.58
5.725-5.85GHz	4.17	14.19
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	-0.51	9.51
5.25-5.35GHz	0.48	10.50
5.47-5.725GHz	4.80	14.82
5.725-5.85GHz	4.52	14.54

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)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.02	-4.77	-4.53	-5.60	-0.71	12.98	9.31	Inf
5200MHz_TnomVnom	Pass	10.02	-4.77	-4.97	-5.35	-0.43	12.98	9.59	Inf
5240MHz_TnomVnom	Pass	10.02	-4.88	-4.73	-5.59	-0.54	12.98	9.48	Inf
5260MHz_TnomVnom	Pass	10.02	-0.55	-0.70	-1.40	3.62	6.98	13.64	Inf
5300MHz_TnomVnom	Pass	10.02	-0.65	-0.51	-1.00	3.90	6.98	13.92	Inf
5320MHz_TnomVnom	Pass	10.02	-0.55	-0.33	-0.69	3.98	6.98	14.00	Inf
5500MHz_TnomVnom	Pass	10.02	1.87	1.76	1.31	6.13	6.98	16.15	Inf
5580MHz_TnomVnom	Pass	10.02	1.52	1.40	1.21	5.87	6.98	15.89	Inf
5700MHz_TnomVnom	Pass	10.02	1.17	1.08	0.88	5.52	6.98	15.54	Inf
5745MHz_TnomVnom	Pass	10.02	2.71	2.69	2.43	7.03	25.98	17.05	Inf
5785MHz_TnomVnom	Pass	10.02	2.45	2.40	2.10	6.72	25.98	16.74	Inf
5825MHz_TnomVnom	Pass	10.02	2.68	2.79	2.43	6.95	25.98	16.97	Inf
802.11ac_VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.02	-4.47	-5.20	-4.09	-0.31	12.98	9.71	Inf
5200MHz_TnomVnom	Pass	10.02	-4.86	-4.91	-5.60	-0.71	12.98	9.31	Inf
5240MHz_TnomVnom	Pass	10.02	-4.63	-4.67	-5.65	-0.58	12.98	9.44	Inf
5260MHz_TnomVnom	Pass	10.02	-0.25	-0.49	-1.31	3.72	6.98	13.74	Inf
5300MHz_TnomVnom	Pass	10.02	-0.48	-0.38	-0.99	3.93	6.98	13.95	Inf
5320MHz_TnomVnom	Pass	10.02	1.42	0.71	1.15	5.51	6.98	15.53	Inf
5500MHz_TnomVnom	Pass	10.02	1.92	2.64	1.69	6.53	6.98	16.55	Inf
5580MHz_TnomVnom	Pass	10.02	1.32	2.65	1.60	6.42	6.98	16.44	Inf
5700MHz_TnomVnom	Pass	10.02	2.12	1.79	2.43	6.44	6.98	16.46	Inf
5745MHz_TnomVnom	Pass	10.02	1.46	1.67	1.47	6.08	25.98	16.10	Inf
5785MHz_TnomVnom	Pass	10.02	1.50	1.41	2.11	6.04	25.98	16.06	Inf
5825MHz_TnomVnom	Pass	10.02	1.45	1.69	1.42	5.94	25.98	15.96	Inf
802.11ac_VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.02	-5.61	-5.75	-6.53	-1.22	12.98	8.80	Inf
5230MHz_TnomVnom	Pass	10.02	-5.97	-5.86	-6.70	-1.45	12.98	8.57	Inf
5270MHz_TnomVnom	Pass	10.02	-3.54	-3.49	-4.36	0.94	6.98	10.96	Inf
5310MHz_TnomVnom	Pass	10.02	-0.97	-1.62	-3.30	1.93	6.98	11.95	Inf
5510MHz_TnomVnom	Pass	10.02	1.29	1.56	1.22	5.84	6.98	15.86	Inf
5550MHz_TnomVnom	Pass	10.02	1.87	2.50	2.05	6.56	6.98	16.58	Inf
5670MHz_TnomVnom	Pass	10.02	1.48	1.84	1.27	5.96	6.98	15.98	Inf
5755MHz_TnomVnom	Pass	10.02	-1.93	1.61	-2.17	4.17	25.98	14.19	Inf
5795MHz_TnomVnom	Pass	10.02	-2.00	-1.68	-2.23	2.77	25.98	12.79	Inf
802.11ac_VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.02	-3.21	-4.72	-5.74	-0.51	12.98	9.51	Inf
5290MHz_TnomVnom	Pass	10.02	-2.89	-3.79	-3.08	0.48	6.98	10.50	Inf
5530MHz_TnomVnom	Pass	10.02	-0.22	0.86	0.45	4.80	6.98	14.82	Inf
5775MHz_TnomVnom	Pass	10.02	0.24	1.00	0.66	4.52	25.98	14.54	Inf

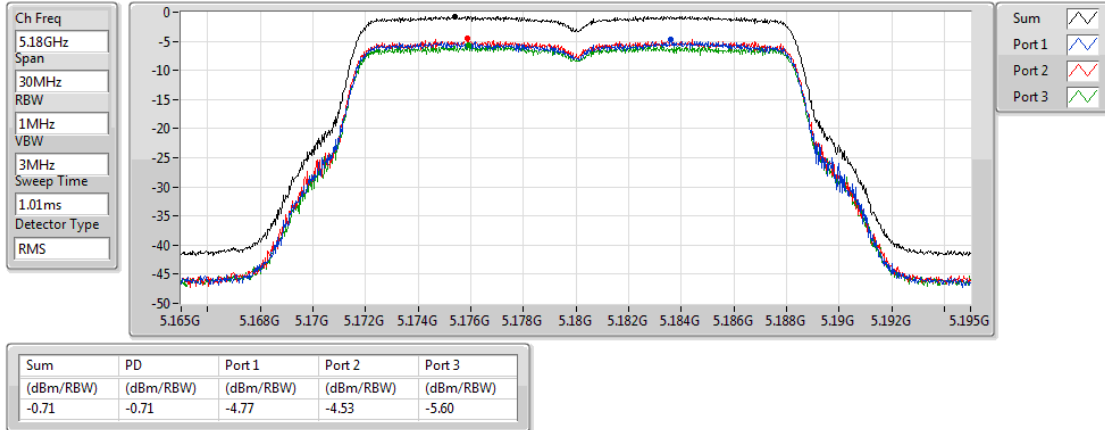
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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)_3TX

PSD

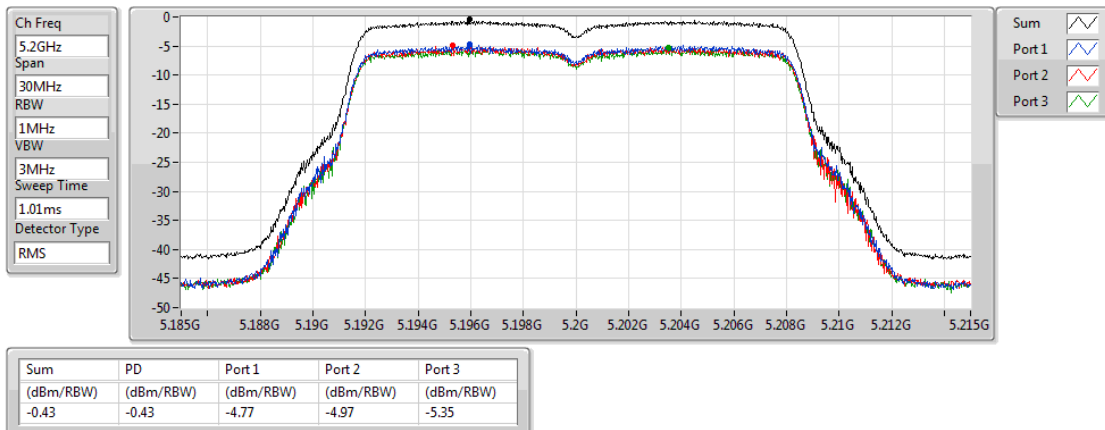
5180MHz



802.11a_Nss1,(6Mbps)_3TX

PSD

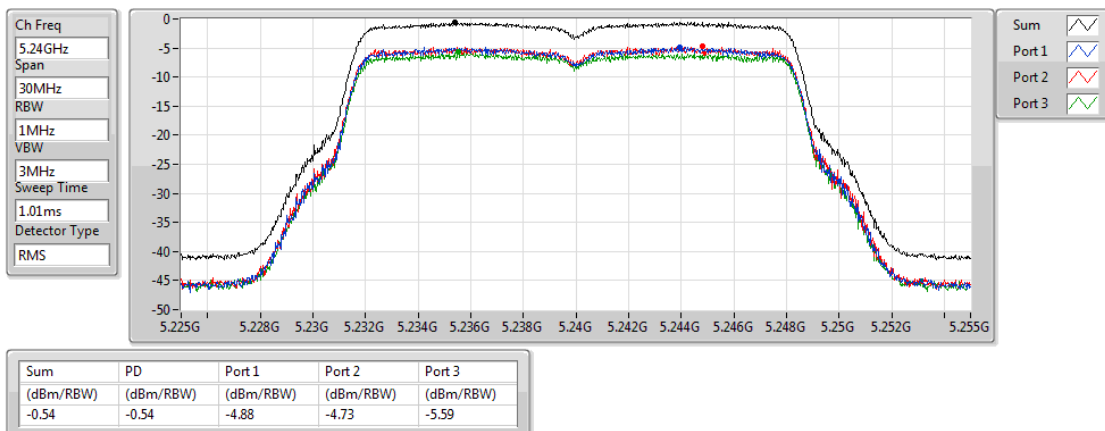
5200MHz

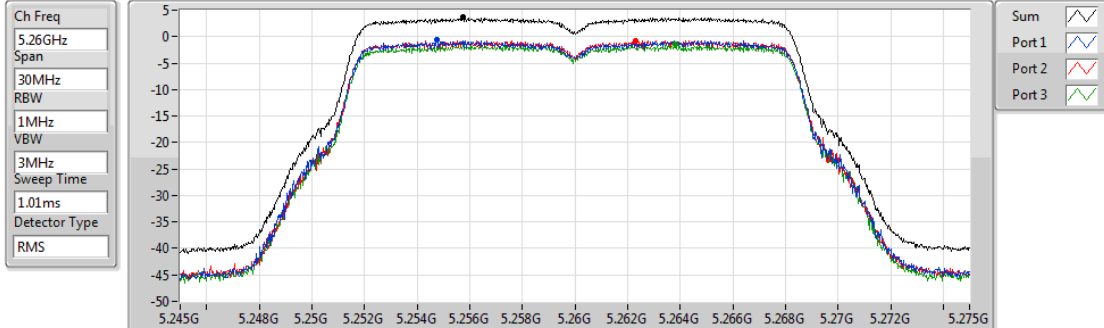


802.11a_Nss1,(6Mbps)_3TX

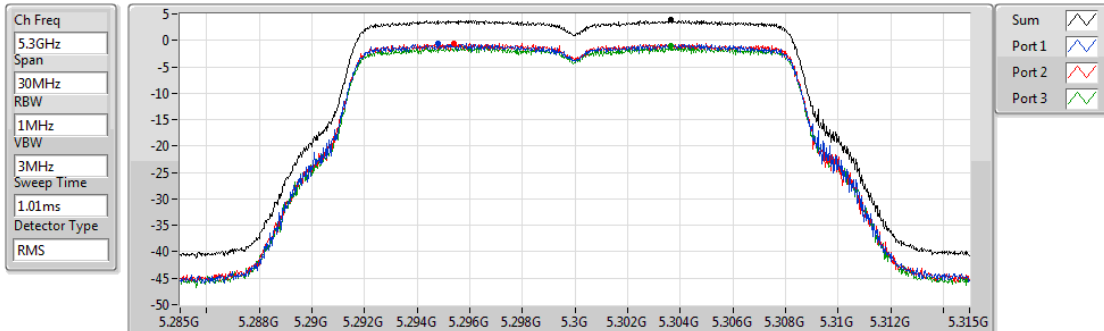
PSD

5240MHz

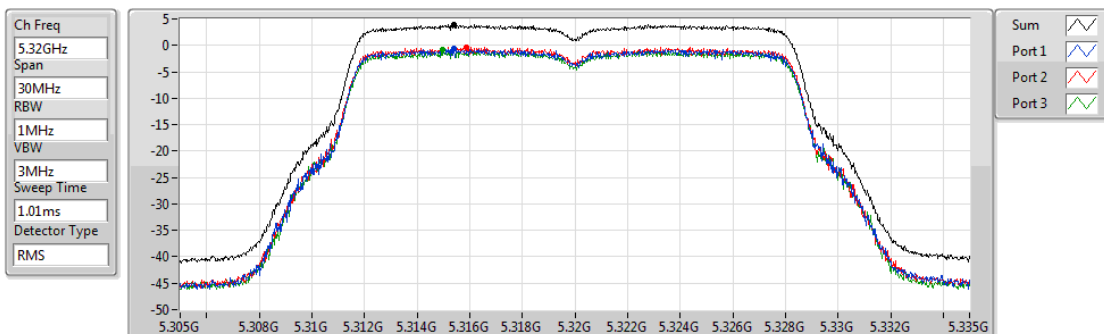


802.11a_Nss1,(6Mbps)_3TX
PSD
5260MHz


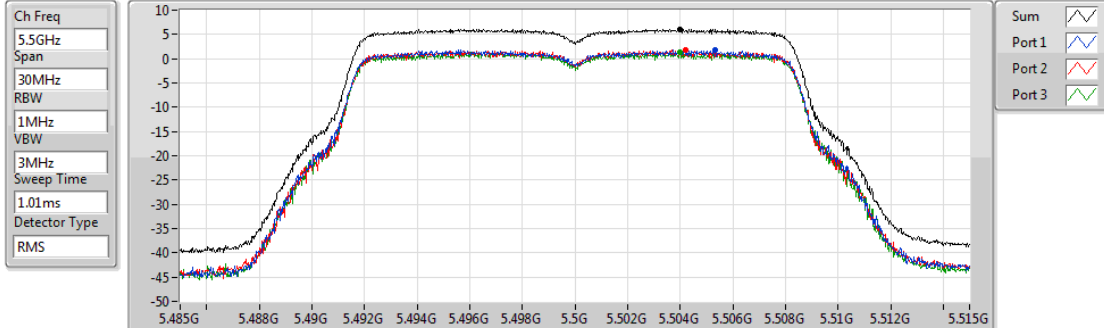
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.62	3.62	-0.55	-0.70	-1.40

802.11a_Nss1,(6Mbps)_3TX
PSD
5300MHz


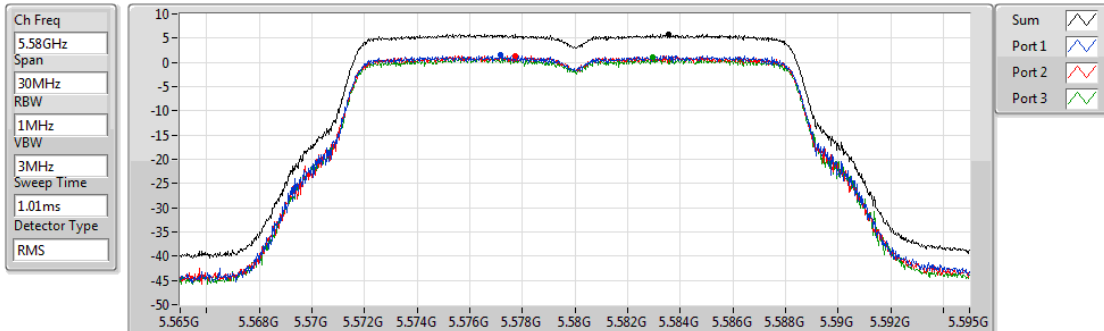
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.90	3.90	-0.65	-0.51	-1.00

802.11a_Nss1,(6Mbps)_3TX
PSD
5320MHz


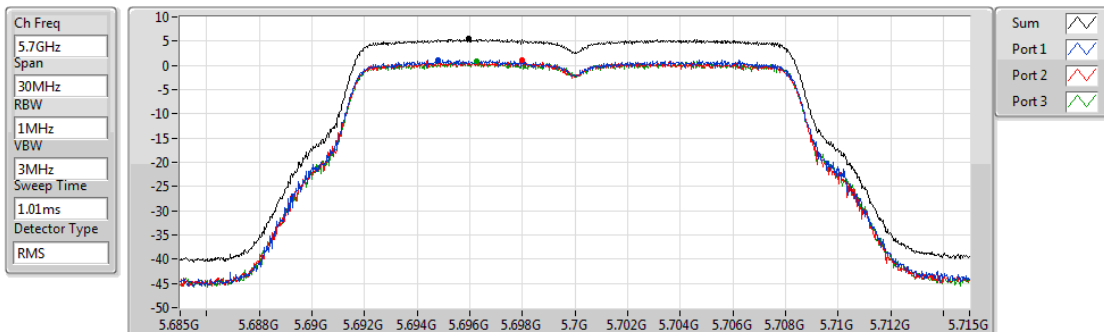
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.98	3.98	-0.55	-0.33	-0.69

802.11a_Nss1,(6Mbps)_3TX
PSD
5500MHz


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	1.87	1.76	1.31

802.11a_Nss1,(6Mbps)_3TX
PSD
5580MHz


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.87	5.87	1.52	1.40	1.21

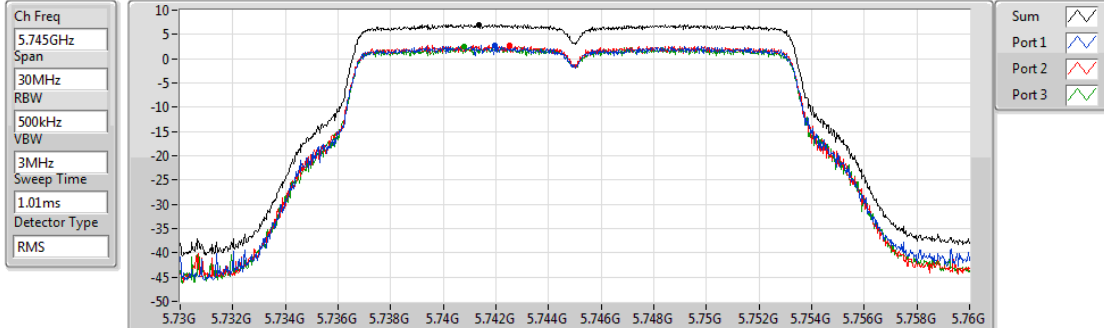
802.11a_Nss1,(6Mbps)_3TX
PSD
5700MHz


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.52	5.52	1.17	1.08	0.88

802.11a_Nss1,(6Mbps)_3TX

PSD

5745MHz

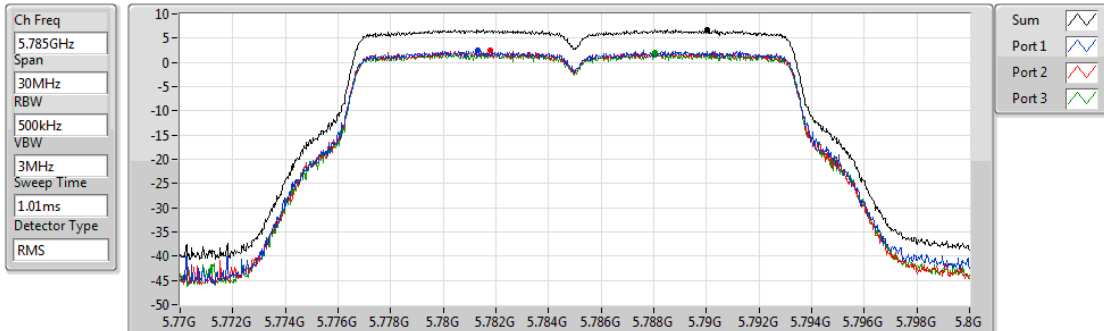


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	2.71	2.69	2.43

802.11a_Nss1,(6Mbps)_3TX

PSD

5785MHz

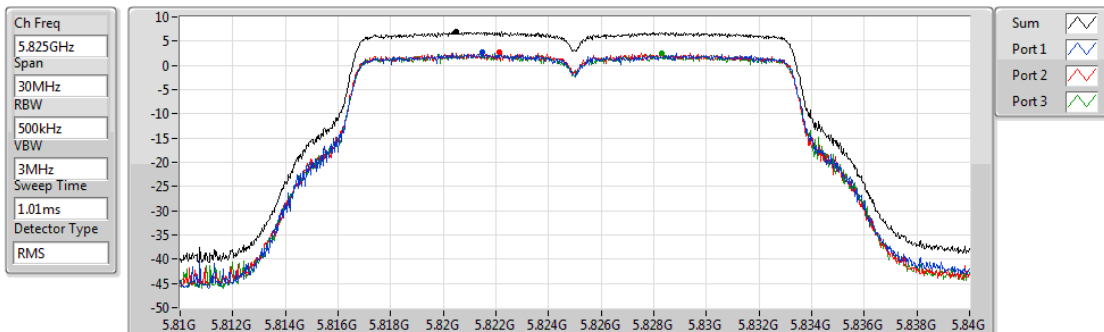


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.72	6.72	2.45	2.40	2.10

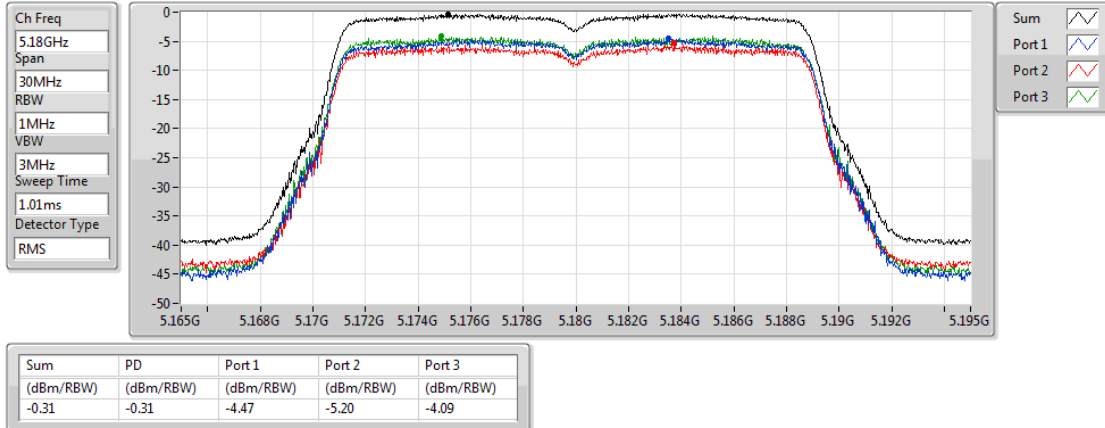
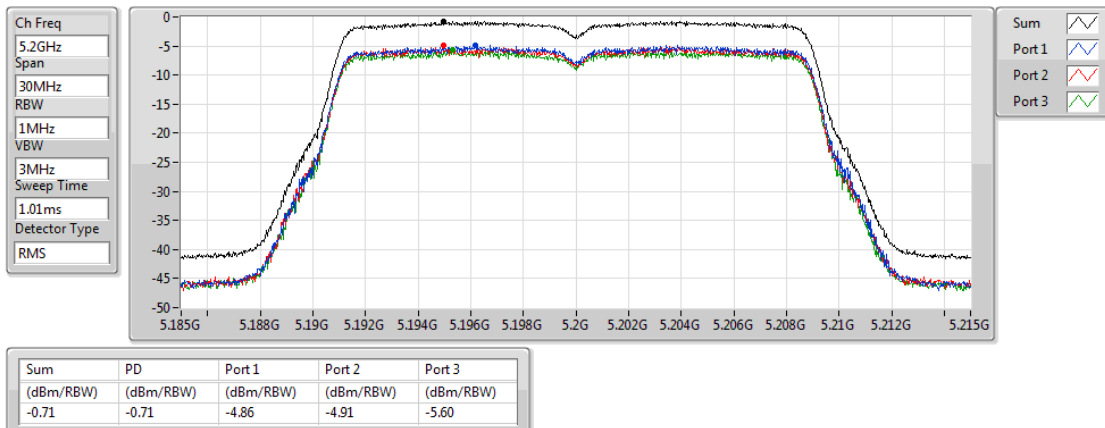
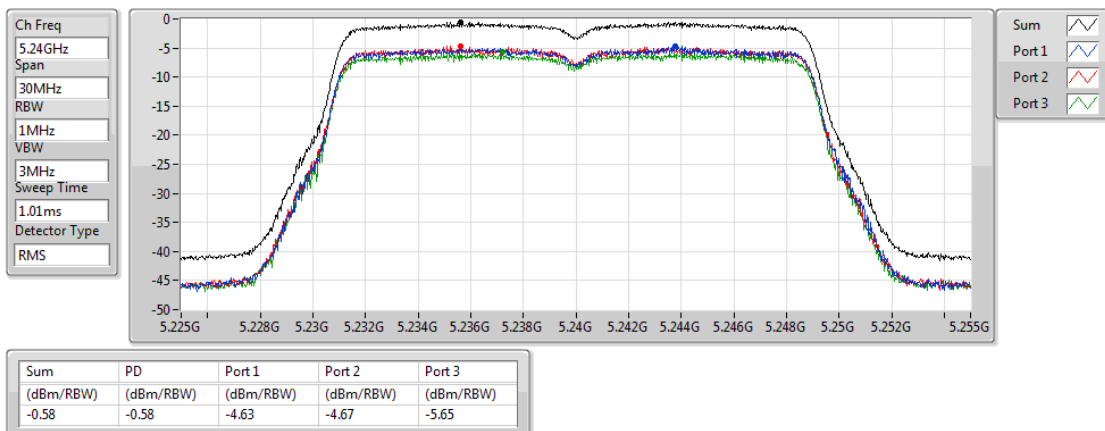
802.11a_Nss1,(6Mbps)_3TX

PSD

5825MHz



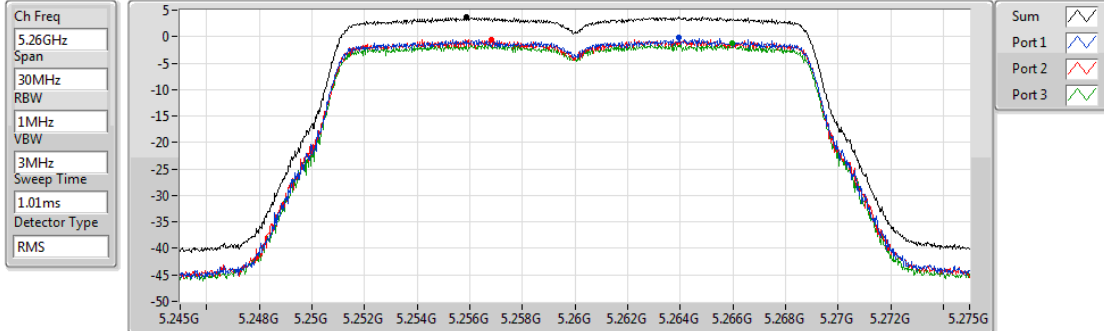
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.95	6.95	2.68	2.79	2.43

802.11ac VHT20_Nss1,(MCS0)_3TX
PSD
5180MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
PSD
5200MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
PSD
5240MHz


802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5260MHz

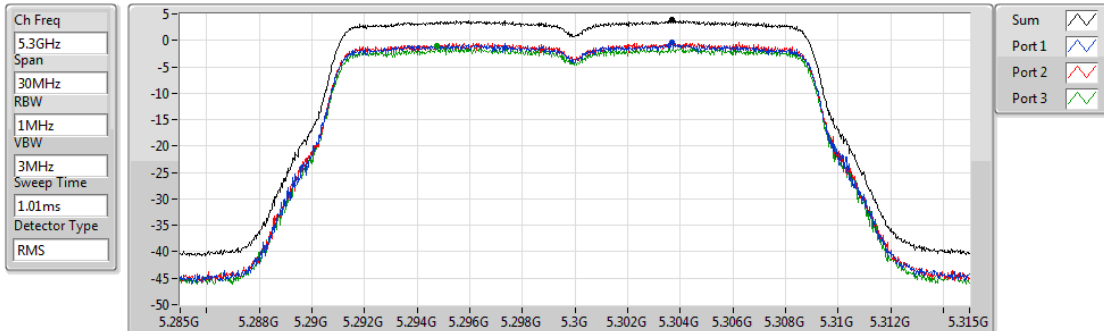


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.72	3.72	-0.25	-0.49	-1.31

802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5300MHz

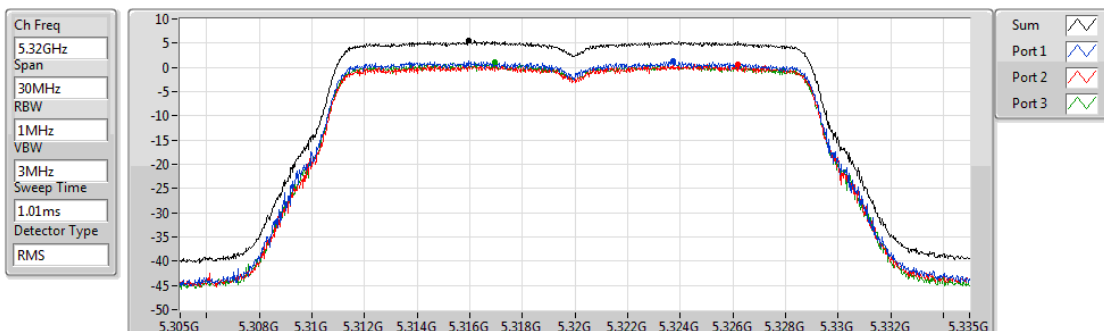


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.93	3.93	-0.48	-0.38	-0.99

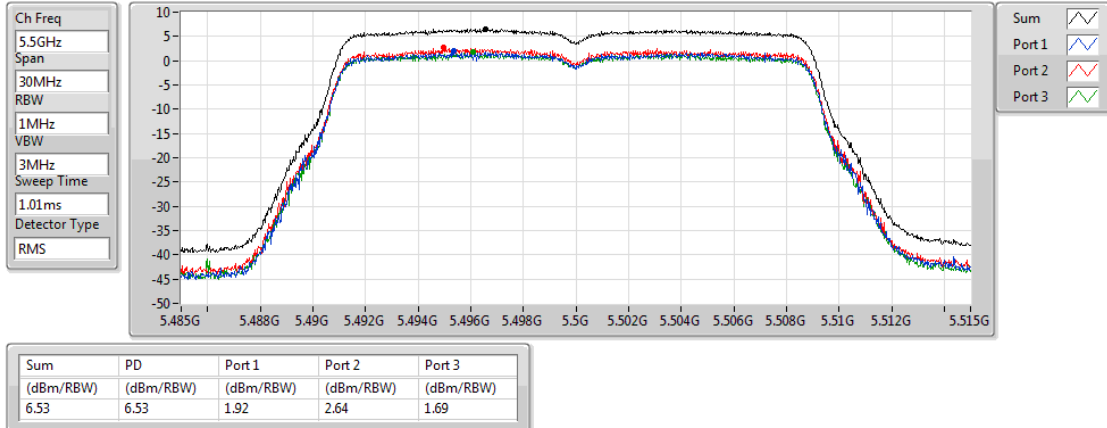
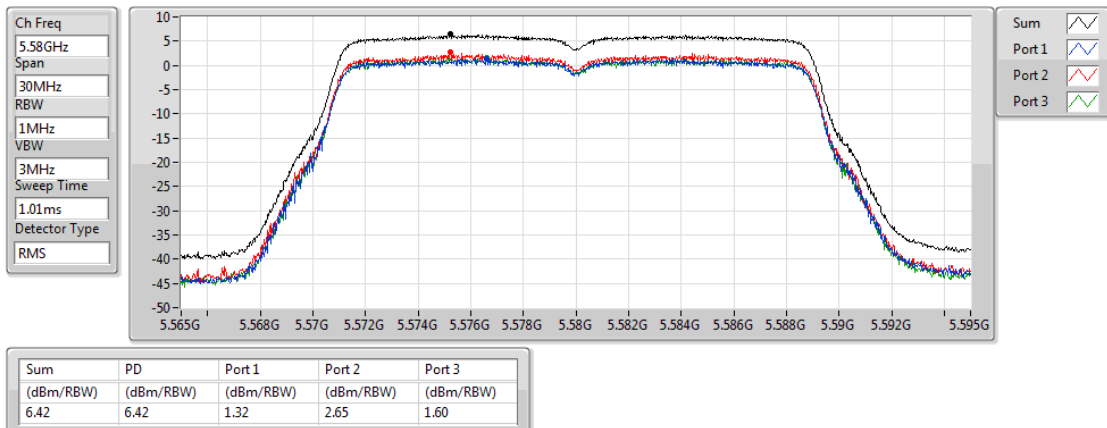
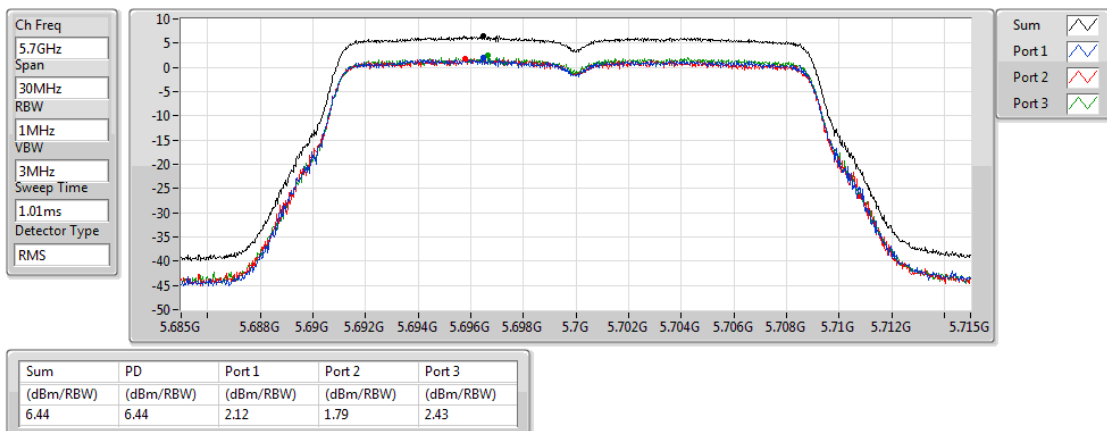
802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5320MHz



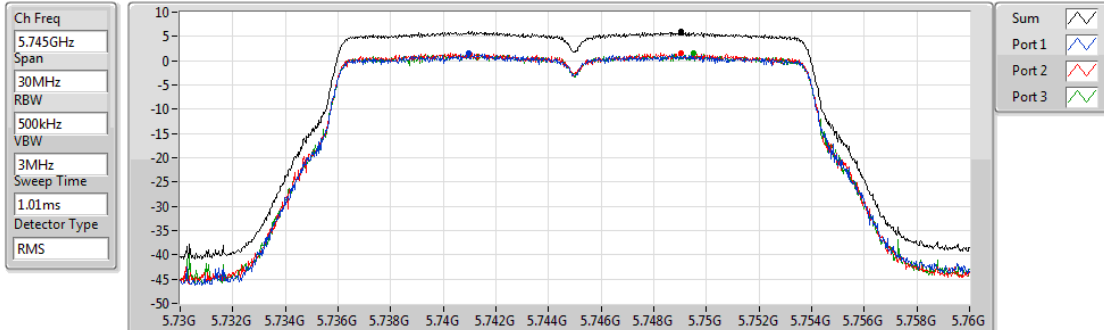
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.51	5.51	1.42	0.71	1.15

802.11ac VHT20_Nss1,(MCS0)_3TX
PSD
5500MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
PSD
5580MHz

802.11ac VHT20_Nss1,(MCS0)_3TX
PSD
5700MHz


802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5745MHz

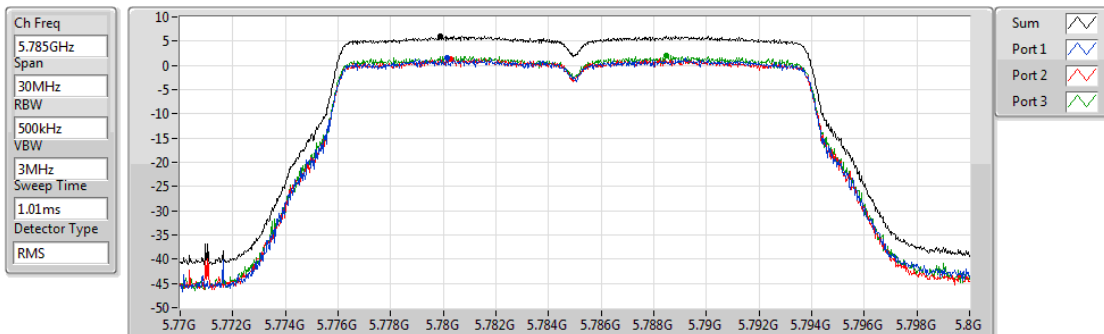


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.08	6.08	1.46	1.67	1.47

802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

5785MHz

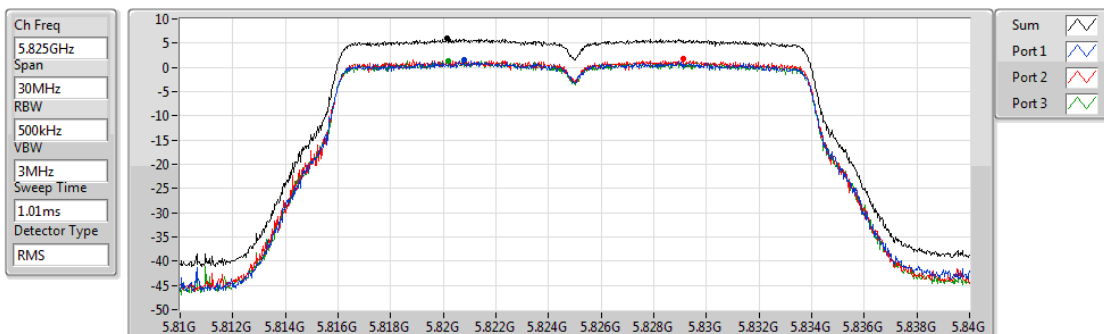


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.04	6.04	1.50	1.41	2.11

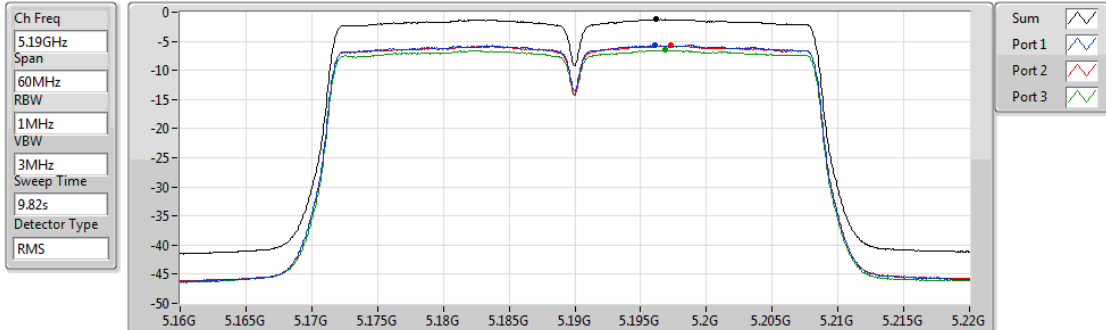
802.11ac VHT20_Nss1,(MCS0)_3TX

PSD

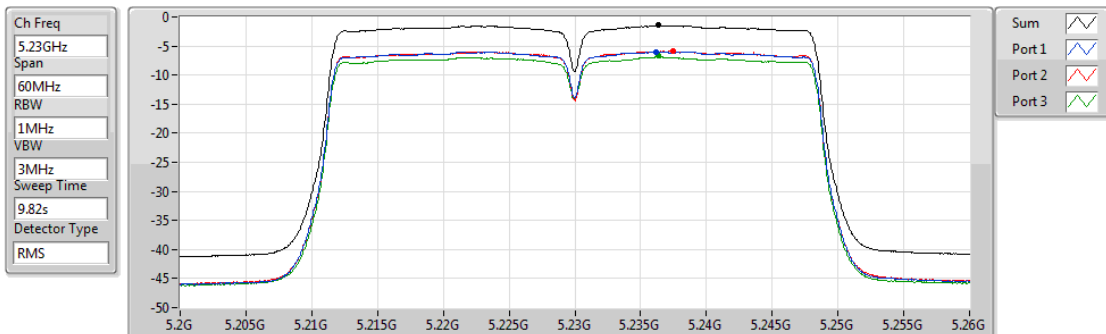
5825MHz



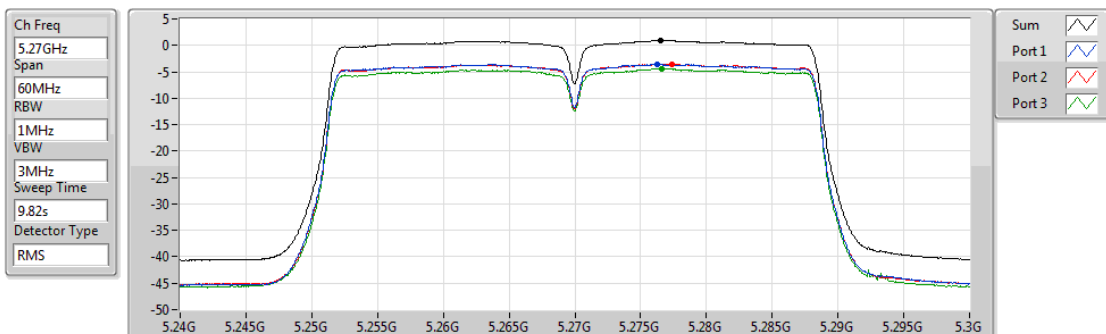
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.94	5.94	1.45	1.69	1.42

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5190MHz


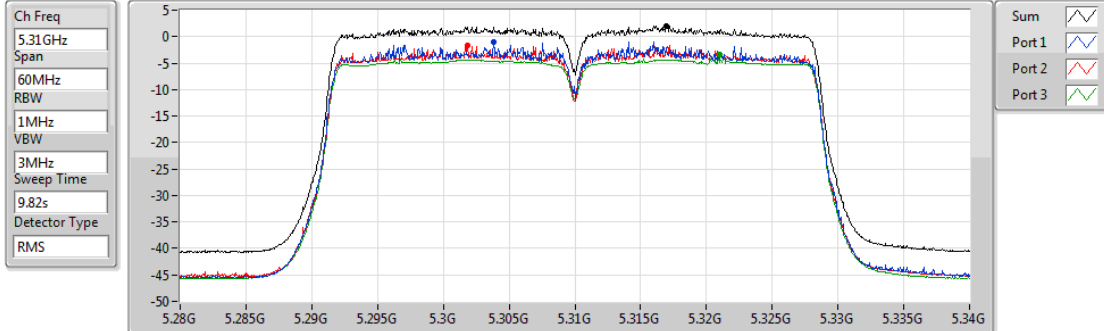
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.22	-1.22	-5.61	-5.75	-6.53

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5230MHz


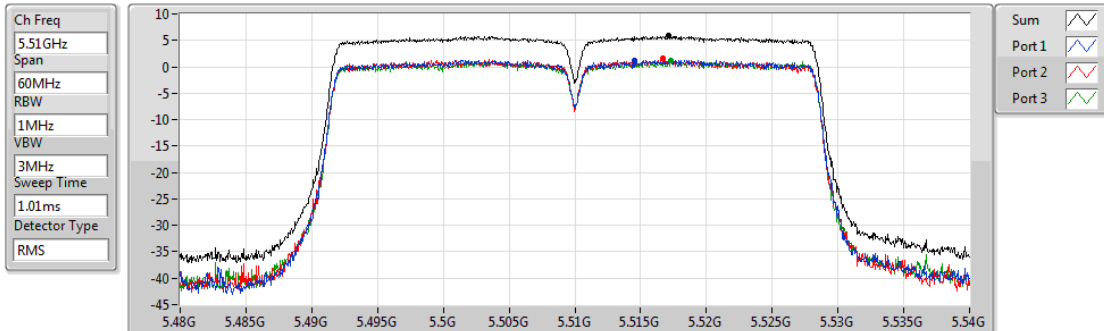
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.45	-1.45	-5.97	-5.86	-6.70

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5270MHz


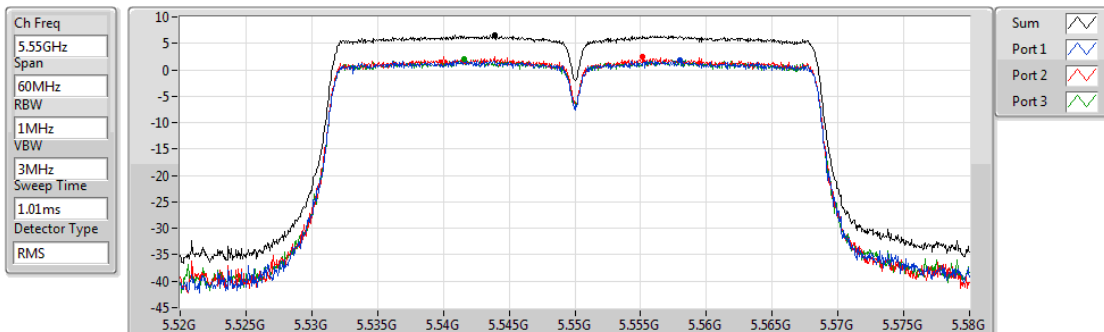
Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.94	0.94	-3.54	-3.49	-4.36

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5310MHz


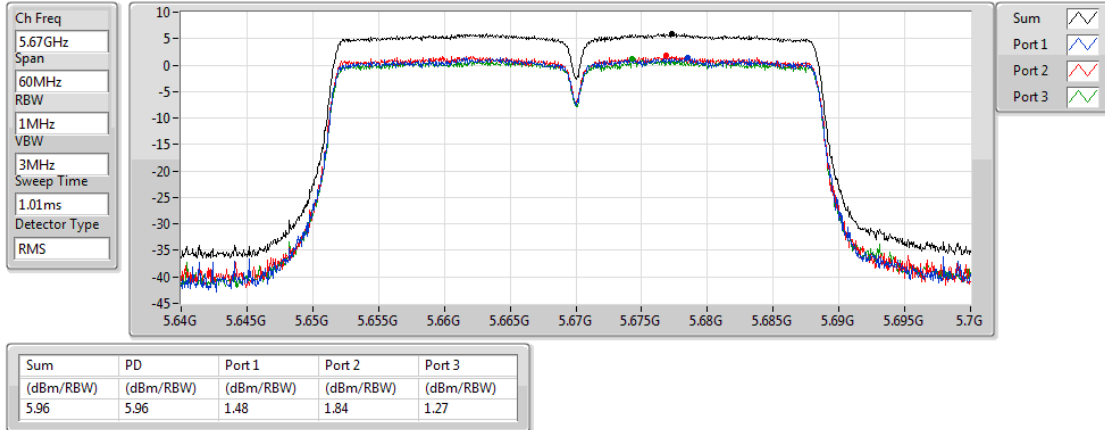
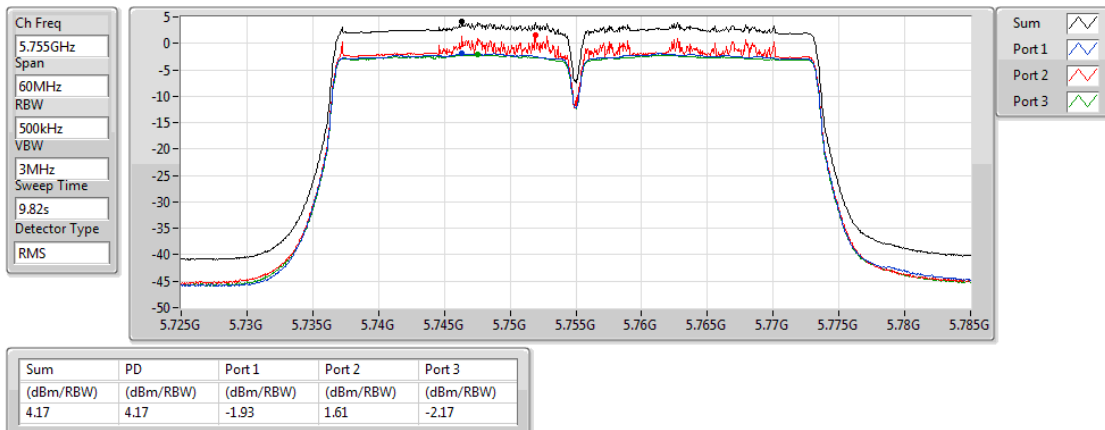
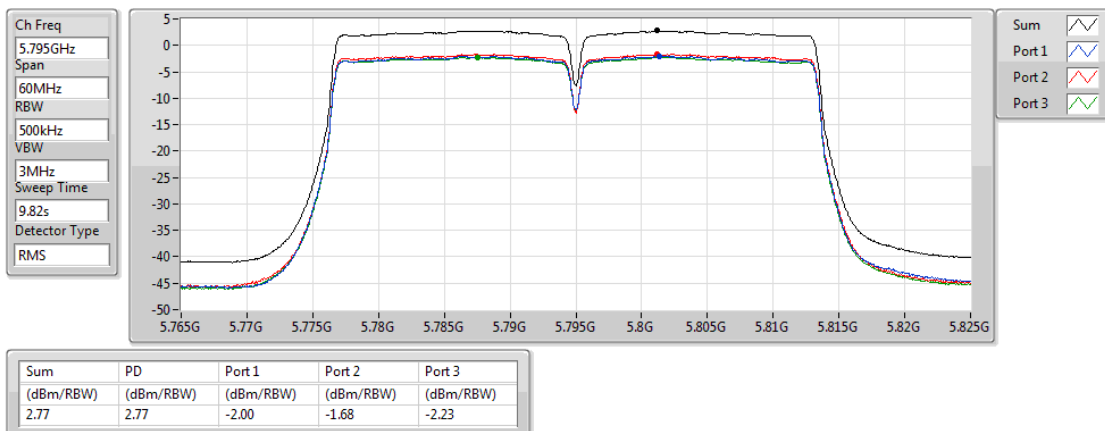
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.93	1.93	-0.97	-1.62	-3.30

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5510MHz


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.84	5.84	1.29	1.56	1.22

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5550MHz


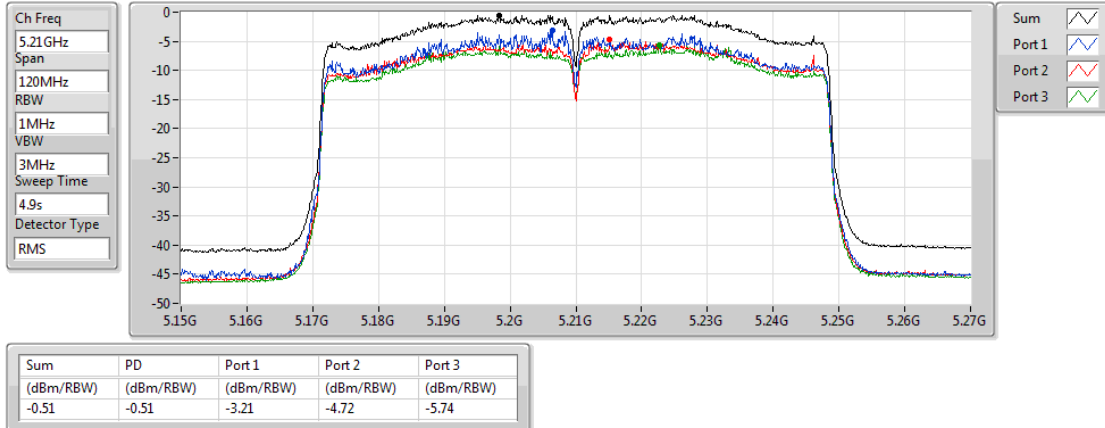
Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.56	6.56	1.87	2.50	2.05

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5670MHz

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5755MHz

802.11ac VHT40_Nss1,(MCS0)_3TX
PSD
5795MHz


802.11ac VHT80_Nss1,(MCS0)_3TX

PSD

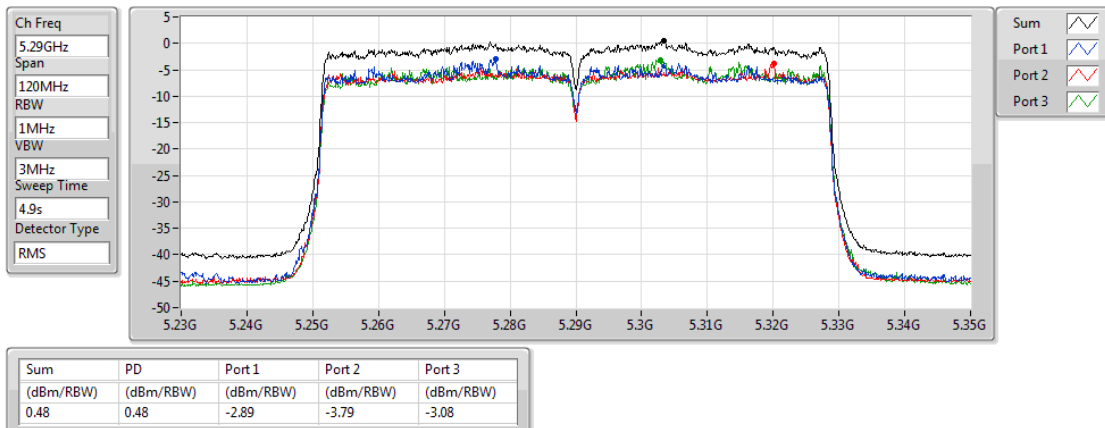
5210MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

PSD

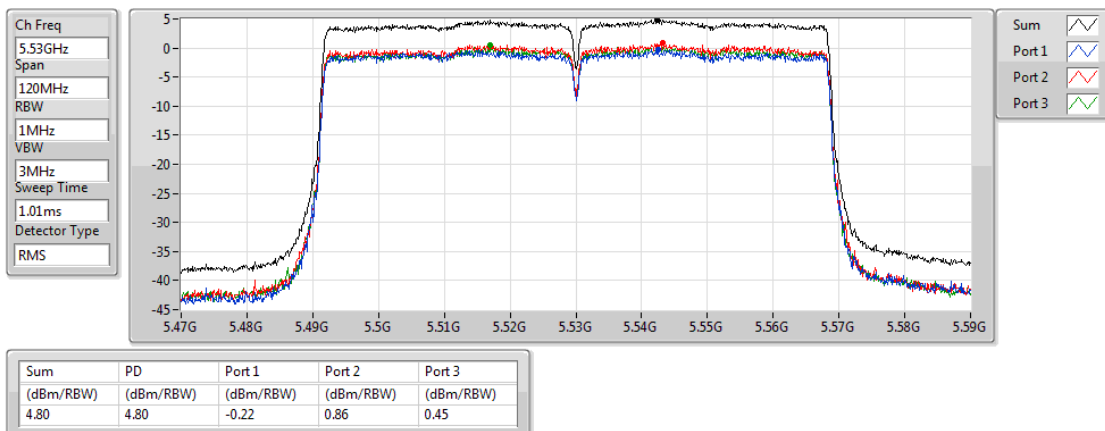
5290MHz



802.11ac VHT80_Nss1,(MCS0)_3TX

PSD

5530MHz

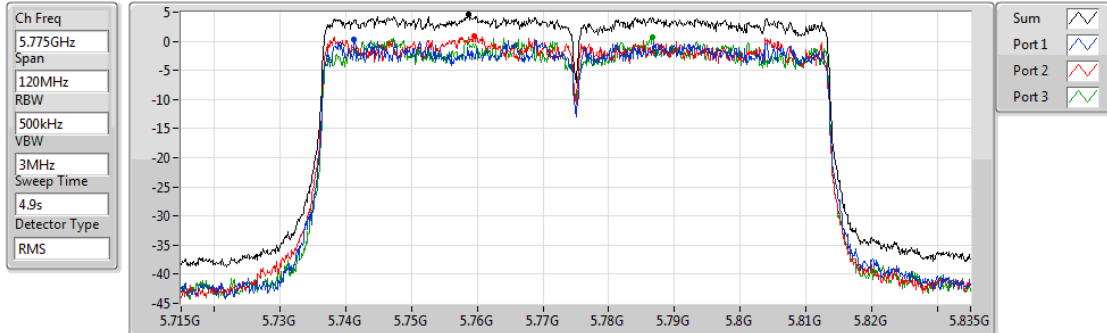




802.11ac VHT80_Nss1,(MCS0)_3TX

PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.52	4.52	0.24	1.00	0.66

**<Beamforming>
Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	-0.39	9.64
5.25-5.35GHz	0.08	10.10
5.47-5.725GHz	6.89	16.91
5.725-5.85GHz	12.56	22.58
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	-2.26	7.77
5.25-5.35GHz	-3.42	6.60
5.47-5.725GHz	4.31	14.33
5.725-5.85GHz	8.97	18.99
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-
5.15-5.25GHz	-5.47	4.55
5.25-5.35GHz	-6.33	3.69
5.47-5.725GHz	-2.02	8.00
5.725-5.85GHz	2.78	12.80

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)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	10.02	-4.06	-4.65	-4.76	-0.39	12.98	9.64	Inf
5200MHz_TnomVnom	Pass	10.02	-4.75	-5.45	-6.09	-0.84	12.98	9.18	Inf
5240MHz_TnomVnom	Pass	10.02	-4.67	-5.14	-5.37	-0.69	12.98	9.33	Inf
5260MHz_TnomVnom	Pass	10.02	-5.47	-5.34	-6.10	-1.10	6.98	8.93	Inf
5300MHz_TnomVnom	Pass	10.02	-4.04	-3.25	-4.71	-0.31	6.98	9.72	Inf
5320MHz_TnomVnom	Pass	10.02	-3.71	-3.44	-4.35	0.08	6.98	10.10	Inf
5500MHz_TnomVnom	Pass	10.02	2.62	2.72	1.87	6.89	6.98	16.91	Inf
5580MHz_TnomVnom	Pass	10.02	2.24	2.38	2.28	6.82	6.98	16.84	Inf
5700MHz_TnomVnom	Pass	10.02	2.17	2.47	2.42	6.72	6.98	16.74	Inf
5745MHz_TnomVnom	Pass	10.02	8.30	8.22	8.28	12.56	25.98	22.58	Inf
5785MHz_TnomVnom	Pass	10.02	8.14	8.06	8.07	12.35	25.98	22.37	Inf
5825MHz_TnomVnom	Pass	10.02	7.65	8.29	8.10	12.33	25.98	22.35	Inf
802.11ac VHT40-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	10.02	-7.06	-5.84	-7.89	-2.88	12.98	7.14	Inf
5230MHz_TnomVnom	Pass	10.02	-6.57	-5.42	-7.43	-2.26	12.98	7.77	Inf
5270MHz_TnomVnom	Pass	10.02	-6.59	-7.63	-8.22	-3.51	6.98	6.52	Inf
5310MHz_TnomVnom	Pass	10.02	-6.90	-7.16	-8.07	-3.42	6.98	6.60	Inf
5510MHz_TnomVnom	Pass	10.02	-2.32	-1.95	-2.42	2.37	6.98	12.39	Inf
5550MHz_TnomVnom	Pass	10.02	-0.63	-0.38	-0.70	4.08	6.98	14.10	Inf
5670MHz_TnomVnom	Pass	10.02	-0.02	-0.05	-0.51	4.31	6.98	14.33	Inf
5755MHz_TnomVnom	Pass	10.02	4.30	4.55	4.64	8.97	25.98	18.99	Inf
5795MHz_TnomVnom	Pass	10.02	4.32	4.59	4.21	8.81	25.98	18.83	Inf
802.11ac VHT80-BF_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	10.02	-8.67	-10.00	-9.93	-5.47	12.98	4.55	Inf
5290MHz_TnomVnom	Pass	10.02	-10.40	-11.35	-9.64	-6.33	6.98	3.69	Inf
5530MHz_TnomVnom	Pass	10.02	-6.45	-6.05	-6.66	-2.02	6.98	8.00	Inf
5775MHz_TnomVnom	Pass	10.02	-1.71	-1.61	-1.65	2.78	25.98	12.80	Inf

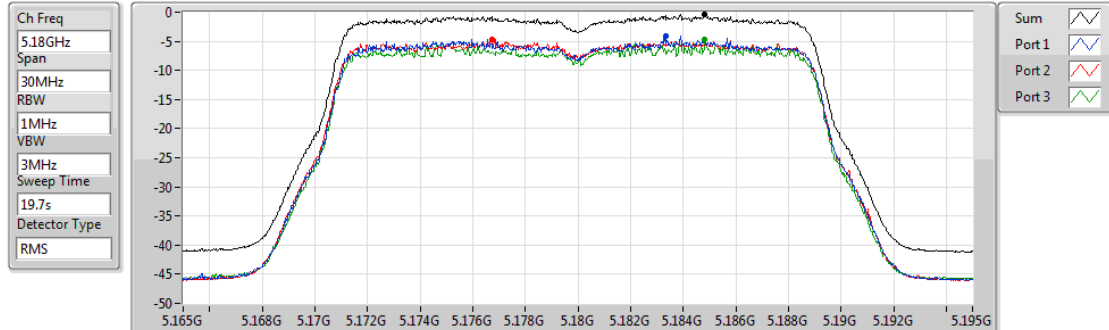
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5180MHz

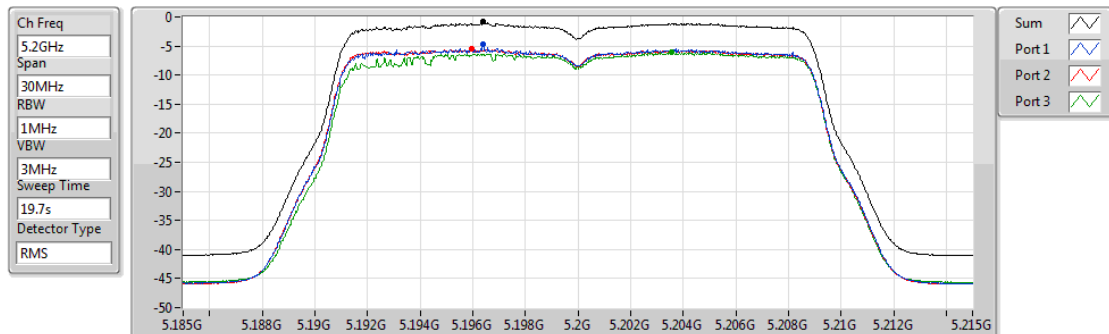


Sum	PD	Port 1	Port 2	Port 3
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
-0.39	-0.39	-4.06	-4.65	-4.76

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5200MHz

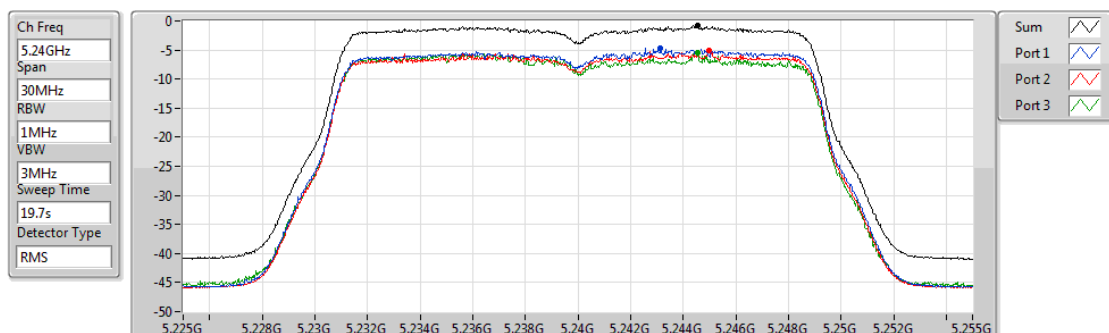


Sum	PD	Port 1	Port 2	Port 3
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
-0.84	-0.84	-4.75	-5.45	-6.09

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5240MHz

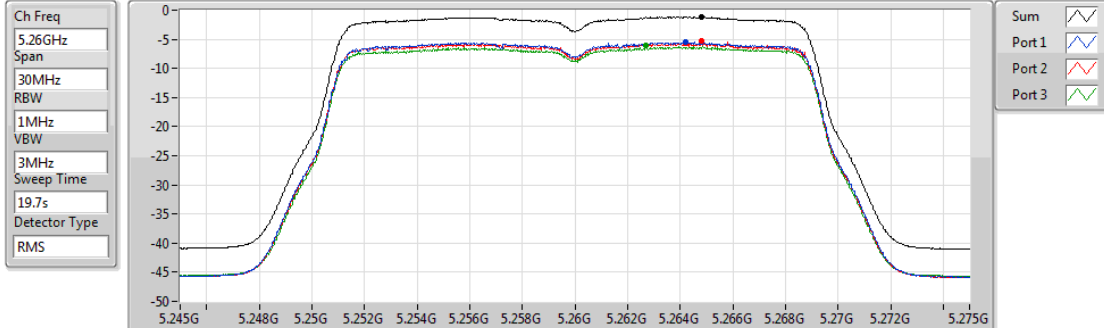


Sum	PD	Port 1	Port 2	Port 3
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
-0.69	-0.69	-4.67	-5.14	-5.37

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5260MHz

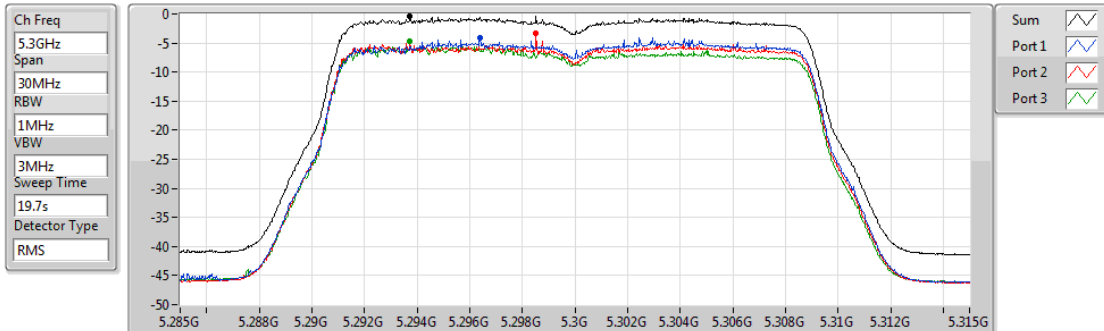


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.10	-1.10	-5.47	-5.34	-6.10

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5300MHz

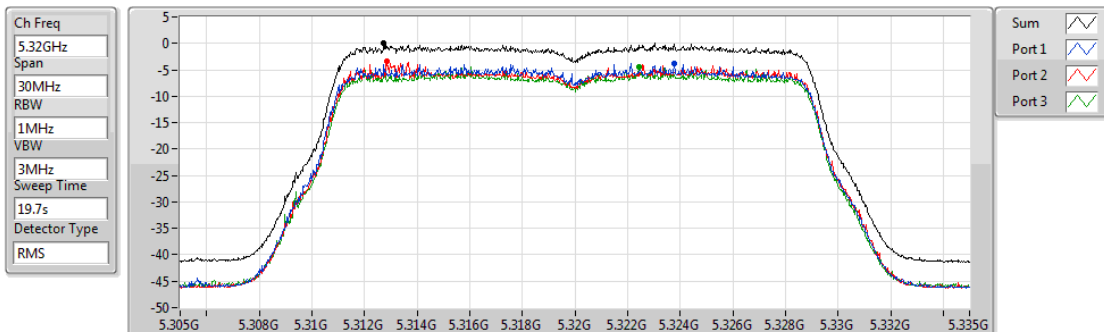


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.31	-0.31	-4.04	-3.25	-4.71

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5320MHz

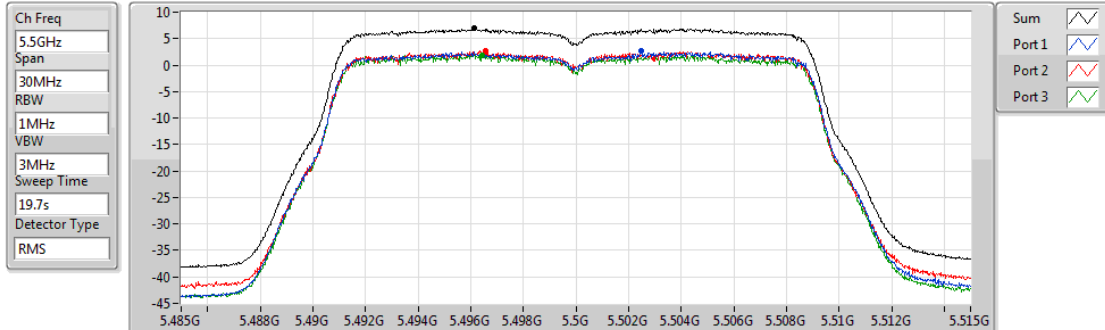


Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.08	0.08	-3.71	-3.44	-4.35

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5500MHz

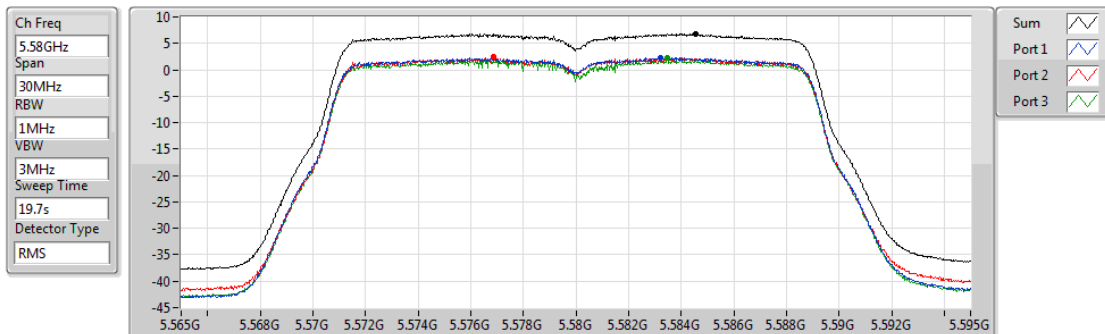


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.89	6.89	2.62	2.72	1.87

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5580MHz

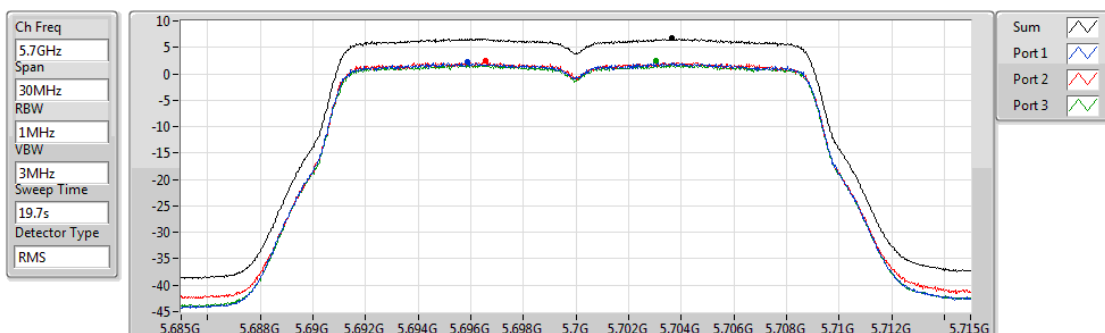


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.82	6.82	2.24	2.38	2.28

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5700MHz

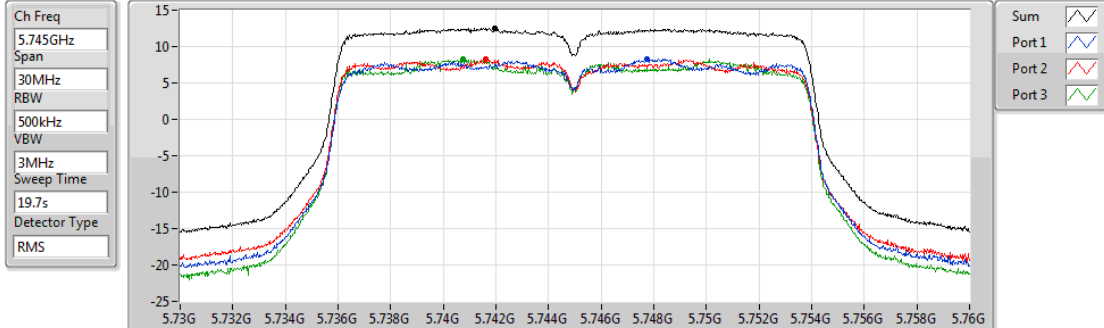


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.72	6.72	2.17	2.47	2.42

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5745MHz

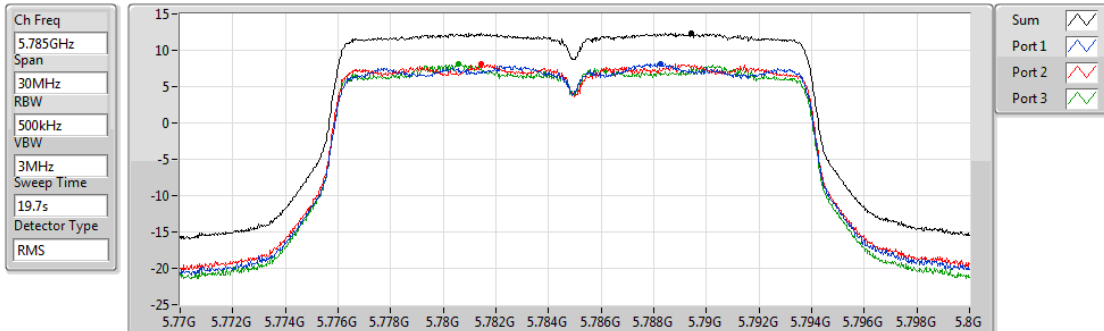


Sum	PD	Port 1	Port 2	Port 3
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.56	12.56	8.30	8.22	8.28

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5785MHz

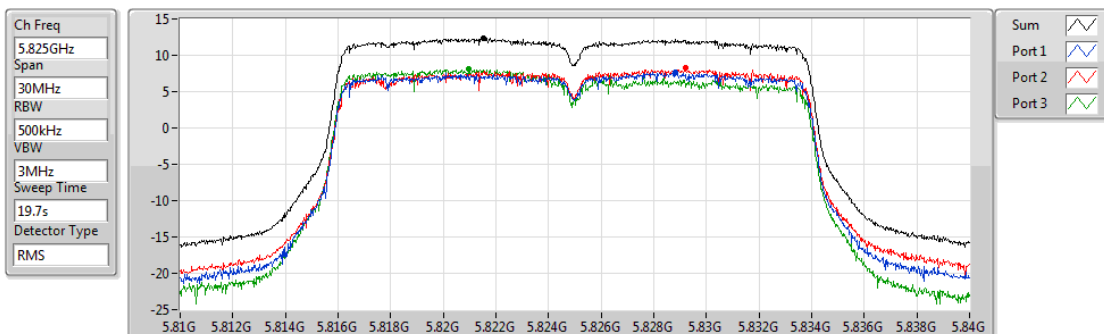


Sum	PD	Port 1	Port 2	Port 3
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.35	12.35	8.14	8.06	8.07

802.11ac VHT20-BF_Nss1,(MCS0)_3TX

PSD

5825MHz

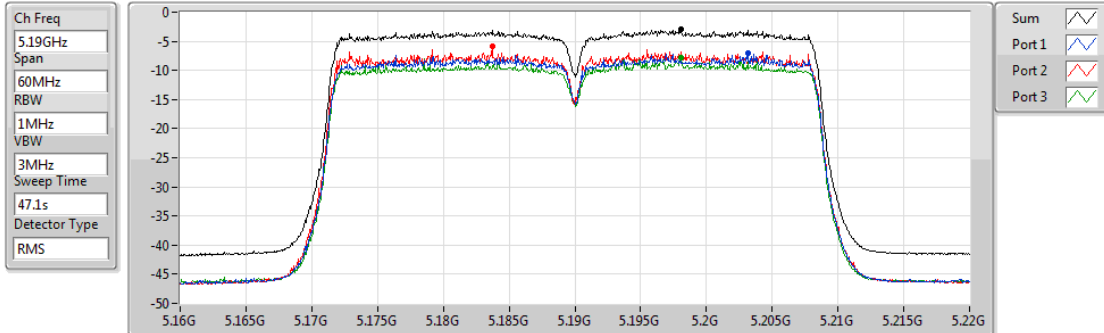


Sum	PD	Port 1	Port 2	Port 3
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
12.33	12.33	7.65	8.29	8.10

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5190MHz

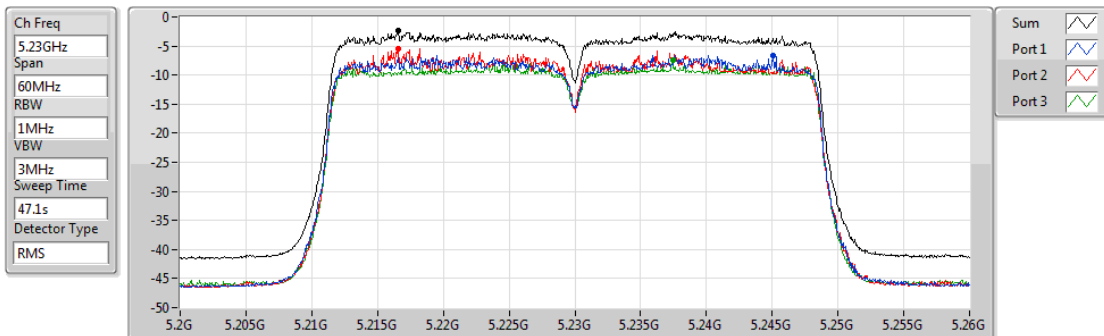


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.88	-2.88	-7.06	-5.84	-7.89

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5230MHz

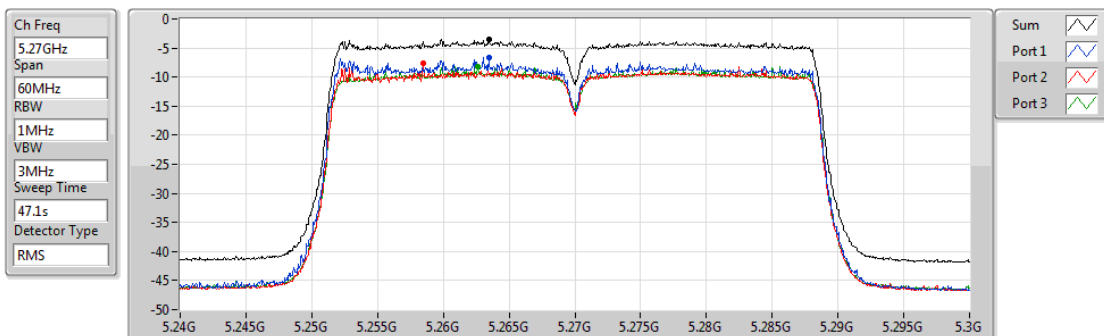


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.26	-2.26	-6.57	-5.42	-7.43

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5270MHz

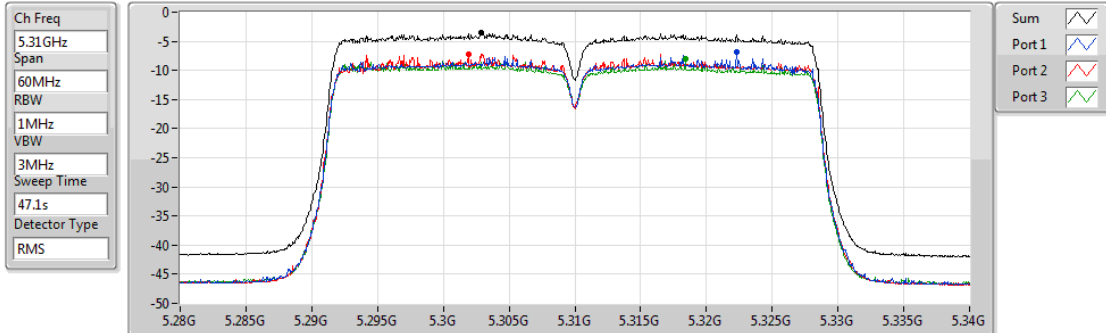


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.51	-3.51	-6.59	-7.63	-8.22

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5310MHz

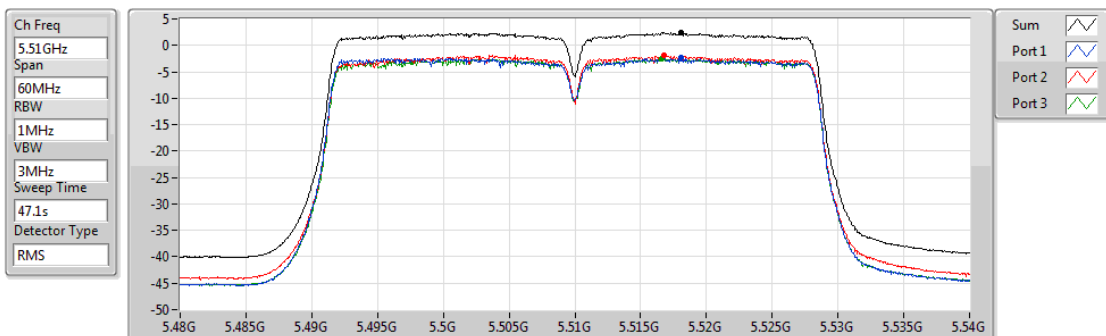


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.42	-3.42	-6.90	-7.16	-8.07

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5510MHz

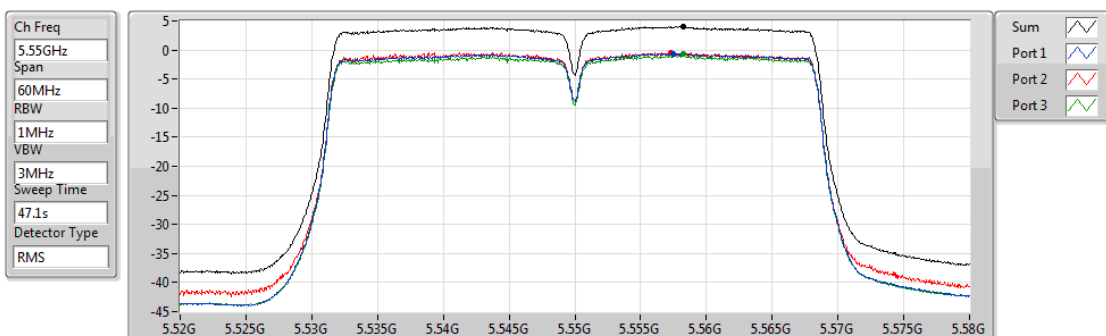


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.37	2.37	-2.32	-1.95	-2.42

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5550MHz

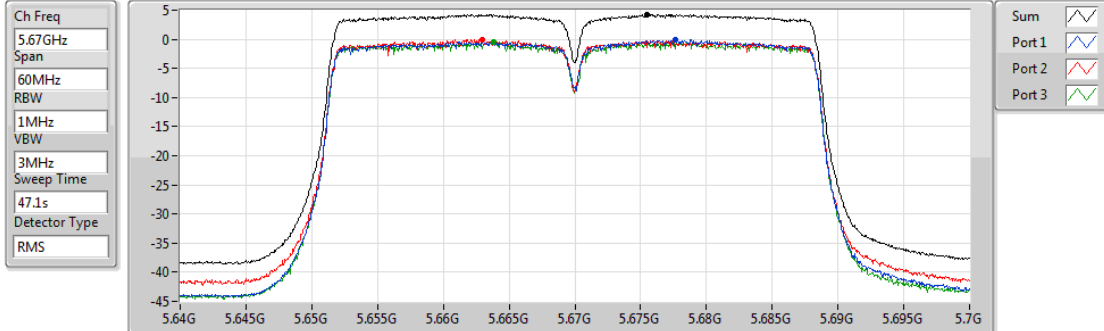


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.08	4.08	-0.63	-0.38	-0.70

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5670MHz

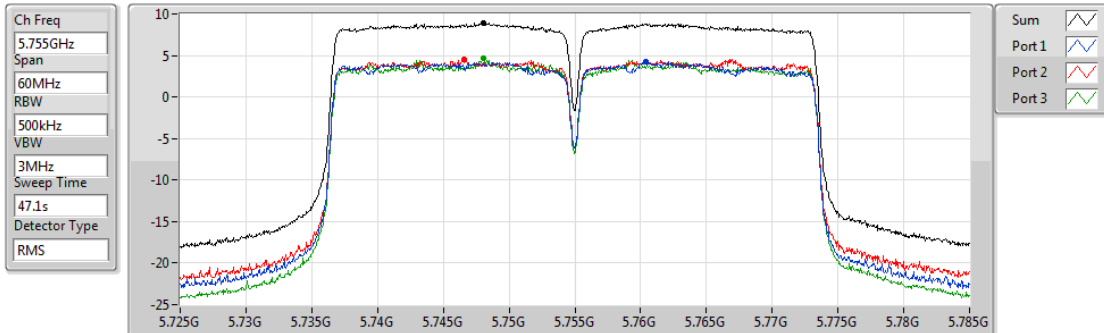


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.31	4.31	-0.02	-0.05	-0.51

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5755MHz

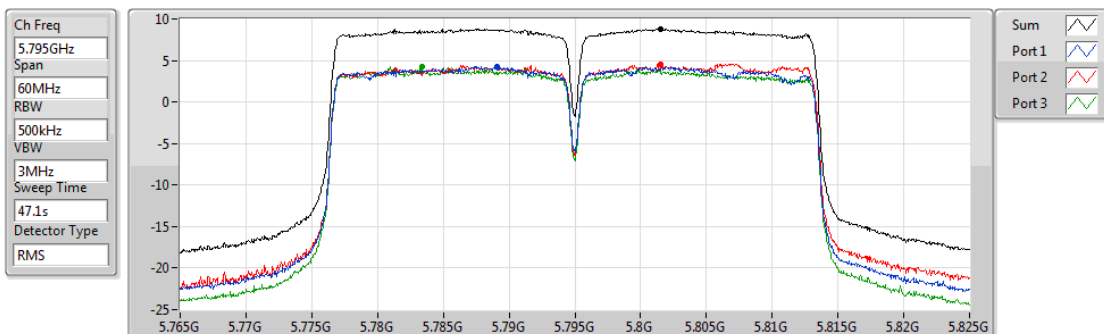


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.97	8.97	4.30	4.55	4.64

802.11ac VHT40-BF_Nss1,(MCS0)_3TX

PSD

5795MHz

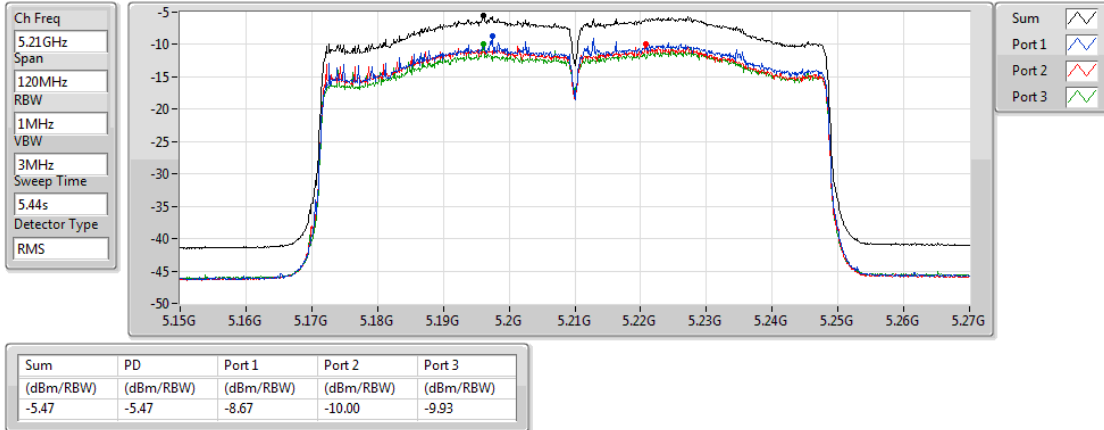


Sum	PD	Port 1	Port 2	Port 3
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.81	8.81	4.32	4.59	4.21

802.11ac VHT80-BF_Nss1,(MCS0)_3TX

PSD

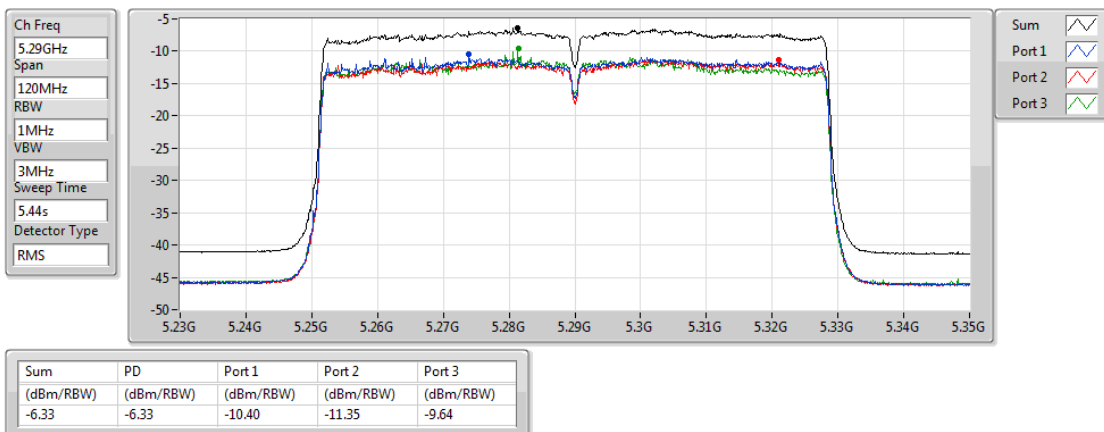
5210MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

PSD

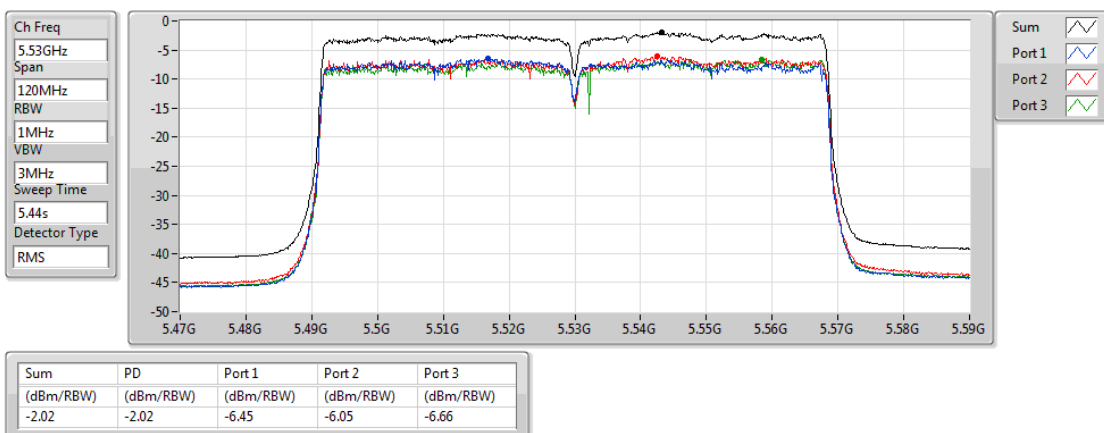
5290MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

PSD

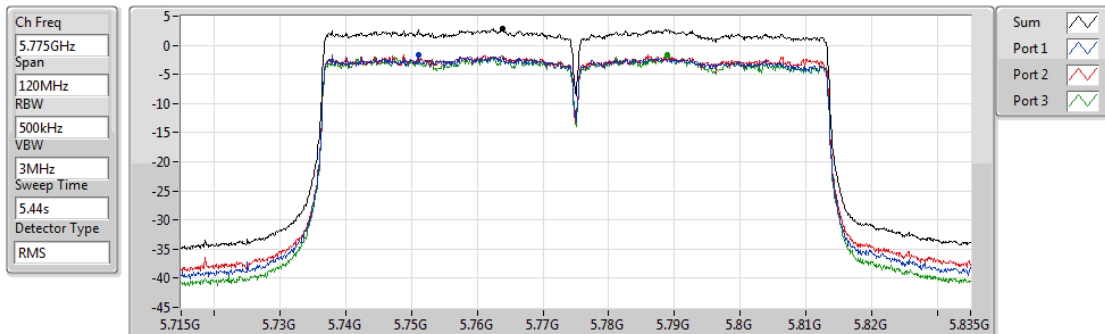
5530MHz



802.11ac VHT80-BF_Nss1,(MCS0)_3TX

PSD

5775MHz



Sum	PD	Port 1	Port 2	Port 3
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.78	2.78	-1.71	-1.61	-1.65

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

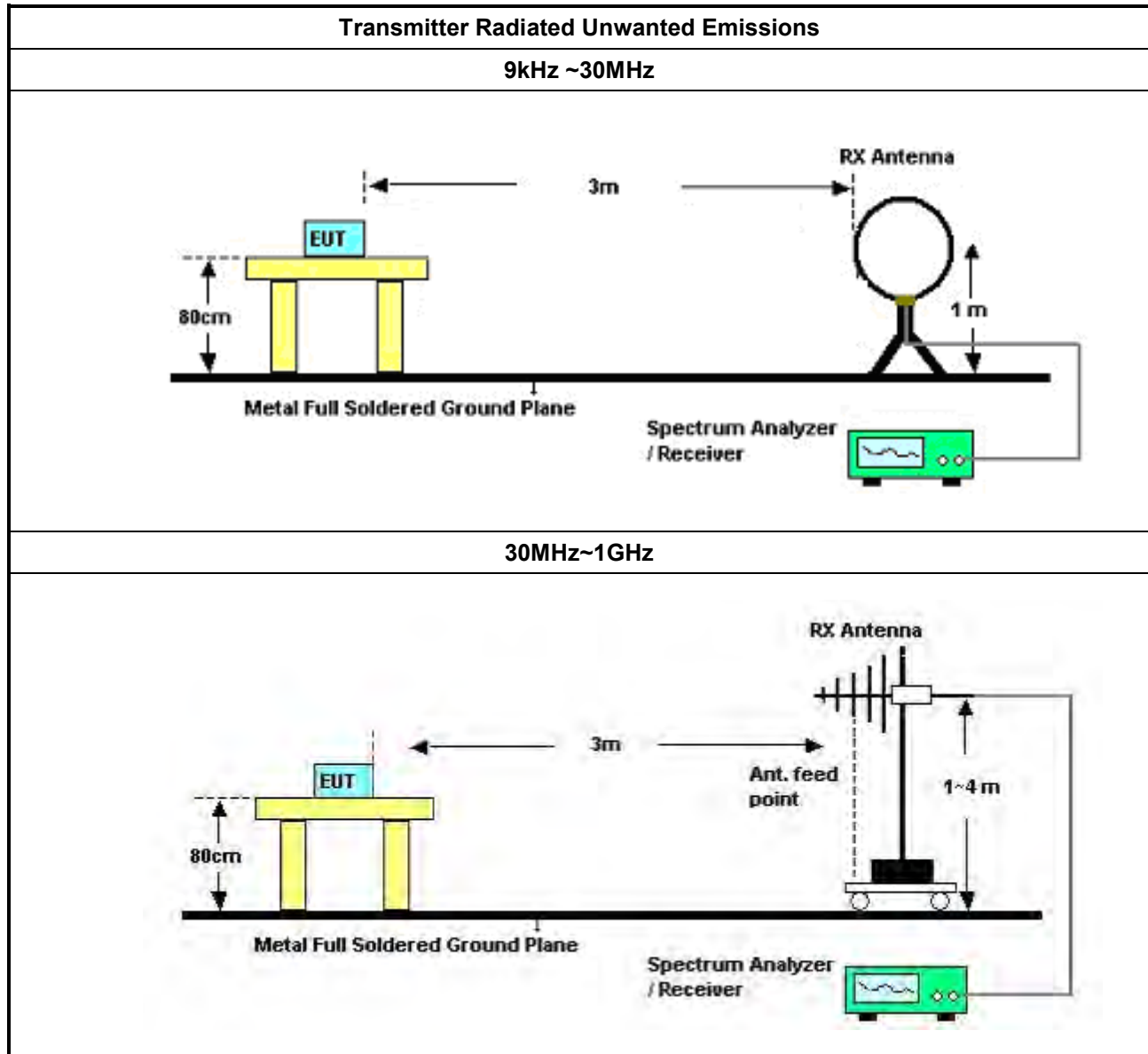
3.5.2 Measuring Instruments

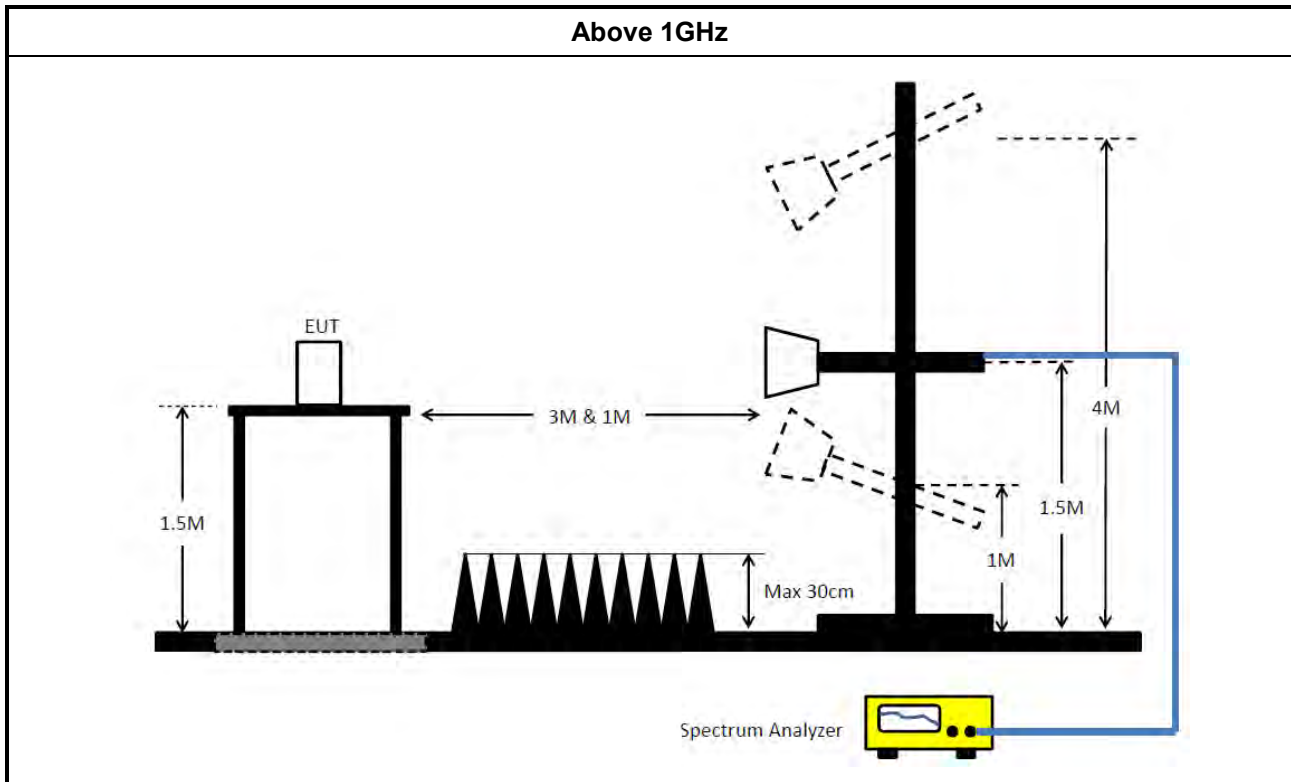
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method				
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).				
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].				
For the transmitter unwanted emissions shall be measured using following options below:				
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.			
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.			
	<table border="1"> <tr> <td>☒</td><td>Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.</td></tr> <tr> <td>☒</td><td>Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.</td></tr> </table>	☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.	☒
☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.			
☒	Refer as KDB 789033, clause G)5) (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)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

<Non-Beamforming - Below 1GHz>

Summary

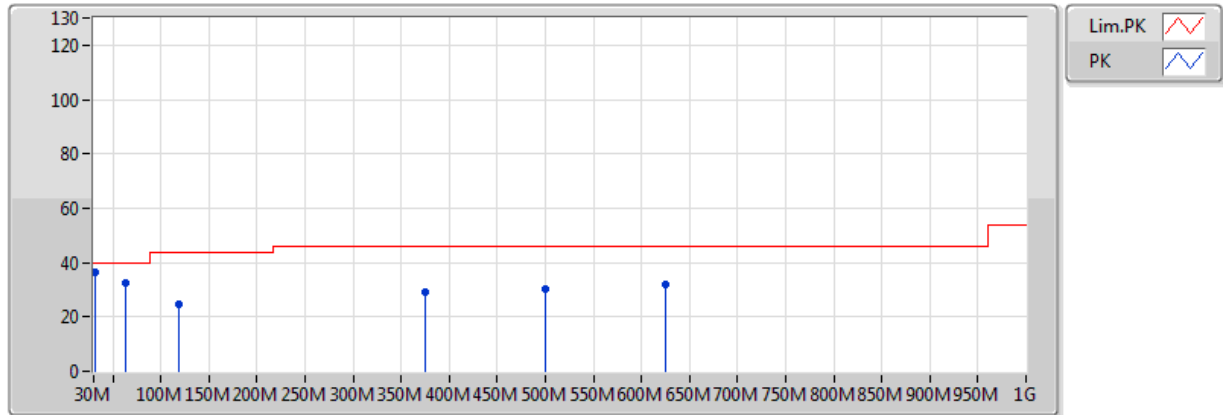
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	31.94M	36.62	40.00	-3.38	-5.20	3	V	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	33.88M	28.79	40.00	-11.21	-6.15	3	H	360	1.00	-
5775MHz	Pass	PK	62.98M	23.94	40.00	-16.06	-15.22	3	H	360	1.00	-
5775MHz	Pass	PK	119.24M	24.85	43.50	-18.65	-8.94	3	H	360	1.00	-
5775MHz	Pass	PK	375.32M	34.35	46.00	-11.65	-4.67	3	H	360	1.00	-
5775MHz	Pass	PK	499.48M	33.04	46.00	-12.96	-2.52	3	H	360	1.00	-
5775MHz	Pass	PK	625.58M	30.28	46.00	-15.72	-0.91	3	H	360	1.00	-
5775MHz	Pass	PK	31.94M	36.62	40.00	-3.38	-5.20	3	V	0	1.00	-
5775MHz	Pass	PK	62.98M	32.31	40.00	-7.69	-15.22	3	V	0	1.00	-
5775MHz	Pass	PK	119.24M	24.61	43.50	-18.89	-8.94	3	V	0	1.00	-
5775MHz	Pass	PK	375.32M	29.25	46.00	-16.75	-4.67	3	V	0	1.00	-
5775MHz	Pass	PK	499.48M	30.47	46.00	-15.53	-2.52	3	V	0	1.00	-
5775MHz	Pass	PK	625.58M	32.07	46.00	-13.93	-0.91	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter

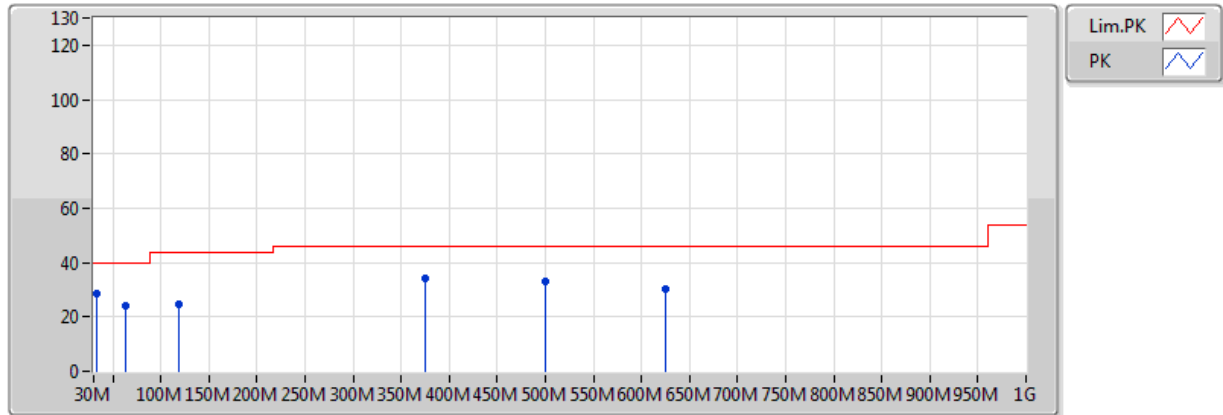


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	31.94M	36.62	40.00	-3.38	-5.20	3	V	0	1.00	-
PK	62.98M	32.31	40.00	-7.69	-15.22	3	V	0	1.00	-
PK	119.24M	24.61	43.50	-18.89	-8.94	3	V	0	1.00	-
PK	375.32M	29.25	46.00	-16.75	-4.67	3	V	0	1.00	-
PK	499.48M	30.47	46.00	-15.53	-2.52	3	V	0	1.00	-
PK	625.58M	32.07	46.00	-13.93	-0.91	3	V	0	1.00	-

802.11ac VHT80_Nss1,(MCS0)_3TX

5775MHz_Adapter



Eut : Z Ant : Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	33.88M	28.79	40.00	-11.21	-6.15	3	H	360	1.00	-
PK	62.98M	23.94	40.00	-16.06	-15.22	3	H	360	1.00	-
PK	119.24M	24.85	43.50	-18.65	-8.94	3	H	360	1.00	-
PK	375.32M	34.35	46.00	-11.65	-4.67	3	H	360	1.00	-
PK	499.48M	33.04	46.00	-12.96	-2.52	3	H	360	1.00	-
PK	625.58M	30.28	46.00	-15.72	-0.91	3	H	360	1.00	-

**<Non-Beamforming - Above 1GHz>
Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.149995G	53.77	54.00	-0.23	2.90	3	V	137	1.96	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.25-5.35GHz	Pass	AV	5.3504G	53.81	54.00	-0.19	3.11	3	V	145	2.16	-
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.47-5.725GHz	Pass	PK	5.4692G	68.06	68.20	-0.14	3.24	3	V	217	1.33	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	5.6542G	70.76	71.31	-0.55	3.40	3	V	154	1.82	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.77	54.00	-0.23	2.90	3	V	137	1.96	-
5180MHz	Pass	AV	5.1822G	110.43	Inf	-Inf	2.93	3	V	137	1.96	-
5180MHz	Pass	PK	5.146G	70.05	74.00	-3.95	2.90	3	V	137	1.96	-
5180MHz	Pass	PK	5.1818G	118.48	Inf	-Inf	2.93	3	V	137	1.96	-
5180MHz	Pass	AV	10.36G	44.42	54.00	-9.58	12.78	3	H	360	1.50	-
5180MHz	Pass	PK	10.36G	56.25	74.00	-17.75	12.78	3	H	360	1.50	-
5180MHz	Pass	AV	10.36G	43.53	54.00	-10.47	12.78	3	V	0	1.50	-
5180MHz	Pass	PK	10.36G	55.93	74.00	-18.07	12.78	3	V	0	1.50	-
5200MHz	Pass	AV	5.144G	52.34	54.00	-1.66	2.89	3	V	145	2.05	-
5200MHz	Pass	AV	5.202G	103.38	Inf	-Inf	2.95	3	V	145	2.05	-
5200MHz	Pass	PK	5.1456G	67.00	74.00	-7.00	2.90	3	V	145	2.05	-
5200MHz	Pass	PK	5.2024G	111.64	Inf	-Inf	2.95	3	V	145	2.05	-
5200MHz	Pass	AV	10.4G	43.50	54.00	-10.50	12.89	3	H	0	1.50	-
5200MHz	Pass	PK	10.4G	56.78	74.00	-17.22	12.89	3	H	0	1.50	-
5200MHz	Pass	AV	10.4G	44.77	54.00	-9.23	12.89	3	V	360	1.50	-
5200MHz	Pass	PK	10.4G	56.40	74.00	-17.60	12.89	3	V	360	1.50	-
5240MHz	Pass	AV	5.1446G	47.34	54.00	-6.66	2.89	3	V	178	1.50	-
5240MHz	Pass	AV	5.2424G	103.43	Inf	-Inf	3.00	3	V	178	1.50	-
5240MHz	Pass	AV	5.3552G	45.18	54.00	-8.82	3.12	3	V	178	1.50	-
5240MHz	Pass	PK	5.1446G	60.81	74.00	-13.19	2.89	3	V	178	1.50	-
5240MHz	Pass	PK	5.2328G	113.12	Inf	-Inf	2.99	3	V	178	1.50	-
5240MHz	Pass	PK	5.3552G	59.40	74.00	-14.60	3.12	3	V	178	1.50	-
5240MHz	Pass	AV	10.48G	44.23	54.00	-9.77	13.10	3	H	360	1.50	-
5240MHz	Pass	PK	10.48G	55.76	74.00	-18.24	13.10	3	H	360	1.50	-
5240MHz	Pass	AV	10.48G	44.31	54.00	-9.69	13.10	3	V	0	1.50	-
5240MHz	Pass	PK	10.48G	55.61	74.00	-18.39	13.10	3	V	0	1.50	-
5260MHz	Pass	AV	5.149G	45.19	54.00	-8.81	2.90	3	V	141	2.18	-
5260MHz	Pass	AV	5.2612G	105.01	Inf	-Inf	3.02	3	V	141	2.18	-
5260MHz	Pass	AV	5.3548G	50.70	54.00	-3.30	3.11	3	V	141	2.18	-
5260MHz	Pass	PK	5.1274G	57.47	74.00	-16.53	2.88	3	V	141	2.18	-
5260MHz	Pass	PK	5.2618G	114.07	Inf	-Inf	3.02	3	V	141	2.18	-
5260MHz	Pass	PK	5.3548G	66.68	74.00	-7.32	3.11	3	V	141	2.18	-
5260MHz	Pass	AV	10.52G	44.43	54.00	-9.57	13.20	3	H	360	1.50	-
5260MHz	Pass	PK	10.52G	56.21	74.00	-17.79	13.20	3	H	360	1.50	-



FCC Test Report

Report No. : FR750813AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	10.52G	44.51	54.00	-9.49	13.20	3	V	0	1.50	-
5260MHz	Pass	PK	10.52G	55.77	74.00	-18.23	13.20	3	V	0	1.50	-
5300MHz	Pass	AV	5.302G	103.26	Inf	-Inf	3.06	3	V	147	1.89	-
5300MHz	Pass	AV	5.3508G	53.11	54.00	-0.89	3.11	3	V	147	1.89	-
5300MHz	Pass	PK	5.3024G	111.34	Inf	-Inf	3.06	3	V	147	1.89	-
5300MHz	Pass	PK	5.352G	71.92	74.00	-2.08	3.11	3	V	147	1.89	-
5300MHz	Pass	AV	10.6G	45.02	54.00	-8.98	13.41	3	H	0	1.50	-
5300MHz	Pass	PK	10.6G	56.65	74.00	-17.35	13.41	3	H	0	1.50	-
5300MHz	Pass	AV	10.6G	44.90	54.00	-9.10	13.41	3	V	360	1.50	-
5300MHz	Pass	PK	10.6G	57.11	74.00	-16.89	13.41	3	V	360	1.50	-
5320MHz	Pass	AV	5.3212G	109.50	Inf	-Inf	3.08	3	V	138	2.02	-
5320MHz	Pass	AV	5.3504G	53.51	54.00	-0.49	3.11	3	V	138	2.02	-
5320MHz	Pass	PK	5.3218G	117.53	Inf	-Inf	3.08	3	V	138	2.02	-
5320MHz	Pass	PK	5.3506G	71.13	74.00	-2.87	3.11	3	V	138	2.02	-
5320MHz	Pass	AV	10.64G	44.96	54.00	-9.04	13.52	3	H	360	1.50	-
5320MHz	Pass	PK	10.64G	56.93	74.00	-17.07	13.52	3	H	360	1.50	-
5320MHz	Pass	AV	10.64G	44.73	54.00	-9.27	13.52	3	V	0	1.50	-
5320MHz	Pass	PK	10.64G	56.14	74.00	-17.86	13.52	3	V	0	1.50	-
5500MHz	Pass	AV	5.4588G	50.04	54.00	-3.96	3.22	3	V	217	1.33	-
5500MHz	Pass	AV	5.4986G	107.34	Inf	-Inf	3.27	3	V	217	1.33	-
5500MHz	Pass	PK	5.458G	62.62	74.00	-11.38	3.22	3	V	217	1.33	-
5500MHz	Pass	PK	5.4692G	68.06	68.20	-0.14	3.24	3	V	217	1.33	-
5500MHz	Pass	PK	5.4986G	114.96	Inf	-Inf	3.27	3	V	217	1.33	-
5500MHz	Pass	AV	11G	45.59	54.00	-8.41	14.46	3	H	0	1.50	-
5500MHz	Pass	PK	11G	57.68	74.00	-16.32	14.46	3	H	0	1.50	-
5500MHz	Pass	AV	11G	45.57	54.00	-8.43	14.46	3	V	360	1.50	-
5500MHz	Pass	PK	11G	57.26	74.00	-16.74	14.46	3	V	360	1.50	-
5580MHz	Pass	AV	5.43G	53.09	54.00	-0.91	3.19	3	V	137	1.50	-
5580MHz	Pass	AV	5.5788G	116.63	Inf	-Inf	3.33	3	V	137	1.50	-
5580MHz	Pass	PK	5.457G	64.80	74.00	-9.20	3.22	3	V	137	1.50	-
5580MHz	Pass	PK	5.4684G	67.63	68.20	-0.57	3.24	3	V	137	1.50	-
5580MHz	Pass	PK	5.5794G	124.92	Inf	-Inf	3.33	3	V	137	1.50	-
5580MHz	Pass	PK	5.7288G	62.66	68.20	-5.54	3.46	3	V	137	1.50	-
5580MHz	Pass	AV	11.16G	45.35	54.00	-8.65	14.19	3	H	360	1.50	-
5580MHz	Pass	PK	11.16G	57.12	74.00	-16.88	14.19	3	H	360	1.50	-
5580MHz	Pass	AV	11.16G	45.30	54.00	-8.70	14.19	3	V	0	1.50	-
5580MHz	Pass	PK	11.16G	57.00	74.00	-17.00	14.19	3	V	0	1.50	-
5700MHz	Pass	AV	5.6976G	107.01	Inf	-Inf	3.44	3	V	134	2.02	-
5700MHz	Pass	PK	5.6976G	115.05	Inf	-Inf	3.44	3	V	134	2.02	-
5700MHz	Pass	PK	5.727G	67.64	68.20	-0.56	3.46	3	V	134	2.02	-
5700MHz	Pass	AV	11.4G	43.91	54.00	-10.09	13.78	3	H	0	1.50	-
5700MHz	Pass	PK	11.4G	56.75	74.00	-17.25	13.78	3	H	0	1.50	-
5700MHz	Pass	AV	11.4G	44.42	54.00	-9.58	13.78	3	V	360	1.50	-
5700MHz	Pass	PK	11.4G	55.85	74.00	-18.15	13.78	3	V	360	1.50	-
5745MHz	Pass	AV	11.49G	37.38	54.00	-16.62	13.63	3	H	0	1.50	-
5745MHz	Pass	PK	11.49G	48.76	74.00	-25.24	13.63	3	H	0	1.50	-
5745MHz	Pass	AV	5.7438G	115.60	Inf	-Inf	3.47	3	V	140	1.94	-
5745MHz	Pass	AV	11.49G	37.96	54.00	-16.04	13.63	3	V	360	1.50	-



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Report No. : FR750813AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	5.4978G	67.33	68.20	-0.87	3.27	3	V	140	1.94	-
5745MHz	Pass	PK	5.7438G	124.23	Inf	-Inf	3.47	3	V	140	1.94	-
5745MHz	Pass	PK	5.9778G	61.57	68.20	-6.63	3.66	3	V	140	1.94	-
5745MHz	Pass	PK	11.49G	48.54	74.00	-25.46	13.63	3	V	360	1.50	-
5785MHz	Pass	AV	5.7838G	108.94	Inf	-Inf	3.50	3	V	142	1.89	-
5785MHz	Pass	PK	5.6278G	66.44	68.20	-1.76	3.38	3	V	142	1.89	-
5785MHz	Pass	PK	5.7838G	118.75	Inf	-Inf	3.50	3	V	142	1.89	-
5785MHz	Pass	PK	5.9398G	63.41	68.20	-4.79	3.63	3	V	142	1.89	-
5785MHz	Pass	AV	11.57G	43.66	54.00	-10.34	13.49	3	H	360	1.50	-
5785MHz	Pass	PK	11.57G	55.23	74.00	-18.77	13.49	3	H	360	1.50	-
5785MHz	Pass	AV	11.57G	43.88	54.00	-10.12	13.49	3	V	0	1.50	-
5785MHz	Pass	PK	11.57G	55.80	74.00	-18.20	13.49	3	V	0	1.50	-
5825MHz	Pass	AV	5.8238G	106.58	Inf	-Inf	3.53	3	V	142	1.50	-
5825MHz	Pass	PK	5.5742G	58.04	68.20	-10.16	3.33	3	V	142	1.50	-
5825MHz	Pass	PK	5.8238G	115.95	Inf	-Inf	3.53	3	V	142	1.50	-
5825MHz	Pass	PK	5.9234G	68.81	69.38	-0.57	3.62	3	V	142	1.50	-
5825MHz	Pass	AV	11.65G	43.87	54.00	-10.13	13.35	3	H	0	1.50	-
5825MHz	Pass	PK	11.65G	55.59	74.00	-18.41	13.35	3	H	0	1.50	-
5825MHz	Pass	AV	11.65G	43.77	54.00	-10.23	13.35	3	V	360	1.50	-
5825MHz	Pass	PK	11.65G	55.23	74.00	-18.77	13.35	3	V	360	1.50	-
802.11ac VHT20_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.51	54.00	-0.49	2.90	3	V	136	2.19	-
5180MHz	Pass	AV	5.1856G	102.00	Inf	-Inf	2.94	3	V	136	2.19	-
5180MHz	Pass	PK	5.1434G	68.91	74.00	-5.09	2.89	3	V	136	2.19	-
5180MHz	Pass	PK	5.1756G	110.32	Inf	-Inf	2.93	3	V	136	2.19	-
5180MHz	Pass	AV	10.36G	43.63	54.00	-10.37	12.78	3	H	360	1.50	-
5180MHz	Pass	PK	10.36G	56.80	74.00	-17.20	12.78	3	H	360	1.50	-
5180MHz	Pass	AV	10.36G	43.61	54.00	-10.39	12.78	3	V	360	1.50	-
5180MHz	Pass	PK	10.36G	55.71	74.00	-18.29	12.78	3	V	360	1.50	-
5200MHz	Pass	AV	5.149995G	53.40	54.00	-0.60	2.90	3	V	134	2.15	-
5200MHz	Pass	AV	5.2056G	106.35	Inf	-Inf	2.96	3	V	134	2.15	-
5200MHz	Pass	PK	5.149995G	69.14	74.00	-4.86	2.90	3	V	134	2.15	-
5200MHz	Pass	PK	5.2056G	114.96	Inf	-Inf	2.96	3	V	134	2.15	-
5200MHz	Pass	AV	10.4G	43.95	54.00	-10.05	12.89	3	H	0	1.50	-
5200MHz	Pass	PK	10.4G	56.38	74.00	-17.62	12.89	3	H	0	1.50	-
5200MHz	Pass	AV	10.4G	44.00	54.00	-10.00	12.89	3	V	360	1.50	-
5200MHz	Pass	PK	10.4G	55.41	74.00	-18.59	12.89	3	V	360	1.50	-
5240MHz	Pass	AV	5.1482G	53.59	54.00	-0.41	2.90	3	V	137	2.13	-
5240MHz	Pass	AV	5.2358G	109.72	Inf	-Inf	2.99	3	V	137	2.13	-
5240MHz	Pass	AV	5.351G	50.06	54.00	-3.94	3.11	3	V	137	2.13	-
5240MHz	Pass	PK	5.1476G	65.20	74.00	-8.80	2.90	3	V	137	2.13	-
5240MHz	Pass	PK	5.246G	118.91	Inf	-Inf	3.00	3	V	137	2.13	-
5240MHz	Pass	PK	5.351G	64.12	74.00	-9.88	3.11	3	V	137	2.13	-
5240MHz	Pass	AV	10.48G	44.05	54.00	-9.95	13.10	3	H	360	1.50	-
5240MHz	Pass	PK	10.48G	55.89	74.00	-18.11	13.10	3	H	360	1.50	-
5240MHz	Pass	AV	10.48G	44.07	54.00	-9.93	13.10	3	V	0	1.50	-
5240MHz	Pass	PK	10.48G	55.99	74.00	-18.01	13.10	3	V	0	1.50	-
5260MHz	Pass	AV	5.149995G	47.82	54.00	-6.18	2.90	3	V	139	1.80	-



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Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	5.2552G	108.88	Inf	-Inf	3.01	3	V	139	1.80	-
5260MHz	Pass	AV	5.3506G	53.19	54.00	-0.81	3.11	3	V	139	1.80	-
5260MHz	Pass	PK	5.1472G	60.14	74.00	-13.86	2.90	3	V	139	1.80	-
5260MHz	Pass	PK	5.2552G	118.57	Inf	-Inf	3.01	3	V	139	1.80	-
5260MHz	Pass	PK	5.3554G	66.46	74.00	-7.54	3.12	3	V	139	1.80	-
5260MHz	Pass	AV	10.52G	43.94	54.00	-10.06	13.20	3	H	0	1.50	-
5260MHz	Pass	PK	10.52G	55.83	74.00	-18.17	13.20	3	H	0	1.50	-
5260MHz	Pass	AV	10.52G	43.94	54.00	-10.06	13.20	3	V	360	1.50	-
5260MHz	Pass	PK	10.52G	55.84	74.00	-18.16	13.20	3	V	360	1.50	-
5300MHz	Pass	AV	5.2956G	106.59	Inf	-Inf	3.06	3	V	139	1.93	-
5300MHz	Pass	AV	5.350005G	53.55	54.00	-0.45	3.11	3	V	139	1.93	-
5300MHz	Pass	PK	5.3004G	114.98	Inf	-Inf	3.06	3	V	139	1.93	-
5300MHz	Pass	PK	5.350005G	69.17	74.00	-4.83	3.11	3	V	139	1.93	-
5300MHz	Pass	AV	10.6G	44.98	54.00	-9.02	13.41	3	H	0	1.50	-
5300MHz	Pass	PK	10.6G	56.35	74.00	-17.65	13.41	3	H	0	1.50	-
5300MHz	Pass	AV	10.6G	44.05	54.00	-9.95	13.41	3	V	360	1.50	-
5300MHz	Pass	PK	10.6G	56.76	74.00	-17.24	13.41	3	V	360	1.50	-
5320MHz	Pass	AV	5.3154G	102.39	Inf	-Inf	3.08	3	V	135	2.14	-
5320MHz	Pass	AV	5.3502G	53.12	54.00	-0.88	3.11	3	V	135	2.14	-
5320MHz	Pass	PK	5.325G	111.25	Inf	-Inf	3.08	3	V	135	2.14	-
5320MHz	Pass	PK	5.3518G	69.67	74.00	-4.33	3.11	3	V	135	2.14	-
5320MHz	Pass	AV	10.64G	45.67	54.00	-8.33	13.52	3	H	360	1.50	-
5320MHz	Pass	PK	10.64G	57.93	74.00	-16.07	13.52	3	H	360	1.50	-
5320MHz	Pass	AV	10.64G	46.28	54.00	-7.72	13.52	3	V	0	1.50	-
5320MHz	Pass	PK	10.64G	58.46	74.00	-15.54	13.52	3	V	0	1.50	-
5500MHz	Pass	AV	5.46G	44.49	54.00	-9.51	3.23	3	V	141	1.86	-
5500MHz	Pass	AV	5.4954G	99.60	Inf	-Inf	3.26	3	V	141	1.86	-
5500MHz	Pass	PK	5.46G	59.61	74.00	-14.39	3.23	3	V	141	1.86	-
5500MHz	Pass	PK	5.4654G	67.44	68.20	-0.76	3.23	3	V	141	1.86	-
5500MHz	Pass	PK	5.5052G	109.12	Inf	-Inf	3.27	3	V	141	1.86	-
5500MHz	Pass	AV	11G	46.68	54.00	-7.32	14.46	3	H	0	1.50	-
5500MHz	Pass	PK	11G	57.30	74.00	-16.70	14.46	3	H	0	1.50	-
5500MHz	Pass	AV	11G	46.59	54.00	-7.41	14.46	3	V	360	1.50	-
5500MHz	Pass	PK	11G	58.53	74.00	-15.47	14.46	3	V	360	1.50	-
5580MHz	Pass	AV	5.4564G	47.88	54.00	-6.12	3.22	3	V	146	1.95	-
5580MHz	Pass	AV	5.46G	47.17	54.00	-6.83	3.23	3	V	146	1.95	-
5580MHz	Pass	AV	5.5752G	108.30	Inf	-Inf	3.33	3	V	146	1.95	-
5580MHz	Pass	PK	5.4588G	64.54	74.00	-9.46	3.22	3	V	146	1.95	-
5580MHz	Pass	PK	5.4684G	67.39	68.20	-0.81	3.24	3	V	146	1.95	-
5580MHz	Pass	PK	5.5752G	118.81	Inf	-Inf	3.33	3	V	146	1.95	-
5580MHz	Pass	PK	5.7264G	63.52	68.20	-4.68	3.46	3	V	146	1.95	-
5580MHz	Pass	AV	11.16G	46.32	54.00	-7.68	14.19	3	H	0	1.50	-
5580MHz	Pass	PK	11.16G	58.39	74.00	-15.61	14.19	3	H	0	1.50	-
5580MHz	Pass	AV	11.16G	46.38	54.00	-7.62	14.19	3	V	360	1.50	-
5580MHz	Pass	PK	11.16G	57.37	74.00	-16.63	14.19	3	V	360	1.50	-
5700MHz	Pass	AV	5.7056G	97.45	Inf	-Inf	3.44	3	V	146	1.99	-
5700MHz	Pass	PK	5.6952G	106.90	Inf	-Inf	3.44	3	V	146	1.99	-
5700MHz	Pass	PK	5.7256G	67.80	68.20	-0.40	3.46	3	V	146	1.99	-



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Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5700MHz	Pass	AV	11.4G	45.77	54.00	-8.23	13.78	3	H	0	1.50	-
5700MHz	Pass	PK	11.4G	57.08	74.00	-16.92	13.78	3	H	0	1.50	-
5700MHz	Pass	AV	11.4G	45.82	54.00	-8.18	13.78	3	V	360	1.50	-
5700MHz	Pass	PK	11.4G	56.97	74.00	-17.03	13.78	3	V	360	1.50	-
5745MHz	Pass	AV	11.49G	45.73	54.00	-8.27	13.63	3	H	360	1.50	-
5745MHz	Pass	PK	11.49G	56.76	74.00	-17.24	13.63	3	H	360	1.50	-
5745MHz	Pass	AV	5.7402G	99.74	Inf	-Inf	3.47	3	V	149	1.87	-
5745MHz	Pass	AV	11.49G	45.74	54.00	-8.26	13.63	3	V	0	1.50	-
5745MHz	Pass	PK	5.6478G	67.61	68.20	-0.59	3.39	3	V	149	1.87	-
5745MHz	Pass	PK	5.7402G	111.35	Inf	-Inf	3.47	3	V	149	1.87	-
5745MHz	Pass	PK	5.931G	54.53	68.20	-13.67	3.62	3	V	149	1.87	-
5745MHz	Pass	PK	11.49G	57.08	74.00	-16.92	13.63	3	V	0	1.50	-
5785MHz	Pass	AV	5.7886G	99.87	Inf	-Inf	3.50	3	V	125	1.98	-
5785MHz	Pass	PK	5.6398G	60.08	68.20	-8.12	3.39	3	V	125	1.98	-
5785MHz	Pass	PK	5.7778G	111.47	Inf	-Inf	3.49	3	V	125	1.98	-
5785MHz	Pass	PK	5.9278G	59.28	68.20	-8.92	3.62	3	V	125	1.98	-
5785MHz	Pass	AV	11.57G	45.50	54.00	-8.50	13.49	3	H	0	1.50	-
5785MHz	Pass	PK	11.57G	57.06	74.00	-16.94	13.49	3	H	0	1.50	-
5785MHz	Pass	AV	11.57G	45.50	54.00	-8.50	13.49	3	V	360	1.50	-
5785MHz	Pass	PK	11.57G	56.70	74.00	-17.30	13.49	3	V	360	1.50	-
5825MHz	Pass	AV	11.65G	45.50	54.00	-8.50	13.35	3	H	360	1.50	-
5825MHz	Pass	PK	11.65G	56.75	74.00	-17.25	13.35	3	H	360	1.50	-
5825MHz	Pass	AV	5.8226G	99.93	Inf	-Inf	3.53	3	V	141	2.01	-
5825MHz	Pass	AV	11.65G	45.53	54.00	-8.47	13.35	3	V	0	1.50	-
5825MHz	Pass	PK	5.5874G	55.77	68.20	-12.43	3.34	3	V	141	2.01	-
5825MHz	Pass	PK	5.8166G	109.87	Inf	-Inf	3.52	3	V	141	2.01	-
5825MHz	Pass	PK	5.927G	65.06	68.20	-3.14	3.62	3	V	141	2.01	-
5825MHz	Pass	PK	11.65G	56.24	74.00	-17.76	13.35	3	V	0	1.50	-
802.11ac VHT40_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	53.55	54.00	-0.45	2.90	3	V	141	2.09	-
5190MHz	Pass	AV	5.1956G	99.05	Inf	-Inf	2.95	3	V	141	2.09	-
5190MHz	Pass	PK	5.149995G	71.04	74.00	-2.96	2.90	3	V	141	2.09	-
5190MHz	Pass	PK	5.1956G	108.06	Inf	-Inf	2.95	3	V	141	2.09	-
5190MHz	Pass	AV	10.38G	43.86	54.00	-10.14	12.84	3	H	0	1.50	-
5190MHz	Pass	PK	10.38G	55.42	74.00	-18.58	12.84	3	H	0	1.50	-
5190MHz	Pass	AV	10.38G	43.92	54.00	-10.08	12.84	3	V	360	1.50	-
5190MHz	Pass	PK	10.38G	55.95	74.00	-18.05	12.84	3	V	360	1.50	-
5230MHz	Pass	AV	5.1484G	52.96	54.00	-1.04	2.90	3	V	143	2.14	-
5230MHz	Pass	AV	5.2356G	104.70	Inf	-Inf	2.99	3	V	143	2.14	-
5230MHz	Pass	PK	5.144G	69.07	74.00	-4.93	2.89	3	V	143	2.14	-
5230MHz	Pass	PK	5.2404G	113.24	Inf	-Inf	2.99	3	V	143	2.14	-
5230MHz	Pass	AV	10.46G	44.10	54.00	-9.90	13.05	3	H	360	1.50	-
5230MHz	Pass	PK	10.46G	55.82	74.00	-18.18	13.05	3	H	360	1.50	-
5230MHz	Pass	AV	10.46G	44.01	54.00	-9.99	13.05	3	V	0	1.50	-
5230MHz	Pass	PK	10.46G	55.78	74.00	-18.22	13.05	3	V	0	1.50	-
5270MHz	Pass	AV	5.2756G	104.04	Inf	-Inf	3.03	3	V	145	2.14	-
5270MHz	Pass	AV	5.350005G	53.68	54.00	-0.32	3.11	3	V	145	2.14	-
5270MHz	Pass	PK	5.2808G	112.65	Inf	-Inf	3.04	3	V	145	2.14	-



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Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5270MHz	Pass	PK	5.3556G	71.33	74.00	-2.67	3.12	3	V	145	2.14	-
5270MHz	Pass	AV	10.54G	44.04	54.00	-9.96	13.25	3	H	0	1.50	-
5270MHz	Pass	PK	10.54G	55.72	74.00	-18.28	13.25	3	H	0	1.50	-
5270MHz	Pass	AV	10.54G	44.01	54.00	-9.99	13.25	3	V	360	1.50	-
5270MHz	Pass	PK	10.54G	56.21	74.00	-17.79	13.25	3	V	360	1.50	-
5310MHz	Pass	AV	5.3152G	96.42	Inf	-Inf	3.08	3	V	145	2.16	-
5310MHz	Pass	AV	5.3504G	53.81	54.00	-0.19	3.11	3	V	145	2.16	-
5310MHz	Pass	PK	5.3204G	105.58	Inf	-Inf	3.08	3	V	145	2.16	-
5310MHz	Pass	PK	5.3504G	72.34	74.00	-1.66	3.11	3	V	145	2.16	-
5310MHz	Pass	AV	10.62G	44.12	54.00	-9.88	13.46	3	H	360	1.50	-
5310MHz	Pass	PK	10.62G	56.07	74.00	-17.93	13.46	3	H	360	1.50	-
5310MHz	Pass	AV	10.62G	44.11	54.00	-9.89	13.46	3	V	0	1.50	-
5310MHz	Pass	PK	10.62G	55.54	74.00	-18.46	13.46	3	V	0	1.50	-
5510MHz	Pass	AV	5.46G	46.50	54.00	-7.50	3.23	3	V	147	1.50	-
5510MHz	Pass	AV	5.5052G	95.57	Inf	-Inf	3.27	3	V	147	1.50	-
5510MHz	Pass	PK	5.4552G	61.25	74.00	-12.75	3.22	3	V	147	1.50	-
5510MHz	Pass	PK	5.4696G	67.96	68.20	-0.24	3.24	3	V	147	1.50	-
5510MHz	Pass	PK	5.5156G	104.42	Inf	-Inf	3.28	3	V	147	1.50	-
5510MHz	Pass	AV	11.02G	45.19	54.00	-8.81	14.43	3	H	0	1.50	-
5510MHz	Pass	PK	11.02G	57.67	74.00	-16.33	14.43	3	H	0	1.50	-
5510MHz	Pass	AV	11.02G	45.23	54.00	-8.77	14.43	3	V	360	1.50	-
5510MHz	Pass	PK	11.02G	57.45	74.00	-16.55	14.43	3	V	360	1.50	-
5550MHz	Pass	AV	5.4576G	51.07	54.00	-2.93	3.22	3	V	152	1.97	-
5550MHz	Pass	AV	5.5552G	101.71	Inf	-Inf	3.31	3	V	152	1.97	-
5550MHz	Pass	PK	5.46G	64.53	74.00	-9.47	3.23	3	V	152	1.97	-
5550MHz	Pass	PK	5.468G	67.70	68.20	-0.50	3.23	3	V	152	1.97	-
5550MHz	Pass	PK	5.5556G	110.88	Inf	-Inf	3.31	3	V	152	1.97	-
5550MHz	Pass	AV	11.1G	45.13	54.00	-8.87	14.29	3	H	360	1.50	-
5550MHz	Pass	PK	11.1G	57.03	74.00	-16.97	14.29	3	H	360	1.50	-
5550MHz	Pass	AV	11.1G	45.20	54.00	-8.80	14.29	3	V	0	1.50	-
5550MHz	Pass	PK	11.1G	57.21	74.00	-16.79	14.29	3	V	0	1.50	-
5670MHz	Pass	AV	5.6652G	96.91	Inf	-Inf	3.41	3	V	152	1.49	-
5670MHz	Pass	PK	5.6604G	105.44	Inf	-Inf	3.40	3	V	152	1.49	-
5670MHz	Pass	PK	5.7252G	67.96	68.20	-0.24	3.46	3	V	152	1.49	-
5670MHz	Pass	AV	11.34G	44.46	54.00	-9.54	13.88	3	H	0	1.50	-
5670MHz	Pass	PK	11.34G	56.59	74.00	-17.41	13.88	3	H	0	1.50	-
5670MHz	Pass	AV	11.34G	44.43	54.00	-9.57	13.88	3	V	360	1.50	-
5670MHz	Pass	PK	11.34G	55.94	74.00	-18.06	13.88	3	V	360	1.50	-
5755MHz	Pass	AV	11.51G	44.22	54.00	-9.78	13.59	3	H	360	1.50	-
5755MHz	Pass	PK	11.51G	56.02	74.00	-17.98	13.59	3	H	360	1.50	-
5755MHz	Pass	AV	5.7454G	102.37	Inf	-Inf	3.47	3	V	154	1.82	-
5755MHz	Pass	AV	11.51G	44.26	54.00	-9.74	13.59	3	V	0	1.50	-
5755MHz	Pass	PK	5.6542G	70.76	71.31	-0.55	3.40	3	V	154	1.82	-
5755MHz	Pass	PK	5.7502G	112.16	Inf	-Inf	3.48	3	V	154	1.82	-
5755MHz	Pass	PK	5.9266G	57.71	68.20	-10.49	3.62	3	V	154	1.82	-
5755MHz	Pass	PK	11.51G	56.34	74.00	-17.66	13.59	3	V	0	1.50	-
5795MHz	Pass	AV	5.7806G	100.85	Inf	-Inf	3.50	3	V	156	1.50	-
5795MHz	Pass	PK	5.6498G	66.59	68.20	-1.61	3.39	3	V	156	1.50	-



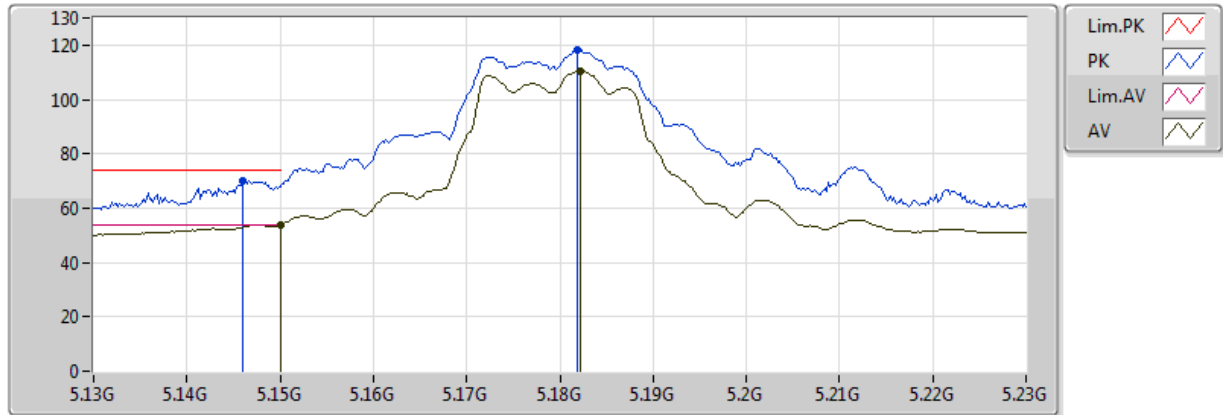
FCC Test Report

Report No. : FR750813AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	PK	5.8058G	109.72	Inf	-Inf	3.52	3	V	156	1.50	-
5795MHz	Pass	PK	5.9246G	66.66	68.50	-1.84	3.62	3	V	156	1.50	-
5795MHz	Pass	AV	11.59G	44.19	54.00	-9.81	13.46	3	H	0	1.50	-
5795MHz	Pass	PK	11.59G	56.11	74.00	-17.89	13.46	3	H	0	1.50	-
5795MHz	Pass	AV	11.59G	44.15	54.00	-9.85	13.46	3	V	360	1.50	-
5795MHz	Pass	PK	11.59G	55.67	74.00	-18.33	13.46	3	V	360	1.50	-
802.11ac VHT80_Nss1,(MCS0)_3TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.149995G	53.75	54.00	-0.25	2.90	3	V	144	2.19	-
5210MHz	Pass	AV	5.226G	92.91	Inf	-Inf	2.98	3	V	144	2.19	-
5210MHz	Pass	AV	5.355G	43.66	54.00	-10.34	3.11	3	V	144	2.19	-
5210MHz	Pass	PK	5.145G	66.42	74.00	-7.58	2.89	3	V	144	2.19	-
5210MHz	Pass	PK	5.226G	101.76	Inf	-Inf	2.98	3	V	144	2.19	-
5210MHz	Pass	PK	5.365G	54.55	74.00	-19.45	3.12	3	V	144	2.19	-
5210MHz	Pass	AV	10.42G	43.65	54.00	-10.35	12.94	3	H	360	1.50	-
5210MHz	Pass	PK	10.42G	55.50	74.00	-18.50	12.94	3	H	360	1.50	-
5210MHz	Pass	AV	10.42G	43.73	54.00	-10.27	12.94	3	V	0	1.50	-
5210MHz	Pass	PK	10.42G	55.15	74.00	-18.85	12.94	3	V	0	1.50	-
5290MHz	Pass	AV	10.58G	43.90	54.00	-10.10	13.36	3	H	0	1.50	-
5290MHz	Pass	PK	10.58G	55.87	74.00	-18.13	13.36	3	H	0	1.50	-
5290MHz	Pass	AV	5.115G	43.23	54.00	-10.77	2.86	3	V	144	2.13	-
5290MHz	Pass	AV	5.28G	91.09	Inf	-Inf	3.04	3	V	144	2.13	-
5290MHz	Pass	AV	5.350005G	53.46	54.00	-0.54	3.11	3	V	144	2.13	-
5290MHz	Pass	AV	10.58G	43.93	54.00	-10.07	13.36	3	V	360	1.50	-
5290MHz	Pass	PK	5.095G	54.16	74.00	-19.84	2.84	3	V	144	2.13	-
5290MHz	Pass	PK	5.305G	100.45	Inf	-Inf	3.07	3	V	144	2.13	-
5290MHz	Pass	PK	5.355G	66.82	74.00	-7.18	3.11	3	V	144	2.13	-
5290MHz	Pass	PK	5.527G	53.91	68.20	-14.29	3.29	3	V	144	2.13	-
5290MHz	Pass	PK	10.58G	55.42	74.00	-18.58	13.36	3	V	360	1.50	-
5530MHz	Pass	AV	11.06G	45.19	54.00	-8.81	14.36	3	H	360	1.50	-
5530MHz	Pass	PK	11.06G	56.64	74.00	-17.36	14.36	3	H	360	1.50	-
5530MHz	Pass	AV	5.46G	49.36	54.00	-4.64	3.23	3	V	161	1.52	-
5530MHz	Pass	AV	5.54G	91.27	Inf	-Inf	3.30	3	V	161	1.52	-
5530MHz	Pass	AV	11.06G	45.17	54.00	-8.83	14.36	3	V	0	1.50	-
5530MHz	Pass	PK	5.288G	53.34	68.20	-14.86	3.05	3	V	161	1.52	-
5530MHz	Pass	PK	5.46G	62.69	74.00	-11.31	3.23	3	V	161	1.52	-
5530MHz	Pass	PK	5.461G	66.73	68.20	-1.47	3.23	3	V	161	1.52	-
5530MHz	Pass	PK	5.545G	100.69	Inf	-Inf	3.31	3	V	161	1.52	-
5530MHz	Pass	PK	5.727G	53.60	68.20	-14.60	3.46	3	V	161	1.52	-
5530MHz	Pass	PK	11.06G	57.18	74.00	-16.82	14.36	3	V	0	1.50	-
5775MHz	Pass	AV	5.745G	97.16	Inf	-Inf	3.47	3	V	152	1.76	-
5775MHz	Pass	PK	5.6454G	67.00	68.20	-1.20	3.39	3	V	152	1.76	-
5775MHz	Pass	PK	5.745G	106.29	Inf	-Inf	3.47	3	V	152	1.76	-
5775MHz	Pass	PK	5.9322G	62.79	68.20	-5.41	3.63	3	V	152	1.76	-
5775MHz	Pass	AV	11.55G	44.16	54.00	-9.84	13.52	3	H	0	1.50	-
5775MHz	Pass	PK	11.55G	55.84	74.00	-18.16	13.52	3	H	0	1.50	-
5775MHz	Pass	AV	11.55G	44.09	54.00	-9.91	13.52	3	V	360	1.50	-
5775MHz	Pass	PK	11.55G	55.63	74.00	-18.37	13.52	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

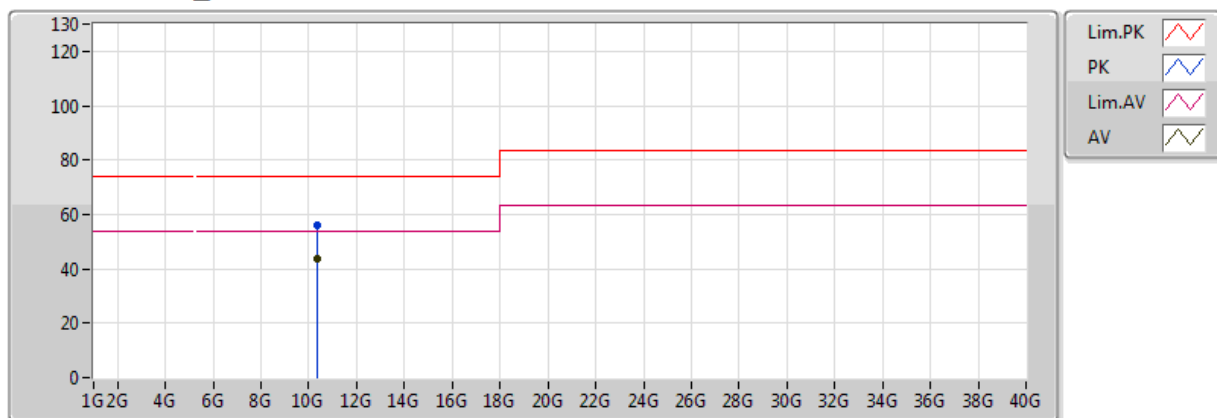


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.77	54.00	-0.23	2.90	3	V	137	1.96	-
AV	5.1822G	110.43	Inf	-Inf	2.93	3	V	137	1.96	-
PK	5.146G	70.05	74.00	-3.95	2.90	3	V	137	1.96	-
PK	5.1818G	118.48	Inf	-Inf	2.93	3	V	137	1.96	-

802.11a_(6Mbps)_3TX

5180MHz_TX

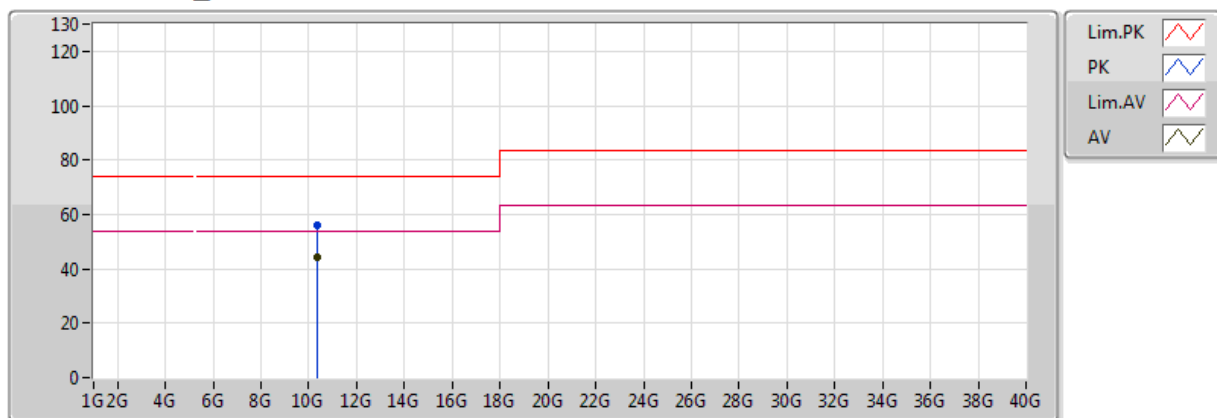


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.53	54.00	-10.47	12.78	3	V	0	1.50	-
PK	10.36G	55.93	74.00	-18.07	12.78	3	V	0	1.50	-

802.11a_(6Mbps)_3TX

5180MHz_TX

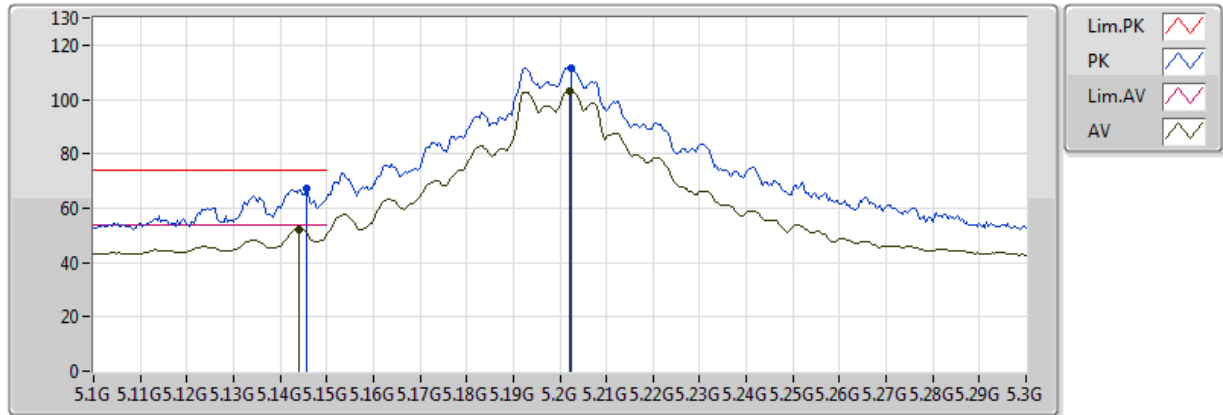


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	44.42	54.00	-9.58	12.78	3	H	360	1.50	-
PK	10.36G	56.25	74.00	-17.75	12.78	3	H	360	1.50	-

802.11a_(6Mbps)_3TX

5200MHz_TX

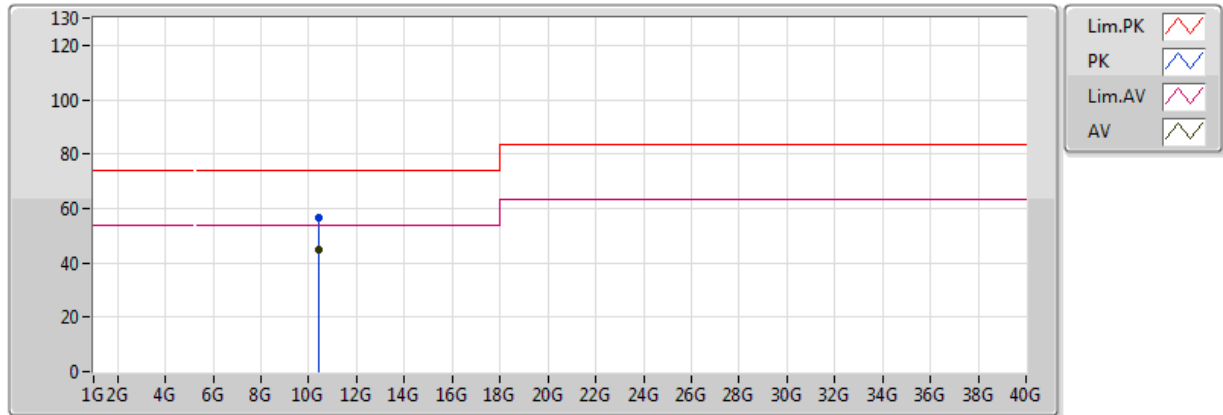


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.144G	52.34	54.00	-1.66	2.89	3	V	145	2.05	-
AV	5.202G	103.38	Inf	-Inf	2.95	3	V	145	2.05	-
PK	5.1456G	67.00	74.00	-7.00	2.90	3	V	145	2.05	-
PK	5.2024G	111.64	Inf	-Inf	2.95	3	V	145	2.05	-

802.11a_(6Mbps)_3TX

5200MHz_TX

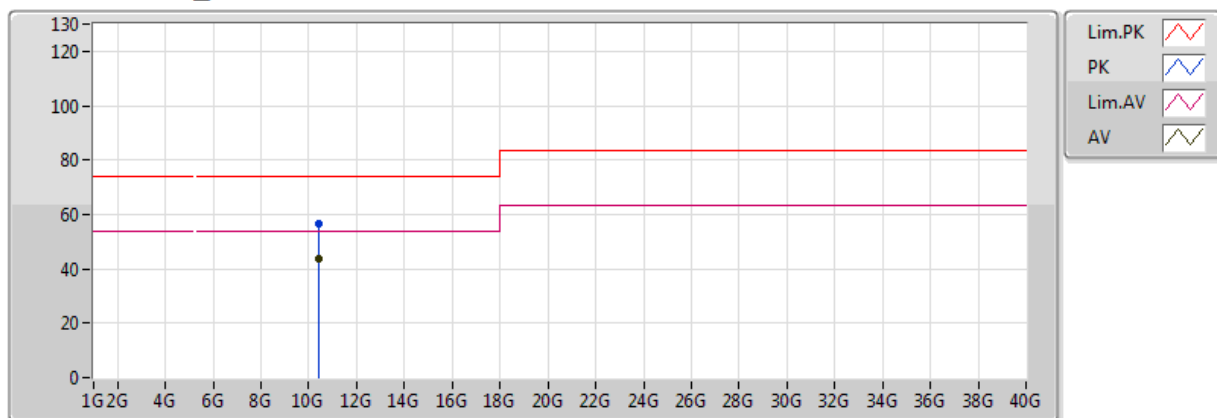


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	44.77	54.00	-9.23	12.89	3	V	360	1.50	-
PK	10.4G	56.40	74.00	-17.60	12.89	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5200MHz_TX

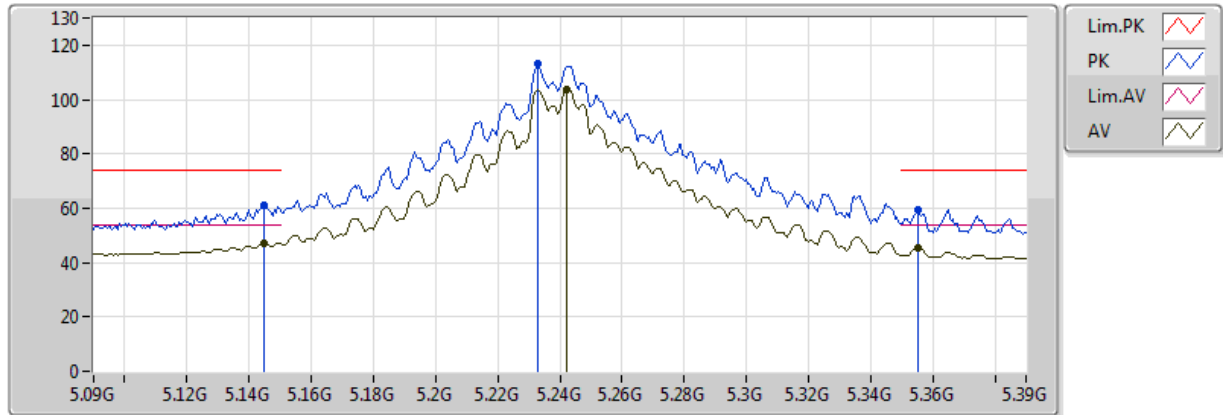


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	43.50	54.00	-10.50	12.89	3	H	0	1.50	-
PK	10.4G	56.78	74.00	-17.22	12.89	3	H	0	1.50	-

802.11a_(6Mbps)_3TX

5240MHz_TX

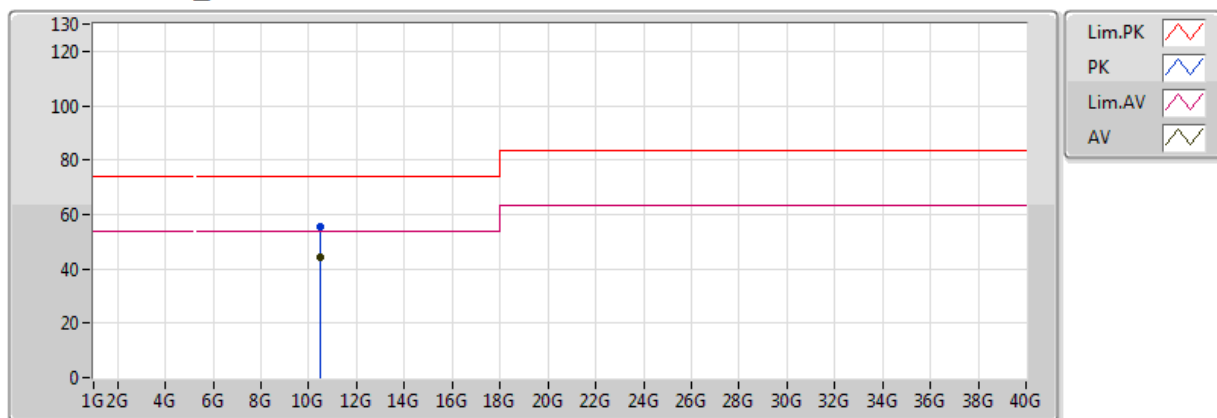


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1446G	47.34	54.00	-6.66	2.89	3	V	178	1.50	-
AV	5.2424G	103.43	Inf	-Inf	3.00	3	V	178	1.50	-
AV	5.3552G	45.18	54.00	-8.82	3.12	3	V	178	1.50	-
PK	5.1446G	60.81	74.00	-13.19	2.89	3	V	178	1.50	-
PK	5.2328G	113.12	Inf	-Inf	2.99	3	V	178	1.50	-
PK	5.3552G	59.40	74.00	-14.60	3.12	3	V	178	1.50	-

802.11a_(6Mbps)_3TX

5240MHz_TX

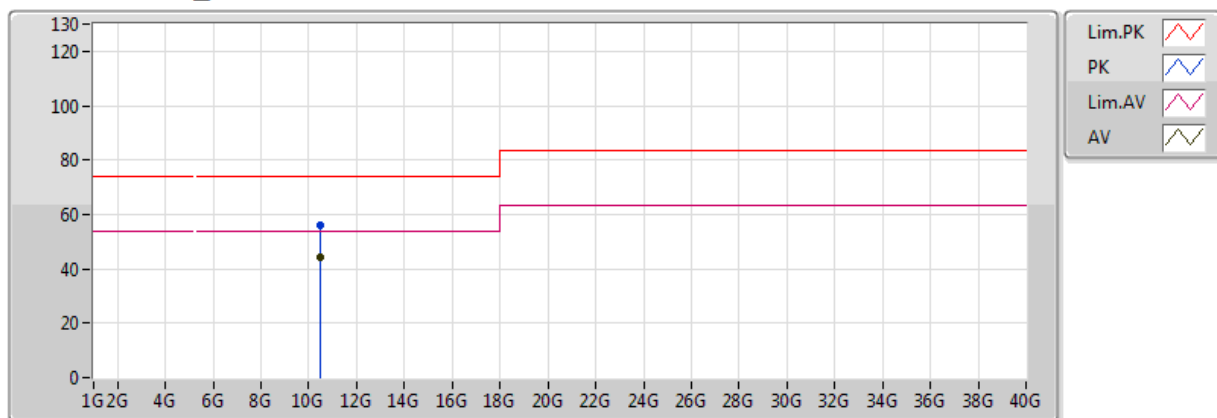


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	44.31	54.00	-9.69	13.10	3	V	0	1.50	-
PK	10.48G	55.61	74.00	-18.39	13.10	3	V	0	1.50	-

802.11a_(6Mbps)_3TX

5240MHz_TX

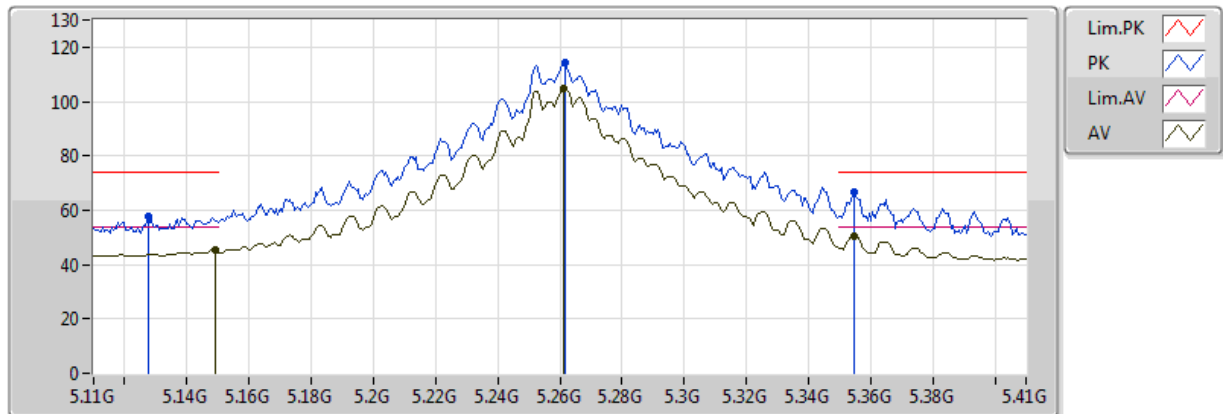


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	44.23	54.00	-9.77	13.10	3	H	360	1.50	-
PK	10.48G	55.76	74.00	-18.24	13.10	3	H	360	1.50	-

802.11a_(6Mbps)_3TX

5260MHz_TX

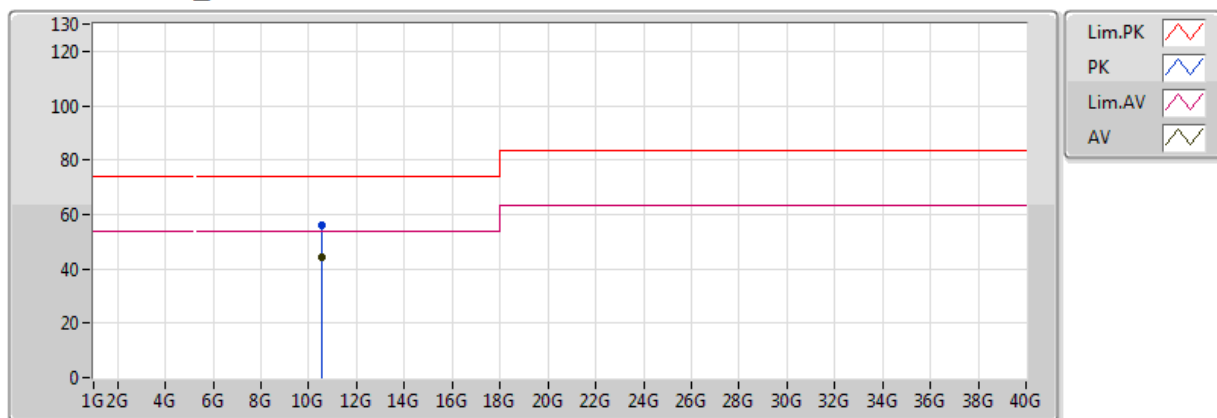


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149G	45.19	54.00	-8.81	2.90	3	V	141	2.18	-
AV	5.2612G	105.01	Inf	-Inf	3.02	3	V	141	2.18	-
AV	5.3548G	50.70	54.00	-3.30	3.11	3	V	141	2.18	-
PK	5.1274G	57.47	74.00	-16.53	2.88	3	V	141	2.18	-
PK	5.2618G	114.07	Inf	-Inf	3.02	3	V	141	2.18	-
PK	5.3548G	66.68	74.00	-7.32	3.11	3	V	141	2.18	-

802.11a_(6Mbps)_3TX

5260MHz_TX

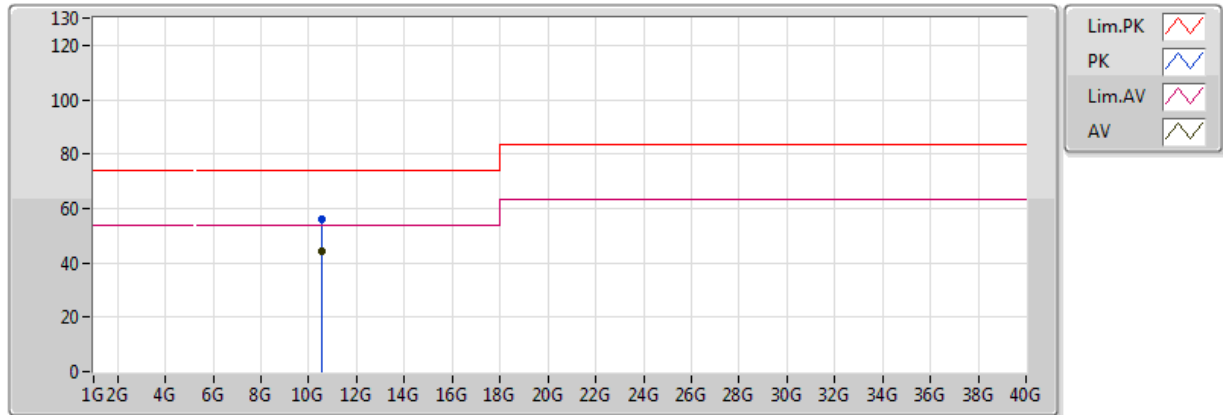


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.52G	44.51	54.00	-9.49	13.20	3	V	0	1.50	-
PK	10.52G	55.77	74.00	-18.23	13.20	3	V	0	1.50	-

802.11a_(6Mbps)_3TX

5260MHz_TX

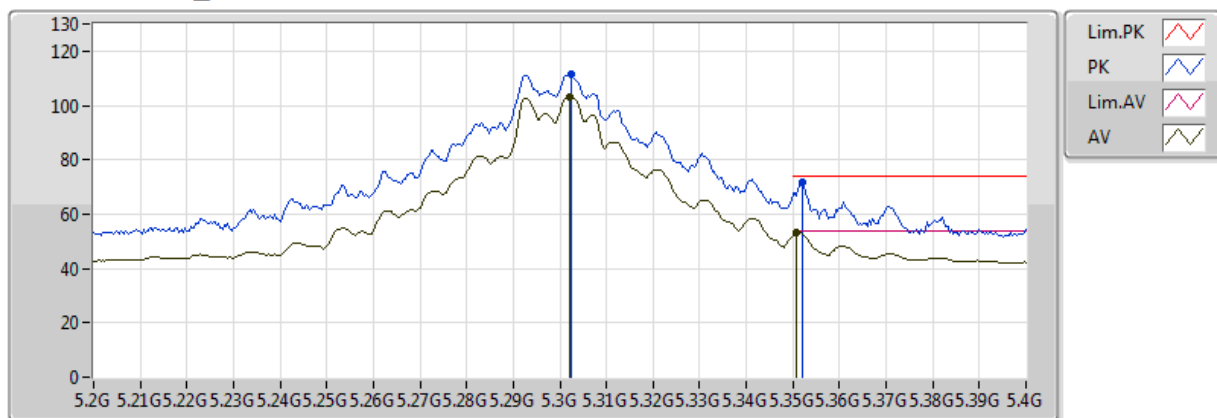


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.52G	44.43	54.00	-9.57	13.20	3	H	360	1.50	-
PK	10.52G	56.21	74.00	-17.79	13.20	3	H	360	1.50	-

802.11a_(6Mbps)_3TX

5300MHz_TX

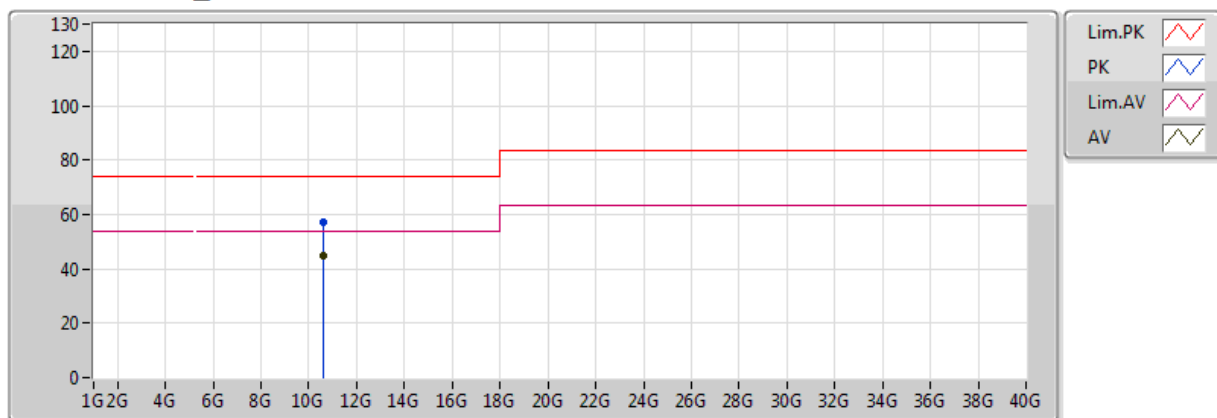


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.302G	103.26	Inf	-Inf	3.06	3	V	147	1.89	-
AV	5.3508G	53.11	54.00	-0.89	3.11	3	V	147	1.89	-
PK	5.3024G	111.34	Inf	-Inf	3.06	3	V	147	1.89	-
PK	5.352G	71.92	74.00	-2.08	3.11	3	V	147	1.89	-

802.11a_(6Mbps)_3TX

5300MHz_TX

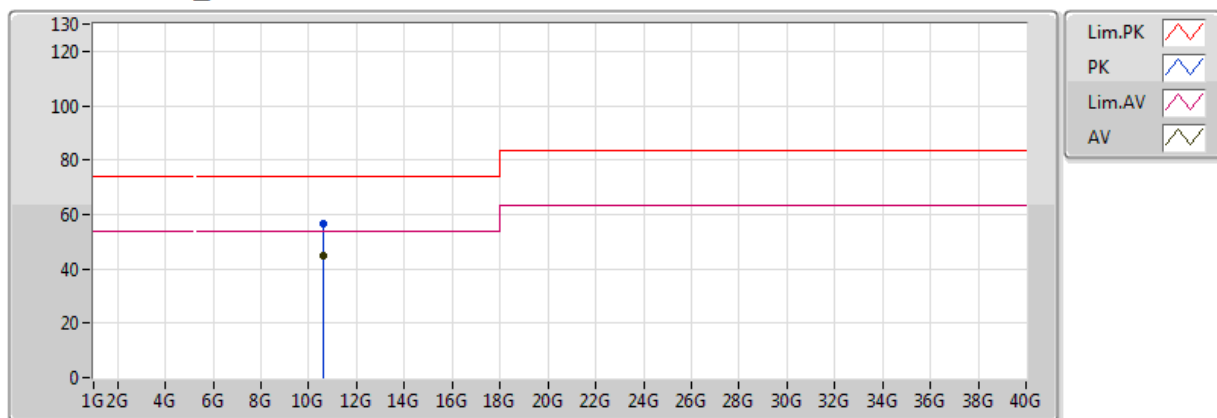


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	44.90	54.00	-9.10	13.41	3	V	360	1.50	-
PK	10.6G	57.11	74.00	-16.89	13.41	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5300MHz_TX

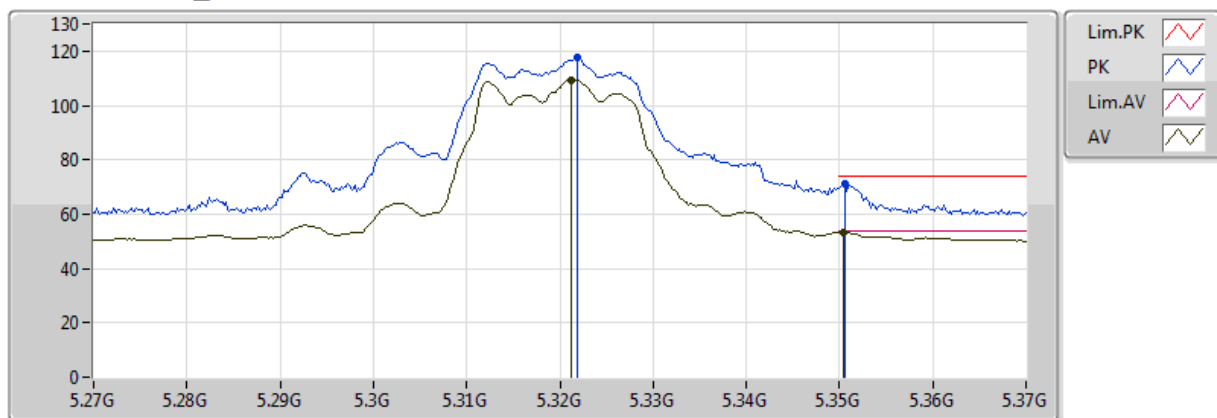


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	45.02	54.00	-8.98	13.41	3	H	0	1.50	-
PK	10.6G	56.65	74.00	-17.35	13.41	3	H	0	1.50	-

802.11a_(6Mbps)_3TX

5320MHz_TX

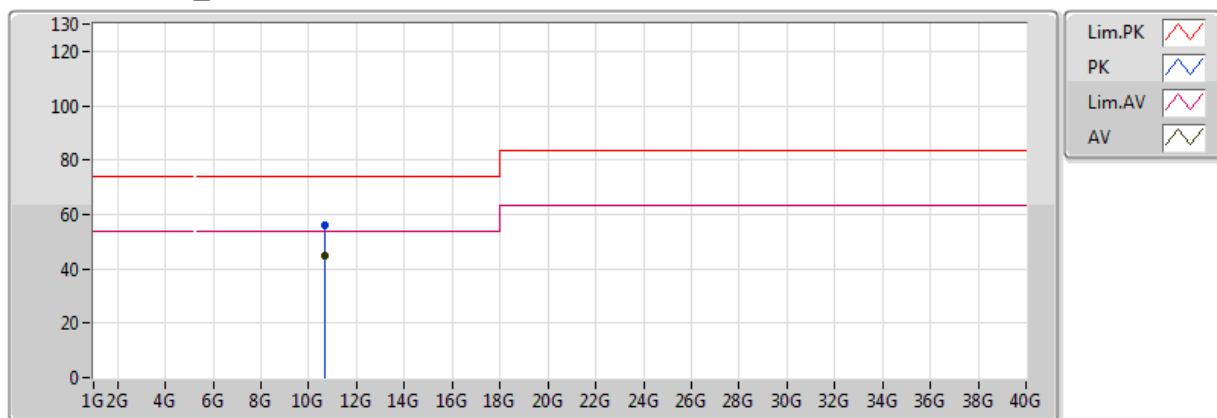


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3212G	109.50	Inf	-Inf	3.08	3	V	138	2.02	-
AV	5.3504G	53.51	54.00	-0.49	3.11	3	V	138	2.02	-
PK	5.3218G	117.53	Inf	-Inf	3.08	3	V	138	2.02	-
PK	5.3506G	71.13	74.00	-2.87	3.11	3	V	138	2.02	-

802.11a_(6Mbps)_3TX

5320MHz_TX

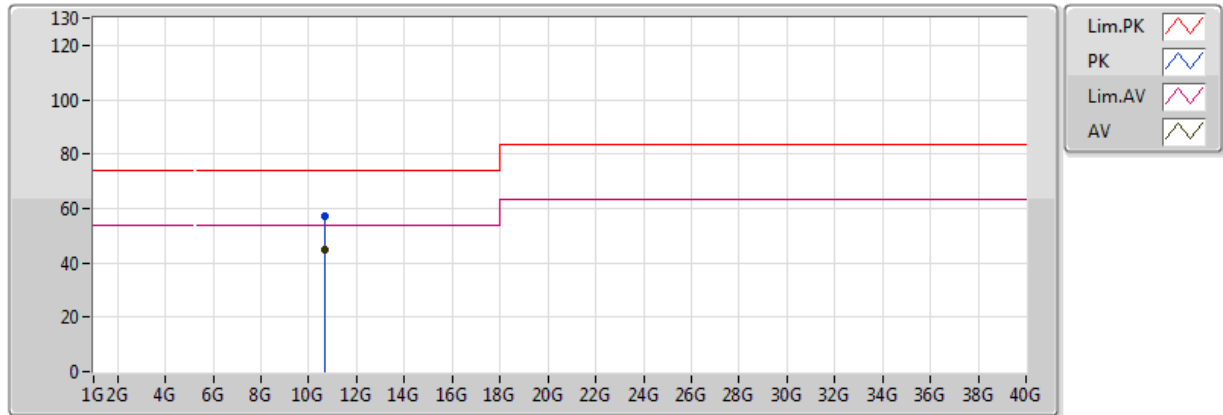


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64G	44.73	54.00	-9.27	13.52	3	V	0	1.50	-
PK	10.64G	56.14	74.00	-17.86	13.52	3	V	0	1.50	-

802.11a_(6Mbps)_3TX

5320MHz_TX

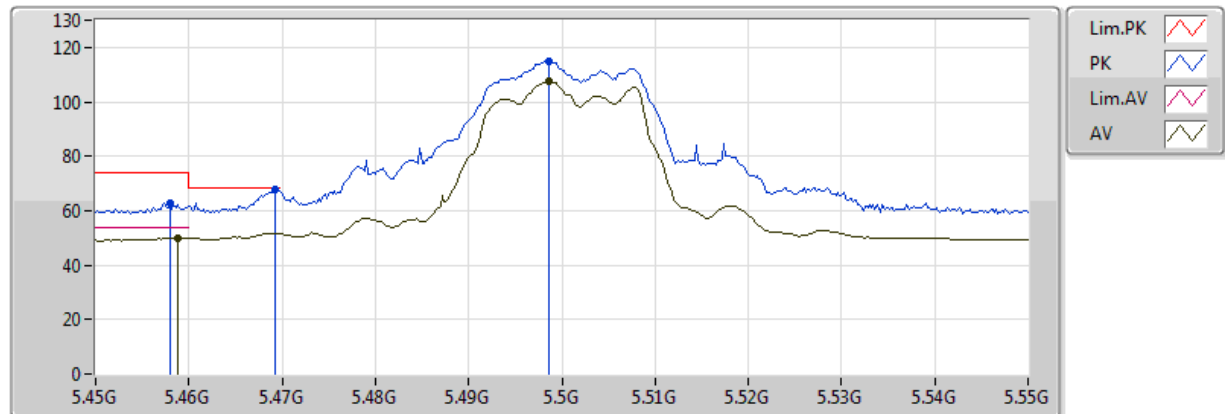


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64G	44.96	54.00	-9.04	13.52	3	H	360	1.50	-
PK	10.64G	56.93	74.00	-17.07	13.52	3	H	360	1.50	-

802.11a_(6Mbps)_3TX

5500MHz_TX

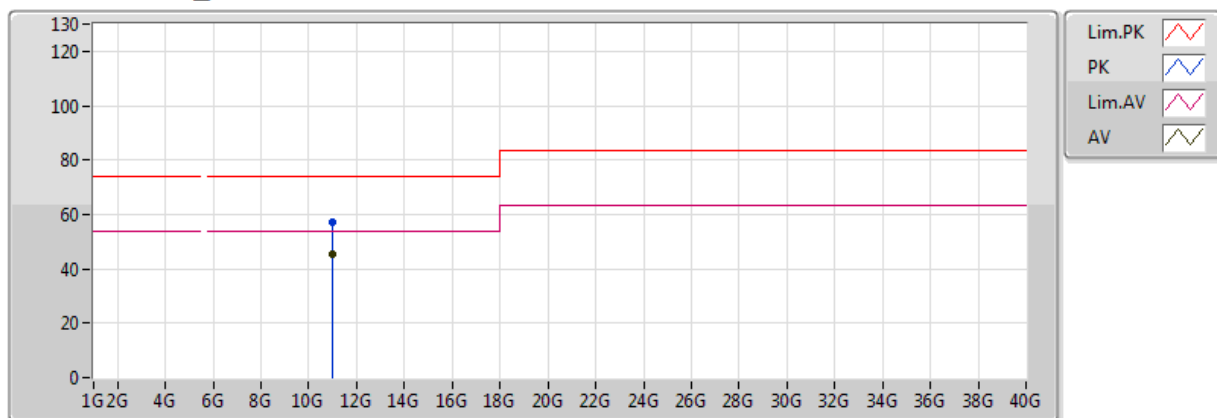


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4588G	50.04	54.00	-3.96	3.22	3	V	217	1.33	-
AV	5.4986G	107.34	Inf	-Inf	3.27	3	V	217	1.33	-
PK	5.458G	62.62	74.00	-11.38	3.22	3	V	217	1.33	-
PK	5.4692G	68.06	68.20	-0.14	3.24	3	V	217	1.33	-
PK	5.4986G	114.96	Inf	-Inf	3.27	3	V	217	1.33	-

802.11a_(6Mbps)_3TX

5500MHz_TX

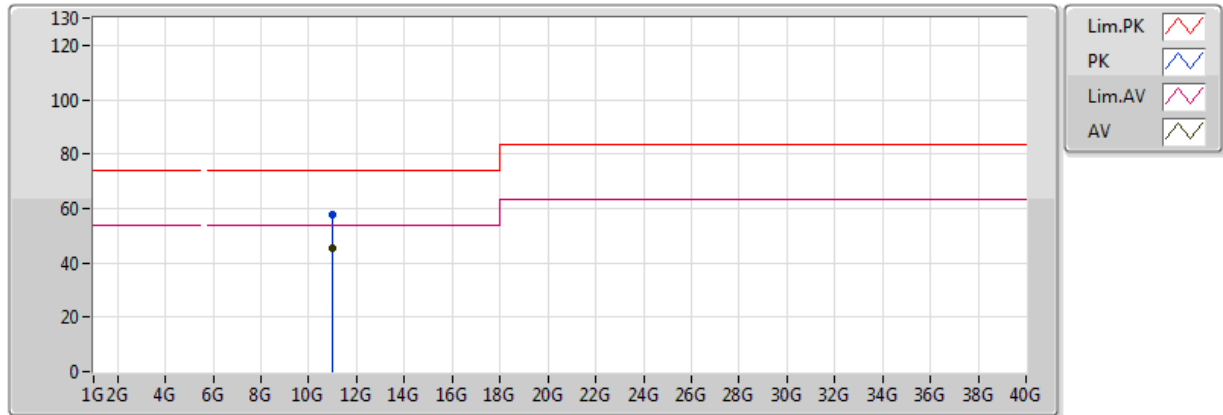


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	45.57	54.00	-8.43	14.46	3	V	360	1.50	-
PK	11G	57.26	74.00	-16.74	14.46	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5500MHz_TX

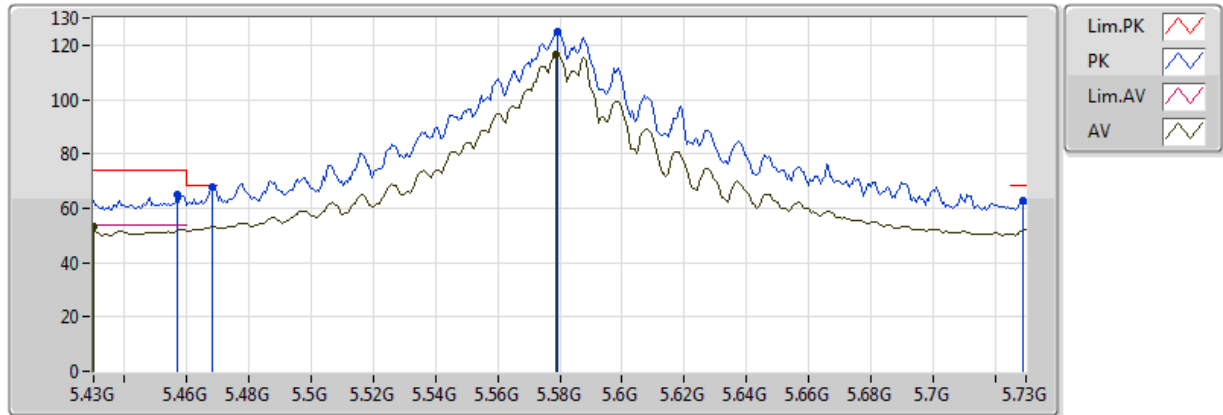


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	45.59	54.00	-8.41	14.46	3	H	0	1.50	-
PK	11G	57.68	74.00	-16.32	14.46	3	H	0	1.50	-

802.11a_(6Mbps)_3TX

5580MHz_TX

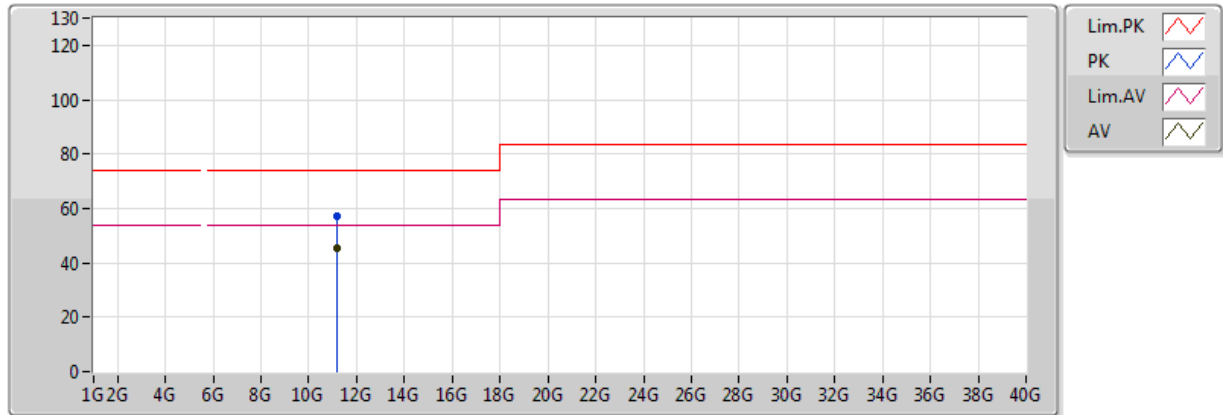


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.5788G	116.63	Inf	-Inf	3.33	3	V	137	1.50	-
AV	5.43G	53.09	54.00	-0.91	3.19	3	V	137	1.50	-
PK	5.5794G	124.92	Inf	-Inf	3.33	3	V	137	1.50	-
PK	5.457G	64.80	74.00	-9.20	3.22	3	V	137	1.50	-
PK	5.4684G	67.63	68.20	-0.57	3.24	3	V	137	1.50	-
PK	5.7288G	62.66	68.20	-5.54	3.46	3	V	137	1.50	-

802.11a_(6Mbps)_3TX

5580MHz_TX

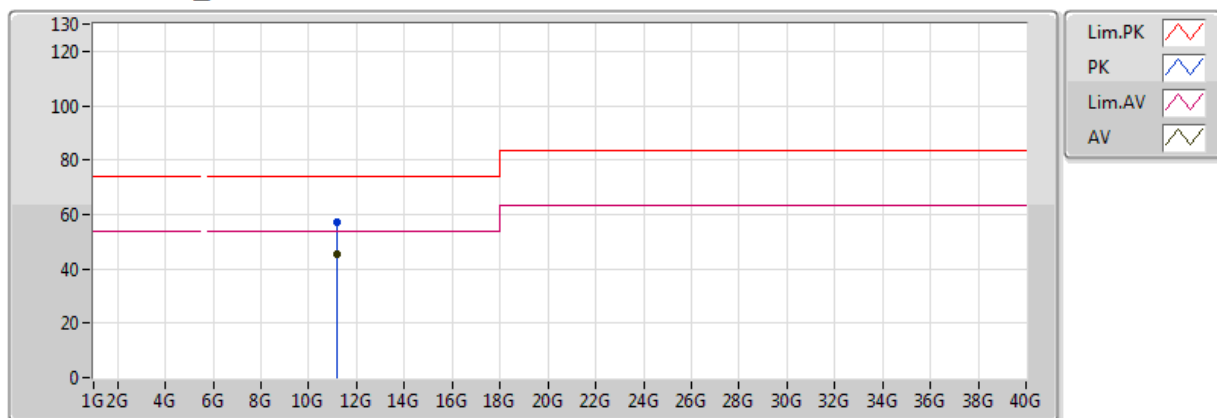


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16G	45.30	54.00	-8.70	14.19	3	V	0	1.50	-
PK	11.16G	57.00	74.00	-17.00	14.19	3	V	0	1.50	-

802.11a_(6Mbps)_3TX

5580MHz_TX

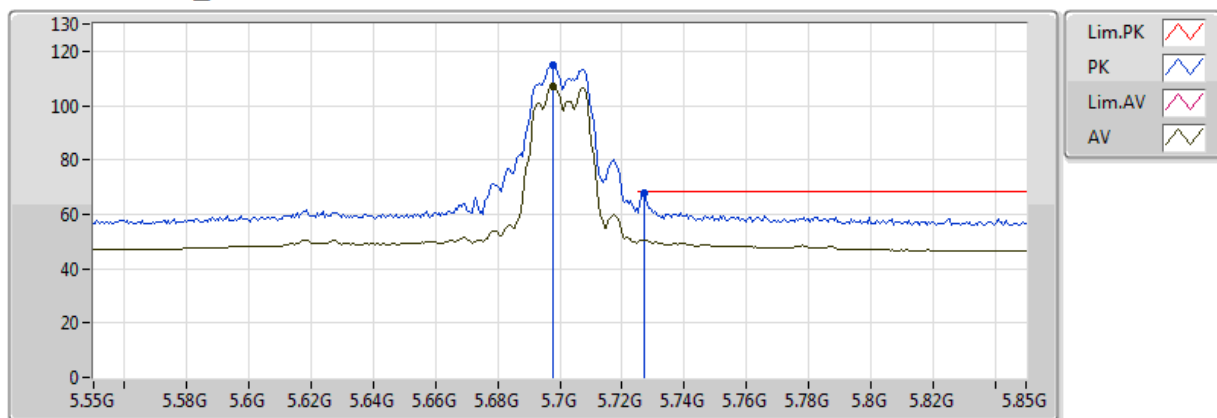


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16G	45.35	54.00	-8.65	14.19	3	H	360	1.50	-
PK	11.16G	57.12	74.00	-16.88	14.19	3	H	360	1.50	-

802.11a_(6Mbps)_3TX

5700MHz_TX

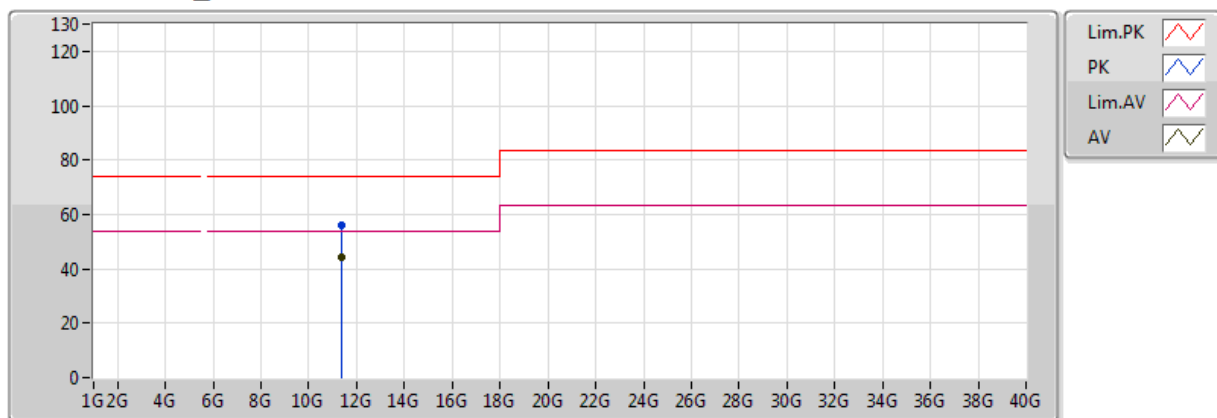


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6976G	107.01	Inf	-Inf	3.44	3	V	134	2.02	-
PK	5.6976G	115.05	Inf	-Inf	3.44	3	V	134	2.02	-
PK	5.727G	67.64	68.20	-0.56	3.46	3	V	134	2.02	-

802.11a_(6Mbps)_3TX

5700MHz_TX

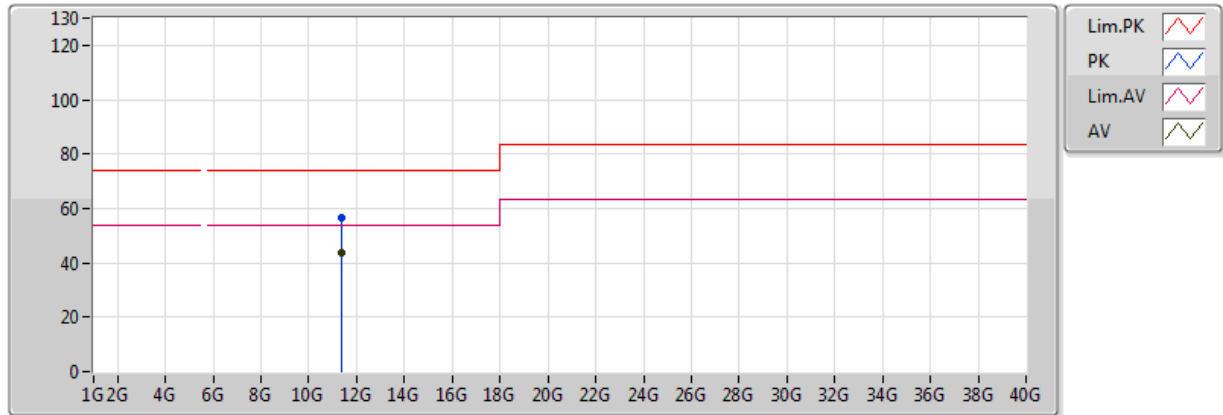


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4G	44.42	54.00	-9.58	13.78	3	V	360	1.50	-
PK	11.4G	55.85	74.00	-18.15	13.78	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5700MHz_TX

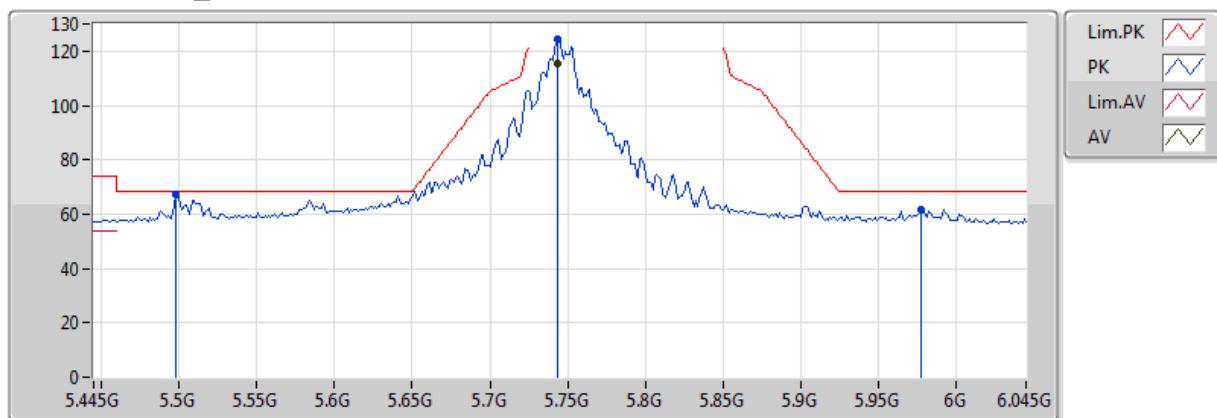


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4G	43.91	54.00	-10.09	13.78	3	H	0	1.50	-
PK	11.4G	56.75	74.00	-17.25	13.78	3	H	0	1.50	-

802.11a_(6Mbps)_3TX

5745MHz_TX

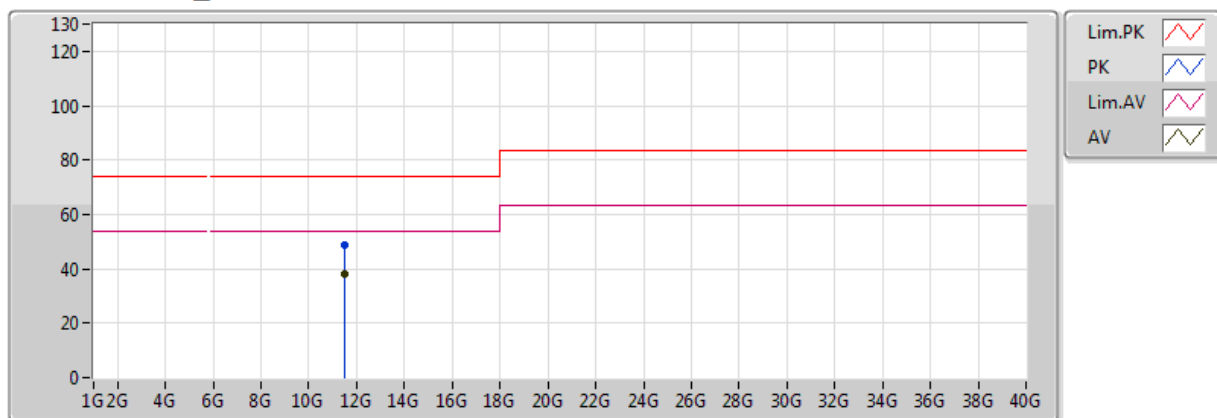


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7438G	115.60	Inf	-Inf	3.47	3	V	140	1.94	-
PK	5.4978G	67.33	68.20	-0.87	3.27	3	V	140	1.94	-
PK	5.7438G	124.23	Inf	-Inf	3.47	3	V	140	1.94	-
PK	5.9778G	61.57	68.20	-6.63	3.66	3	V	140	1.94	-

802.11a_(6Mbps)_3TX

5745MHz_TX

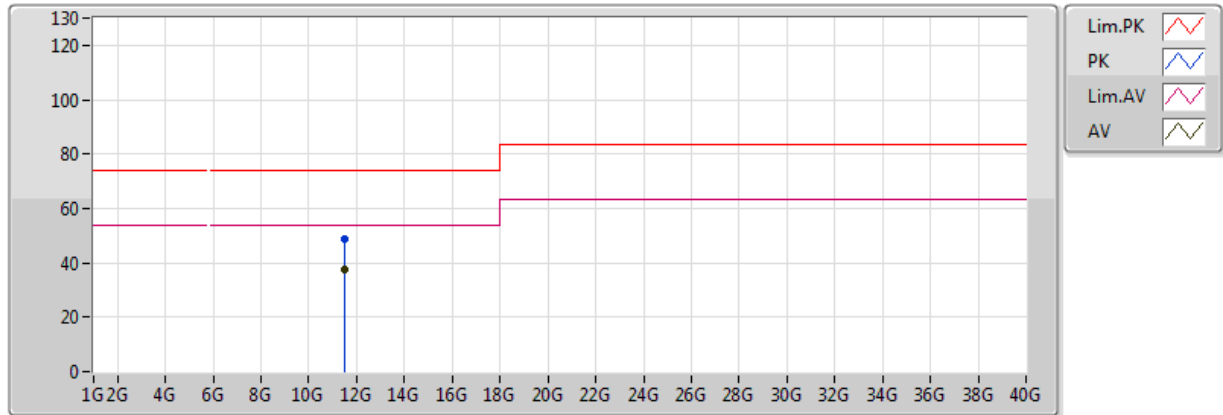


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	37.96	54.00	-16.04	13.63	3	V	360	1.50	-
PK	11.49G	48.54	74.00	-25.46	13.63	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5745MHz_TX

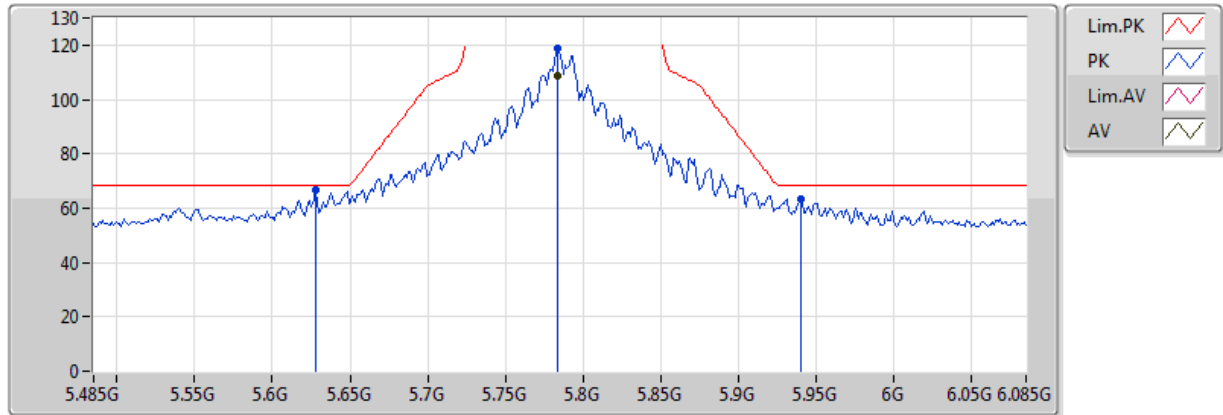


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	37.38	54.00	-16.62	13.63	3	H	0	1.50	-
PK	11.49G	48.76	74.00	-25.24	13.63	3	H	0	1.50	-

802.11a_(6Mbps)_3TX

5785MHz_TX

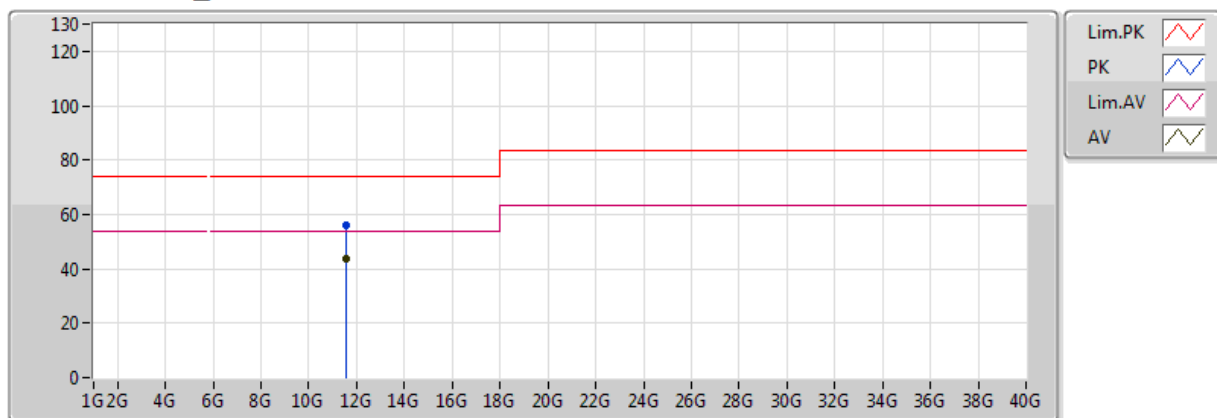


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7838G	108.94	Inf	-Inf	3.50	3	V	142	1.89	-
PK	5.6278G	66.44	68.20	-1.76	3.38	3	V	142	1.89	-
PK	5.7838G	118.75	Inf	-Inf	3.50	3	V	142	1.89	-
PK	5.9398G	63.41	68.20	-4.79	3.63	3	V	142	1.89	-

802.11a_(6Mbps)_3TX

5785MHz_TX

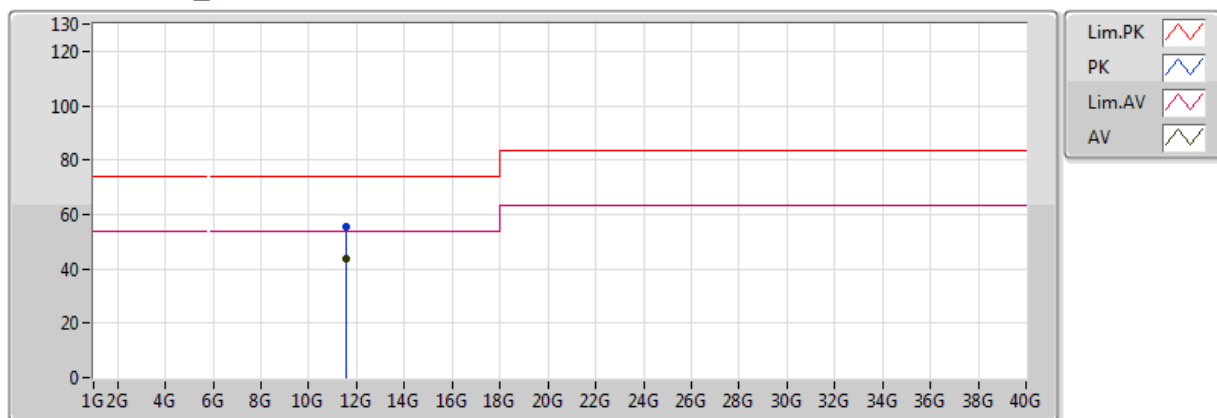


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	43.88	54.00	-10.12	13.49	3	V	0	1.50	-
PK	11.57G	55.80	74.00	-18.20	13.49	3	V	0	1.50	-

802.11a_(6Mbps)_3TX

5785MHz_TX

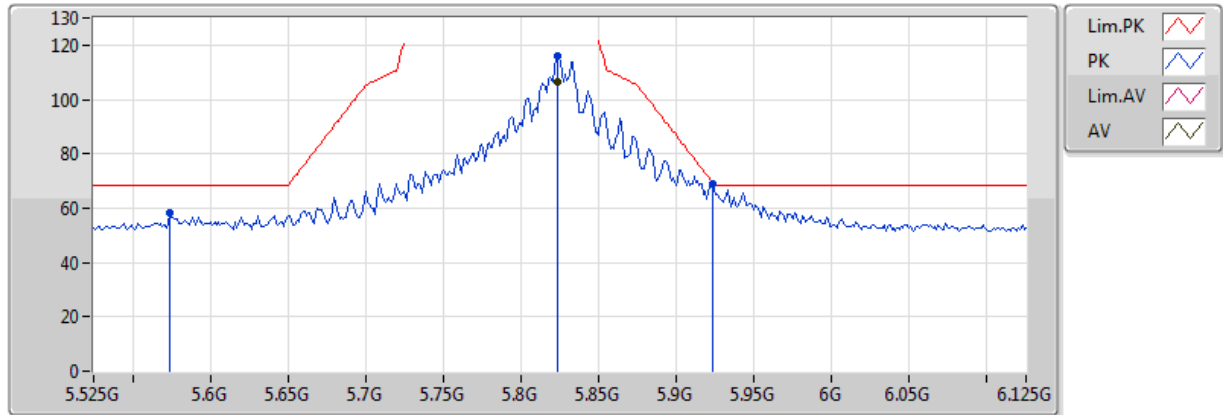


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	43.66	54.00	-10.34	13.49	3	H	360	1.50	-
PK	11.57G	55.23	74.00	-18.77	13.49	3	H	360	1.50	-

802.11a_(6Mbps)_3TX

5825MHz_TX

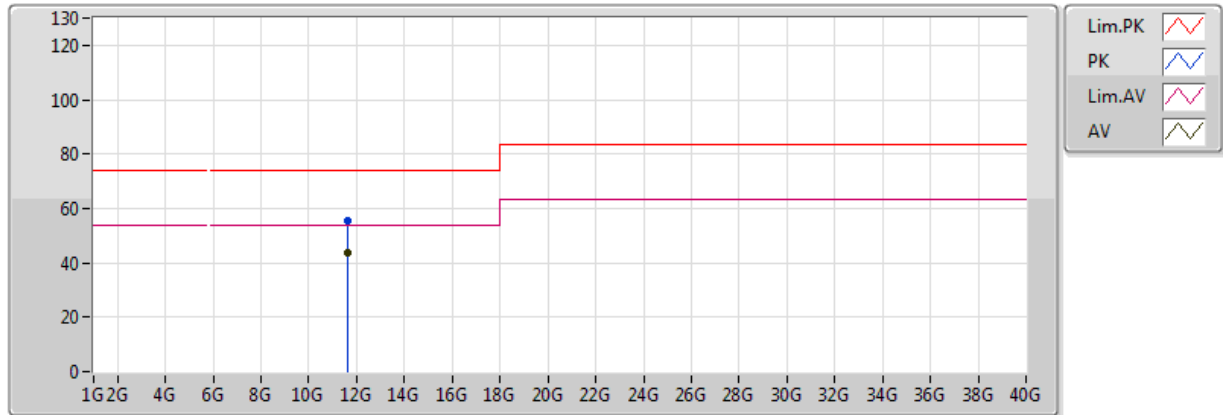


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8238G	106.58	Inf	-Inf	3.53	3	V	142	1.50	-
PK	5.5742G	58.04	68.20	-10.16	3.33	3	V	142	1.50	-
PK	5.8238G	115.95	Inf	-Inf	3.53	3	V	142	1.50	-
PK	5.9234G	68.81	69.38	-0.57	3.62	3	V	142	1.50	-

802.11a_(6Mbps)_3TX

5825MHz_TX

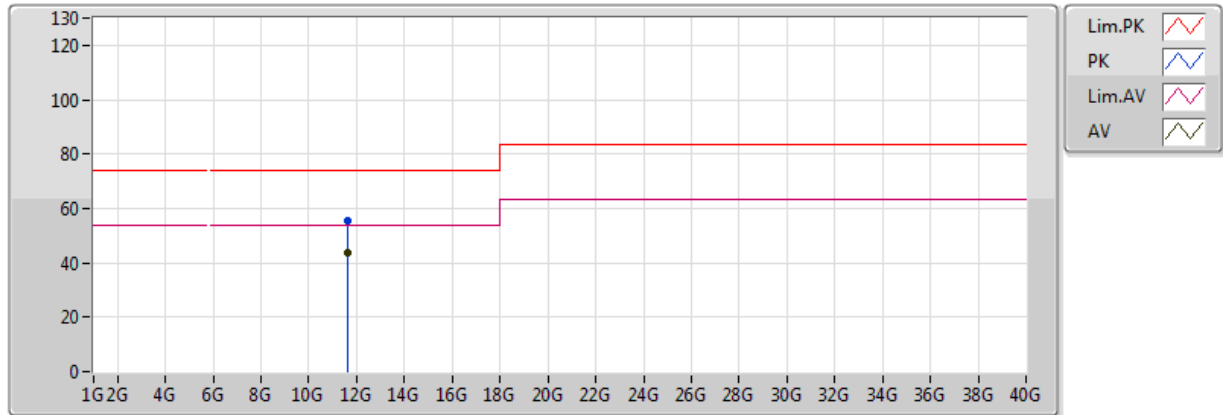


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	43.77	54.00	-10.23	13.35	3	V	360	1.50	-
PK	11.65G	55.23	74.00	-18.77	13.35	3	V	360	1.50	-

802.11a_(6Mbps)_3TX

5825MHz_TX

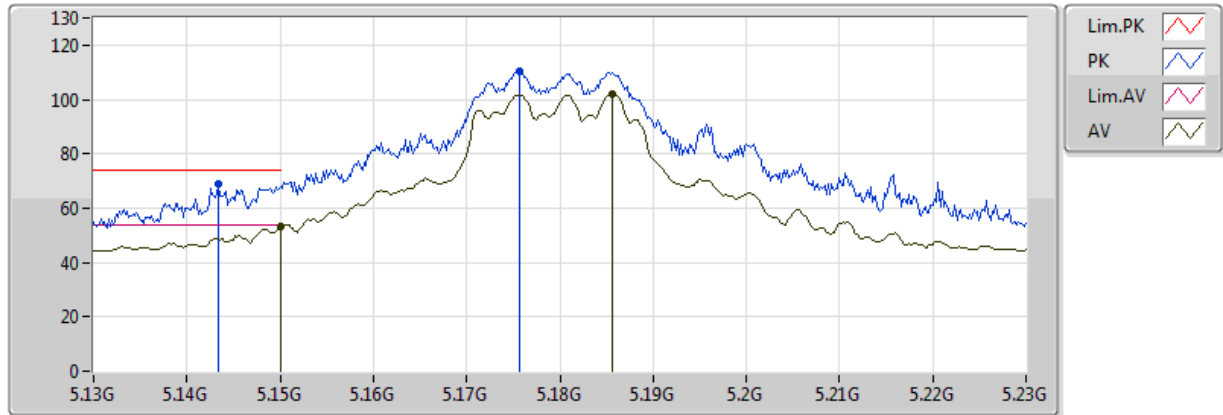


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	43.87	54.00	-10.13	13.35	3	H	0	1.50	-
PK	11.65G	55.59	74.00	-18.41	13.35	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

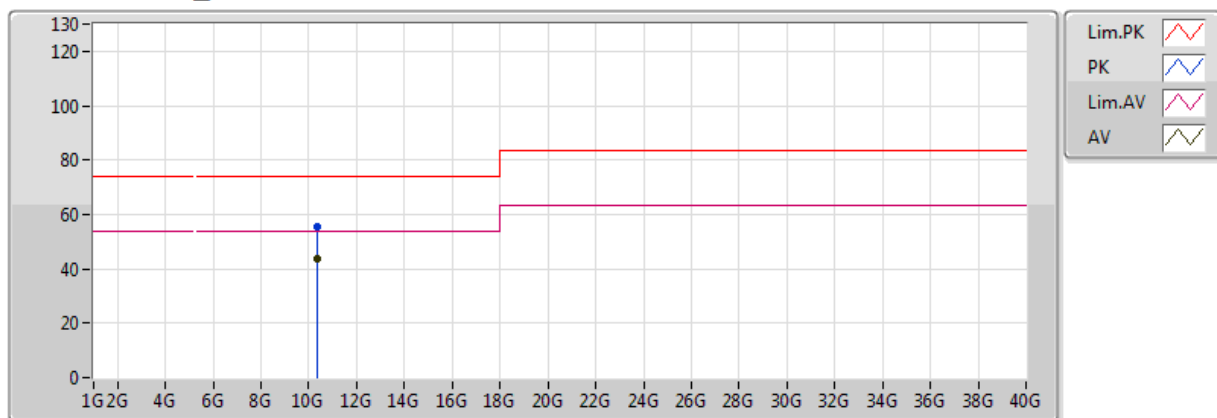


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1856G	102.00	Inf	-Inf	2.94	3	V	136	2.19	-
AV	5.149995G	53.51	54.00	-0.49	2.90	3	V	136	2.19	-
PK	5.1756G	110.32	Inf	-Inf	2.93	3	V	136	2.19	-
PK	5.1434G	68.91	74.00	-5.09	2.89	3	V	136	2.19	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

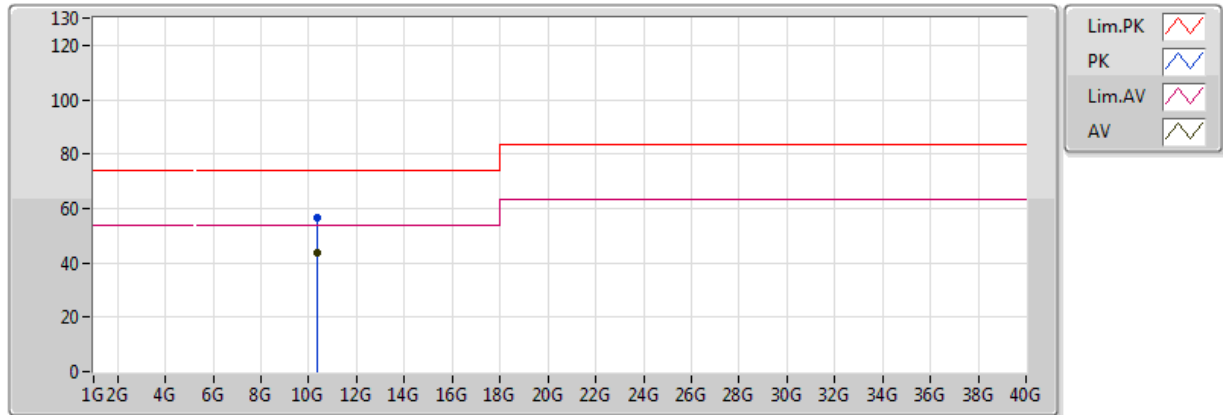


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.61	54.00	-10.39	12.78	3	V	360	1.50	-
PK	10.36G	55.71	74.00	-18.29	12.78	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5180MHz_TX

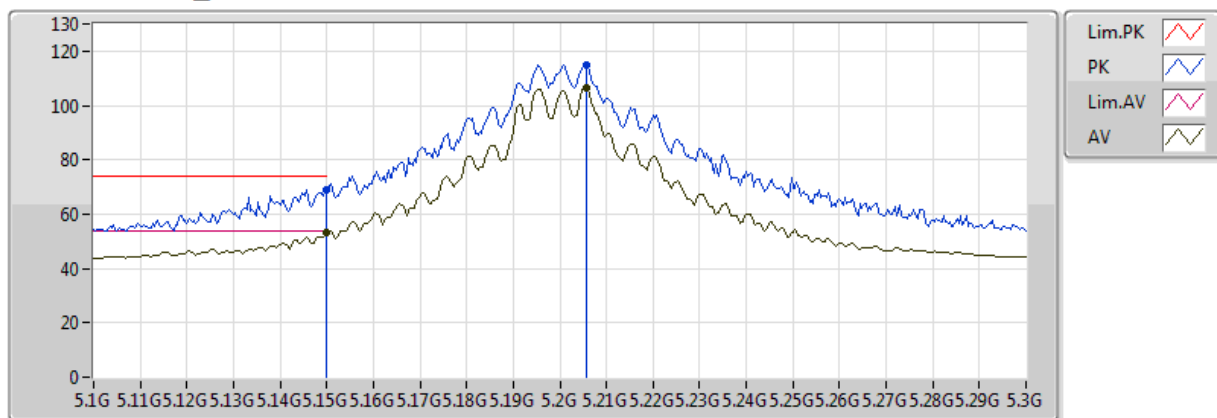


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.63	54.00	-10.37	12.78	3	H	0	1.50	-
PK	10.36G	56.80	74.00	-17.20	12.78	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

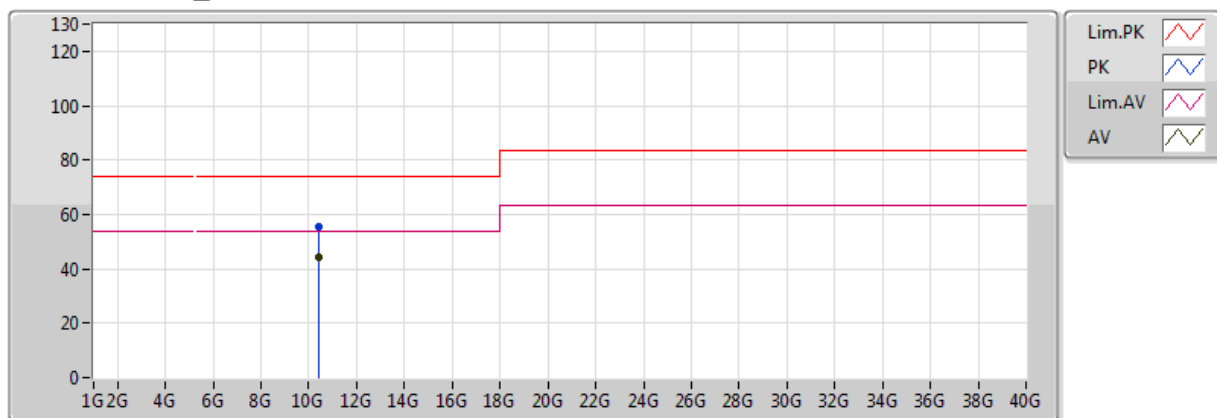


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2056G	106.35	Inf	-Inf	2.96	3	V	134	2.15	-
AV	5.149995G	53.40	54.00	-0.60	2.90	3	V	134	2.15	-
PK	5.2056G	114.96	Inf	-Inf	2.96	3	V	134	2.15	-
PK	5.149995G	69.14	74.00	-4.86	2.90	3	V	134	2.15	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

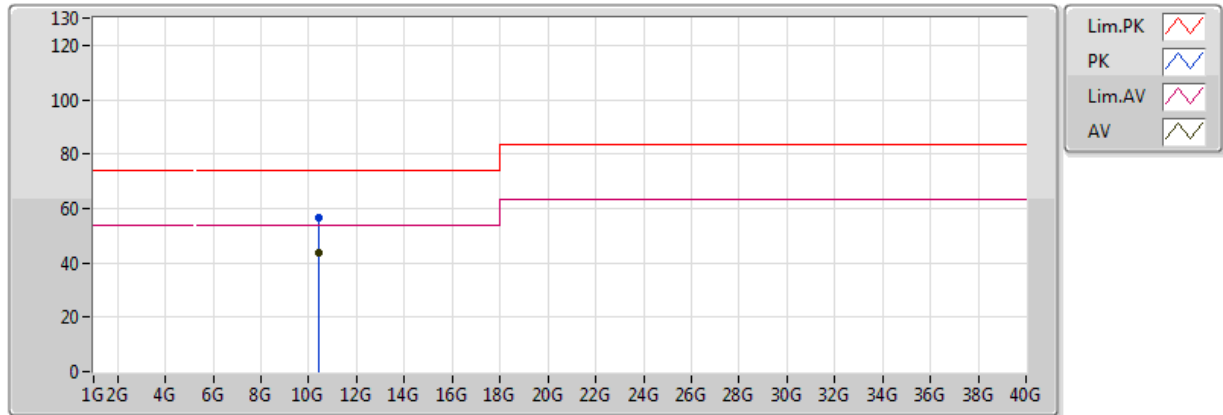


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	44.00	54.00	-10.00	12.89	3	V	360	1.50	-
PK	10.4G	55.41	74.00	-18.59	12.89	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5200MHz_TX

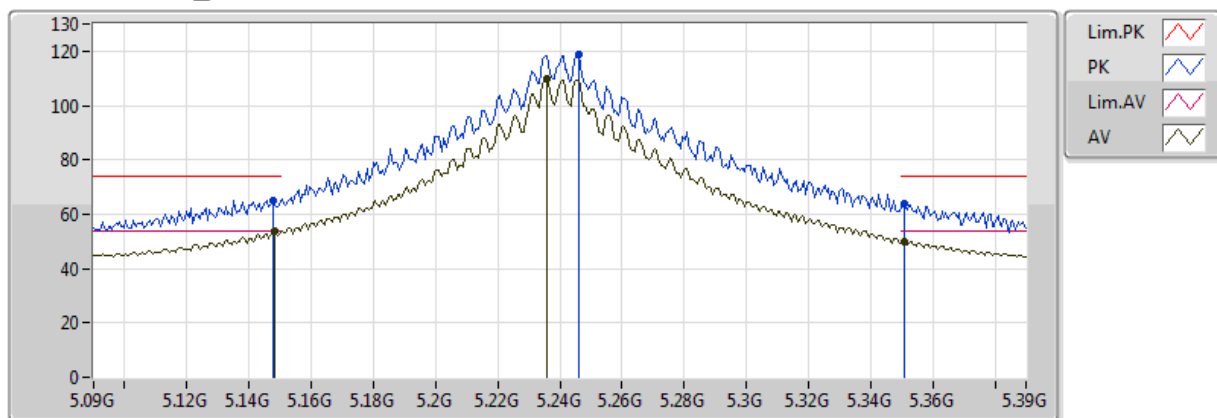


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	43.95	54.00	-10.05	12.89	3	H	0	1.50	-
PK	10.4G	56.38	74.00	-17.62	12.89	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

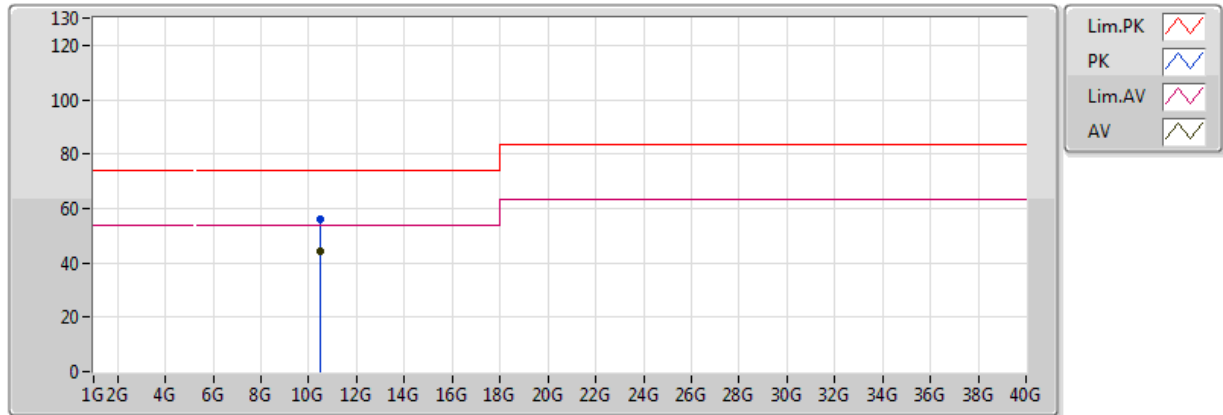


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2358G	109.72	Inf	-Inf	2.99	3	V	137	2.13	-
AV	5.1482G	53.59	54.00	-0.41	2.90	3	V	137	2.13	-
AV	5.351G	50.06	54.00	-3.94	3.11	3	V	137	2.13	-
PK	5.246G	118.91	Inf	-Inf	3.00	3	V	137	2.13	-
PK	5.1476G	65.20	74.00	-8.80	2.90	3	V	137	2.13	-
PK	5.351G	64.12	74.00	-9.88	3.11	3	V	137	2.13	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

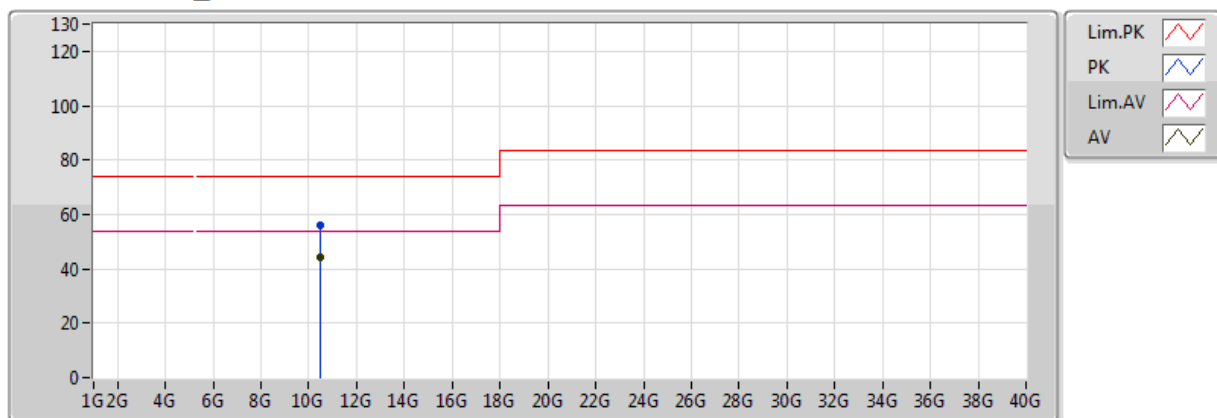


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	44.07	54.00	-9.93	13.10	3	V	0	1.50	-
PK	10.48G	55.99	74.00	-18.01	13.10	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5240MHz_TX

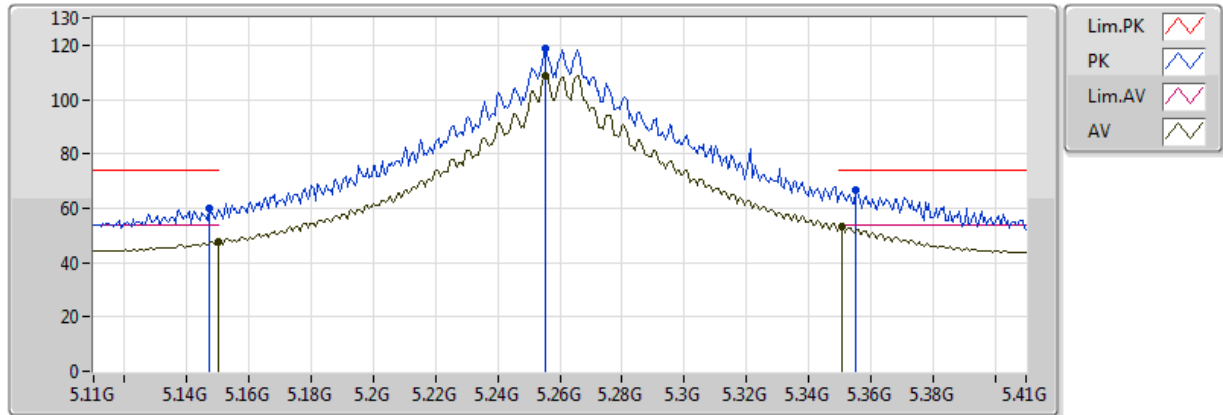


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	44.05	54.00	-9.95	13.10	3	H	360	1.50	-
PK	10.48G	55.89	74.00	-18.11	13.10	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

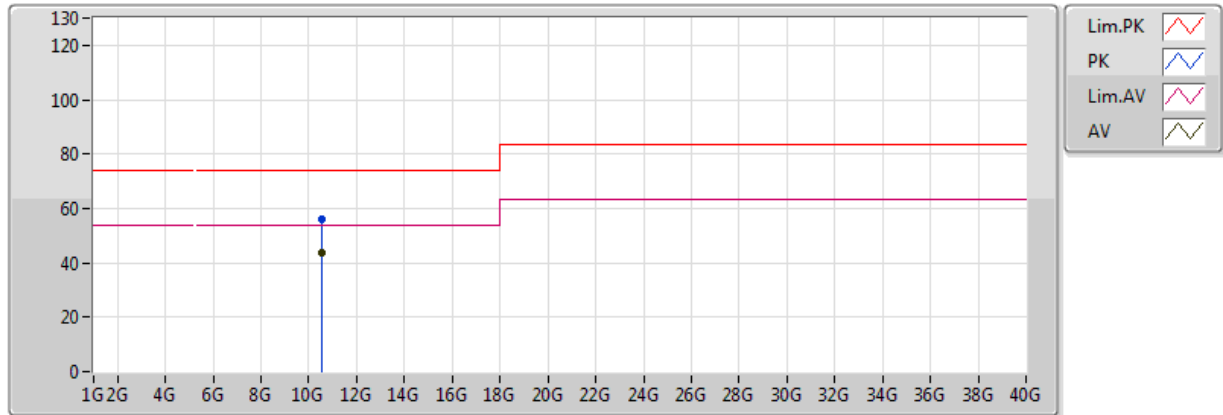


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2552G	108.88	Inf	-Inf	3.01	3	V	139	1.80	-
AV	5.149995G	47.82	54.00	-6.18	2.90	3	V	139	1.80	-
AV	5.3506G	53.19	54.00	-0.81	3.11	3	V	139	1.80	-
PK	5.2552G	118.57	Inf	-Inf	3.01	3	V	139	1.80	-
PK	5.1472G	60.14	74.00	-13.86	2.90	3	V	139	1.80	-
PK	5.3554G	66.46	74.00	-7.54	3.12	3	V	139	1.80	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

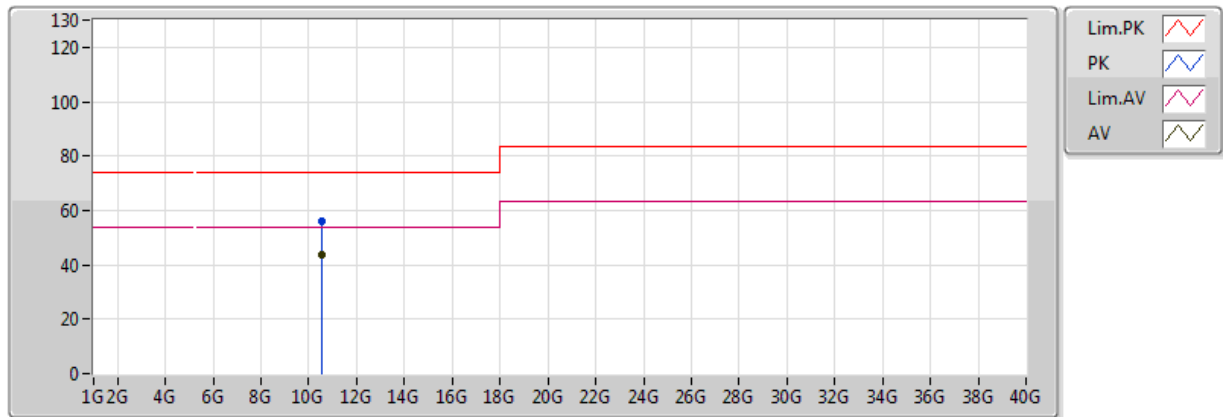


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.52G	43.94	54.00	-10.06	13.20	3	V	360	1.50	-
PK	10.52G	55.84	74.00	-18.16	13.20	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5260MHz_TX

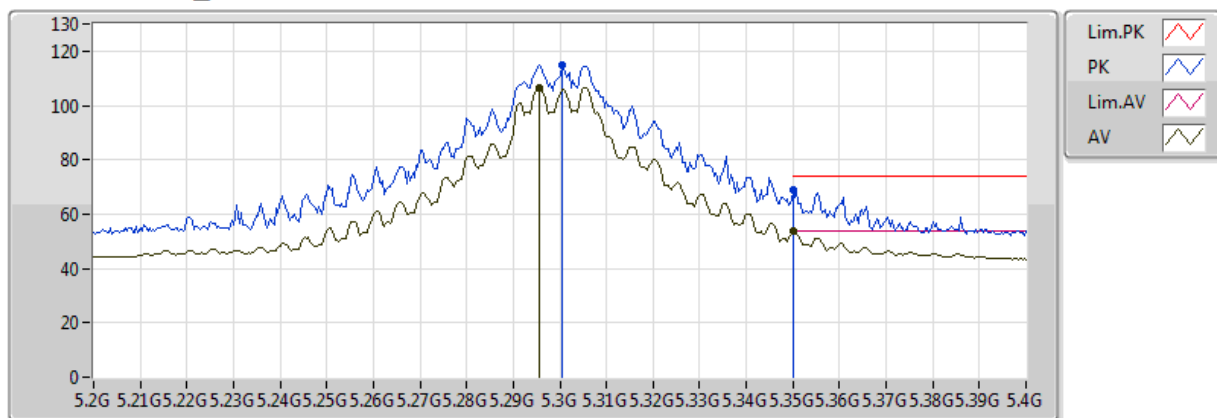


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.52G	43.94	54.00	-10.06	13.20	3	H	0	1.50	-
PK	10.52G	55.83	74.00	-18.17	13.20	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

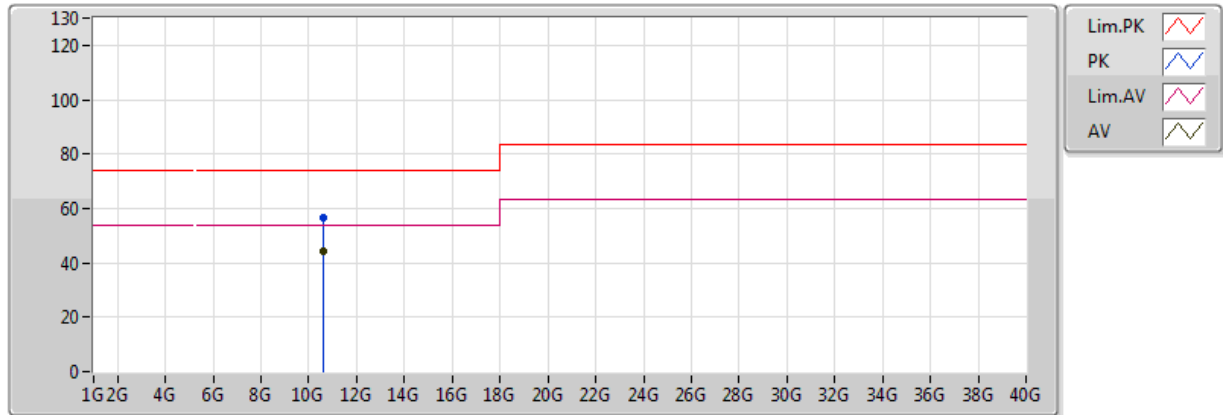


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2956G	106.59	Inf	-Inf	3.06	3	V	139	1.93	-
AV	5.350005G	53.55	54.00	-0.45	3.11	3	V	139	1.93	-
PK	5.3004G	114.98	Inf	-Inf	3.06	3	V	139	1.93	-
PK	5.350005G	69.17	74.00	-4.83	3.11	3	V	139	1.93	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

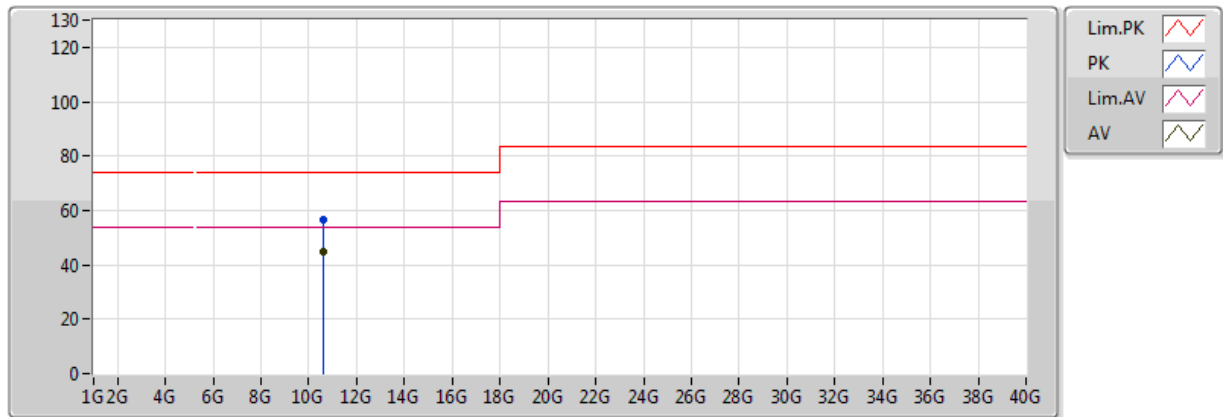


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	44.05	54.00	-9.95	13.41	3	V	360	1.50	-
PK	10.6G	56.76	74.00	-17.24	13.41	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5300MHz_TX

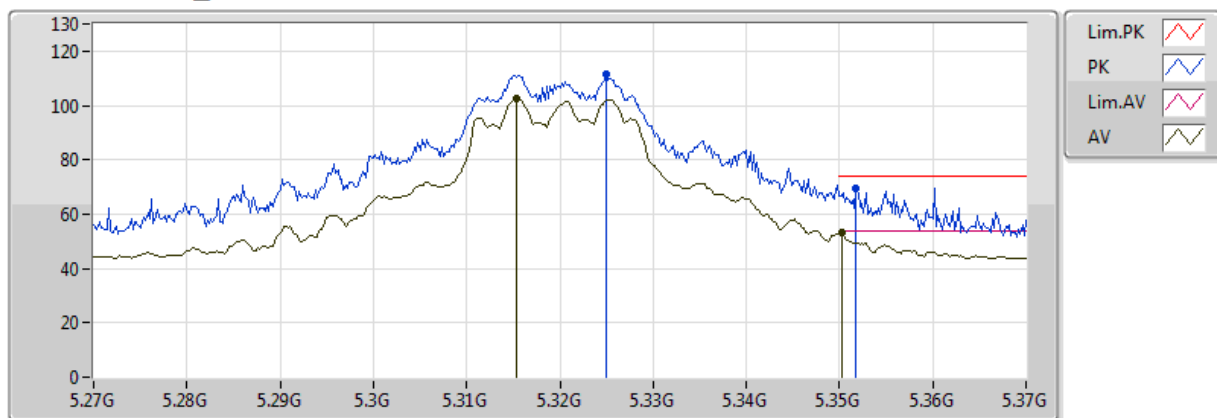


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.6G	44.98	54.00	-9.02	13.41	3	H	0	1.50	-
PK	10.6G	56.35	74.00	-17.65	13.41	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

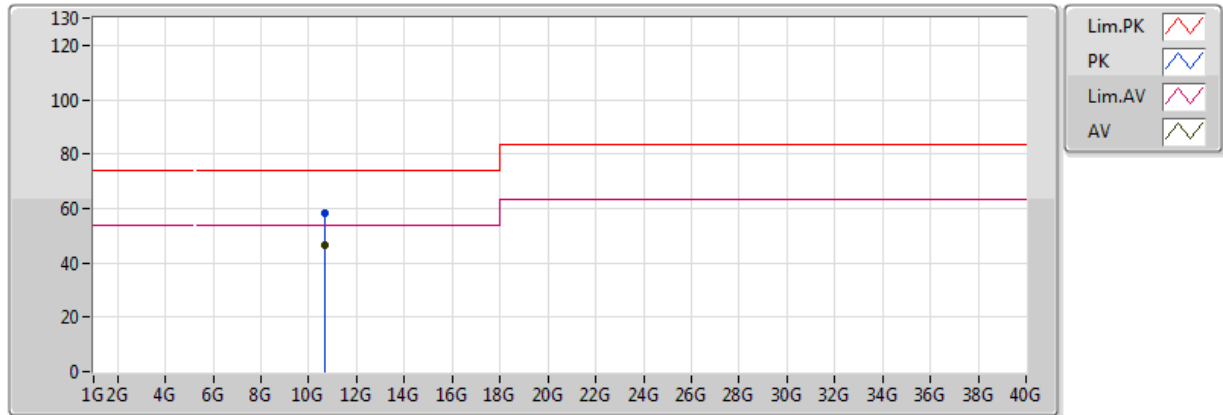


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3154G	102.39	Inf	-Inf	3.08	3	V	135	2.14	-
AV	5.3502G	53.12	54.00	-0.88	3.11	3	V	135	2.14	-
PK	5.325G	111.25	Inf	-Inf	3.08	3	V	135	2.14	-
PK	5.3518G	69.67	74.00	-4.33	3.11	3	V	135	2.14	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

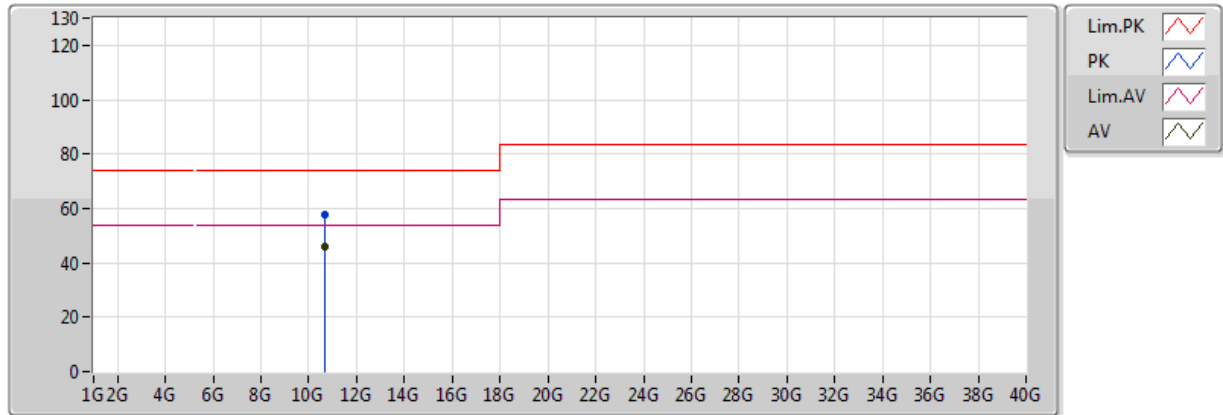


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.64G	46.28	54.00	-7.72	13.52	3	V	0	1.50	-
PK	10.64G	58.46	74.00	-15.54	13.52	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5320MHz_TX

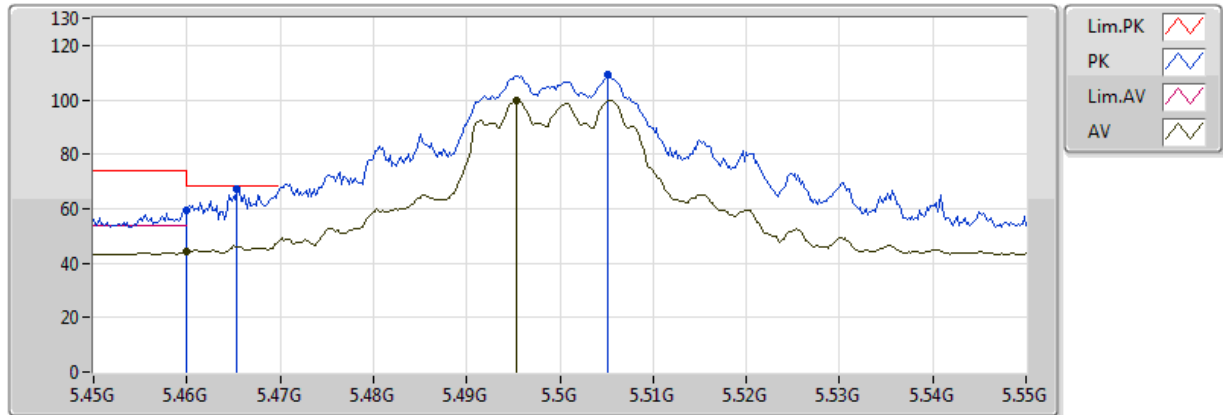


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	10.64G	57.93	74.00	-16.07	13.52	3	H	360	1.50	-
AV	10.64G	45.67	54.00	-8.33	13.52	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5500MHz_TX

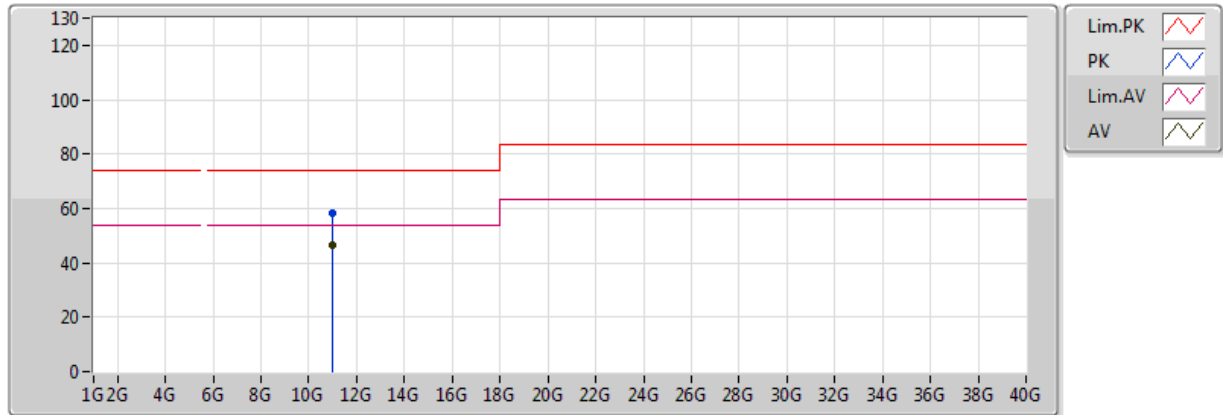


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	44.49	54.00	-9.51	3.23	3	V	141	1.86	-
AV	5.4954G	99.60	Inf	-Inf	3.26	3	V	141	1.86	-
PK	5.46G	59.61	74.00	-14.39	3.23	3	V	141	1.86	-
PK	5.4654G	67.44	68.20	-0.76	3.23	3	V	141	1.86	-
PK	5.5052G	109.12	Inf	-Inf	3.27	3	V	141	1.86	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5500MHz_TX

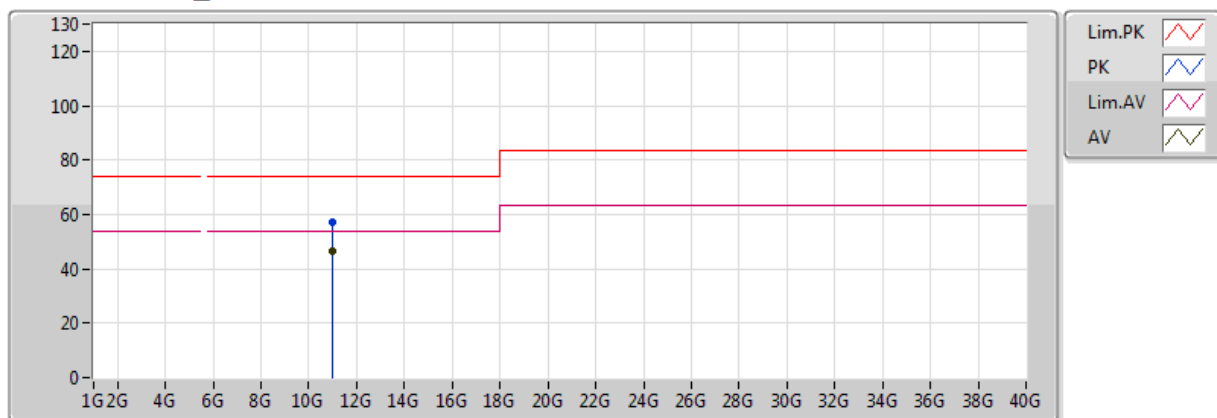


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	46.59	54.00	-7.41	14.46	3	V	360	1.50	-
PK	11G	58.53	74.00	-15.47	14.46	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5500MHz_TX

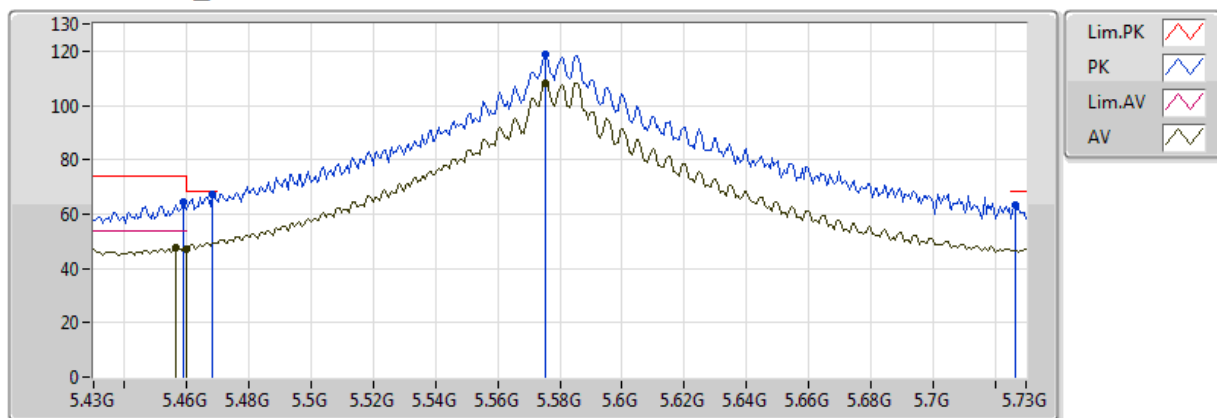


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	46.68	54.00	-7.32	14.46	3	H	0	1.50	-
PK	11G	57.30	74.00	-16.70	14.46	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5580MHz_TX

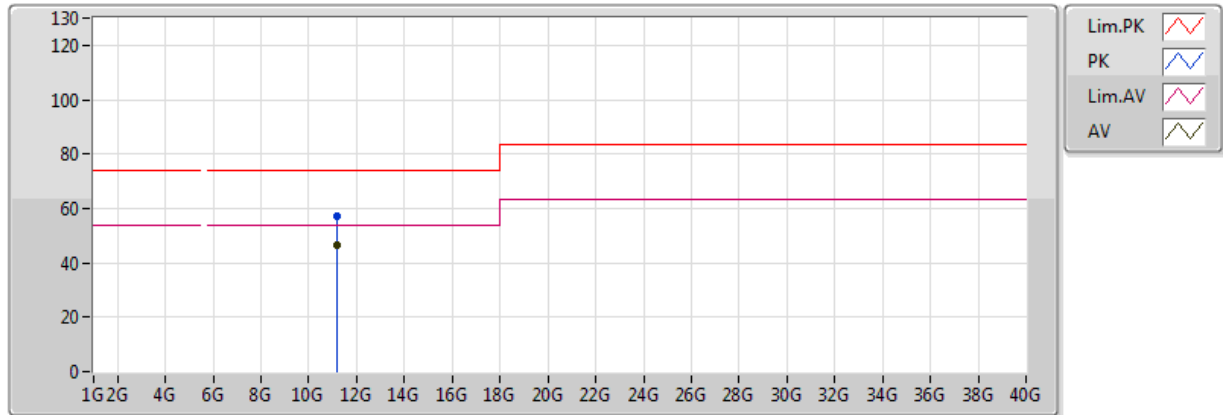


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.5752G	118.81	Inf	-Inf	3.33	3	V	146	1.95	-
PK	5.4588G	64.54	74.00	-9.46	3.22	3	V	146	1.95	-
PK	5.4684G	67.39	68.20	-0.81	3.24	3	V	146	1.95	-
PK	5.7264G	63.52	68.20	-4.68	3.46	3	V	146	1.95	-
AV	5.5752G	108.30	Inf	-Inf	3.33	3	V	146	1.95	-
AV	5.4564G	47.88	54.00	-6.12	3.22	3	V	146	1.95	-
AV	5.46G	47.17	54.00	-6.83	3.23	3	V	146	1.95	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5580MHz_TX

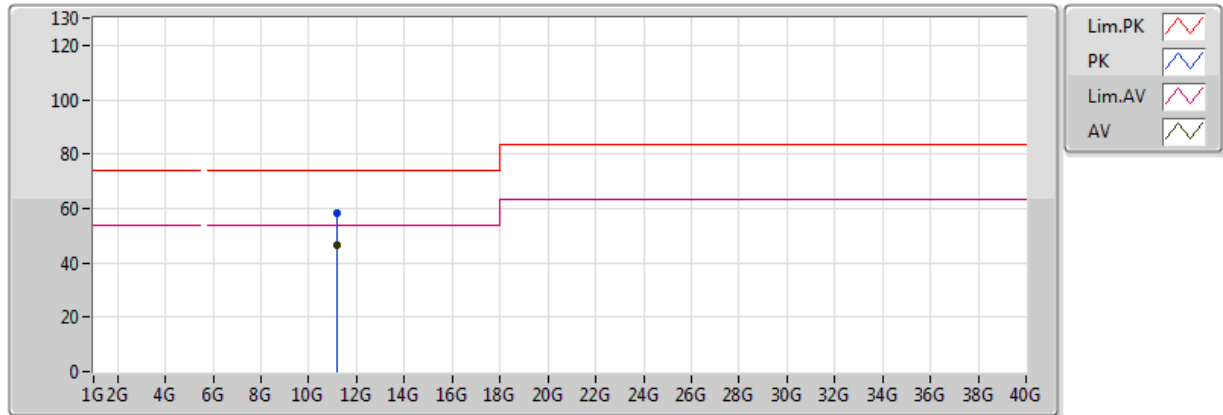


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16G	46.38	54.00	-7.62	14.19	3	V	360	1.50	-
PK	11.16G	57.37	74.00	-16.63	14.19	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5580MHz_TX

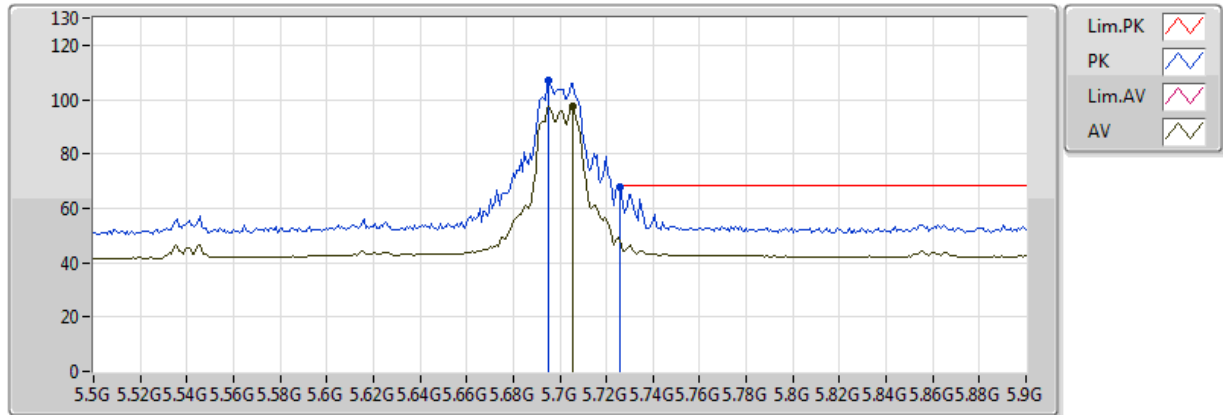


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.16G	46.32	54.00	-7.68	14.19	3	H	0	1.50	-
PK	11.16G	58.39	74.00	-15.61	14.19	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

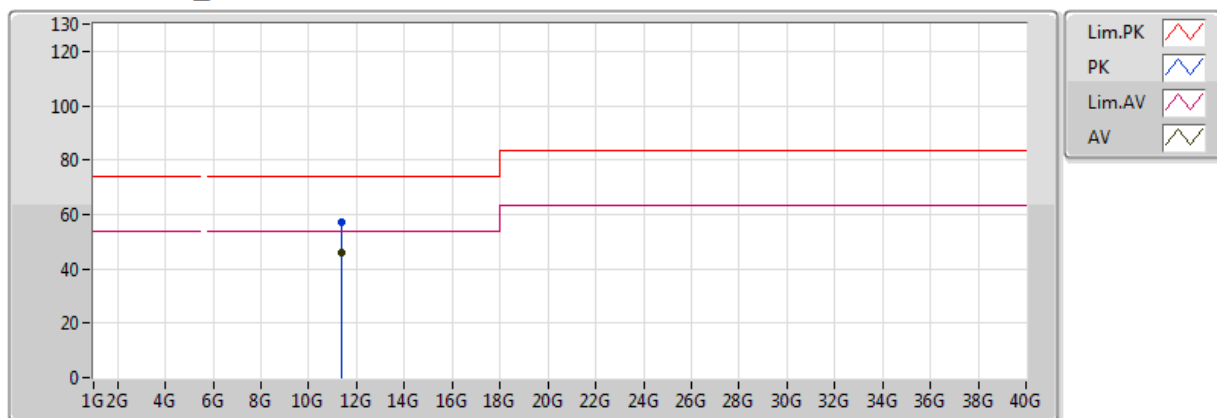


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.7256G	67.80	68.20	-0.40	3.46	3	V	146	1.99	-
PK	5.6952G	106.90	Inf	-Inf	3.44	3	V	146	1.99	-
AV	5.7056G	97.45	Inf	-Inf	3.44	3	V	146	1.99	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

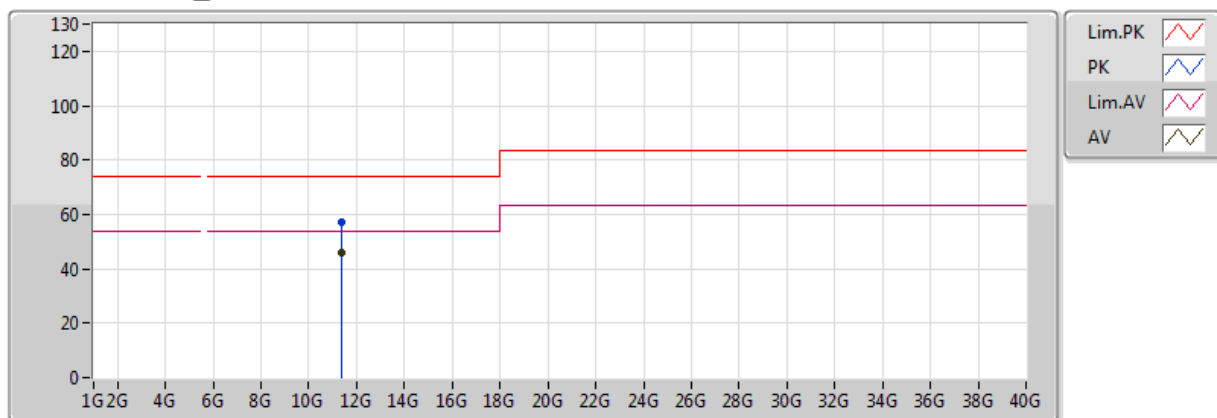


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4G	45.82	54.00	-8.18	13.78	3	V	360	1.50	-
PK	11.4G	56.97	74.00	-17.03	13.78	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5700MHz_TX

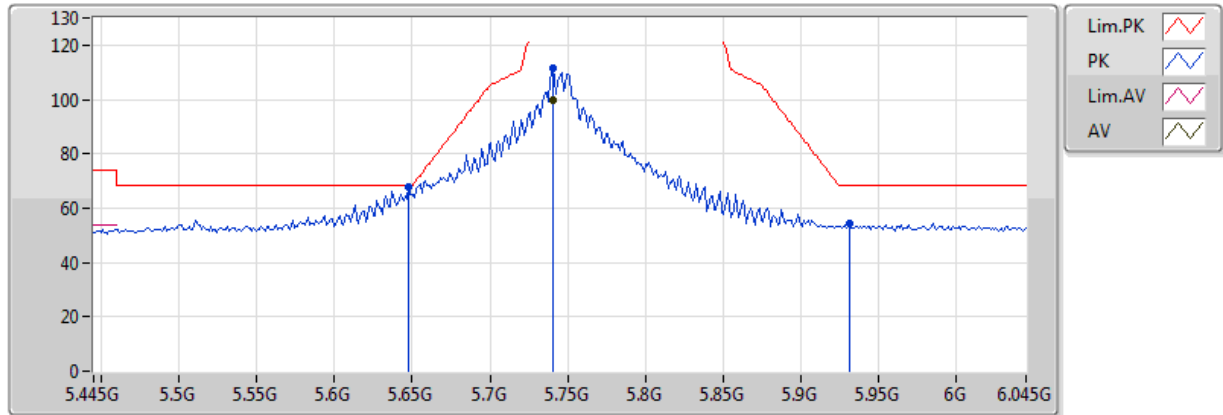


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.4G	45.77	54.00	-8.23	13.78	3	H	0	1.50	-
PK	11.4G	57.08	74.00	-16.92	13.78	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

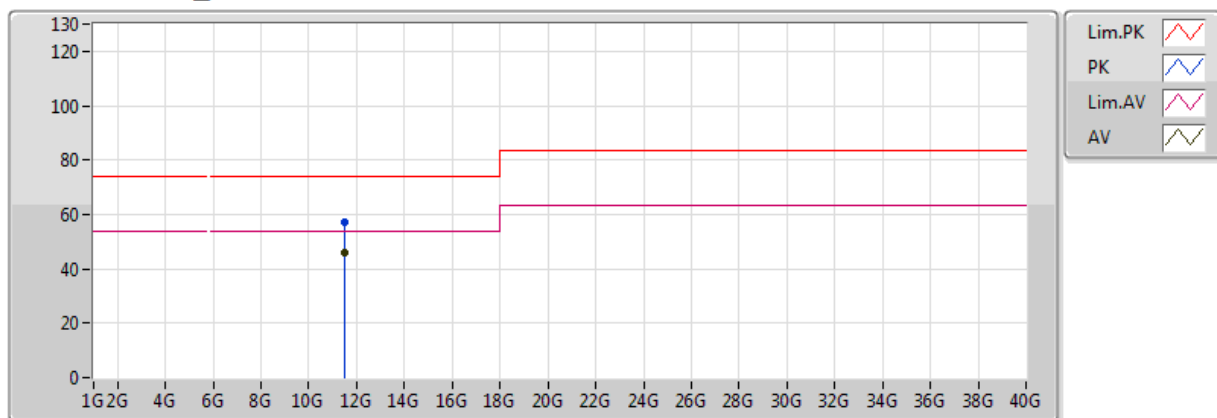


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7402G	99.74	Inf	-Inf	3.47	3	V	149	1.87	-
PK	5.6478G	67.61	68.20	-0.59	3.39	3	V	149	1.87	-
PK	5.7402G	111.35	Inf	-Inf	3.47	3	V	149	1.87	-
PK	5.931G	54.53	68.20	-13.67	3.62	3	V	149	1.87	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

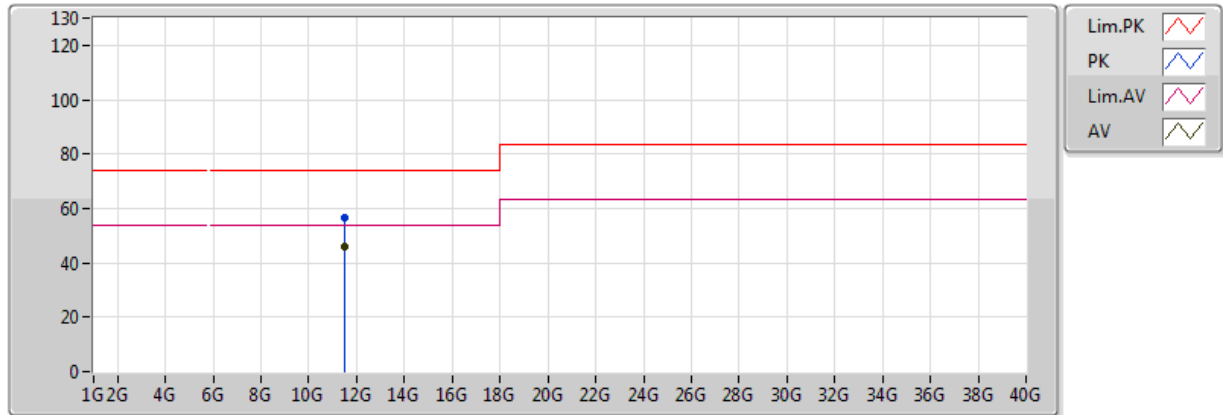


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	45.74	54.00	-8.26	13.63	3	V	0	1.50	-
PK	11.49G	57.08	74.00	-16.92	13.63	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5745MHz_TX

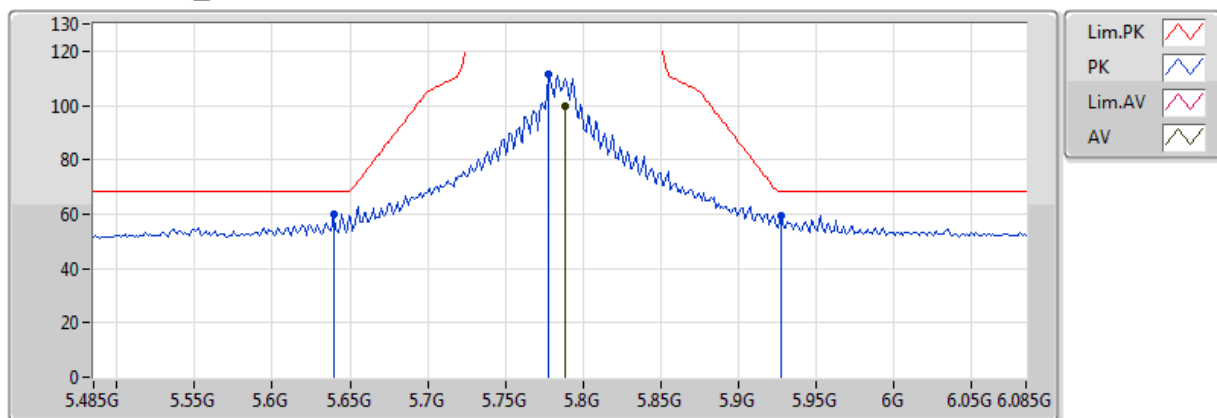


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	45.73	54.00	-8.27	13.63	3	H	360	1.50	-
PK	11.49G	56.76	74.00	-17.24	13.63	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

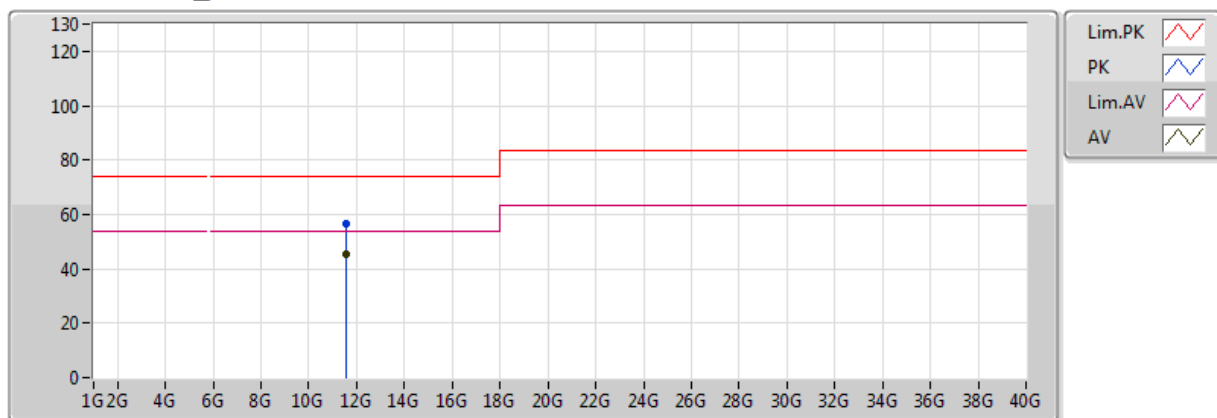


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.7778G	111.47	Inf	-Inf	3.49	3	V	125	1.98	-
PK	5.6398G	60.08	68.20	-8.12	3.39	3	V	125	1.98	-
PK	5.9278G	59.28	68.20	-8.92	3.62	3	V	125	1.98	-
AV	5.7886G	99.87	Inf	-Inf	3.50	3	V	125	1.98	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

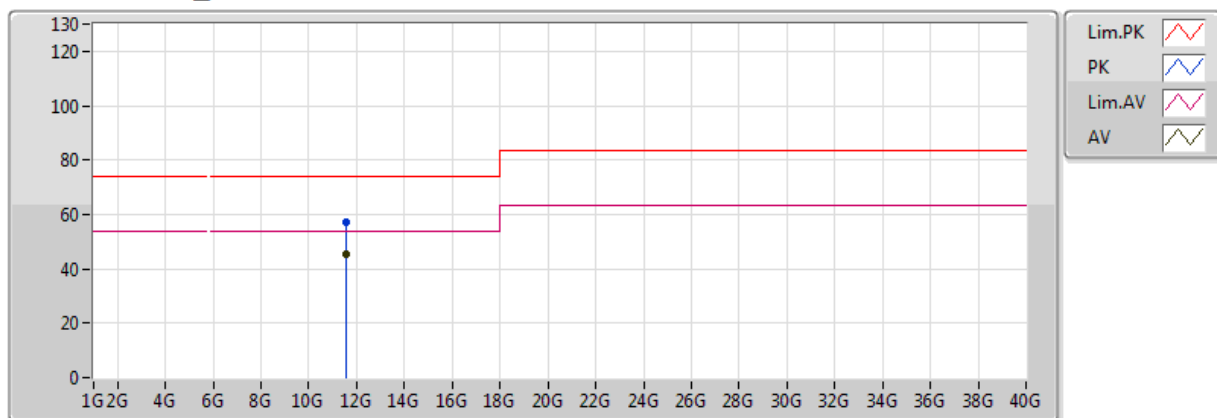


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	45.50	54.00	-8.50	13.49	3	V	360	1.50	-
PK	11.57G	56.70	74.00	-17.30	13.49	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5785MHz_TX

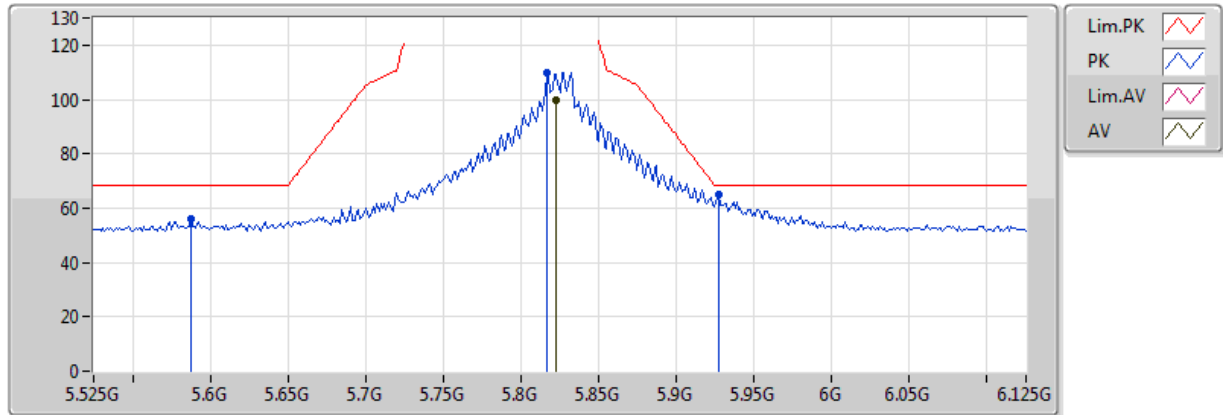


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	45.50	54.00	-8.50	13.49	3	H	0	1.50	-
PK	11.57G	57.06	74.00	-16.94	13.49	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

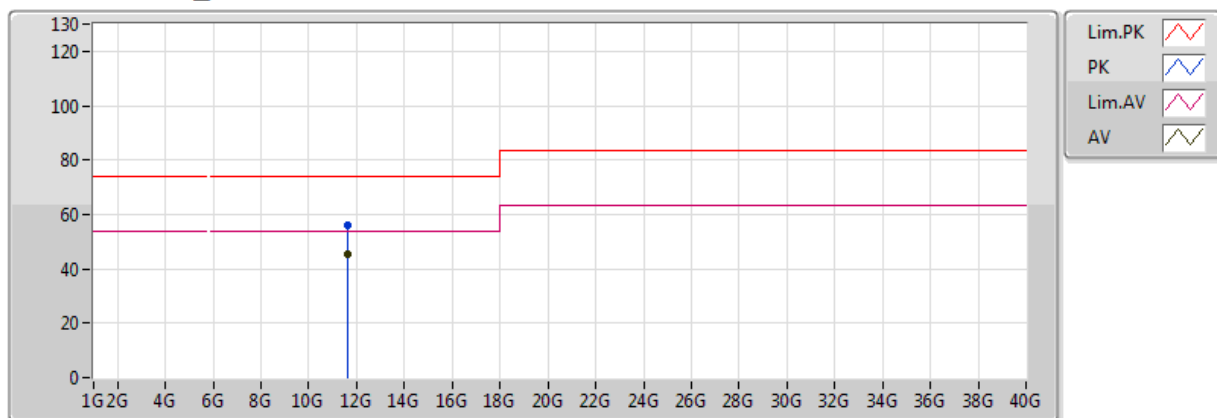


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8226G	99.93	Inf	-Inf	3.53	3	V	141	2.01	-
PK	5.5874G	55.77	68.20	-12.43	3.34	3	V	141	2.01	-
PK	5.8166G	109.87	Inf	-Inf	3.52	3	V	141	2.01	-
PK	5.927G	65.06	68.20	-3.14	3.62	3	V	141	2.01	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

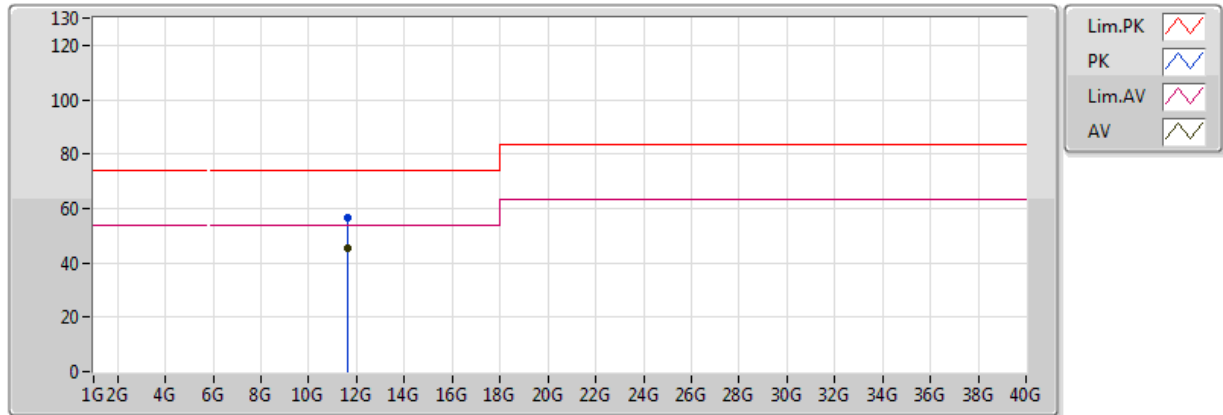


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	45.53	54.00	-8.47	13.35	3	V	0	1.50	-
PK	11.65G	56.24	74.00	-17.76	13.35	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_3TX

5825MHz_TX

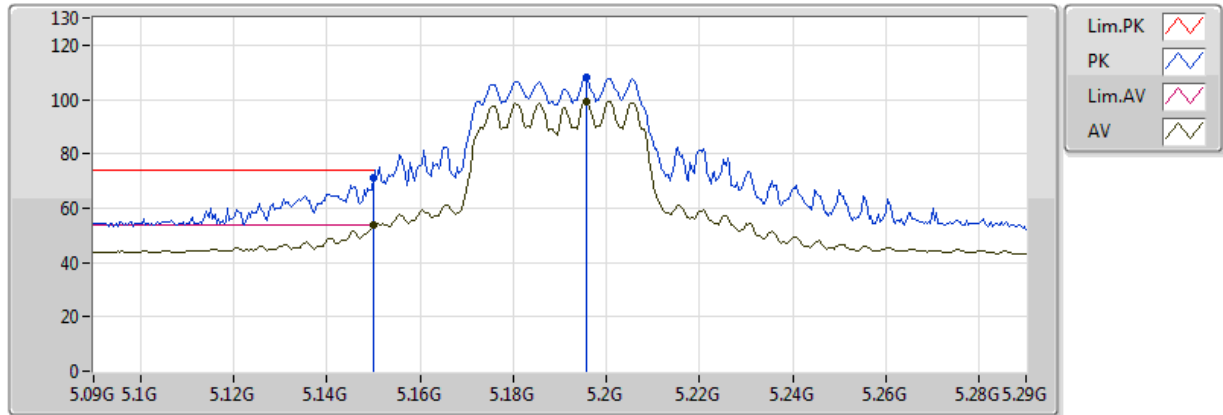


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	45.50	54.00	-8.50	13.35	3	H	360	1.50	-
PK	11.65G	56.75	74.00	-17.25	13.35	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

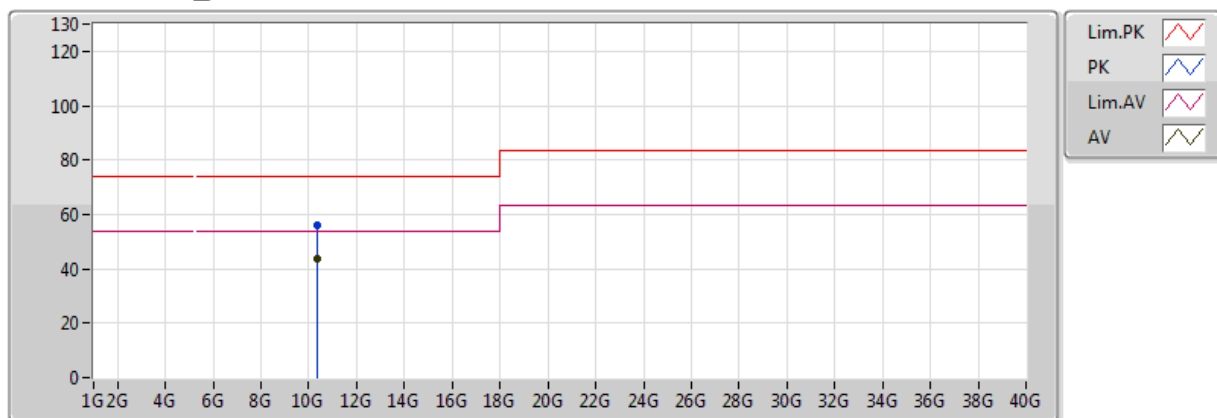


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	53.55	54.00	-0.45	2.90	3	V	141	2.09	-
AV	5.1956G	99.05	Inf	-Inf	2.95	3	V	141	2.09	-
PK	5.149995G	71.04	74.00	-2.96	2.90	3	V	141	2.09	-
PK	5.1956G	108.06	Inf	-Inf	2.95	3	V	141	2.09	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

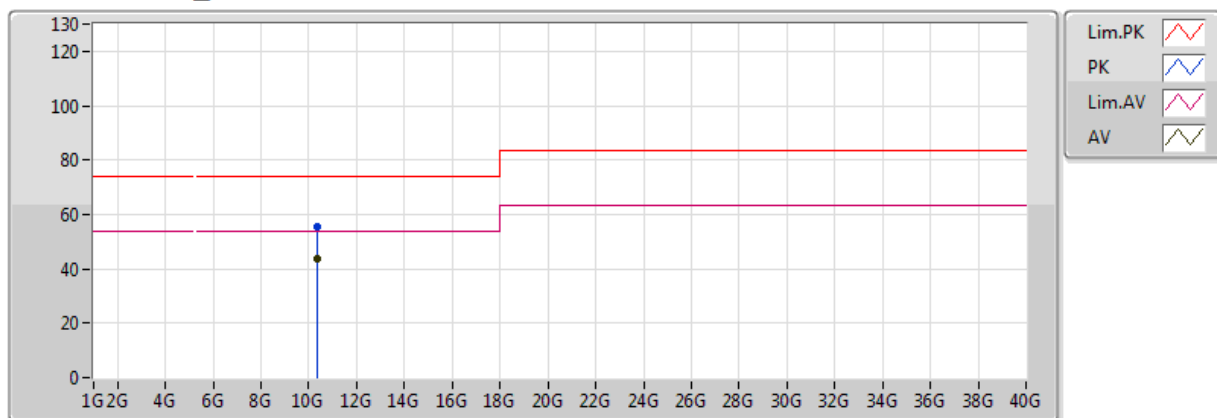


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.38G	43.92	54.00	-10.08	12.84	3	V	360	1.50	-
PK	10.38G	55.95	74.00	-18.05	12.84	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5190MHz_TX

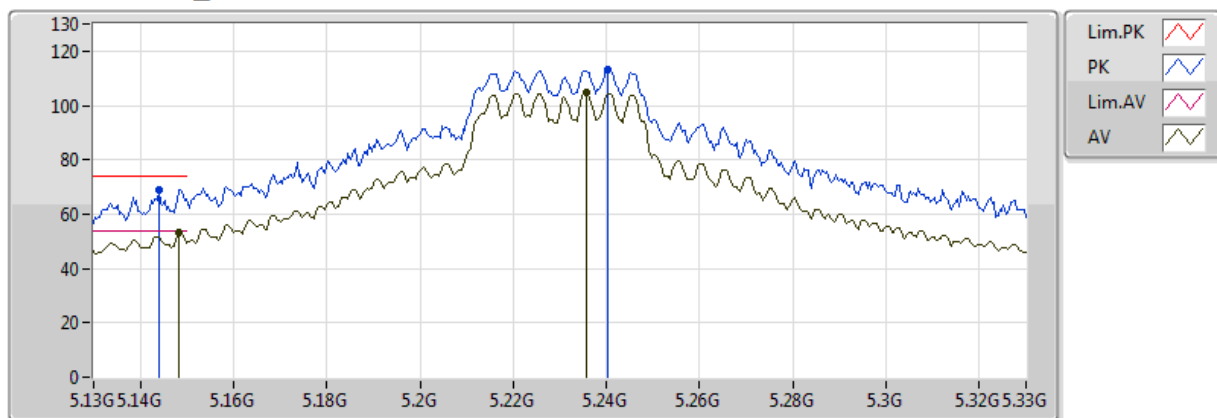


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.38G	43.86	54.00	-10.14	12.84	3	H	0	1.50	-
PK	10.38G	55.42	74.00	-18.58	12.84	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

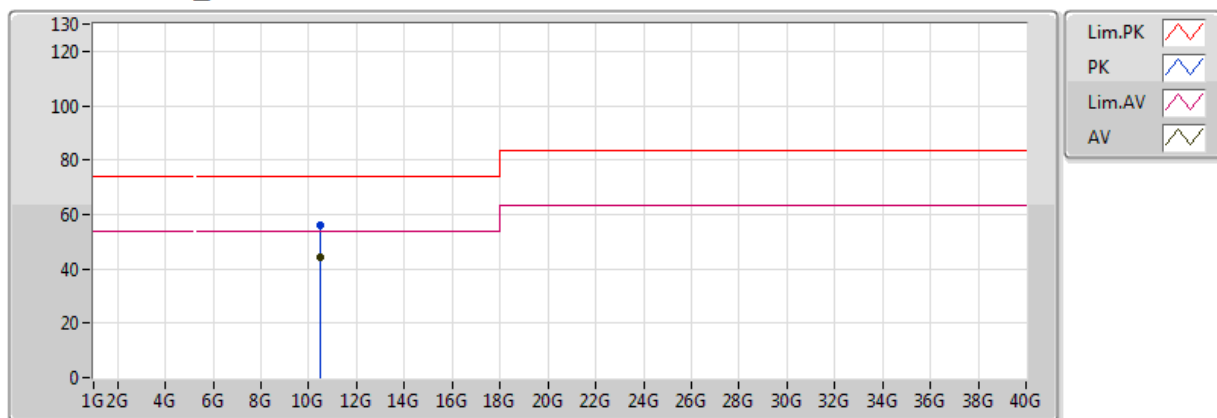


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1484G	52.96	54.00	-1.04	2.90	3	V	143	2.14	-
AV	5.2356G	104.70	Inf	-Inf	2.99	3	V	143	2.14	-
PK	5.144G	69.07	74.00	-4.93	2.89	3	V	143	2.14	-
PK	5.2404G	113.24	Inf	-Inf	2.99	3	V	143	2.14	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

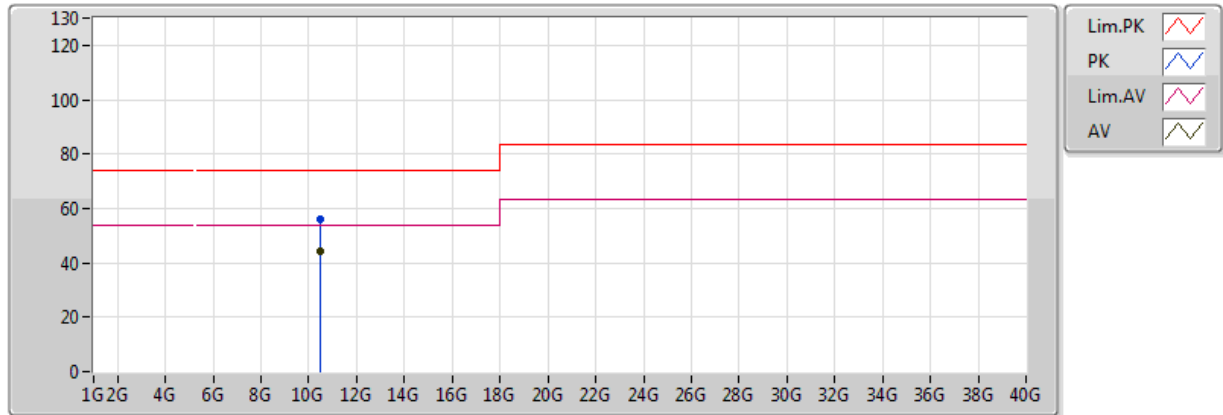


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.46G	44.01	54.00	-9.99	13.05	3	V	0	1.50	-
PK	10.46G	55.78	74.00	-18.22	13.05	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5230MHz_TX

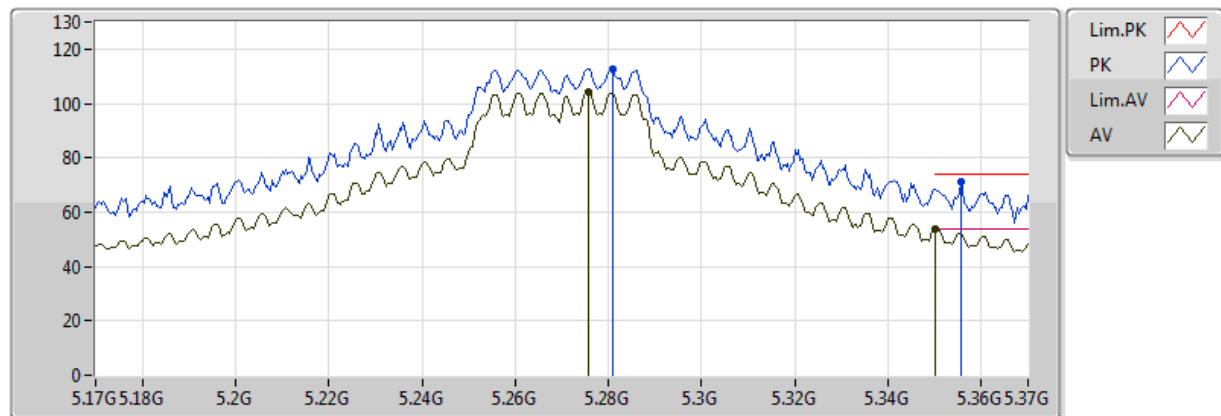


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.46G	44.10	54.00	-9.90	13.05	3	H	360	1.50	-
PK	10.46G	55.82	74.00	-18.18	13.05	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

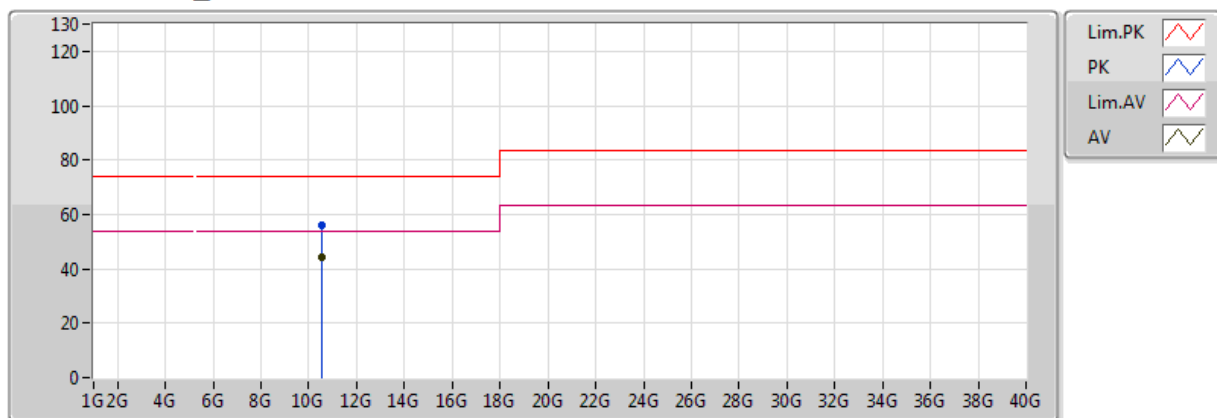


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.2756G	104.04	Inf	-Inf	3.03	3	V	145	2.14	-
AV	5.350005G	53.68	54.00	-0.32	3.11	3	V	145	2.14	-
PK	5.2808G	112.65	Inf	-Inf	3.04	3	V	145	2.14	-
PK	5.3556G	71.33	74.00	-2.67	3.12	3	V	145	2.14	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

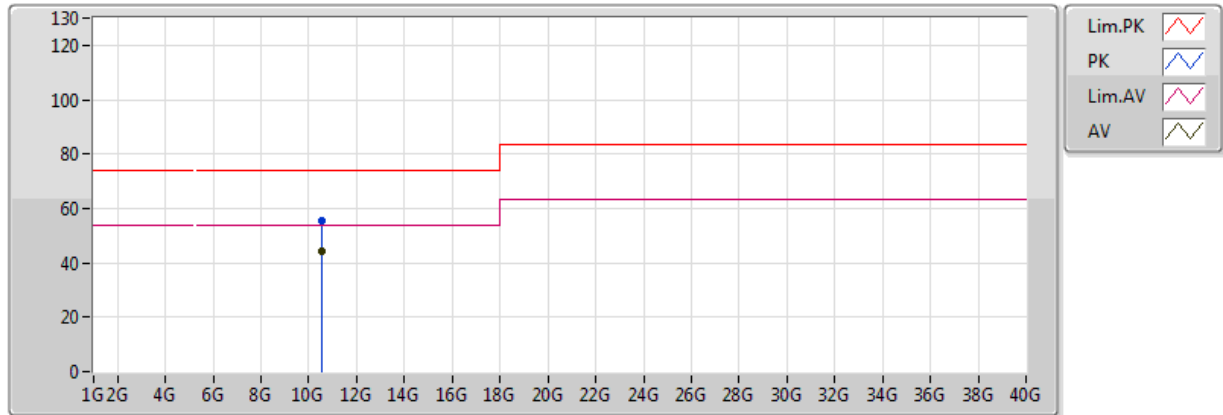


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.54G	44.01	54.00	-9.99	13.25	3	V	360	1.50	-
PK	10.54G	56.21	74.00	-17.79	13.25	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5270MHz_TX

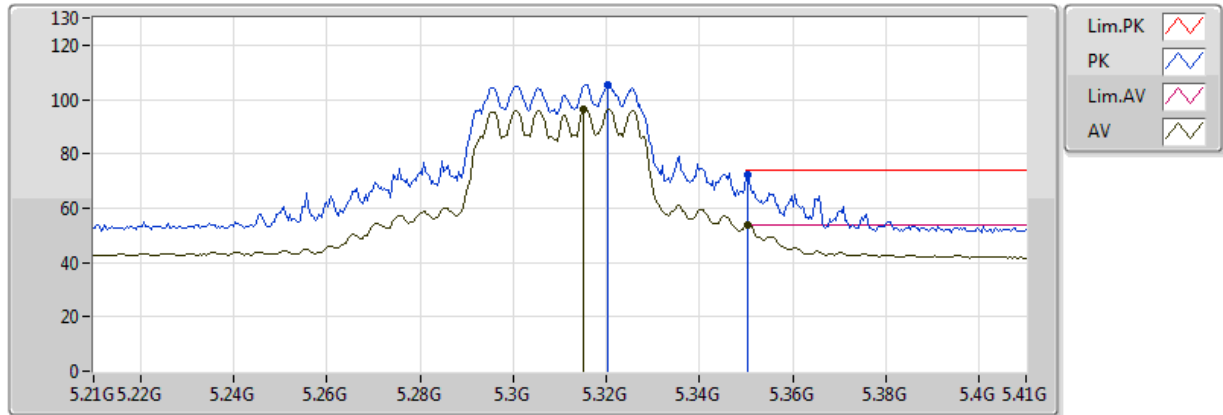


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.54G	44.04	54.00	-9.96	13.25	3	H	0	1.50	-
PK	10.54G	55.72	74.00	-18.28	13.25	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

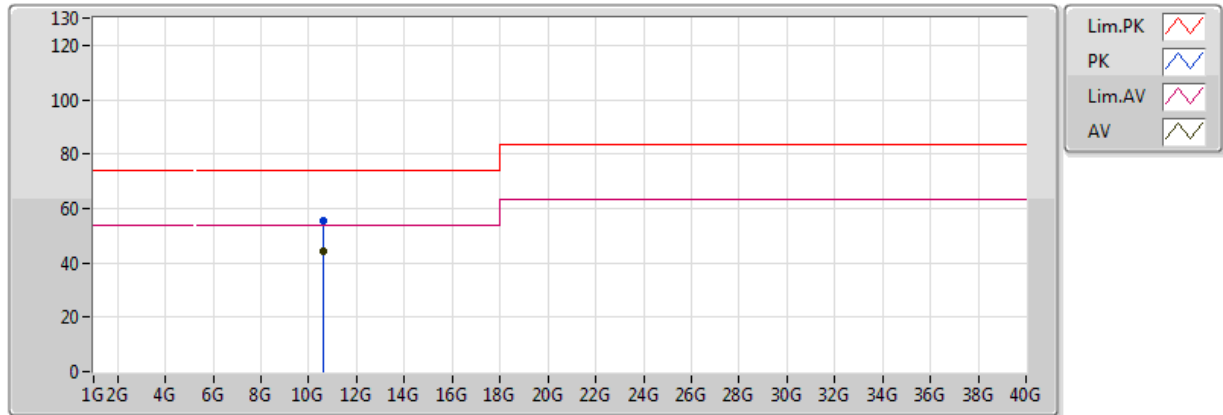


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.3152G	96.42	Inf	-Inf	3.08	3	V	145	2.16	-
AV	5.3504G	53.81	54.00	-0.19	3.11	3	V	145	2.16	-
PK	5.3204G	105.58	Inf	-Inf	3.08	3	V	145	2.16	-
PK	5.3504G	72.34	74.00	-1.66	3.11	3	V	145	2.16	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

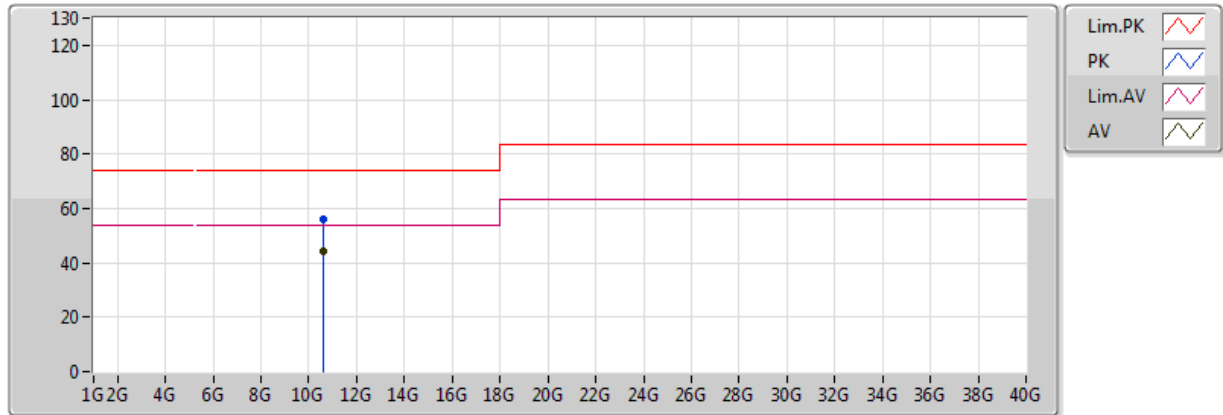


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.62G	44.11	54.00	-9.89	13.46	3	V	0	1.50	-
PK	10.62G	55.54	74.00	-18.46	13.46	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5310MHz_TX

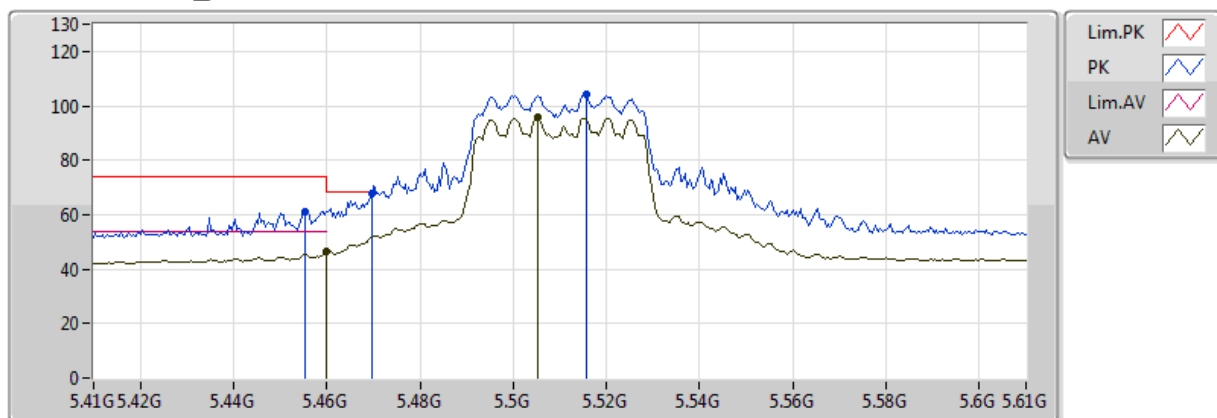


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.62G	44.12	54.00	-9.88	13.46	3	H	360	1.50	-
PK	10.62G	56.07	74.00	-17.93	13.46	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5510MHz_TX

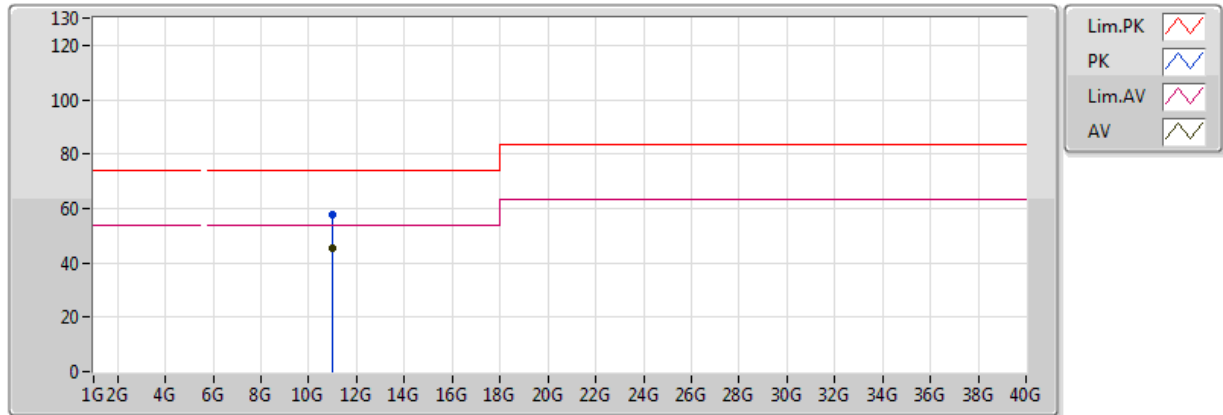


Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	46.50	54.00	-7.50	3.23	3	V	147	1.50	-
AV	5.5052G	95.57	Inf	-Inf	3.27	3	V	147	1.50	-
PK	5.4552G	61.25	74.00	-12.75	3.22	3	V	147	1.50	-
PK	5.4696G	67.96	68.20	-0.24	3.24	3	V	147	1.50	-
PK	5.5156G	104.42	Inf	-Inf	3.28	3	V	147	1.50	-

802.11ac VHT40_Nss1,(MCS0)_3TX

5510MHz_TX



Eut: Z Ant: Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.02G	45.23	54.00	-8.77	14.43	3	V	360	1.50	-
PK	11.02G	57.45	74.00	-16.55	14.43	3	V	360	1.50	-