

FCC Test Report

Equipment : Wireless-AC VPN Router
Brand Name : CISCO
Model No. : RV160W
FCC ID : PD5-RV160W
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 08, 2017 and completely tested on Aug. 03, 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-RV160W

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]

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

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Master Wave	98619PIPF040	Dipole	I-PEX	5.06
2	Master Wave	98619PIPF041	Dipole	I-PEX	5.57
Note: 1: 802.11a/an/ac used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)					

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From 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

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a	0.987	0.057	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	0.963	0.164	954.688u	3k
VHT80	0.92	0.362	461.875u	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
- ♦ 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.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Ryan	24.5°C / 65%	03/Aug/2017
Radiated	03CH03-HY	Terry	21.4°C / 57%	30/May/2017
AC Conduction	CO01-LK	Alex	25°C / 61%	16/May/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	1.3 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

Test Software Version	Mtool 2.0.1.1
-----------------------	---------------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	48
5200MHz	49
5240MHz	49
5260MHz	50
5300MHz	50
5320MHz	50
5500MHz	74
5580MHz	79
5700MHz	70
5745MHz	66
5785MHz	85
5825MHz	66



802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	48
5200MHz	49
5240MHz	49
5260MHz	50
5300MHz	50
5320MHz	50
5500MHz	70
5580MHz	80
5700MHz	68
5745MHz	84
5785MHz	84
5825MHz	84
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	59
5230MHz	59
5270MHz	57
5310MHz	56
5510MHz	56
5550MHz	62
5670MHz	61
5755MHz	65
5795MHz	65
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	54
5290MHz	52
5530MHz	51
5775MHz	64

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	Adapter Mode

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	CTX
1	WLAN 2.4GHz + WLAN 5GHz
Refer to Sporton Test Report No.: FA750812 for Co-location RF Exposure Evaluation and Report Clause 3.5.8 for Radiated Emission Co-location.	

2.4 Accessories

Accessories				
AC Adapter	Brand Name	DVE	Model Name	DSA-24PFM-12 FCA 120200
	Power Rating	I/P: 100 - 240Vac, 0.8 A, O/P: 12 Vdc, 2A		
	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		

2.5 Support Equipment

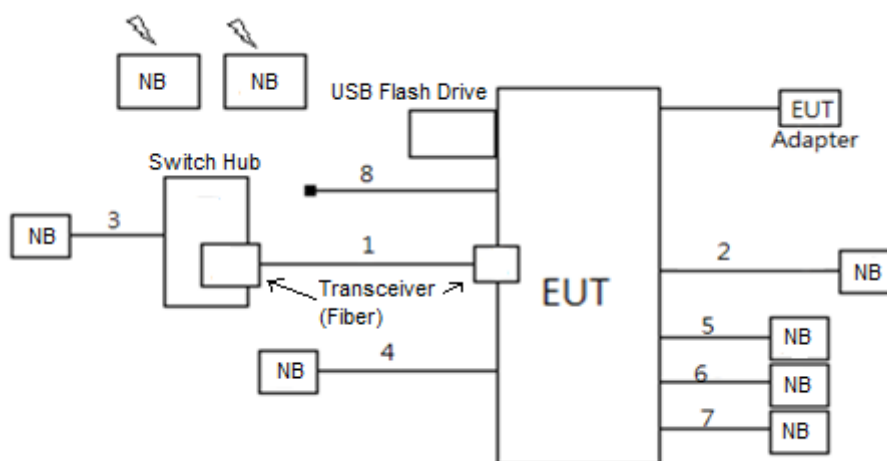
Support Equipment - RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

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

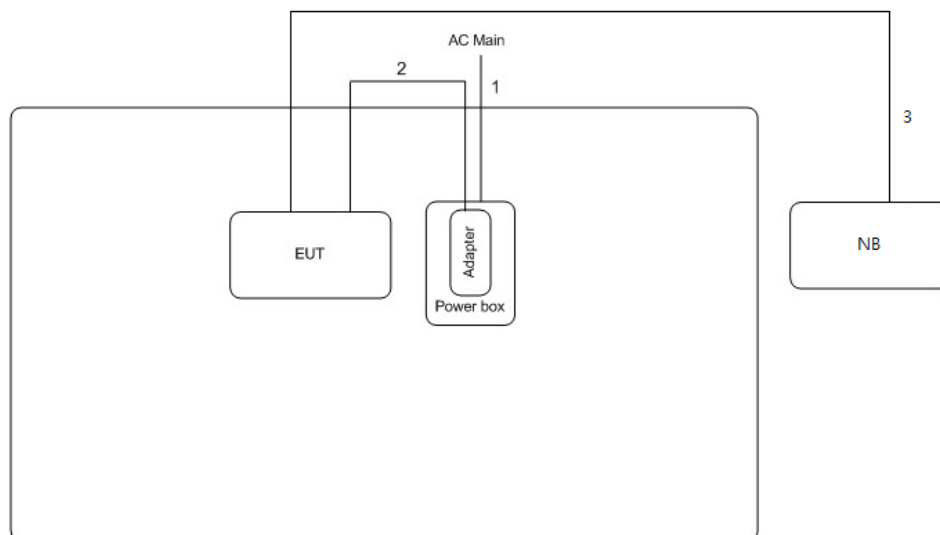
Support Equipment - AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	USB Flash Drive	Transcend	TS8GJFV85	DoC
2	Transceiver (Fiber)	Finisar	FTLF8519P2BNL	-
3	Switch Hub	DELL	N3024	-
4	Transceiver (Fiber)	Finisar	FTLF8519P2BNL	-
5	Notebook	DELL	PP13S	DoC
6	Notebook	DELL	PP13S	DoC
7	Notebook	DELL	PP13S	DoC
8	Notebook	DELL	PP13S	DoC
9	Notebook	DELL	PP13S	DoC
10	Notebook	DELL	PP13S	DoC
11	Notebook (WiFi 2.4G)	DELL	Latitude E5540	DoC
12	Notebook (WiFi 5G)	DELL	Latitude E5540	DoC

2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



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

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	AC Power cable	No	1.8m
2	DC Power cable	No	1.2m
3	RJ45 cable	No	10m

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

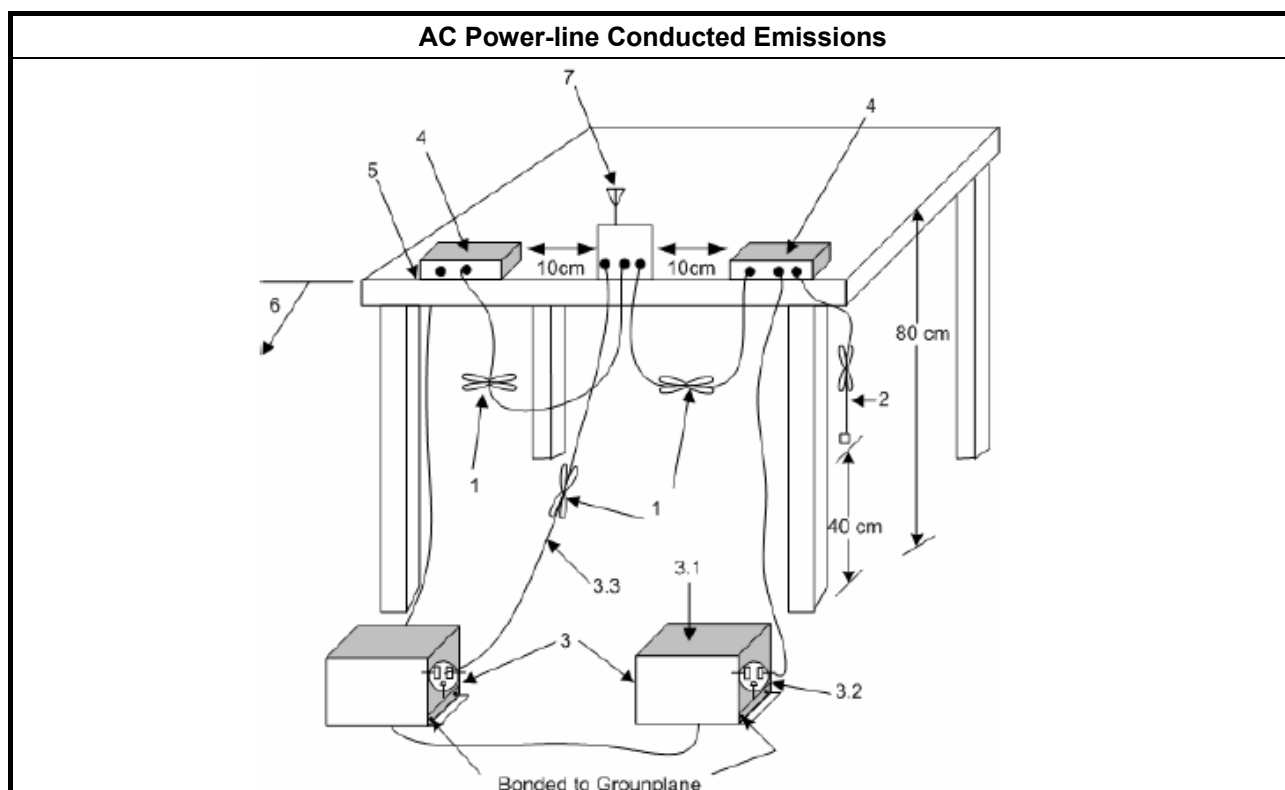
3.1.2 Measuring Instruments

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

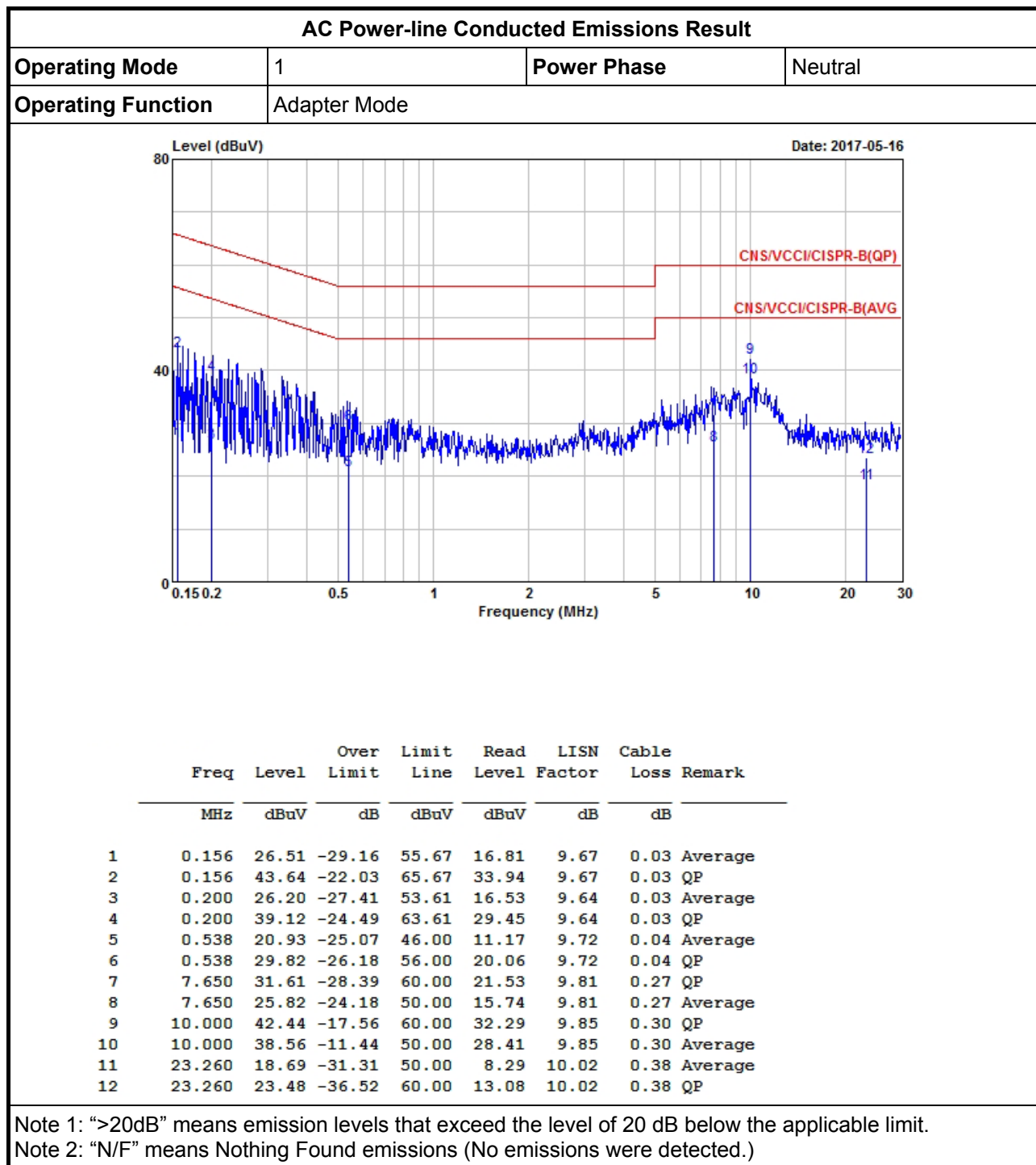
3.1.3 Test Procedures

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

3.1.4 Test Setup

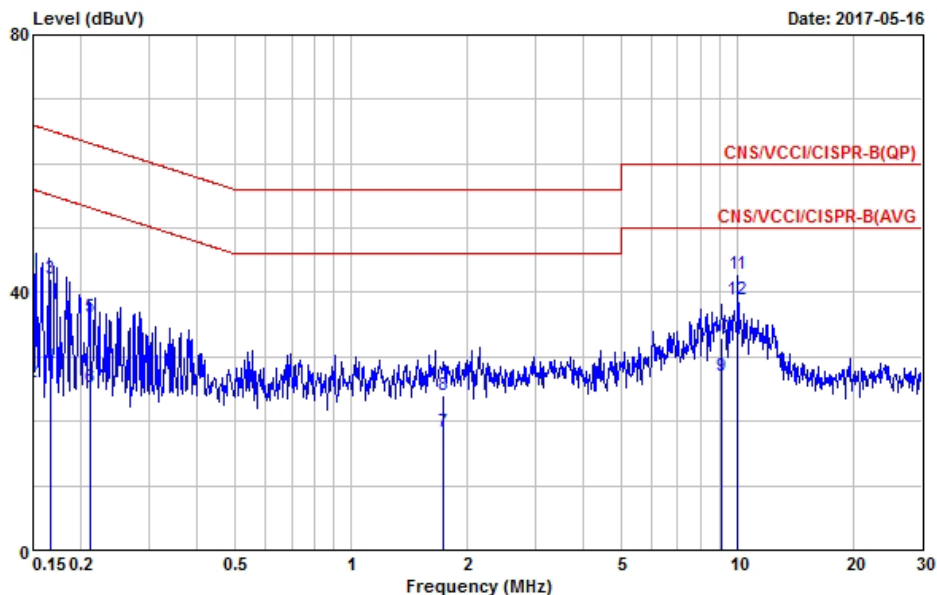


3.1.5 Test Result of AC Power-line Conducted Emissions



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.150	43.21	-22.79	66.00	33.48	9.70	0.03	QP
2	0.150	25.96	-30.04	56.00	16.23	9.70	0.03	Average
3	0.167	42.05	-23.06	65.11	32.32	9.70	0.03	QP
4	0.167	28.59	-26.52	55.11	18.86	9.70	0.03	Average
5	0.211	36.15	-27.02	63.17	26.43	9.69	0.03	QP
6	0.211	25.29	-27.88	53.17	15.57	9.69	0.03	Average
7	1.730	18.40	-27.60	46.00	8.64	9.64	0.12	Average
8	1.730	24.03	-31.97	56.00	14.27	9.64	0.12	QP
9	9.110	26.91	-23.09	50.00	16.75	9.87	0.29	Average
10	9.110	32.82	-27.18	60.00	22.66	9.87	0.29	QP
11	10.000	42.79	-17.21	60.00	32.60	9.89	0.30	QP
12	10.000	38.95	-11.05	50.00	28.76	9.89	0.30	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.

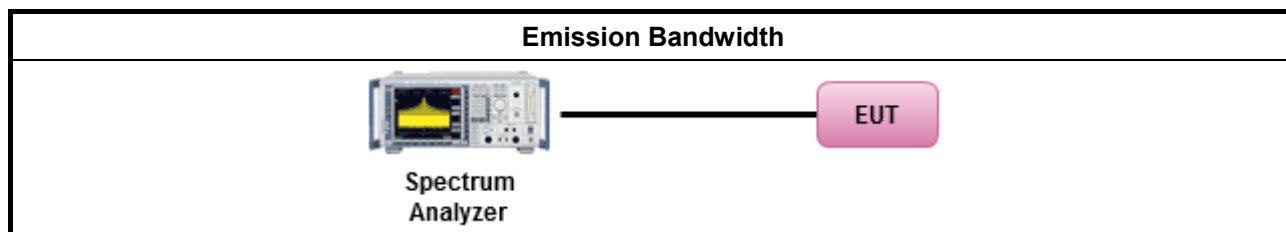
3.2.2 Measuring Instruments

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 IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-
5.15-5.25GHz	20.175M	16.592M	16M6D1D	19.875M	16.492M
5.25-5.35GHz	20.375M	16.567M	16M6D1D	19.875M	16.492M
5.47-5.725GHz	41.425M	18.241M	18M2D1D	25.75M	16.592M
5.725-5.85GHz	16.375M	32.359M	32M4D1D	16.3M	16.517M
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	20.6M	17.716M	17M7D1D	20.35M	17.666M
5.25-5.35GHz	20.65M	17.691M	17M7D1D	20.275M	17.666M
5.47-5.725GHz	41.85M	18.066M	18M1D1D	24.275M	17.716M
5.725-5.85GHz	17.55M	25.887M	25M9D1D	17.525M	23.363M
802.11ac_VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	39.95M	36.282M	36M3D1D	39.65M	36.232M
5.25-5.35GHz	40.2M	36.232M	36M2D1D	39M	36.182M
5.47-5.725GHz	53.1M	36.332M	36M3D1D	39.45M	36.232M
5.725-5.85GHz	36.35M	36.232M	36M2D1D	35.95M	36.232M
802.11ac_VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	83.1M	75.862M	75M9D1D	82M	75.762M
5.25-5.35GHz	83M	75.762M	75M8D1D	82M	75.762M
5.47-5.725GHz	82.7M	75.662M	75M7D1D	82.3M	75.562M
5.725-5.85GHz	75.3M	75.762M	75M8D1D	75.3M	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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20M	16.592M	19.975M	16.542M
5200MHz	Pass	Inf	19.925M	16.517M	20M	16.542M
5240MHz	Pass	Inf	19.875M	16.542M	20.175M	16.492M
5260MHz	Pass	Inf	20.175M	16.567M	19.875M	16.542M
5300MHz	Pass	Inf	19.975M	16.542M	20.375M	16.542M
5320MHz	Pass	Inf	19.975M	16.542M	20M	16.492M
5500MHz	Pass	Inf	37.35M	17.041M	33.375M	16.817M
5580MHz	Pass	Inf	41.425M	18.241M	37.7M	17.691M
5700MHz	Pass	Inf	28.775M	16.692M	25.75M	16.592M
5745MHz	Pass	500k	16.325M	16.617M	16.375M	16.567M
5785MHz	Pass	500k	16.3M	32.359M	16.3M	30.235M
5825MHz	Pass	500k	16.3M	16.567M	16.35M	16.517M
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.55M	17.691M	20.35M	17.666M
5200MHz	Pass	Inf	20.55M	17.691M	20.45M	17.666M
5240MHz	Pass	Inf	20.525M	17.691M	20.6M	17.716M
5260MHz	Pass	Inf	20.625M	17.691M	20.275M	17.666M
5300MHz	Pass	Inf	20.6M	17.691M	20.425M	17.666M
5320MHz	Pass	Inf	20.65M	17.691M	20.35M	17.691M
5500MHz	Pass	Inf	39.6M	17.866M	27.55M	17.791M
5580MHz	Pass	Inf	41.85M	17.941M	41.225M	18.066M
5700MHz	Pass	Inf	27.55M	17.741M	24.275M	17.716M
5745MHz	Pass	500k	17.525M	23.538M	17.55M	25.787M
5785MHz	Pass	500k	17.55M	23.363M	17.525M	25.887M
5825MHz	Pass	500k	17.55M	23.413M	17.525M	24.763M
802.11ac_VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.85M	36.232M	39.7M	36.282M
5230MHz	Pass	Inf	39.95M	36.232M	39.65M	36.282M
5270MHz	Pass	Inf	40.2M	36.232M	39.55M	36.232M
5310MHz	Pass	Inf	40.1M	36.232M	39M	36.182M
5510MHz	Pass	Inf	40.15M	36.282M	39.6M	36.332M
5550MHz	Pass	Inf	53.1M	36.282M	39.45M	36.232M
5670MHz	Pass	Inf	41.15M	36.232M	39.45M	36.232M
5755MHz	Pass	500k	36M	36.232M	36.3M	36.232M
5795MHz	Pass	500k	35.95M	36.232M	36.35M	36.232M
802.11ac_VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.1M	75.762M	82M	75.862M
5290MHz	Pass	Inf	83M	75.762M	82M	75.762M
5530MHz	Pass	Inf	82.7M	75.662M	82.3M	75.562M
5775MHz	Pass	500k	75.3M	75.762M	75.3M	75.762M

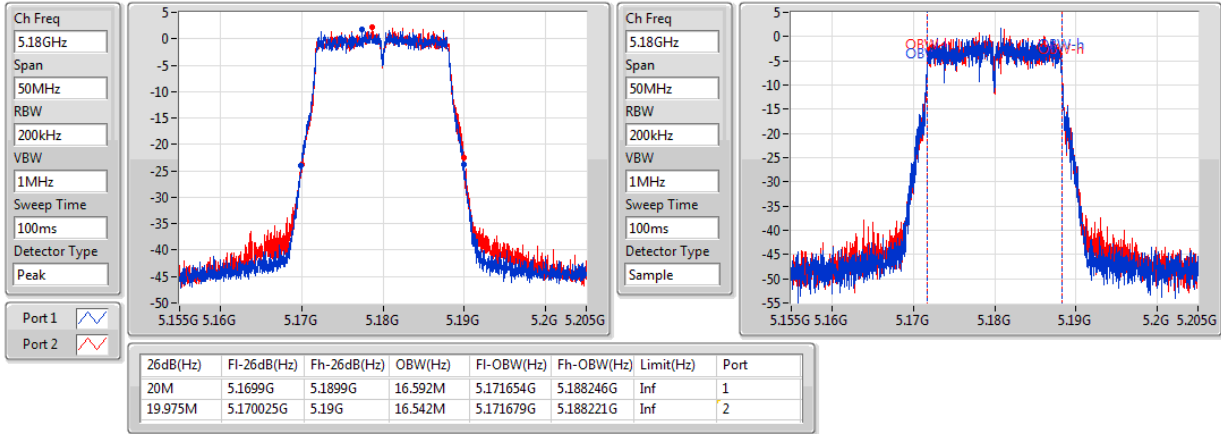
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

802.11a_Nss1,(6Mbps)_2TX

EBW

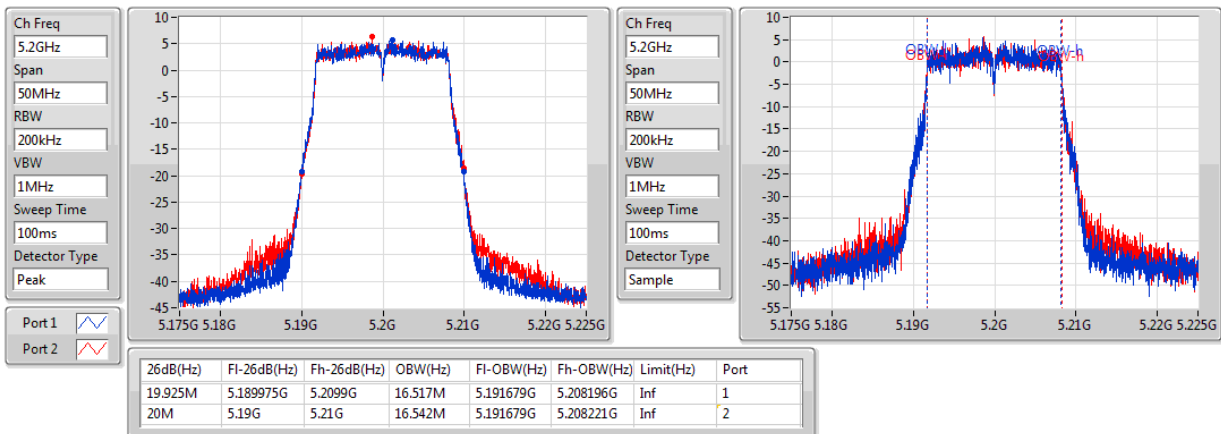
5180MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

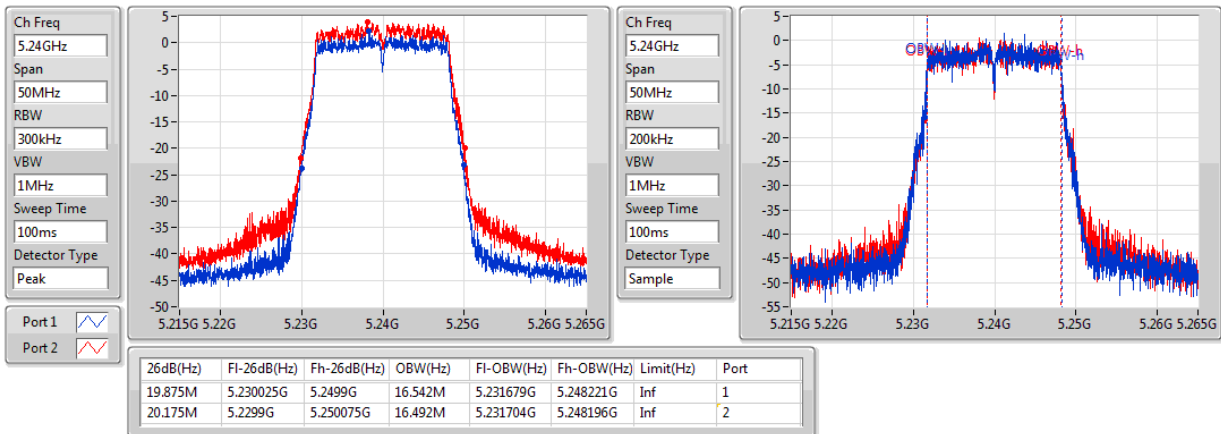
5200MHz

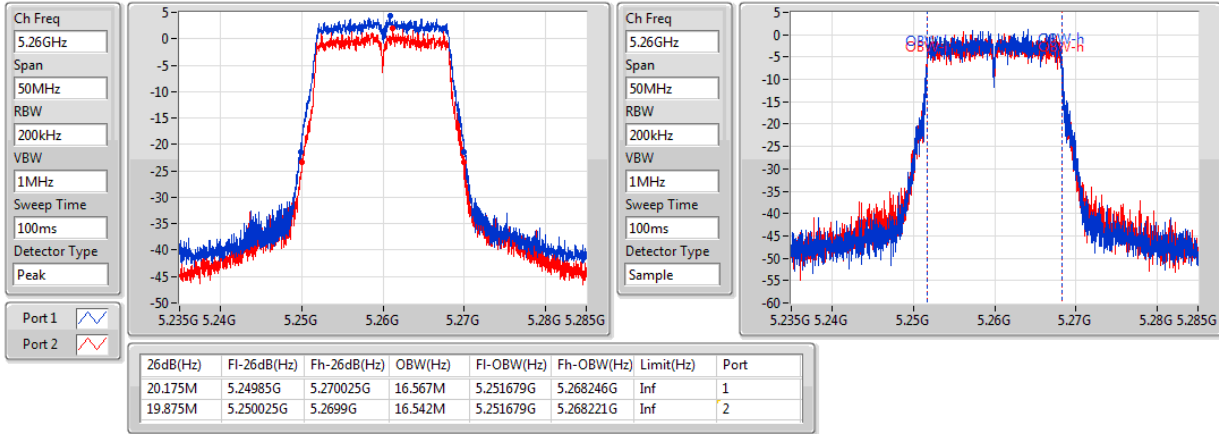
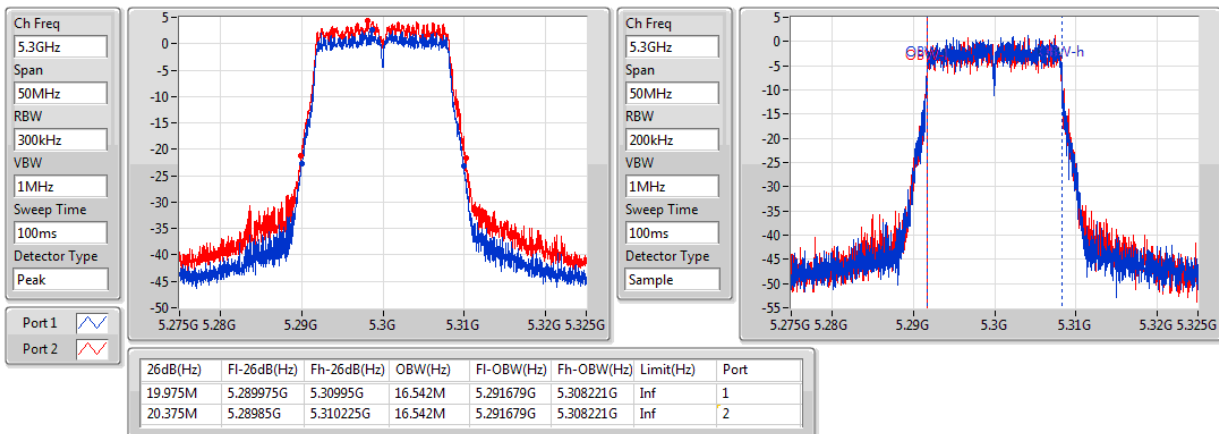
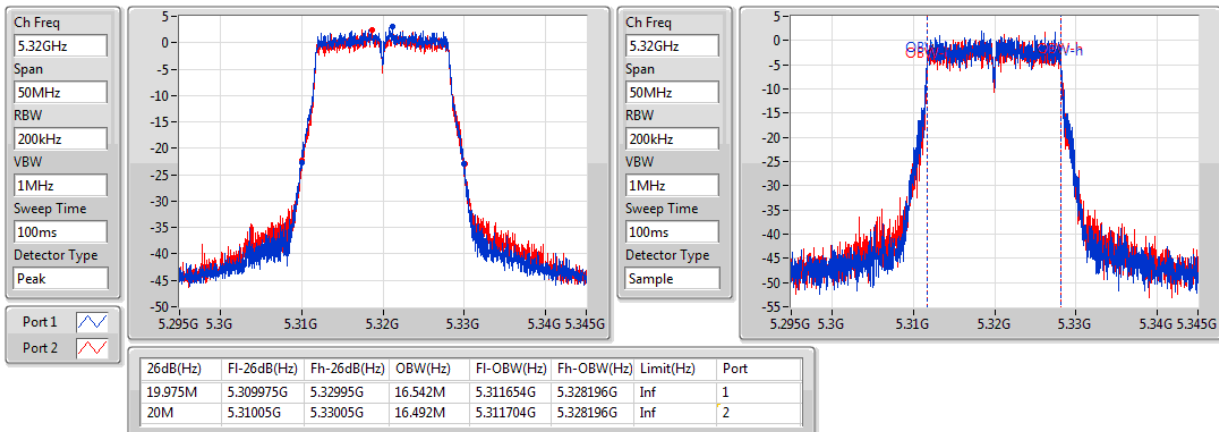


802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

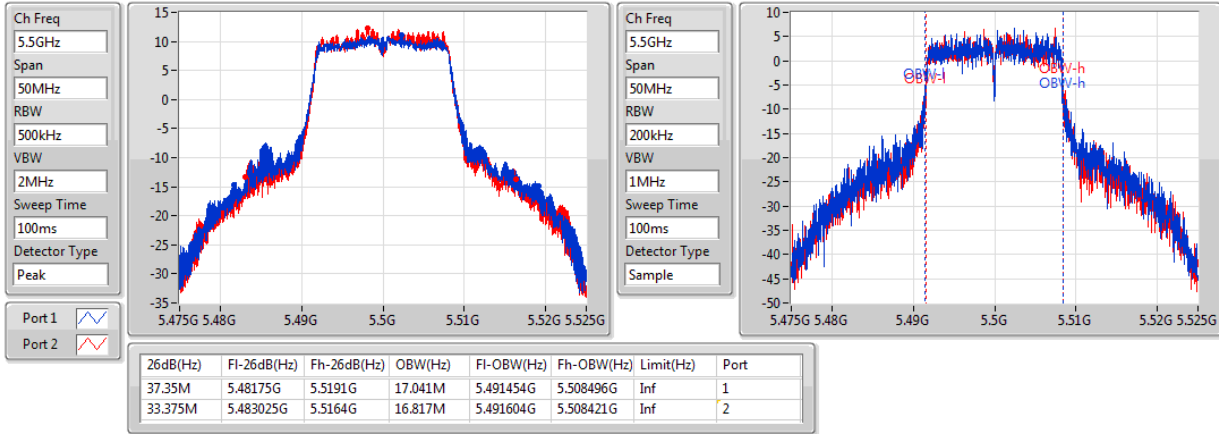


802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

802.11a_Nss1,(6Mbps)_2TX
EBW
5300MHz

802.11a_Nss1,(6Mbps)_2TX
EBW
5320MHz


802.11a_Nss1,(6Mbps)_2TX

EBW

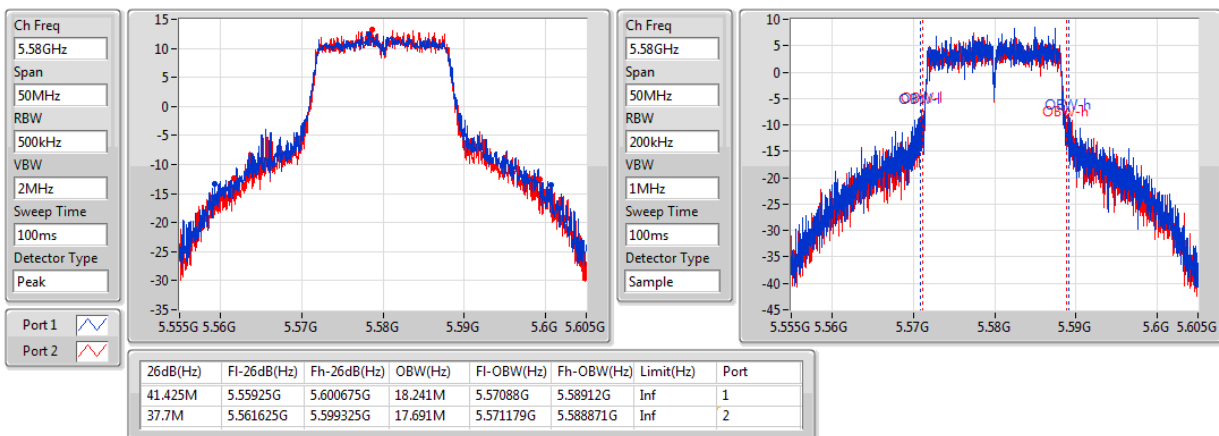
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802.11a_Nss1,(6Mbps)_2TX

EBW

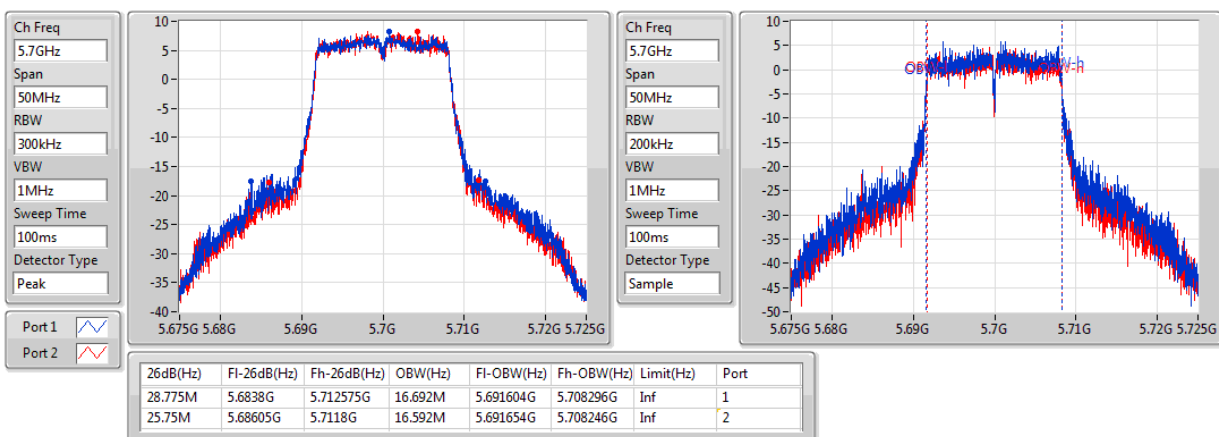
5580MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

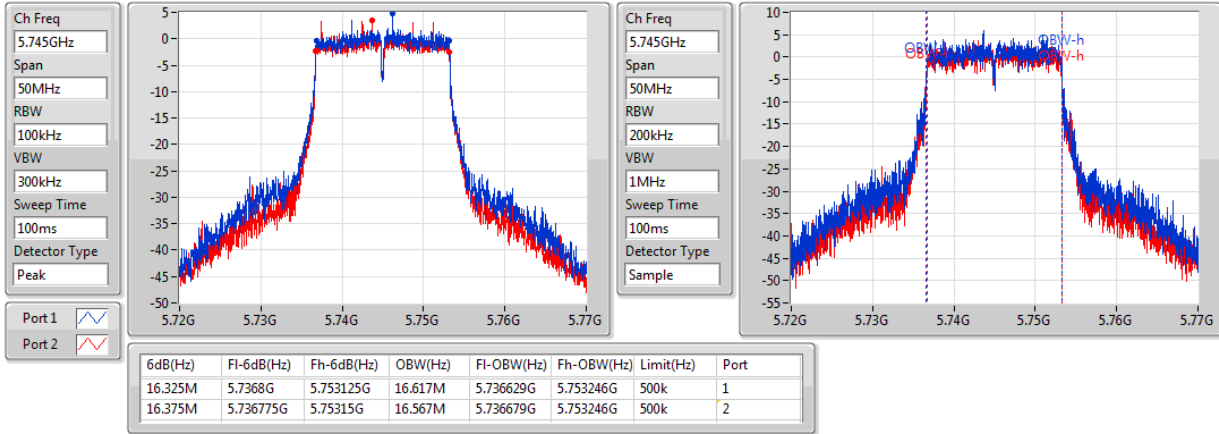
5700MHz



802.11a_Nss1,(6Mbps)_2TX

EBW

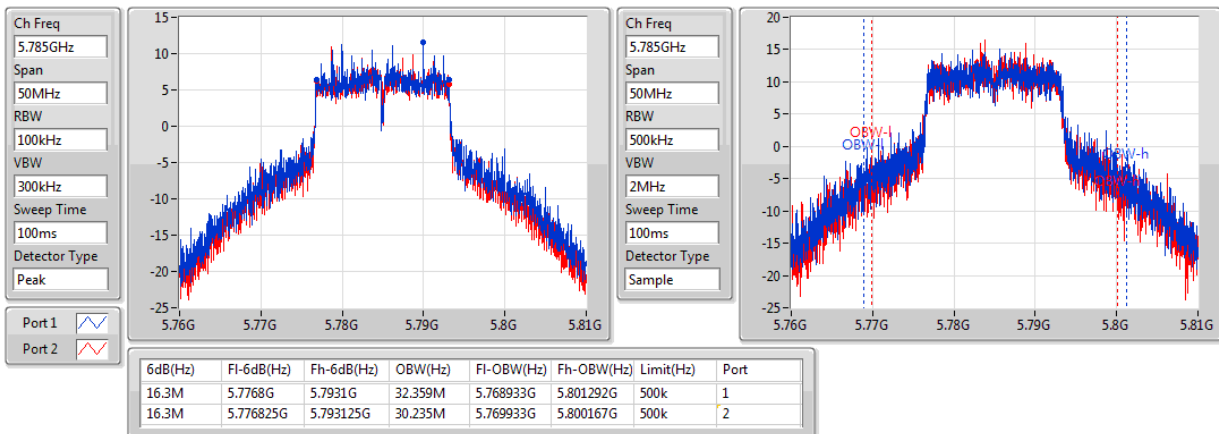
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802.11a_Nss1,(6Mbps)_2TX

EBW

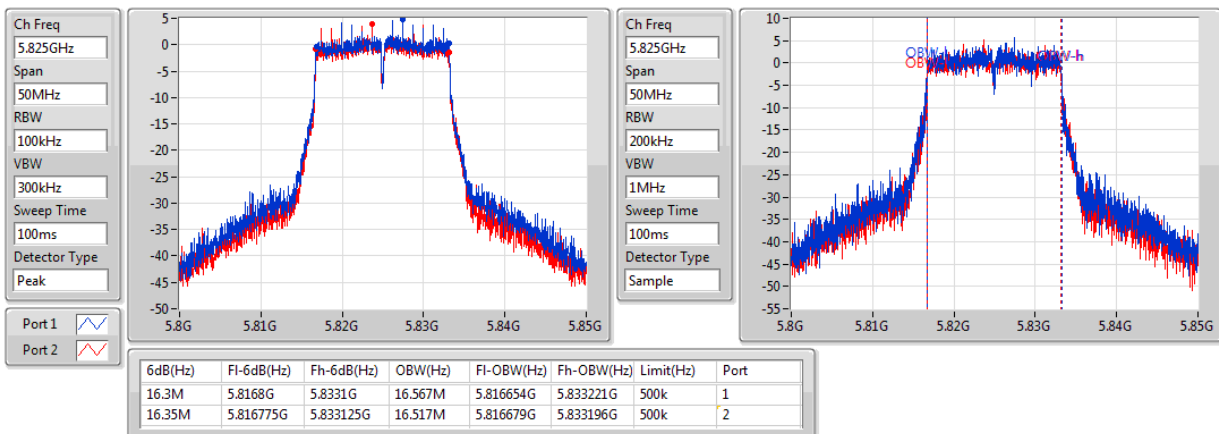
5785MHz

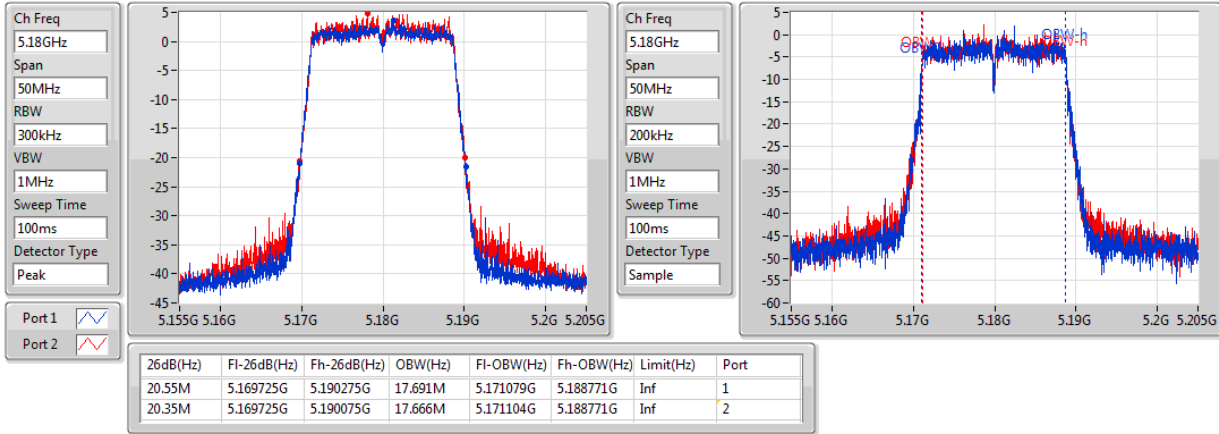
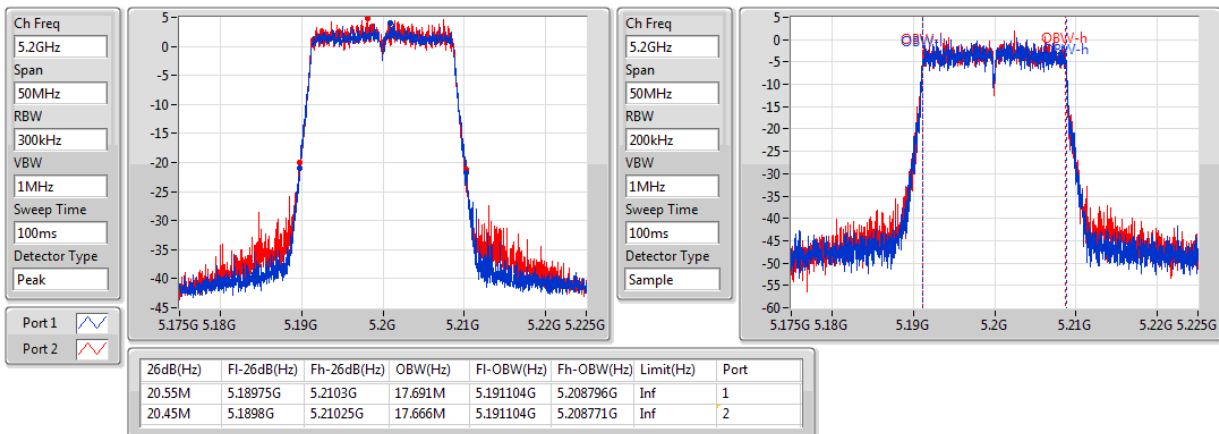
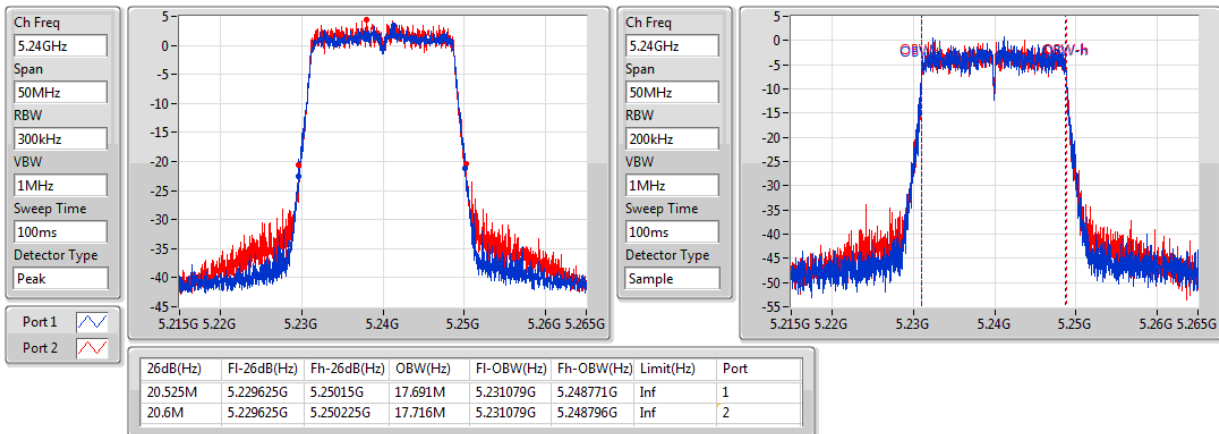


802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

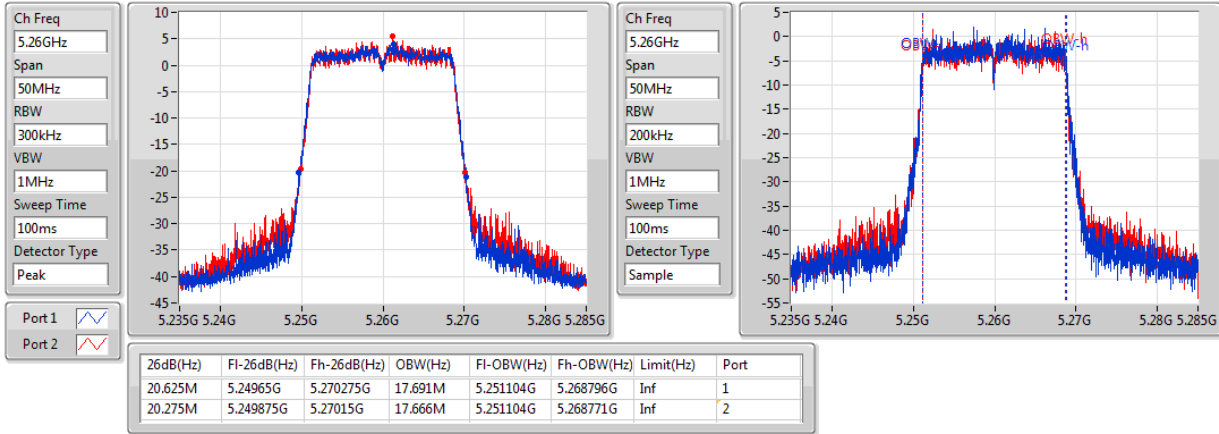


802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

802.11ac VHT20_Nss1,(MCS0)_2TX
EBW
5240MHz


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

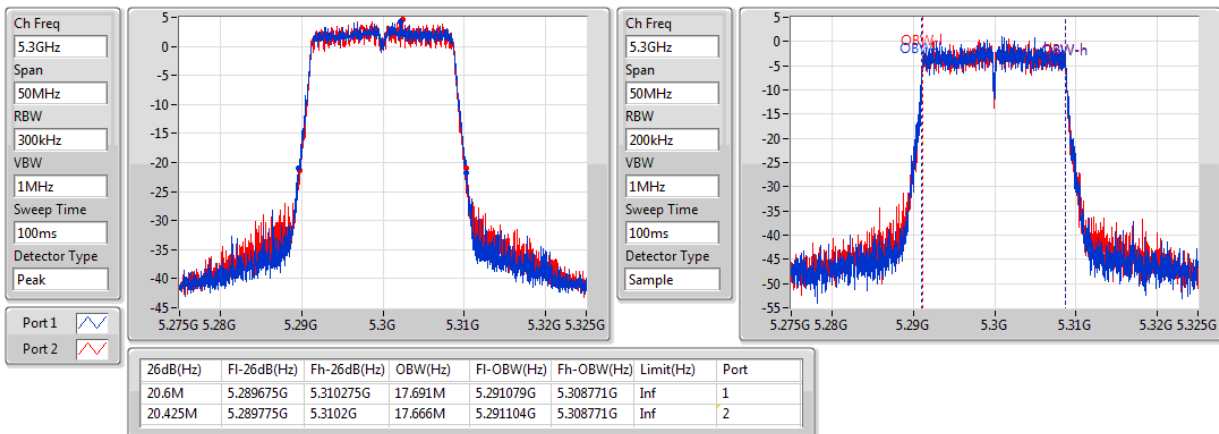
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

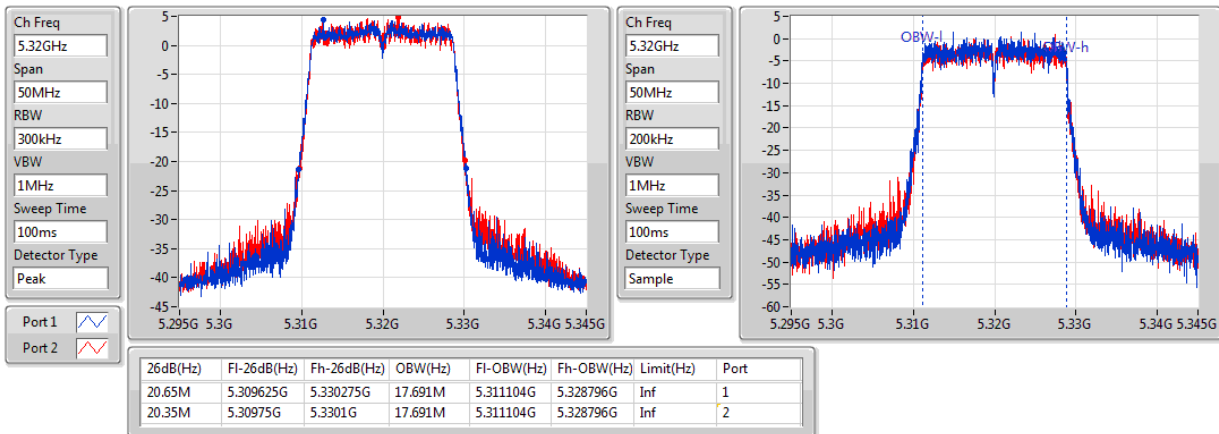
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802.11ac VHT20_Nss1,(MCS0)_2TX

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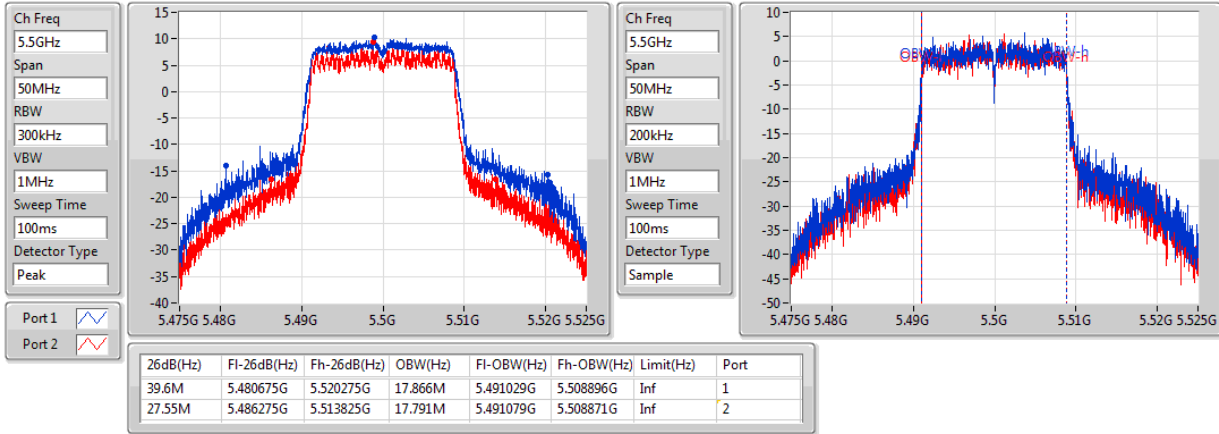
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802.11ac VHT20_Nss1,(MCS0)_2TX

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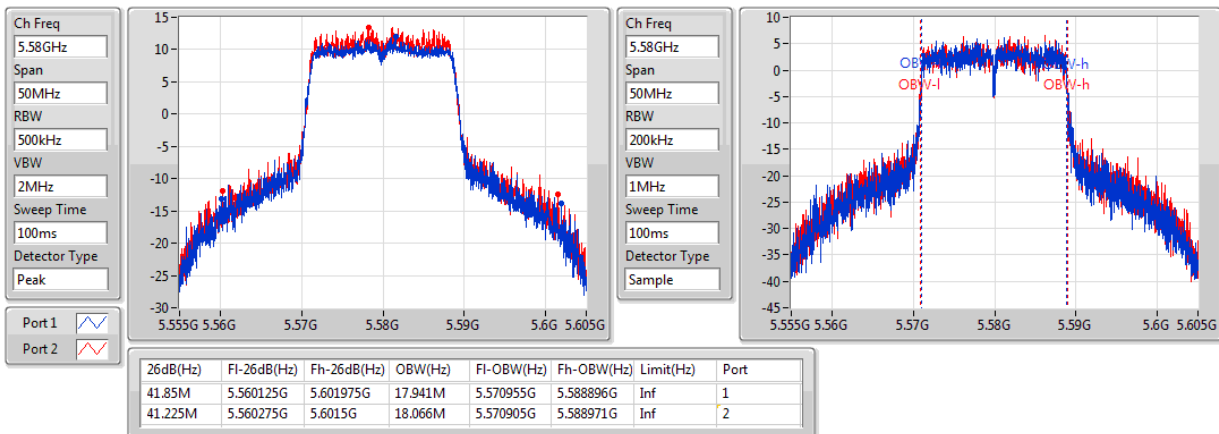
5500MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

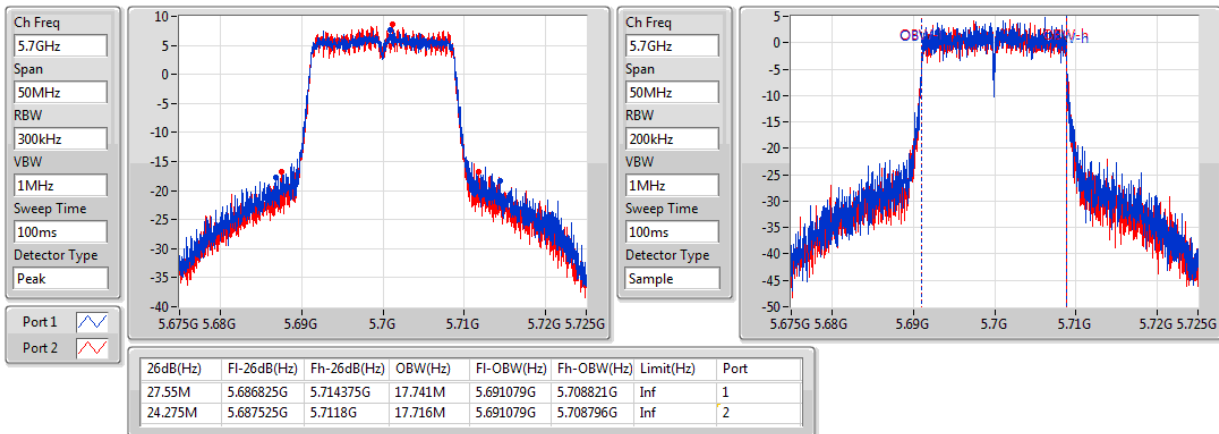
5580MHz



802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

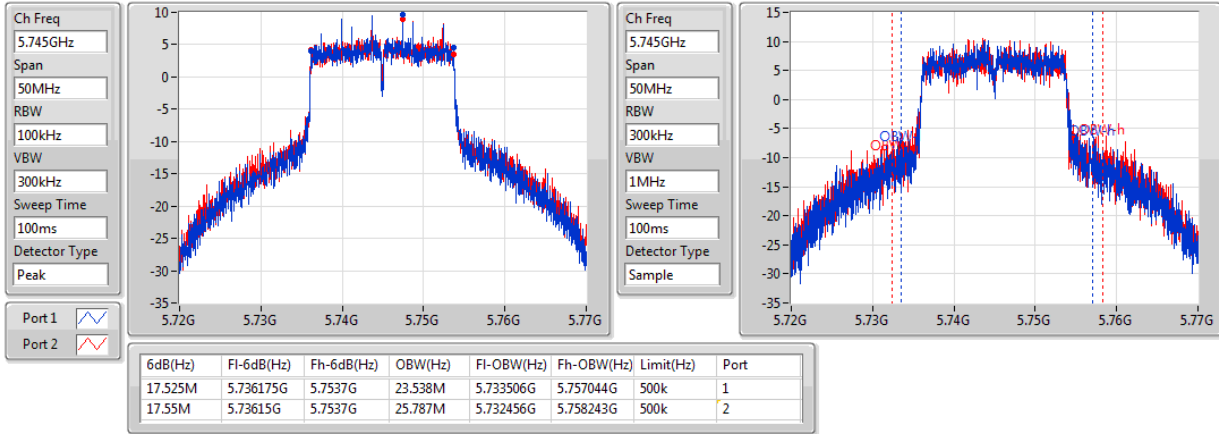
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

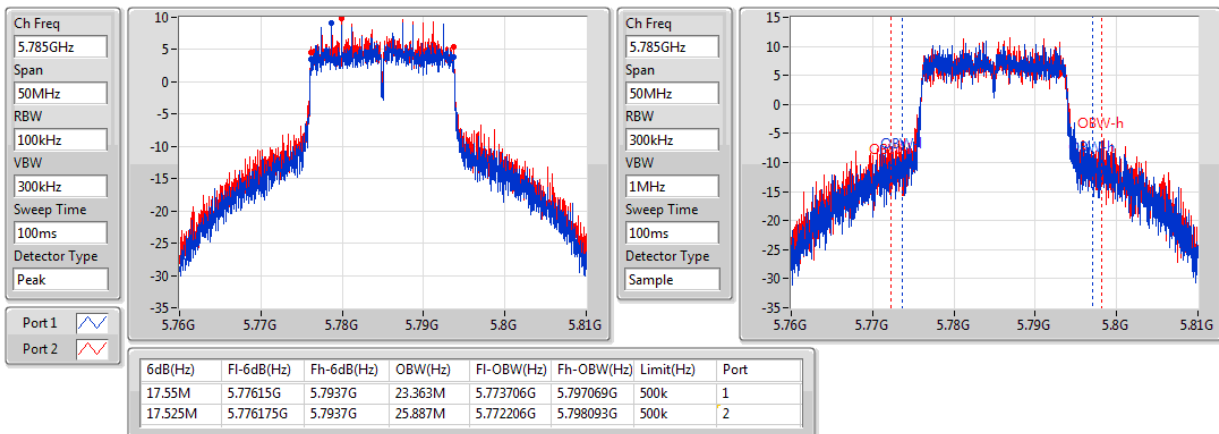
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

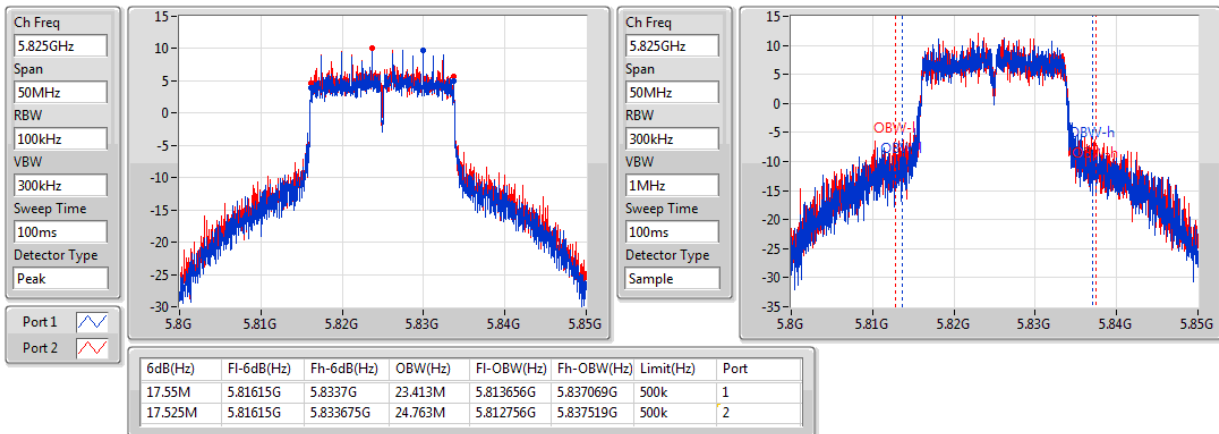
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802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

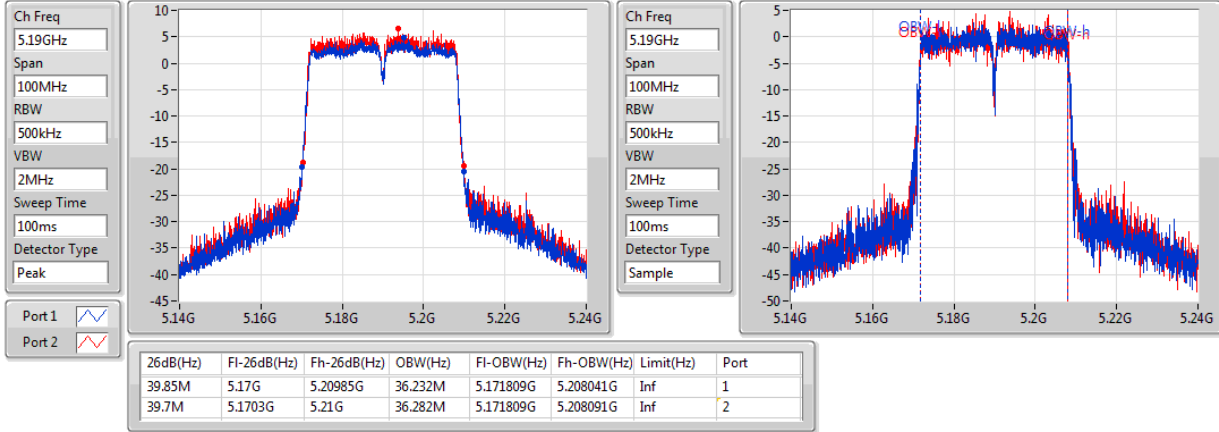
5825MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

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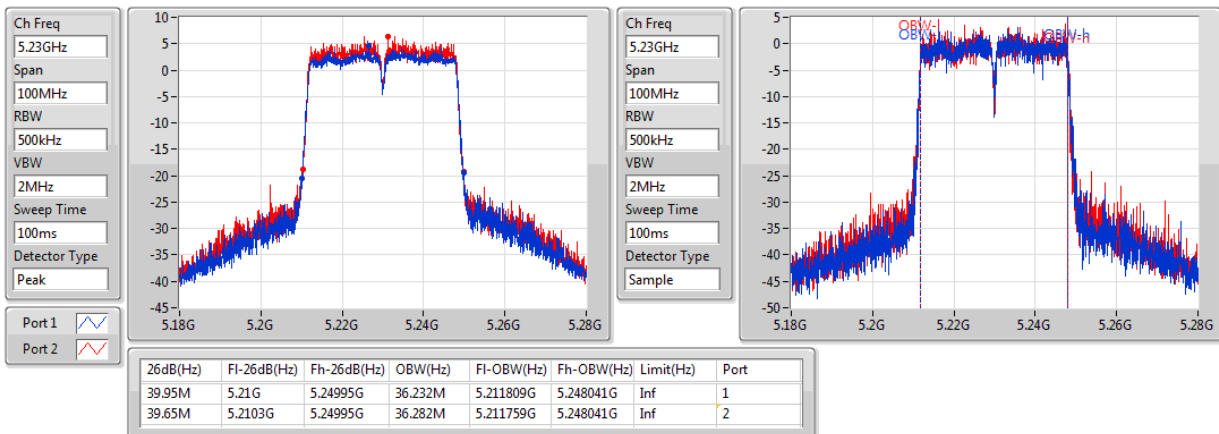
5190MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

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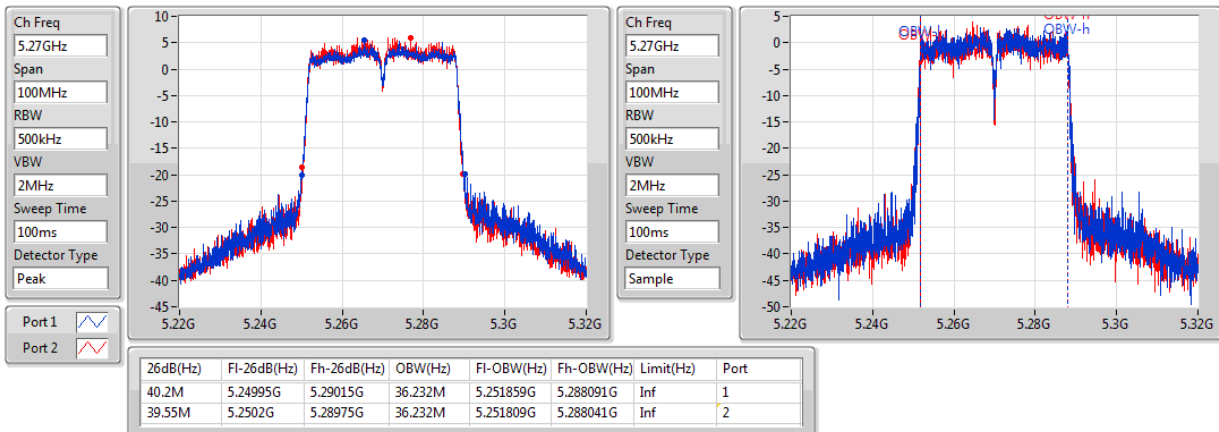
5230MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

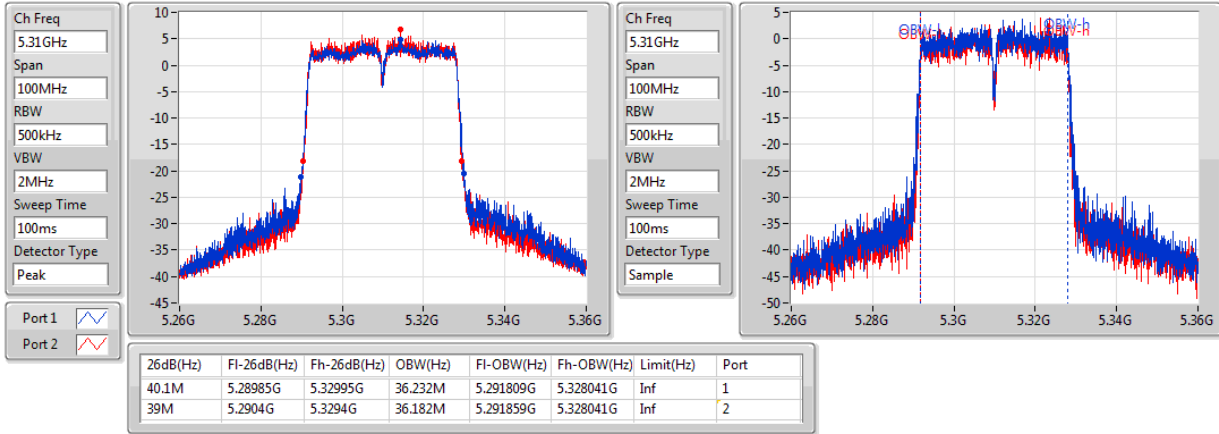
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802.11ac VHT40_Nss1,(MCS0)_2TX

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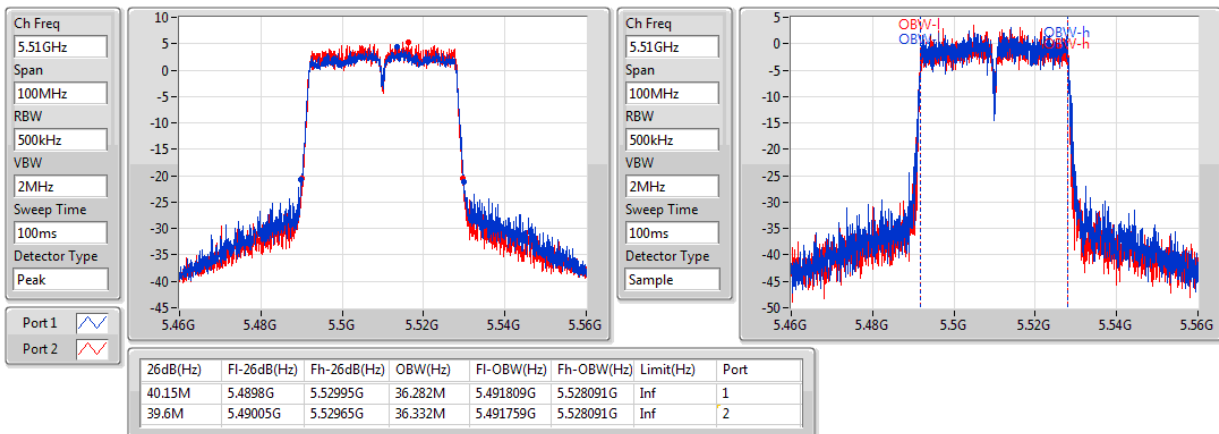
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802.11ac VHT40_Nss1,(MCS0)_2TX

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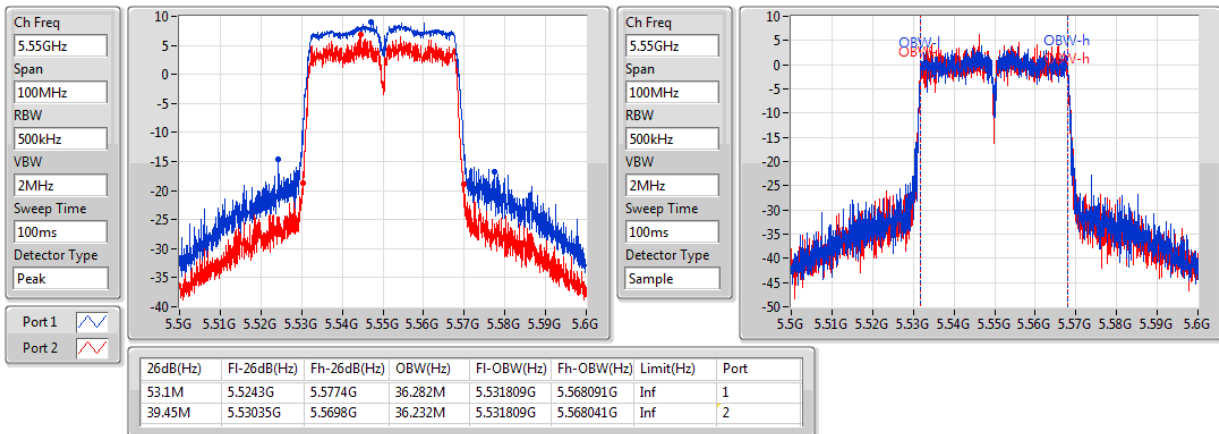
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802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

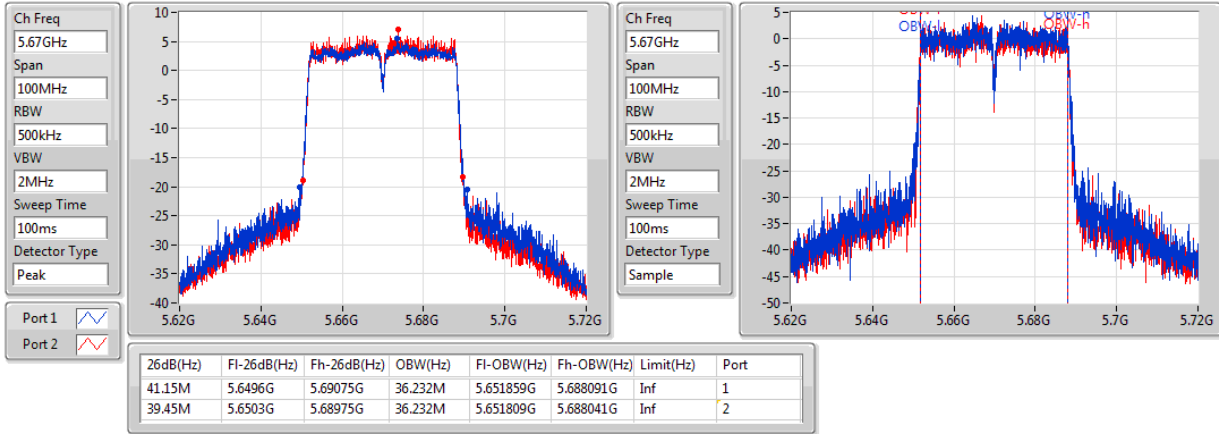
5550MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

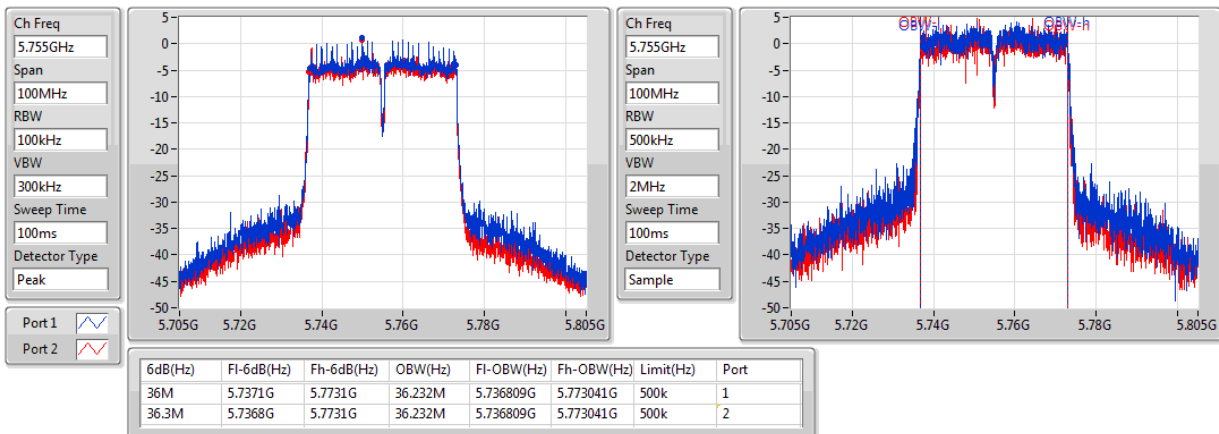
5670MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

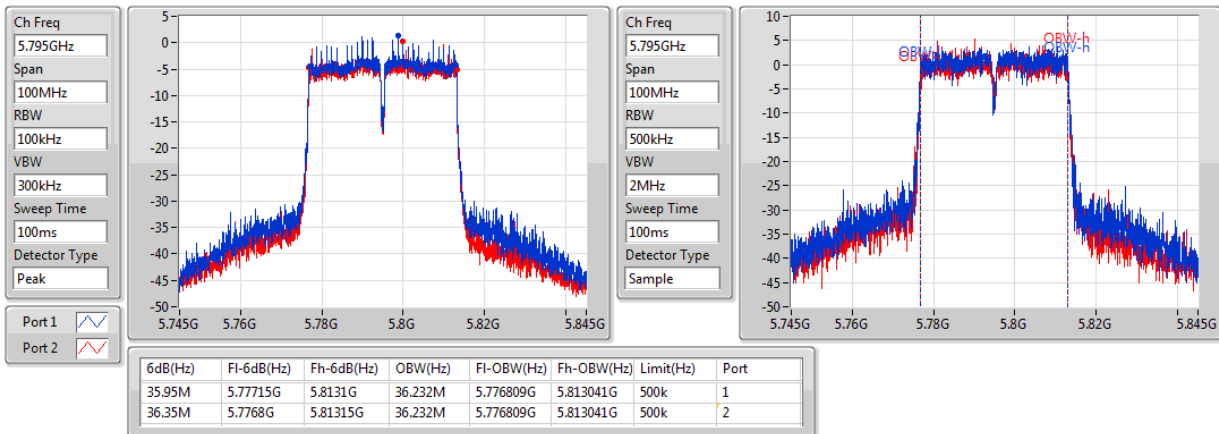
5755MHz



802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

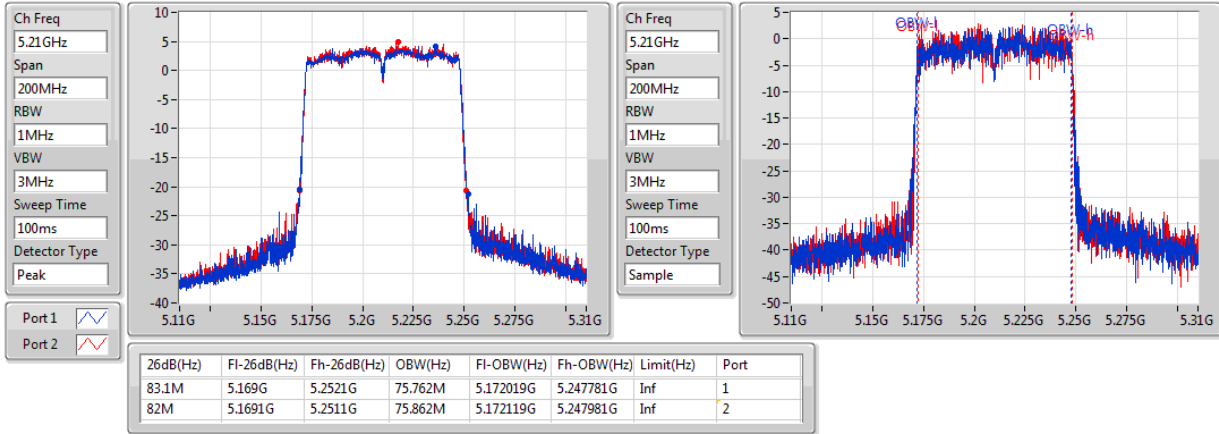
5795MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

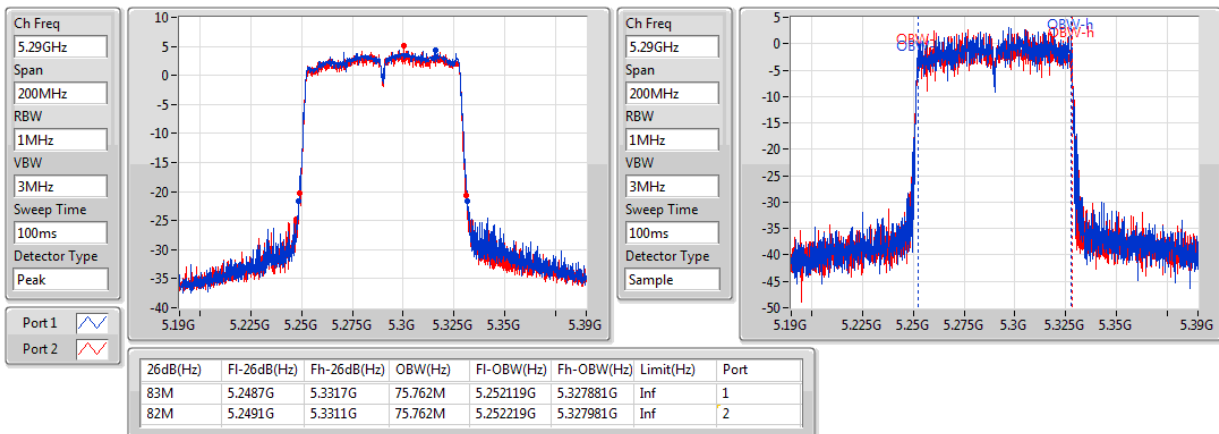
5210MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

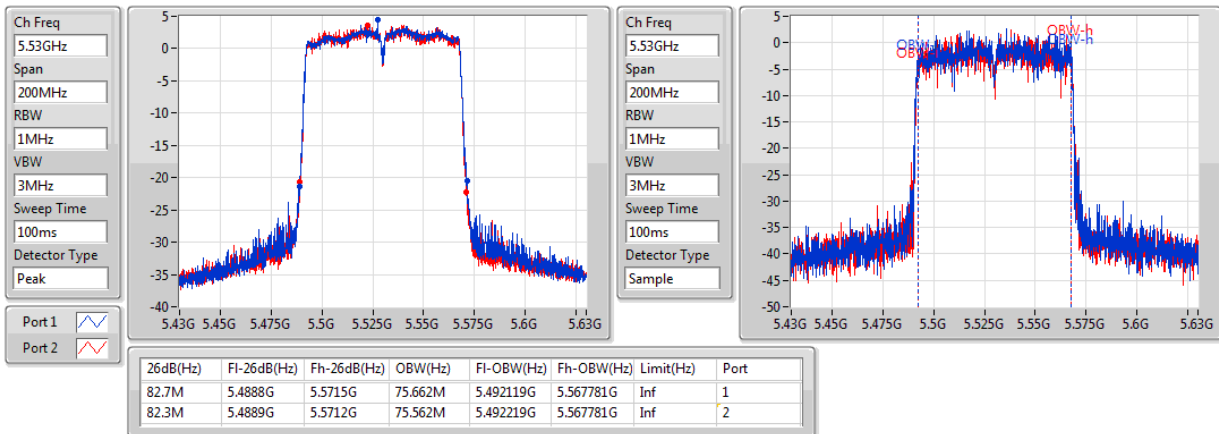
5290MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

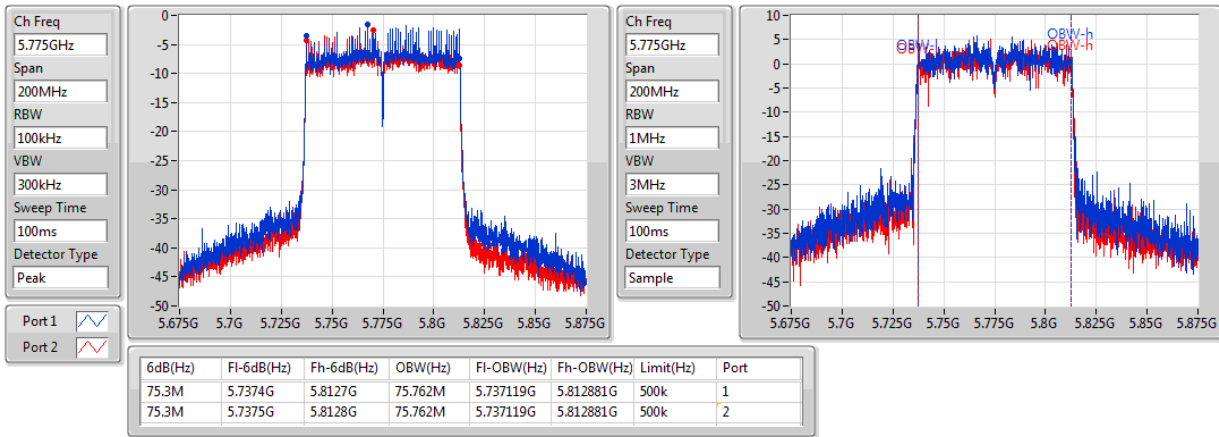
5530MHz



802.11ac VHT80_Nss1,(MCS0)_2TX

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.	

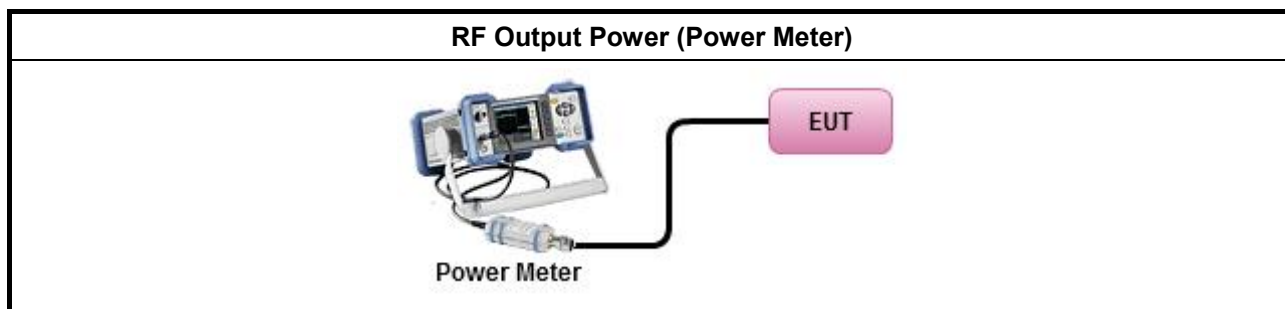
3.3.2 Measuring Instruments

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-
5.15-5.25GHz	14.36	0.02729	19.93	0.09840
5.25-5.35GHz	16.11	0.04083	21.68	0.14723
5.47-5.725GHz	21.65	0.14622	27.22	0.52723
5.725-5.85GHz	24.03	0.25293	29.60	0.91201
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	14.84	0.03048	20.41	0.10990
5.25-5.35GHz	15.92	0.03908	21.49	0.14093
5.47-5.725GHz	21.68	0.14723	27.25	0.53088
5.725-5.85GHz	22.90	0.19498	28.47	0.70307
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	16.96	0.04966	22.53	0.17906
5.25-5.35GHz	17.33	0.05408	22.90	0.19498
5.47-5.725GHz	17.30	0.05370	22.87	0.19364
5.725-5.85GHz	18.84	0.07656	24.41	0.27606
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	15.91	0.03899	21.48	0.14060
5.25-5.35GHz	15.50	0.03548	21.07	0.12794
5.47-5.725GHz	15.07	0.03214	20.64	0.11588
5.725-5.85GHz	18.89	0.07745	24.46	0.27925



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.57	11.68	10.81	14.28	30.00	19.85	36.00
5200MHz	Pass	5.57	11.79	10.86	14.36	30.00	19.93	36.00
5240MHz	Pass	5.57	11.51	10.99	14.27	30.00	19.84	36.00
5260MHz	Pass	5.57	13.21	12.92	16.08	23.98	21.65	29.98
5300MHz	Pass	5.57	13.22	12.92	16.08	23.98	21.65	29.98
5320MHz	Pass	5.57	13.24	12.96	16.11	23.98	21.68	29.98
5500MHz	Pass	5.57	17.62	17.42	20.53	23.98	26.10	29.98
5580MHz	Pass	5.57	18.56	18.72	21.65	23.98	27.22	29.98
5700MHz	Pass	5.57	16.73	16.69	19.72	23.98	25.29	29.98
5745MHz	Pass	5.57	16.72	16.53	19.64	30.00	25.21	36.00
5785MHz	Pass	5.57	20.82	21.22	24.03	30.00	29.60	36.00
5825MHz	Pass	5.57	16.95	17.03	20.00	30.00	25.57	36.00
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.57	11.69	11.85	14.78	30.00	20.35	36.00
5200MHz	Pass	5.57	11.77	11.89	14.84	30.00	20.41	36.00
5240MHz	Pass	5.57	11.42	11.83	14.64	30.00	20.21	36.00
5260MHz	Pass	5.57	12.99	12.78	15.90	23.98	21.47	29.98
5300MHz	Pass	5.57	12.98	12.67	15.84	23.98	21.41	29.98
5320MHz	Pass	5.57	13.00	12.81	15.92	23.98	21.49	29.98
5500MHz	Pass	5.57	16.77	16.49	19.64	23.98	25.21	29.98
5580MHz	Pass	5.57	18.63	18.71	21.68	23.98	27.25	29.98
5700MHz	Pass	5.57	15.98	16.09	19.05	23.98	24.62	29.98
5745MHz	Pass	5.57	19.61	19.61	22.62	30.00	28.19	36.00
5785MHz	Pass	5.57	19.53	19.67	22.61	30.00	28.18	36.00
5825MHz	Pass	5.57	19.80	19.98	22.90	30.00	28.47	36.00
802.11ac_VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.57	13.86	14.04	16.96	30.00	22.53	36.00
5230MHz	Pass	5.57	13.74	14.00	16.88	30.00	22.45	36.00
5270MHz	Pass	5.57	14.39	14.25	17.33	23.98	22.90	29.98
5310MHz	Pass	5.57	13.18	13.12	16.16	23.98	21.73	29.98
5510MHz	Pass	5.57	13.27	13.07	16.18	23.98	21.75	29.98
5550MHz	Pass	5.57	14.39	14.18	17.30	23.98	22.87	29.98
5670MHz	Pass	5.57	14.19	14.07	17.14	23.98	22.71	29.98
5755MHz	Pass	5.57	15.90	15.46	18.70	30.00	24.27	36.00
5795MHz	Pass	5.57	15.87	15.78	18.84	30.00	24.41	36.00
802.11ac_VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.57	12.69	13.10	15.91	30.00	21.48	36.00
5290MHz	Pass	5.57	12.46	12.51	15.50	23.98	21.07	29.98
5530MHz	Pass	5.57	12.04	12.07	15.07	23.98	20.64	29.98
5775MHz	Pass	5.57	15.97	15.79	18.89	30.00	24.46	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.	

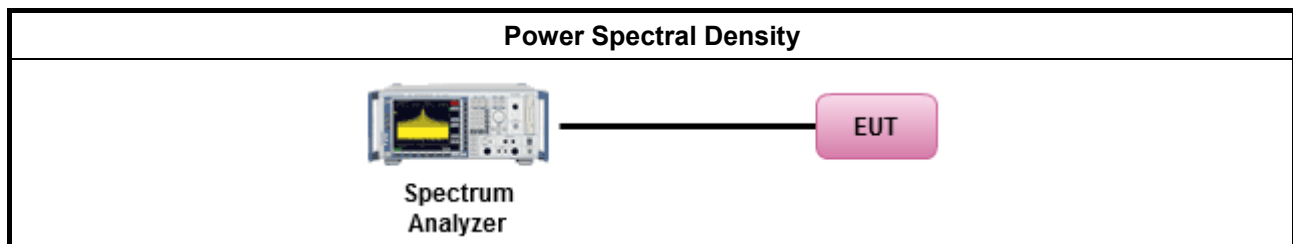
3.4.2 Measuring Instruments

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-
5.15-5.25GHz	1.64	9.97
5.25-5.35GHz	1.65	9.98
5.47-5.725GHz	8.54	16.87
5.725-5.85GHz	10.89	19.22
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	1.61	9.94
5.25-5.35GHz	1.96	10.29
5.47-5.725GHz	8.61	16.94
5.725-5.85GHz	10.98	19.31
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	0.90	9.23
5.25-5.35GHz	0.84	9.17
5.47-5.725GHz	1.62	9.95
5.725-5.85GHz	0.31	8.63
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	-3.11	5.21
5.25-5.35GHz	-3.06	5.27
5.47-5.725GHz	-3.70	4.63
5.725-5.85GHz	-2.43	5.90

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.33	-1.18	-1.05	1.60	14.67	9.93	Inf
5200MHz	Pass	8.33	-1.21	-1.14	1.64	14.67	9.97	Inf
5240MHz	Pass	8.33	-1.53	-1.29	1.42	14.67	9.75	Inf
5260MHz	Pass	8.33	-1.16	-1.62	1.46	8.67	9.79	Inf
5300MHz	Pass	8.33	-0.96	-1.46	1.65	8.67	9.98	Inf
5320MHz	Pass	8.33	-1.08	-1.59	1.47	8.67	9.80	Inf
5500MHz	Pass	8.33	5.59	5.47	8.24	8.67	16.57	Inf
5580MHz	Pass	8.33	5.81	5.32	8.54	8.67	16.87	Inf
5700MHz	Pass	8.33	4.72	4.63	7.40	8.67	15.73	Inf
5745MHz	Pass	8.33	2.36	2.00	4.97	27.67	13.30	Inf
5785MHz	Pass	8.33	8.15	7.94	10.89	27.67	19.22	Inf
5825MHz	Pass	8.33	2.52	2.04	5.25	27.67	13.58	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	8.33	-1.20	-1.45	1.54	14.67	9.87	Inf
5200MHz	Pass	8.33	-0.77	-1.39	1.61	14.67	9.94	Inf
5240MHz	Pass	8.33	-1.02	-1.47	1.56	14.67	9.89	Inf
5260MHz	Pass	8.33	-0.86	-1.70	1.61	8.67	9.94	Inf
5300MHz	Pass	8.33	-1.26	-1.54	1.39	8.67	9.72	Inf
5320MHz	Pass	8.33	-0.55	-1.44	1.96	8.67	10.29	Inf
5500MHz	Pass	8.33	4.67	4.59	7.24	8.67	15.57	Inf
5580MHz	Pass	8.33	5.91	5.44	8.61	8.67	16.94	Inf
5700MHz	Pass	8.33	4.05	3.87	6.64	8.67	14.97	Inf
5745MHz	Pass	8.33	7.91	7.93	10.72	27.67	19.05	Inf
5785MHz	Pass	8.33	7.77	8.03	10.66	27.67	18.99	Inf
5825MHz	Pass	8.33	8.16	8.04	10.98	27.67	19.31	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	8.33	-2.18	-2.03	0.90	14.67	9.23	Inf
5230MHz	Pass	8.33	-2.29	-2.11	0.76	14.67	9.09	Inf
5270MHz	Pass	8.33	-2.01	-2.31	0.84	8.67	9.17	Inf
5310MHz	Pass	8.33	-1.96	-2.58	0.74	8.67	9.07	Inf
5510MHz	Pass	8.33	-2.52	-2.71	0.35	8.67	8.68	Inf
5550MHz	Pass	8.33	-1.16	-1.54	1.62	8.67	9.95	Inf
5670MHz	Pass	8.33	-1.50	-1.91	1.25	8.67	9.58	Inf
5755MHz	Pass	8.33	-2.31	-3.11	0.31	27.67	8.63	Inf
5795MHz	Pass	8.33	-2.40	-3.09	0.24	27.67	8.57	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	8.33	-6.04	-6.19	-3.11	14.67	5.21	Inf
5290MHz	Pass	8.33	-5.82	-6.28	-3.06	8.67	5.27	Inf
5530MHz	Pass	8.33	-6.52	-6.84	-3.70	8.67	4.63	Inf
5775MHz	Pass	8.33	-5.02	-5.88	-2.43	27.67	5.90	Inf

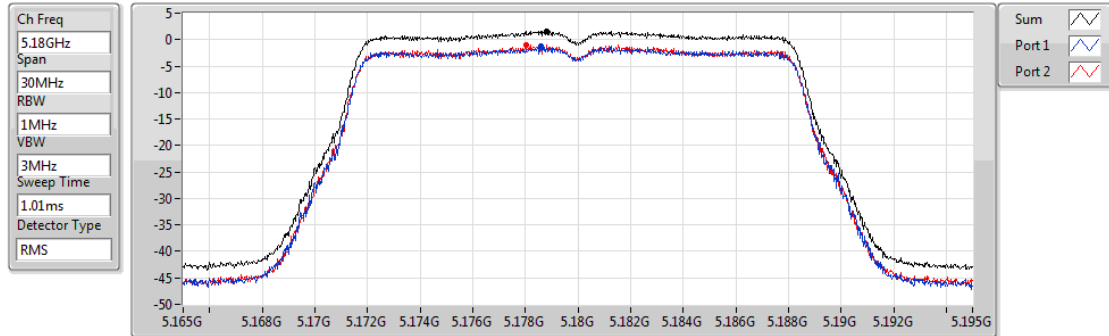
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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)_2TX

PSD

5180MHz

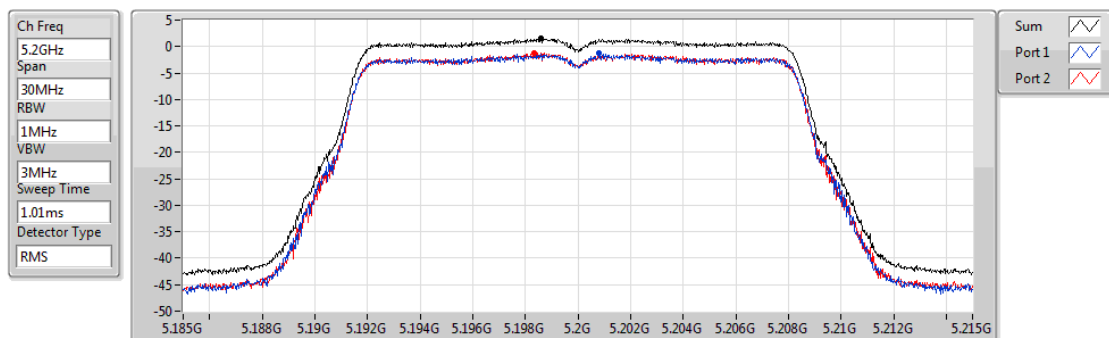


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.60	1.60	-1.18	-1.05

802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

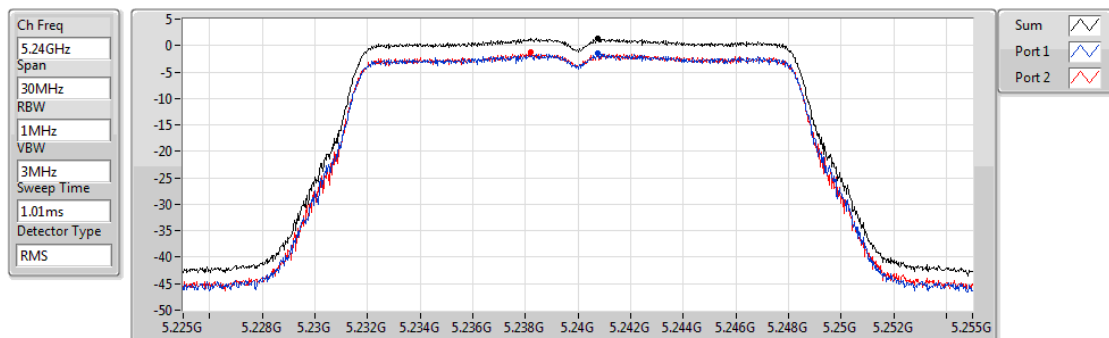


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.64	1.64	-1.21	-1.14

802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

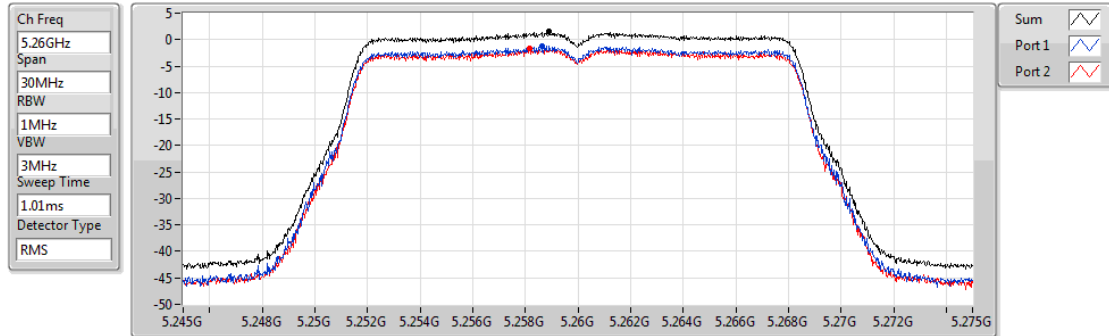


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.42	1.42	-1.53	-1.29

802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

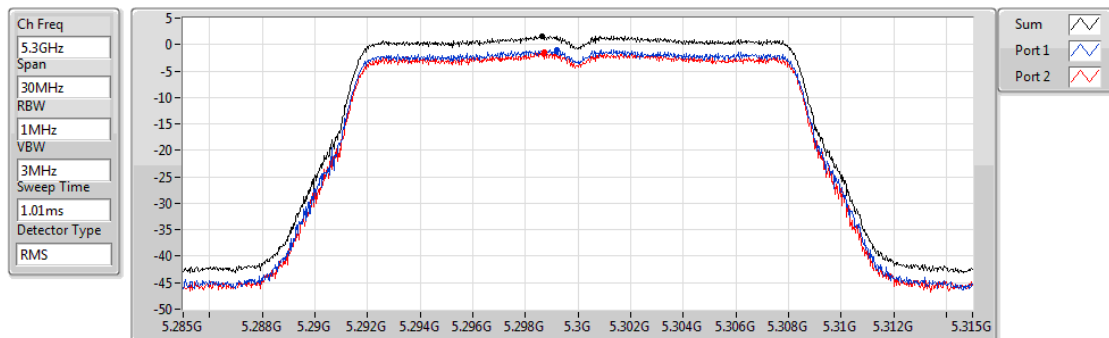


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.46	1.46	-1.16	-1.62

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

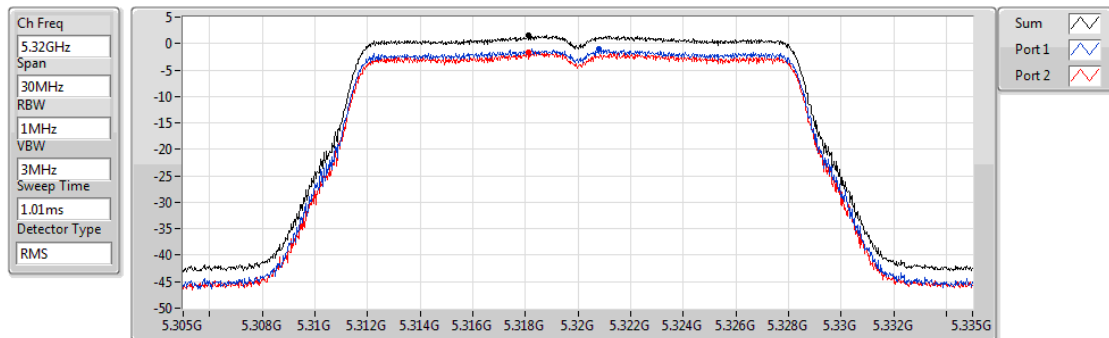


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.65	1.65	-0.96	-1.46

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

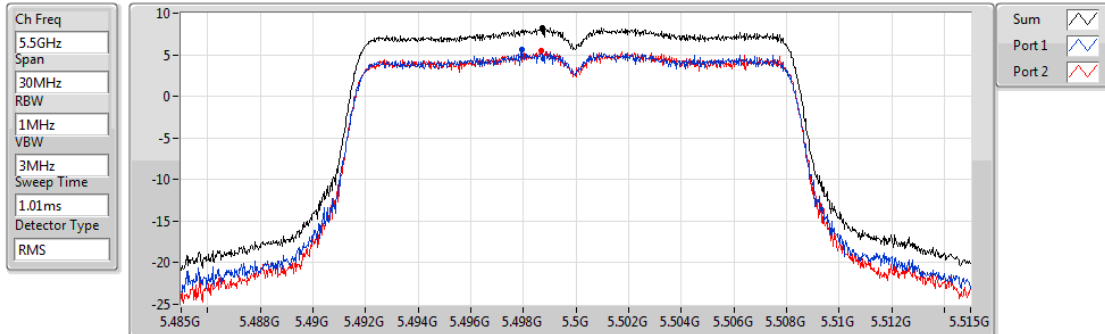


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.47	1.47	-1.08	-1.59

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

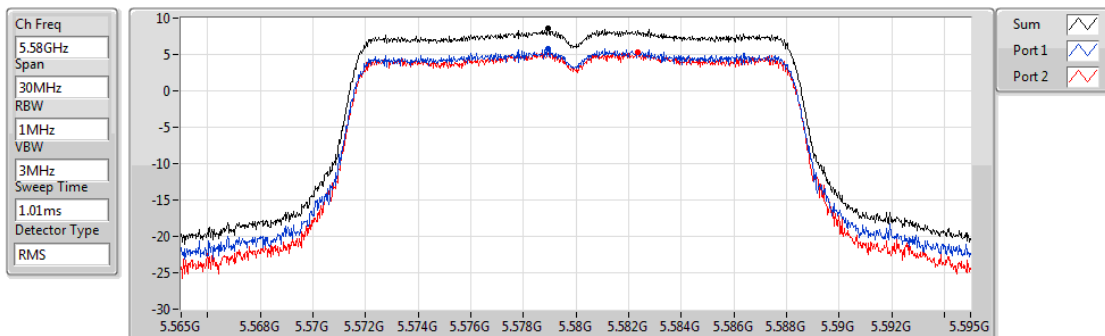


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.24	8.24	5.59	5.47

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

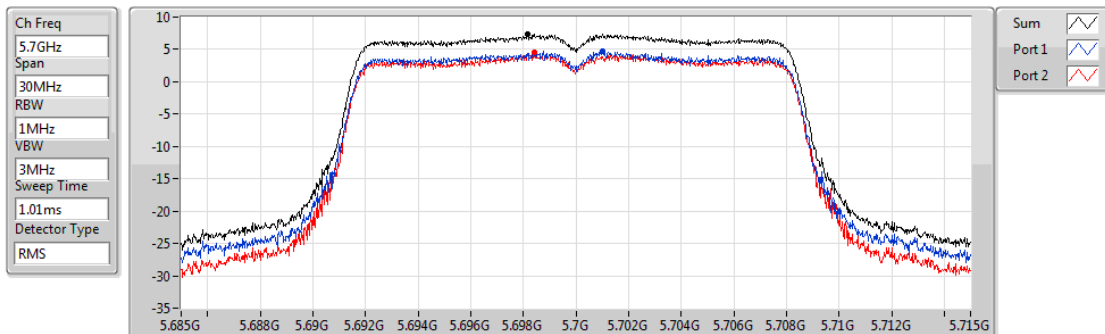


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.54	8.54	5.81	5.32

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

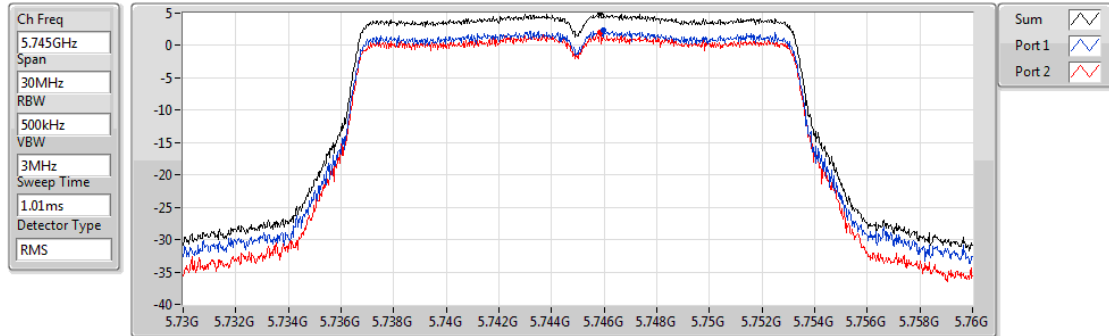


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.40	7.40	4.72	4.63

802.11a_Nss1,(6Mbps)_2TX

PSD

5745MHz

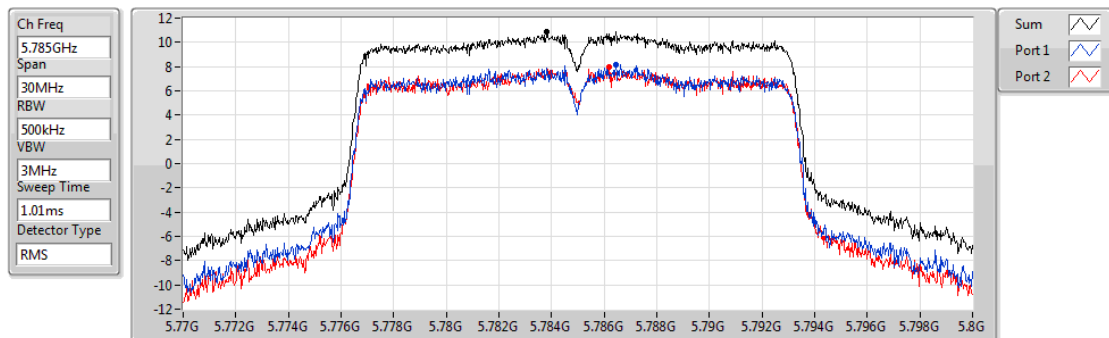


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.97	4.97	2.36	2.00

802.11a_Nss1,(6Mbps)_2TX

PSD

5785MHz

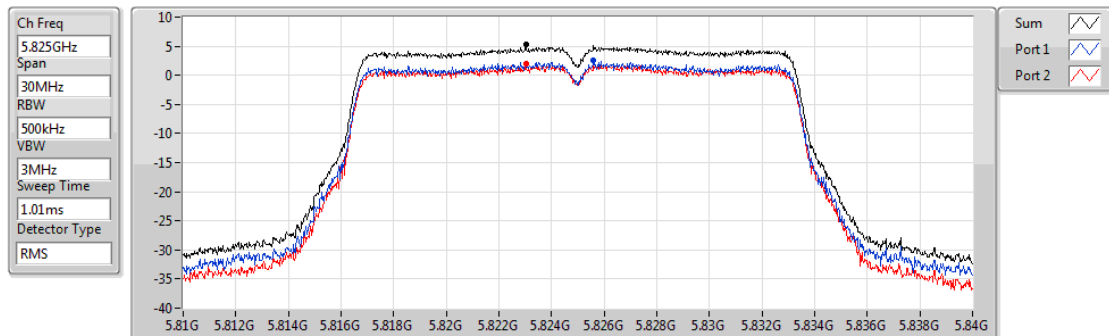


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.89	10.89	8.15	7.94

802.11a_Nss1,(6Mbps)_2TX

PSD

5825MHz

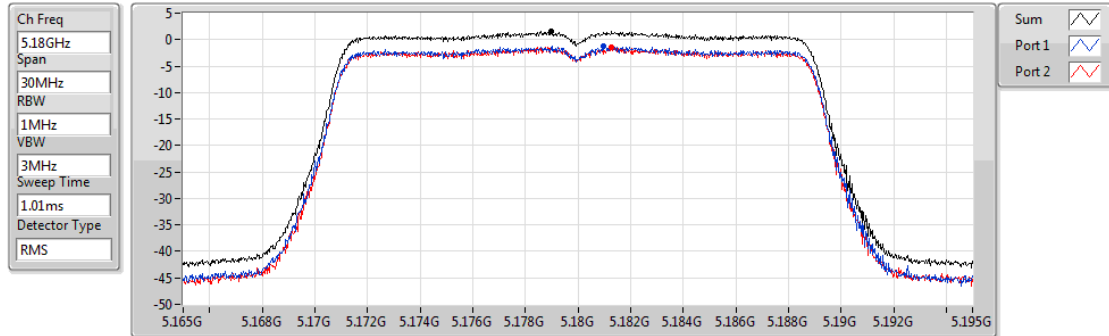


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.25	5.25	2.52	2.04

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

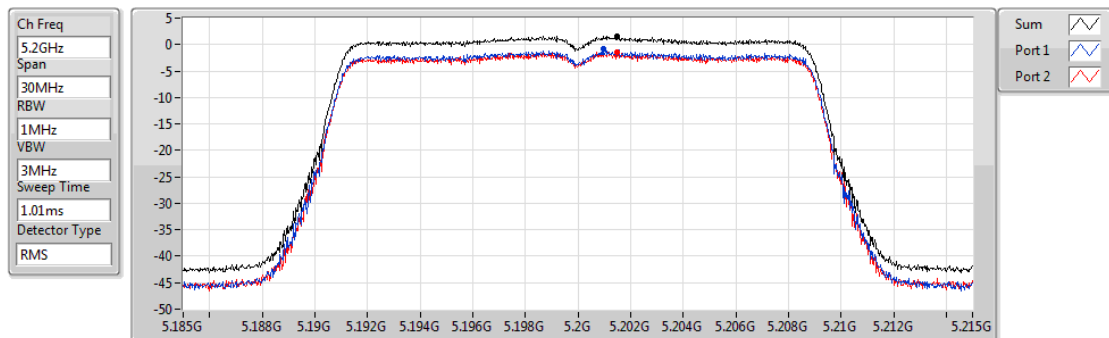


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.54	1.54	-1.20	-1.45

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

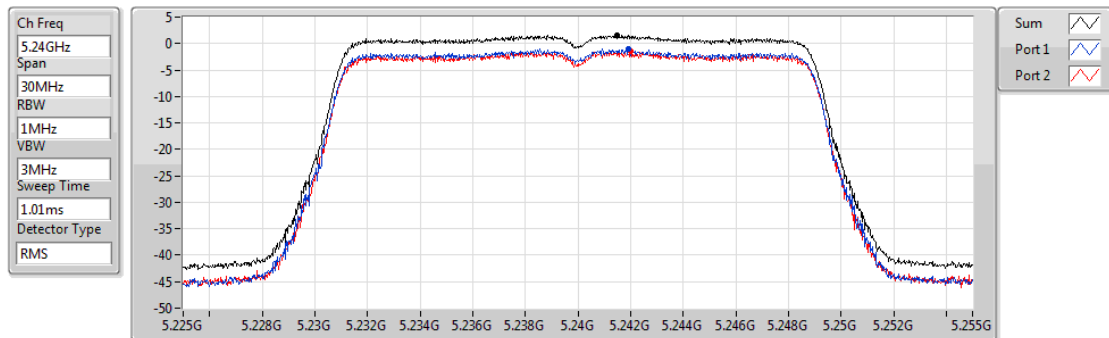


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.61	1.61	-0.77	-1.39

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

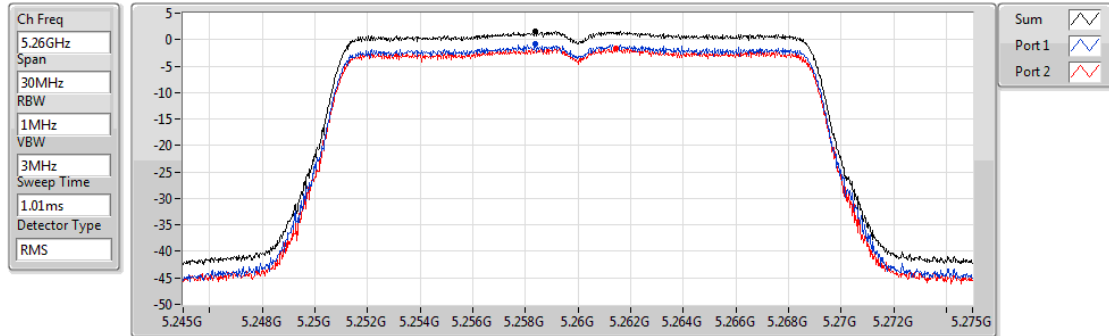


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.56	1.56	-1.02	-1.47

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

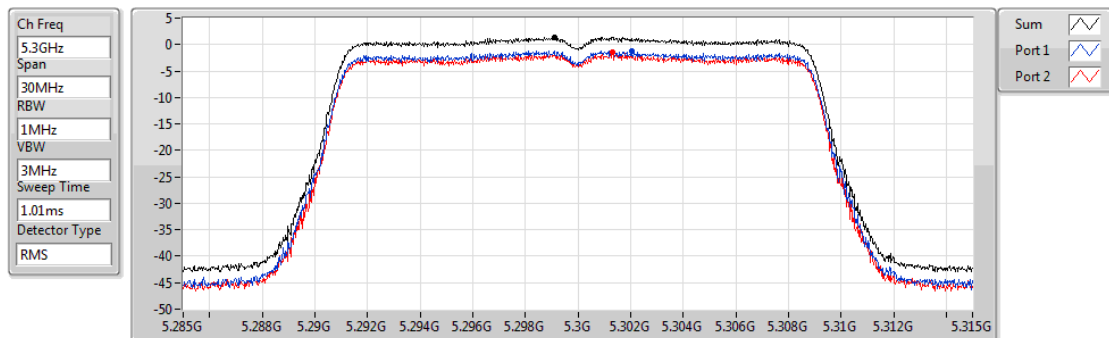


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.61	1.61	-0.86	-1.70

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

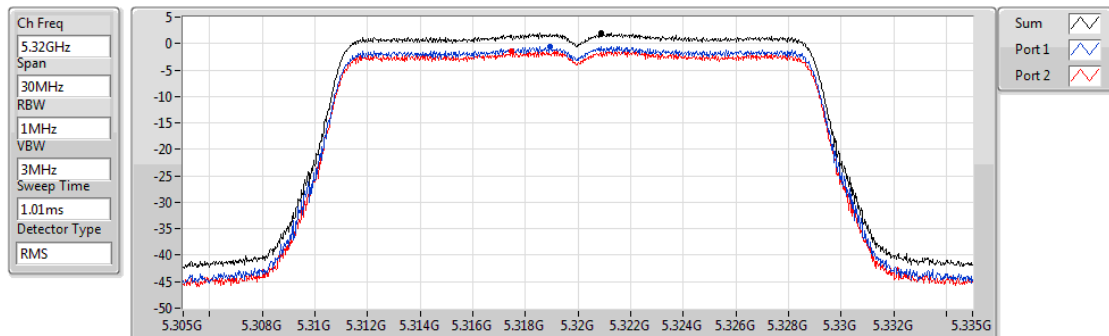


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.39	1.39	-1.26	-1.54

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

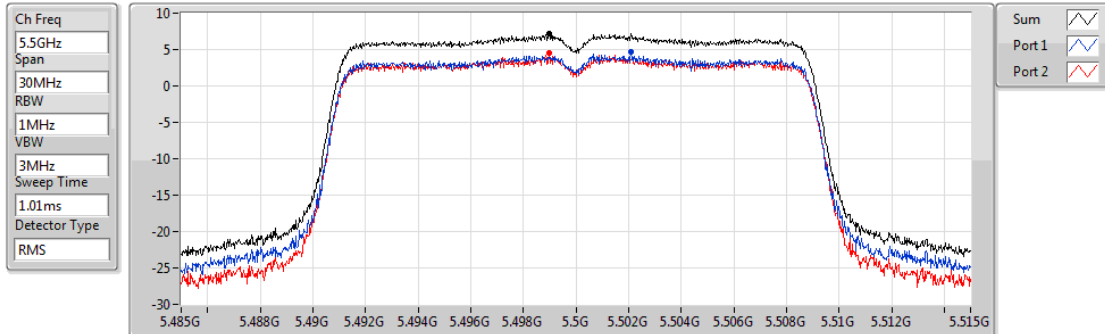


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.96	1.96	-0.55	-1.44

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

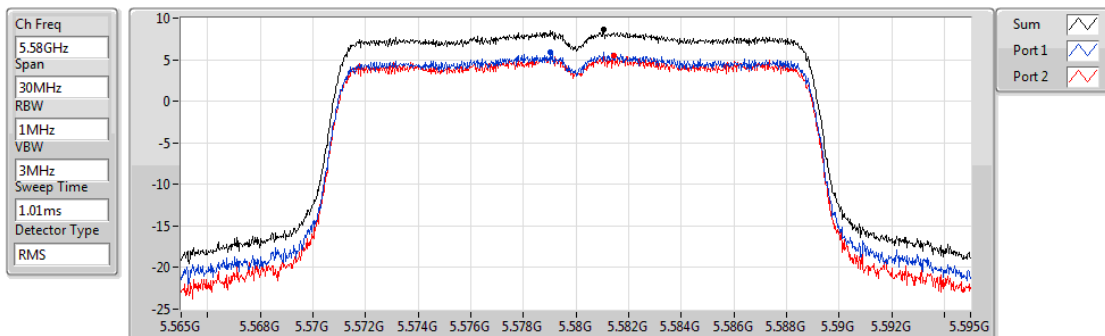


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.24	7.24	4.67	4.59

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

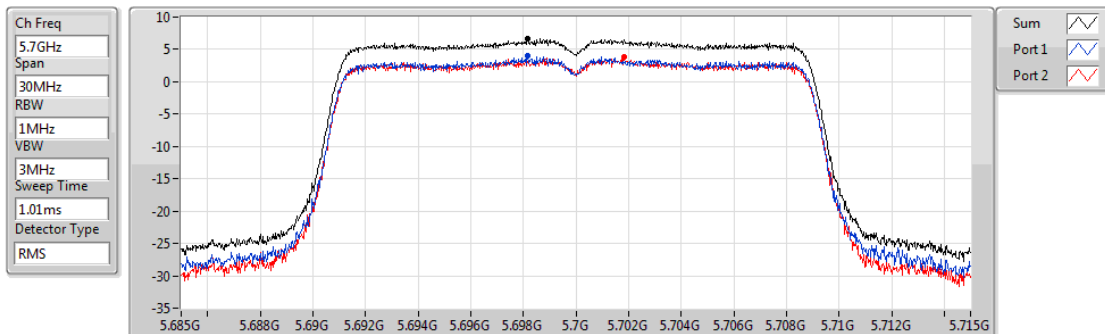


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.61	8.61	5.91	5.44

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

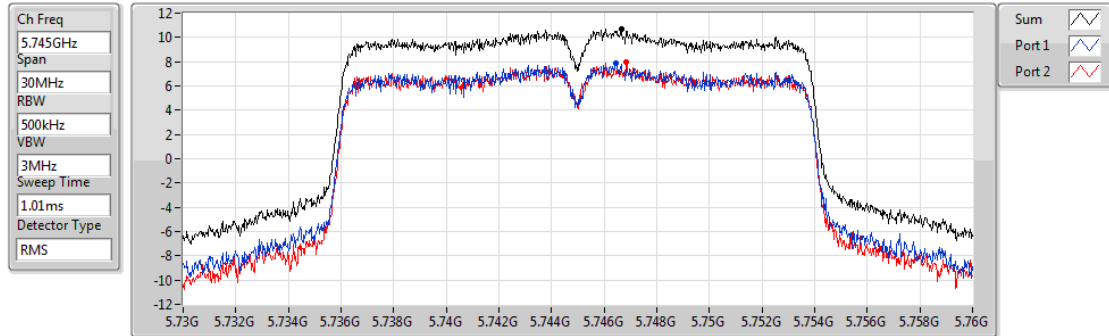


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.64	6.64	4.05	3.87

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5745MHz

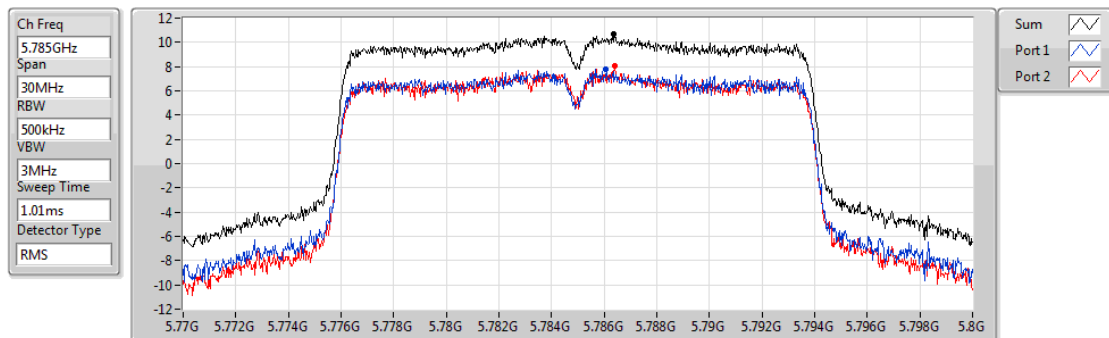


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.72	10.72	7.91	7.93

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5785MHz

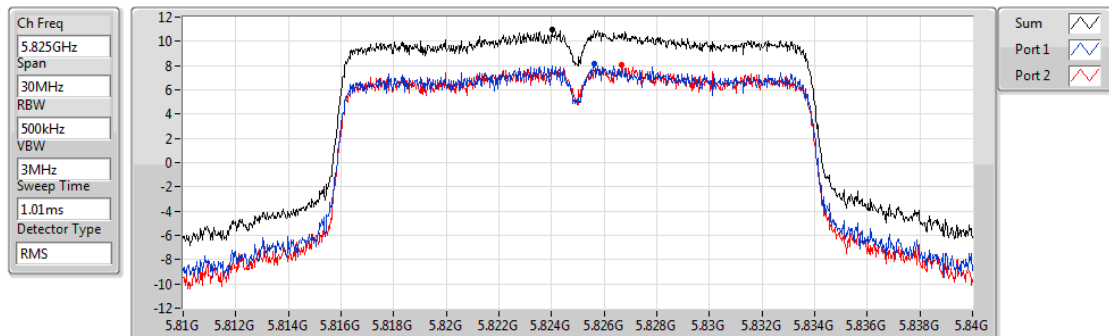


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.66	10.66	7.77	8.03

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5825MHz

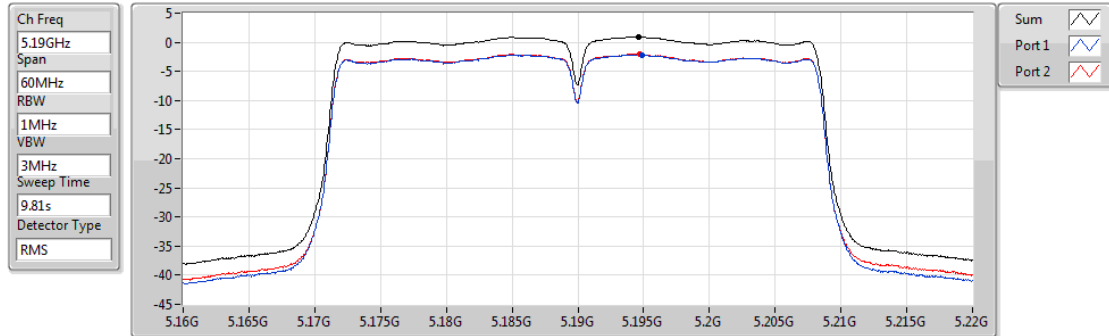


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.98	10.98	8.16	8.04

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

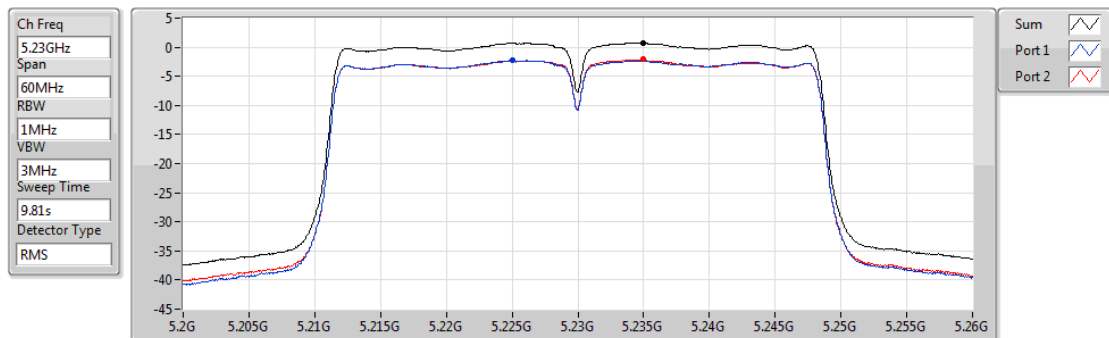


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.90	0.90	-2.18	-2.03

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

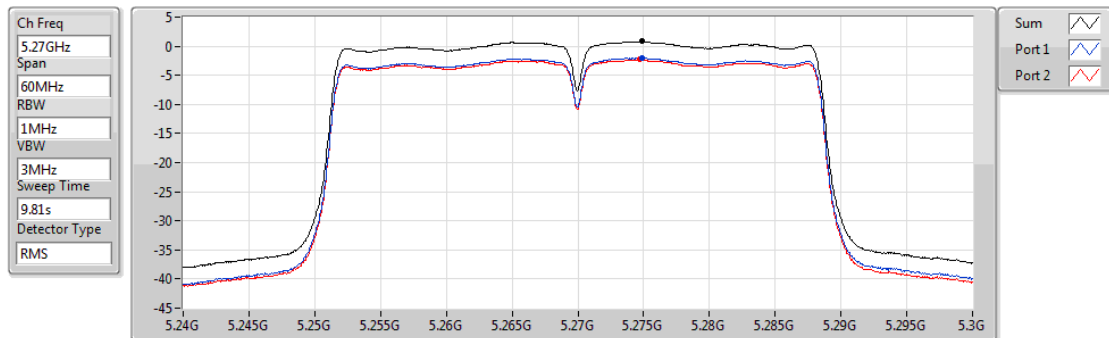


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.76	0.76	-2.29	-2.11

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

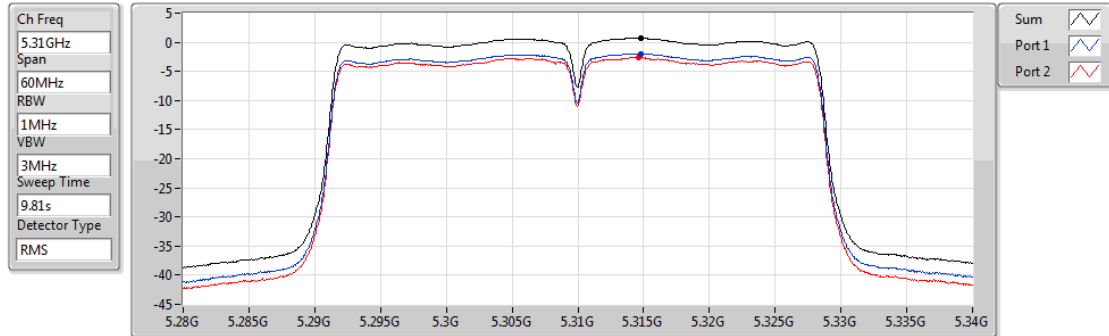


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.84	0.84	-2.01	-2.31

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5310MHz

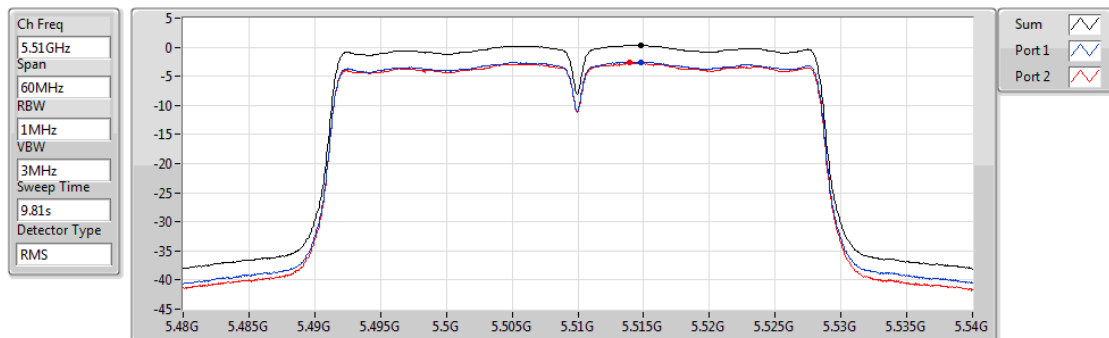


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.74	0.74	-1.96	-2.58

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

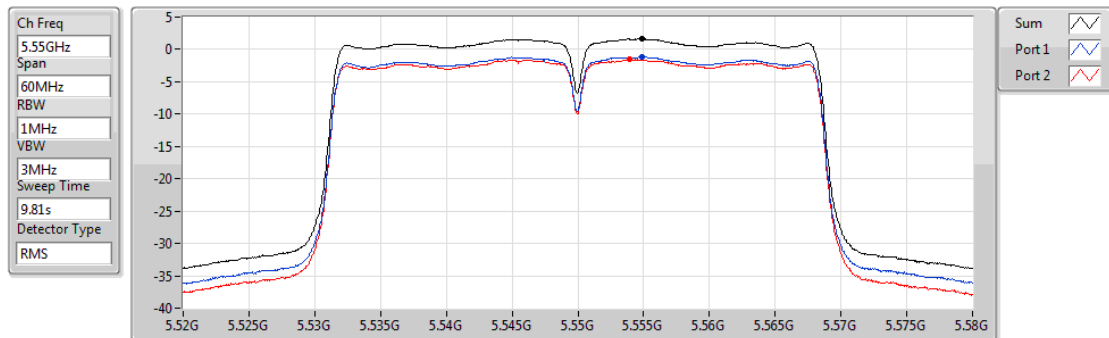


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.35	0.35	-2.52	-2.71

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

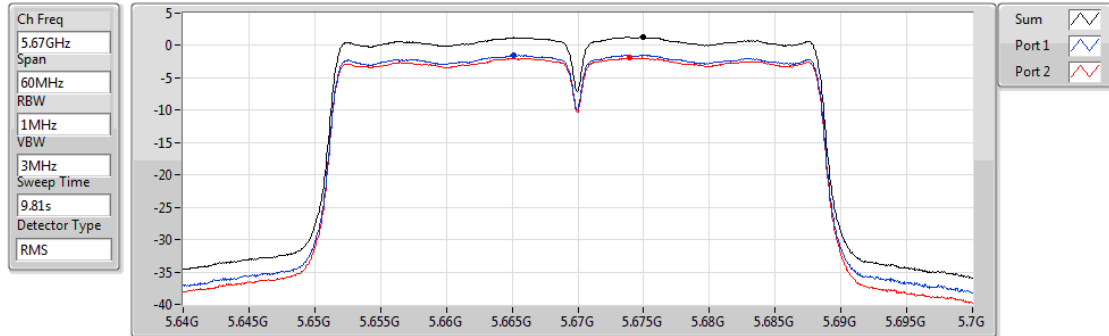


Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.62	1.62	-1.16	-1.54

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

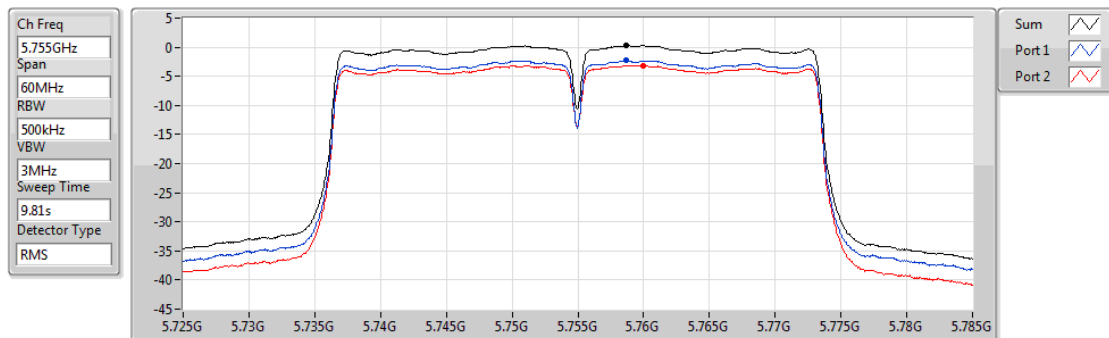


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.25	1.25	-1.50	-1.91

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5755MHz

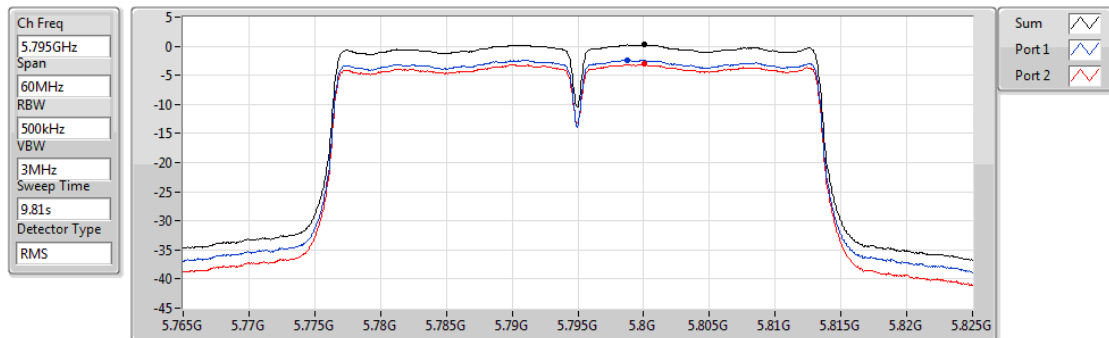


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.31	0.31	-2.31	-3.11

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5795MHz

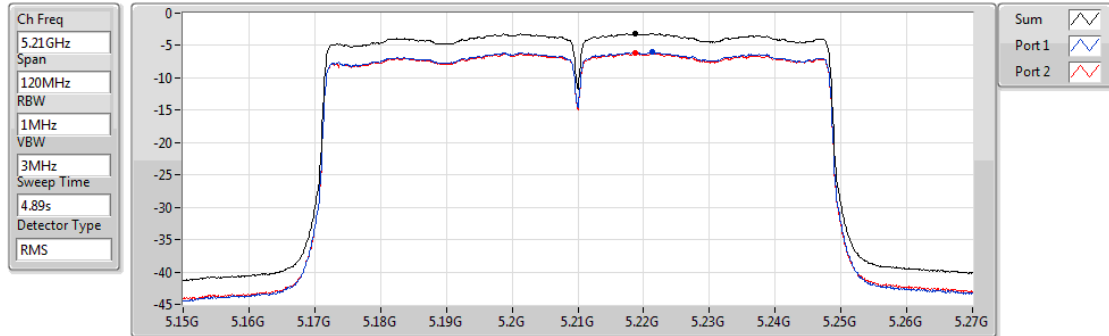


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.24	0.24	-2.40	-3.09

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

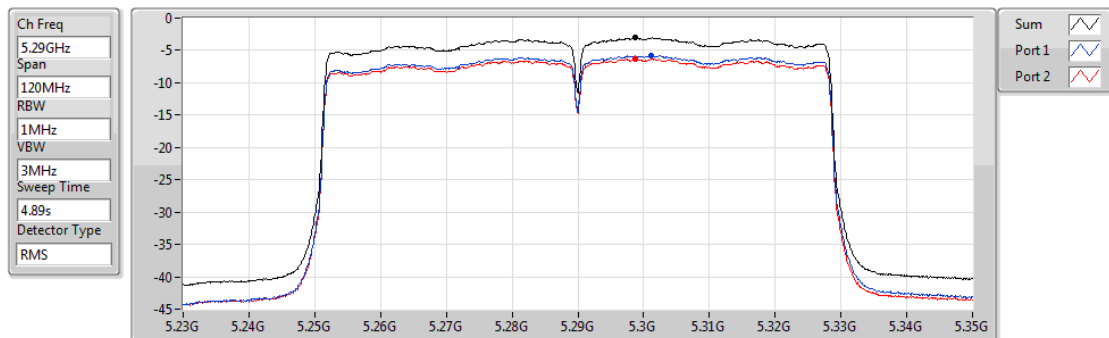


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.11	-3.11	-6.04	-6.19

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

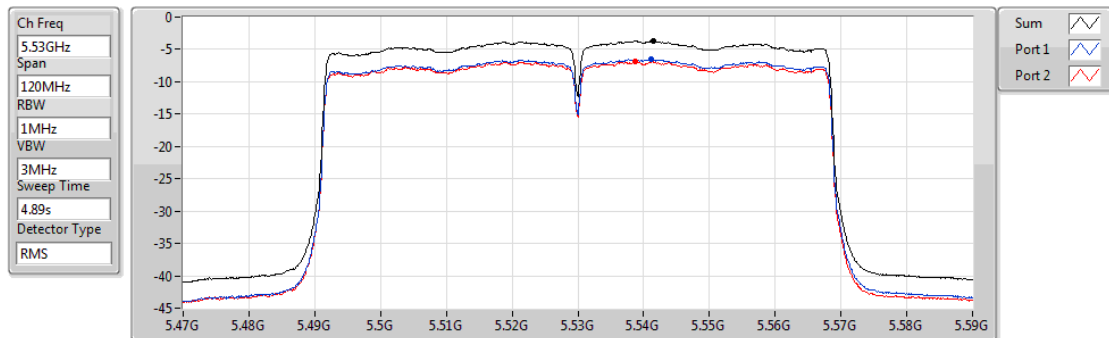


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.06	-3.06	-5.82	-6.28

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

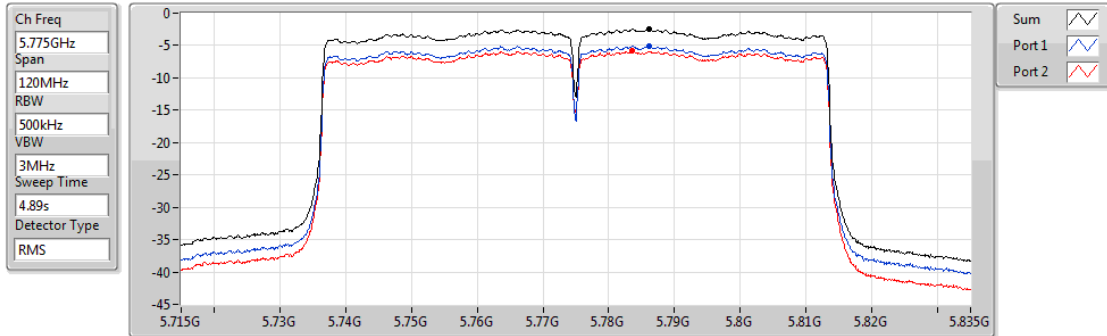


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.70	-3.70	-6.52	-6.84

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.43	-2.43	-5.02	-5.88

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).

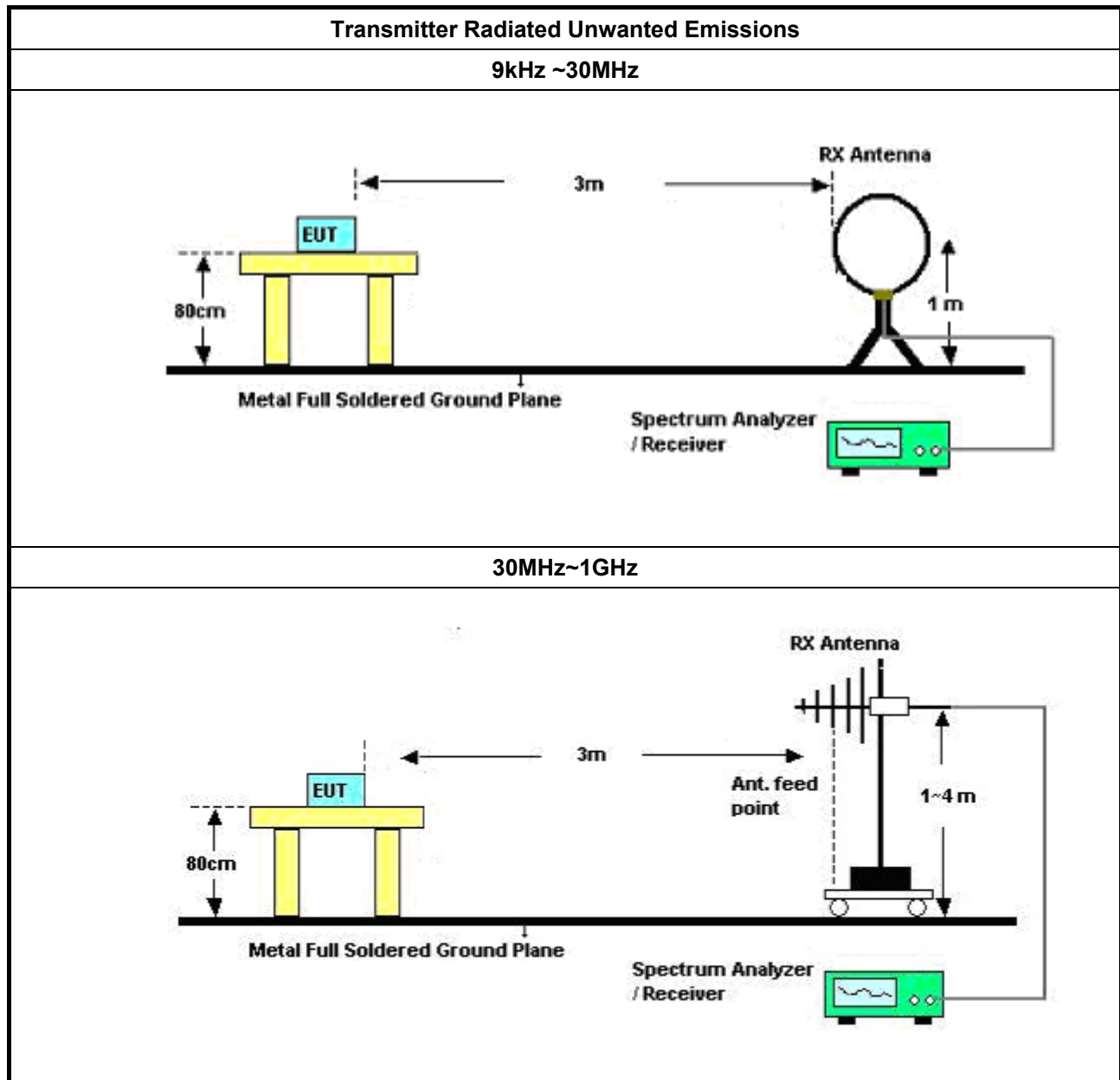
3.5.2 Measuring Instruments

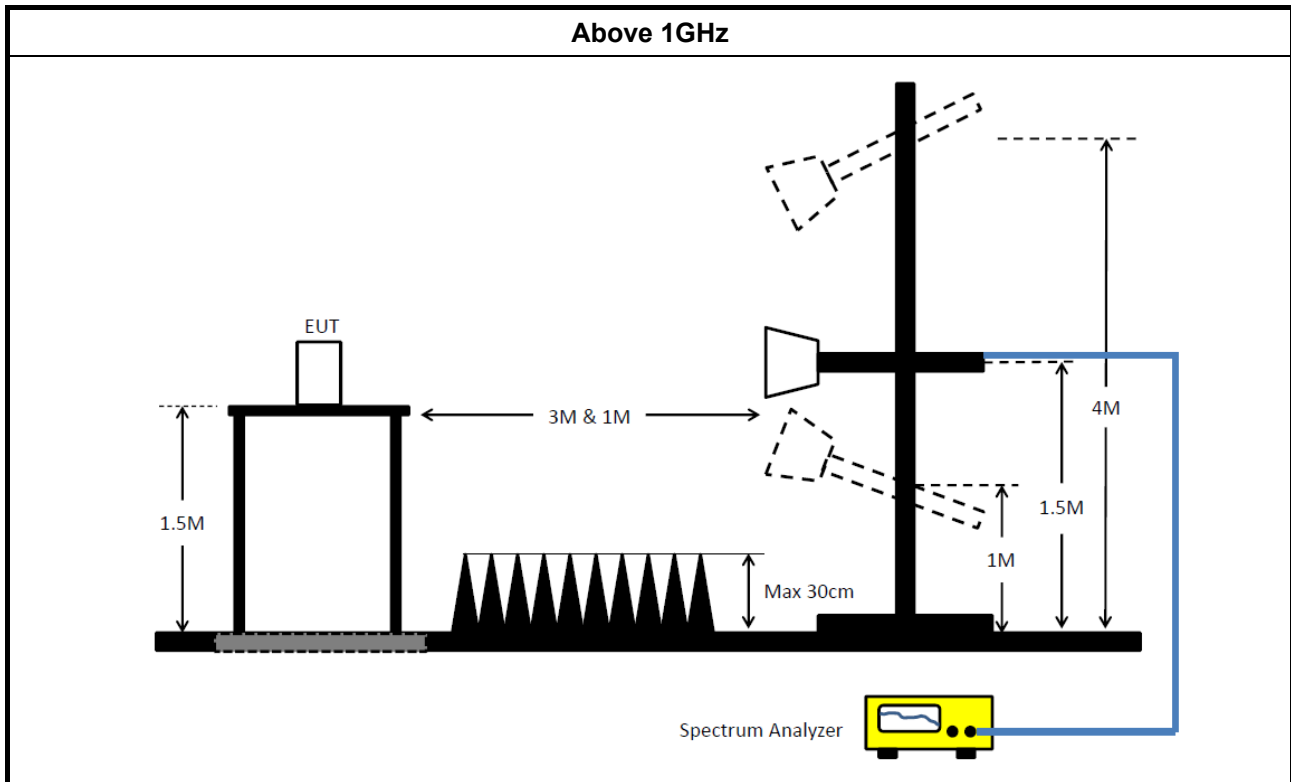
Refer a test equipment and calibration data table in this test report.

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.
☒	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 below 1 GHz****Summary**

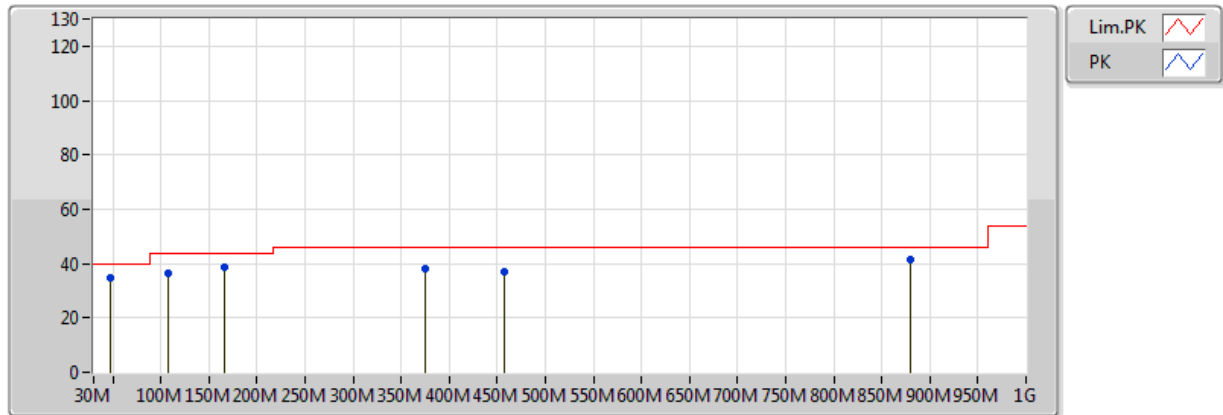
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	PK	165.8M	38.92	43.50	-4.58	-9.73	3	V	360	1.00	-

**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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	38.47M	34.38	40.00	-5.62	-13.94	3	H	0	1.00	-
5775MHz	Pass	PK	99.51M	30.88	43.50	-12.62	-13.48	3	H	0	1.00	-
5775MHz	Pass	PK	107.58M	33.15	43.50	-10.35	-13.42	3	H	0	1.00	-
5775MHz	Pass	PK	375.32M	33.66	46.00	-12.34	-11.42	3	H	0	1.00	-
5775MHz	Pass	PK	625.58M	31.48	46.00	-14.52	-9.54	3	H	0	1.00	-
5775MHz	Pass	PK	875.84M	31.04	46.00	-14.96	-7.66	3	H	0	1.00	-
5775MHz	Pass	PK	46.77M	34.84	40.00	-5.16	-11.43	3	V	360	1.00	-
5775MHz	Pass	PK	107.4M	36.20	43.50	-7.30	-8.58	3	V	360	1.00	-
5775MHz	Pass	PK	165.8M	38.92	43.50	-4.58	-9.73	3	V	360	1.00	-
5775MHz	Pass	PK	375.32M	38.18	46.00	-7.82	-3.93	3	V	360	1.00	-
5775MHz	Pass	PK	457.27M	37.25	46.00	-8.75	-2.22	3	V	360	1.00	-
5775MHz	Pass	PK	879.45M	41.24	46.00	-4.76	2.54	3	V	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_Adapter

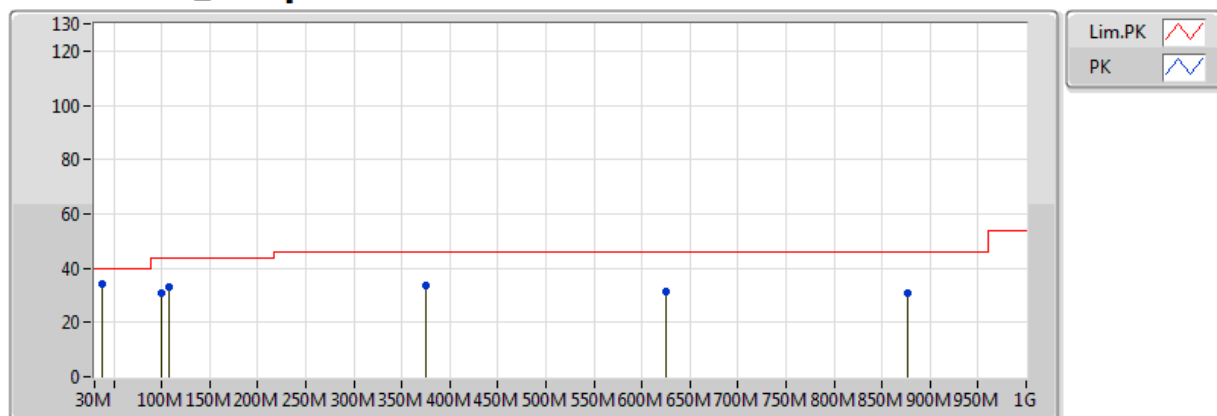


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	46.77M	34.84	40.00	-5.16	-11.43	3	V	360	1.00	-
PK	107.4M	36.20	43.50	-7.30	-8.58	3	V	360	1.00	-
PK	165.8M	38.92	43.50	-4.58	-9.73	3	V	360	1.00	-
PK	375.32M	38.18	46.00	-7.82	-3.93	3	V	360	1.00	-
PK	457.27M	37.25	46.00	-8.75	-2.22	3	V	360	1.00	-
PK	879.45M	41.24	46.00	-4.76	2.54	3	V	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_Adapter



EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	38.47M	34.38	40.00	-5.62	-13.94	3	H	0	1.00	-
PK	99.51M	30.88	43.50	-12.62	-13.48	3	H	0	1.00	-
PK	107.58M	33.15	43.50	-10.35	-13.42	3	H	0	1.00	-
PK	375.32M	33.66	46.00	-12.34	-11.42	3	H	0	1.00	-
PK	625.58M	31.48	46.00	-14.52	-9.54	3	H	0	1.00	-
PK	875.84M	31.04	46.00	-14.96	-7.66	3	H	0	1.00	-

**3.5.7 Test Result of Transmitter Unwanted Emissions above 1 GHz****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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.398G	53.84	54.00	-0.16	7.70	3	V	131	1.85	-
5.25-5.35GHz	Pass	AV	5.458G	53.92	54.00	-0.08	7.83	3	V	130	1.50	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.47-5.725GHz	Pass	AV	5.458G	53.87	54.00	-0.13	7.83	3	V	230	1.50	-
5.725-5.85GHz	Pass	PK	5.6502G	68.15	68.35	-0.20	8.16	3	V	211	2.14	-

**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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1494G	53.29	54.00	-0.71	7.15	3	V	131	2.02	-
5180MHz	Pass	AV	5.1784G	104.32	Inf	-Inf	7.21	3	V	131	2.02	-
5180MHz	Pass	PK	5.1496G	73.01	74.00	-0.99	7.15	3	V	131	2.02	-
5180MHz	Pass	PK	5.1788G	114.49	Inf	-Inf	7.21	3	V	131	2.02	-
5180MHz	Pass	AV	10.36G	45.10	54.00	-8.90	17.01	3	H	359	1.01	-
5180MHz	Pass	PK	10.36G	58.37	74.00	-15.63	17.01	3	H	359	1.01	-
5180MHz	Pass	AV	10.36G	46.25	54.00	-7.75	17.01	3	V	0	1.01	-
5180MHz	Pass	PK	10.36G	59.50	74.00	-14.50	17.01	3	V	0	1.01	-
5200MHz	Pass	AV	5.039G	49.01	54.00	-4.99	6.91	3	V	132	2.04	-
5200MHz	Pass	AV	5.199G	101.79	Inf	-Inf	7.26	3	V	132	2.04	-
5200MHz	Pass	AV	5.359G	53.50	54.00	-0.50	7.61	3	V	132	2.04	-
5200MHz	Pass	PK	5.039G	62.12	74.00	-11.88	6.91	3	V	132	2.04	-
5200MHz	Pass	PK	5.199G	112.23	Inf	-Inf	7.26	3	V	132	2.04	-
5200MHz	Pass	PK	5.354G	64.79	74.00	-9.21	7.60	3	V	132	2.04	-
5200MHz	Pass	AV	10.4G	46.42	54.00	-7.58	17.08	3	H	359	1.00	-
5200MHz	Pass	PK	10.4G	56.90	74.00	-17.10	17.08	3	H	359	1.00	-
5200MHz	Pass	AV	10.4G	47.50	54.00	-6.50	17.08	3	V	359	1.03	-
5200MHz	Pass	PK	10.4G	58.71	74.00	-15.29	17.08	3	V	359	1.03	-
5240MHz	Pass	AV	5.079G	49.30	54.00	-4.70	6.99	3	V	131	1.85	-
5240MHz	Pass	AV	5.238G	102.70	Inf	-Inf	7.34	3	V	131	1.85	-
5240MHz	Pass	AV	5.398G	53.84	54.00	-0.16	7.70	3	V	131	1.85	-
5240MHz	Pass	PK	5.078G	61.92	74.00	-12.08	6.99	3	V	131	1.85	-
5240MHz	Pass	PK	5.239G	113.04	Inf	-Inf	7.35	3	V	131	1.85	-
5240MHz	Pass	PK	5.393G	65.42	74.00	-8.58	7.63	3	V	131	1.85	-
5240MHz	Pass	PK	5.483G	61.22	68.20	-6.98	7.88	3	V	131	1.85	-
5240MHz	Pass	AV	10.48G	45.15	54.00	-8.85	17.20	3	H	357	1.00	-
5240MHz	Pass	PK	10.48G	55.78	74.00	-18.22	17.20	3	H	357	1.00	-
5240MHz	Pass	AV	10.48G	45.15	54.00	-8.85	17.20	3	V	159	2.28	-
5240MHz	Pass	PK	10.48G	56.21	74.00	-17.79	17.20	3	V	159	2.28	-
5260MHz	Pass	AV	5.098G	50.41	54.00	-3.59	7.04	3	V	211	1.85	-
5260MHz	Pass	AV	5.258G	103.83	Inf	-Inf	7.39	3	V	211	1.85	-
5260MHz	Pass	AV	5.418G	53.81	54.00	-0.19	7.74	3	V	211	1.85	-
5260MHz	Pass	PK	5.103G	61.89	74.00	-12.11	7.05	3	V	211	1.85	-
5260MHz	Pass	PK	5.258G	114.19	Inf	-Inf	7.39	3	V	211	1.85	-
5260MHz	Pass	PK	5.419G	64.84	74.00	-9.16	7.84	3	V	211	1.85	-
5260MHz	Pass	PK	5.482G	60.29	68.20	-7.91	7.88	3	V	211	1.85	-
5260MHz	Pass	AV	10.52G	46.62	54.00	-7.38	17.26	3	H	358	1.00	-
5260MHz	Pass	PK	10.52G	58.34	74.00	-15.66	17.26	3	H	358	1.00	-
5260MHz	Pass	AV	10.52G	47.00	54.00	-7.00	17.26	3	V	28	1.50	-
5260MHz	Pass	PK	10.52G	57.67	74.00	-16.33	17.26	3	V	28	1.50	-
5300MHz	Pass	AV	5.139G	50.67	54.00	-3.33	7.13	3	V	130	1.50	-
5300MHz	Pass	AV	5.298G	104.62	Inf	-Inf	7.48	3	V	130	1.50	-
5300MHz	Pass	AV	5.458G	53.92	54.00	-0.08	7.83	3	V	130	1.50	-
5300MHz	Pass	PK	5.133G	61.86	74.00	-12.14	7.11	3	V	130	1.50	-
5300MHz	Pass	PK	5.298G	114.65	Inf	-Inf	7.48	3	V	130	1.50	-



FCC Test Report

Report No. : FR750812AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5300MHz	Pass	PK	5.458G	64.35	74.00	-9.65	7.83	3	V	130	1.50	-
5300MHz	Pass	PK	5.462G	65.43	68.20	-2.77	7.84	3	V	130	1.50	-
5300MHz	Pass	AV	10.6G	44.19	54.00	-9.81	17.38	3	H	19	1.00	-
5300MHz	Pass	PK	10.6G	57.58	74.00	-16.42	17.38	3	H	19	1.00	-
5300MHz	Pass	AV	10.6G	44.50	54.00	-9.50	17.38	3	V	159	1.08	-
5300MHz	Pass	PK	10.6G	59.22	74.00	-14.78	17.38	3	V	159	1.08	-
5320MHz	Pass	AV	5.138G	50.47	54.00	-3.53	7.12	3	V	211	1.75	-
5320MHz	Pass	AV	5.298G	103.93	Inf	-Inf	7.48	3	V	211	1.75	-
5320MHz	Pass	AV	5.459G	52.94	54.00	-1.06	7.83	3	V	211	1.75	-
5320MHz	Pass	PK	5.142G	62.23	74.00	-11.77	7.13	3	V	211	1.75	-
5320MHz	Pass	PK	5.298G	114.23	Inf	-Inf	7.48	3	V	211	1.75	-
5320MHz	Pass	PK	5.453G	64.64	74.00	-9.36	7.82	3	V	211	1.75	-
5320MHz	Pass	PK	5.468G	64.52	68.20	-3.68	7.85	3	V	211	1.75	-
5320MHz	Pass	AV	10.64G	44.35	54.00	-9.65	17.45	3	H	19	1.01	-
5320MHz	Pass	PK	10.64G	57.70	74.00	-16.30	17.45	3	H	19	1.01	-
5320MHz	Pass	AV	10.64G	45.18	54.00	-8.82	17.45	3	V	359	1.03	-
5320MHz	Pass	PK	10.64G	59.12	74.00	-14.88	17.45	3	V	359	1.03	-
5500MHz	Pass	AV	5.46G	49.50	54.00	-4.50	7.83	3	V	273	1.43	-
5500MHz	Pass	AV	5.502G	103.85	Inf	-Inf	7.92	3	V	273	1.43	-
5500MHz	Pass	PK	5.336G	61.67	68.20	-6.53	7.56	3	V	273	1.43	-
5500MHz	Pass	PK	5.456G	61.49	74.00	-12.51	7.82	3	V	273	1.43	-
5500MHz	Pass	PK	5.468G	67.37	68.20	-0.83	7.85	3	V	273	1.43	-
5500MHz	Pass	PK	5.502G	111.49	Inf	-Inf	7.92	3	V	273	1.43	-
5500MHz	Pass	PK	5.735G	61.19	68.20	-7.01	8.30	3	V	273	1.43	-
5500MHz	Pass	AV	11G	46.94	54.00	-7.06	18.00	3	H	12	1.01	-
5500MHz	Pass	PK	11G	61.04	74.00	-12.96	18.00	3	H	12	1.01	-
5500MHz	Pass	AV	11G	48.50	54.00	-5.50	18.00	3	V	320	1.09	-
5500MHz	Pass	PK	11G	60.54	74.00	-13.46	18.00	3	V	320	1.09	-
5580MHz	Pass	AV	5.422G	53.50	54.00	-0.50	7.75	3	V	271	1.50	-
5580MHz	Pass	AV	5.582G	104.20	Inf	-Inf	8.05	3	V	271	1.50	-
5580MHz	Pass	PK	5.336G	60.43	68.20	-7.77	7.56	3	V	271	1.50	-
5580MHz	Pass	PK	5.422G	63.45	74.00	-10.55	7.85	3	V	271	1.50	-
5580MHz	Pass	PK	5.467G	60.52	68.20	-7.68	7.85	3	V	271	1.50	-
5580MHz	Pass	PK	5.582G	112.20	Inf	-Inf	8.05	3	V	271	1.50	-
5580MHz	Pass	PK	5.738G	64.17	68.20	-4.03	8.30	3	V	271	1.50	-
5580MHz	Pass	AV	11.16G	48.78	54.00	-5.22	17.89	3	H	0	2.38	-
5580MHz	Pass	PK	11.16G	62.21	74.00	-11.79	17.89	3	H	0	2.38	-
5580MHz	Pass	AV	11.16G	49.78	54.00	-4.22	17.89	3	V	186	1.28	-
5580MHz	Pass	PK	11.16G	64.02	74.00	-9.98	17.89	3	V	186	1.28	-
5700MHz	Pass	AV	5.454G	48.46	54.00	-5.54	7.82	3	V	194	2.27	-
5700MHz	Pass	AV	5.699G	101.31	Inf	-Inf	8.24	3	V	194	2.27	-
5700MHz	Pass	PK	5.454G	60.14	74.00	-13.86	7.82	3	V	194	2.27	-
5700MHz	Pass	PK	5.461G	59.53	68.20	-8.67	7.83	3	V	194	2.27	-
5700MHz	Pass	PK	5.699G	110.11	Inf	-Inf	8.24	3	V	194	2.27	-
5700MHz	Pass	PK	5.732G	67.60	68.20	-0.60	8.29	3	V	194	2.27	-
5700MHz	Pass	AV	11.4G	47.79	54.00	-6.21	17.74	3	H	326	1.02	-
5700MHz	Pass	PK	11.4G	62.39	74.00	-11.61	17.74	3	H	326	1.02	-
5700MHz	Pass	AV	11.4G	49.76	54.00	-4.24	17.74	3	V	343	1.01	-



FCC Test Report

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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	PK	11.4G	65.08	74.00	-8.92	17.74	3	V	343	1.01	-
5745MHz	Pass	AV	5.4462G	46.64	54.00	-7.36	7.80	3	V	131	2.15	-
5745MHz	Pass	AV	5.7462G	106.00	Inf	-Inf	8.32	3	V	131	2.15	-
5745MHz	Pass	PK	5.4522G	59.01	74.00	-14.99	7.81	3	V	131	2.15	-
5745MHz	Pass	PK	5.5866G	65.25	68.20	-2.95	8.06	3	V	131	2.15	-
5745MHz	Pass	PK	5.7462G	116.12	Inf	-Inf	8.32	3	V	131	2.15	-
5745MHz	Pass	PK	5.9586G	61.39	68.20	-6.81	8.66	3	V	131	2.15	-
5745MHz	Pass	AV	11.49G	46.52	54.00	-7.48	13.26	3	H	334	1.08	-
5745MHz	Pass	PK	11.49G	60.02	74.00	-13.98	13.26	3	H	334	1.08	-
5745MHz	Pass	AV	11.49G	50.43	54.00	-3.57	13.26	3	V	347	1.01	-
5745MHz	Pass	PK	11.49G	64.80	74.00	-9.20	13.26	3	V	347	1.01	-
5785MHz	Pass	AV	5.7862G	105.39	Inf	-Inf	8.39	3	V	129	2.20	-
5785MHz	Pass	PK	5.6266G	66.34	68.20	-1.86	8.12	3	V	129	2.20	-
5785MHz	Pass	PK	5.7862G	115.55	Inf	-Inf	8.39	3	V	129	2.20	-
5785MHz	Pass	PK	5.9458G	67.29	68.20	-0.91	8.64	3	V	129	2.20	-
5785MHz	Pass	AV	11.57G	47.93	54.00	-6.07	12.14	3	H	334	1.04	-
5785MHz	Pass	PK	11.57G	60.74	74.00	-13.26	12.14	3	H	334	1.04	-
5785MHz	Pass	AV	11.57G	50.89	54.00	-3.11	12.14	3	V	345	1.03	-
5785MHz	Pass	PK	11.57G	65.27	74.00	-8.73	12.14	3	V	345	1.03	-
5825MHz	Pass	AV	5.8262G	104.27	Inf	-Inf	8.45	3	V	132	1.96	-
5825MHz	Pass	PK	5.5874G	60.80	68.20	-7.40	8.06	3	V	132	1.96	-
5825MHz	Pass	PK	5.8262G	115.31	Inf	-Inf	8.45	3	V	132	1.96	-
5825MHz	Pass	PK	5.981G	64.62	68.20	-3.58	8.70	3	V	132	1.96	-
5825MHz	Pass	AV	11.65G	45.10	54.00	-8.90	12.24	3	H	333	2.31	-
5825MHz	Pass	PK	11.65G	58.75	74.00	-15.25	12.24	3	H	333	2.31	-
5825MHz	Pass	AV	11.65G	49.07	54.00	-4.93	12.24	3	V	343	1.00	-
5825MHz	Pass	PK	11.65G	63.13	74.00	-10.87	12.24	3	V	343	1.00	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1496G	53.64	54.00	-0.36	7.15	3	V	131	1.88	-
5180MHz	Pass	AV	5.1792G	104.17	Inf	-Inf	7.21	3	V	131	1.88	-
5180MHz	Pass	PK	5.1492G	72.04	74.00	-1.96	7.15	3	V	131	1.88	-
5180MHz	Pass	PK	5.1792G	112.52	Inf	-Inf	7.21	3	V	131	1.88	-
5180MHz	Pass	AV	10.36G	45.50	54.00	-8.50	17.01	3	H	360	1.04	-
5180MHz	Pass	PK	10.36G	56.00	74.00	-18.00	17.01	3	H	360	1.04	-
5180MHz	Pass	AV	10.36G	45.60	54.00	-8.40	17.01	3	V	0	1.01	-
5180MHz	Pass	PK	10.36G	54.72	74.00	-19.28	17.01	3	V	0	1.01	-
5200MHz	Pass	AV	5.0384G	48.87	54.00	-5.13	6.90	3	V	208	1.80	-
5200MHz	Pass	AV	5.2016G	102.62	Inf	-Inf	7.26	3	V	208	1.80	-
5200MHz	Pass	AV	5.3592G	53.51	54.00	-0.49	7.61	3	V	208	1.80	-
5200MHz	Pass	PK	5.0472G	60.82	74.00	-13.18	6.92	3	V	208	1.80	-
5200MHz	Pass	PK	5.2016G	113.80	Inf	-Inf	7.26	3	V	208	1.80	-
5200MHz	Pass	PK	5.3568G	64.71	74.00	-9.29	7.60	3	V	208	1.80	-
5200MHz	Pass	AV	10.4G	47.52	54.00	-6.48	17.08	3	H	358	1.00	-
5200MHz	Pass	PK	10.4G	59.90	74.00	-14.10	17.08	3	H	358	1.00	-
5200MHz	Pass	AV	10.4G	49.01	54.00	-4.99	17.08	3	V	0	1.00	-
5200MHz	Pass	PK	10.4G	59.95	74.00	-14.05	17.08	3	V	0	1.00	-
5240MHz	Pass	AV	5.078G	49.55	54.00	-4.45	6.99	3	V	207	1.67	-
5240MHz	Pass	AV	5.241G	103.95	Inf	-Inf	7.35	3	V	207	1.67	-



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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
5240MHz	Pass	AV	5.401G	53.36	54.00	-0.64	7.70	3	V	207	1.67	-
5240MHz	Pass	PK	5.08G	61.33	74.00	-12.67	7.00	3	V	207	1.67	-
5240MHz	Pass	PK	5.238G	114.26	Inf	-Inf	7.34	3	V	207	1.67	-
5240MHz	Pass	PK	5.403G	64.90	74.00	-9.10	NaN	3	V	207	1.67	-
5240MHz	Pass	PK	5.483G	61.19	68.20	-7.01	7.88	3	V	207	1.67	-
5240MHz	Pass	AV	10.48G	46.83	54.00	-7.17	17.20	3	H	358	1.00	-
5240MHz	Pass	PK	10.48G	58.42	74.00	-15.58	17.20	3	H	358	1.00	-
5240MHz	Pass	AV	10.48G	47.20	54.00	-6.80	17.20	3	V	161	2.17	-
5240MHz	Pass	PK	10.48G	59.18	74.00	-14.82	17.20	3	V	161	2.17	-
5260MHz	Pass	AV	5.098G	50.21	54.00	-3.79	7.04	3	V	209	1.86	-
5260MHz	Pass	AV	5.259G	103.42	Inf	-Inf	7.39	3	V	209	1.86	-
5260MHz	Pass	AV	5.422G	53.52	54.00	-0.48	7.75	3	V	209	1.86	-
5260MHz	Pass	PK	5.107G	61.63	74.00	-12.37	7.06	3	V	209	1.86	-
5260MHz	Pass	PK	5.259G	114.10	Inf	-Inf	7.39	3	V	209	1.86	-
5260MHz	Pass	PK	5.425G	64.79	74.00	-9.21	7.86	3	V	209	1.86	-
5260MHz	Pass	PK	5.472G	60.56	68.20	-7.64	7.86	3	V	209	1.86	-
5260MHz	Pass	AV	10.52G	44.55	54.00	-9.45	17.26	3	H	359	1.39	-
5260MHz	Pass	PK	10.52G	62.37	74.00	-11.63	17.26	3	H	359	1.39	-
5260MHz	Pass	AV	10.52G	46.27	54.00	-7.73	17.26	3	V	360	1.00	-
5260MHz	Pass	PK	10.52G	63.85	74.00	-10.15	17.26	3	V	360	1.00	-
5300MHz	Pass	AV	5.139G	50.40	54.00	-3.60	7.13	3	V	234	1.91	-
5300MHz	Pass	AV	5.301G	104.17	Inf	-Inf	7.48	3	V	234	1.91	-
5300MHz	Pass	AV	5.459G	53.28	54.00	-0.72	7.83	3	V	234	1.91	-
5300MHz	Pass	PK	5.139G	63.01	74.00	-10.99	7.13	3	V	234	1.91	-
5300MHz	Pass	PK	5.299G	114.79	Inf	-Inf	7.48	3	V	234	1.91	-
5300MHz	Pass	PK	5.453G	64.31	74.00	-9.69	7.82	3	V	234	1.91	-
5300MHz	Pass	PK	5.465G	65.15	68.20	-3.05	7.84	3	V	234	1.91	-
5300MHz	Pass	AV	10.6G	44.80	54.00	-9.20	17.38	3	H	358	1.02	-
5300MHz	Pass	PK	10.6G	58.91	74.00	-15.09	17.38	3	H	358	1.02	-
5300MHz	Pass	AV	10.6G	45.68	54.00	-8.32	17.38	3	V	159	1.13	-
5300MHz	Pass	PK	10.6G	59.75	74.00	-14.25	17.38	3	V	159	1.13	-
5320MHz	Pass	AV	5.149995G	46.38	54.00	-7.62	7.15	3	V	226	1.85	-
5320MHz	Pass	AV	5.318G	102.74	Inf	-Inf	7.52	3	V	226	1.85	-
5320MHz	Pass	AV	5.351G	53.16	54.00	-0.84	7.59	3	V	226	1.85	-
5320MHz	Pass	PK	5.088G	59.42	74.00	-14.58	7.01	3	V	226	1.85	-
5320MHz	Pass	PK	5.318G	112.99	Inf	-Inf	7.52	3	V	226	1.85	-
5320MHz	Pass	PK	5.351G	73.84	74.00	-0.16	7.59	3	V	226	1.85	-
5320MHz	Pass	PK	5.474G	63.81	68.20	-4.39	NaN	3	V	226	1.85	-
5320MHz	Pass	AV	10.64G	43.58	54.00	-10.42	17.45	3	H	120	1.50	-
5320MHz	Pass	PK	10.64G	57.59	74.00	-16.41	17.45	3	H	120	1.50	-
5320MHz	Pass	AV	10.64G	44.27	54.00	-9.73	17.45	3	V	158	2.20	-
5320MHz	Pass	PK	10.64G	58.12	74.00	-15.88	17.45	3	V	158	2.20	-
5500MHz	Pass	AV	5.458G	49.10	54.00	-4.90	7.83	3	V	275	1.50	-
5500MHz	Pass	AV	5.498G	101.56	Inf	-Inf	7.92	3	V	275	1.50	-
5500MHz	Pass	PK	5.341G	61.78	68.20	-6.42	7.57	3	V	275	1.50	-
5500MHz	Pass	PK	5.45G	60.44	74.00	-13.56	7.81	3	V	275	1.50	-
5500MHz	Pass	PK	5.469G	67.35	68.20	-0.85	7.85	3	V	275	1.50	-
5500MHz	Pass	PK	5.499G	109.80	Inf	-Inf	7.92	3	V	275	1.50	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	PK	5.742G	60.87	68.20	-7.33	8.31	3	V	275	1.50	-
5500MHz	Pass	AV	11G	46.03	54.00	-7.97	18.00	3	H	13	1.02	-
5500MHz	Pass	PK	11G	59.70	74.00	-14.30	18.00	3	H	13	1.02	-
5500MHz	Pass	AV	11G	46.26	54.00	-7.74	18.00	3	V	336	1.20	-
5500MHz	Pass	PK	11G	58.31	74.00	-15.69	18.00	3	V	336	1.20	-
5580MHz	Pass	AV	5.418G	53.14	54.00	-0.86	7.74	3	V	272	1.28	-
5580MHz	Pass	AV	5.581G	104.39	Inf	-Inf	8.05	3	V	272	1.28	-
5580MHz	Pass	PK	5.346G	60.82	68.20	-7.38	7.58	3	V	272	1.28	-
5580MHz	Pass	PK	5.418G	63.66	74.00	-10.34	7.84	3	V	272	1.28	-
5580MHz	Pass	PK	5.463G	60.93	68.20	-7.27	7.84	3	V	272	1.28	-
5580MHz	Pass	PK	5.583G	112.01	Inf	-Inf	8.05	3	V	272	1.28	-
5580MHz	Pass	PK	5.742G	63.19	68.20	-5.01	8.31	3	V	272	1.28	-
5580MHz	Pass	AV	11.16G	49.03	54.00	-4.97	17.89	3	H	0	2.36	-
5580MHz	Pass	PK	11.16G	63.03	74.00	-10.97	17.89	3	H	0	2.36	-
5580MHz	Pass	AV	11.16G	47.89	54.00	-6.11	17.89	3	V	188	1.46	-
5580MHz	Pass	PK	11.16G	62.06	74.00	-11.94	17.89	3	V	188	1.46	-
5700MHz	Pass	AV	5.451G	48.48	54.00	-5.52	7.81	3	V	191	2.15	-
5700MHz	Pass	AV	5.699G	101.09	Inf	-Inf	8.24	3	V	191	2.15	-
5700MHz	Pass	PK	5.455G	60.07	74.00	-13.93	7.82	3	V	191	2.15	-
5700MHz	Pass	PK	5.464G	59.65	68.20	-8.55	7.84	3	V	191	2.15	-
5700MHz	Pass	PK	5.699G	108.90	Inf	-Inf	8.24	3	V	191	2.15	-
5700MHz	Pass	PK	5.726G	67.41	68.20	-0.79	8.28	3	V	191	2.15	-
5700MHz	Pass	AV	11.4G	46.51	54.00	-7.49	17.74	3	H	328	1.04	-
5700MHz	Pass	PK	11.4G	59.14	74.00	-14.86	17.74	3	H	328	1.04	-
5700MHz	Pass	AV	11.4G	49.23	54.00	-4.77	17.74	3	V	344	1.05	-
5700MHz	Pass	PK	11.4G	64.45	74.00	-9.55	17.74	3	V	344	1.05	-
5745MHz	Pass	AV	5.4486G	46.61	54.00	-7.39	7.81	3	V	124	2.24	-
5745MHz	Pass	AV	5.7474G	103.88	Inf	-Inf	8.32	3	V	124	2.24	-
5745MHz	Pass	PK	5.4486G	59.63	74.00	-14.37	7.81	3	V	124	2.24	-
5745MHz	Pass	PK	5.5854G	64.26	68.20	-3.94	8.06	3	V	124	2.24	-
5745MHz	Pass	PK	5.7426G	114.37	Inf	-Inf	8.31	3	V	124	2.24	-
5745MHz	Pass	PK	5.937G	61.49	68.20	-6.71	8.63	3	V	124	2.24	-
5745MHz	Pass	AV	11.49G	46.78	54.00	-7.22	13.26	3	H	335	1.01	-
5745MHz	Pass	PK	11.49G	60.68	74.00	-13.32	13.26	3	H	335	1.01	-
5745MHz	Pass	AV	11.49G	50.72	54.00	-3.28	13.26	3	V	348	1.05	-
5745MHz	Pass	PK	11.49G	65.51	74.00	-8.49	13.26	3	V	348	1.05	-
5785MHz	Pass	AV	5.791G	103.32	Inf	-Inf	8.39	3	V	99	2.64	-
5785MHz	Pass	PK	5.6266G	64.49	68.20	-3.71	8.12	3	V	99	2.64	-
5785MHz	Pass	PK	5.7814G	116.08	Inf	-Inf	8.38	3	V	99	2.64	-
5785MHz	Pass	PK	5.9386G	67.65	68.20	-0.55	8.63	3	V	99	2.64	-
5785MHz	Pass	AV	11.57G	46.90	54.00	-7.10	12.14	3	H	334	1.08	-
5785MHz	Pass	PK	11.57G	61.25	74.00	-12.75	12.14	3	H	334	1.08	-
5785MHz	Pass	AV	11.57G	50.44	54.00	-3.56	12.14	3	V	348	1.01	-
5785MHz	Pass	PK	11.57G	64.06	74.00	-9.94	12.14	3	V	348	1.01	-
5825MHz	Pass	AV	5.8274G	102.59	Inf	-Inf	8.45	3	V	130	2.20	-
5825MHz	Pass	PK	5.5886G	61.49	68.20	-6.71	8.06	3	V	130	2.20	-
5825MHz	Pass	PK	5.8226G	115.03	Inf	-Inf	8.45	3	V	130	2.20	-
5825MHz	Pass	PK	5.9882G	64.79	68.20	-3.41	8.71	3	V	130	2.20	-



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Report No. : FR750812AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	11.65G	44.70	54.00	-9.30	12.24	3	H	332	2.34	-
5825MHz	Pass	PK	11.65G	58.45	74.00	-15.55	12.24	3	H	332	2.34	-
5825MHz	Pass	AV	11.65G	48.02	54.00	-5.98	12.24	3	V	347	1.01	-
5825MHz	Pass	PK	11.65G	61.39	74.00	-12.61	12.24	3	V	347	1.01	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	53.32	54.00	-0.68	7.15	3	V	207	1.70	-
5190MHz	Pass	AV	5.193G	95.44	Inf	-Inf	7.24	3	V	207	1.70	-
5190MHz	Pass	AV	5.354G	49.38	54.00	-4.62	7.60	3	V	207	1.70	-
5190MHz	Pass	PK	5.148G	70.10	74.00	-3.90	7.15	3	V	207	1.70	-
5190MHz	Pass	PK	5.194G	106.47	Inf	-Inf	7.25	3	V	207	1.70	-
5190MHz	Pass	PK	5.424G	61.27	74.00	-12.73	7.75	3	V	207	1.70	-
5190MHz	Pass	AV	10.38G	43.87	54.00	-10.13	17.05	3	H	230	1.50	-
5190MHz	Pass	PK	10.38G	58.68	74.00	-15.32	17.05	3	H	230	1.50	-
5190MHz	Pass	AV	10.38G	43.89	54.00	-10.11	17.05	3	V	91	1.50	-
5190MHz	Pass	PK	10.38G	58.35	74.00	-15.65	17.05	3	V	91	1.50	-
5230MHz	Pass	AV	5.149995G	49.47	54.00	-4.53	7.15	3	V	207	1.72	-
5230MHz	Pass	AV	5.233G	100.61	Inf	-Inf	7.33	3	V	207	1.72	-
5230MHz	Pass	AV	5.386G	51.82	54.00	-2.18	7.67	3	V	207	1.72	-
5230MHz	Pass	PK	5.149995G	63.89	74.00	-10.11	7.15	3	V	207	1.72	-
5230MHz	Pass	PK	5.236G	111.21	Inf	-Inf	7.34	3	V	207	1.72	-
5230MHz	Pass	PK	5.387G	63.14	74.00	-10.86	7.62	3	V	207	1.72	-
5230MHz	Pass	PK	5.475G	60.06	68.20	-8.14	7.86	3	V	207	1.72	-
5230MHz	Pass	AV	10.46G	45.99	54.00	-8.01	17.17	3	H	358	1.01	-
5230MHz	Pass	PK	10.46G	57.92	74.00	-16.08	17.17	3	H	358	1.01	-
5230MHz	Pass	AV	10.46G	46.29	54.00	-7.71	17.17	3	V	161	2.21	-
5230MHz	Pass	PK	10.46G	59.25	74.00	-14.75	17.17	3	V	161	2.21	-
5270MHz	Pass	AV	5.104G	48.15	54.00	-5.85	7.05	3	V	238	2.17	-
5270MHz	Pass	AV	5.274G	99.74	Inf	-Inf	7.42	3	V	238	2.17	-
5270MHz	Pass	AV	5.435G	50.92	54.00	-3.08	7.78	3	V	238	2.17	-
5270MHz	Pass	PK	5.116G	60.63	74.00	-13.37	7.08	3	V	238	2.17	-
5270MHz	Pass	PK	5.274G	110.73	Inf	-Inf	7.42	3	V	238	2.17	-
5270MHz	Pass	PK	5.439G	62.77	74.00	-11.23	7.89	3	V	238	2.17	-
5270MHz	Pass	PK	5.512G	60.63	68.20	-7.57	7.94	3	V	238	2.17	-
5270MHz	Pass	AV	10.54G	44.66	54.00	-9.34	17.29	3	H	0	1.47	-
5270MHz	Pass	PK	10.54G	65.53	74.00	-8.47	17.29	3	H	0	1.47	-
5270MHz	Pass	AV	10.54G	44.93	54.00	-9.07	17.29	3	V	162	1.18	-
5270MHz	Pass	PK	10.54G	65.93	74.00	-8.07	17.29	3	V	162	1.18	-
5310MHz	Pass	AV	5.145G	46.23	54.00	-7.77	7.14	3	V	227	1.92	-
5310MHz	Pass	AV	5.313G	94.53	Inf	-Inf	7.51	3	V	227	1.92	-
5310MHz	Pass	AV	5.351G	53.05	54.00	-0.95	7.59	3	V	227	1.92	-
5310MHz	Pass	PK	5.119G	60.25	74.00	-13.75	7.08	3	V	227	1.92	-
5310MHz	Pass	PK	5.313G	105.52	Inf	-Inf	7.51	3	V	227	1.92	-
5310MHz	Pass	PK	5.358G	70.23	74.00	-3.77	7.61	3	V	227	1.92	-
5310MHz	Pass	PK	5.471G	61.09	68.20	-7.11	7.86	3	V	227	1.92	-
5310MHz	Pass	AV	10.62G	43.41	54.00	-10.59	17.41	3	H	149	1.50	-
5310MHz	Pass	PK	10.62G	57.53	74.00	-16.47	17.41	3	H	149	1.50	-
5310MHz	Pass	AV	10.62G	43.42	54.00	-10.58	17.41	3	V	134	1.50	-
5310MHz	Pass	PK	10.62G	57.54	74.00	-16.46	17.41	3	V	134	1.50	-



FCC Test Report

Report No. : FR750812AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5510MHz	Pass	AV	5.46G	49.70	54.00	-4.30	7.83	3	V	275	1.50	-
5510MHz	Pass	AV	5.506G	95.26	Inf	-Inf	7.93	3	V	275	1.50	-
5510MHz	Pass	PK	5.303G	60.76	68.20	-7.44	7.49	3	V	275	1.50	-
5510MHz	Pass	PK	5.366G	61.38	74.00	-12.62	7.63	3	V	275	1.50	-
5510MHz	Pass	PK	5.469G	67.88	68.20	-0.32	7.85	3	V	275	1.50	-
5510MHz	Pass	PK	5.504G	103.85	Inf	-Inf	7.93	3	V	275	1.50	-
5510MHz	Pass	PK	5.74G	61.72	68.20	-6.48	8.31	3	V	275	1.50	-
5510MHz	Pass	AV	11.02G	46.03	54.00	-7.97	17.99	3	H	0	1.50	-
5510MHz	Pass	PK	11.02G	57.89	74.00	-16.11	17.99	3	H	0	1.50	-
5510MHz	Pass	AV	11.02G	46.12	54.00	-7.88	17.99	3	V	360	1.50	-
5510MHz	Pass	PK	11.02G	57.76	74.00	-16.24	17.99	3	V	360	1.50	-
5550MHz	Pass	AV	5.394G	53.72	54.00	-0.28	7.69	3	V	213	2.13	-
5550MHz	Pass	AV	5.554G	105.96	Inf	-Inf	8.01	3	V	213	2.13	-
5550MHz	Pass	PK	5.322G	61.81	68.20	-6.39	7.53	3	V	213	2.13	-
5550MHz	Pass	PK	5.401G	63.84	74.00	-10.16	7.80	3	V	213	2.13	-
5550MHz	Pass	PK	5.467G	60.07	68.20	-8.13	7.85	3	V	213	2.13	-
5550MHz	Pass	PK	5.546G	114.17	Inf	-Inf	7.99	3	V	213	2.13	-
5550MHz	Pass	PK	5.727G	65.93	68.20	-2.27	8.29	3	V	213	2.13	-
5550MHz	Pass	AV	11.1G	45.48	54.00	-8.52	17.93	3	H	360	1.50	-
5550MHz	Pass	PK	11.1G	58.11	74.00	-15.89	17.93	3	H	360	1.50	-
5550MHz	Pass	AV	11.1G	45.30	54.00	-8.70	17.93	3	V	78	1.50	-
5550MHz	Pass	PK	11.1G	57.69	74.00	-16.31	17.93	3	V	78	1.50	-
5670MHz	Pass	AV	5.432G	49.57	54.00	-4.43	7.77	3	V	227	1.50	-
5670MHz	Pass	AV	5.675G	106.19	Inf	-Inf	8.20	3	V	227	1.50	-
5670MHz	Pass	PK	5.433G	60.42	74.00	-13.58	7.77	3	V	227	1.50	-
5670MHz	Pass	PK	5.460005G	60.22	68.20	-7.98	7.83	3	V	227	1.50	-
5670MHz	Pass	PK	5.663G	114.52	Inf	-Inf	8.18	3	V	227	1.50	-
5670MHz	Pass	PK	5.728G	67.82	68.20	-0.38	8.29	3	V	227	1.50	-
5670MHz	Pass	AV	11.34G	45.91	54.00	-8.09	17.78	3	H	360	1.50	-
5670MHz	Pass	PK	11.34G	59.47	74.00	-14.53	17.78	3	H	360	1.50	-
5670MHz	Pass	AV	11.34G	46.11	54.00	-7.89	17.78	3	V	0	1.50	-
5670MHz	Pass	PK	11.34G	58.07	74.00	-15.93	17.78	3	V	0	1.50	-
5755MHz	Pass	AV	5.4562G	46.52	54.00	-7.48	7.82	3	V	132	2.23	-
5755MHz	Pass	AV	5.7574G	99.39	Inf	-Inf	8.34	3	V	132	2.23	-
5755MHz	Pass	PK	5.455G	58.64	74.00	-15.36	7.82	3	V	132	2.23	-
5755MHz	Pass	PK	5.5978G	62.96	68.20	-5.24	8.08	3	V	132	2.23	-
5755MHz	Pass	PK	5.7682G	111.90	Inf	-Inf	8.36	3	V	132	2.23	-
5755MHz	Pass	PK	5.9254G	63.85	68.20	-4.35	8.61	3	V	132	2.23	-
5795MHz	Pass	AV	5.801G	99.22	Inf	-Inf	8.41	3	V	153	1.92	-
5795MHz	Pass	PK	5.645G	63.16	68.20	-5.04	8.15	3	V	153	1.92	-
5795MHz	Pass	PK	5.7878G	110.33	Inf	-Inf	8.39	3	V	153	1.92	-
5795MHz	Pass	PK	5.963G	63.69	68.20	-4.51	8.67	3	V	153	1.92	-
5795MHz	Pass	AV	11.59G	42.98	54.00	-11.02	12.16	3	H	334	1.05	-
5795MHz	Pass	PK	11.59G	56.47	74.00	-17.53	12.16	3	H	334	1.05	-
5795MHz	Pass	AV	11.59G	46.73	54.00	-7.27	12.16	3	V	345	1.01	-
5795MHz	Pass	PK	11.59G	60.58	74.00	-13.42	12.16	3	V	345	1.01	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.144G	53.12	54.00	-0.88	7.14	3	V	129	2.10	-



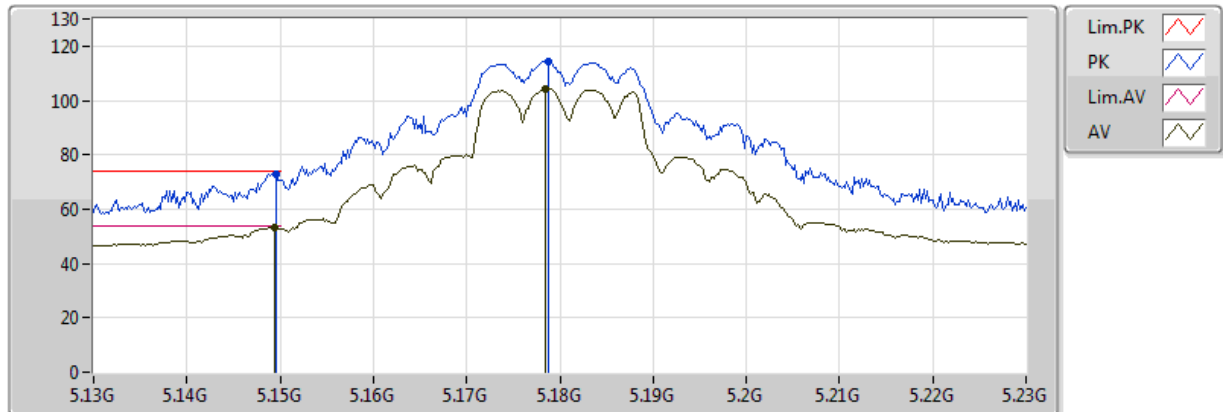
FCC Test Report

Report No. : FR750812AN

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	AV	5.222G	93.19	Inf	-Inf	7.31	3	V	129	2.10	-
5210MHz	Pass	AV	5.394G	49.68	54.00	-4.32	7.69	3	V	129	2.10	-
5210MHz	Pass	PK	5.149G	68.23	74.00	-5.77	7.15	3	V	129	2.10	-
5210MHz	Pass	PK	5.227G	103.28	Inf	-Inf	7.32	3	V	129	2.10	-
5210MHz	Pass	PK	5.408G	61.68	74.00	-12.32	7.72	3	V	129	2.10	-
5210MHz	Pass	AV	10.42G	44.46	54.00	-9.54	17.11	3	H	133	1.50	-
5210MHz	Pass	PK	10.42G	58.30	74.00	-15.70	17.11	3	H	133	1.50	-
5210MHz	Pass	AV	10.42G	44.29	54.00	-9.71	17.11	3	V	15	1.01	-
5210MHz	Pass	PK	10.42G	57.69	74.00	-16.31	17.11	3	V	15	1.01	-
5290MHz	Pass	AV	5.142G	46.09	54.00	-7.91	7.13	3	V	238	2.02	-
5290MHz	Pass	AV	5.304G	90.08	Inf	-Inf	7.49	3	V	238	2.02	-
5290MHz	Pass	AV	5.350005G	53.35	54.00	-0.65	7.59	3	V	238	2.02	-
5290MHz	Pass	PK	5.136G	60.01	74.00	-13.99	7.12	3	V	238	2.02	-
5290MHz	Pass	PK	5.299G	102.61	Inf	-Inf	7.48	3	V	238	2.02	-
5290MHz	Pass	PK	5.362G	69.52	74.00	-4.48	7.62	3	V	238	2.02	-
5290MHz	Pass	PK	5.491G	60.30	68.20	-7.90	7.90	3	V	NaN	NaN	-
5290MHz	Pass	AV	10.58G	43.98	54.00	-10.02	17.35	3	H	100	1.50	-
5290MHz	Pass	PK	10.58G	57.82	74.00	-16.18	17.35	3	H	100	1.50	-
5290MHz	Pass	AV	10.58G	44.19	54.00	-9.81	17.35	3	V	191	1.50	-
5290MHz	Pass	PK	10.58G	57.90	74.00	-16.10	17.35	3	V	191	1.50	-
5530MHz	Pass	AV	11.06G	45.56	54.00	-8.44	17.96	3	H	270	2.87	-
5530MHz	Pass	PK	11.06G	58.35	74.00	-15.65	17.96	3	H	270	2.87	-
5530MHz	Pass	AV	5.458G	53.87	54.00	-0.13	7.83	3	V	230	1.50	-
5530MHz	Pass	AV	5.521G	92.06	Inf	-Inf	7.95	3	V	230	1.50	-
5530MHz	Pass	AV	11.06G	45.76	54.00	-8.24	17.96	3	V	182	1.50	-
5530MHz	Pass	PK	5.297G	60.13	68.20	-8.07	7.47	3	V	230	1.50	-
5530MHz	Pass	PK	5.446G	66.43	74.00	-7.57	7.80	3	V	230	1.50	-
5530MHz	Pass	PK	5.463G	67.88	68.20	-0.32	7.84	3	V	230	1.50	-
5530MHz	Pass	PK	5.541G	100.16	Inf	-Inf	7.99	3	V	230	1.50	-
5530MHz	Pass	PK	5.756G	61.04	68.20	-7.16	8.34	3	V	230	1.50	-
5530MHz	Pass	PK	11.06G	57.98	74.00	-16.02	17.96	3	V	182	1.50	-
5775MHz	Pass	AV	5.781G	98.01	Inf	-Inf	8.38	3	V	211	2.14	-
5775MHz	Pass	PK	5.6502G	68.15	68.35	-0.20	8.16	3	V	211	2.14	-
5775MHz	Pass	PK	5.769G	105.94	Inf	-Inf	8.36	3	V	211	2.14	-
5775MHz	Pass	PK	5.9274G	62.31	68.20	-5.89	8.61	3	V	211	2.14	-
5775MHz	Pass	AV	11.55G	44.34	54.00	-9.66	17.64	3	H	282	3.51	-
5775MHz	Pass	PK	11.55G	57.21	74.00	-16.79	17.64	3	H	282	3.51	-
5775MHz	Pass	AV	11.55G	44.23	54.00	-9.77	17.64	3	V	341	1.02	-
5775MHz	Pass	PK	11.55G	57.02	74.00	-16.98	17.64	3	V	341	1.02	-

802.11a_(6Mbps)_2TX

5180MHz_TX

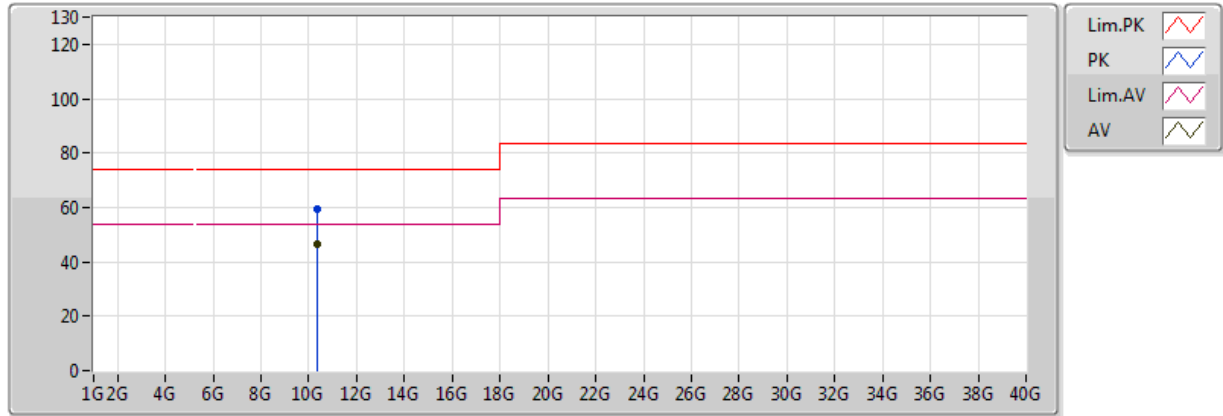


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1494G	53.29	54.00	-0.71	7.15	3	V	131	2.02	-
AV	5.1784G	104.32	Inf	-Inf	7.21	3	V	131	2.02	-
PK	5.1496G	73.01	74.00	-0.99	7.15	3	V	131	2.02	-
PK	5.1788G	114.49	Inf	-Inf	7.21	3	V	131	2.02	-

802.11a_(6Mbps)_2TX

5180MHz_TX

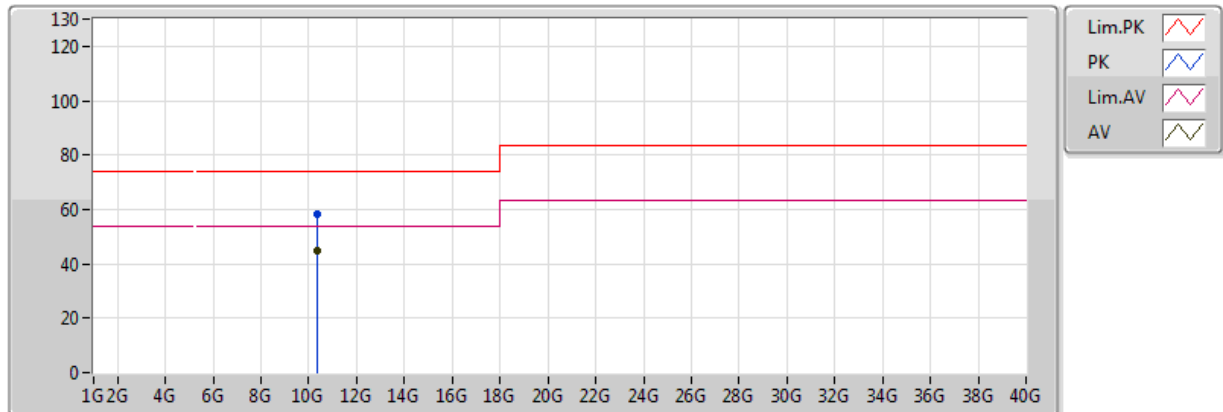


EUT=Z

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	46.25	54.00	-7.75	17.01	3	V	0	1.01	-
PK	10.36G	59.50	74.00	-14.50	17.01	3	V	0	1.01	-

802.11a_(6Mbps)_2TX

5180MHz_TX

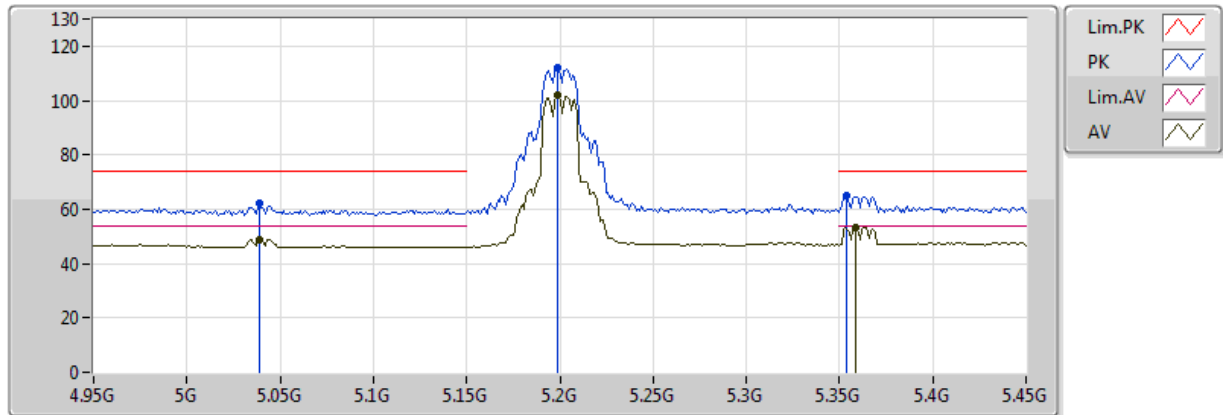


EUT=Z

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	45.10	54.00	-8.90	17.01	3	H	359	1.01	-
PK	10.36G	58.37	74.00	-15.63	17.01	3	H	359	1.01	-

802.11a_(6Mbps)_2TX

5200MHz_TX

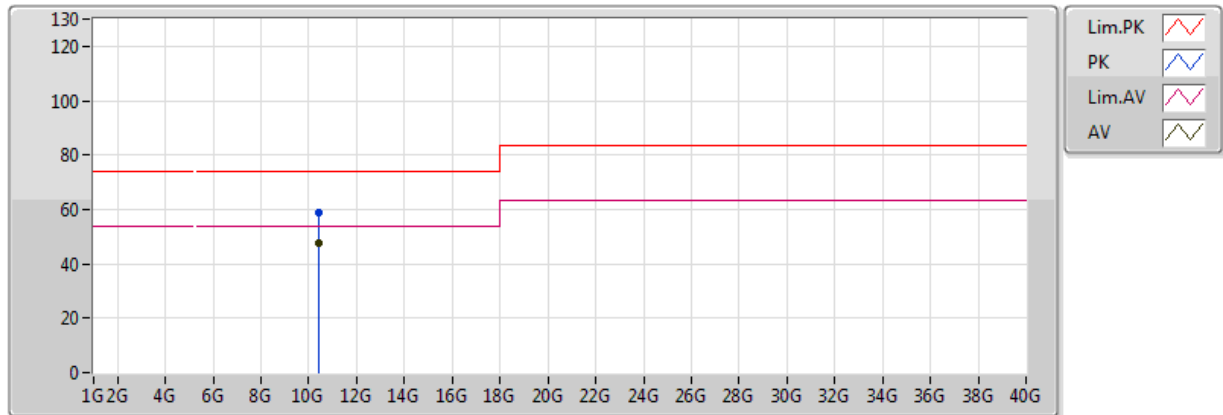


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.039G	49.01	54.00	-4.99	6.91	3	V	132	2.04	-
AV	5.199G	101.79	Inf	-Inf	7.26	3	V	132	2.04	-
AV	5.359G	53.50	54.00	-0.50	7.61	3	V	132	2.04	-
PK	5.039G	62.12	74.00	-11.88	6.91	3	V	132	2.04	-
PK	5.199G	112.23	Inf	-Inf	7.26	3	V	132	2.04	-
PK	5.354G	64.79	74.00	-9.21	7.60	3	V	132	2.04	-

802.11a_(6Mbps)_2TX

5200MHz_TX

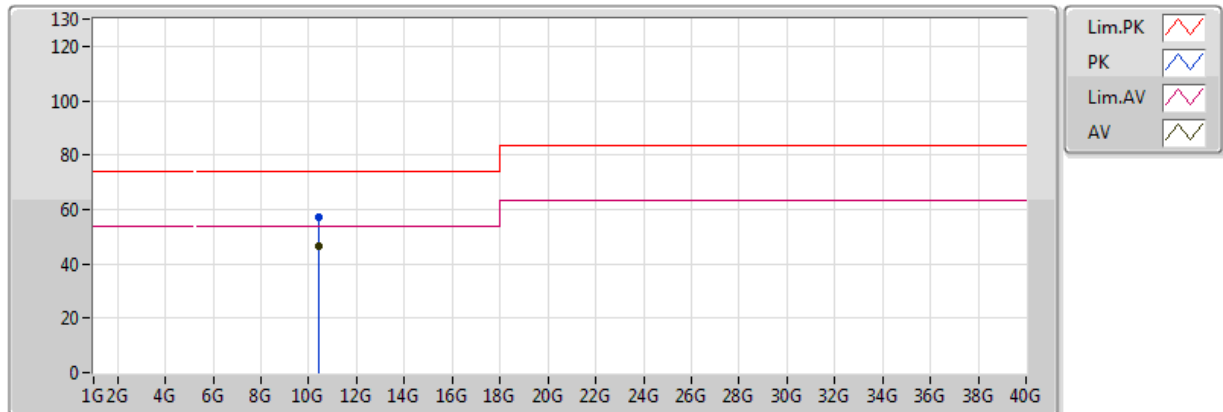


EUT=Z

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	47.50	54.00	-6.50	17.08	3	V	359	1.03	-
PK	10.4G	58.71	74.00	-15.29	17.08	3	V	359	1.03	-

802.11a_(6Mbps)_2TX

5200MHz_TX

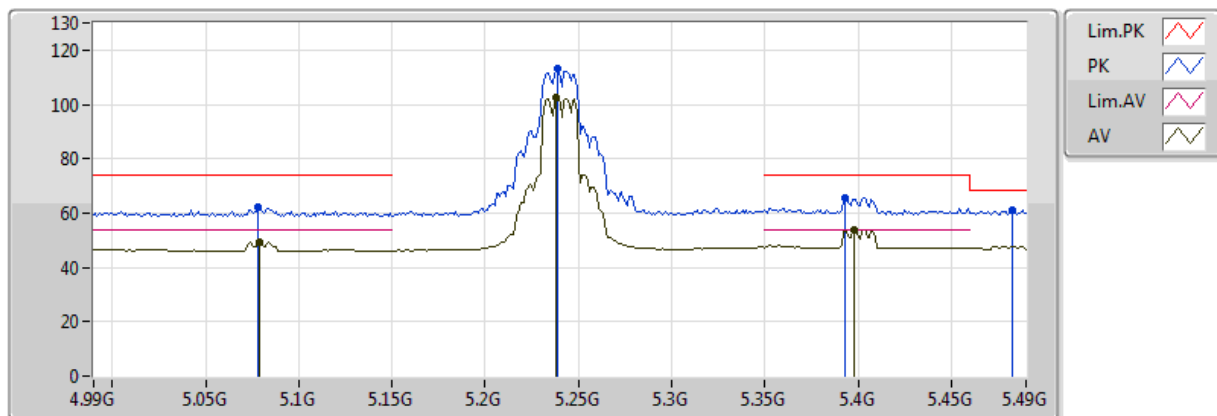


EUT=Z

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	46.42	54.00	-7.58	17.08	3	H	359	1.00	-
PK	10.4G	56.90	74.00	-17.10	17.08	3	H	359	1.00	-

802.11a_(6Mbps)_2TX

5240MHz_TX

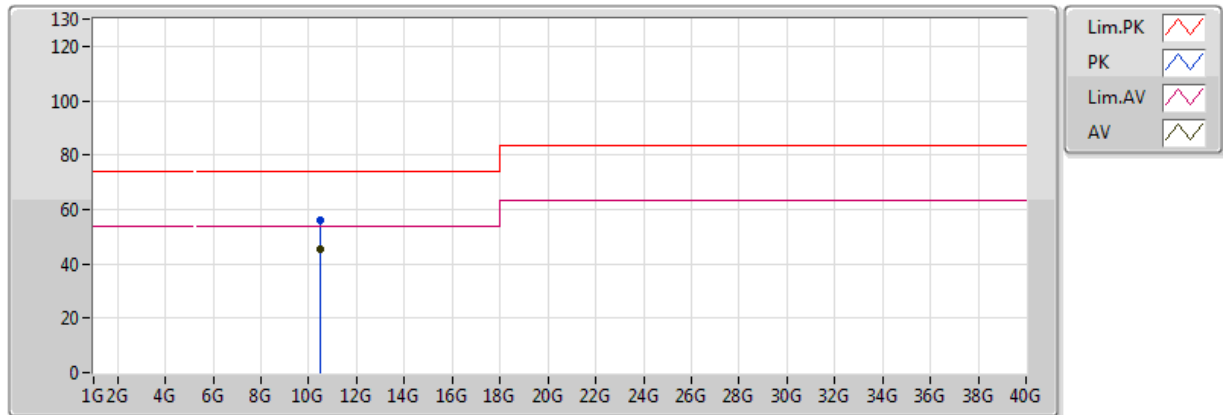


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.079G	49.30	54.00	-4.70	6.99	3	V	131	1.85	-
AV	5.238G	102.70	Inf	-Inf	7.34	3	V	131	1.85	-
AV	5.398G	53.84	54.00	-0.16	7.70	3	V	131	1.85	-
PK	5.078G	61.92	74.00	-12.08	6.99	3	V	131	1.85	-
PK	5.239G	113.04	Inf	-Inf	7.35	3	V	131	1.85	-
PK	5.393G	65.42	74.00	-8.58	7.63	3	V	131	1.85	-
PK	5.483G	61.22	68.20	-6.98	7.88	3	V	131	1.85	-

802.11a_(6Mbps)_2TX

5240MHz_TX

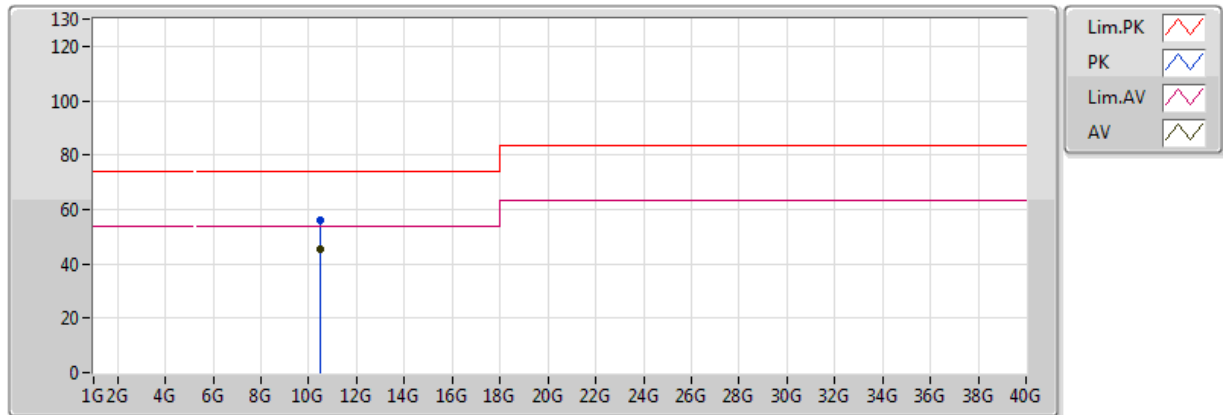


EUT=Z

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	45.15	54.00	-8.85	17.20	3	V	159	2.28	-
PK	10.48G	56.21	74.00	-17.79	17.20	3	V	159	2.28	-

802.11a_(6Mbps)_2TX

5240MHz_TX

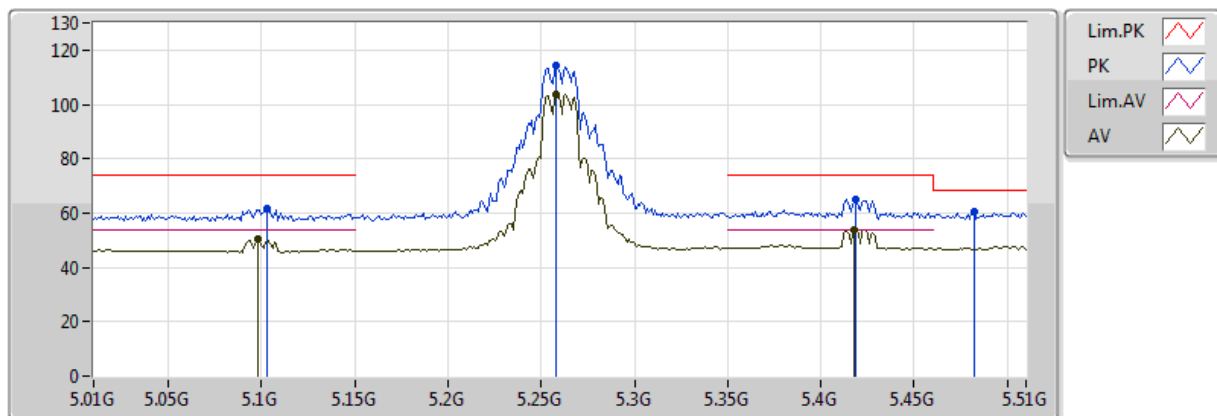


EUT=Z

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	45.15	54.00	-8.85	17.20	3	H	357	1.00	-
PK	10.48G	55.78	74.00	-18.22	17.20	3	H	357	1.00	-

802.11a_(6Mbps)_2TX

5260MHz_TX

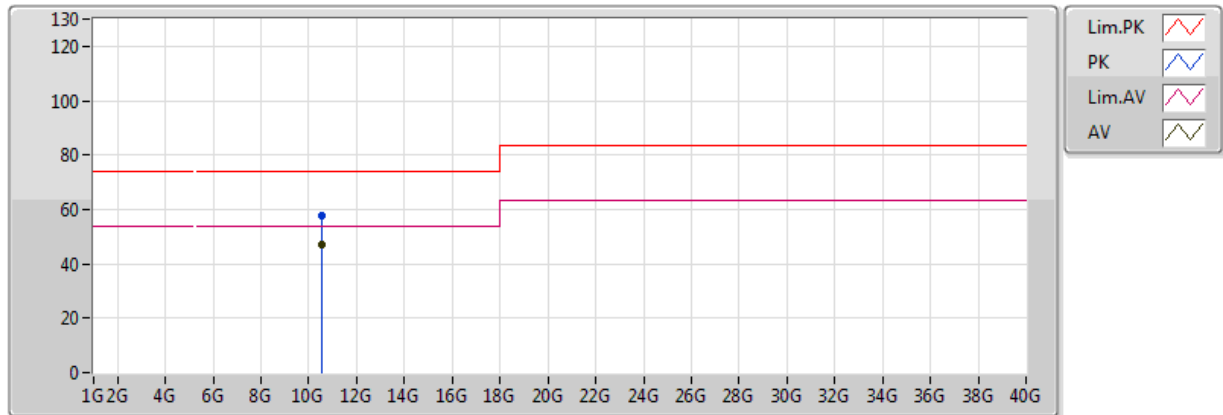


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.098G	50.41	54.00	-3.59	7.04	3	V	211	1.85	-
AV	5.258G	103.83	Inf	-Inf	7.39	3	V	211	1.85	-
AV	5.418G	53.81	54.00	-0.19	7.74	3	V	211	1.85	-
PK	5.103G	61.89	74.00	-12.11	7.05	3	V	211	1.85	-
PK	5.258G	114.19	Inf	-Inf	7.39	3	V	211	1.85	-
PK	5.419G	64.84	74.00	-9.16	7.84	3	V	211	1.85	-
PK	5.482G	60.29	68.20	-7.91	7.88	3	V	211	1.85	-

802.11a_(6Mbps)_2TX

5260MHz_TX

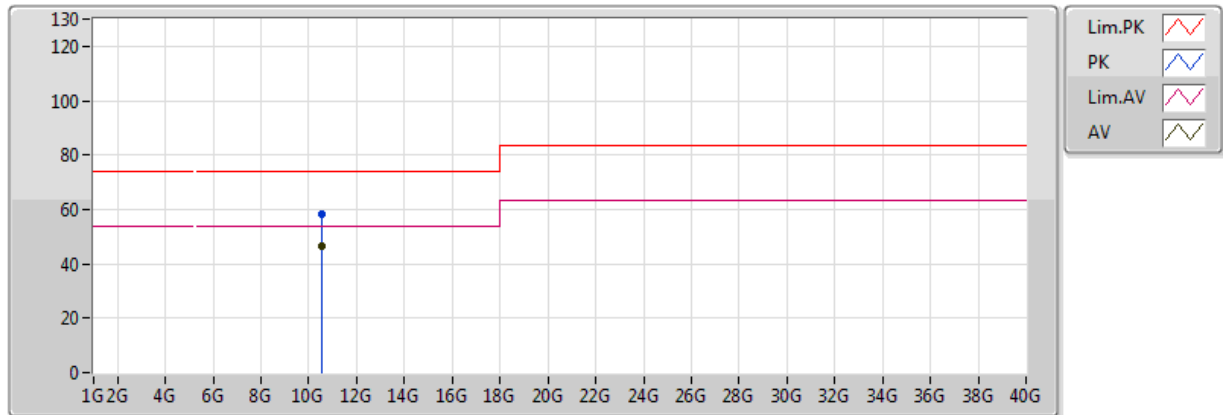


EUT=Z

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	47.00	54.00	-7.00	17.26	3	V	28	1.50	-
PK	10.52G	57.67	74.00	-16.33	17.26	3	V	28	1.50	-

802.11a_(6Mbps)_2TX

5260MHz_TX

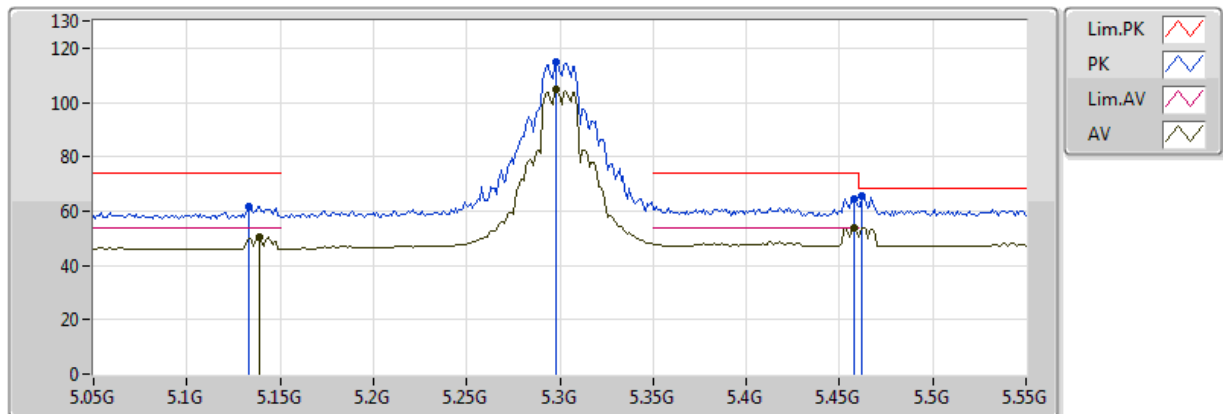


EUT=Z

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	46.62	54.00	-7.38	17.26	3	H	358	1.00	-
PK	10.52G	58.34	74.00	-15.66	17.26	3	H	358	1.00	-

802.11a_(6Mbps)_2TX

5300MHz_TX

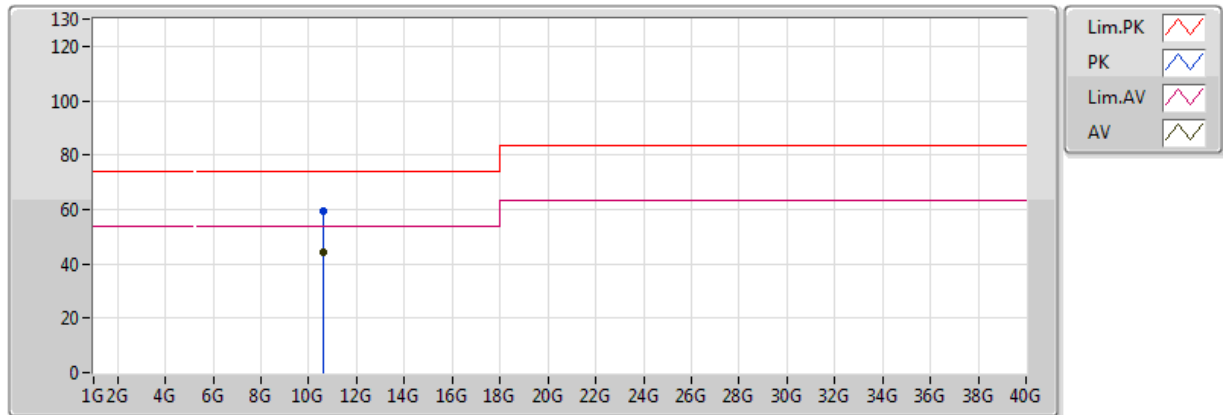


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.139G	50.67	54.00	-3.33	7.13	3	V	130	1.50	-
AV	5.298G	104.62	Inf	-Inf	7.48	3	V	130	1.50	-
AV	5.458G	53.92	54.00	-0.08	7.83	3	V	130	1.50	-
PK	5.133G	61.86	74.00	-12.14	7.11	3	V	130	1.50	-
PK	5.298G	114.65	Inf	-Inf	7.48	3	V	130	1.50	-
PK	5.458G	64.35	74.00	-9.65	7.83	3	V	130	1.50	-
PK	5.462G	65.43	68.20	-2.77	7.84	3	V	130	1.50	-

802.11a_(6Mbps)_2TX

5300MHz_TX

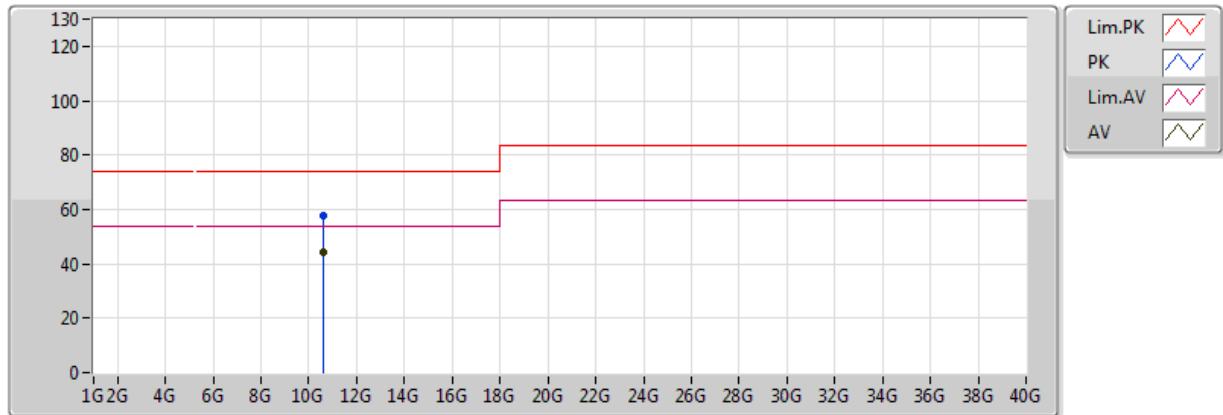


EUT=Z

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	44.50	54.00	-9.50	17.38	3	V	159	1.08	-
PK	10.6G	59.22	74.00	-14.78	17.38	3	V	159	1.08	-

802.11a_(6Mbps)_2TX

5300MHz_TX

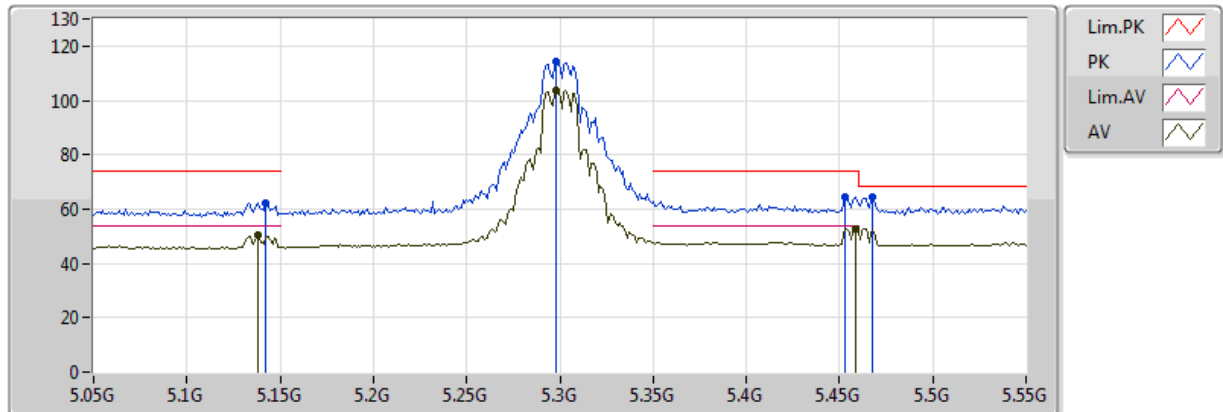


EUT=Z

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	44.19	54.00	-9.81	17.38	3	H	19	1.00	-
PK	10.6G	57.58	74.00	-16.42	17.38	3	H	19	1.00	-

802.11a_(6Mbps)_2TX

5320MHz_TX

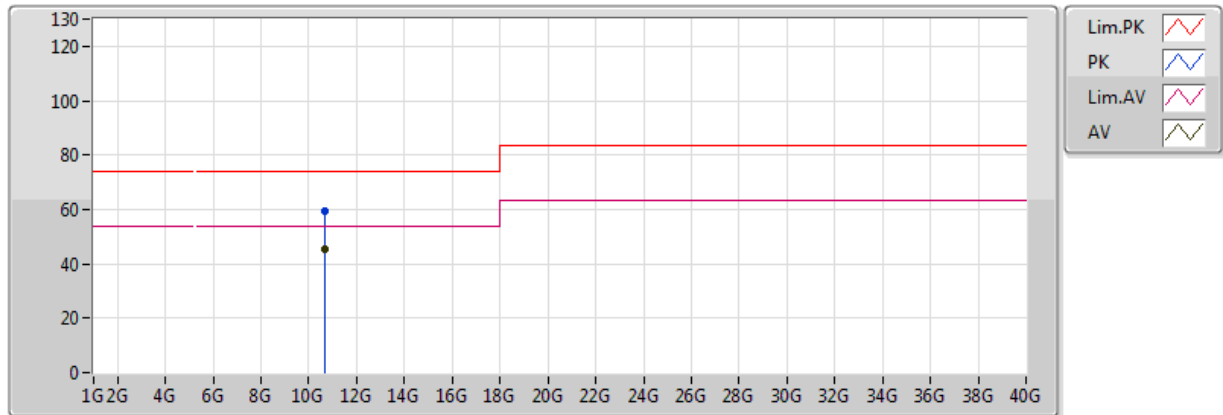


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.138G	50.47	54.00	-3.53	7.12	3	V	211	1.75	-
AV	5.298G	103.93	Inf	-Inf	7.48	3	V	211	1.75	-
AV	5.459G	52.94	54.00	-1.06	7.83	3	V	211	1.75	-
PK	5.142G	62.23	74.00	-11.77	7.13	3	V	211	1.75	-
PK	5.298G	114.23	Inf	-Inf	7.48	3	V	211	1.75	-
PK	5.453G	64.64	74.00	-9.36	7.82	3	V	211	1.75	-
PK	5.468G	64.52	68.20	-3.68	7.85	3	V	211	1.75	-

802.11a_(6Mbps)_2TX

5320MHz_TX

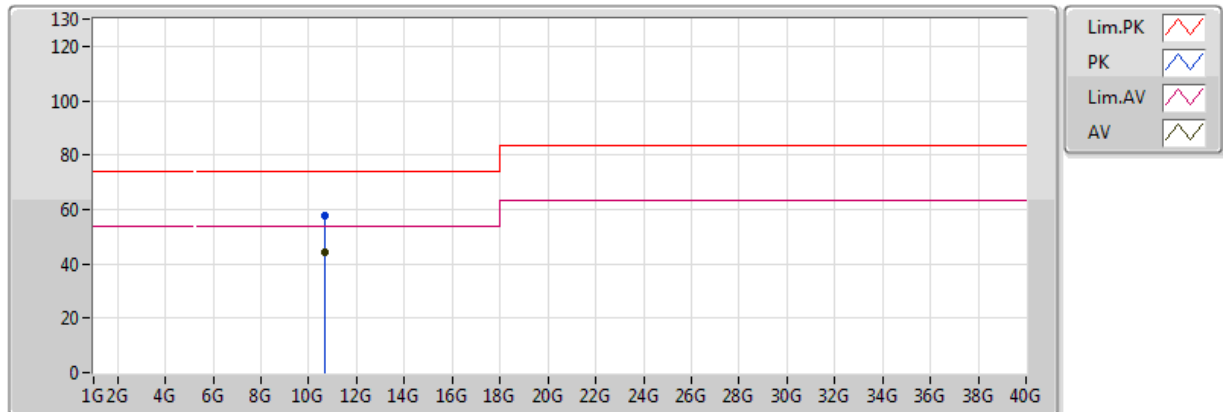


EUT=Z

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	45.18	54.00	-8.82	17.45	3	V	359	1.03	-
PK	10.64G	59.12	74.00	-14.88	17.45	3	V	359	1.03	-

802.11a_(6Mbps)_2TX

5320MHz_TX

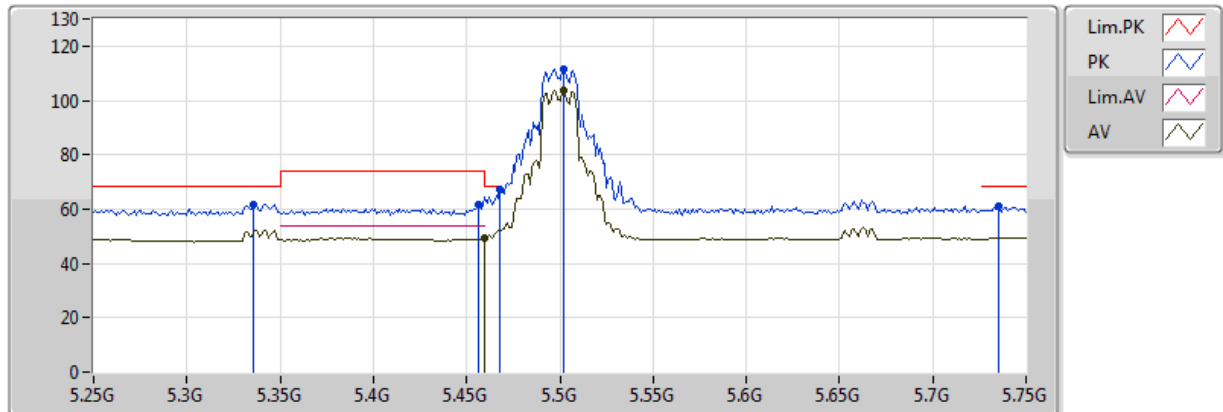


EUT=Z

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	44.35	54.00	-9.65	17.45	3	H	19	1.01	-
PK	10.64G	57.70	74.00	-16.30	17.45	3	H	19	1.01	-

802.11a_(6Mbps)_2TX

5500MHz_TX

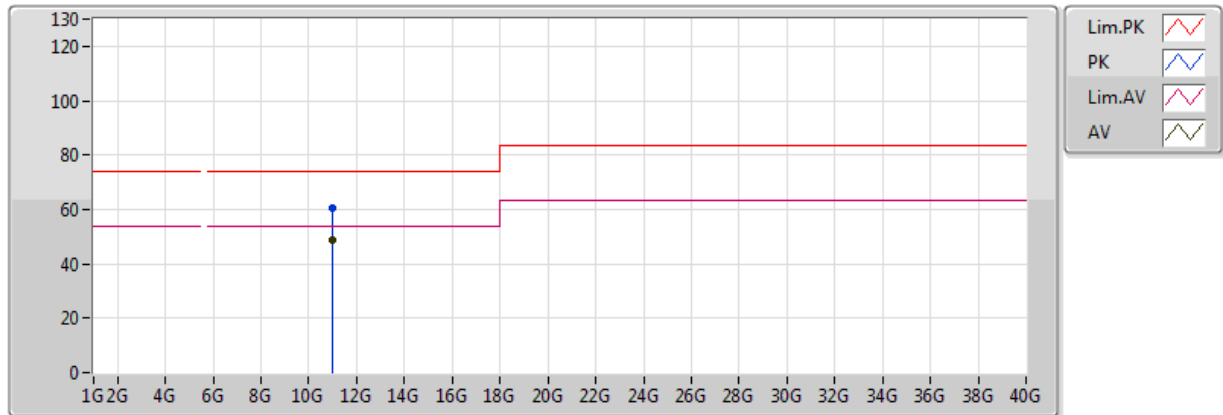


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	49.50	54.00	-4.50	7.83	3	V	273	1.43	-
AV	5.502G	103.85	Inf	-Inf	7.92	3	V	273	1.43	-
PK	5.336G	61.67	68.20	-6.53	7.56	3	V	273	1.43	-
PK	5.456G	61.49	74.00	-12.51	7.82	3	V	273	1.43	-
PK	5.468G	67.37	68.20	-0.83	7.85	3	V	273	1.43	-
PK	5.502G	111.49	Inf	-Inf	7.92	3	V	273	1.43	-
PK	5.735G	61.19	68.20	-7.01	8.30	3	V	273	1.43	-

802.11a_(6Mbps)_2TX

5500MHz_TX

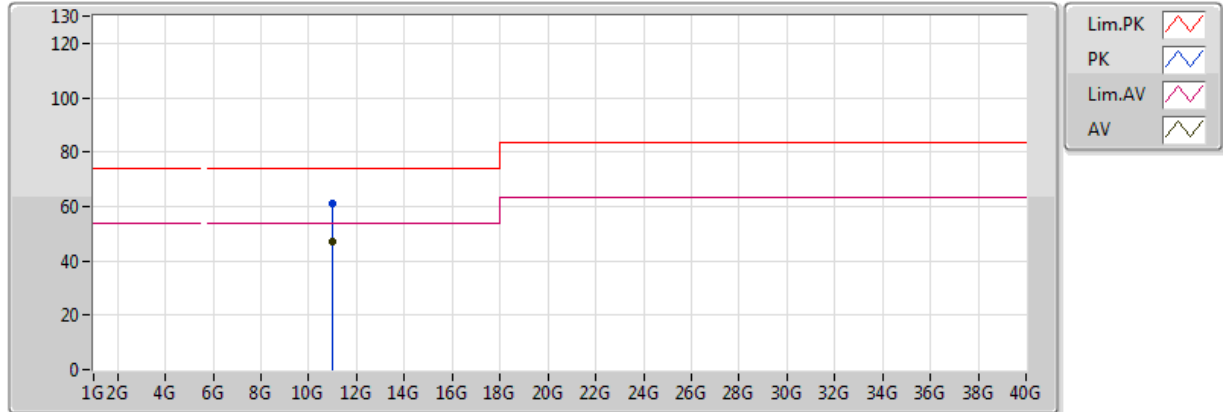


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	48.50	54.00	-5.50	18.00	3	V	320	1.09	-
PK	11G	60.54	74.00	-13.46	18.00	3	V	320	1.09	-

802.11a_(6Mbps)_2TX

5500MHz_TX

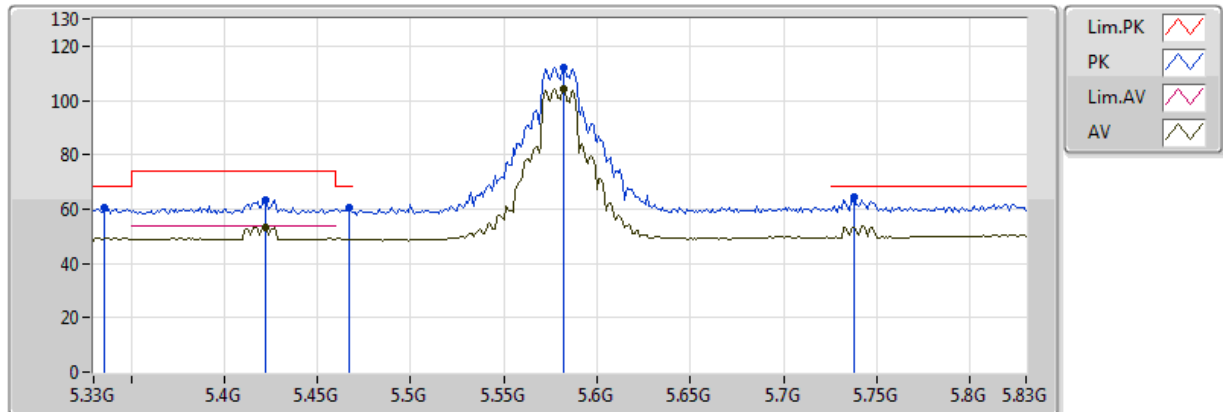


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	46.94	54.00	-7.06	18.00	3	H	12	1.01	-
PK	11G	61.04	74.00	-12.96	18.00	3	H	12	1.01	-

802.11a_(6Mbps)_2TX

5580MHz_TX

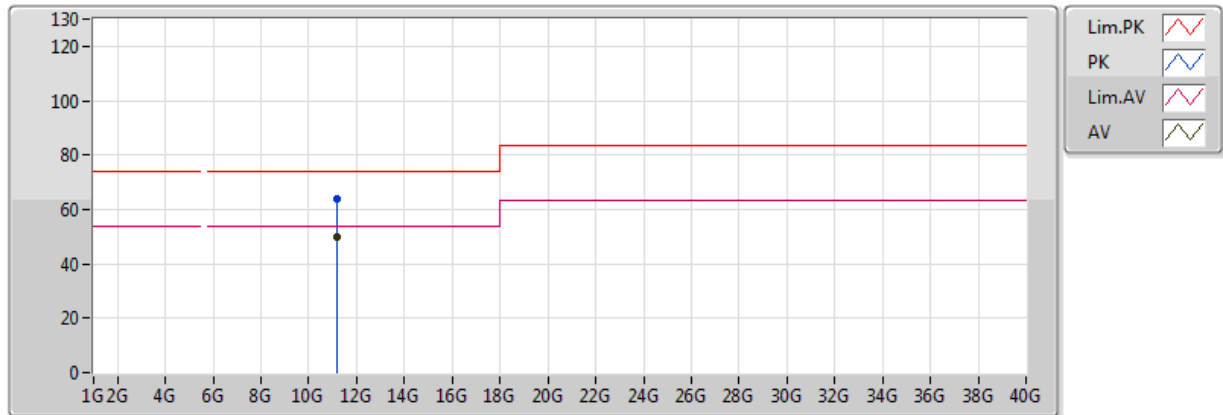


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.422G	53.50	54.00	-0.50	7.75	3	V	271	1.50	-
AV	5.582G	104.20	Inf	-Inf	8.05	3	V	271	1.50	-
PK	5.336G	60.43	68.20	-7.77	7.56	3	V	271	1.50	-
PK	5.422G	63.45	74.00	-10.55	7.85	3	V	271	1.50	-
PK	5.467G	60.52	68.20	-7.68	7.85	3	V	271	1.50	-
PK	5.582G	112.20	Inf	-Inf	8.05	3	V	271	1.50	-
PK	5.738G	64.17	68.20	-4.03	8.30	3	V	271	1.50	-

802.11a_(6Mbps)_2TX

5580MHz_TX

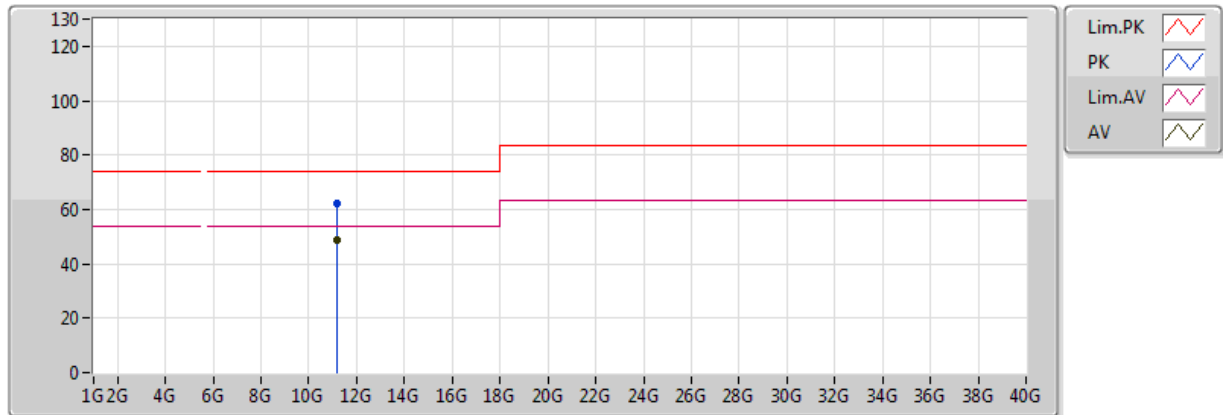


EUT=Z

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	49.78	54.00	-4.22	17.89	3	V	186	1.28	-
PK	11.16G	64.02	74.00	-9.98	17.89	3	V	186	1.28	-

802.11a_(6Mbps)_2TX

5580MHz_TX

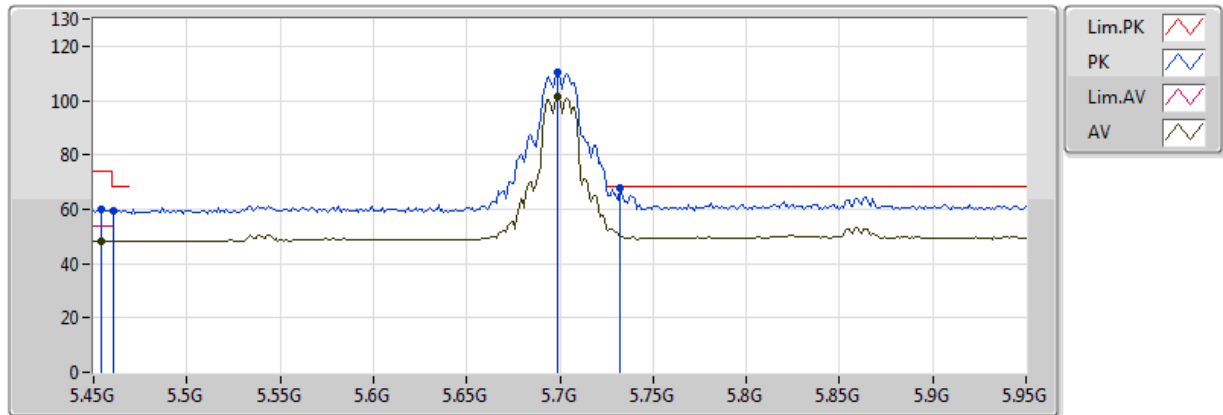


EUT=Z

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	48.78	54.00	-5.22	17.89	3	H	0	2.38	-
PK	11.16G	62.21	74.00	-11.79	17.89	3	H	0	2.38	-

802.11a_(6Mbps)_2TX

5700MHz_TX

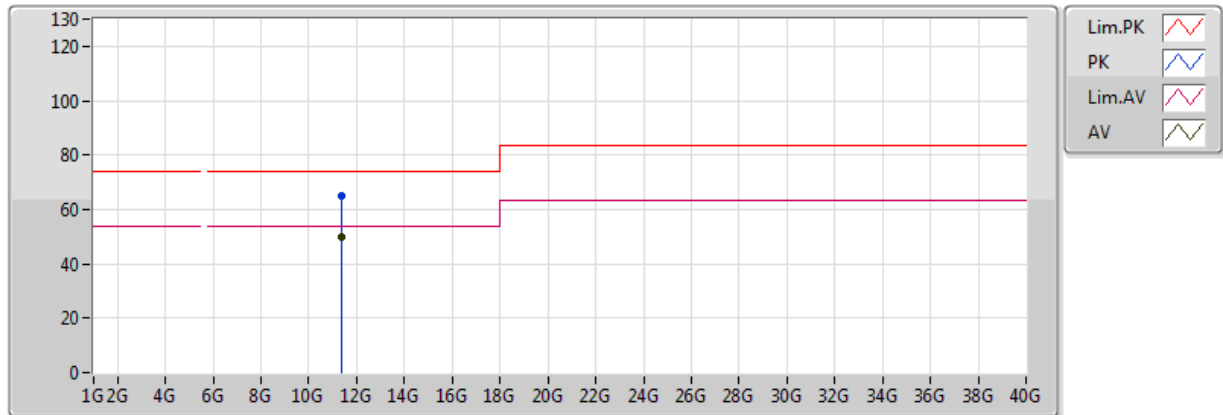


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.454G	48.46	54.00	-5.54	7.82	3	V	194	2.27	-
AV	5.699G	101.31	Inf	-Inf	8.24	3	V	194	2.27	-
PK	5.454G	60.14	74.00	-13.86	7.82	3	V	194	2.27	-
PK	5.461G	59.53	68.20	-8.67	7.83	3	V	194	2.27	-
PK	5.699G	110.11	Inf	-Inf	8.24	3	V	194	2.27	-
PK	5.732G	67.60	68.20	-0.60	8.29	3	V	194	2.27	-

802.11a_(6Mbps)_2TX

5700MHz_TX

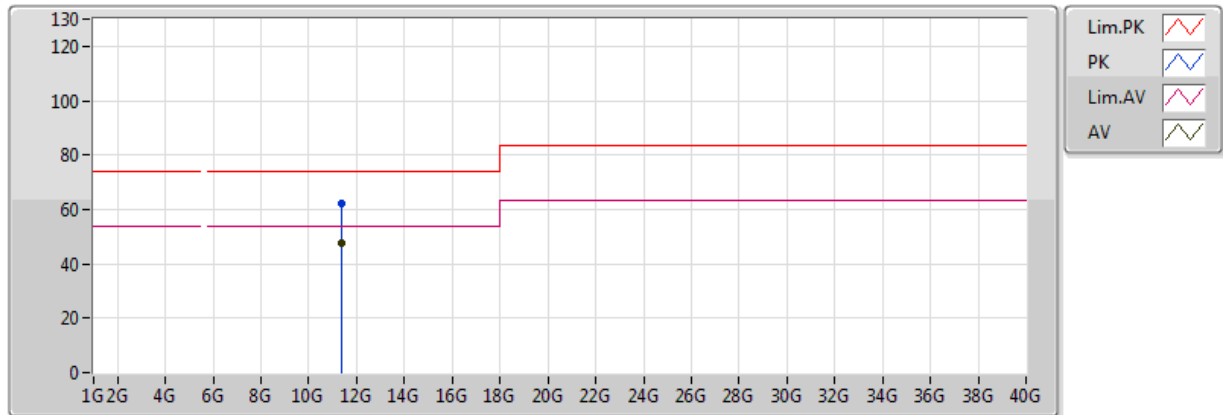


EUT=Z

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	49.76	54.00	-4.24	17.74	3	V	343	1.01	-
PK	11.4G	65.08	74.00	-8.92	17.74	3	V	343	1.01	-

802.11a_(6Mbps)_2TX

5700MHz_TX

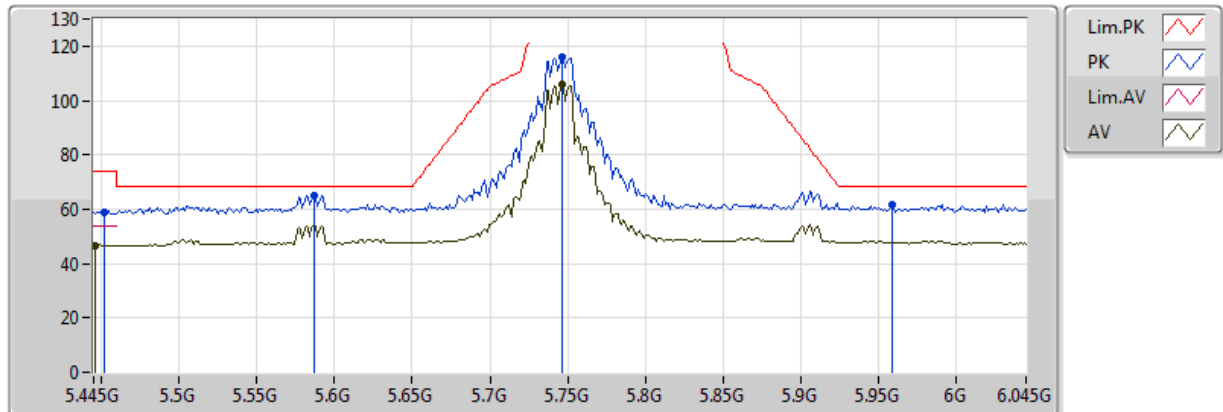


EUT=Z

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	47.79	54.00	-6.21	17.74	3	H	326	1.02	-
PK	11.4G	62.39	74.00	-11.61	17.74	3	H	326	1.02	-

802.11a_(6Mbps)_2TX

5745MHz_TX

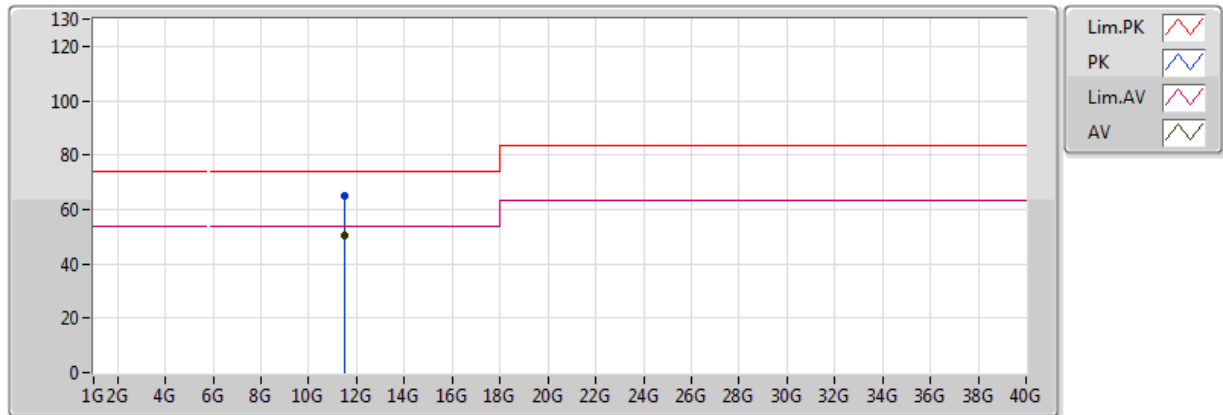


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4462G	46.64	54.00	-7.36	7.80	3	V	131	2.15	-
AV	5.7462G	106.00	Inf	-Inf	8.32	3	V	131	2.15	-
PK	5.4522G	59.01	74.00	-14.99	7.81	3	V	131	2.15	-
PK	5.5866G	65.25	68.20	-2.95	8.06	3	V	131	2.15	-
PK	5.7462G	116.12	Inf	-Inf	8.32	3	V	131	2.15	-
PK	5.9586G	61.39	68.20	-6.81	8.66	3	V	131	2.15	-

802.11a_(6Mbps)_2TX

5745MHz_TX

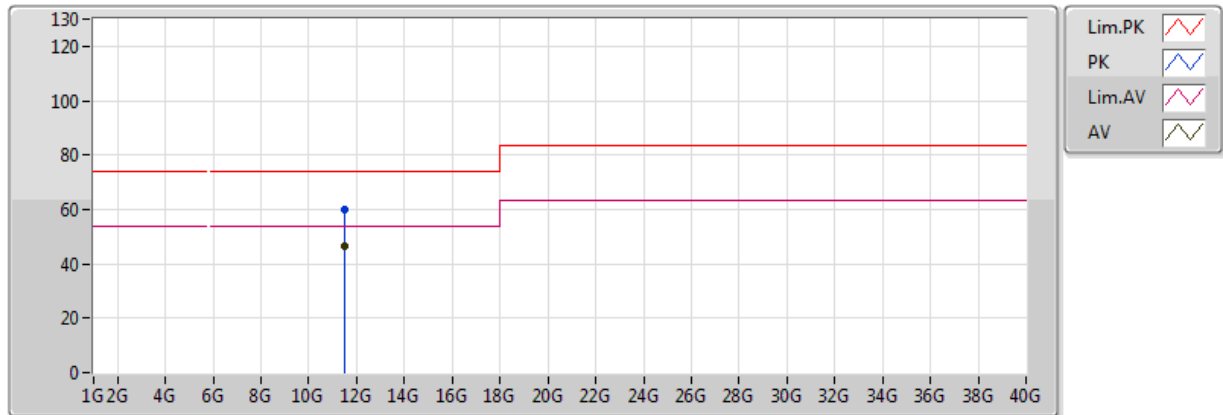


EUT=Z

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	50.43	54.00	-3.57	13.26	3	V	347	1.01	-
PK	11.49G	64.80	74.00	-9.20	13.26	3	V	347	1.01	-

802.11a_(6Mbps)_2TX

5745MHz_TX

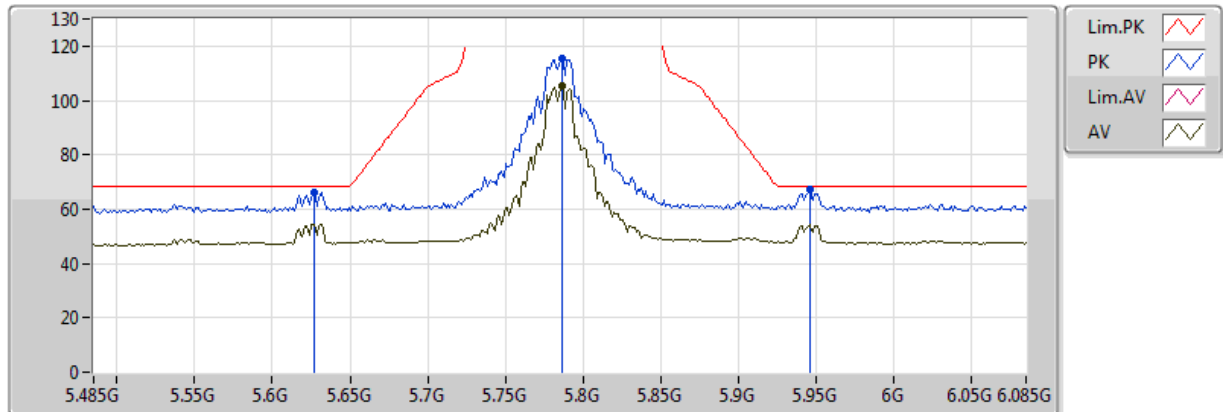


EUT=Z

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	46.52	54.00	-7.48	13.26	3	H	334	1.08	-
PK	11.49G	60.02	74.00	-13.98	13.26	3	H	334	1.08	-

802.11a_(6Mbps)_2TX

5785MHz_TX

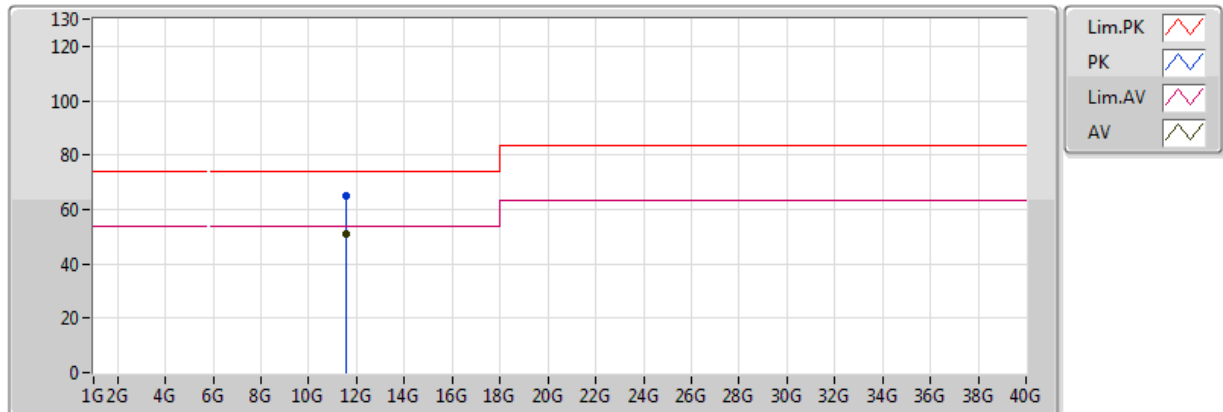


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7862G	105.39	Inf	-Inf	8.39	3	V	129	2.20	-
PK	5.6266G	66.34	68.20	-1.86	8.12	3	V	129	2.20	-
PK	5.7862G	115.55	Inf	-Inf	8.39	3	V	129	2.20	-
PK	5.9458G	67.29	68.20	-0.91	8.64	3	V	129	2.20	-

802.11a_(6Mbps)_2TX

5785MHz_TX

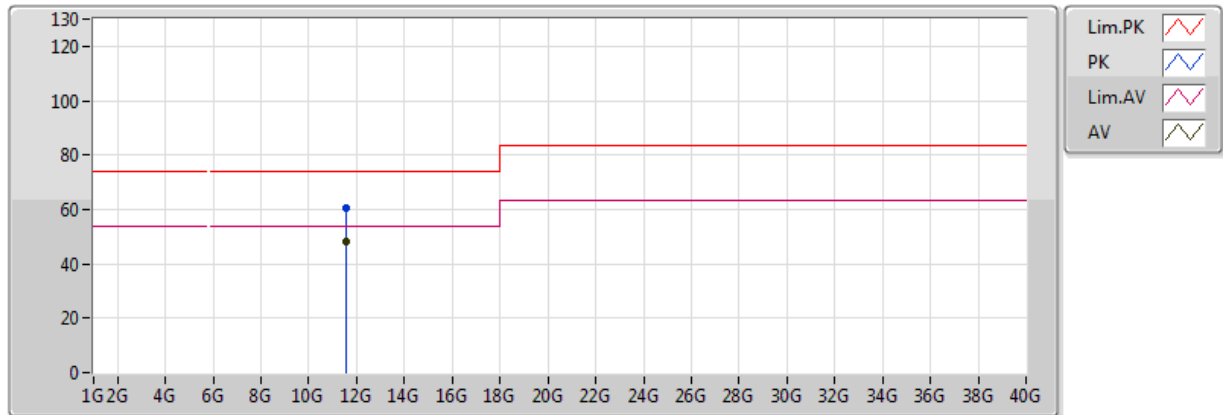


EUT=Z

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	50.89	54.00	-3.11	12.14	3	V	345	1.03	-
PK	11.57G	65.27	74.00	-8.73	12.14	3	V	345	1.03	-

802.11a_(6Mbps)_2TX

5785MHz_TX

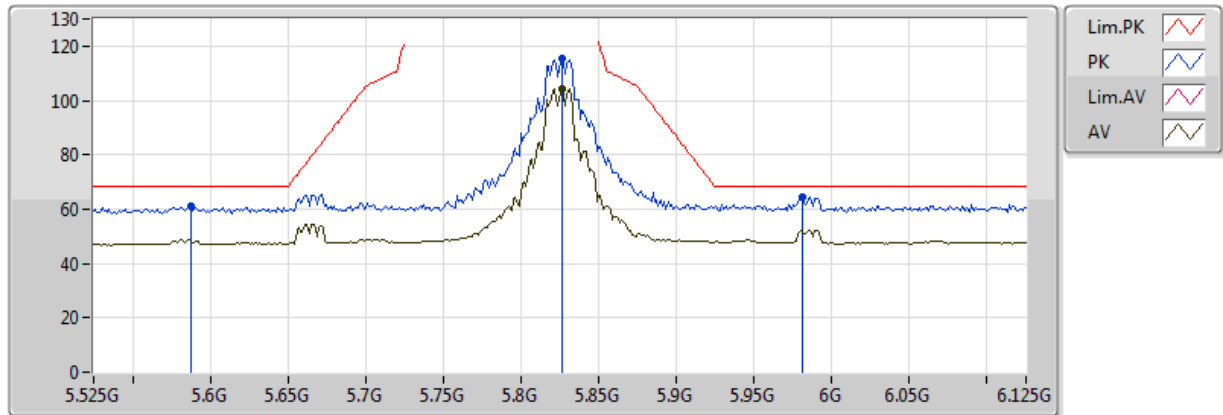


EUT=Z

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	47.93	54.00	-6.07	12.14	3	H	334	1.04	-
PK	11.57G	60.74	74.00	-13.26	12.14	3	H	334	1.04	-

802.11a_(6Mbps)_2TX

5825MHz_TX

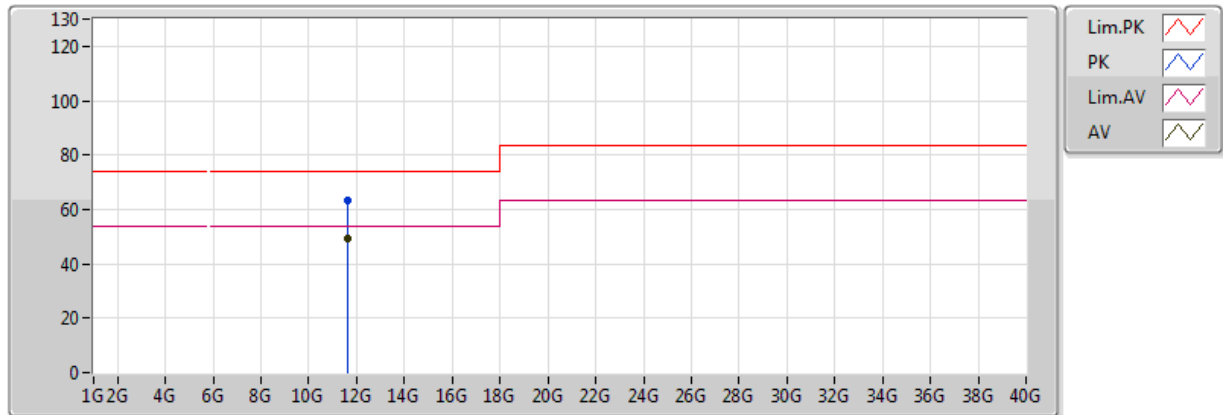


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8262G	104.27	Inf	-Inf	8.45	3	V	132	1.96	-
PK	5.5874G	60.80	68.20	-7.40	8.06	3	V	132	1.96	-
PK	5.8262G	115.31	Inf	-Inf	8.45	3	V	132	1.96	-
PK	5.981G	64.62	68.20	-3.58	8.70	3	V	132	1.96	-

802.11a_(6Mbps)_2TX

5825MHz_TX

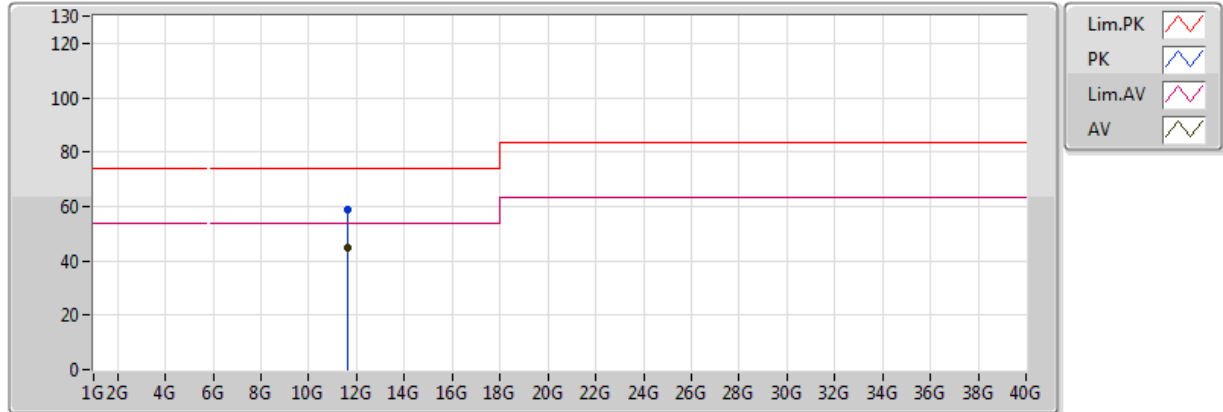


EUT=Z

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	49.07	54.00	-4.93	12.24	3	V	343	1.00	-
PK	11.65G	63.13	74.00	-10.87	12.24	3	V	343	1.00	-

802.11a_(6Mbps)_2TX

5825MHz_TX

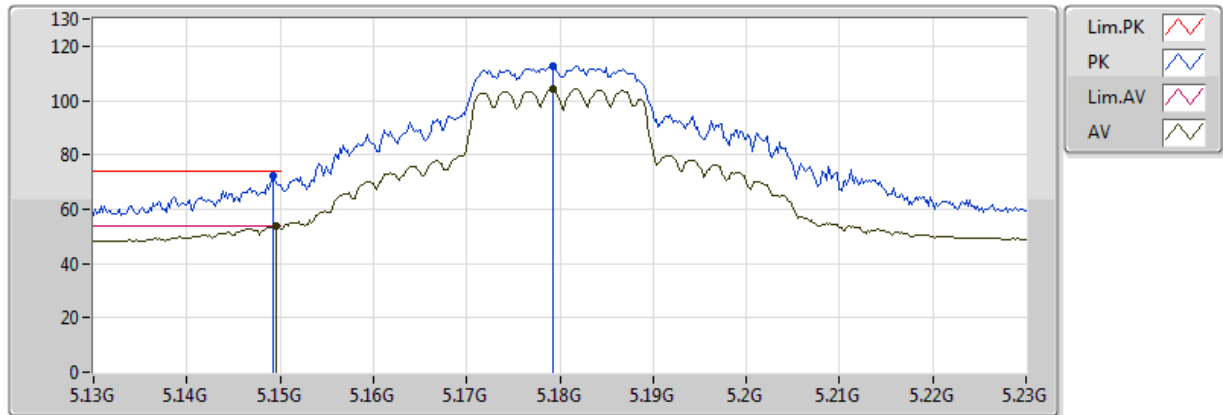


EUT=Z

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	45.10	54.00	-8.90	12.24	3	H	333	2.31	-
PK	11.65G	58.75	74.00	-15.25	12.24	3	H	333	2.31	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

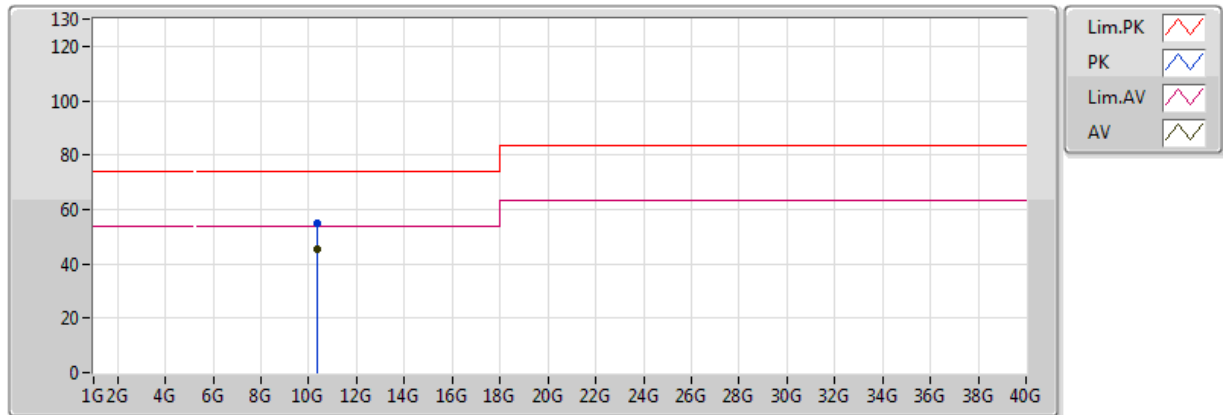


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	53.64	54.00	-0.36	7.15	3	V	131	1.88	-
AV	5.1792G	104.17	Inf	-Inf	7.21	3	V	131	1.88	-
PK	5.1492G	72.04	74.00	-1.96	7.15	3	V	131	1.88	-
PK	5.1792G	112.52	Inf	-Inf	7.21	3	V	131	1.88	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

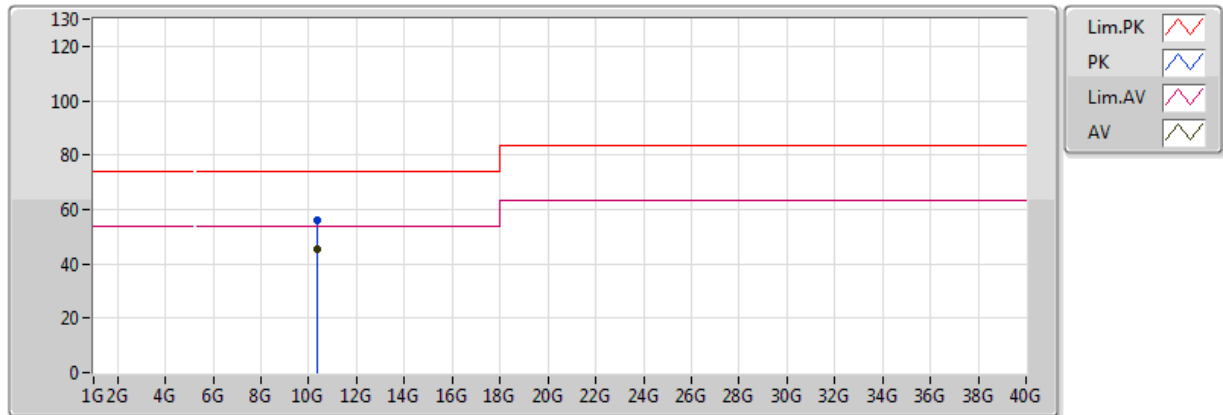


EUT=Z

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	45.60	54.00	-8.40	17.01	3	V	0	1.01	-
PK	10.36G	54.72	74.00	-19.28	17.01	3	V	0	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

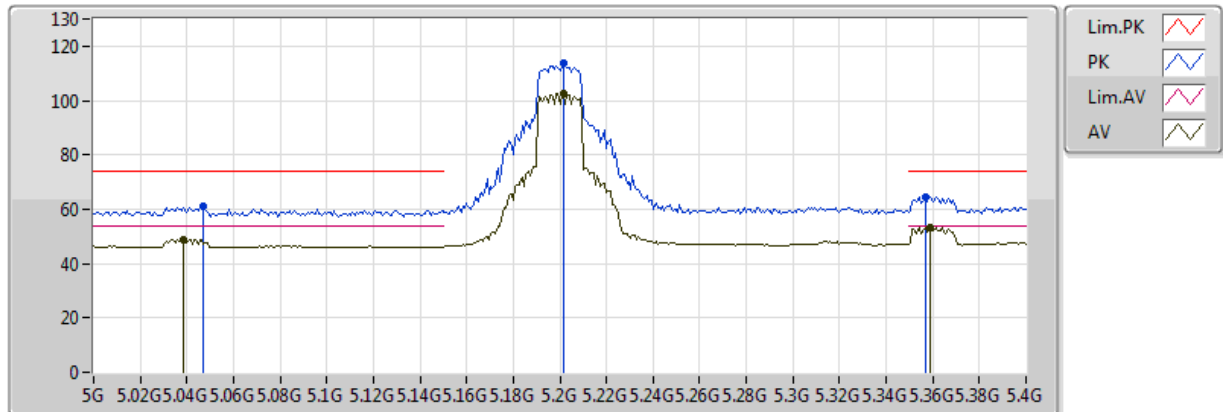


EUT=Z

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	45.50	54.00	-8.50	17.01	3	H	360	1.04	-
PK	10.36G	56.00	74.00	-18.00	17.01	3	H	360	1.04	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

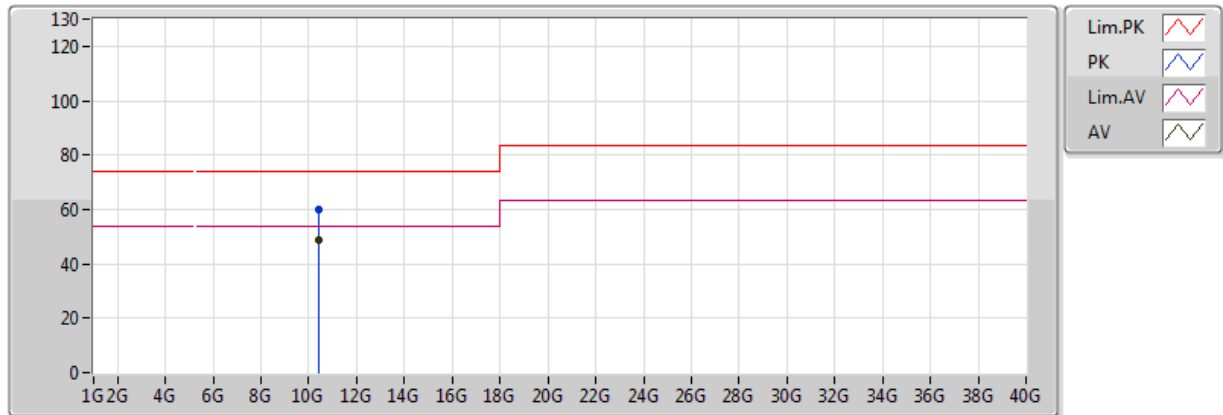


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.0384G	48.87	54.00	-5.13	6.90	3	V	208	1.80	-
AV	5.2016G	102.62	Inf	-Inf	7.26	3	V	208	1.80	-
AV	5.3592G	53.51	54.00	-0.49	7.61	3	V	208	1.80	-
PK	5.0472G	60.82	74.00	-13.18	6.92	3	V	208	1.80	-
PK	5.2016G	113.80	Inf	-Inf	7.26	3	V	208	1.80	-
PK	5.3568G	64.71	74.00	-9.29	7.60	3	V	208	1.80	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

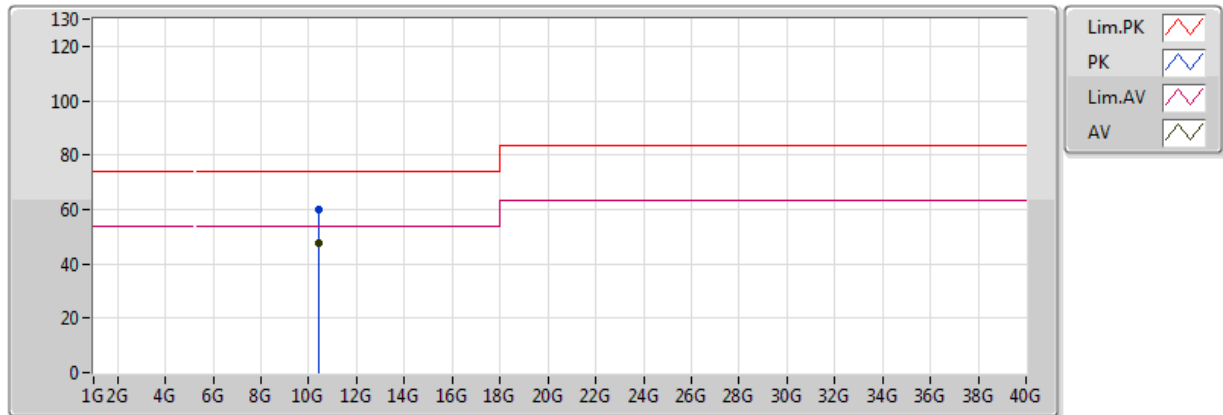


EUT=Z

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	49.01	54.00	-4.99	17.08	3	V	0	1.00	-
PK	10.4G	59.95	74.00	-14.05	17.08	3	V	0	1.00	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

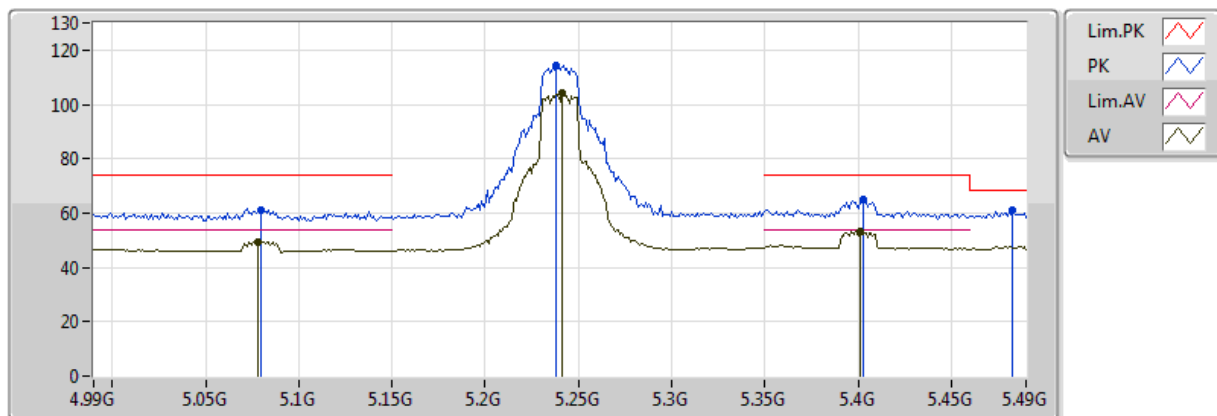


EUT=Z

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	47.52	54.00	-6.48	17.08	3	H	358	1.00	-
PK	10.4G	59.90	74.00	-14.10	17.08	3	H	358	1.00	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

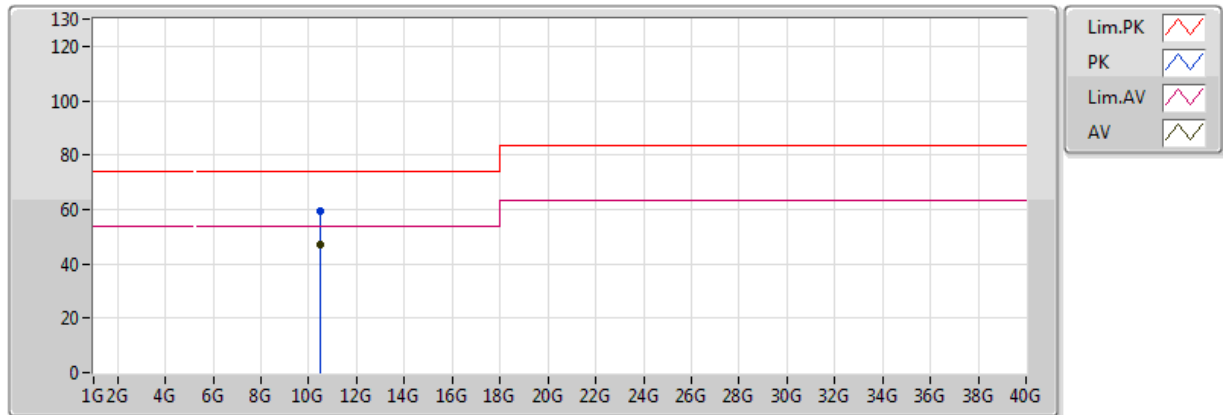


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.078G	49.55	54.00	-4.45	6.99	3	V	207	1.67	-
AV	5.241G	103.95	Inf	-Inf	7.35	3	V	207	1.67	-
AV	5.401G	53.36	54.00	-0.64	7.70	3	V	207	1.67	-
PK	5.08G	61.33	74.00	-12.67	7.00	3	V	207	1.67	-
PK	5.238G	114.26	Inf	-Inf	7.34	3	V	207	1.67	-
PK	5.403G	64.90	74.00	-9.10	NaN	3	V	207	1.67	-
PK	5.483G	61.19	68.20	-7.01	7.88	3	V	207	1.67	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

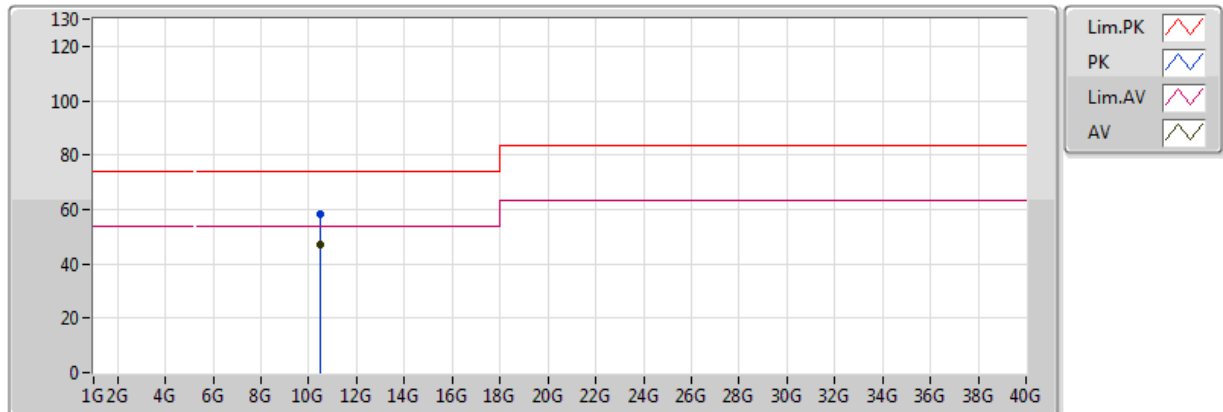


EUT=Z

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	47.20	54.00	-6.80	17.20	3	V	161	2.17	-
PK	10.48G	59.18	74.00	-14.82	17.20	3	V	161	2.17	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

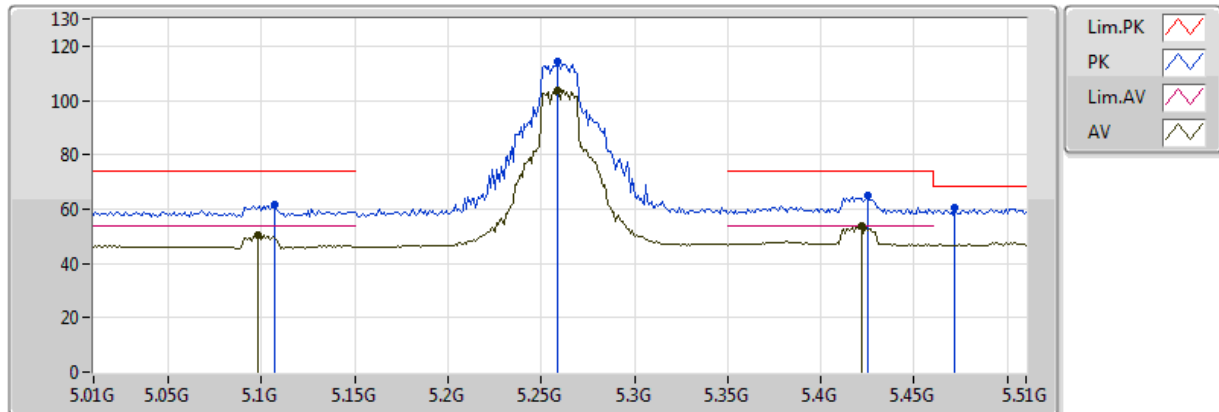


EUT=Z

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	46.83	54.00	-7.17	17.20	3	H	358	1.00	-
PK	10.48G	58.42	74.00	-15.58	17.20	3	H	358	1.00	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

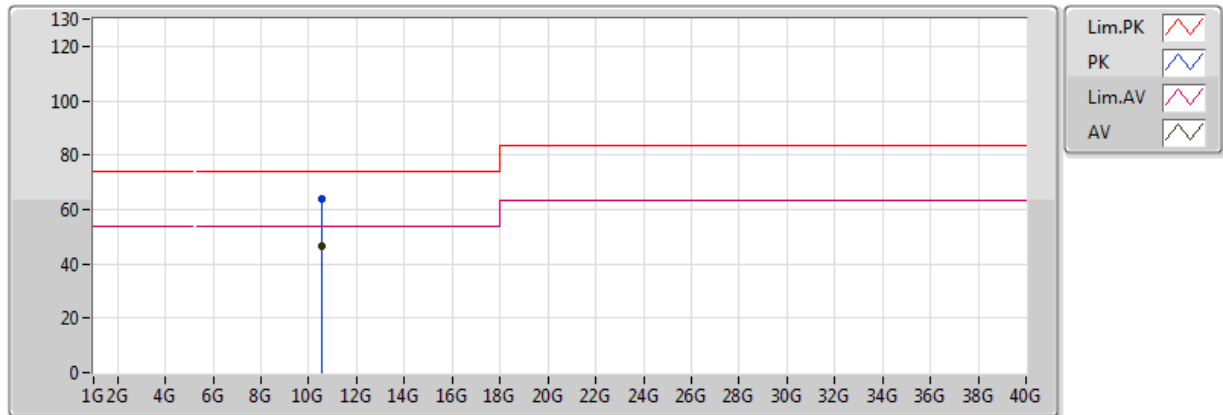


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.098G	50.21	54.00	-3.79	7.04	3	V	209	1.86	-
AV	5.259G	103.42	Inf	-Inf	7.39	3	V	209	1.86	-
AV	5.422G	53.52	54.00	-0.48	7.75	3	V	209	1.86	-
PK	5.107G	61.63	74.00	-12.37	7.06	3	V	209	1.86	-
PK	5.259G	114.10	Inf	-Inf	7.39	3	V	209	1.86	-
PK	5.425G	64.79	74.00	-9.21	7.86	3	V	209	1.86	-
PK	5.472G	60.56	68.20	-7.64	7.86	3	V	209	1.86	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

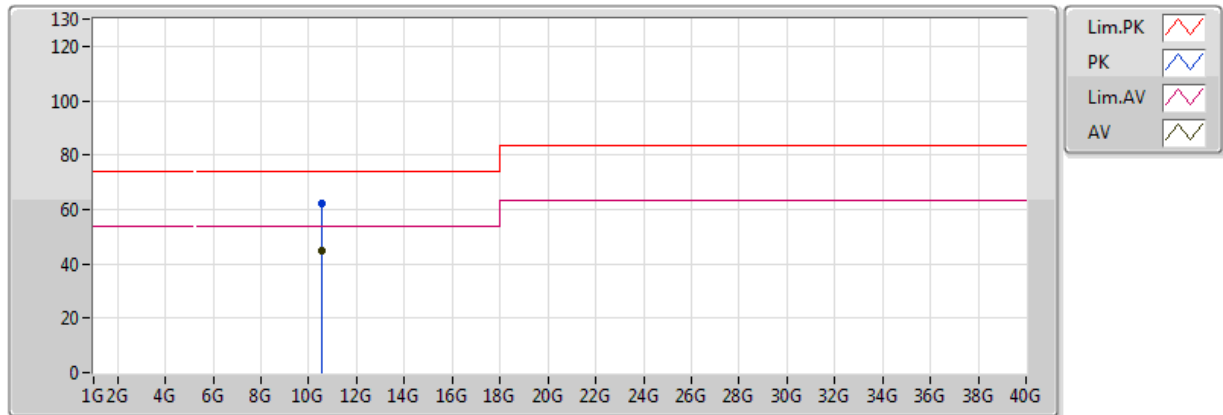


EUT=Z

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	46.27	54.00	-7.73	17.26	3	V	360	1.00	-
PK	10.52G	63.85	74.00	-10.15	17.26	3	V	360	1.00	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz_TX

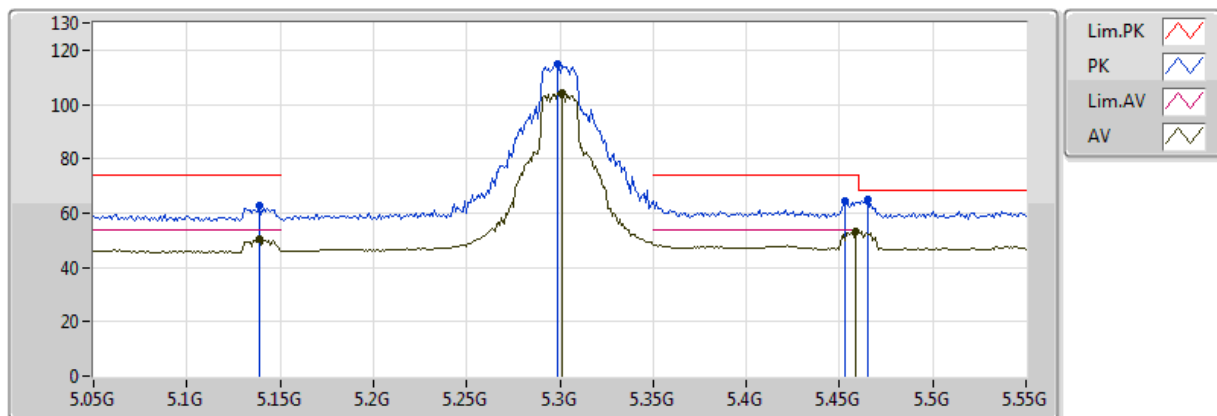


EUT=Z

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	44.55	54.00	-9.45	17.26	3	H	359	1.39	-
PK	10.52G	62.37	74.00	-11.63	17.26	3	H	359	1.39	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

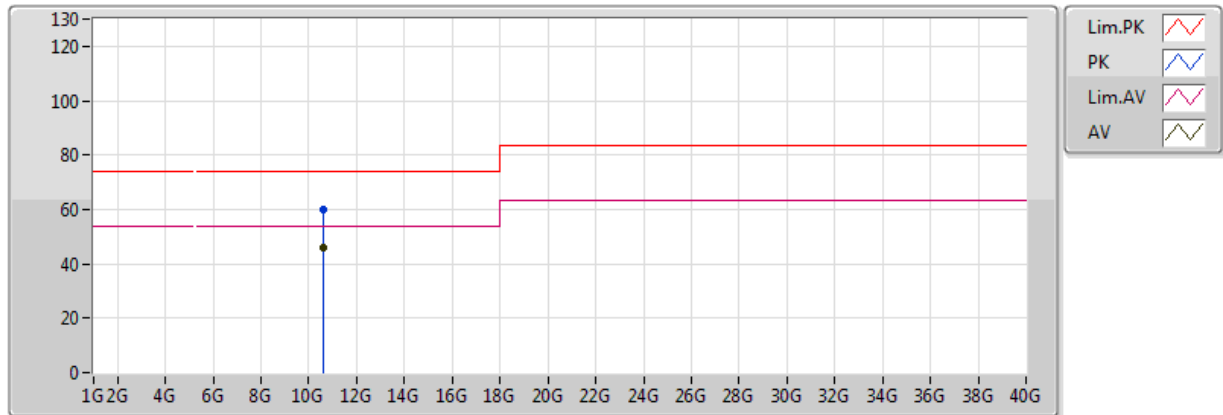


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.139G	50.40	54.00	-3.60	7.13	3	V	234	1.91	-
AV	5.301G	104.17	Inf	-Inf	7.48	3	V	234	1.91	-
AV	5.459G	53.28	54.00	-0.72	7.83	3	V	234	1.91	-
PK	5.139G	63.01	74.00	-10.99	7.13	3	V	234	1.91	-
PK	5.299G	114.79	Inf	-Inf	7.48	3	V	234	1.91	-
PK	5.453G	64.31	74.00	-9.69	7.82	3	V	234	1.91	-
PK	5.465G	65.15	68.20	-3.05	7.84	3	V	234	1.91	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

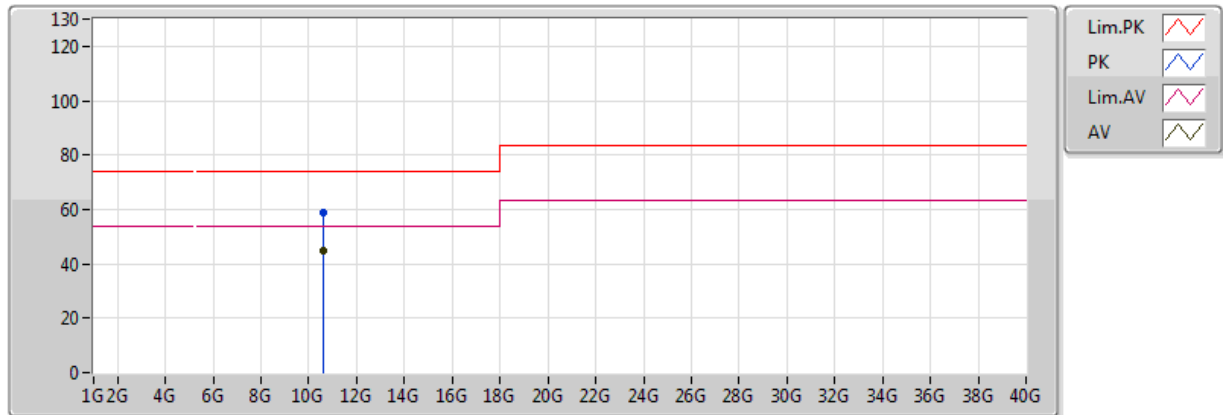


EUT=Z

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	45.68	54.00	-8.32	17.38	3	V	159	1.13	-
PK	10.6G	59.75	74.00	-14.25	17.38	3	V	159	1.13	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5300MHz_TX

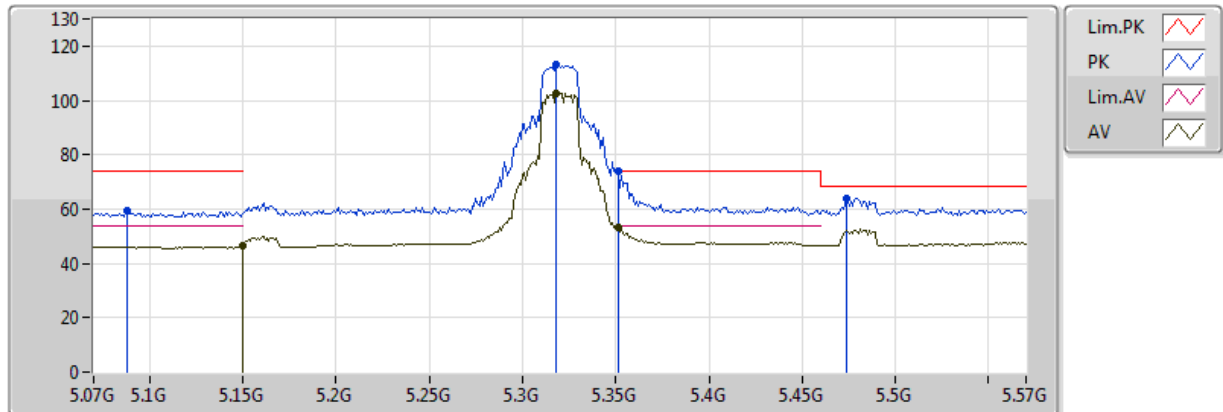


EUT=Z

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	44.80	54.00	-9.20	17.38	3	H	358	1.02	-
PK	10.6G	58.91	74.00	-15.09	17.38	3	H	358	1.02	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

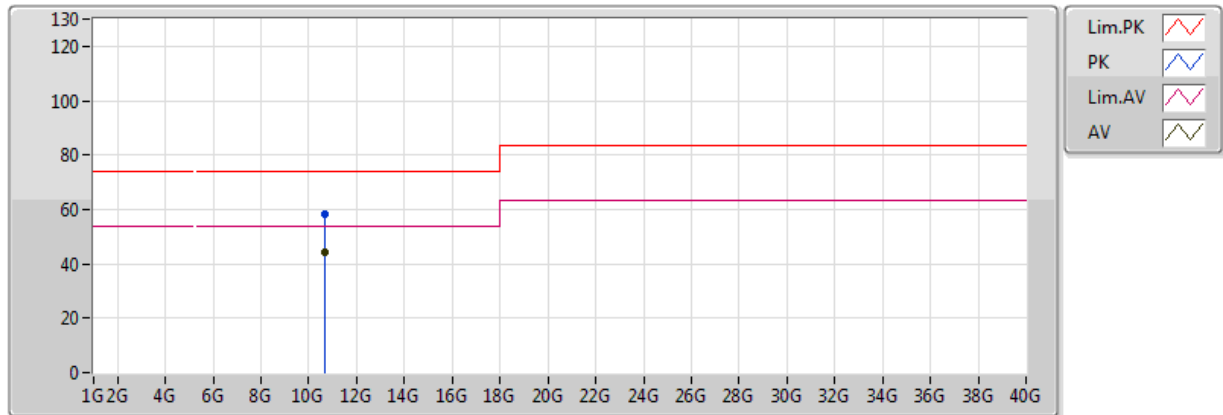


EUT=Z

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	46.38	54.00	-7.62	7.15	3	V	226	1.85	-
AV	5.318G	102.74	Inf	-Inf	7.52	3	V	226	1.85	-
AV	5.351G	53.16	54.00	-0.84	7.59	3	V	226	1.85	-
PK	5.088G	59.42	74.00	-14.58	7.01	3	V	226	1.85	-
PK	5.318G	112.99	Inf	-Inf	7.52	3	V	226	1.85	-
PK	5.351G	73.84	74.00	-0.16	7.59	3	V	226	1.85	-
PK	5.474G	63.81	68.20	-4.39	NaN	3	V	226	1.85	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

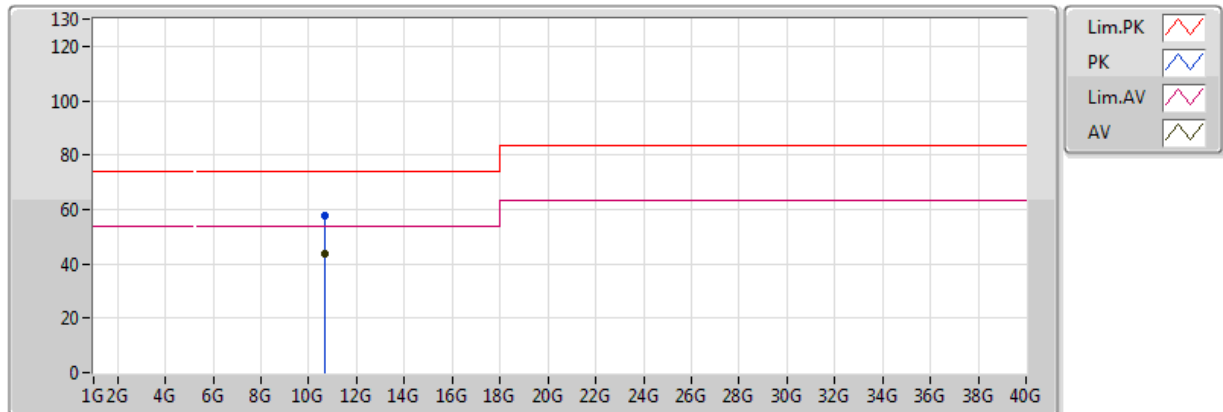


EUT=Z

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	44.27	54.00	-9.73	17.45	3	V	158	2.20	-
PK	10.64G	58.12	74.00	-15.88	17.45	3	V	158	2.20	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5320MHz_TX

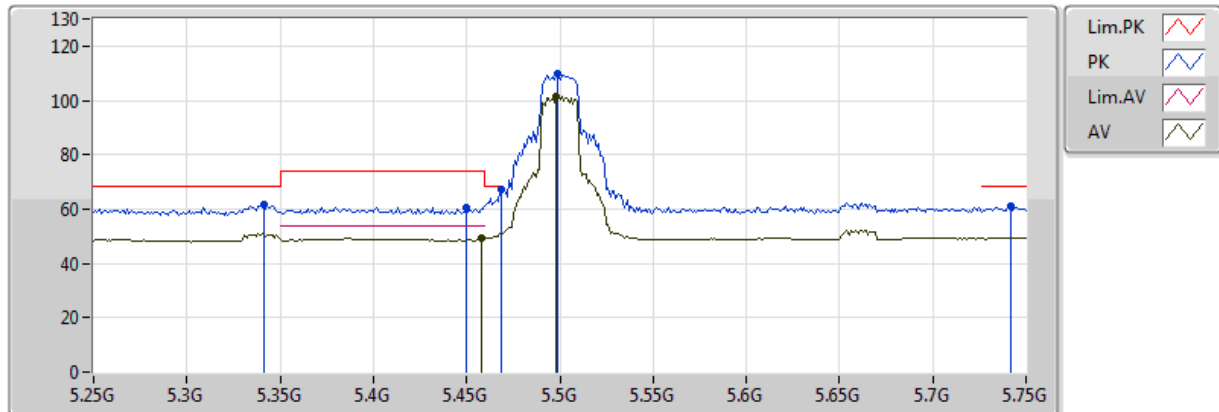


EUT=Z

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	43.58	54.00	-10.42	17.45	3	H	120	1.50	-
PK	10.64G	57.59	74.00	-16.41	17.45	3	H	120	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

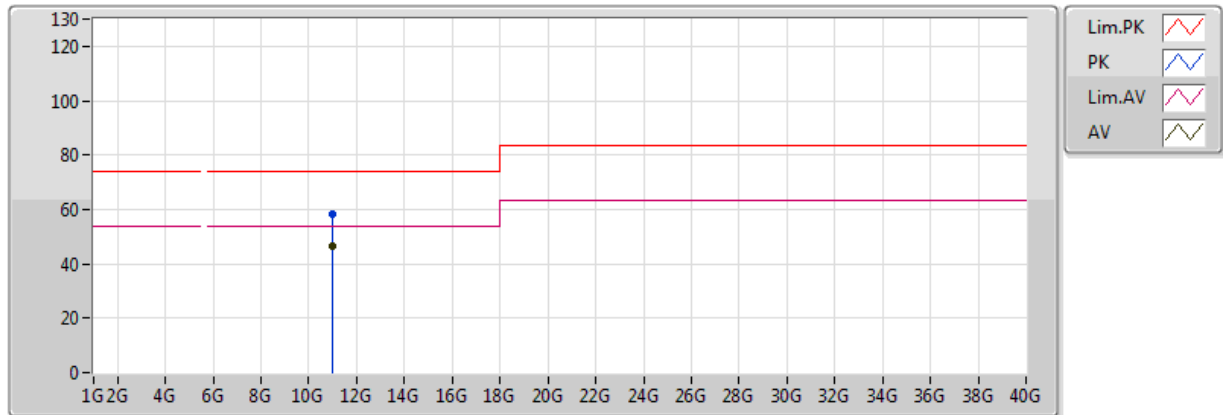


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	49.10	54.00	-4.90	7.83	3	V	275	1.50	-
AV	5.498G	101.56	Inf	-Inf	7.92	3	V	275	1.50	-
PK	5.341G	61.78	68.20	-6.42	7.57	3	V	275	1.50	-
PK	5.45G	60.44	74.00	-13.56	7.81	3	V	275	1.50	-
PK	5.469G	67.35	68.20	-0.85	7.85	3	V	275	1.50	-
PK	5.499G	109.80	Inf	-Inf	7.92	3	V	275	1.50	-
PK	5.742G	60.87	68.20	-7.33	8.31	3	V	275	1.50	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

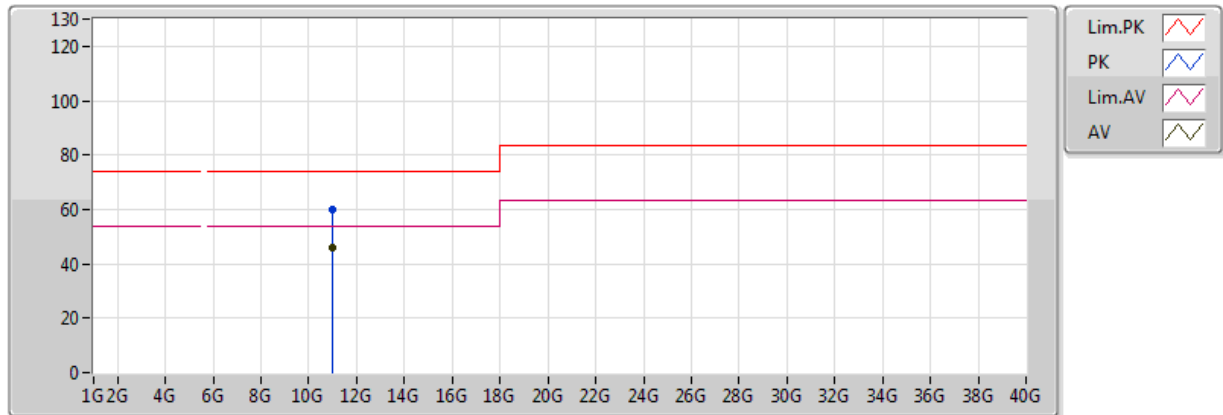


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	46.26	54.00	-7.74	18.00	3	V	336	1.20	-
PK	11G	58.31	74.00	-15.69	18.00	3	V	336	1.20	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5500MHz_TX

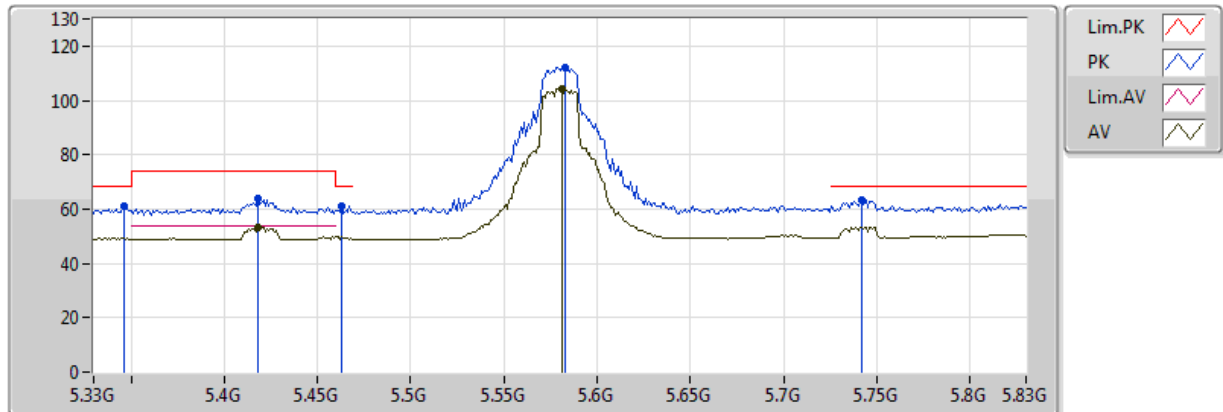


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11G	46.03	54.00	-7.97	18.00	3	H	13	1.02	-
PK	11G	59.70	74.00	-14.30	18.00	3	H	13	1.02	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

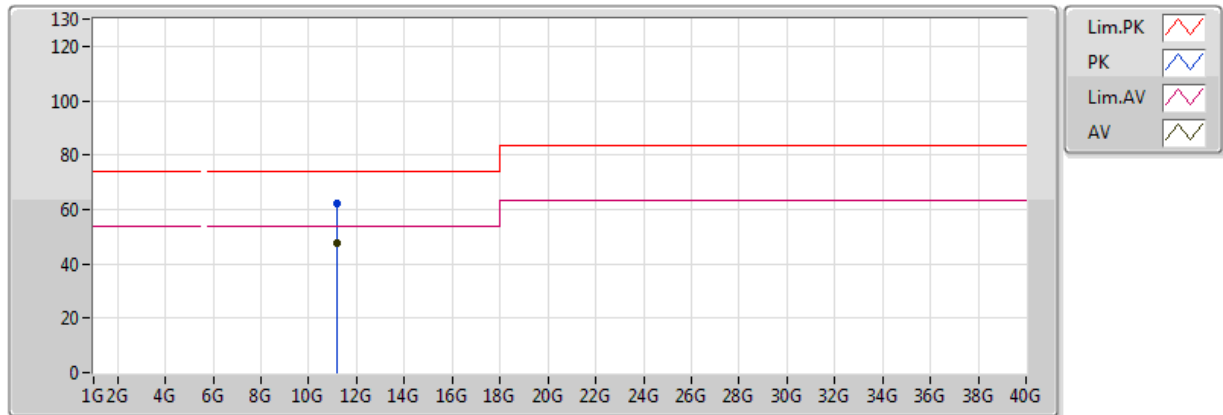


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.418G	53.14	54.00	-0.86	7.74	3	V	272	1.28	-
AV	5.581G	104.39	Inf	-Inf	8.05	3	V	272	1.28	-
PK	5.346G	60.82	68.20	-7.38	7.58	3	V	272	1.28	-
PK	5.418G	63.66	74.00	-10.34	7.84	3	V	272	1.28	-
PK	5.463G	60.93	68.20	-7.27	7.84	3	V	272	1.28	-
PK	5.583G	112.01	Inf	-Inf	8.05	3	V	272	1.28	-
PK	5.742G	63.19	68.20	-5.01	8.31	3	V	272	1.28	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

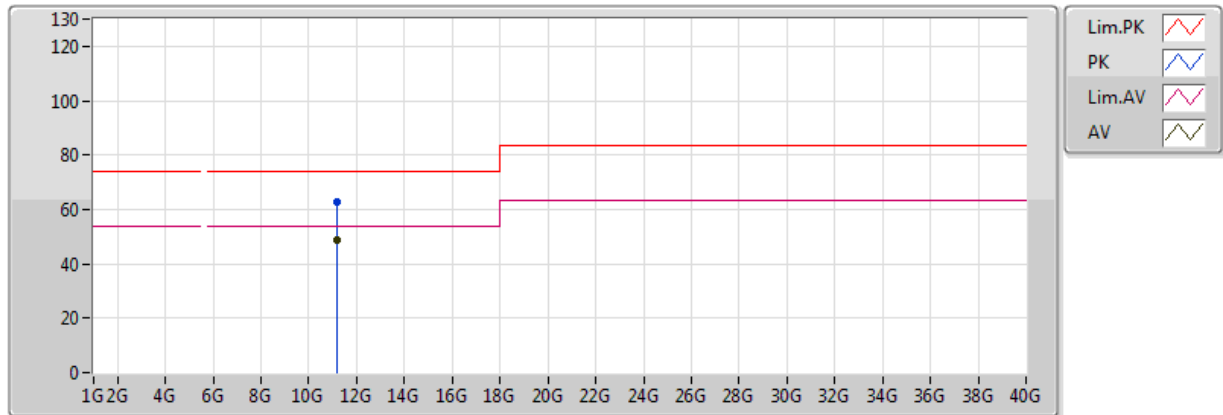


EUT=Z

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	47.89	54.00	-6.11	17.89	3	V	188	1.46	-
PK	11.16G	62.06	74.00	-11.94	17.89	3	V	188	1.46	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5580MHz_TX

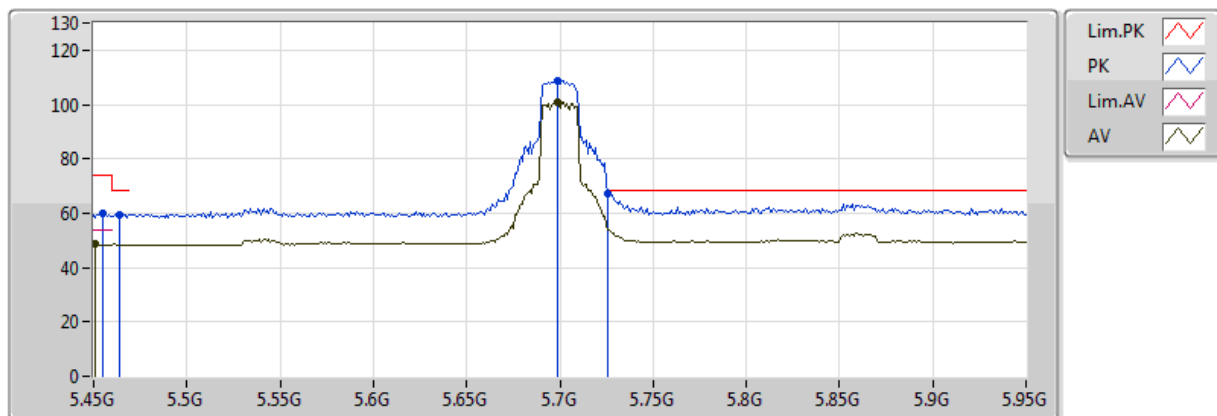


EUT=Z

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	49.03	54.00	-4.97	17.89	3	H	0	2.36	-
PK	11.16G	63.03	74.00	-10.97	17.89	3	H	0	2.36	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

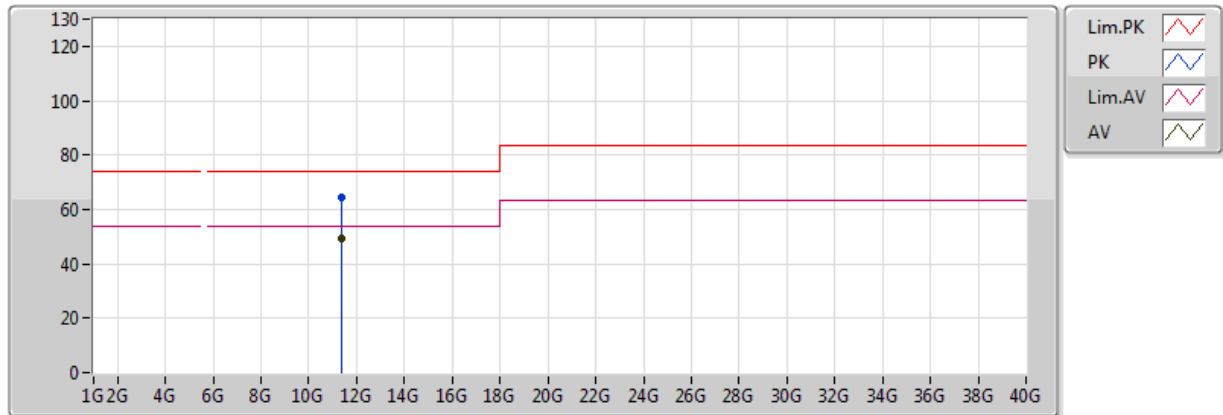


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.451G	48.48	54.00	-5.52	7.81	3	V	191	2.15	-
AV	5.699G	101.09	Inf	-Inf	8.24	3	V	191	2.15	-
PK	5.455G	60.07	74.00	-13.93	7.82	3	V	191	2.15	-
PK	5.464G	59.65	68.20	-8.55	7.84	3	V	191	2.15	-
PK	5.699G	108.90	Inf	-Inf	8.24	3	V	191	2.15	-
PK	5.726G	67.41	68.20	-0.79	8.28	3	V	191	2.15	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

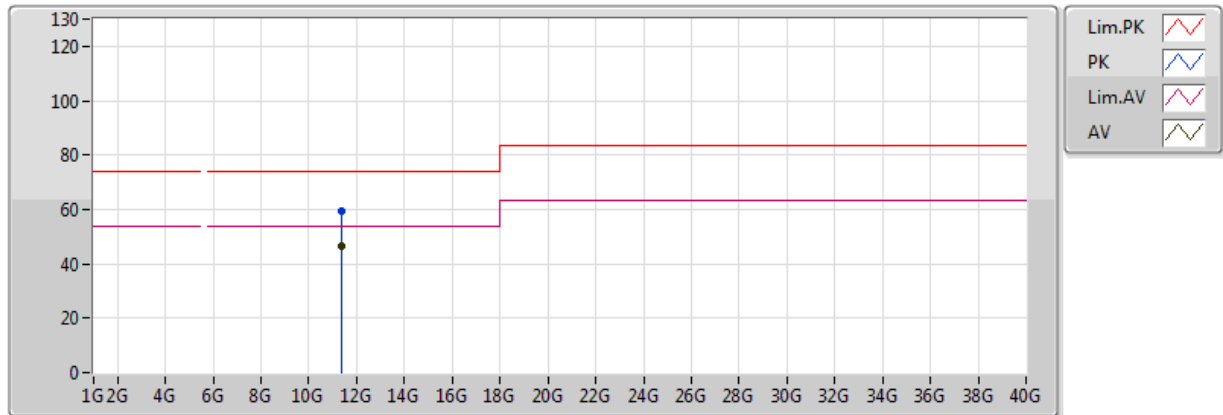


EUT=Z

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	49.23	54.00	-4.77	17.74	3	V	344	1.05	-
PK	11.4G	64.45	74.00	-9.55	17.74	3	V	344	1.05	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5700MHz_TX

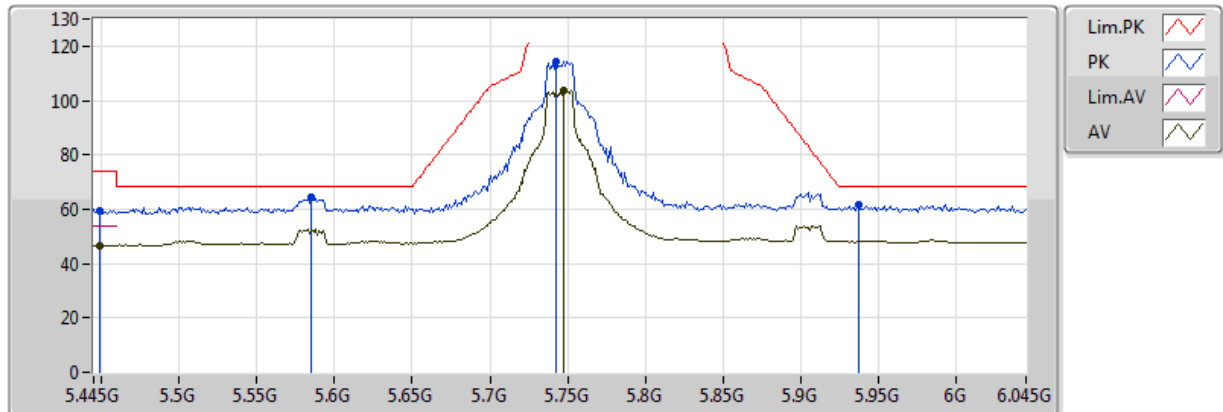


EUT=Z

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	46.51	54.00	-7.49	17.74	3	H	328	1.04	-
PK	11.4G	59.14	74.00	-14.86	17.74	3	H	328	1.04	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

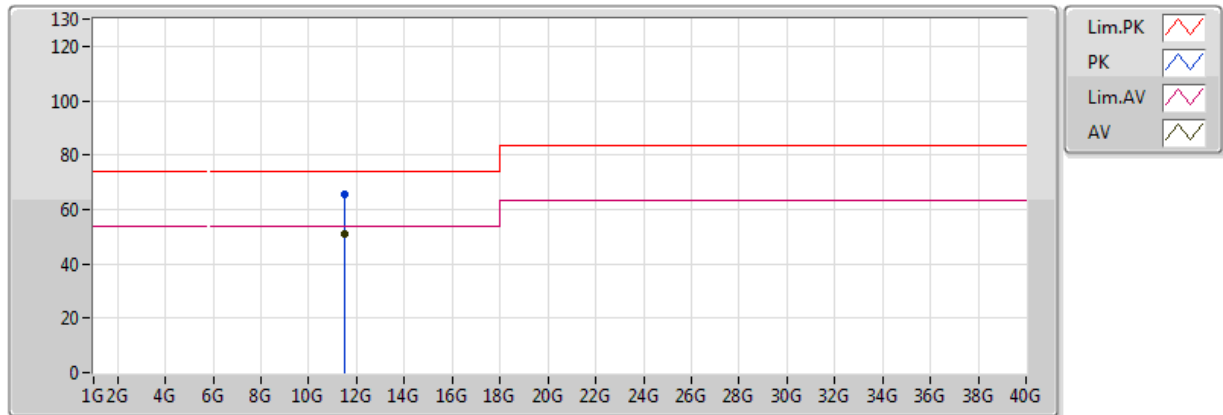


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.4486G	46.61	54.00	-7.39	7.81	3	V	124	2.24	-
AV	5.7474G	103.88	Inf	-Inf	8.32	3	V	124	2.24	-
PK	5.4486G	59.63	74.00	-14.37	7.81	3	V	124	2.24	-
PK	5.5854G	64.26	68.20	-3.94	8.06	3	V	124	2.24	-
PK	5.7426G	114.37	Inf	-Inf	8.31	3	V	124	2.24	-
PK	5.937G	61.49	68.20	-6.71	8.63	3	V	124	2.24	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

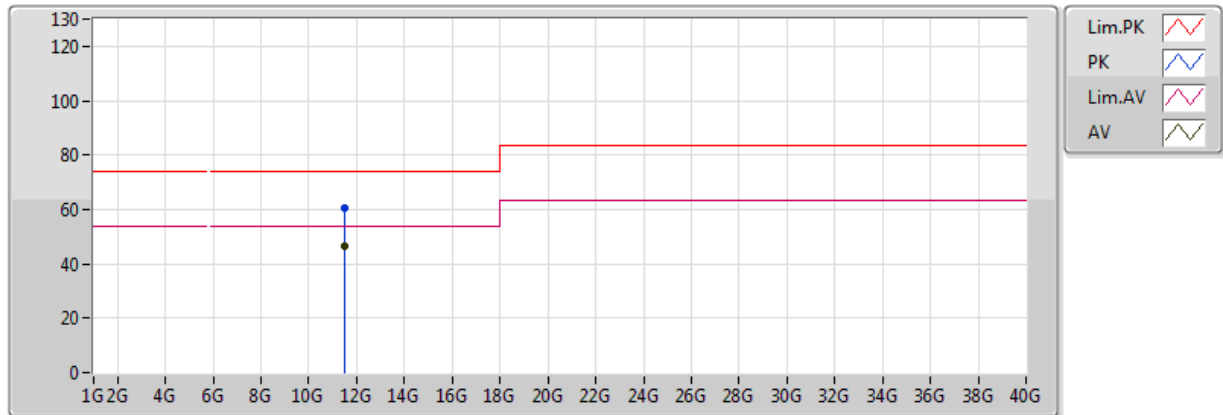


EUT=Z

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	50.72	54.00	-3.28	13.26	3	V	348	1.05	-
PK	11.49G	65.51	74.00	-8.49	13.26	3	V	348	1.05	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

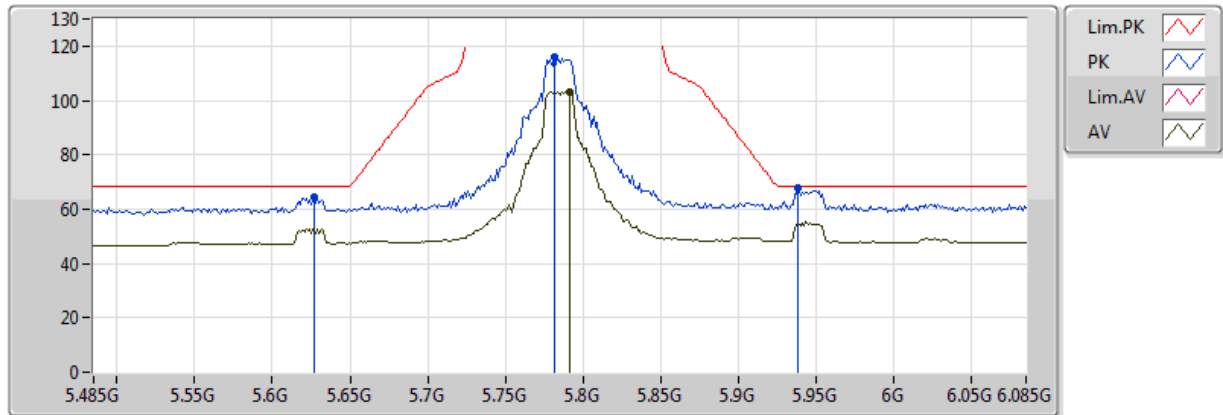


EUT=Z

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	46.78	54.00	-7.22	13.26	3	H	335	1.01	-
PK	11.49G	60.68	74.00	-13.32	13.26	3	H	335	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

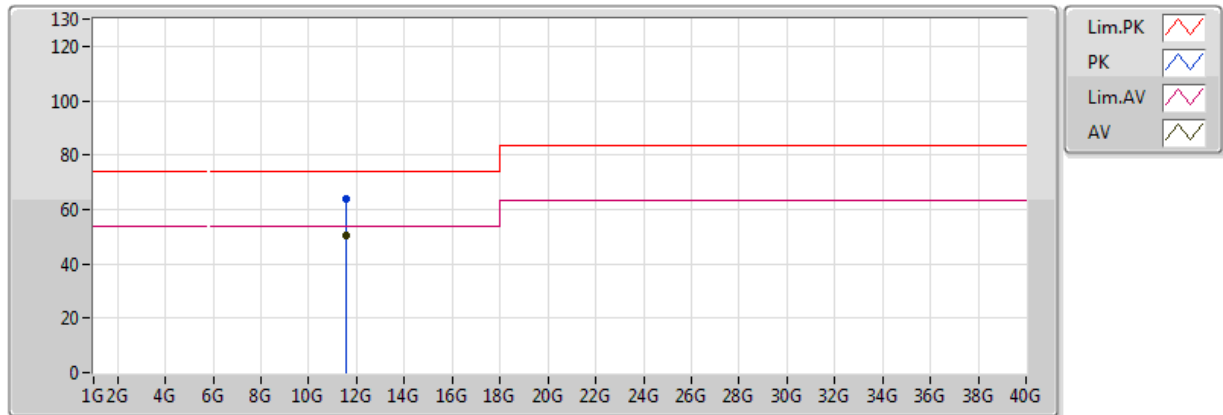


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.791G	103.32	Inf	-Inf	8.39	3	V	99	2.64	-
PK	5.6266G	64.49	68.20	-3.71	8.12	3	V	99	2.64	-
PK	5.7814G	116.08	Inf	-Inf	8.38	3	V	99	2.64	-
PK	5.9386G	67.65	68.20	-0.55	8.63	3	V	99	2.64	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

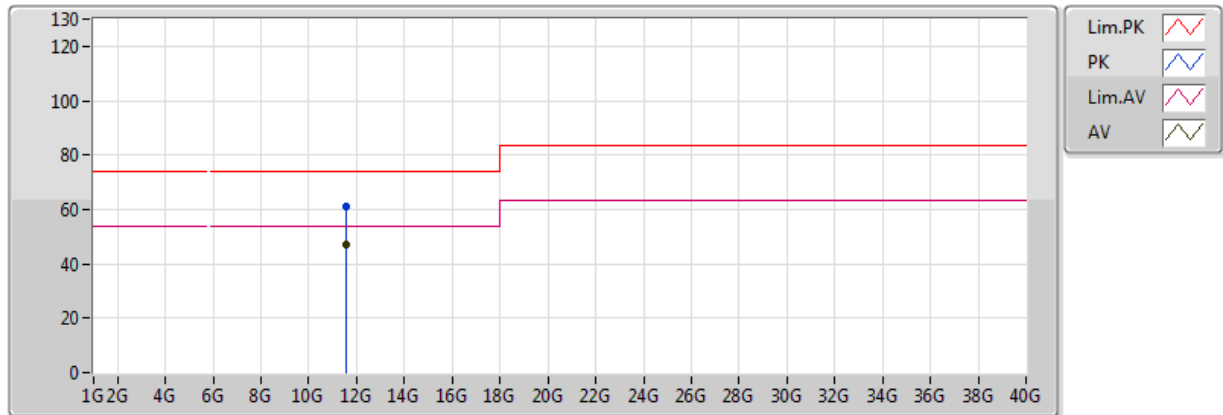


EUT=Z

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	50.44	54.00	-3.56	12.14	3	V	348	1.01	-
PK	11.57G	64.06	74.00	-9.94	12.14	3	V	348	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

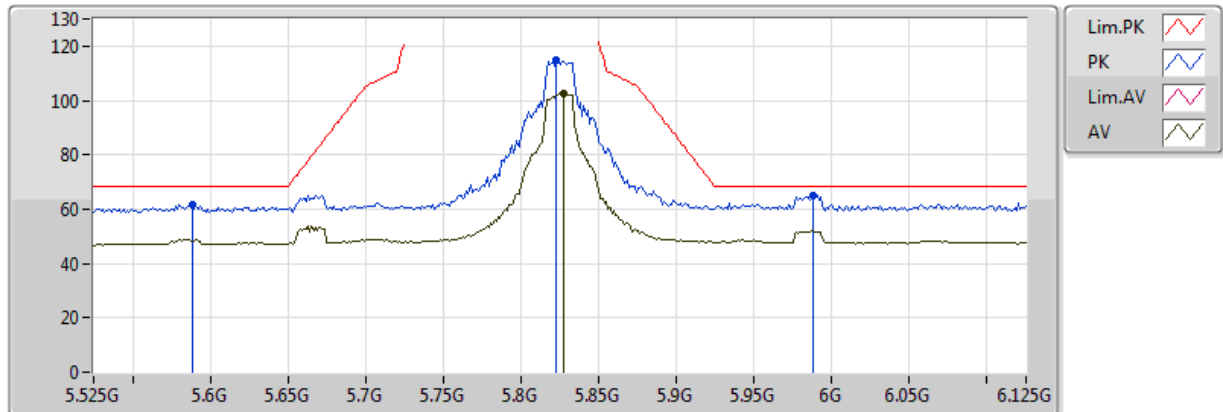


EUT=Z

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	46.90	54.00	-7.10	12.14	3	H	334	1.08	-
PK	11.57G	61.25	74.00	-12.75	12.14	3	H	334	1.08	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

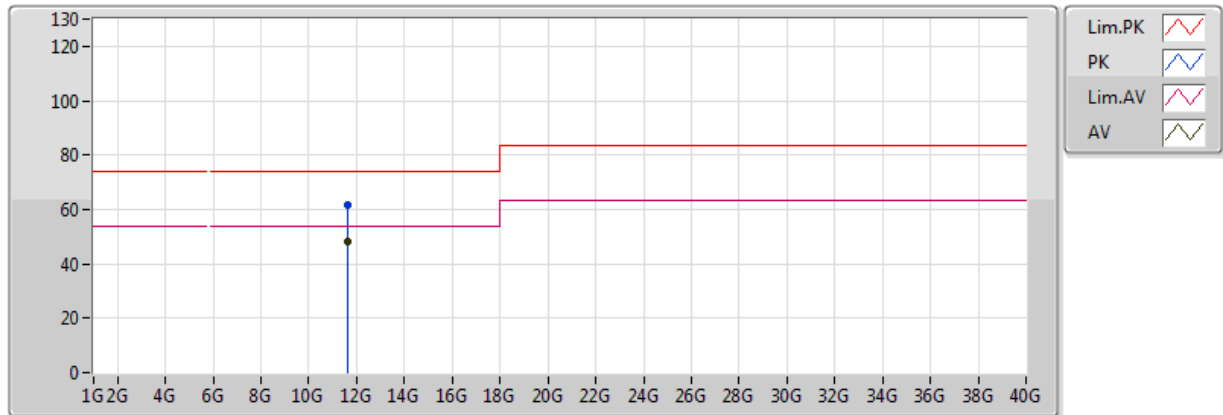


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8274G	102.59	Inf	-Inf	8.45	3	V	130	2.20	-
PK	5.5886G	61.49	68.20	-6.71	8.06	3	V	130	2.20	-
PK	5.8226G	115.03	Inf	-Inf	8.45	3	V	130	2.20	-
PK	5.9882G	64.79	68.20	-3.41	8.71	3	V	130	2.20	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

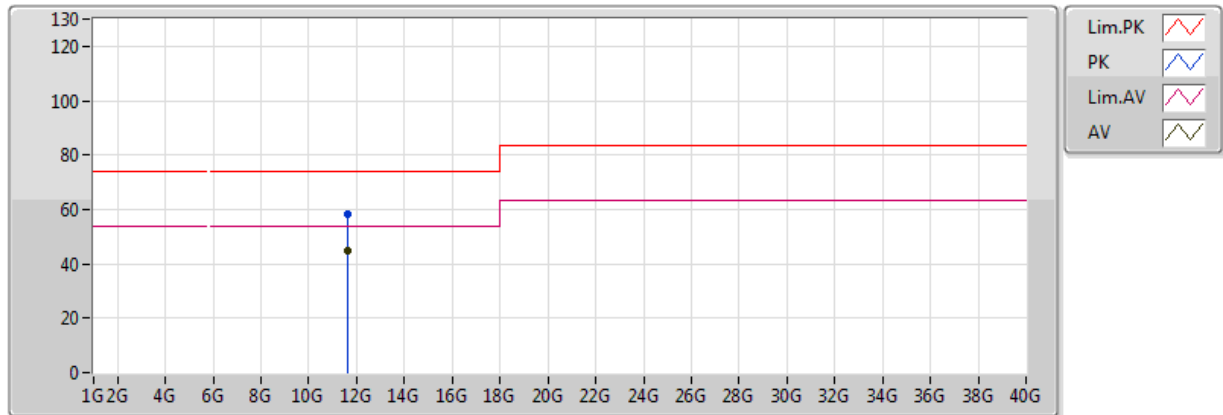


EUT=Z

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	48.02	54.00	-5.98	12.24	3	V	347	1.01	-
PK	11.65G	61.39	74.00	-12.61	12.24	3	V	347	1.01	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

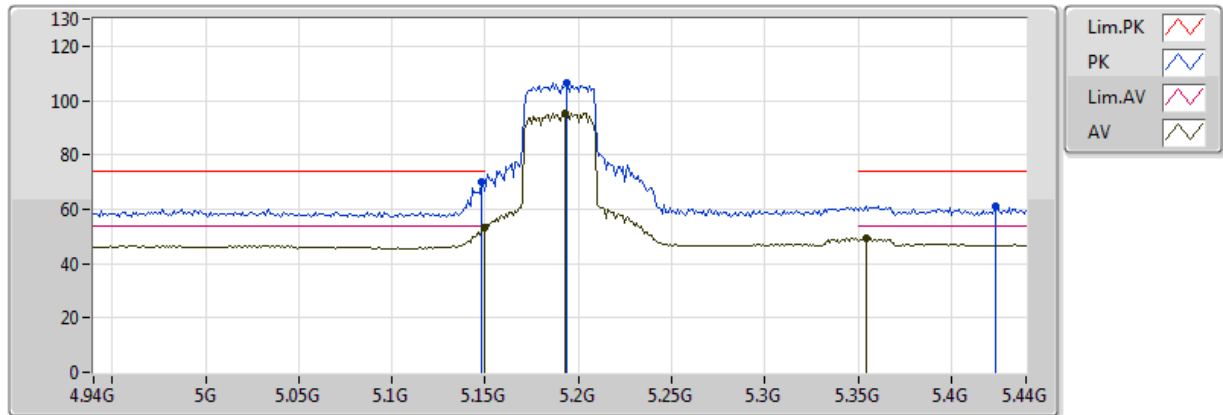


EUT=Z

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	44.70	54.00	-9.30	12.24	3	H	332	2.34	-
PK	11.65G	58.45	74.00	-15.55	12.24	3	H	332	2.34	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

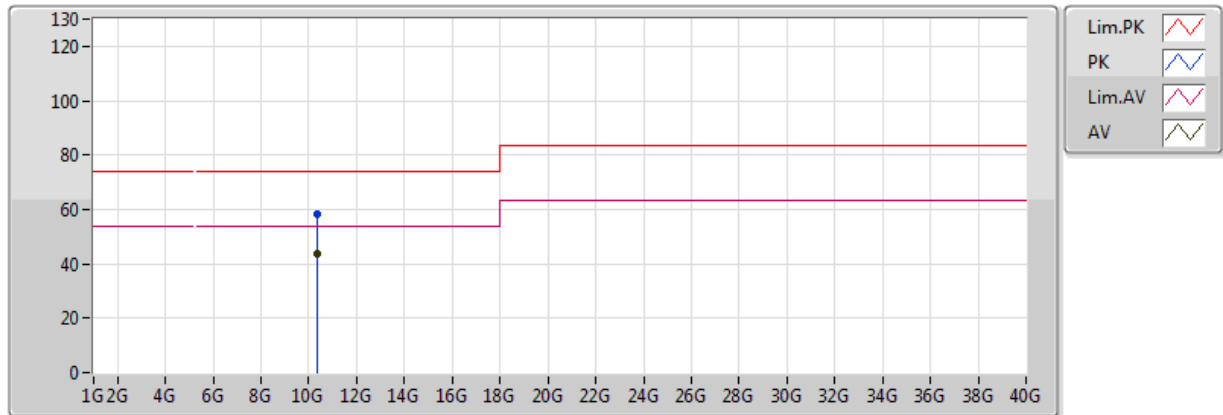


EUT=Z

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	53.32	54.00	-0.68	7.15	3	V	207	1.70	-
AV	5.193G	95.44	Inf	-Inf	7.24	3	V	207	1.70	-
AV	5.354G	49.38	54.00	-4.62	7.60	3	V	207	1.70	-
PK	5.148G	70.10	74.00	-3.90	7.15	3	V	207	1.70	-
PK	5.194G	106.47	Inf	-Inf	7.25	3	V	207	1.70	-
PK	5.424G	61.27	74.00	-12.73	7.75	3	V	207	1.70	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

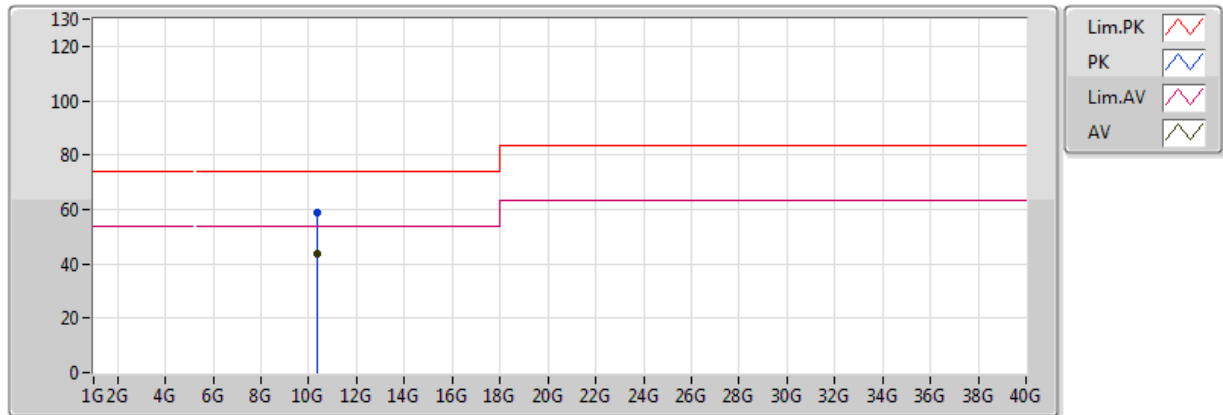


EUT=Z

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	43.89	54.00	-10.11	17.05	3	V	91	1.50	-
PK	10.38G	58.35	74.00	-15.65	17.05	3	V	91	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

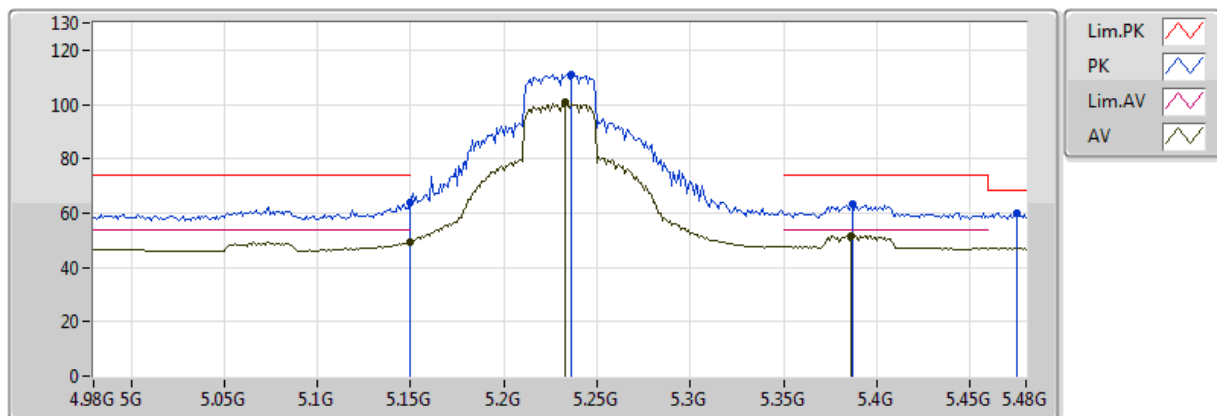


EUT=Z

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	43.87	54.00	-10.13	17.05	3	H	230	1.50	-
PK	10.38G	58.68	74.00	-15.32	17.05	3	H	230	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

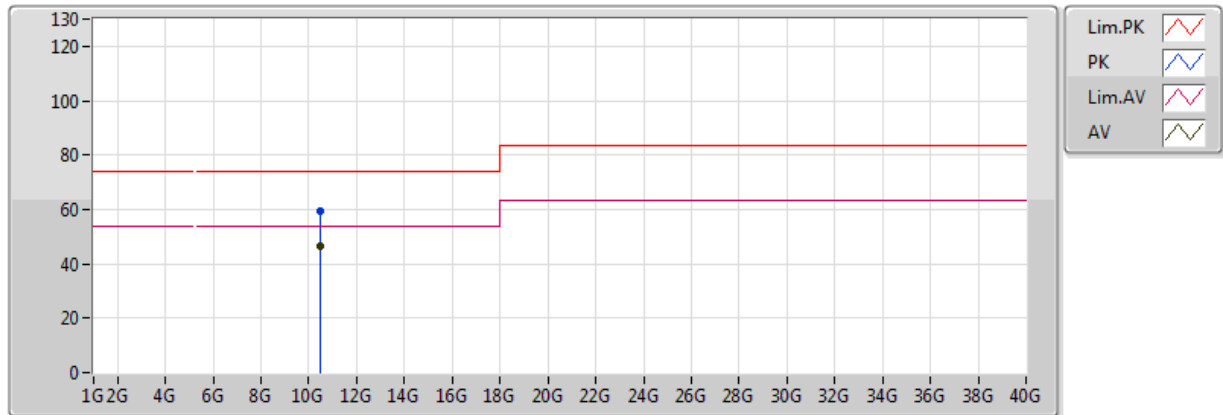


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	49.47	54.00	-4.53	7.15	3	V	207	1.72	-
AV	5.233G	100.61	Inf	-Inf	7.33	3	V	207	1.72	-
AV	5.386G	51.82	54.00	-2.18	7.67	3	V	207	1.72	-
PK	5.149995G	63.89	74.00	-10.11	7.15	3	V	207	1.72	-
PK	5.236G	111.21	Inf	-Inf	7.34	3	V	207	1.72	-
PK	5.387G	63.14	74.00	-10.86	7.62	3	V	207	1.72	-
PK	5.475G	60.06	68.20	-8.14	7.86	3	V	207	1.72	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

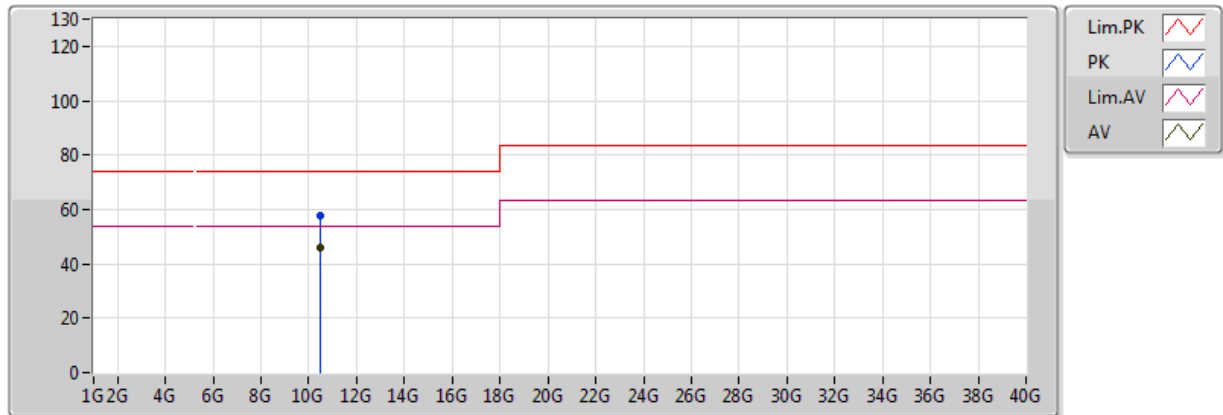


EUT=Z

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	46.29	54.00	-7.71	17.17	3	V	161	2.21	-
PK	10.46G	59.25	74.00	-14.75	17.17	3	V	161	2.21	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

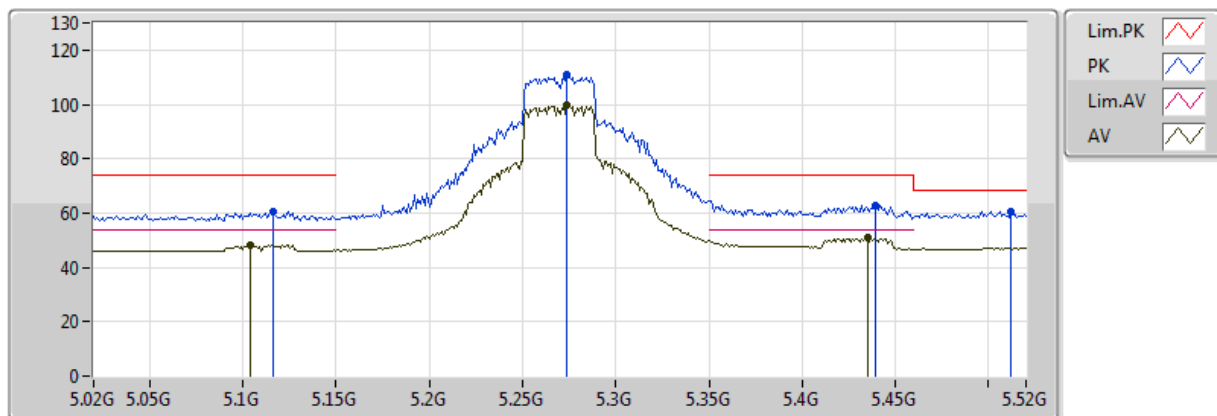


EUT=Z

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	45.99	54.00	-8.01	17.17	3	H	358	1.01	-
PK	10.46G	57.92	74.00	-16.08	17.17	3	H	358	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

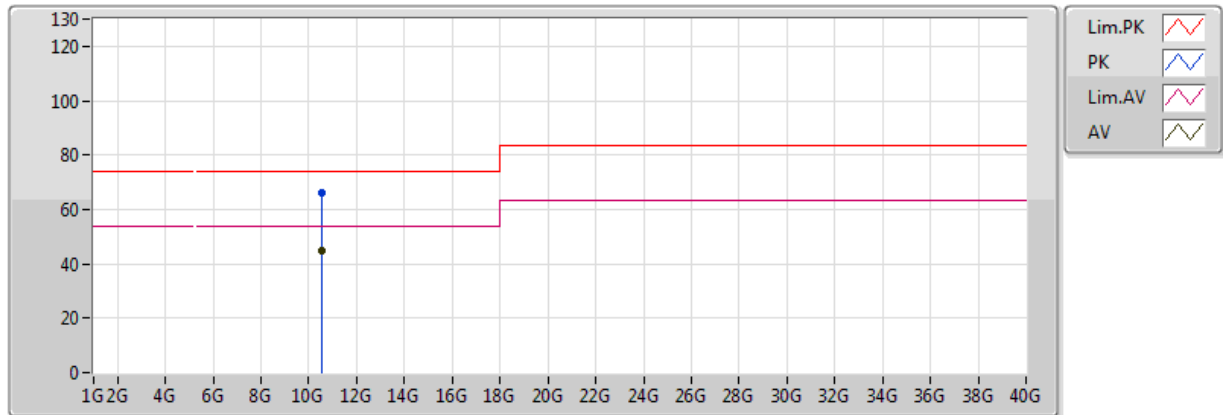


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.104G	48.15	54.00	-5.85	7.05	3	V	238	2.17	-
AV	5.274G	99.74	Inf	-Inf	7.42	3	V	238	2.17	-
AV	5.435G	50.92	54.00	-3.08	7.78	3	V	238	2.17	-
PK	5.116G	60.63	74.00	-13.37	7.08	3	V	238	2.17	-
PK	5.274G	110.73	Inf	-Inf	7.42	3	V	238	2.17	-
PK	5.439G	62.77	74.00	-11.23	7.89	3	V	238	2.17	-
PK	5.512G	60.63	68.20	-7.57	7.94	3	V	238	2.17	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

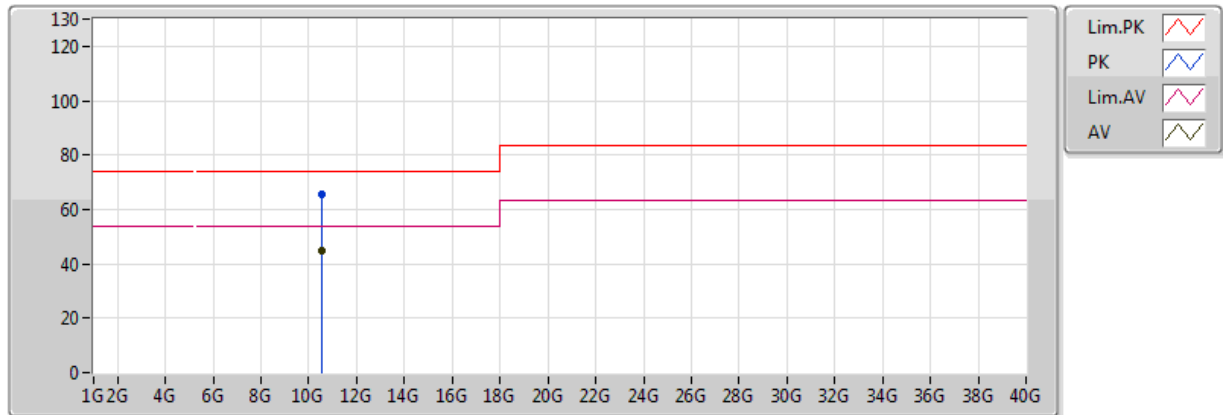


EUT=Z

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	44.93	54.00	-9.07	17.29	3	V	162	1.18	-
PK	10.54G	65.93	74.00	-8.07	17.29	3	V	162	1.18	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5270MHz_TX

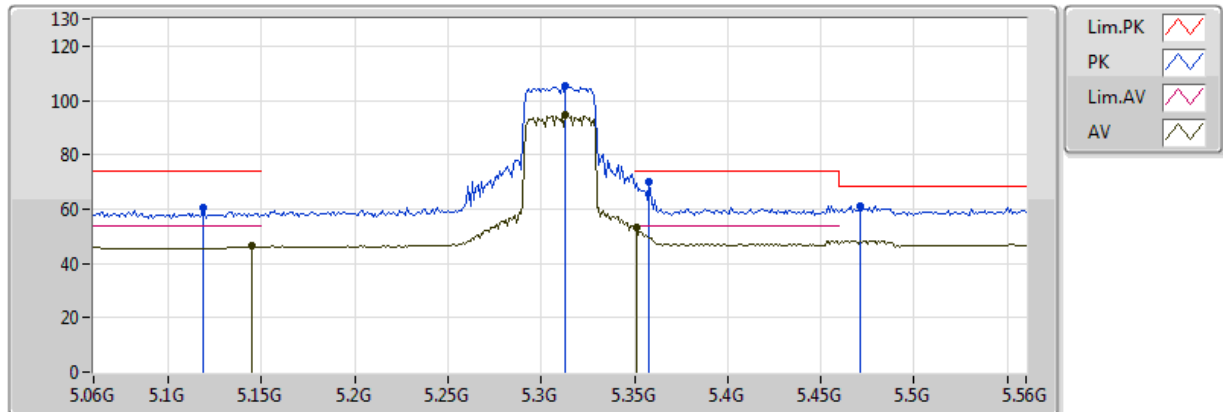


EUT=Z

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	44.66	54.00	-9.34	17.29	3	H	0	1.47	-
PK	10.54G	65.53	74.00	-8.47	17.29	3	H	0	1.47	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

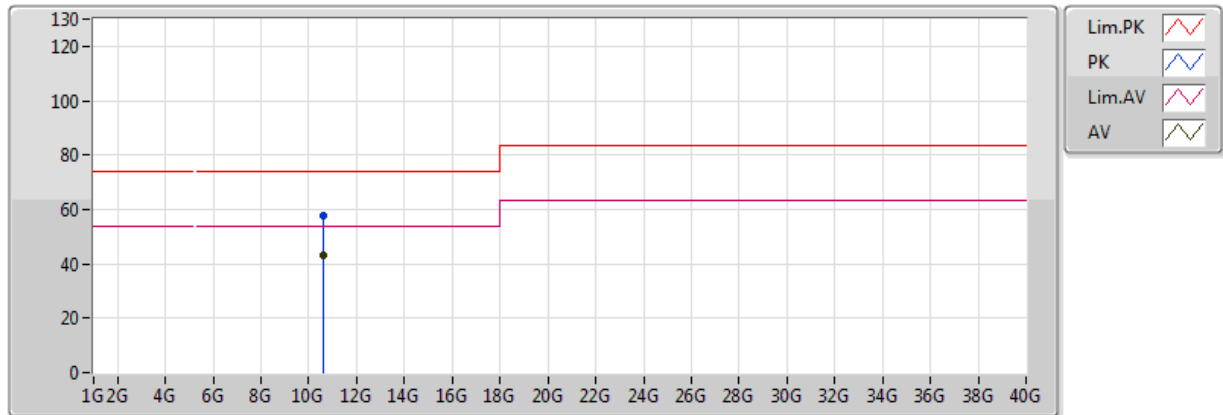


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.145G	46.23	54.00	-7.77	7.14	3	V	227	1.92	-
AV	5.313G	94.53	Inf	-Inf	7.51	3	V	227	1.92	-
AV	5.351G	53.05	54.00	-0.95	7.59	3	V	227	1.92	-
PK	5.119G	60.25	74.00	-13.75	7.08	3	V	227	1.92	-
PK	5.313G	105.52	Inf	-Inf	7.51	3	V	227	1.92	-
PK	5.358G	70.23	74.00	-3.77	7.61	3	V	227	1.92	-
PK	5.471G	61.09	68.20	-7.11	7.86	3	V	227	1.92	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

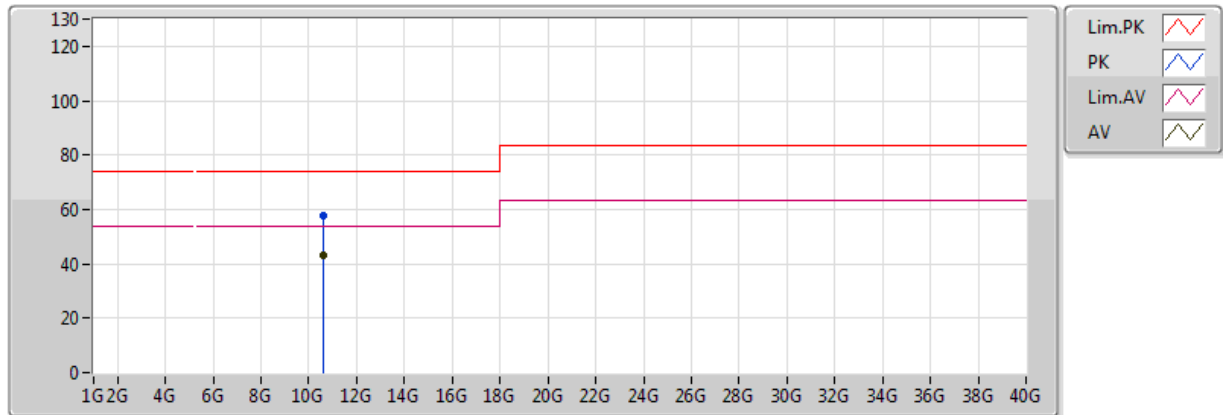


EUT=Z

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	43.42	54.00	-10.58	17.41	3	V	134	1.50	-
PK	10.62G	57.54	74.00	-16.46	17.41	3	V	134	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5310MHz_TX

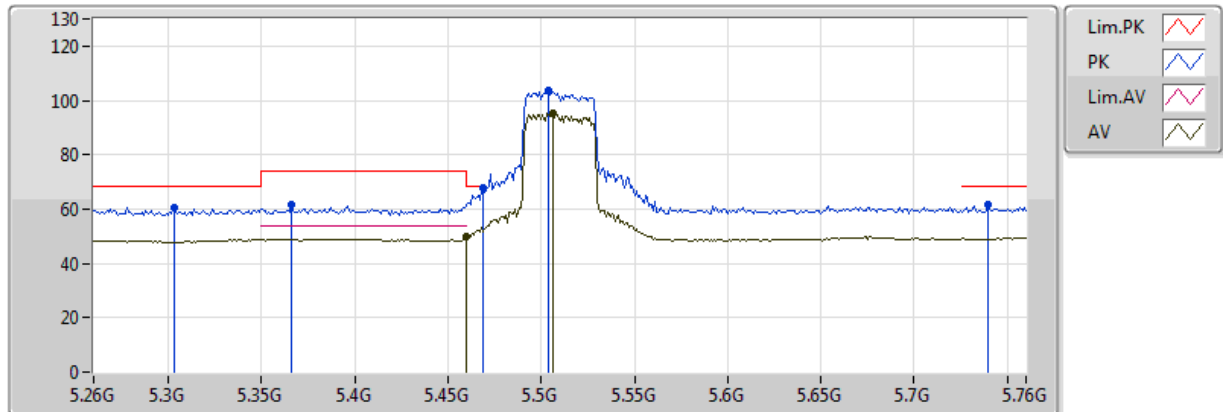


EUT=Z

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	43.41	54.00	-10.59	17.41	3	H	149	1.50	-
PK	10.62G	57.53	74.00	-16.47	17.41	3	H	149	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

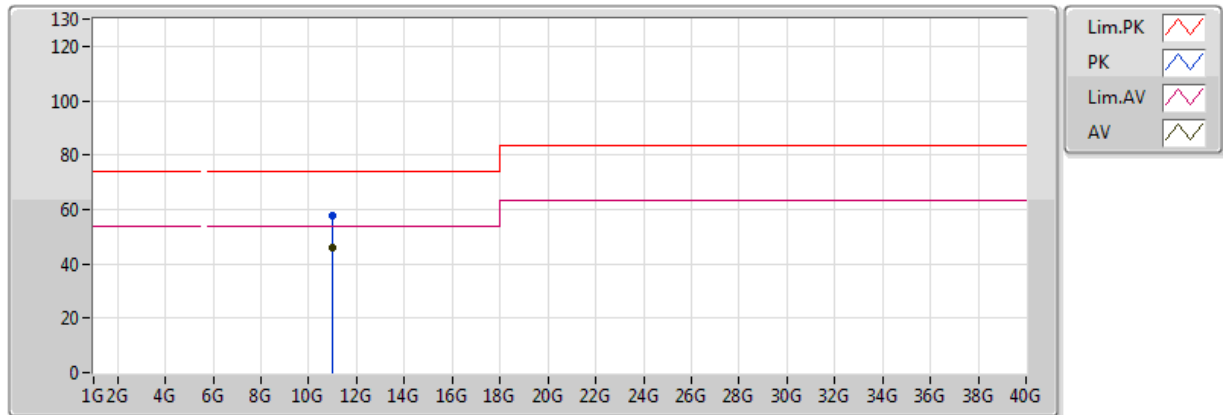


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.46G	49.70	54.00	-4.30	7.83	3	V	275	1.50	-
AV	5.506G	95.26	Inf	-Inf	7.93	3	V	275	1.50	-
PK	5.303G	60.76	68.20	-7.44	7.49	3	V	275	1.50	-
PK	5.469G	67.88	68.20	-0.32	7.85	3	V	275	1.50	-
PK	5.504G	103.85	Inf	-Inf	7.93	3	V	275	1.50	-
PK	5.74G	61.72	68.20	-6.48	8.31	3	V	275	1.50	-
PK	5.366G	61.38	74.00	-12.62	7.63	3	V	275	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

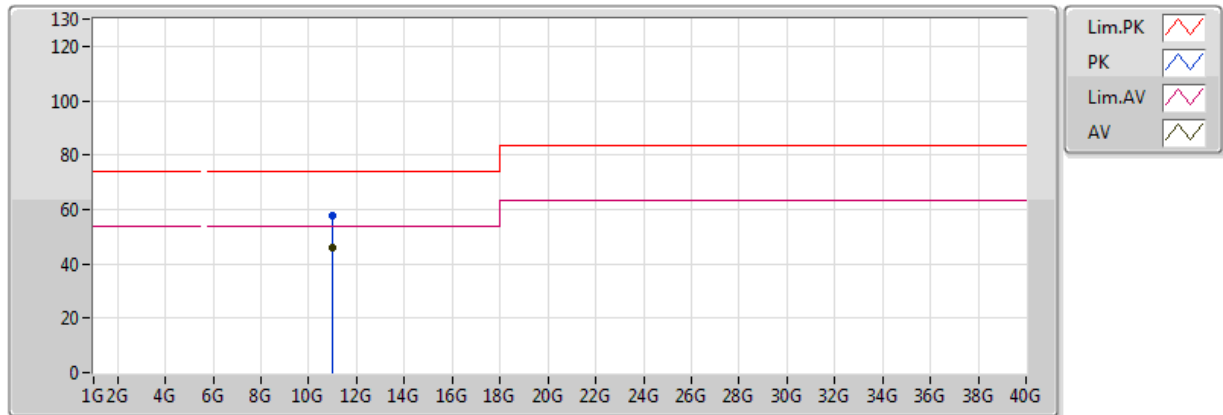


EUT=Z

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	46.12	54.00	-7.88	17.99	3	V	360	1.50	-
PK	11.02G	57.76	74.00	-16.24	17.99	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5510MHz_TX

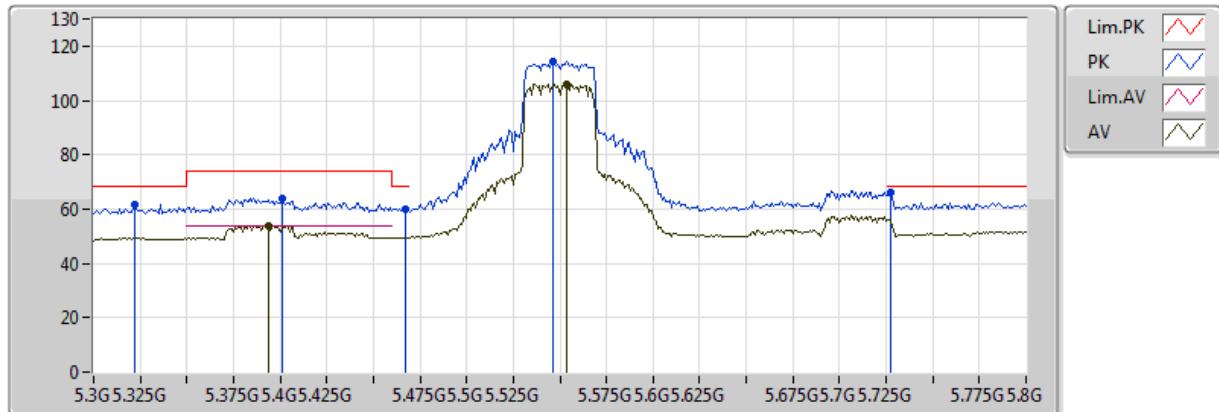


EUT=Z

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	46.03	54.00	-7.97	17.99	3	H	0	1.50	-
PK	11.02G	57.89	74.00	-16.11	17.99	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

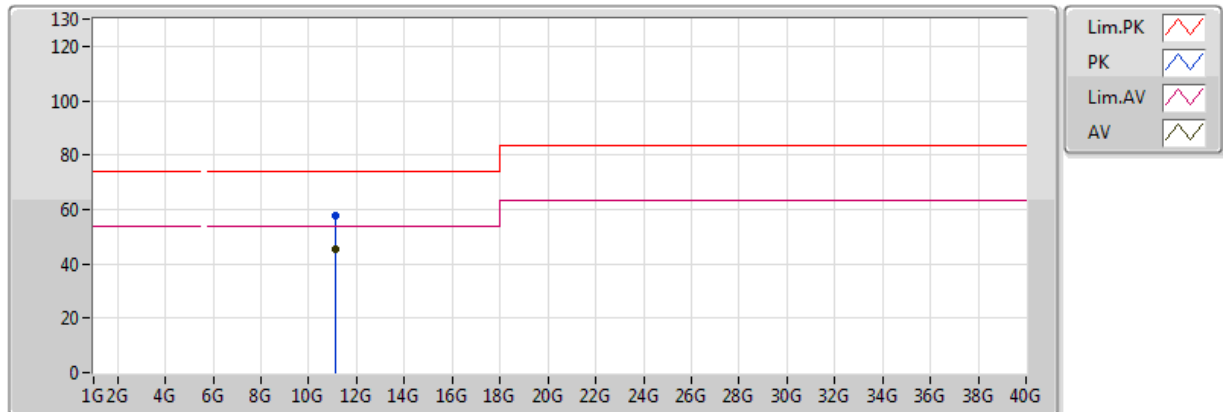


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.394G	53.72	54.00	-0.28	7.69	3	V	213	2.13	-
AV	5.554G	105.96	Inf	-Inf	8.01	3	V	213	2.13	-
PK	5.322G	61.81	68.20	-6.39	7.53	3	V	213	2.13	-
PK	5.401G	63.84	74.00	-10.16	7.80	3	V	213	2.13	-
PK	5.467G	60.07	68.20	-8.13	7.85	3	V	213	2.13	-
PK	5.546G	114.17	Inf	-Inf	7.99	3	V	213	2.13	-
PK	5.727G	65.93	68.20	-2.27	8.29	3	V	213	2.13	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

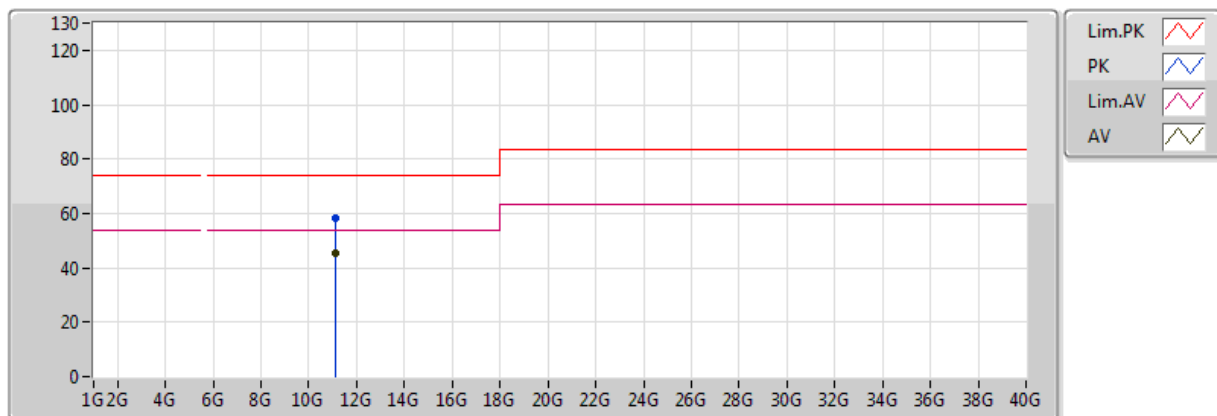


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.1G	45.30	54.00	-8.70	17.93	3	V	78	1.50	-
PK	11.1G	57.69	74.00	-16.31	17.93	3	V	78	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5550MHz_TX

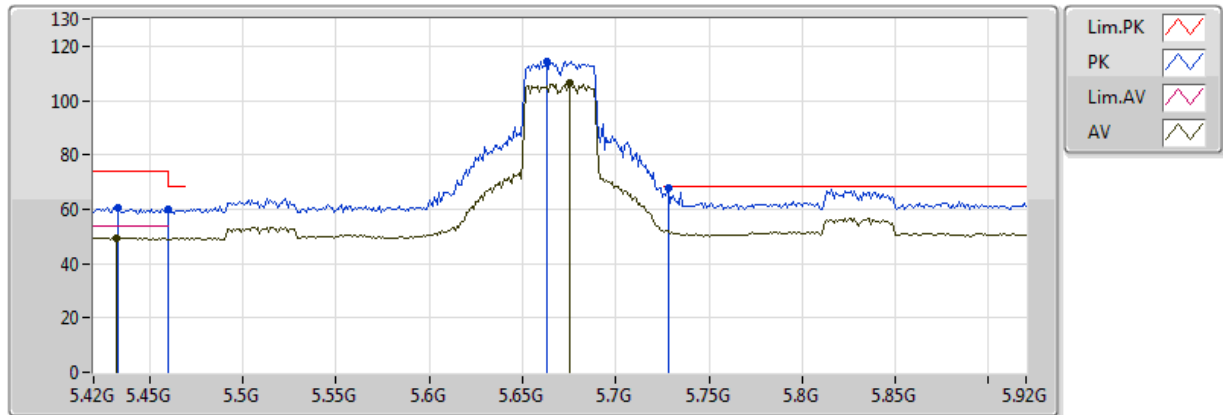


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.1G	45.48	54.00	-8.52	17.93	3	H	360	1.50	-
PK	11.1G	58.11	74.00	-15.89	17.93	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

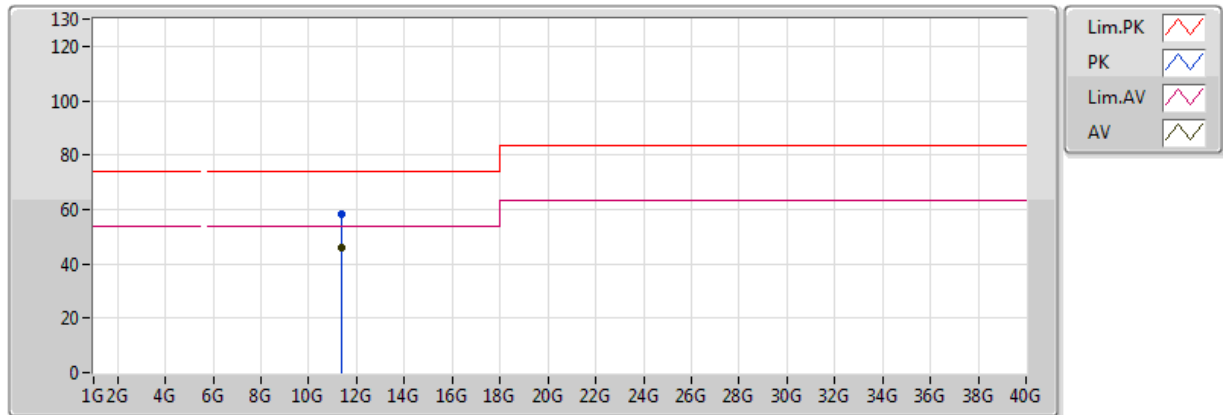


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.432G	49.57	54.00	-4.43	7.77	3	V	227	1.50	-
AV	5.675G	106.19	Inf	-Inf	8.20	3	V	227	1.50	-
PK	5.433G	60.42	74.00	-13.58	7.77	3	V	227	1.50	-
PK	5.460005G	60.22	68.20	-7.98	7.83	3	V	227	1.50	-
PK	5.663G	114.52	Inf	-Inf	8.18	3	V	227	1.50	-
PK	5.728G	67.82	68.20	-0.38	8.29	3	V	227	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

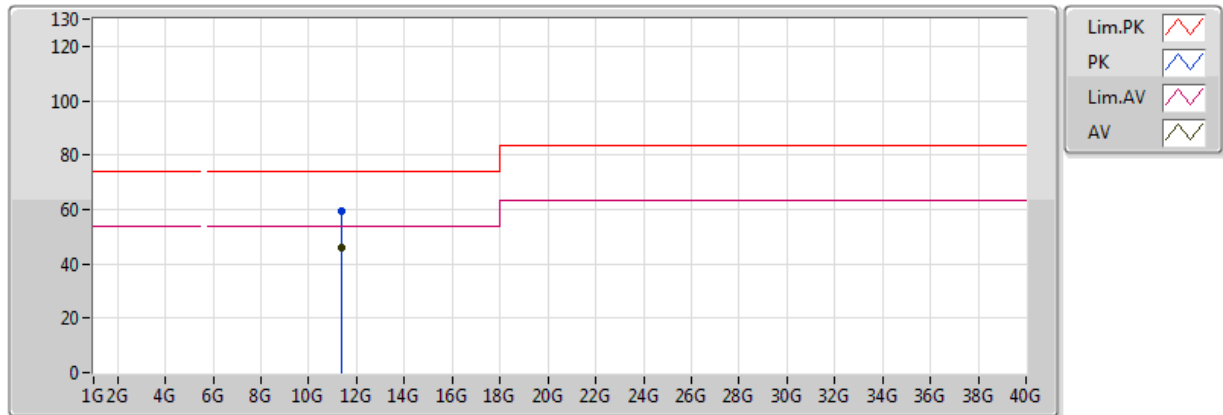


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.34G	46.11	54.00	-7.89	17.78	3	V	0	1.50	-
PK	11.34G	58.07	74.00	-15.93	17.78	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5670MHz_TX

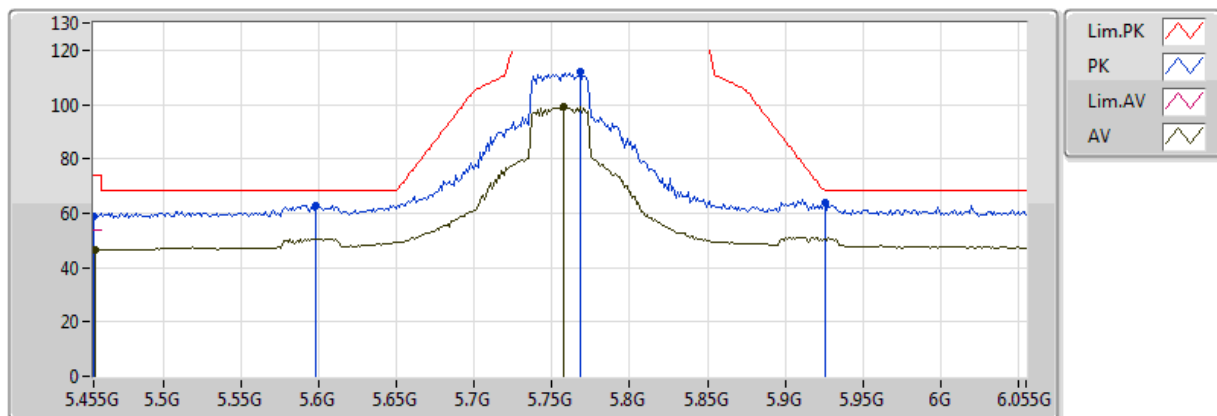


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.34G	45.91	54.00	-8.09	17.78	3	H	360	1.50	-
PK	11.34G	59.47	74.00	-14.53	17.78	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

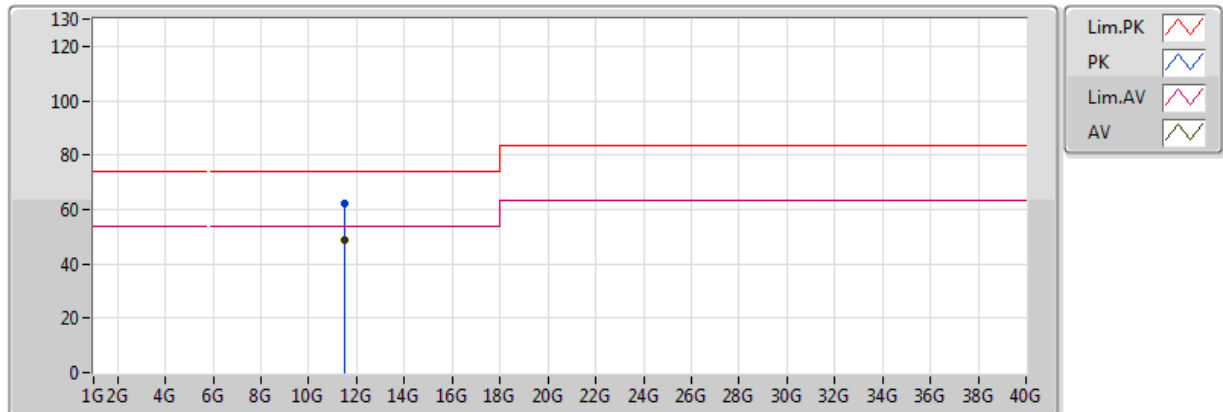


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7574G	99.39	Inf	-Inf	8.34	3	V	132	2.23	-
PK	5.5978G	62.96	68.20	-5.24	8.08	3	V	132	2.23	-
PK	5.7682G	111.90	Inf	-Inf	8.36	3	V	132	2.23	-
PK	5.9254G	63.85	68.20	-4.35	8.61	3	V	132	2.23	-
PK	5.455G	58.64	74.00	-15.36	7.82	3	V	132	2.23	-
AV	5.4562G	46.52	54.00	-7.48	7.82	3	V	132	2.23	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

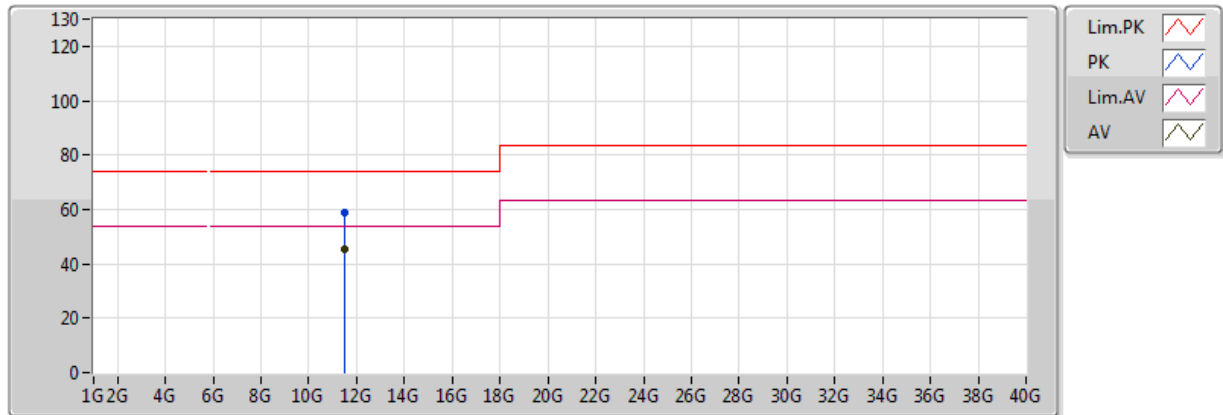


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	48.61	54.00	-5.39	12.06	3	V	348	1.04	-
PK	11.51G	62.41	74.00	-11.59	12.06	3	V	348	1.04	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

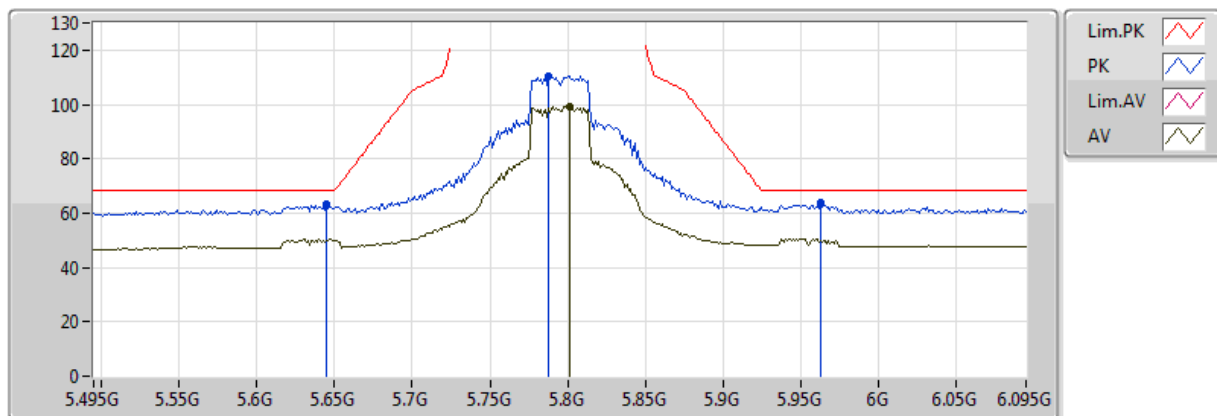


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	45.48	54.00	-8.52	12.06	3	H	333	1.03	-
PK	11.51G	59.08	74.00	-14.92	12.06	3	H	333	1.03	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

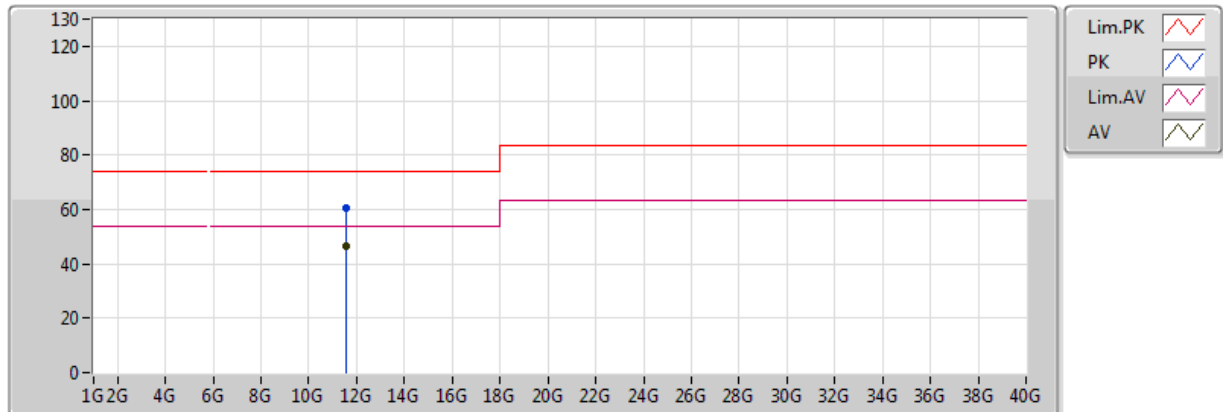


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.801G	99.22	Inf	-Inf	8.41	3	V	153	1.92	-
PK	5.645G	63.16	68.20	-5.04	8.15	3	V	153	1.92	-
PK	5.7878G	110.33	Inf	-Inf	8.39	3	V	153	1.92	-
PK	5.963G	63.69	68.20	-4.51	8.67	3	V	153	1.92	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

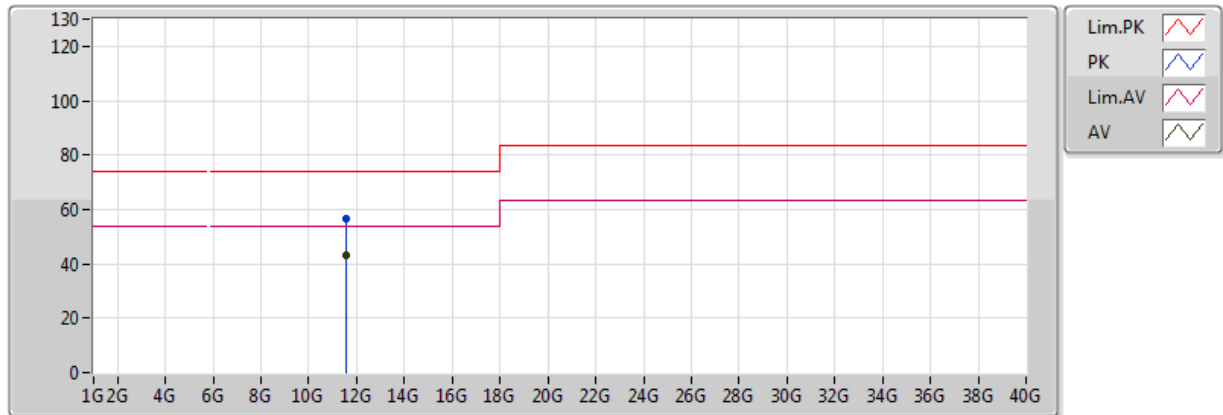


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	46.73	54.00	-7.27	12.16	3	V	345	1.01	-
PK	11.59G	60.58	74.00	-13.42	12.16	3	V	345	1.01	-

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

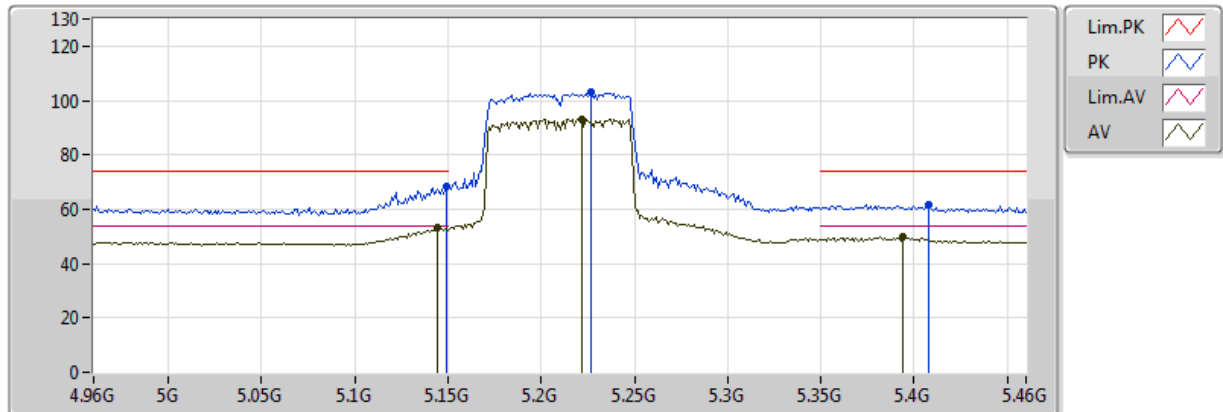


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	42.98	54.00	-11.02	12.16	3	H	334	1.05	-
PK	11.59G	56.47	74.00	-17.53	12.16	3	H	334	1.05	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

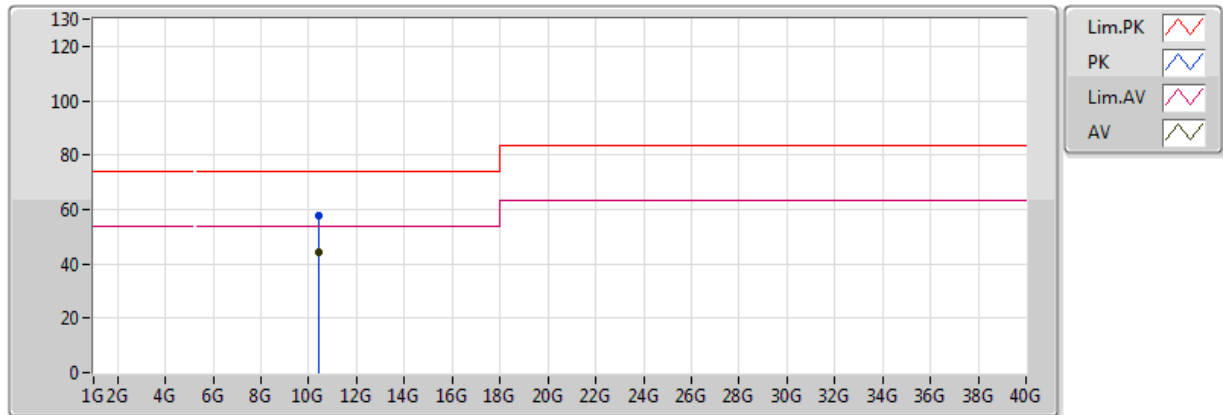


EUT=Z

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	53.12	54.00	-0.88	7.14	3	V	129	2.10	-
AV	5.222G	93.19	Inf	-Inf	7.31	3	V	129	2.10	-
AV	5.394G	49.68	54.00	-4.32	7.69	3	V	129	2.10	-
PK	5.149G	68.23	74.00	-5.77	7.15	3	V	129	2.10	-
PK	5.227G	103.28	Inf	-Inf	7.32	3	V	129	2.10	-
PK	5.408G	61.68	74.00	-12.32	7.72	3	V	129	2.10	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

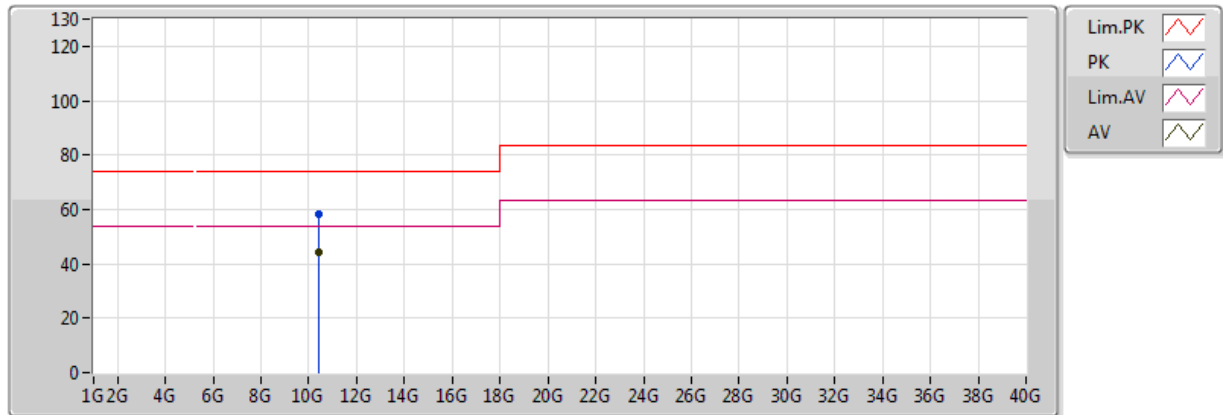


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.42G	44.29	54.00	-9.71	17.11	3	V	15	1.01	-
PK	10.42G	57.69	74.00	-16.31	17.11	3	V	15	1.01	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

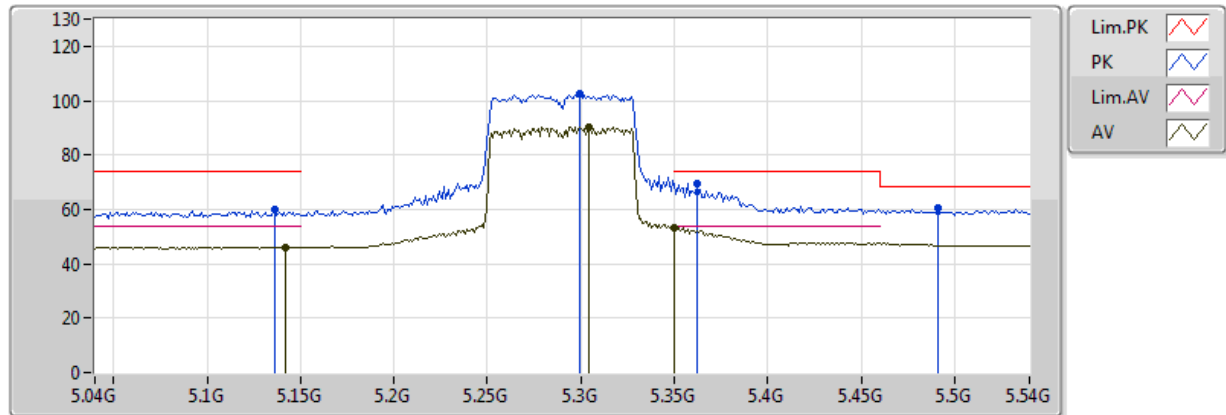


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.42G	44.46	54.00	-9.54	17.11	3	H	133	1.50	-
PK	10.42G	58.30	74.00	-15.70	17.11	3	H	133	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

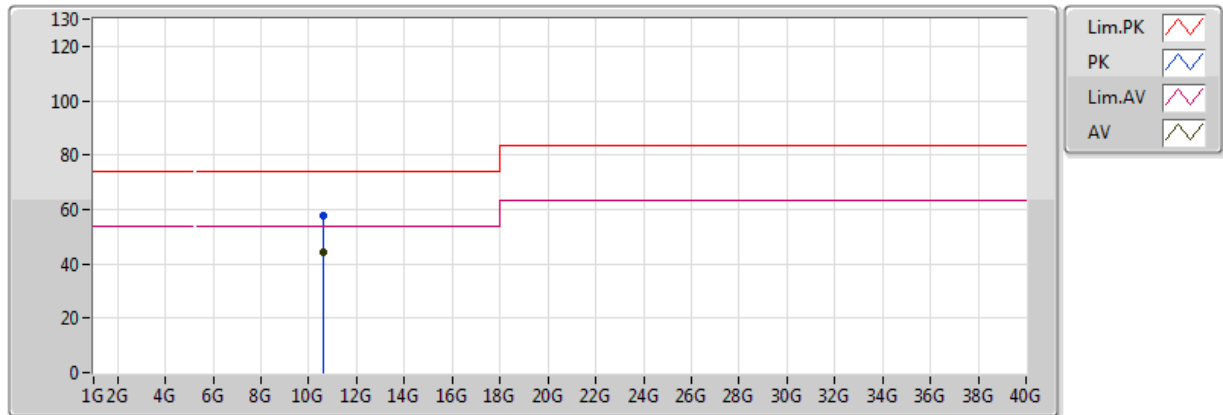


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.142G	46.09	54.00	-7.91	7.13	3	V	238	2.02	-
AV	5.304G	90.08	Inf	-Inf	7.49	3	V	238	2.02	-
AV	5.350005G	53.35	54.00	-0.65	7.59	3	V	238	2.02	-
PK	5.136G	60.01	74.00	-13.99	7.12	3	V	238	2.02	-
PK	5.299G	102.61	Inf	-Inf	7.48	3	V	238	2.02	-
PK	5.362G	69.52	74.00	-4.48	7.62	3	V	238	2.02	-
PK	5.491G	60.30	68.20	-7.90	7.90	3	V	238	2.02	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

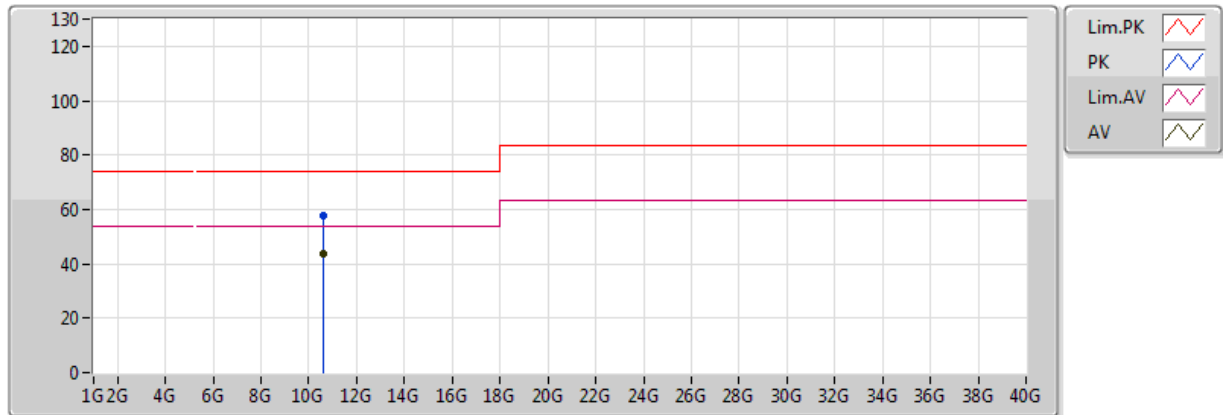


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.58G	44.19	54.00	-9.81	17.35	3	V	191	1.50	-
PK	10.58G	57.90	74.00	-16.10	17.35	3	V	191	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5290MHz_TX

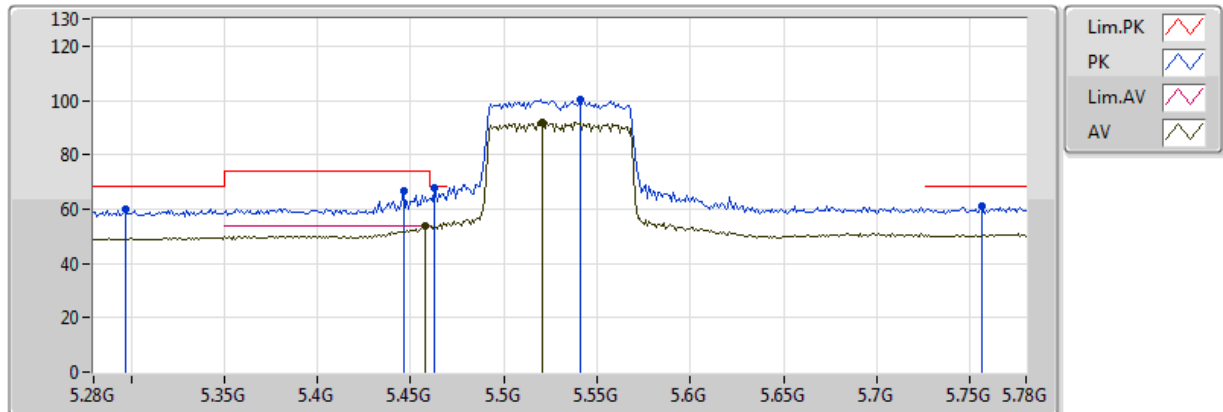


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.58G	43.98	54.00	-10.02	17.35	3	H	100	1.50	-
PK	10.58G	57.82	74.00	-16.18	17.35	3	H	100	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

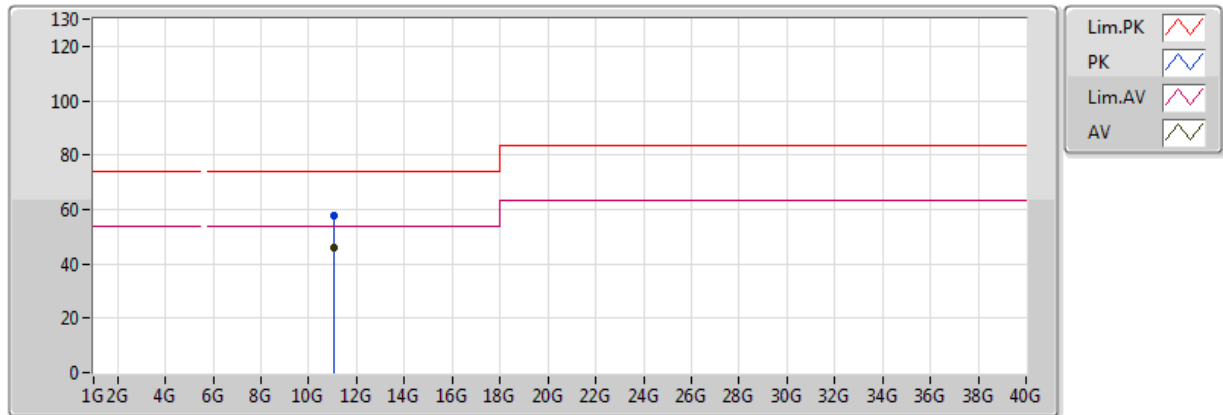


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.458G	53.87	54.00	-0.13	7.83	3	V	230	1.50	-
AV	5.521G	92.06	Inf	-Inf	7.95	3	V	230	1.50	-
PK	5.297G	60.13	68.20	-8.07	7.47	3	V	230	1.50	-
PK	5.446G	66.43	74.00	-7.57	7.80	3	V	230	1.50	-
PK	5.463G	67.88	68.20	-0.32	7.84	3	V	230	1.50	-
PK	5.541G	100.16	Inf	-Inf	7.99	3	V	230	1.50	-
PK	5.756G	61.04	68.20	-7.16	8.34	3	V	230	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

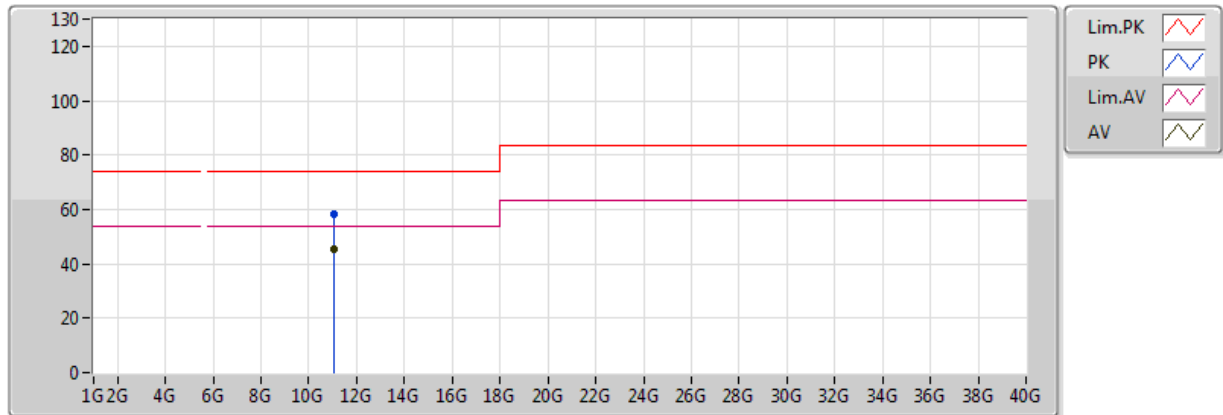


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.06G	45.76	54.00	-8.24	17.96	3	V	182	1.50	-
PK	11.06G	57.98	74.00	-16.02	17.96	3	V	182	1.50	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5530MHz_TX

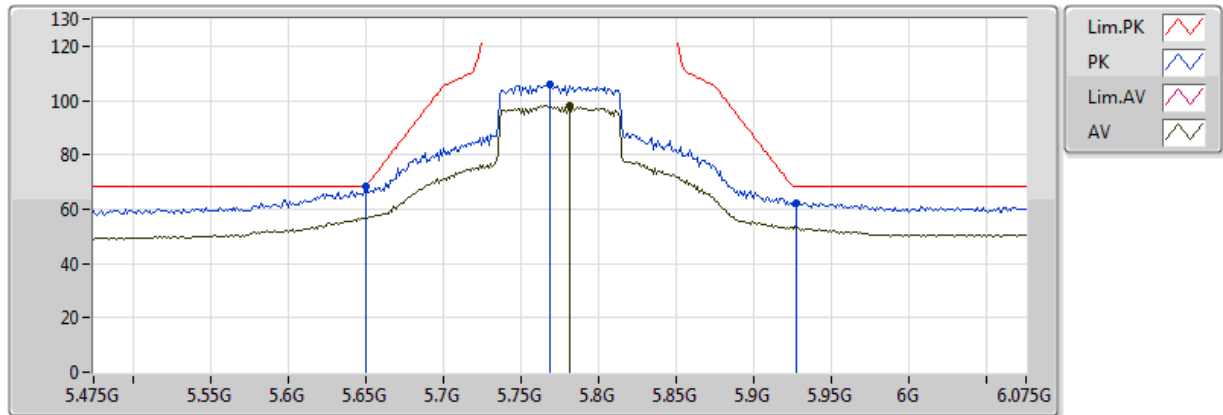


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.06G	45.56	54.00	-8.44	17.96	3	H	270	2.87	-
PK	11.06G	58.35	74.00	-15.65	17.96	3	H	270	2.87	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

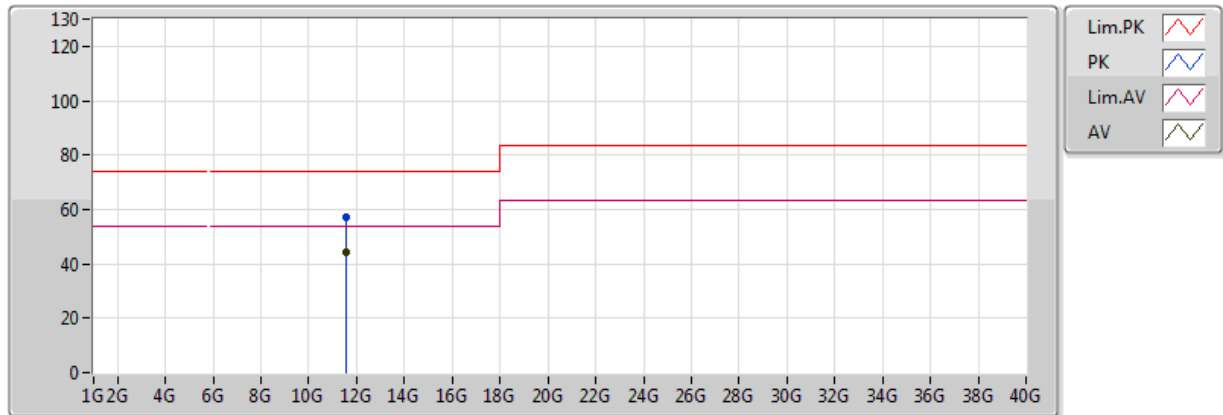


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.781G	98.01	Inf	-Inf	8.38	3	V	211	2.14	-
PK	5.6502G	68.15	68.35	-0.20	8.16	3	V	211	2.14	-
PK	5.769G	105.94	Inf	-Inf	8.36	3	V	211	2.14	-
PK	5.9274G	62.31	68.20	-5.89	8.61	3	V	211	2.14	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

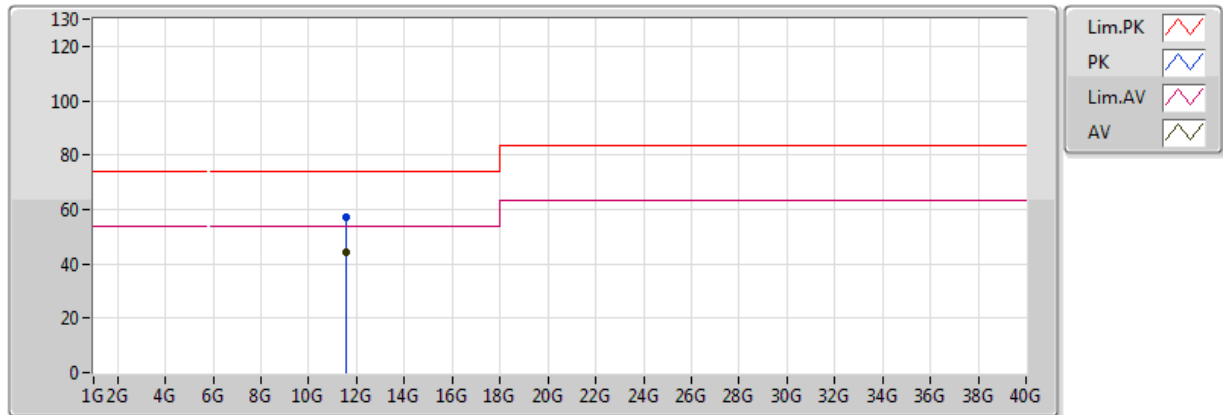


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.23	54.00	-9.77	17.64	3	V	341	1.02	-
PK	11.55G	57.02	74.00	-16.98	17.64	3	V	341	1.02	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.34	54.00	-9.66	17.64	3	H	282	3.51	-
PK	11.55G	57.21	74.00	-16.79	17.64	3	H	282	3.51	-

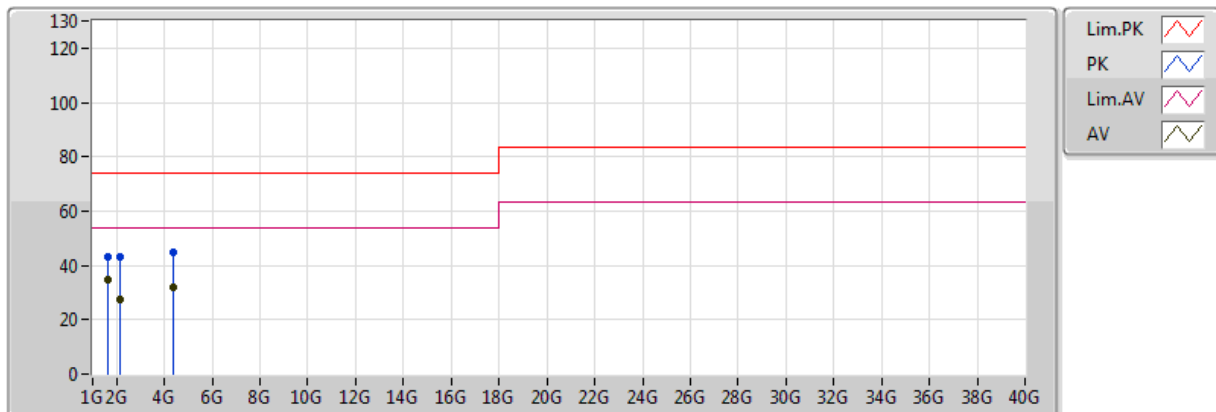
**3.5.8 Test Result of Radiated Emission Co-location****Summary**

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.624G	34.96	54.00	-19.04	-2.31	3	Vertical	121	1.72	-

**Result**

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1	Pass	AV	1.6248G	32.26	54.00	-21.74	-2.31	3	Horizontal	231	1.63	-
Mode 1	Pass	AV	2G	31.87	54.00	-22.13	-0.96	3	Horizontal	45	1.28	-
Mode 1	Pass	AV	4.2565G	32.84	54.00	-21.16	5.09	3	Horizontal	0	1.50	-
Mode 1	Pass	PK	1.6248G	42.09	74.00	-31.91	-2.31	3	Horizontal	231	1.63	-
Mode 1	Pass	PK	2G	43.75	74.00	-30.25	-0.96	3	Horizontal	45	1.28	-
Mode 1	Pass	PK	4.2565G	47.95	74.00	-26.05	5.09	3	Horizontal	0	1.50	-
Mode 1	Pass	AV	1.624G	34.96	54.00	-19.04	-2.31	3	Vertical	121	1.72	-
Mode 1	Pass	AV	2.1477G	27.69	54.00	-26.31	-0.36	3	Vertical	0	1.50	-
Mode 1	Pass	AV	4.356G	32.02	54.00	-21.98	5.31	3	Vertical	360	1.50	-
Mode 1	Pass	PK	1.624G	43.09	74.00	-30.91	-2.31	3	Vertical	121	1.72	-
Mode 1	Pass	PK	2.1477G	43.27	74.00	-30.73	-0.36	3	Vertical	0	1.50	-
Mode 1	Pass	PK	4.356G	44.93	74.00	-29.07	5.31	3	Vertical	360	1.50	-

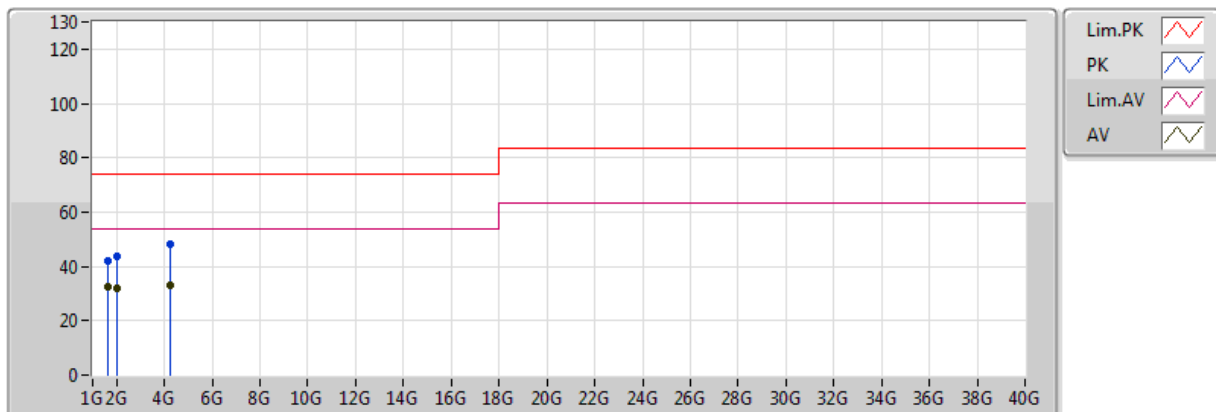
Radiated-above 1GHz_Mode 1



EUT=Z

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
AV	1.624G	34.96	54.00	-19.04	-2.31	3	Vertical	121	1.72	-
AV	2.1477G	27.69	54.00	-26.31	-0.36	3	Vertical	0	1.50	-
AV	4.356G	32.02	54.00	-21.98	5.31	3	Vertical	360	1.50	-
PK	1.624G	43.09	74.00	-30.91	-2.31	3	Vertical	121	1.72	-
PK	2.1477G	43.27	74.00	-30.73	-0.36	3	Vertical	0	1.50	-
PK	4.356G	44.93	74.00	-29.07	5.31	3	Vertical	360	1.50	-

Radiated-above 1GHz_Mode 1



EUT=Z

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
AV	1.6248G	32.26	54.00	-21.74	-2.31	3	Horizontal	231	1.63	-
AV	2G	31.87	54.00	-22.13	-0.96	3	Horizontal	45	1.28	-
AV	4.2565G	32.84	54.00	-21.16	5.09	3	Horizontal	0	1.50	-
PK	1.6248G	42.09	74.00	-31.91	-2.31	3	Horizontal	231	1.63	-
PK	2G	43.75	74.00	-30.25	-0.96	3	Horizontal	45	1.28	-
PK	4.2565G	47.95	74.00	-26.05	5.09	3	Horizontal	0	1.50	-

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

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

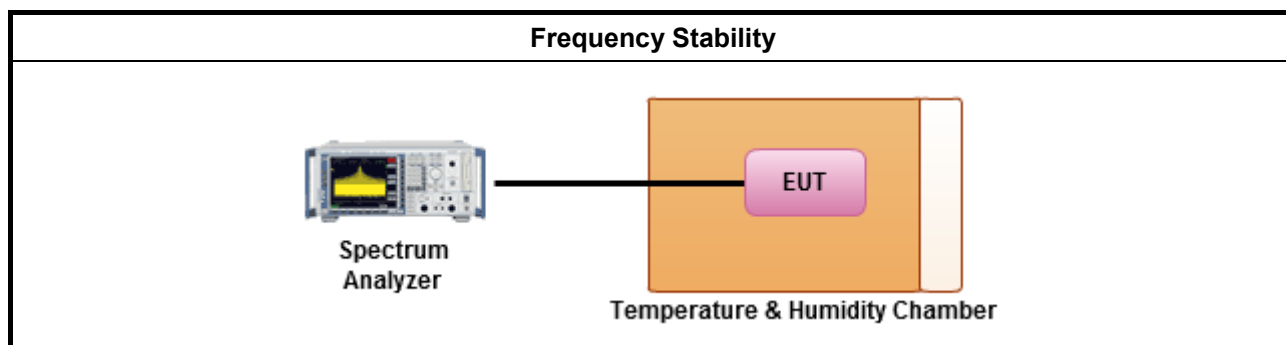
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
Refer as ANSI C63.10, clause 6.8 for frequency stability tests	
	Frequency stability with respect to ambient temperature
	Frequency stability when varying supply voltage

3.6.4 Test Setup



**3.6.5 Test Result of Frequency Stability****Summary**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-
5.25-5.35GHz	Pass	5.3G	5.2999226G	14.604	20	1	10 min

**Result**

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_(6Mbps)_2TX	-	-	-	-	-	-	-
5300MHz_0°C	Pass	5.3G	5.3000199G	3.754	20	1	0 min
5300MHz_0°C	Pass	5.3G	5.30001985G	3.745	20	1	2 min
5300MHz_0°C	Pass	5.3G	5.30001989G	3.752	20	1	5 min
5300MHz_0°C	Pass	5.3G	5.30001989G	3.754	20	1	10 min
5300MHz_10°C	Pass	5.3G	5.29999488G	0.966	20	1	0 min
5300MHz_10°C	Pass	5.3G	5.29999487G	0.968	20	1	2 min
5300MHz_10°C	Pass	5.3G	5.29999485G	0.972	20	1	5 min
5300MHz_10°C	Pass	5.3G	5.29999484G	0.973	20	1	10 min
5300MHz_20°C	Pass	5.3G	5.29996515G	6.576	20	1	0 min
5300MHz_20°C	Pass	5.3G	5.29996513G	6.58	20	1	2 min
5300MHz_20°C	Pass	5.3G	5.2999651G	6.585	20	1	5 min
5300MHz_20°C	Pass	5.3G	5.29996506G	6.592	20	1	10 min
5300MHz_30°C	Pass	5.3G	5.29994323G	10.711	20	1	0 min
5300MHz_30°C	Pass	5.3G	5.29994321G	10.715	20	1	2 min
5300MHz_30°C	Pass	5.3G	5.29994323G	10.712	20	1	5 min
5300MHz_30°C	Pass	5.3G	5.29994323G	10.712	20	1	10 min
5300MHz_40°C	Pass	5.3G	5.29992266G	14.593	20	1	0 min
5300MHz_40°C	Pass	5.3G	5.29992263G	14.598	20	1	2 min
5300MHz_40°C	Pass	5.3G	5.29992261G	14.602	20	1	5 min
5300MHz_40°C	Pass	5.3G	5.2999226G	14.604	20	1	10 min
5300MHz_138V	Pass	5.3G	5.29996459G	6.681	20	1	0 min
5300MHz_138V	Pass	5.3G	5.29996456G	6.687	20	1	2 min
5300MHz_138V	Pass	5.3G	5.29996453G	6.692	20	1	5 min
5300MHz_138V	Pass	5.3G	5.29996448G	6.702	20	1	10 min
5300MHz_120V	Pass	5.3G	5.29996473G	6.654	20	1	0 min
5300MHz_120V	Pass	5.3G	5.29996471G	6.658	20	1	2 min
5300MHz_120V	Pass	5.3G	5.29996467G	6.667	20	1	5 min
5300MHz_120V	Pass	5.3G	5.29996466G	6.668	20	1	10 min
5300MHz_102V	Pass	5.3G	5.29996486G	6.63	20	1	0 min
5300MHz_102V	Pass	5.3G	5.29996484G	6.633	20	1	2 min
5300MHz_102V	Pass	5.3G	5.29996484G	6.634	20	1	5 min
5300MHz_102V	Pass	5.3G	5.2999648G	6.642	20	1	10 min

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Test Receiver	R&S	ESR3	102052	9 kHz ~ 3.6 GHz	05/Apr/2017	04/Apr/2018
Two-Line V-Network	R&S	ENV 216	100003	9 kHz ~ 30 MHz	30/Aug/2016	29/Aug/2017
RF Cable-CON	Weiyang	WY200	CB018	9 kHz ~ 30 MHz	07/Feb/2017	06/Feb/2018
Impul Sbegrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	19/Oct/2017
Impedance Stabilization Network	TESEQ	ISN T800	24558	150 kHz ~ 30 MHz	07/Feb/2017	06/Feb/2018

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	19/Apr/2017	18/Apr/2018
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101515	9kHz ~ 40GHz	28/Nov/2016	27/Nov/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz ~ 1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	28/Oct/2016	27/Oct/2017
MicrowavePre amplifier with 6dB Attenuator	EMC INSTRUMENTS	EMC184045B & PE7005-	1840917	18GHz-40GHz	24/Aug/2016	23/Aug/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	27/Oct/2016	26/Oct/2017
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz ~ 40GHz	30/Dec/2016	29/Dec/ 2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
Temp. and Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40 ~ 100℃	21/Nov/2017	20/Nov/2018