FCC Test Report

Equipment	:	**802.11ac Tri Band PoE Access Point**
Brand Name	:	**LITE-ON, MOJO**
Model No.	:	**WP9333, WP9331, O-105, WP9331-FM**
FCC ID	:	**PPQ-WP9333**
Standard	:	**47 CFR FCC Part 15.407**
Operating Band	:	**5150 MHz – 5250 MHz** **5725 MHz – 5850 MHz**
Applicant	:	**LITE-ON Technology Corp.** **Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City, 23585 Taiwan**
Manufacturer	:	**Lite-On Network Communication (Dongguan) Limited** **30#Keji Rd.,Yin Hu Industrial Area,Qingxi Town,DongGuan City,Guangdong,China**
Function	:	**☐ Outdoor; ☒ Indoor; ☐ Fixed P2P** **☐ Client**

The product sample received on Sep. 07, 2017 and completely tested on Oct. 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 / Assistant Manager

Testing Laboratory
1190

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Summary of Test Result

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

Revision History

Report No.	Version	Description	Issued Date
FR790613AN	Rev. 01	Initial issue of report	Jan. 19, 2018
FR790613AN	Rev. 02	Revise Typo	Jan. 22, 2018

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]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	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, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Radio
1	2	Walsin	RFMTA400809MMLB901	Metal Antenna	MMCX	R1
2	1	Walsin	RFMTA400811MMLB901	Metal Antenna	MMCX	R1
3	2	Walsin	RFMTA400814MM5B901	Metal Antenna	MMCX	R2
4	1	Walsin	RFMTA400816MM5B901	Metal Antenna	MMCX	R2
5	2	Master Wave Technology Co., Ltd	98P7RPIPF000	PCB Antenna	I-PEX	R3
6	1	Master Wave Technology Co., Ltd	98P7RPIPF001	PCB Antenna	I-PEX	R3
7	1	Walsin	RFPCA381017MMAB702	PCB Antenna	MMCX	R4

Ant.	Gain (dBi)						
	Radio 1	Radio 2		Radio 3			Radio 4
	2.4G	5G B1	5G B4	2.4G	5G B1	5G B4	BT
1	5.9	-	-	-	-	-	-
2	5.9	-	-	-	-	-	-
3	-	6.2	6.4	-	-	-	-
4	-	6.2	6.4	-	-	-	-
5	-	-	-	6.5	4.7	6.0	-
6	-	-	-	6.5	4.8	5.5	-
7	-	-	-	-	-	-	8.6

Note 1: The EUT has seven antennas.

Note 2: The EUT contain Radio 3 (2.4G)/(5G) RF module (Model Name: WM862FEMD, FCC ID: PPQ-WM862FEMD)

For 2.4 GHz function:

For IEEE 802.11b/g/n/ac mode (2TX/2RX)

Radio 1

Ant. 1 (port 2) and Ant. 2 (port 1) could transmit/receive simultaneously.

Radio 3

Ant. 5 (port 2) and Ant. 6 (port 1) could transmit/receive simultaneously.

For 5 GHz function:

For IEEE 802.11a/n/ac mode (2TX/2RX)

Radio 2 (For B1 and B4)

Ant. 3 (port 2) and Ant. 4 (port 1) could transmit/receive simultaneously.

Radio 3 (For B1 and B4)

Ant. 5 (port 2) and Ant. 6 (port 1) could transmit/receive simultaneously.

For Bluetooth function:

For Bluetooth mode (1TX/1RX)

Radio 4

Only Ant. 7 (port 1) can be used as transmitting/receiving antenna.

Note 3:

- The Signals support CDD and correlated, and transmits simultaneously in multiple channels in single or multiple frequency bands.
- If all antennas have the same gain, GANT:

Directional gain = GANT + 10 log(NANT/NSS) dBi, where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi. (This formula can also be applied when antennas have different gains if the highest antenna gain is substituted for GANT.)

- For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT;

Array Gain = 5 log(NANT/NSS) dB or 3 dB, whichever is less,for 20-MHz channel widths with NANT ≥ 5.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC main / PoE			
Beamforming Function	☐	With beamforming	☒	Without beamforming
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) ≥ 1/T
802.11a	0.965	0.155	2.065m	1k
802.11ac VHT20	0.985	0.066	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40	0.97	0.132	2.438m	1k
802.11ac VHT80	0.939	0.273	1.15m	1k

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	CPU	CPU Brand	DDR	DDR Brand	Flash	Flash Brand/Model
LITE-ON	WP9333	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
		IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
	WP9331	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
		IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
	WP9331-FM	IPQ4029	Qualcomm Atheros	512	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
MOJO	O-105	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
		IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND

Brand Name	Model Name	Radio 1	Radio 2	Radio 3	Radio 4	EUT Power Type
LITE-ON	WP9333	V	V	V	V	AC main / PoE
	WP9331	V	V	X	V	PoE
	WP9331-FM	V	V	X	V	PoE
MOJO	O-105	V	V	X	V	PoE

Note:
Radio 1: 802.11ac 2.4G only
Radio 2: 802.11ac 5GHz on board
Radio 3: 802.11agnac PCIe card, 2.4G+5GB1/B4
Radio 4: Bluetooth (BT LE and BR/EDR) on board

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	Tim	22.5°C / 66%	12/Sep/2017
Radiated	03CH02-HY	Jerry	23.5°C / 65%	15/Sep/2017
AC Conduction	CO04-HY	Jeff	23.4°C / 53%	03/Oct/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

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
-20°C	-	-
-10°C	-	-
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
50°C	-	-
60°C	-	-
65°C	-	-
138V	-	-
120V	-	-

2.2 Test Channel Mode

Test Software Version	QDART-Connectivity100038

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	19.5
5200MHz	22.5
5240MHz	23
5745MHz	22.5
5785MHz	22
5825MHz	22
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	20.5
5200MHz	22
5240MHz	22.5
5745MHz	23.5
5785MHz	22.5
5825MHz	22
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	18
5230MHz	23.5
5755MHz	24
5795MHz	23.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	18.5
5775MHz	23.5

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	CTX
1	PoE mode
2	AC mode
Mode 2 configuration was tested and found to be the worst case and measured during the test.	

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	1. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (2.4G) + Radio 4 (BT)
	2. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (5G) + Radio 4 (BT)
Refer to Sporton Test Report No.: FA790613 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories		
Power Cable	**Signal Line**	6 meter, non-shielded cable, w/o ferrite core
Ground Wire	**Signal Line**	6.4 meter, non-shielded cable, w/o ferrite core

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
3	AC Source	G.W	APS-9102	-

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE	Microsemi	PD-9001G	-

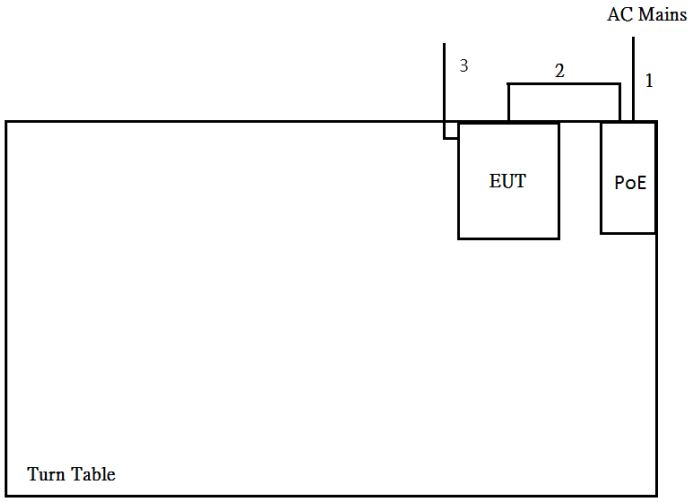
Note: Support equipment No.1 was provided by customer.

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE	Microsemi	PD-9001G	-

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

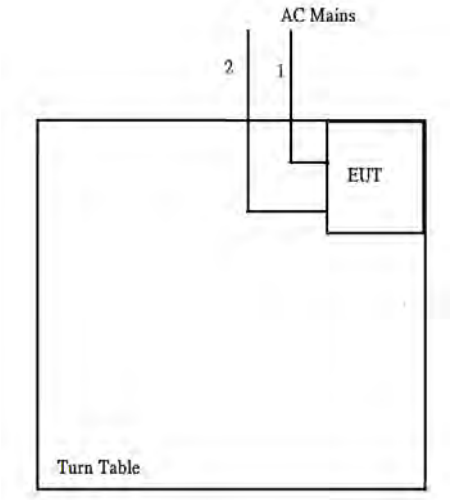
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (PoE mode)



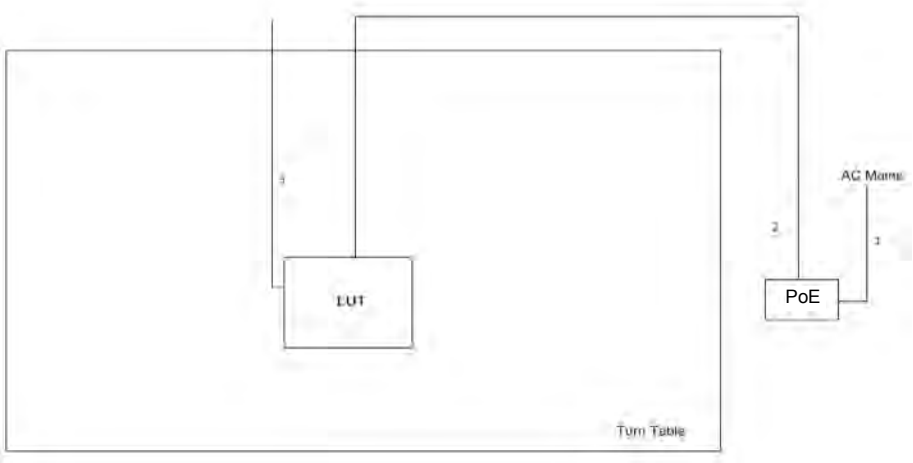
Item	Connection	Shielded	Length
1	AC power line	No	1.2m
2	RJ-45 cable	No	1m
3	Ground wire	No	6.4m

Test Setup Diagram – AC Line Conducted Emission Test (AC mode)



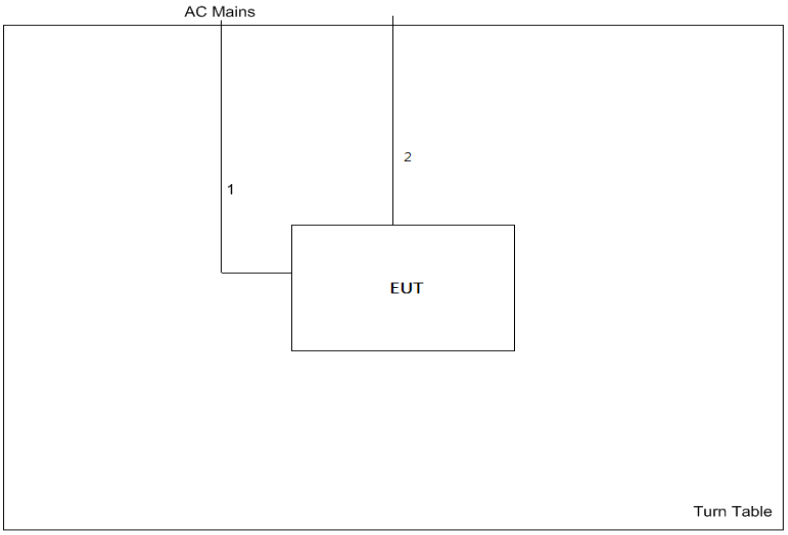
Item	Connection	Shielded	Length
1	AC power line	No	6m
2	Ground wire	No	6.4m

Test Setup Diagram - Radiated Test (PoE mode)



Item	Connection	Shielded	Length
1	AC power line	No	1.2m
2	RJ-45 cable	No	10m
3	Ground wire	No	6.4m

Test Setup Diagram - Radiated Test (AC mode)



Item	Connection	Shielded	Length
1	AC power line	No	6m
2	Ground wire	No	6.4m

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

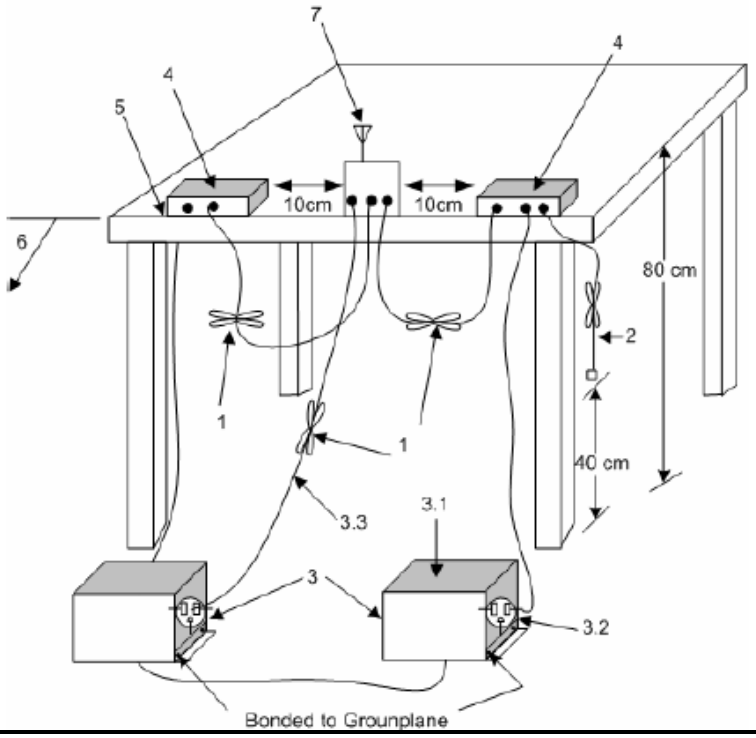
Refer a test equipment and calibration data table in this test report.

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

AC Power-line Conducted Emissions



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☐	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

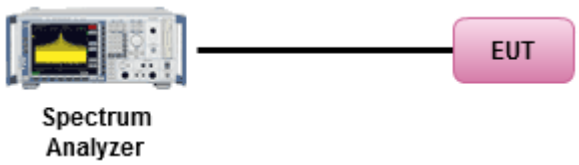
3.2.2 Measuring Instruments

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

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☐	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
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 ≥ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
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.	

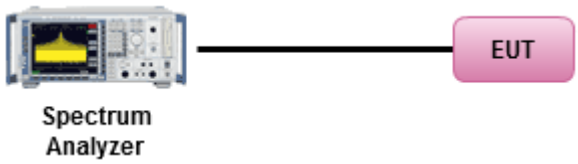
3.4.2 Measuring Instruments

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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.

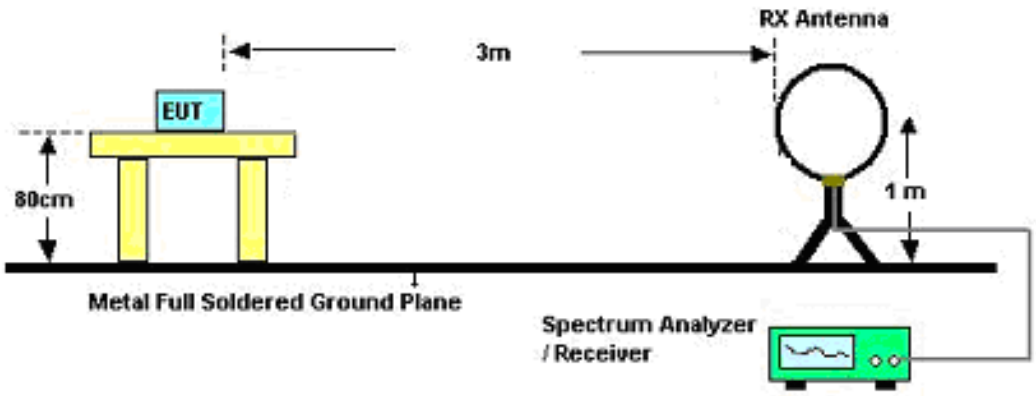
3.5.3 Test Procedures

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 ≥ 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.

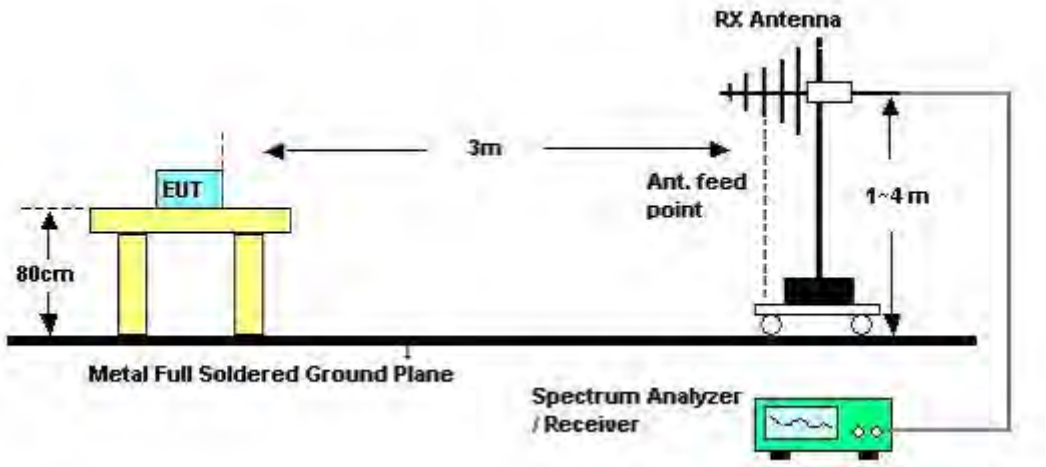
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

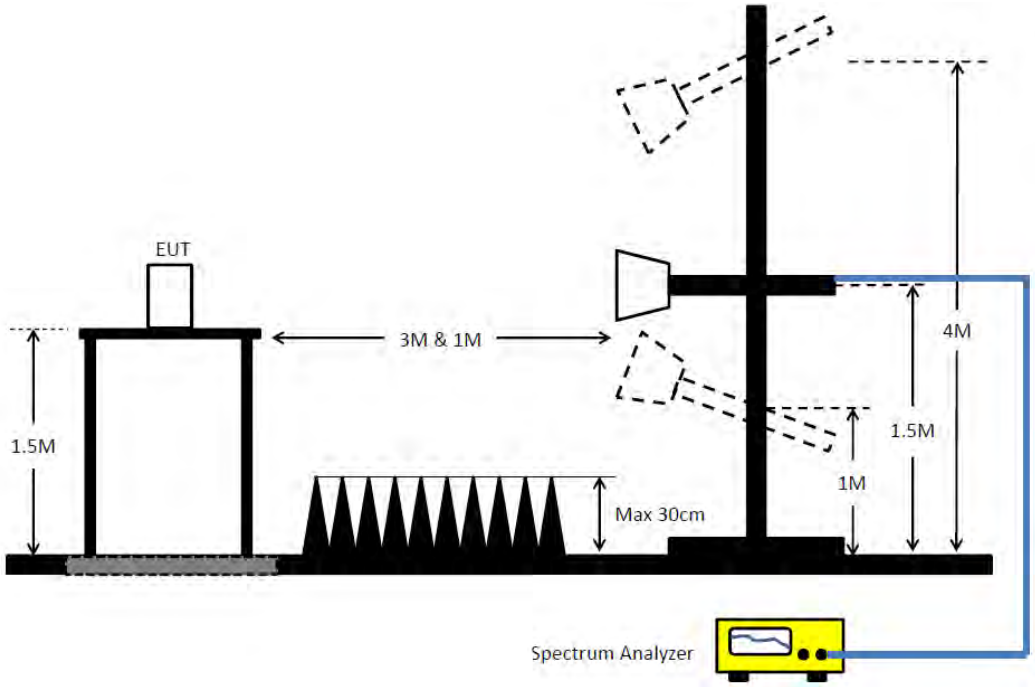
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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.

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Frequency Stability

3.6.1 Frequency Stability Limit

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

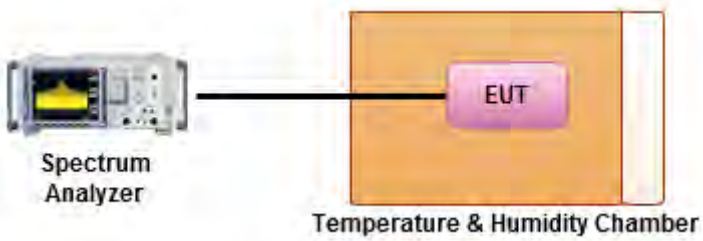
3.6.2 Measuring Instruments

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

Frequency Stability


3.6.5 Test Result of Frequency Stability

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	0761183202000 1	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

NCR : Non-Calibration Require

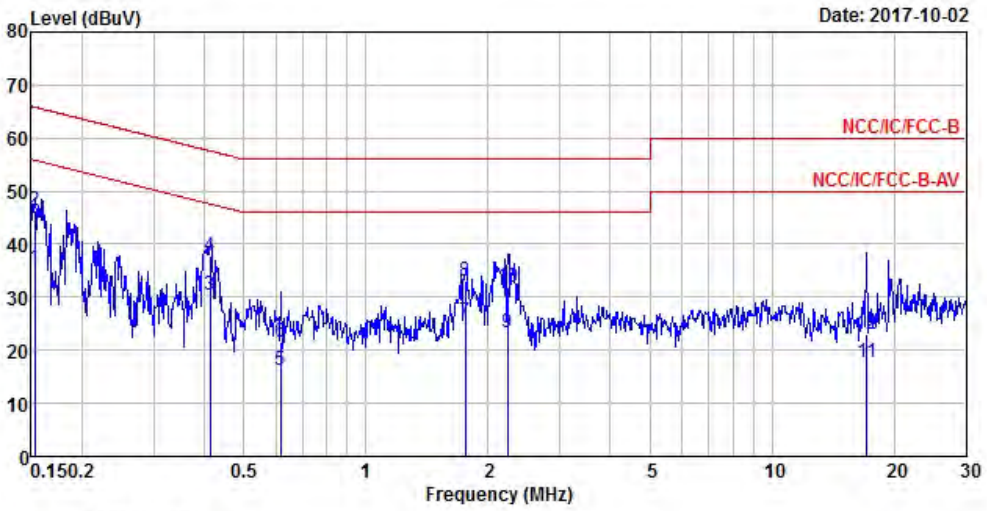
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	20/Sep/2016	19/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Amplifier	MITEQ	JS44-18004000-3 3-8P	1840917	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

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/2016	20/Nov/2018

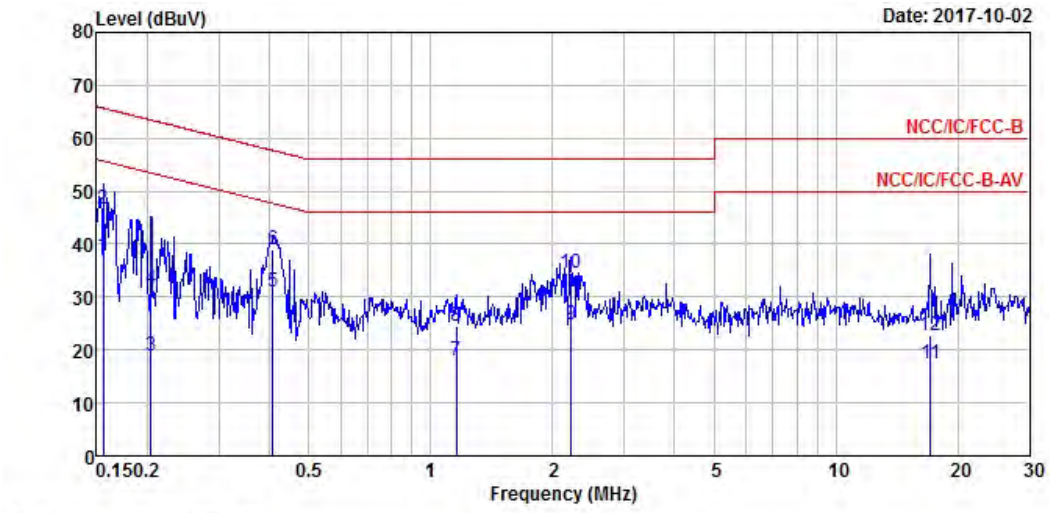
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	PoE mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15321	35.46	-20.36	55.82	25.64	9.60	0.22	Average
2	0.15321	46.38	-19.44	65.82	36.56	9.60	0.22	QP
3 MAX	0.41266	30.34	-17.25	47.59	20.61	9.63	0.10	Average
4	0.41266	37.85	-19.74	57.59	28.12	9.63	0.10	QP
5	0.61726	16.17	-29.83	46.00	6.46	9.61	0.10	Average
6	0.61726	21.57	-34.43	56.00	11.86	9.61	0.10	QP
7	1.75295	25.31	-20.69	46.00	15.41	9.64	0.26	Average
8	1.75295	33.17	-22.83	56.00	23.27	9.64	0.26	QP
9	2.23675	23.29	-22.71	46.00	13.36	9.66	0.27	Average
10	2.23675	31.77	-24.23	56.00	21.84	9.66	0.27	QP
11	17.10851	17.62	-32.38	50.00	7.56	9.86	0.20	Average
12	17.10851	22.95	-37.05	60.00	12.89	9.86	0.20	QP

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

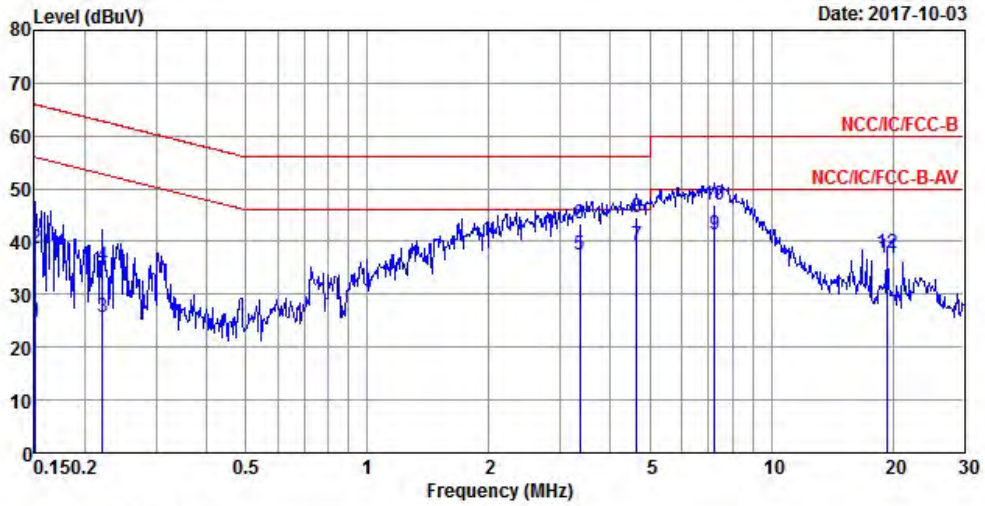
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	PoE mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15567	37.86	-17.83	55.69	27.97	9.66	0.23	Average
2	0.15567	46.73	-18.96	65.69	36.84	9.66	0.23	QP
3	0.20396	19.00	-34.45	53.45	9.06	9.65	0.29	Average
4	0.20396	31.65	-31.80	63.45	21.71	9.65	0.29	QP
5 MAX	0.40831	31.04	-16.64	47.68	21.26	9.68	0.10	Average
6	0.40831	38.82	-18.86	57.68	29.04	9.68	0.10	QP
7	1.15955	17.87	-28.13	46.00	8.07	9.66	0.14	Average
8	1.15955	24.47	-31.53	56.00	14.67	9.66	0.14	QP
9	2.22493	24.86	-21.14	46.00	14.80	9.79	0.27	Average
10	2.22493	34.53	-21.47	56.00	24.47	9.79	0.27	QP
11	17.10851	17.46	-32.54	50.00	7.40	9.86	0.20	Average
12	17.10851	22.85	-37.15	60.00	12.79	9.86	0.20	QP

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

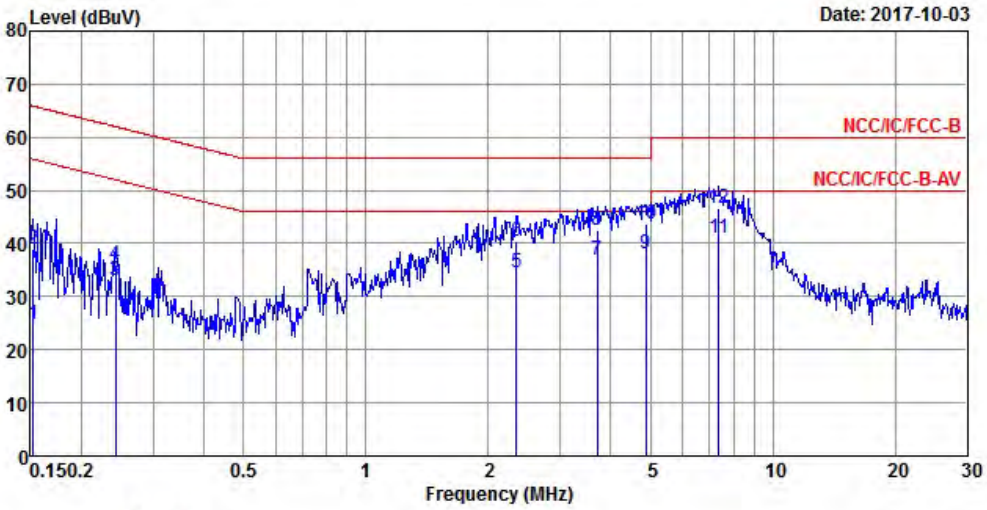
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	AC mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15080	24.72	-31.24	55.96	14.90	9.60	0.22	Average
2	0.15080	38.82	-27.14	65.96	29.00	9.60	0.22	QP
3	0.22083	25.61	-27.18	52.79	15.68	9.66	0.27	Average
4	0.22083	35.45	-27.34	62.79	25.52	9.66	0.27	QP
5	3.36353	37.55	-8.45	46.00	27.71	9.69	0.15	Average
6	3.36353	43.27	-12.73	56.00	33.43	9.69	0.15	QP
7 MAX	4.64685	39.26	-6.74	46.00	29.43	9.71	0.12	Average
8	4.64685	44.60	-11.40	56.00	34.77	9.71	0.12	QP
9	7.25179	41.47	-8.53	50.00	31.58	9.73	0.16	Average
10	7.25179	46.93	-13.07	60.00	37.04	9.73	0.16	QP
11	19.40089	36.76	-13.24	50.00	26.68	9.88	0.20	Average
12	19.40089	37.82	-22.18	60.00	27.74	9.88	0.20	QP

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

AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Line
Operating Function	AC mode		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15240	24.69	-31.18	55.87	14.81	9.66	0.22	Average
2		0.15240	39.00	-26.87	65.87	29.12	9.66	0.22	QP
3		0.24293	33.11	-18.89	52.00	23.21	9.66	0.24	Average
4		0.24293	35.90	-26.10	62.00	26.00	9.66	0.24	QP
5		2.34599	34.62	-11.38	46.00	24.58	9.79	0.25	Average
6		2.34599	40.54	-15.46	56.00	30.50	9.79	0.25	QP
7		3.70011	37.04	-8.96	46.00	27.15	9.77	0.12	Average
8		3.70011	42.58	-13.42	56.00	32.69	9.77	0.12	QP
9	MAX	4.87380	38.03	-7.97	46.00	28.15	9.76	0.12	Average
10		4.87380	43.67	-12.33	56.00	33.79	9.76	0.12	QP
11		7.36798	41.17	-8.83	50.00	31.25	9.75	0.17	Average
12		7.36798	46.52	-13.48	60.00	36.60	9.75	0.17	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.725M	16.442M	16M4D1D	18.95M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.4M	17.666M	17M7D1D	19.975M	17.616M
802.11ac VHT40_Nss1,(MCS0)_2TX	65.7M	36.182M	36M2D1D	39.4M	35.932M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.5M	75.862M	75M9D1D	83.1M	75.662M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.35M	16.467M	16M5D1D	16.325M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.6M	17.666M	17M7D1D	17.5M	17.566M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.9M	36.132M	36M1D1D	35.1M	36.082M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.3M	75.762M	75M8D1D	75.1M	75.662M

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;

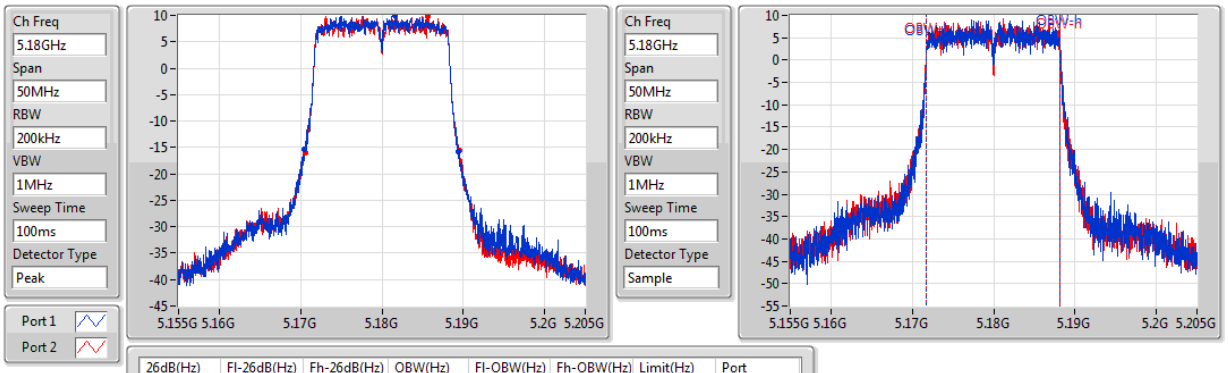
Result

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_TnomVnom	Pass	Inf	19.05M	16.417M	18.95M	16.392M
5200MHz_TnomVnom	Pass	Inf	21.25M	16.392M	20M	16.417M
5240MHz_TnomVnom	Pass	Inf	24.725M	16.442M	20.05M	16.442M
5745MHz_TnomVnom	Pass	500k	16.35M	16.467M	16.35M	16.392M
5785MHz_TnomVnom	Pass	500k	16.325M	16.442M	16.35M	16.392M
5825MHz_TnomVnom	Pass	500k	16.325M	16.417M	16.325M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	19.975M	17.616M	20.325M	17.641M
5200MHz_TnomVnom	Pass	Inf	20.375M	17.616M	20.4M	17.666M
5240MHz_TnomVnom	Pass	Inf	20.3M	17.641M	20.375M	17.641M
5745MHz_TnomVnom	Pass	500k	17.575M	17.666M	17.6M	17.591M
5785MHz_TnomVnom	Pass	500k	17.575M	17.641M	17.575M	17.591M
5825MHz_TnomVnom	Pass	500k	17.575M	17.641M	17.5M	17.566M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	39.4M	35.982M	39.7M	35.932M
5230MHz_TnomVnom	Pass	Inf	65.7M	36.182M	58.45M	36.032M
5755MHz_TnomVnom	Pass	500k	35.25M	36.132M	35.9M	36.082M
5795MHz_TnomVnom	Pass	500k	35.1M	36.082M	35.25M	36.132M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	Inf	83.5M	75.862M	83.1M	75.662M
5775MHz_TnomVnom	Pass	500k	75.3M	75.662M	75.1M	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

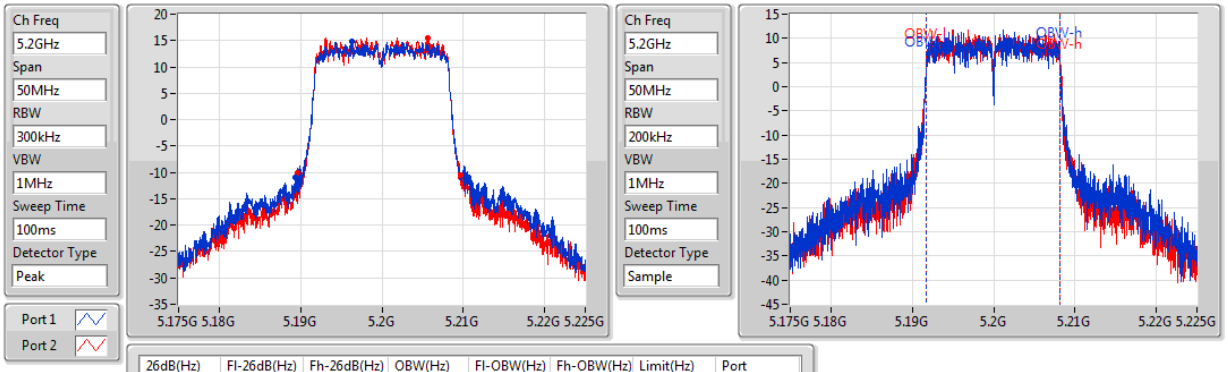
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.05M	5.1704G	5.18945G	16.417M	5.171779G	5.188196G	Inf	1
18.95M	5.17055G	5.1895G	16.392M	5.171779G	5.188171G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

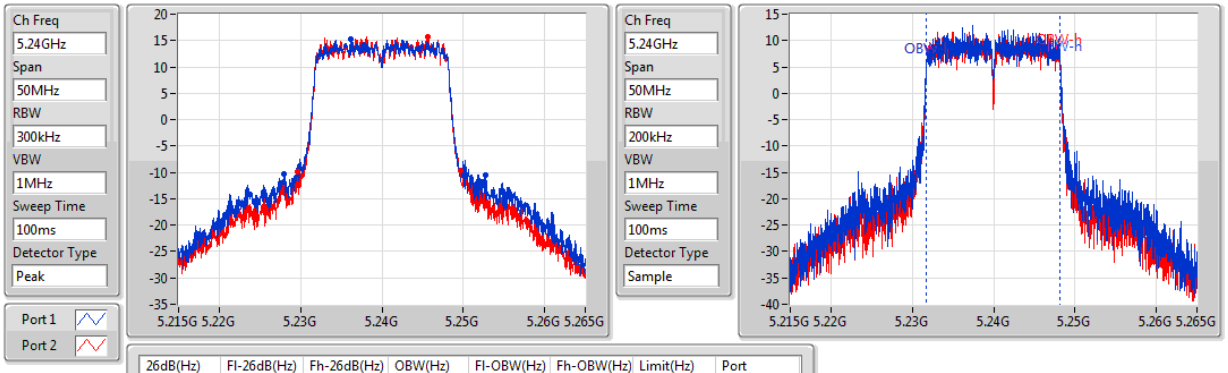
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.25M	5.1894G	5.21065G	16.392M	5.191779G	5.208171G	Inf	1
20M	5.189625G	5.209625G	16.417M	5.191779G	5.208196G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

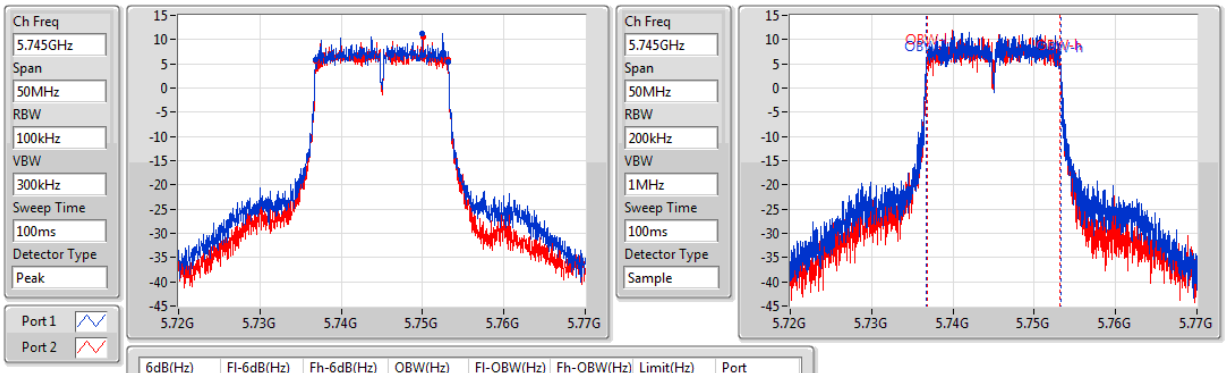
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.725M	5.228G	5.252725G	16.442M	5.231754G	5.248196G	Inf	1
20.05M	5.229575G	5.249625G	16.442M	5.231754G	5.248196G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

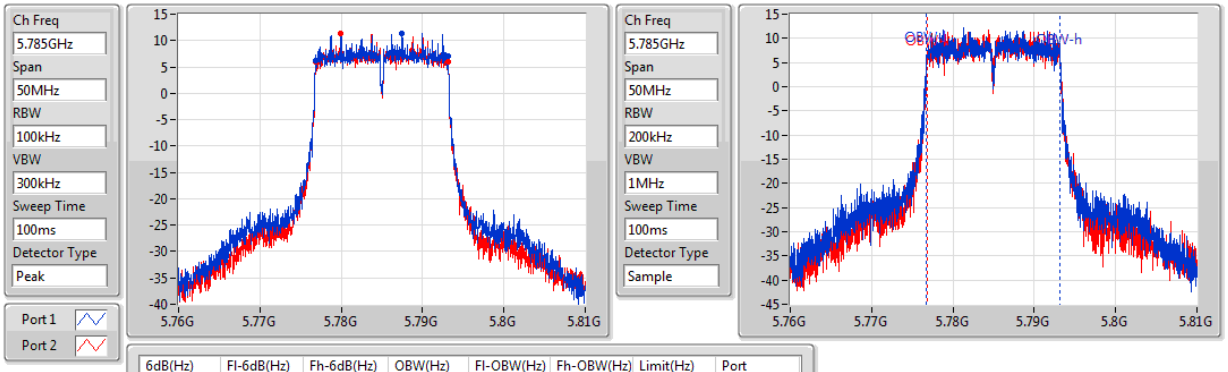
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	5.736825G	5.753175G	16.467M	5.736754G	5.753221G	500k	1
16.35M	5.736825G	5.753175G	16.392M	5.736804G	5.753196G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

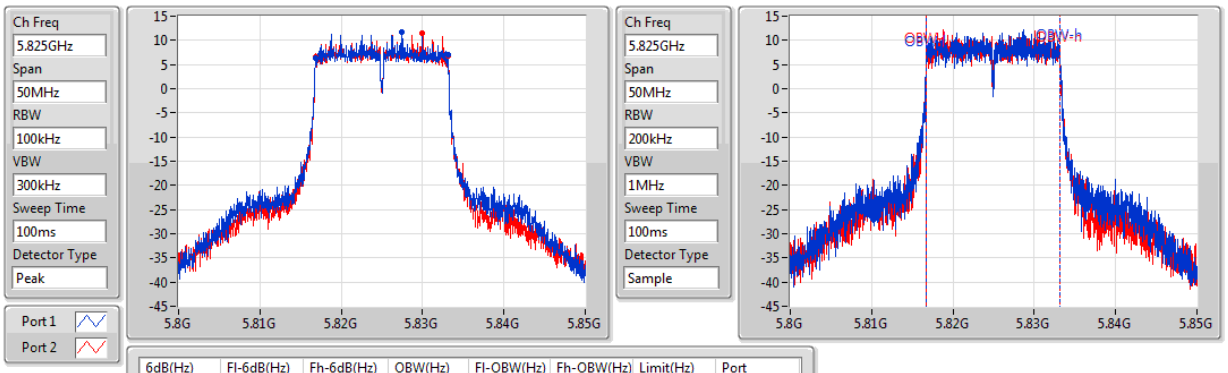
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.776825G	5.79315G	16.442M	5.776754G	5.793196G	500k	1
16.35M	5.776825G	5.793175G	16.392M	5.776804G	5.793196G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

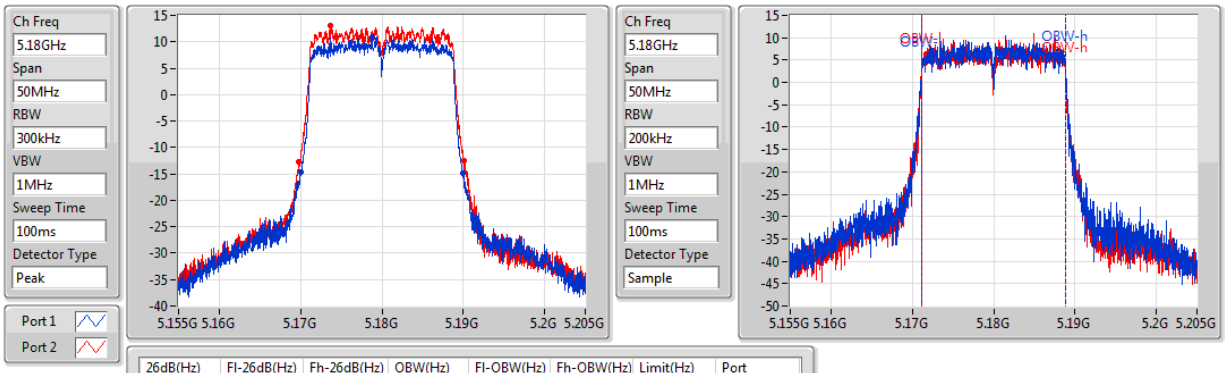
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	5.816825G	5.83315G	16.417M	5.816779G	5.833196G	500k	1
16.325M	5.816825G	5.83315G	16.392M	5.816779G	5.833171G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

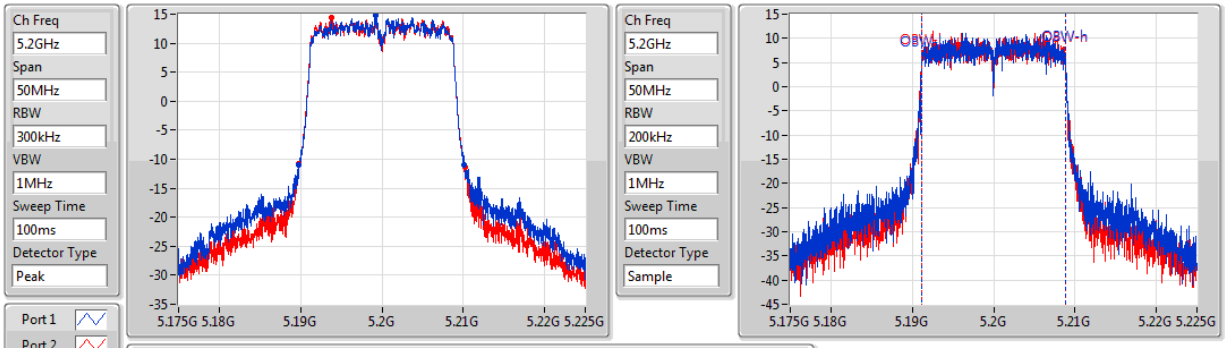
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.975M	5.169975G	5.18995G	17.616M	5.171179G	5.188796G	Inf	1
20.325M	5.1698G	5.190125G	17.641M	5.171154G	5.188796G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

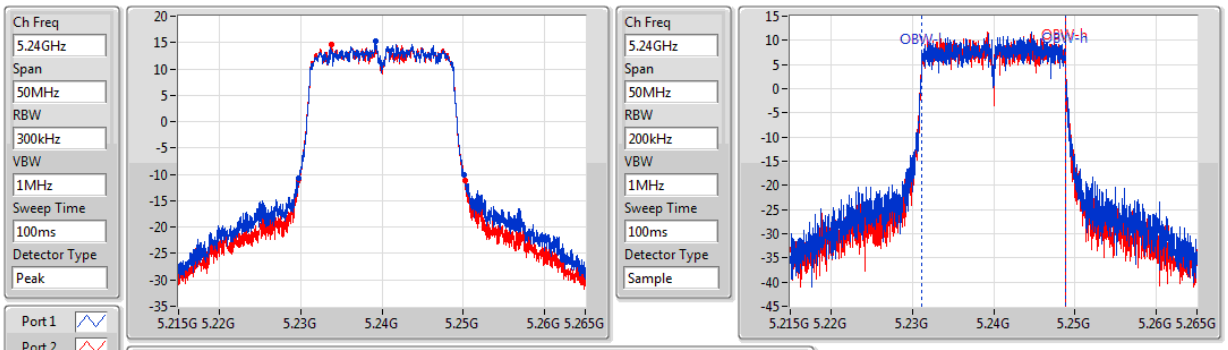
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.375M	5.18975G	5.210125G	17.616M	5.191179G	5.208796G	Inf	1
20.4M	5.189825G	5.210225G	17.666M	5.191154G	5.208821G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

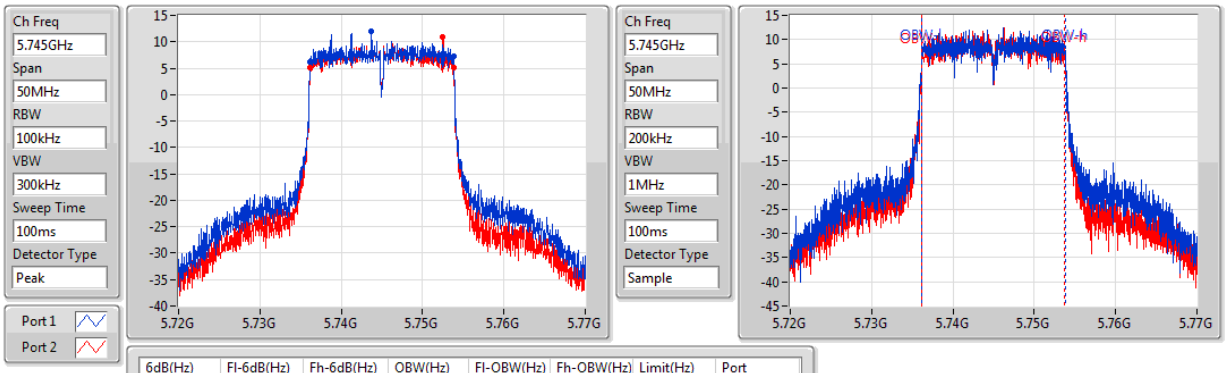
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.3M	5.2298G	5.2501G	17.641M	5.231179G	5.248821G	Inf	1
20.375M	5.2298G	5.250175G	17.641M	5.231154G	5.248796G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

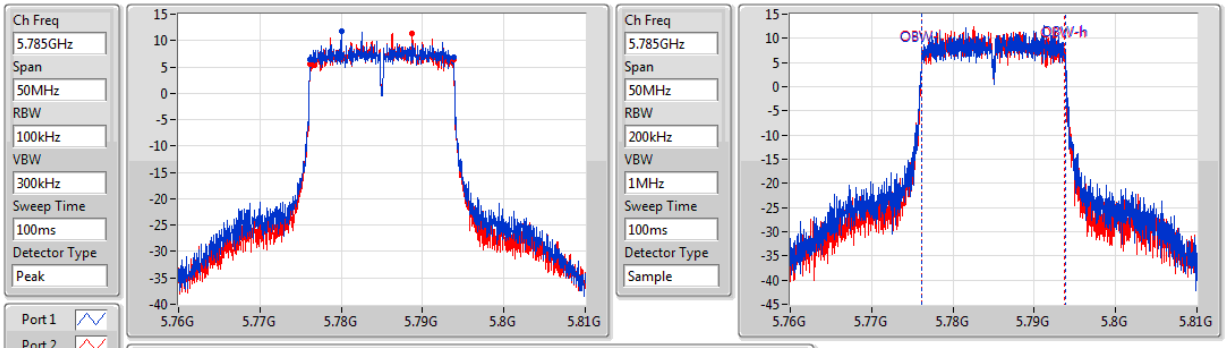
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7362G	5.753775G	17.666M	5.736154G	5.753821G	500k	1
17.6M	5.7362G	5.7538G	17.591M	5.736179G	5.753771G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

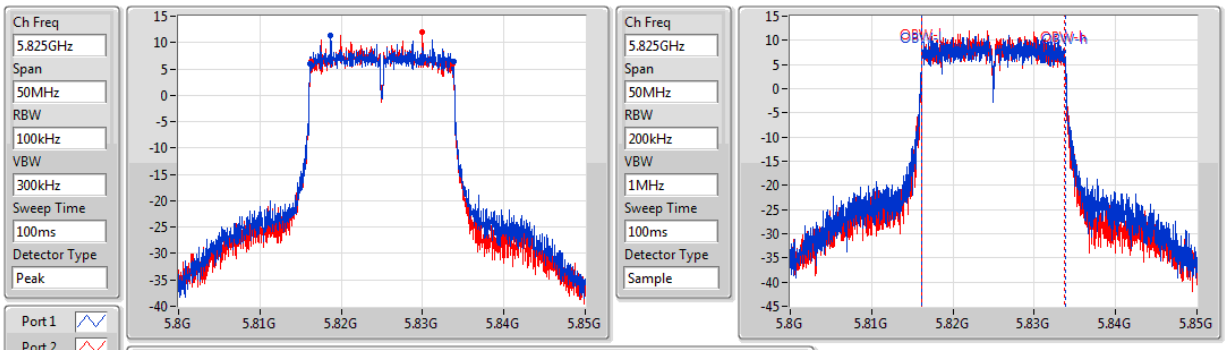
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.7762G	5.793775G	17.641M	5.776154G	5.793796G	500k	1
17.575M	5.7762G	5.793775G	17.591M	5.776179G	5.793771G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX **EBW**

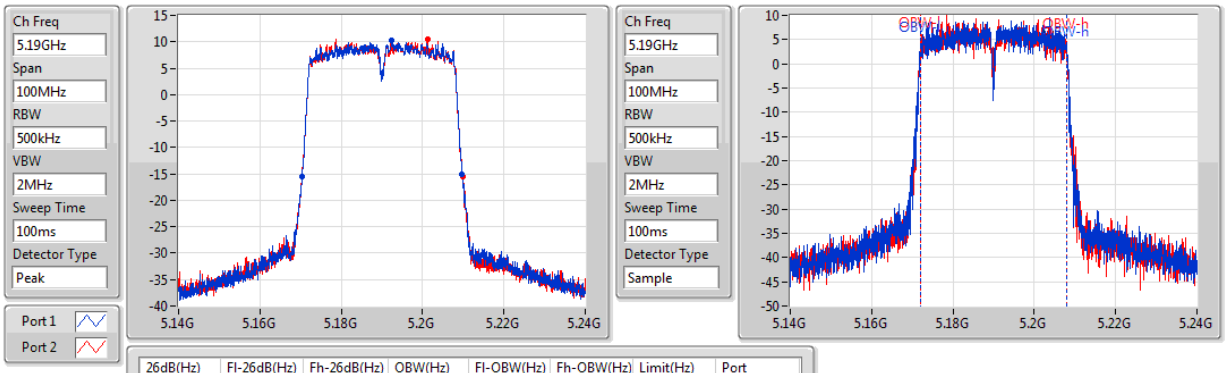
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	5.8162G	5.833775G	17.641M	5.816154G	5.833796G	500k	1
17.5M	5.81625G	5.83375G	17.566M	5.816179G	5.833746G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

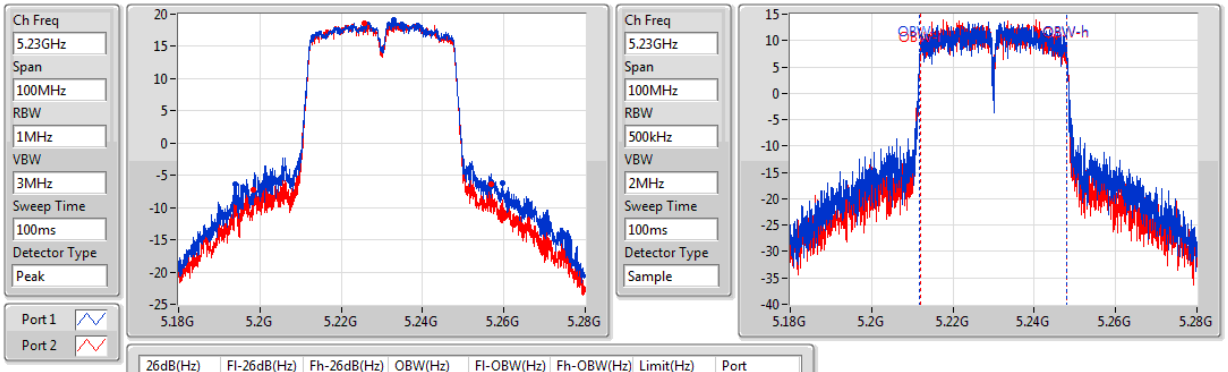
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.4M	5.17035G	5.20975G	35.982M	5.172009G	5.207991G	Inf	1
39.7M	5.1703G	5.21G	35.932M	5.172009G	5.207941G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

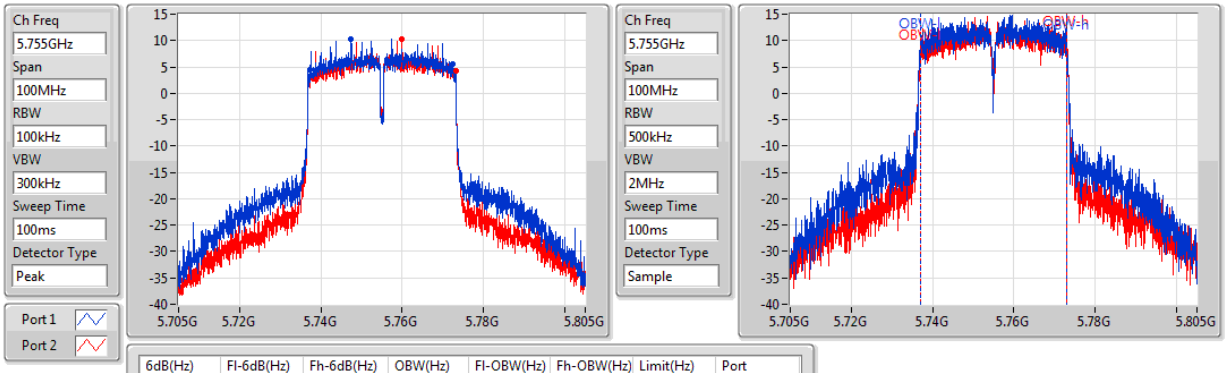
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
65.7M	5.194G	5.2597G	36.182M	5.211859G	5.248041G	Inf	1
58.45M	5.1983G	5.25675G	36.032M	5.211959G	5.247991G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

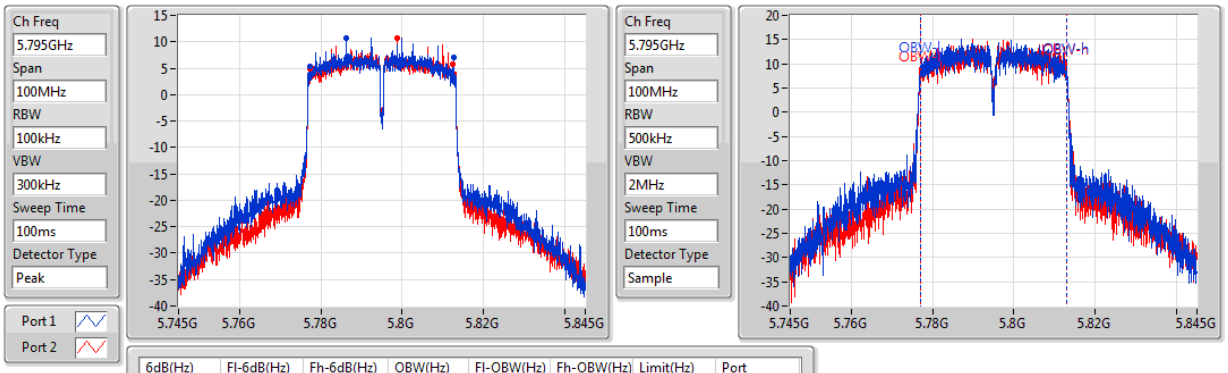
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	5.73725G	5.7725G	36.132M	5.736909G	5.773041G	500k	1
35.9M	5.73725G	5.77315G	36.082M	5.737009G	5.773091G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

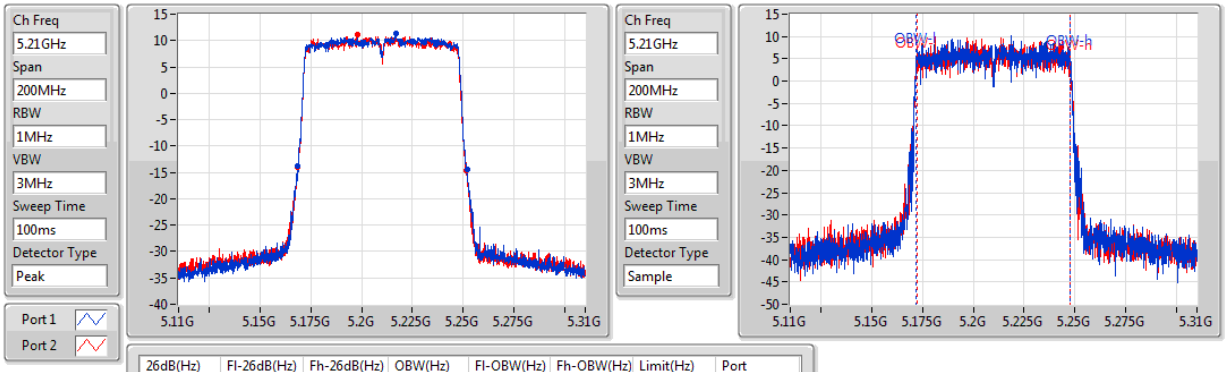
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	5.77745G	5.81255G	36.082M	5.776909G	5.812991G	500k	1
35.25M	5.77725G	5.8125G	36.132M	5.776909G	5.813041G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

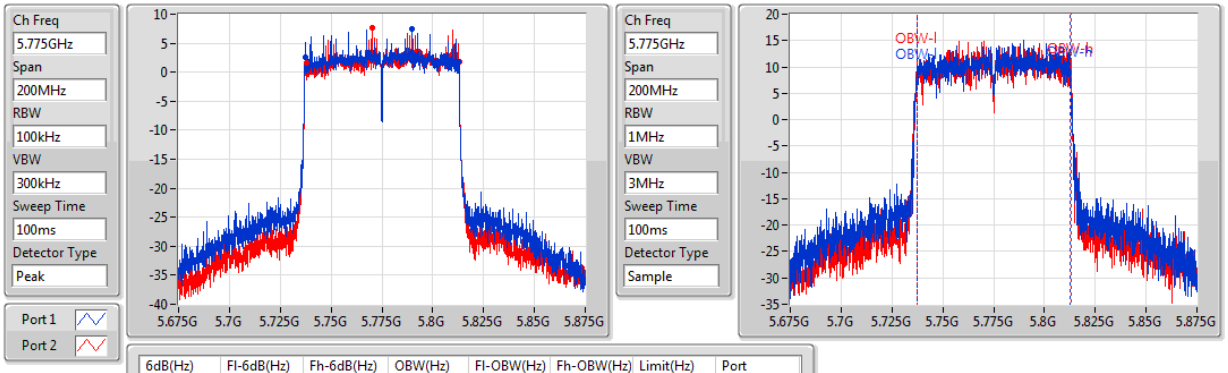
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.5M	5.1684G	5.2519G	75.862M	5.172019G	5.247881G	Inf	1
83.1M	5.1686G	5.2517G	75.662M	5.172119G	5.247781G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.3M	5.7372G	5.8125G	75.662M	5.737119G	5.812781G	500k	1
75.1M	5.7381G	5.8132G	75.762M	5.737219G	5.812981G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.36	0.43251	32.56	1.80302
802.11ac VHT20_Nss1,(MCS0)_2TX	25.97	0.39537	32.17	1.64816
802.11ac VHT40_Nss1,(MCS0)_2TX	27.39	0.54828	33.59	2.28560
802.11ac VHT80_Nss1,(MCS0)_2TX	22.25	0.16788	28.45	0.69984
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	26.15	0.41210	32.55	1.79887
802.11ac VHT20_Nss1,(MCS0)_2TX	26.66	0.46345	33.06	2.02302
802.11ac VHT40_Nss1,(MCS0)_2TX	27.79	0.60117	34.19	2.62422
802.11ac VHT80_Nss1,(MCS0)_2TX	27.08	0.51050	33.48	2.22844

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	6.20	23.29	29.80	29.49	36.00	20.38	20.17
5200MHz_TnomVnom	Pass	6.20	26.12	29.80	32.32	36.00	23.04	23.18
5240MHz_TnomVnom	Pass	6.20	26.36	29.80	32.56	36.00	23.40	23.29
5745MHz_TnomVnom	Pass	6.40	25.61	29.60	32.01	36.00	22.82	22.37
5785MHz_TnomVnom	Pass	6.40	25.91	29.60	32.31	36.00	22.98	22.81
5825MHz_TnomVnom	Pass	6.40	26.15	29.60	32.55	36.00	23.13	23.15
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	6.20	24.45	29.80	30.65	36.00	21.56	21.32
5200MHz_TnomVnom	Pass	6.20	25.78	29.80	31.98	36.00	22.72	22.82
5240MHz_TnomVnom	Pass	6.20	25.97	29.80	32.17	36.00	23.00	22.92
5745MHz_TnomVnom	Pass	6.40	26.66	29.60	33.06	36.00	23.80	23.50
5785MHz_TnomVnom	Pass	6.40	26.51	29.60	32.91	36.00	23.53	23.46
5825MHz_TnomVnom	Pass	6.40	26.26	29.60	32.66	36.00	23.20	23.30
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	6.20	22.16	29.80	28.36	36.00	19.17	19.12
5230MHz_TnomVnom	Pass	6.20	27.39	29.80	33.59	36.00	24.50	24.26
5755MHz_TnomVnom	Pass	6.40	27.50	29.60	33.90	36.00	24.76	24.21
5795MHz_TnomVnom	Pass	6.40	27.79	29.60	34.19	36.00	24.85	24.71
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz_TnomVnom	Pass	6.20	22.25	29.80	28.45	36.00	19.37	19.10
5775MHz_TnomVnom	Pass	6.40	27.08	29.60	33.48	36.00	24.21	23.93

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	13.78	22.99
802.11ac VHT20_Nss1,(MCS0)_2TX	13.55	22.76
802.11ac VHT40_Nss1,(MCS0)_2TX	11.84	21.05
802.11ac VHT80_Nss1,(MCS0)_2TX	3.63	12.84
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	12.03	21.44
802.11ac VHT20_Nss1,(MCS0)_2TX	12.82	22.23
802.11ac VHT40_Nss1,(MCS0)_2TX	10.81	20.22
802.11ac VHT80_Nss1,(MCS0)_2TX	7.03	16.44

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

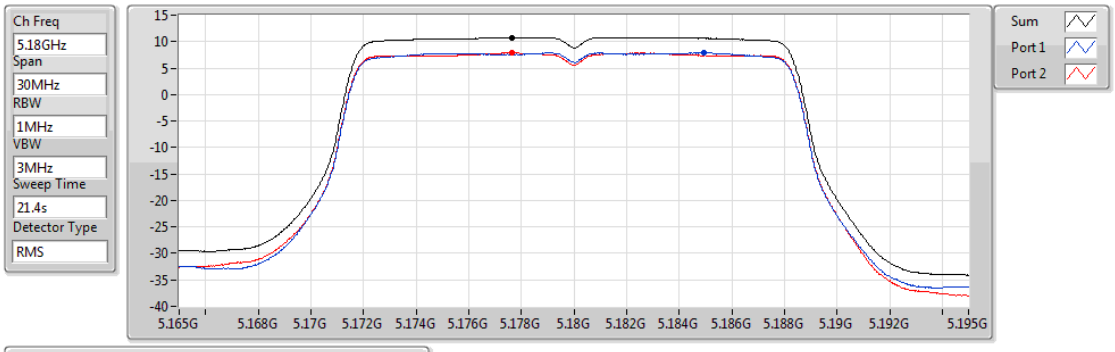
Result

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	9.21	7.86	7.89	10.75	13.79	19.96	Inf
5200MHz	Pass	9.21	10.47	10.76	13.52	13.79	22.73	Inf
5240MHz	Pass	9.21	10.91	10.85	13.78	13.79	22.99	Inf
5745MHz	Pass	9.41	8.85	8.57	11.54	26.59	20.95	Inf
5785MHz	Pass	9.41	9.07	9.04	11.90	26.59	21.31	Inf
5825MHz	Pass	9.41	9.08	9.27	12.03	26.59	21.44	Inf
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.21	9.86	9.56	12.12	13.79	21.33	Inf
5200MHz	Pass	9.21	10.77	10.59	13.48	13.79	22.69	Inf
5240MHz	Pass	9.21	10.84	10.62	13.55	13.79	22.76	Inf
5745MHz	Pass	9.41	10.24	10.24	12.82	26.59	22.23	Inf
5785MHz	Pass	9.41	9.95	10.22	12.69	26.59	22.10	Inf
5825MHz	Pass	9.41	9.46	9.79	12.27	26.59	21.68	Inf
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.21	3.92	3.61	6.70	13.79	15.91	Inf
5230MHz	Pass	9.21	9.07	8.70	11.84	13.79	21.05	Inf
5755MHz	Pass	9.41	7.91	7.58	10.56	26.59	19.97	Inf
5795MHz	Pass	9.41	7.80	8.03	10.81	26.59	20.22	Inf
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.21	0.83	0.45	3.63	13.79	12.84	Inf
5775MHz	Pass	9.41	4.34	4.16	7.03	26.59	16.44	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

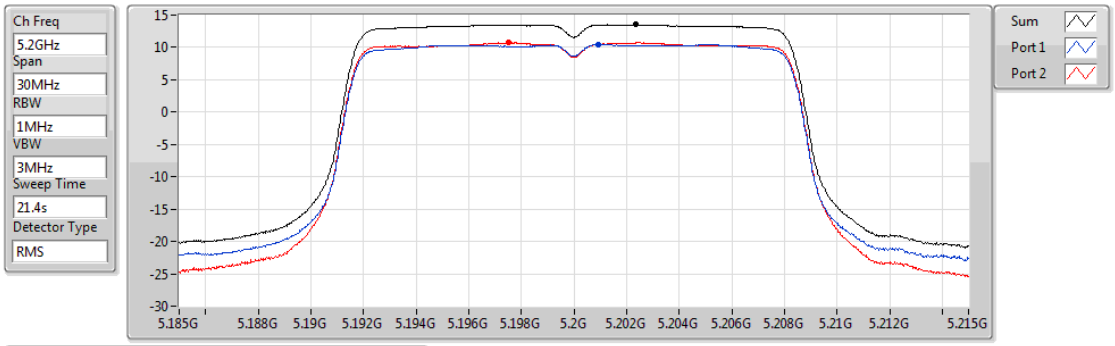
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.75	10.75	7.86	7.89

802.11a_Nss1,(6Mbps)_2TX PSD

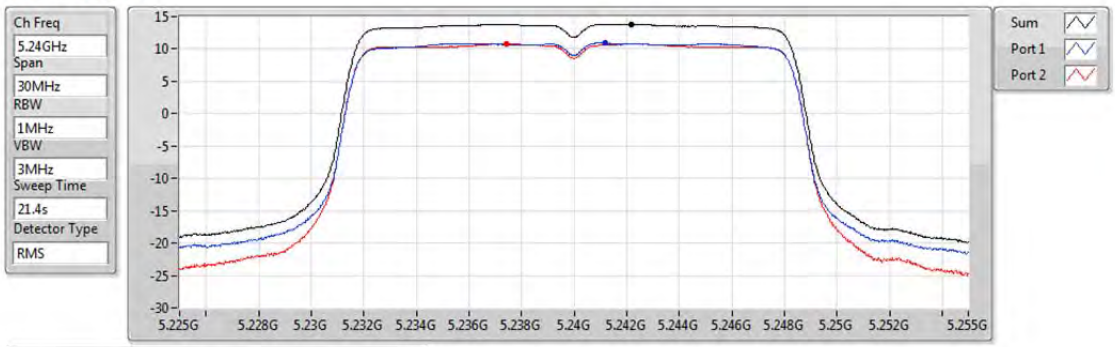
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.52	13.52	10.47	10.76

802.11a_Nss1,(6Mbps)_2TX PSD

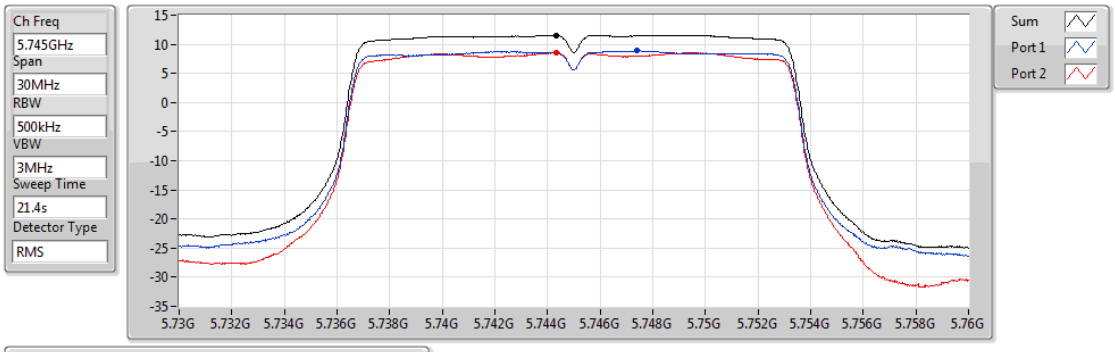
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.78	13.78	10.91	10.85

802.11a_Nss1,(6Mbps)_2TX PSD

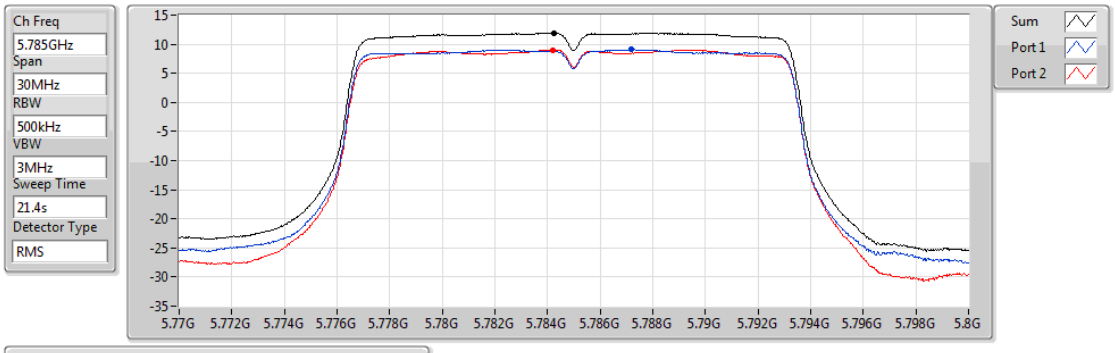
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.54	11.54	8.85	8.57

802.11a_Nss1,(6Mbps)_2TX PSD

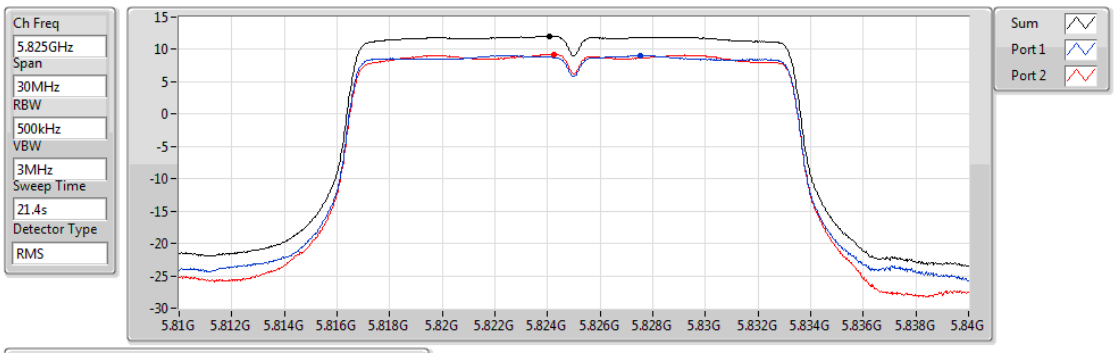
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.90	11.90	9.07	9.04

802.11a_Nss1,(6Mbps)_2TX PSD

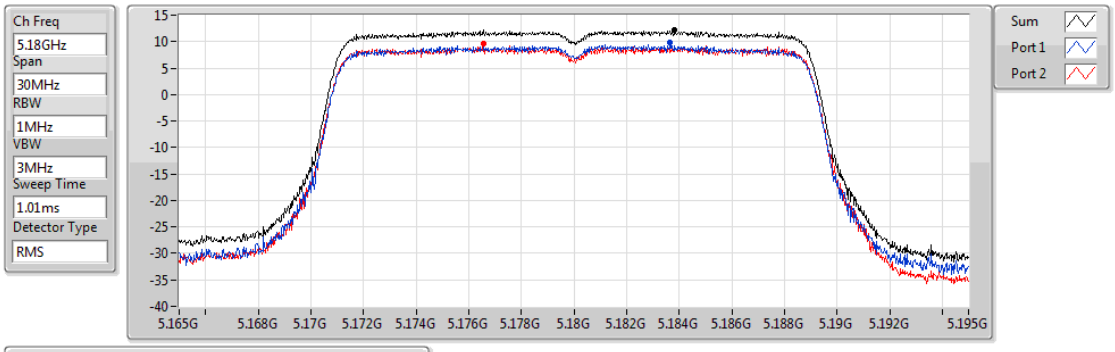
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.03	12.03	9.08	9.27

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

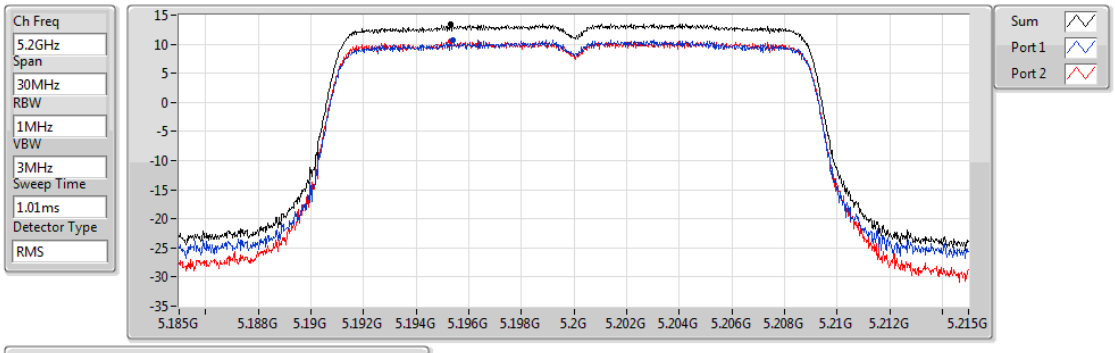
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.12	12.12	9.86	9.56

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

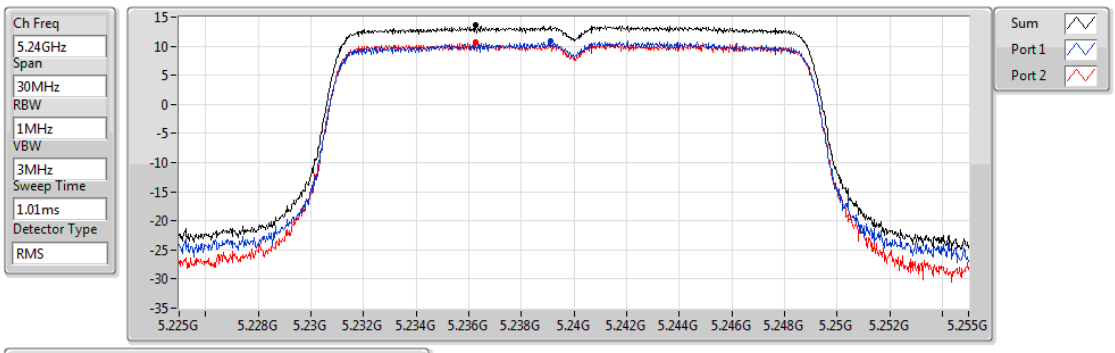
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.48	13.48	10.77	10.59

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

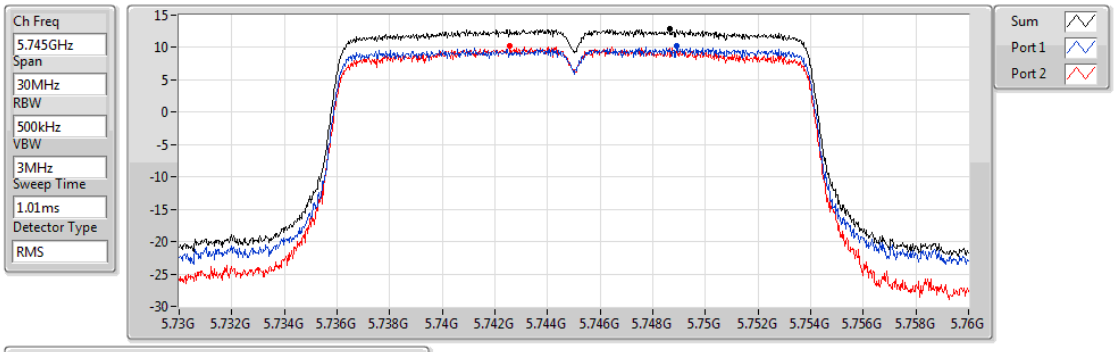
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.55	13.55	10.84	10.62

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

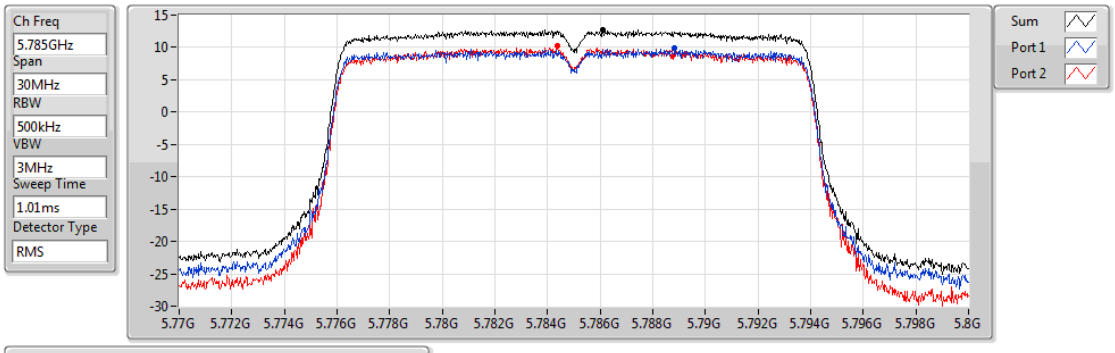
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.82	12.82	10.24	10.24

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

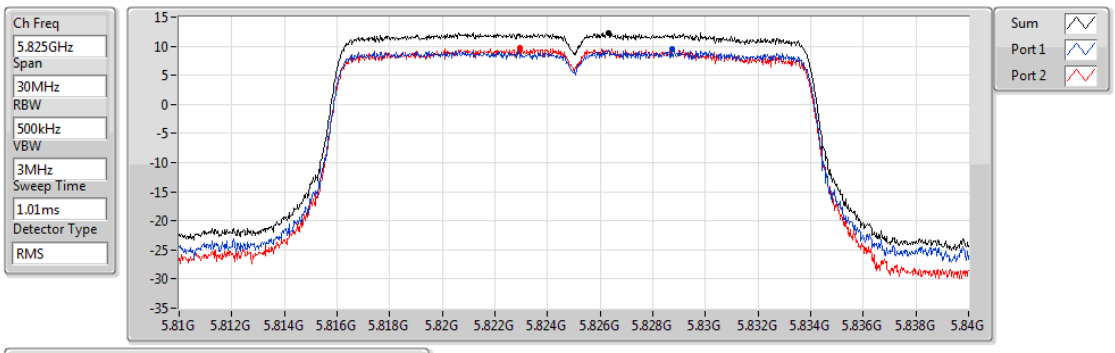
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.69	12.69	9.95	10.22

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

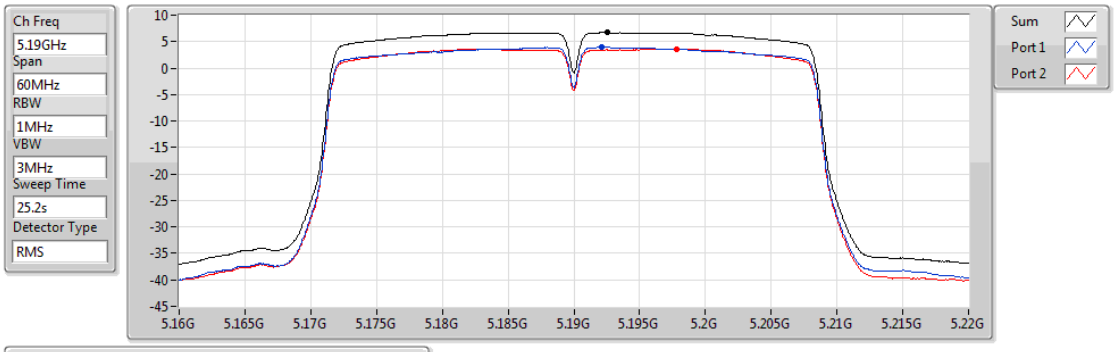
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.27	12.27	9.46	9.79

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

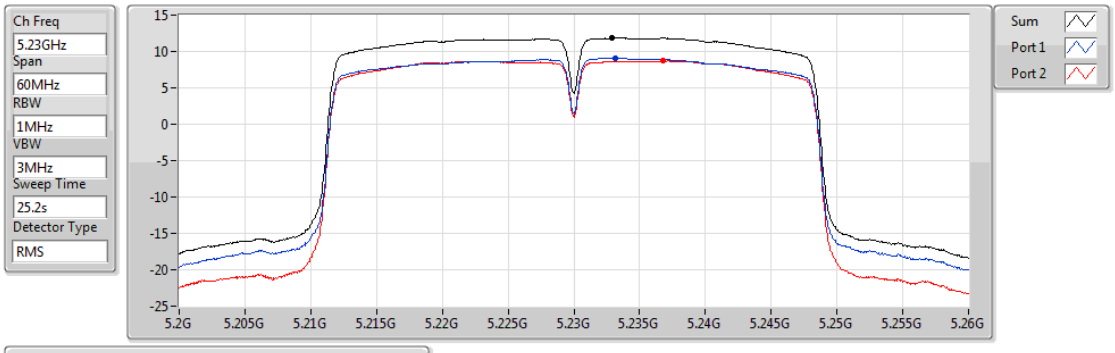
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.70	6.70	3.92	3.61

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

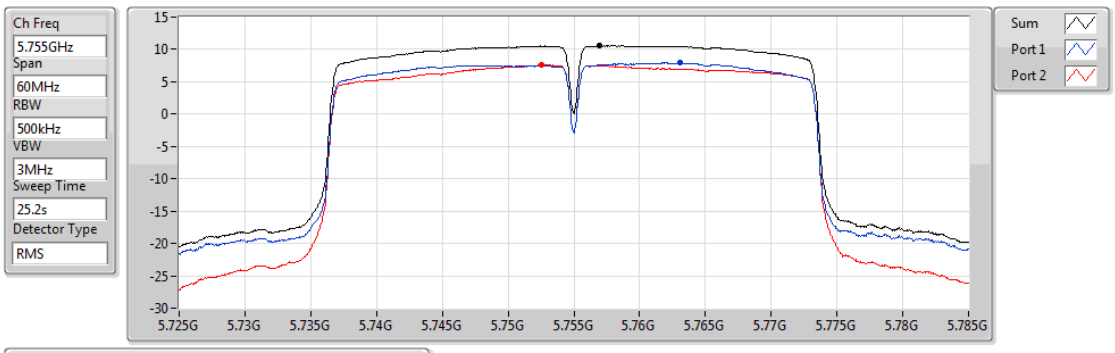
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.84	11.84	9.07	8.70

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

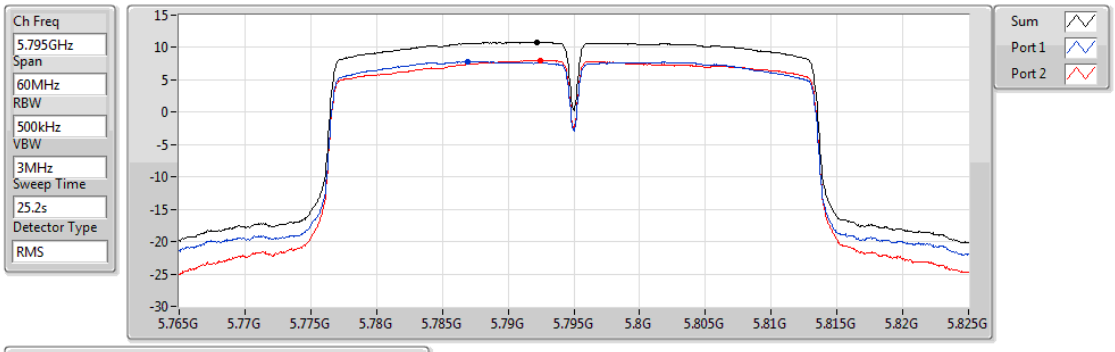
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.56	10.56	7.91	7.58

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

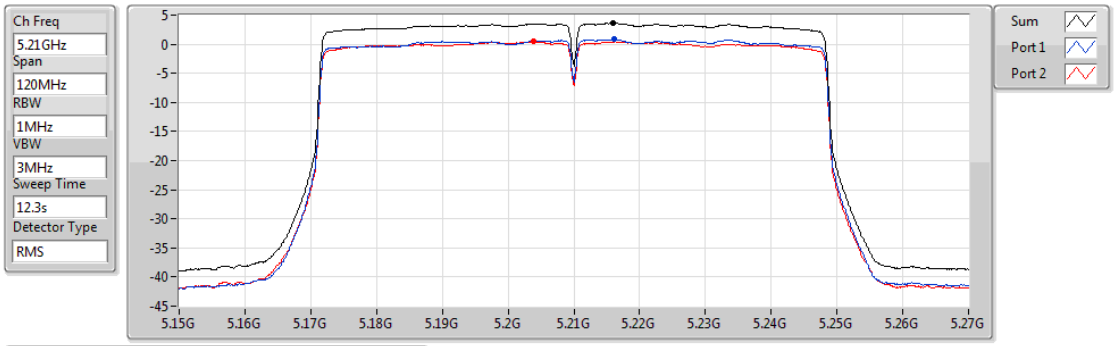
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.81	10.81	7.80	8.03

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

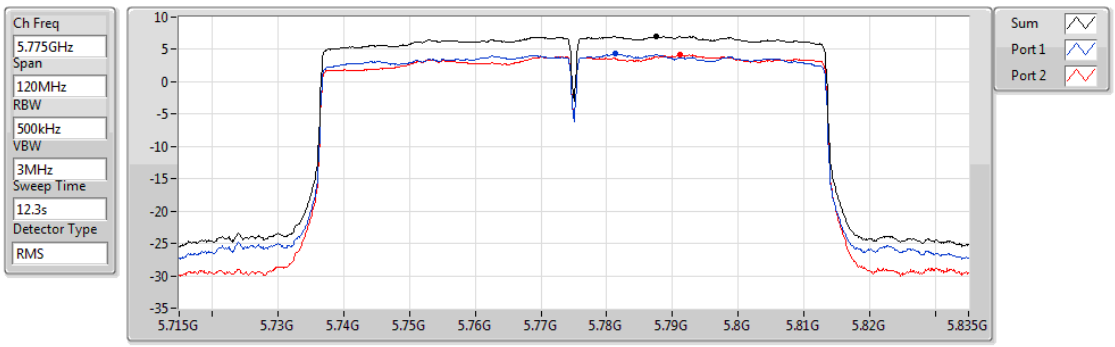
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.63	3.63	0.83	0.45

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	4.34	4.16

Summary

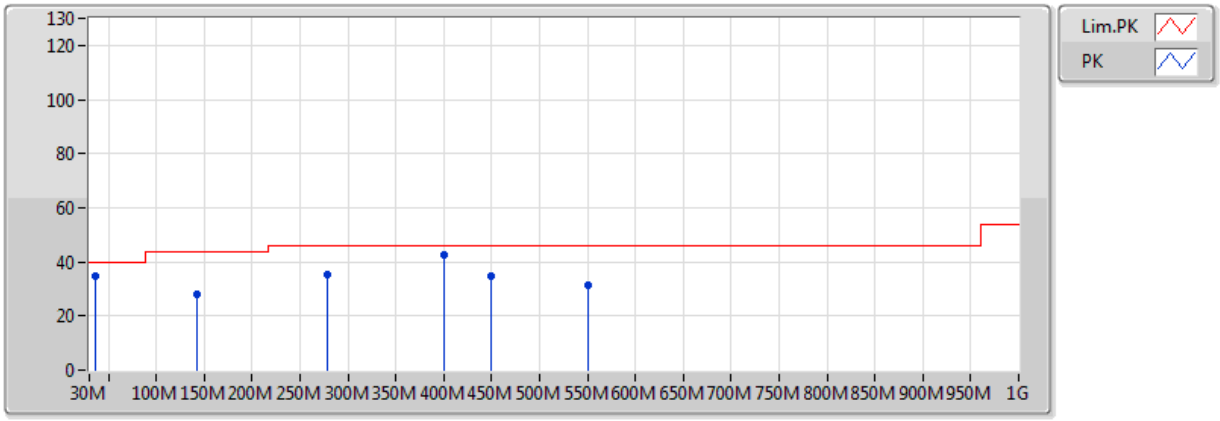
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	QP	400.54M	42.73	46.00	-3.27	-3.38	3	Vertical	22	1.31	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz_POE	Pass	PK	101.78M	26.71	43.50	-16.79	-9.13	3	Horizontal	360	1.00	-
5775MHz_POE	Pass	PK	276.38M	39.10	46.00	-6.90	-6.09	3	Horizontal	360	1.00	-
5775MHz_POE	Pass	PK	297.72M	39.99	46.00	-6.01	-5.90	3	Horizontal	360	1.00	-
5775MHz_POE	Pass	PK	400.54M	36.64	46.00	-9.36	-3.38	3	Horizontal	360	1.00	-
5775MHz_POE	Pass	PK	449.04M	34.39	46.00	-11.61	-2.42	3	Horizontal	360	1.00	-
5775MHz_POE	Pass	PK	518.88M	30.46	46.00	-15.54	-1.66	3	Horizontal	360	1.00	-
5775MHz_POE	Pass	PK	35.82M	34.59	40.00	-5.41	-5.85	3	Vertical	0	1.00	-
5775MHz_POE	Pass	PK	142.52M	28.13	43.50	-15.37	-8.97	3	Vertical	0	1.00	-
5775MHz_POE	Pass	PK	278.32M	35.18	46.00	-10.82	-6.05	3	Vertical	0	1.00	-
5775MHz_POE	Pass	PK	449.04M	34.90	46.00	-11.10	-2.42	3	Vertical	0	1.00	-
5775MHz_POE	Pass	PK	549.92M	31.44	46.00	-14.56	-0.34	3	Vertical	0	1.00	-
5775MHz_POE	Pass	QP	400.54M	42.73	46.00	-3.27	-3.38	3	Vertical	22	1.31	-
5775MHz_AC	Pass	PK	30M	25.27	40.00	-14.73	-5.15	3	Horizontal	0	1.00	-
5775MHz_AC	Pass	PK	117.3M	22.13	43.50	-21.37	-8.96	3	Horizontal	0	1.00	-
5775MHz_AC	Pass	PK	260.86M	23.85	46.00	-22.15	-6.41	3	Horizontal	0	1.00	-
5775MHz_AC	Pass	PK	365.62M	26.86	46.00	-19.14	-5.06	3	Horizontal	0	1.00	-
5775MHz_AC	Pass	PK	608.12M	30.80	46.00	-15.20	-1.14	3	Horizontal	0	1.00	-
5775MHz_AC	Pass	PK	887.48M	36.44	46.00	-9.56	2.79	3	Horizontal	0	1.00	-
5775MHz_AC	Pass	PK	30M	24.96	40.00	-15.04	-5.15	3	Vertical	360	1.00	-
5775MHz_AC	Pass	PK	123.12M	21.80	43.50	-21.70	-8.90	3	Vertical	360	1.00	-
5775MHz_AC	Pass	PK	262.8M	23.54	46.00	-22.46	-6.53	3	Vertical	360	1.00	-
5775MHz_AC	Pass	PK	617.82M	31.33	46.00	-14.67	-1.03	3	Vertical	360	1.00	-
5775MHz_AC	Pass	PK	815.7M	32.83	46.00	-13.17	1.43	3	Vertical	360	1.00	-
5775MHz_AC	Pass	PK	934.04M	35.46	46.00	-10.54	3.07	3	Vertical	360	1.00	-

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_PoE

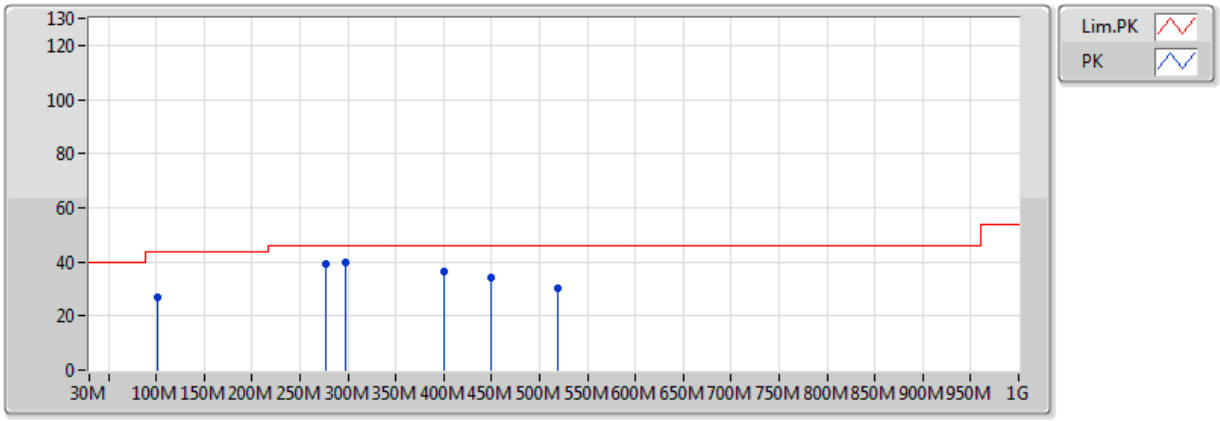


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	35.82M	34.59	40.00	-5.41	-5.85	3	Vertical	0	1.00	-	40.44	19.92	1.81	27.57
PK	142.52M	28.13	43.50	-15.37	-8.97	3	Vertical	0	1.00	-	37.10	16.04	2.17	27.18
PK	278.32M	35.18	46.00	-10.82	-6.05	3	Vertical	0	1.00	-	41.23	18.00	2.69	26.73
PK	449.04M	34.90	46.00	-11.10	-2.42	3	Vertical	0	1.00	-	37.32	21.71	3.42	27.56
PK	549.92M	31.44	46.00	-14.56	-0.34	3	Vertical	0	1.00	-	31.78	23.91	3.66	27.91
QP	400.54M	42.73	46.00	-3.27	-3.38	3	Vertical	22	1.31	-	46.11	20.84	3.06	27.29

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_PoE

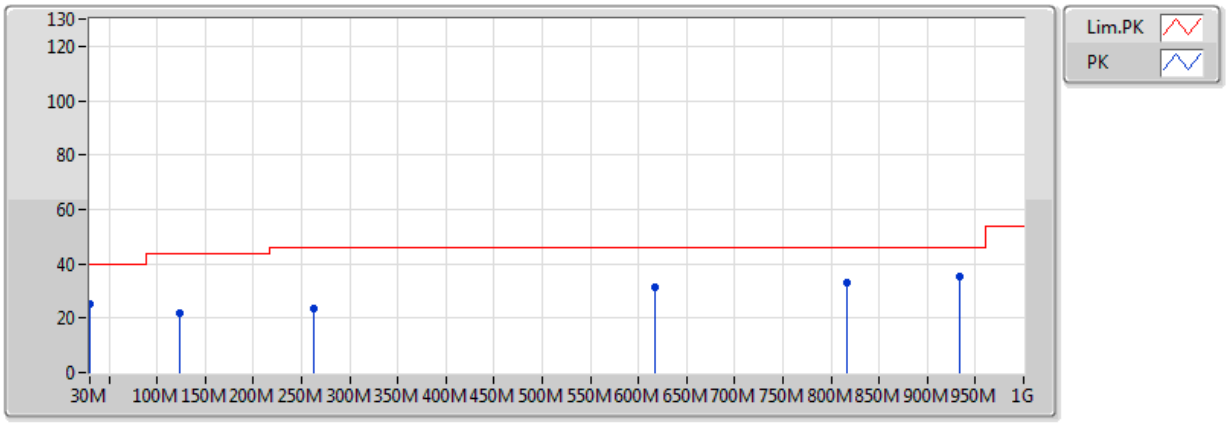


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	101.78M	26.71	43.50	-16.79	-9.13	3	Horizontal	360	1.00	-	35.84	16.26	1.98	27.36
PK	276.38M	39.10	46.00	-6.90	-6.09	3	Horizontal	360	1.00	-	45.19	18.00	2.65	26.74
PK	297.72M	39.99	46.00	-6.01	-5.90	3	Horizontal	360	1.00	-	45.89	18.39	2.39	26.68
PK	400.54M	36.64	46.00	-9.36	-3.38	3	Horizontal	360	1.00	-	40.02	20.84	3.06	27.29
PK	449.04M	34.39	46.00	-11.61	-2.42	3	Horizontal	360	1.00	-	36.81	21.71	3.42	27.56
PK	518.88M	30.46	46.00	-15.54	-1.66	3	Horizontal	360	1.00	-	32.12	22.61	3.59	27.86

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_AC

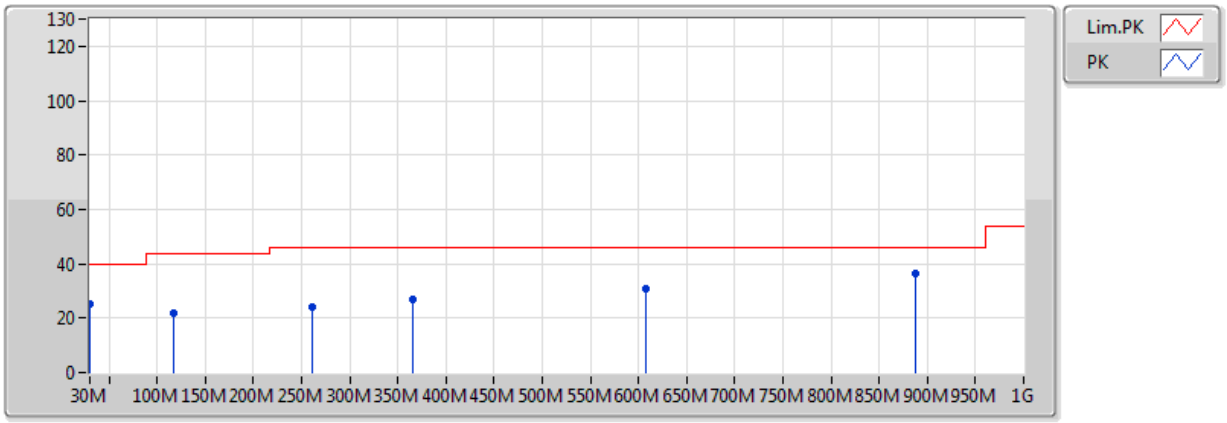


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	24.96	40.00	-15.04	-5.15	3	Vertical	360	1.00	-	30.11	22.02	0.68	27.85
PK	123.12M	21.80	43.50	-21.70	-8.90	3	Vertical	360	1.00	-	30.70	17.18	1.64	27.73
PK	262.8M	23.54	46.00	-22.46	-6.53	3	Vertical	360	1.00	-	30.07	18.47	2.29	27.29
PK	617.82M	31.33	46.00	-14.67	-1.03	3	Vertical	360	1.00	-	32.36	23.79	3.70	28.52
PK	815.7M	32.83	46.00	-13.17	1.43	3	Vertical	360	1.00	-	31.40	24.96	4.48	28.01
PK	934.04M	35.46	46.00	-10.54	3.07	3	Vertical	360	1.00	-	32.39	25.67	4.92	27.51

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_AC



EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	25.27	40.00	-14.73	-5.15	3	Horizontal	0	1.00	-	30.42	22.02	0.68	27.85
PK	117.3M	22.13	43.50	-21.37	-8.96	3	Horizontal	0	1.00	-	31.09	17.23	1.56	27.75
PK	260.86M	23.85	46.00	-22.15	-6.41	3	Horizontal	0	1.00	-	30.26	18.62	2.28	27.30
PK	365.62M	26.86	46.00	-19.14	-5.06	3	Horizontal	0	1.00	-	31.92	19.91	2.72	27.70
PK	608.12M	30.80	46.00	-15.20	-1.14	3	Horizontal	0	1.00	-	31.94	23.73	3.68	28.54
PK	887.48M	36.44	46.00	-9.56	2.79	3	Horizontal	0	1.00	-	33.65	25.42	5.08	27.71

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	15.5978G	73.61	74.00	-0.39	13.85	3	Vertical	7	2.95	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.149995G	53.19	54.00	-0.81	2.80	3	Vertical	341	1.82	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.143G	53.59	54.00	-0.41	2.80	3	Horizontal	326	1.98	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	17.235G	53.88	54.00	-0.12	21.96	3	Horizontal	303	1.90	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	17.265G	53.85	54.00	-0.15	22.19	3	Horizontal	302	1.85	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.6454G	67.99	68.20	-0.21	3.28	3	Vertical	331	1.67	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	53.28	54.00	-0.72	2.80	3	Horizontal	321	1.85	-
5180MHz	Pass	AV	5.173G	105.41	Inf	-Inf	2.81	3	Horizontal	321	1.85	-
5180MHz	Pass	PK	5.1498G	68.65	74.00	-5.35	2.80	3	Horizontal	321	1.85	-
5180MHz	Pass	PK	5.1738G	116.29	Inf	-Inf	2.81	3	Horizontal	321	1.85	-
5180MHz	Pass	AV	5.1488G	52.70	54.00	-1.30	2.80	3	Vertical	343	1.73	-
5180MHz	Pass	AV	5.1826G	106.09	Inf	-Inf	2.82	3	Vertical	343	1.73	-
5180MHz	Pass	PK	5.149995G	67.67	74.00	-6.33	2.80	3	Vertical	343	1.73	-
5180MHz	Pass	PK	5.1816G	117.46	Inf	-Inf	2.82	3	Vertical	343	1.73	-
5180MHz	Pass	AV	10.36G	45.16	54.00	-8.84	12.44	3	Horizontal	36	1.50	-
5180MHz	Pass	AV	15.54G	47.15	54.00	-6.85	14.12	3	Horizontal	24	1.51	-
5180MHz	Pass	PK	10.36G	59.24	74.00	-14.76	12.44	3	Horizontal	36	1.50	-
5180MHz	Pass	PK	15.54G	67.46	74.00	-6.54	14.12	3	Horizontal	24	1.51	-
5180MHz	Pass	AV	10.36G	45.90	54.00	-8.10	12.44	3	Vertical	27	1.24	-
5180MHz	Pass	AV	15.54G	47.44	54.00	-6.56	14.12	3	Vertical	5	2.78	-
5180MHz	Pass	PK	10.36G	60.63	74.00	-13.37	12.44	3	Vertical	27	1.24	-
5180MHz	Pass	PK	15.54G	70.45	74.00	-3.55	14.12	3	Vertical	5	2.78	-
5200MHz	Pass	AV	5.1404G	45.00	54.00	-9.00	2.79	3	Horizontal	310	1.92	-
5200MHz	Pass	AV	5.202G	106.96	Inf	-Inf	2.83	3	Horizontal	310	1.92	-
5200MHz	Pass	PK	5.1404G	59.51	74.00	-14.49	2.79	3	Horizontal	310	1.92	-
5200MHz	Pass	PK	5.2016G	118.24	Inf	-Inf	2.83	3	Horizontal	310	1.92	-
5200MHz	Pass	AV	5.1492G	47.71	54.00	-6.29	2.80	3	Vertical	343	1.82	-
5200MHz	Pass	AV	5.2052G	107.93	Inf	-Inf	2.83	3	Vertical	343	1.82	-
5200MHz	Pass	PK	5.1444G	62.33	74.00	-11.67	2.80	3	Vertical	343	1.82	-
5200MHz	Pass	PK	5.2028G	119.24	Inf	-Inf	2.83	3	Vertical	343	1.82	-
5200MHz	Pass	AV	10.3996G	46.98	54.00	-7.02	12.54	3	Horizontal	41	2.50	-
5200MHz	Pass	AV	15.6008G	49.85	54.00	-4.15	13.83	3	Horizontal	9	2.82	-
5200MHz	Pass	PK	10.3978G	61.32	74.00	-12.68	12.53	3	Horizontal	41	2.50	-
5200MHz	Pass	PK	15.5982G	69.15	74.00	-4.85	13.85	3	Horizontal	9	2.82	-
5200MHz	Pass	AV	10.3976G	45.68	54.00	-8.32	12.53	3	Vertical	18	1.36	-
5200MHz	Pass	AV	15.5972G	51.55	54.00	-2.45	13.85	3	Vertical	7	2.95	-
5200MHz	Pass	PK	10.3978G	60.17	74.00	-13.83	12.53	3	Vertical	18	1.36	-
5200MHz	Pass	PK	15.5978G	73.61	74.00	-0.39	13.85	3	Vertical	7	2.95	-
5240MHz	Pass	AV	5.1356G	43.83	54.00	-10.17	2.79	3	Horizontal	319	1.82	-
5240MHz	Pass	AV	5.237G	107.82	Inf	-Inf	2.84	3	Horizontal	319	1.82	-
5240MHz	Pass	AV	5.3762G	46.03	54.00	-7.97	2.92	3	Horizontal	319	1.82	-
5240MHz	Pass	PK	5.1326G	56.33	74.00	-17.67	2.79	3	Horizontal	319	1.82	-
5240MHz	Pass	PK	5.2364G	117.87	Inf	-Inf	2.84	3	Horizontal	319	1.82	-
5240MHz	Pass	PK	5.3762G	56.85	74.00	-17.15	2.92	3	Horizontal	319	1.82	-
5240MHz	Pass	AV	5.1362G	43.94	54.00	-10.06	2.79	3	Vertical	341	1.65	-
5240MHz	Pass	AV	5.2472G	108.09	Inf	-Inf	2.85	3	Vertical	341	1.65	-
5240MHz	Pass	AV	5.3762G	44.20	54.00	-9.80	2.92	3	Vertical	341	1.65	-
5240MHz	Pass	PK	5.144G	56.09	74.00	-17.91	2.80	3	Vertical	341	1.65	-
5240MHz	Pass	PK	5.2478G	118.83	Inf	-Inf	2.85	3	Vertical	341	1.65	-
5240MHz	Pass	PK	5.375G	56.69	74.00	-17.31	2.91	3	Vertical	341	1.65	-
5240MHz	Pass	AV	10.475G	47.12	54.00	-6.88	12.73	3	Horizontal	351	1.64	-
5240MHz	Pass	AV	15.712G	49.42	54.00	-4.58	13.30	3	Horizontal	24	1.43	-
5240MHz	Pass	PK	10.4908G	62.59	74.00	-11.41	12.77	3	Horizontal	351	1.64	-

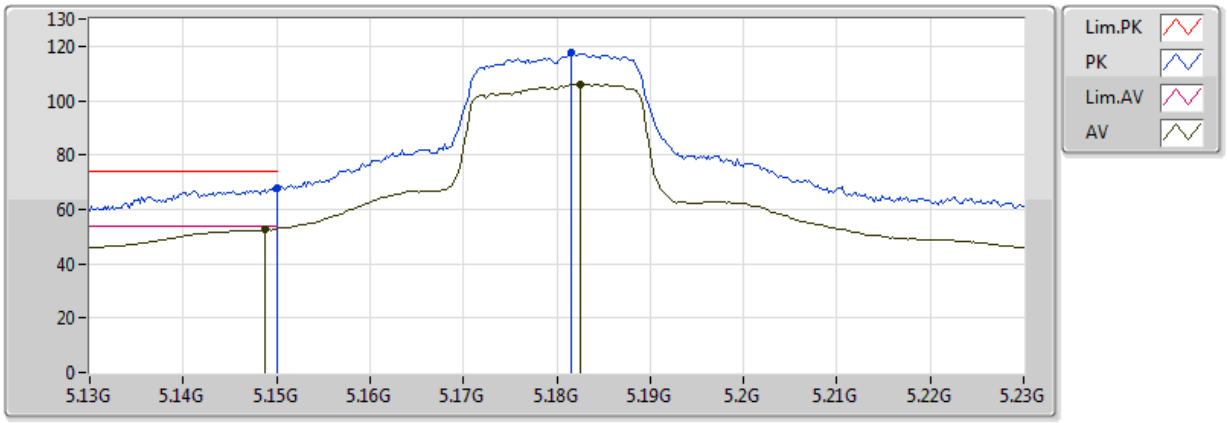
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5240MHz	Pass	PK	15.7104G	68.13	74.00	-5.87	13.31	3	Horizontal	24	1.43	-
5240MHz	Pass	AV	10.48G	47.60	54.00	-6.40	12.74	3	Vertical	29	1.84	-
5240MHz	Pass	AV	15.7184G	52.97	54.00	-1.03	13.27	3	Vertical	7	3.23	-
5240MHz	Pass	PK	10.481G	62.62	74.00	-11.38	12.75	3	Vertical	29	1.84	-
5240MHz	Pass	PK	15.7182G	71.08	74.00	-2.92	13.27	3	Vertical	7	3.23	-
5745MHz	Pass	AV	5.7438G	107.73	Inf	-Inf	3.49	3	Horizontal	319	1.40	-
5745MHz	Pass	PK	5.4606G	56.11	68.20	-12.09	2.96	3	Horizontal	319	1.40	-
5745MHz	Pass	PK	5.7438G	117.96	Inf	-Inf	3.49	3	Horizontal	319	1.40	-
5745MHz	Pass	PK	5.9334G	56.07	68.20	-12.13	3.88	3	Horizontal	319	1.40	-
5745MHz	Pass	AV	5.7426G	106.30	Inf	-Inf	3.48	3	Vertical	27	1.44	-
5745MHz	Pass	PK	5.5134G	56.12	68.20	-12.08	3.01	3	Vertical	27	1.44	-
5745MHz	Pass	PK	5.7438G	115.98	Inf	-Inf	3.49	3	Vertical	27	1.44	-
5745MHz	Pass	PK	5.9526G	56.41	68.20	-11.79	3.92	3	Vertical	27	1.44	-
5745MHz	Pass	AV	11.49G	46.95	54.00	-7.05	17.74	3	Horizontal	27	1.41	-
5745MHz	Pass	AV	17.235G	53.88	54.00	-0.12	21.96	3	Horizontal	303	1.90	-
5745MHz	Pass	PK	11.49G	61.45	74.00	-12.55	17.74	3	Horizontal	27	1.41	-
5745MHz	Pass	PK	17.235G	73.58	74.00	-0.42	21.96	3	Horizontal	303	1.90	-
5745MHz	Pass	AV	11.49G	45.94	54.00	-8.06	17.74	3	Vertical	15	1.45	-
5745MHz	Pass	AV	17.235G	51.24	54.00	-2.76	21.96	3	Vertical	341	1.66	-
5745MHz	Pass	PK	11.49G	60.17	74.00	-13.83	17.74	3	Vertical	15	1.45	-
5745MHz	Pass	PK	17.235G	68.29	74.00	-5.71	21.96	3	Vertical	341	1.66	-
5785MHz	Pass	AV	5.7838G	107.74	Inf	-Inf	3.57	3	Horizontal	319	1.43	-
5785MHz	Pass	PK	5.6218G	56.67	68.20	-11.53	3.23	3	Horizontal	319	1.43	-
5785MHz	Pass	PK	5.7862G	118.51	Inf	-Inf	3.58	3	Horizontal	319	1.43	-
5785MHz	Pass	PK	5.9494G	56.44	68.20	-11.76	3.91	3	Horizontal	319	1.43	-
5785MHz	Pass	AV	5.7778G	106.41	Inf	-Inf	3.56	3	Vertical	336	1.87	-
5785MHz	Pass	PK	5.5546G	56.49	68.20	-11.71	3.09	3	Vertical	336	1.87	-
5785MHz	Pass	PK	5.7778G	116.02	Inf	-Inf	3.56	3	Vertical	336	1.87	-
5785MHz	Pass	PK	5.9818G	57.12	68.20	-11.08	3.98	3	Vertical	336	1.87	-
5785MHz	Pass	AV	11.5732G	45.35	54.00	-8.65	13.29	3	Horizontal	48	1.71	-
5785MHz	Pass	AV	17.3474G	53.31	54.00	-0.69	19.01	3	Horizontal	302	2.37	-
5785MHz	Pass	PK	11.5748G	59.04	74.00	-14.96	13.29	3	Horizontal	48	1.71	-
5785MHz	Pass	PK	17.3526G	72.89	74.00	-1.11	19.04	3	Horizontal	302	2.37	-
5785MHz	Pass	AV	11.5602G	45.90	54.00	-8.10	13.31	3	Vertical	326	3.38	-
5785MHz	Pass	AV	17.345G	50.44	54.00	-3.56	18.99	3	Vertical	346	1.66	-
5785MHz	Pass	PK	11.5628G	59.74	74.00	-14.26	13.31	3	Vertical	326	3.38	-
5785MHz	Pass	PK	17.3528G	68.15	74.00	-5.85	19.04	3	Vertical	346	1.66	-
5825MHz	Pass	AV	5.8238G	107.96	Inf	-Inf	3.66	3	Horizontal	322	1.49	-
5825MHz	Pass	PK	5.6354G	56.35	68.20	-11.85	3.26	3	Horizontal	322	1.49	-
5825MHz	Pass	PK	5.8238G	118.23	Inf	-Inf	3.66	3	Horizontal	322	1.49	-
5825MHz	Pass	PK	5.963G	56.11	68.20	-12.09	3.94	3	Horizontal	322	1.49	-
5825MHz	Pass	AV	5.8334G	106.50	Inf	-Inf	3.68	3	Vertical	333	1.57	-
5825MHz	Pass	PK	5.579G	56.39	68.20	-11.81	3.15	3	Vertical	333	1.57	-
5825MHz	Pass	PK	5.8322G	116.93	Inf	-Inf	3.67	3	Vertical	333	1.57	-
5825MHz	Pass	PK	5.9894G	57.64	68.20	-10.56	4.00	3	Vertical	333	1.57	-
5825MHz	Pass	AV	11.6538G	45.88	54.00	-8.12	13.18	3	Horizontal	30	1.50	-
5825MHz	Pass	AV	17.4732G	53.88	54.00	-0.12	19.86	3	Horizontal	308	1.68	-
5825MHz	Pass	PK	11.6512G	61.32	74.00	-12.68	13.19	3	Horizontal	30	1.50	-
5825MHz	Pass	PK	17.4732G	71.65	74.00	-2.35	19.86	3	Horizontal	308	1.68	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	11.6536G	45.03	54.00	-8.97	13.18	3	Vertical	19	1.48	-
5825MHz	Pass	AV	17.4648G	49.84	54.00	-4.16	19.80	3	Vertical	346	1.64	-
5825MHz	Pass	PK	11.6546G	58.93	74.00	-15.07	13.18	3	Vertical	19	1.48	-
5825MHz	Pass	PK	17.4732G	65.51	74.00	-8.49	19.86	3	Vertical	346	1.64	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.1468G	51.07	54.00	-2.93	2.80	3	Horizontal	320	1.91	-
5190MHz	Pass	AV	5.1844G	100.35	Inf	-Inf	2.82	3	Horizontal	320	1.91	-
5190MHz	Pass	PK	5.1456G	66.07	74.00	-7.93	2.80	3	Horizontal	320	1.91	-
5190MHz	Pass	PK	5.1824G	110.20	Inf	-Inf	2.82	3	Horizontal	320	1.91	-
5190MHz	Pass	AV	5.149995G	53.19	54.00	-0.81	2.80	3	Vertical	341	1.82	-
5190MHz	Pass	AV	5.1936G	100.75	Inf	-Inf	2.83	3	Vertical	341	1.82	-
5190MHz	Pass	PK	5.149995G	66.50	74.00	-7.50	2.80	3	Vertical	341	1.82	-
5190MHz	Pass	PK	5.1964G	110.78	Inf	-Inf	2.83	3	Vertical	341	1.82	-
5190MHz	Pass	AV	10.38G	43.89	54.00	-10.11	12.49	3	Horizontal	38	1.56	-
5190MHz	Pass	PK	10.3798G	56.11	74.00	-17.89	12.49	3	Horizontal	38	1.56	-
5190MHz	Pass	AV	10.38G	43.16	54.00	-10.84	12.49	3	Vertical	351	1.49	-
5190MHz	Pass	PK	10.3796G	55.24	74.00	-18.76	12.49	3	Vertical	351	1.49	-
5230MHz	Pass	AV	5.1424G	50.73	54.00	-3.27	2.80	3	Horizontal	328	1.87	-
5230MHz	Pass	AV	5.2224G	106.04	Inf	-Inf	2.84	3	Horizontal	328	1.87	-
5230MHz	Pass	PK	5.1456G	64.69	74.00	-9.31	2.80	3	Horizontal	328	1.87	-
5230MHz	Pass	PK	5.222G	116.16	Inf	-Inf	2.84	3	Horizontal	328	1.87	-
5230MHz	Pass	AV	5.149995G	51.32	54.00	-2.68	2.80	3	Vertical	343	1.69	-
5230MHz	Pass	AV	5.2368G	107.07	Inf	-Inf	2.84	3	Vertical	343	1.69	-
5230MHz	Pass	PK	5.146G	66.19	74.00	-7.81	2.80	3	Vertical	343	1.69	-
5230MHz	Pass	PK	5.2364G	116.72	Inf	-Inf	2.84	3	Vertical	343	1.69	-
5230MHz	Pass	AV	10.46G	46.39	54.00	-7.61	12.69	3	Horizontal	348	1.73	-
5230MHz	Pass	AV	15.6818G	49.63	54.00	-4.37	13.45	3	Horizontal	23	1.36	-
5230MHz	Pass	PK	10.4566G	59.00	74.00	-15.00	12.68	3	Horizontal	348	1.73	-
5230MHz	Pass	PK	15.682G	63.43	74.00	-10.57	13.45	3	Horizontal	23	1.36	-
5230MHz	Pass	AV	10.46G	46.52	54.00	-7.48	12.69	3	Vertical	29	1.79	-
5230MHz	Pass	AV	15.689G	52.59	54.00	-1.41	13.41	3	Vertical	6	3.15	-
5230MHz	Pass	PK	10.4614G	61.89	74.00	-12.11	12.70	3	Vertical	29	1.79	-
5230MHz	Pass	PK	15.6878G	67.98	74.00	-6.02	13.42	3	Vertical	6	3.15	-
5755MHz	Pass	AV	5.7526G	106.63	Inf	-Inf	3.51	3	Horizontal	321	1.47	-
5755MHz	Pass	PK	5.6494G	60.21	68.20	-7.99	3.29	3	Horizontal	321	1.47	-
5755MHz	Pass	PK	5.7538G	116.45	Inf	-Inf	3.51	3	Horizontal	321	1.47	-
5755MHz	Pass	PK	5.9866G	56.73	68.20	-11.47	3.99	3	Horizontal	321	1.47	-
5755MHz	Pass	AV	5.7466G	104.85	Inf	-Inf	3.49	3	Vertical	332	1.71	-
5755MHz	Pass	PK	5.6482G	58.14	68.20	-10.06	3.29	3	Vertical	332	1.71	-
5755MHz	Pass	PK	5.7466G	114.57	Inf	-Inf	3.49	3	Vertical	332	1.71	-
5755MHz	Pass	PK	5.9254G	56.55	68.20	-11.65	3.86	3	Vertical	332	1.71	-
5755MHz	Pass	AV	11.51G	44.61	54.00	-9.39	17.73	3	Horizontal	21	1.50	-
5755MHz	Pass	AV	17.265G	53.85	54.00	-0.15	22.19	3	Horizontal	302	1.85	-
5755MHz	Pass	PK	11.51G	60.85	74.00	-13.15	17.73	3	Horizontal	21	1.50	-
5755MHz	Pass	PK	17.265G	69.83	74.00	-4.17	22.19	3	Horizontal	302	1.85	-
5755MHz	Pass	AV	11.51G	44.10	54.00	-9.90	17.73	3	Vertical	14	1.47	-
5755MHz	Pass	AV	17.265G	50.80	54.00	-3.20	22.19	3	Vertical	323	1.32	-
5755MHz	Pass	PK	11.51G	58.95	74.00	-15.05	17.73	3	Vertical	14	1.47	-
5755MHz	Pass	PK	17.265G	64.70	74.00	-9.30	22.19	3	Vertical	323	1.32	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	5.7926G	106.46	Inf	-Inf	3.59	3	Horizontal	321	1.44	-
5795MHz	Pass	PK	5.6462G	57.70	68.20	-10.50	3.28	3	Horizontal	321	1.44	-
5795MHz	Pass	PK	5.7938G	116.18	Inf	-Inf	3.60	3	Horizontal	321	1.44	-
5795MHz	Pass	PK	5.9354G	57.90	68.20	-10.30	3.88	3	Horizontal	321	1.44	-
5795MHz	Pass	AV	5.8046G	105.95	Inf	-Inf	3.62	3	Vertical	333	1.67	-
5795MHz	Pass	PK	5.5154G	56.99	68.20	-11.21	3.01	3	Vertical	333	1.67	-
5795MHz	Pass	PK	5.8058G	115.75	Inf	-Inf	3.62	3	Vertical	333	1.67	-
5795MHz	Pass	PK	5.9282G	59.48	68.20	-8.72	3.87	3	Vertical	333	1.67	-
5795MHz	Pass	AV	11.5982G	47.89	54.00	-6.11	13.26	3	Horizontal	354	2.08	-
5795MHz	Pass	AV	17.3878G	53.80	54.00	-0.20	19.28	3	Horizontal	308	1.64	-
5795MHz	Pass	PK	11.5912G	67.25	74.00	-6.75	13.27	3	Horizontal	354	2.08	-
5795MHz	Pass	PK	17.3662G	69.22	74.00	-4.78	19.13	3	Horizontal	308	1.64	-
5795MHz	Pass	AV	11.59G	46.99	54.00	-7.01	13.27	3	Vertical	17	3.16	-
5795MHz	Pass	AV	17.3696G	49.96	54.00	-4.04	19.16	3	Vertical	344	1.70	-
5795MHz	Pass	PK	11.5866G	65.31	74.00	-8.69	13.28	3	Vertical	17	3.16	-
5795MHz	Pass	PK	17.3822G	64.19	74.00	-9.81	19.24	3	Vertical	344	1.70	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.143G	53.59	54.00	-0.41	2.80	3	Horizontal	326	1.98	-
5210MHz	Pass	AV	5.222G	96.29	Inf	-Inf	2.84	3	Horizontal	326	1.98	-
5210MHz	Pass	AV	5.376G	44.79	54.00	-9.21	2.92	3	Horizontal	326	1.98	-
5210MHz	Pass	PK	5.141G	67.38	74.00	-6.62	2.79	3	Horizontal	326	1.98	-
5210MHz	Pass	PK	5.223G	107.24	Inf	-Inf	2.84	3	Horizontal	326	1.98	-
5210MHz	Pass	PK	5.36G	57.12	74.00	-16.88	2.91	3	Horizontal	326	1.98	-
5210MHz	Pass	AV	5.138G	53.35	54.00	-0.65	2.79	3	Vertical	341	1.62	-
5210MHz	Pass	AV	5.216G	96.59	Inf	-Inf	2.84	3	Vertical	341	1.62	-
5210MHz	Pass	AV	5.355G	45.83	54.00	-8.17	2.90	3	Vertical	341	1.62	-
5210MHz	Pass	PK	5.141G	67.33	74.00	-6.67	2.79	3	Vertical	341	1.62	-
5210MHz	Pass	PK	5.198G	108.13	Inf	-Inf	2.83	3	Vertical	341	1.62	-
5210MHz	Pass	PK	5.359G	58.42	74.00	-15.58	2.91	3	Vertical	341	1.62	-
5210MHz	Pass	AV	10.42G	42.45	54.00	-11.55	12.59	3	Horizontal	37	1.50	-
5210MHz	Pass	PK	10.3804G	55.30	74.00	-18.70	12.49	3	Horizontal	37	1.50	-
5210MHz	Pass	AV	10.42G	42.41	54.00	-11.59	12.59	3	Vertical	350	1.22	-
5210MHz	Pass	PK	10.4122G	54.70	74.00	-19.30	12.57	3	Vertical	350	1.22	-
5775MHz	Pass	AV	5.7726G	100.44	Inf	-Inf	3.55	3	Horizontal	323	1.37	-
5775MHz	Pass	PK	5.6322G	67.59	68.20	-0.61	3.25	3	Horizontal	323	1.37	-
5775MHz	Pass	PK	5.7534G	111.41	Inf	-Inf	3.51	3	Horizontal	323	1.37	-
5775MHz	Pass	PK	5.9358G	62.55	68.20	-5.65	3.89	3	Horizontal	323	1.37	-
5775MHz	Pass	AV	5.787G	100.02	Inf	-Inf	3.58	3	Vertical	331	1.67	-
5775MHz	Pass	PK	5.6454G	67.99	68.20	-0.21	3.28	3	Vertical	331	1.67	-
5775MHz	Pass	PK	5.787G	110.86	Inf	-Inf	3.58	3	Vertical	331	1.67	-
5775MHz	Pass	PK	5.9262G	67.62	68.20	-0.58	3.87	3	Vertical	331	1.67	-
5775MHz	Pass	AV	11.562G	42.84	54.00	-11.16	13.31	3	Horizontal	38	1.50	-
5775MHz	Pass	AV	17.3014G	50.42	54.00	-3.58	18.69	3	Horizontal	22	1.41	-
5775MHz	Pass	PK	11.5794G	65.01	74.00	-8.99	13.29	3	Horizontal	38	1.50	-
5775MHz	Pass	PK	17.2936G	64.12	74.00	-9.88	18.64	3	Horizontal	22	1.41	-
5775MHz	Pass	AV	11.55G	42.30	54.00	-11.70	13.33	3	Vertical	32	3.24	-
5775MHz	Pass	PK	11.5714G	59.83	74.00	-14.17	13.30	3	Vertical	32	3.24	-

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

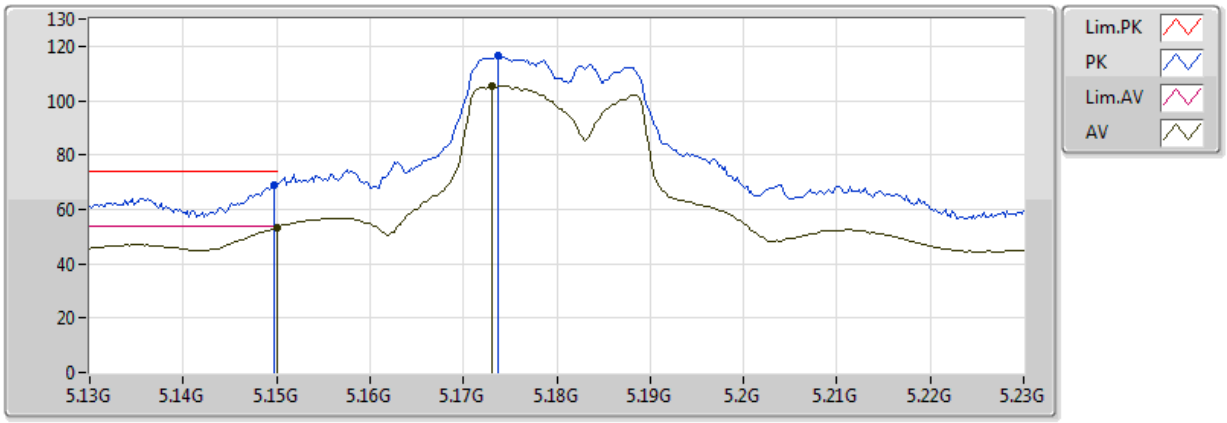


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1488G	52.70	54.00	-1.30	2.80	3	Vertical	343	1.73	-	49.90	31.66	5.62	34.48
AV	5.1826G	106.09	Inf	-Inf	2.82	3	Vertical	343	1.73	-	103.27	31.67	5.63	34.48
PK	5.149995G	67.67	74.00	-6.33	2.80	3	Vertical	343	1.73	-	64.87	31.66	5.62	34.48
PK	5.1816G	117.46	Inf	-Inf	2.82	3	Vertical	343	1.73	-	114.64	31.67	5.63	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

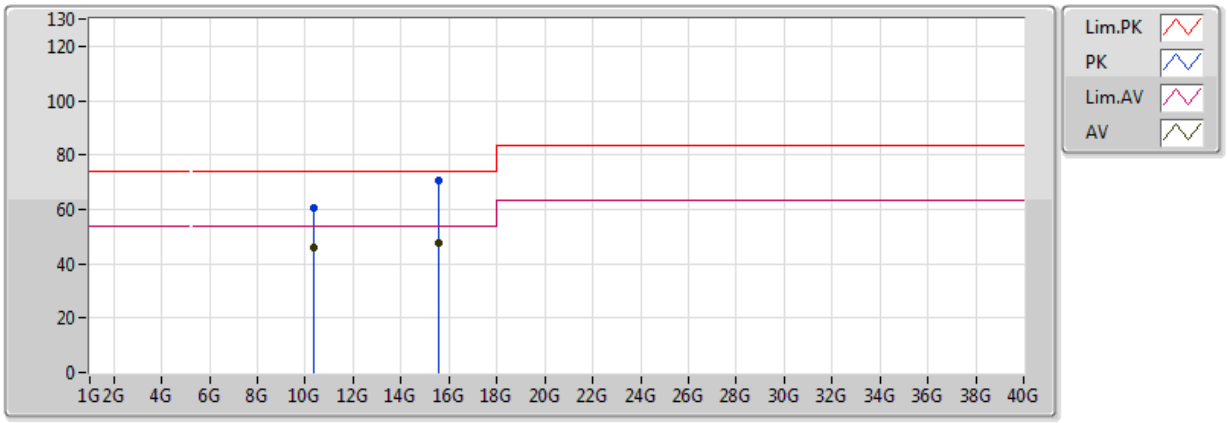


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	53.28	54.00	-0.72	2.80	3	Horizontal	321	1.85	-	50.48	31.66	5.62	34.48
AV	5.173G	105.41	Inf	-Inf	2.81	3	Horizontal	321	1.85	-	102.60	31.67	5.62	34.48
PK	5.1498G	68.65	74.00	-5.35	2.80	3	Horizontal	321	1.85	-	65.85	31.66	5.62	34.48
PK	5.1738G	116.29	Inf	-Inf	2.81	3	Horizontal	321	1.85	-	113.48	31.67	5.62	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

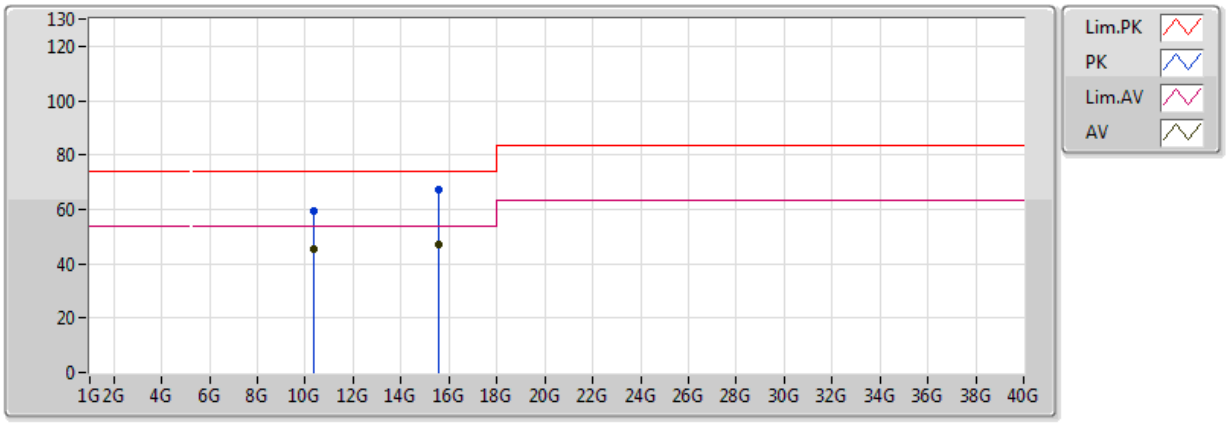


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.36G	45.90	54.00	-8.10	12.44	3	Vertical	27	1.24	-	33.46	39.50	7.93	35.00
AV	15.54G	47.44	54.00	-6.56	14.12	3	Vertical	5	2.78	-	33.32	38.85	9.96	34.68
PK	10.36G	60.63	74.00	-13.37	12.44	3	Vertical	27	1.24	-	48.19	39.50	7.93	35.00
PK	15.54G	70.45	74.00	-3.55	14.12	3	Vertical	5	2.78	-	56.33	38.85	9.96	34.68

802.11ac VHT20_Nss1,(MCS0)_2TX

5180MHz_TX

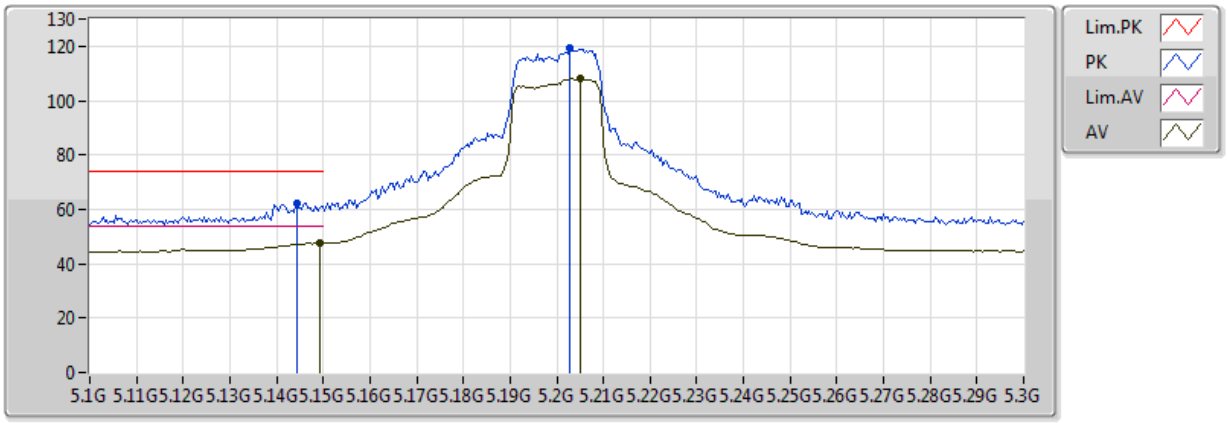


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.36G	45.16	54.00	-8.84	12.44	3	Horizontal	36	1.50	-	32.72	39.50	7.93	35.00
AV	15.54G	47.15	54.00	-6.85	14.12	3	Horizontal	24	1.51	-	33.03	38.85	9.96	34.68
PK	10.36G	59.24	74.00	-14.76	12.44	3	Horizontal	36	1.50	-	46.80	39.50	7.93	35.00
PK	15.54G	67.46	74.00	-6.54	14.12	3	Horizontal	24	1.51	-	53.34	38.85	9.96	34.68

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

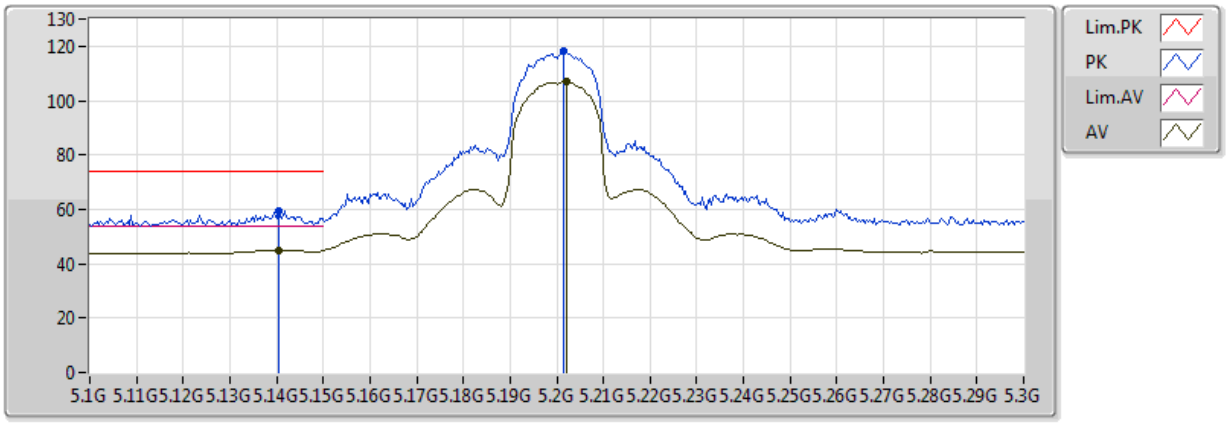


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1492G	47.71	54.00	-6.29	2.80	3	Vertical	343	1.82	-	44.91	31.66	5.62	34.48
AV	5.2052G	107.93	Inf	-Inf	2.83	3	Vertical	343	1.82	-	105.10	31.68	5.63	34.48
PK	5.1444G	62.33	74.00	-11.67	2.80	3	Vertical	343	1.82	-	59.53	31.66	5.62	34.48
PK	5.2028G	119.24	Inf	-Inf	2.83	3	Vertical	343	1.82	-	116.40	31.68	5.63	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

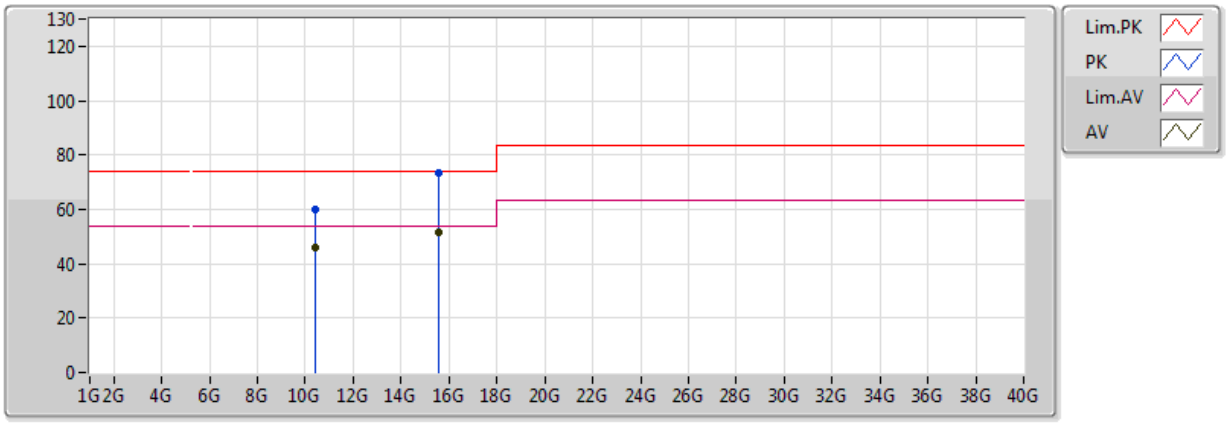


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1404G	45.00	54.00	-9.00	2.79	3	Horizontal	310	1.92	-	42.21	31.66	5.62	34.48
AV	5.202G	106.96	Inf	-Inf	2.83	3	Horizontal	310	1.92	-	104.13	31.68	5.63	34.48
PK	5.1404G	59.51	74.00	-14.49	2.79	3	Horizontal	310	1.92	-	56.71	31.66	5.62	34.48
PK	5.2016G	118.24	Inf	-Inf	2.83	3	Horizontal	310	1.92	-	115.41	31.68	5.63	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

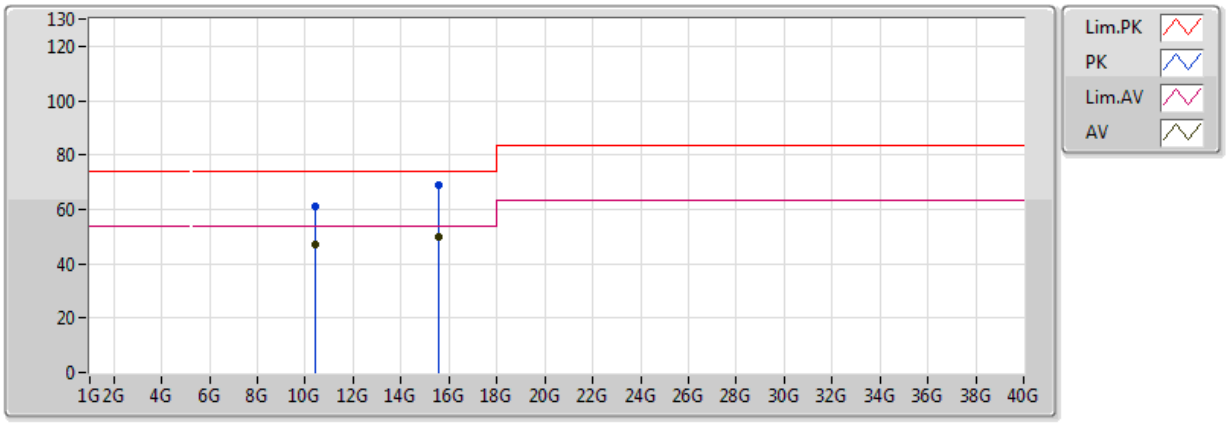


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.3976G	45.68	54.00	-8.32	12.53	3	Vertical	18	1.36	-	33.15	39.56	7.95	34.97
AV	15.5972G	51.55	54.00	-2.45	13.85	3	Vertical	7	2.95	-	37.70	38.63	9.97	34.75
PK	10.3978G	60.17	74.00	-13.83	12.53	3	Vertical	18	1.36	-	47.63	39.56	7.95	34.97
PK	15.5978G	73.61	74.00	-0.39	13.85	3	Vertical	7	2.95	-	59.76	38.63	9.97	34.75

802.11ac VHT20_Nss1,(MCS0)_2TX

5200MHz_TX

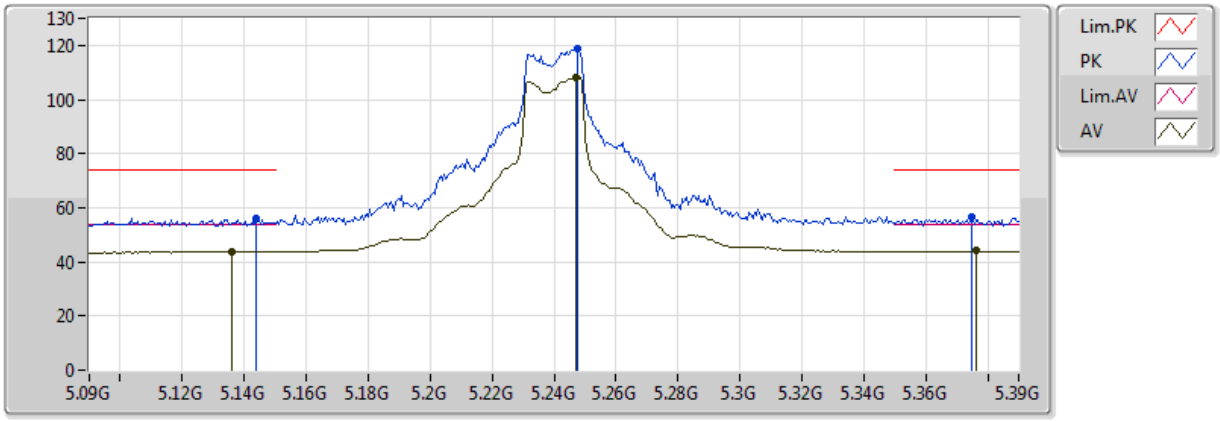


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.3996G	46.98	54.00	-7.02	12.54	3	Horizontal	41	2.50	-	34.44	39.56	7.95	34.97
AV	15.6008G	49.85	54.00	-4.15	13.83	3	Horizontal	9	2.82	-	36.01	38.62	9.97	34.75
PK	10.3978G	61.32	74.00	-12.68	12.53	3	Horizontal	41	2.50	-	48.78	39.56	7.95	34.97
PK	15.5982G	69.15	74.00	-4.85	13.85	3	Horizontal	9	2.82	-	55.30	38.63	9.97	34.75

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

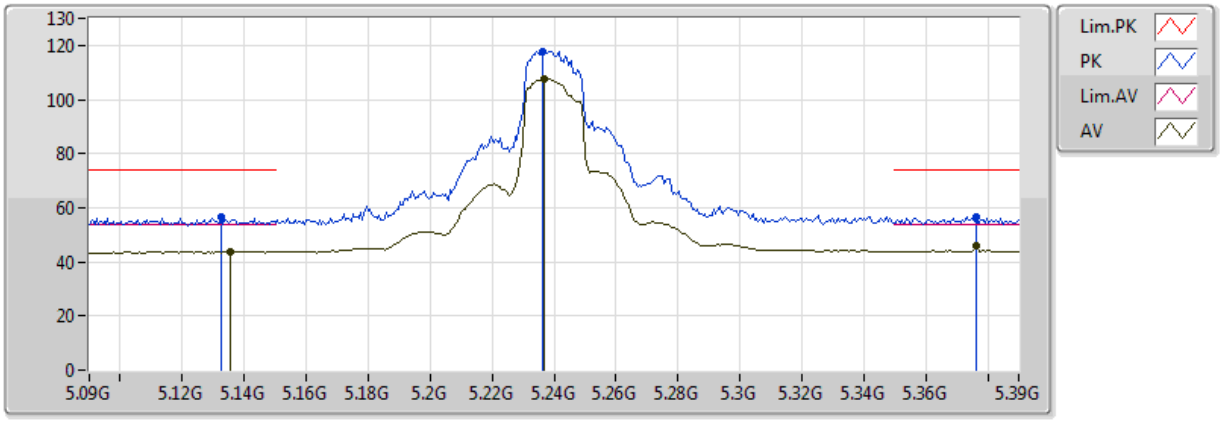


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1362G	43.94	54.00	-10.06	2.79	3	Vertical	341	1.65	-	41.15	31.65	5.62	34.48
AV	5.3762G	44.20	54.00	-9.80	2.92	3	Vertical	341	1.65	-	41.28	31.75	5.66	34.49
AV	5.2472G	108.09	Inf	-Inf	2.85	3	Vertical	341	1.65	-	105.24	31.70	5.63	34.48
PK	5.144G	56.09	74.00	-17.91	2.80	3	Vertical	341	1.65	-	53.29	31.66	5.62	34.48
PK	5.375G	56.69	74.00	-17.31	2.91	3	Vertical	341	1.65	-	53.78	31.75	5.66	34.49
PK	5.2478G	118.83	Inf	-Inf	2.85	3	Vertical	341	1.65	-	115.98	31.70	5.63	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

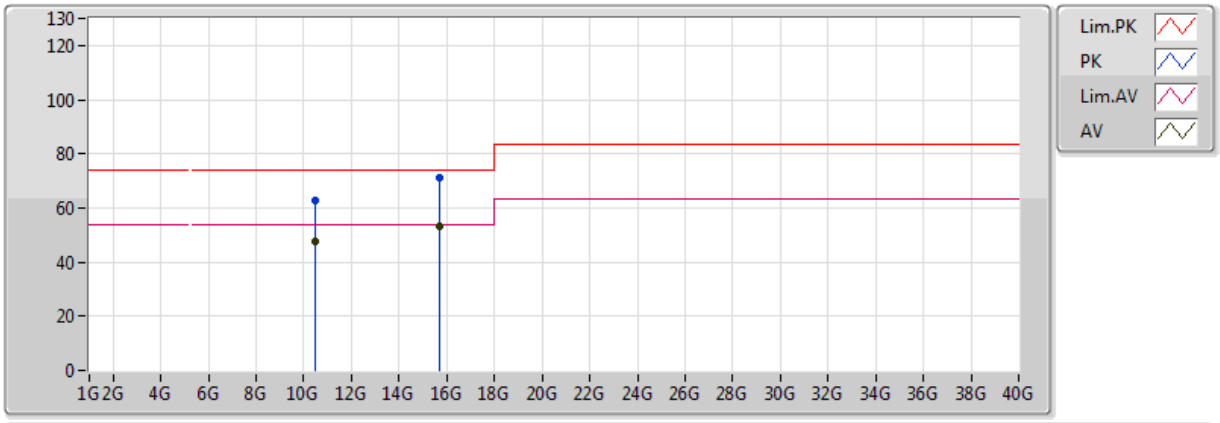


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1356G	43.83	54.00	-10.17	2.79	3	Horizontal	319	1.82	-	41.04	31.65	5.62	34.48
AV	5.3762G	46.03	54.00	-7.97	2.92	3	Horizontal	319	1.82	-	43.12	31.75	5.66	34.49
AV	5.237G	107.82	Inf	-Inf	2.84	3	Horizontal	319	1.82	-	104.97	31.69	5.63	34.48
PK	5.1326G	56.33	74.00	-17.67	2.79	3	Horizontal	319	1.82	-	53.54	31.65	5.62	34.48
PK	5.3762G	56.85	74.00	-17.15	2.92	3	Horizontal	319	1.82	-	53.93	31.75	5.66	34.49
PK	5.2364G	117.87	Inf	-Inf	2.84	3	Horizontal	319	1.82	-	115.03	31.69	5.63	34.48

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

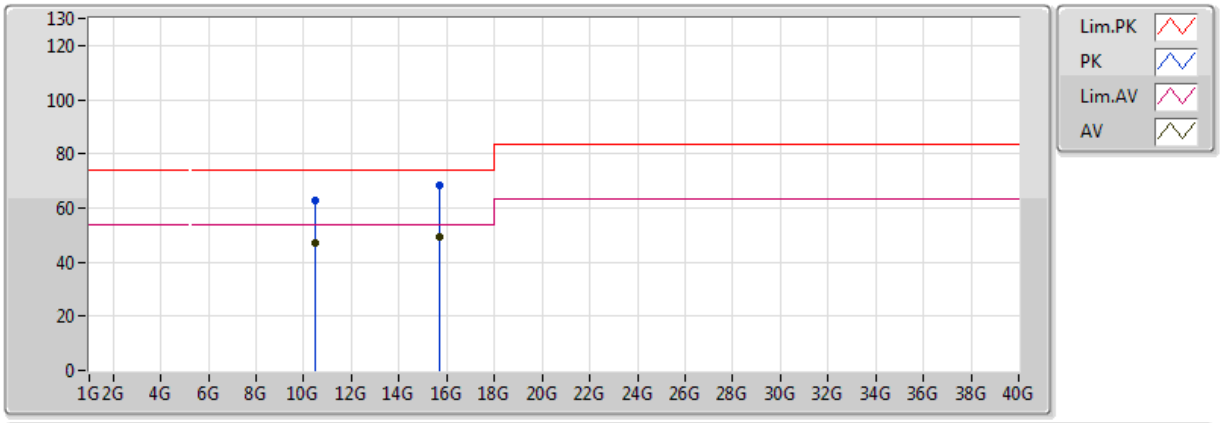


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.48G	47.60	54.00	-6.40	12.74	3	Vertical	29	1.84	-	34.86	39.67	7.99	34.91
AV	15.7184G	52.97	54.00	-1.03	13.27	3	Vertical	7	3.23	-	39.70	38.17	10.00	34.90
PK	10.481G	62.62	74.00	-11.38	12.75	3	Vertical	29	1.84	-	49.88	39.67	7.99	34.91
PK	15.7182G	71.08	74.00	-2.92	13.27	3	Vertical	7	3.23	-	57.80	38.17	10.00	34.90

802.11ac VHT20_Nss1,(MCS0)_2TX

5240MHz_TX

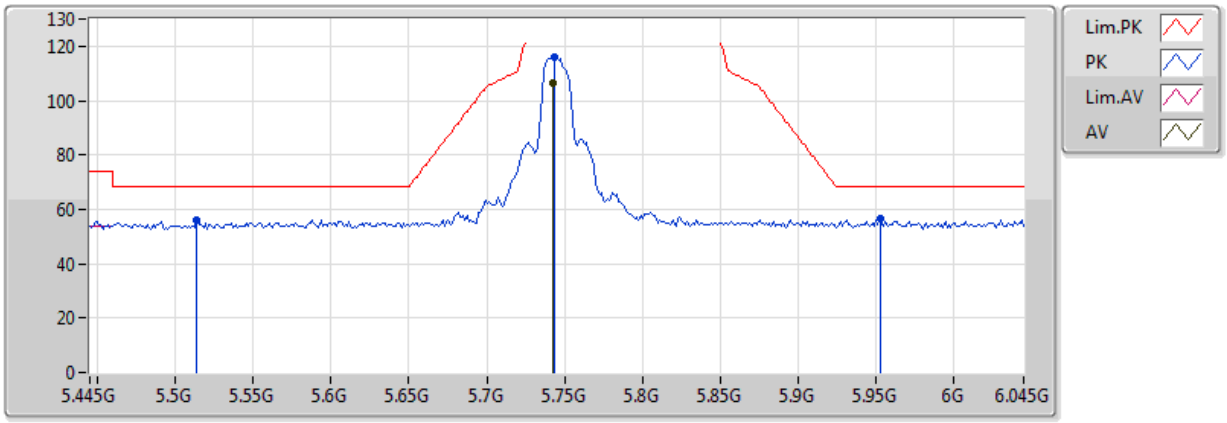


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.475G	47.12	54.00	-6.88	12.73	3	Horizontal	351	1.64	-	34.39	39.66	7.98	34.92
AV	15.712G	49.42	54.00	-4.58	13.30	3	Horizontal	24	1.43	-	36.12	38.19	10.00	34.89
PK	10.4908G	62.59	74.00	-11.41	12.77	3	Horizontal	351	1.64	-	49.82	39.69	7.99	34.91
PK	15.7104G	68.13	74.00	-5.87	13.31	3	Horizontal	24	1.43	-	54.82	38.20	10.00	34.89

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

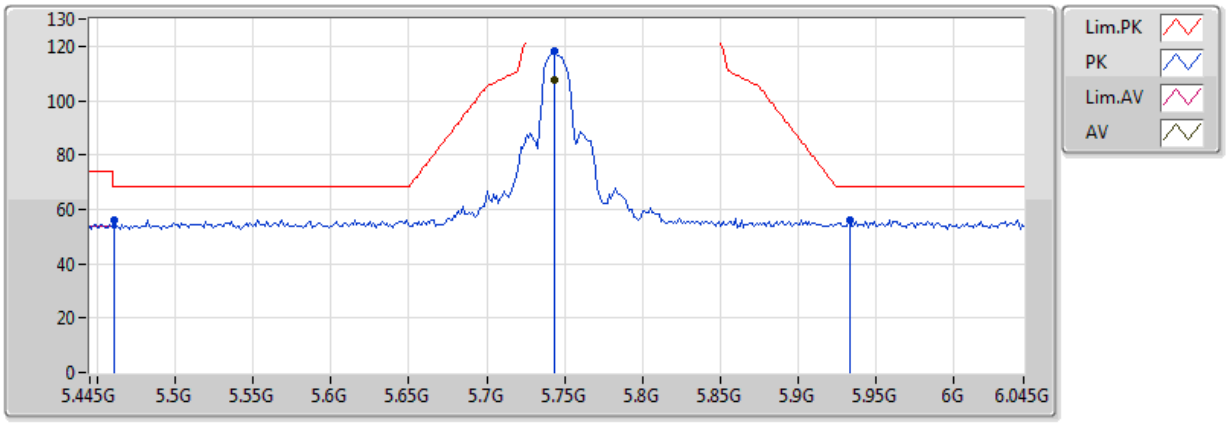


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7426G	106.30	Inf	-Inf	3.48	3	Vertical	27	1.44	-	102.81	32.19	5.84	34.55
PK	5.5134G	56.12	68.20	-12.08	3.01	3	Vertical	27	1.44	-	53.11	31.82	5.68	34.49
PK	5.9526G	56.41	68.20	-11.79	3.92	3	Vertical	27	1.44	-	52.49	32.52	6.00	34.60
PK	5.7438G	115.98	Inf	-Inf	3.49	3	Vertical	27	1.44	-	112.50	32.19	5.85	34.55

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

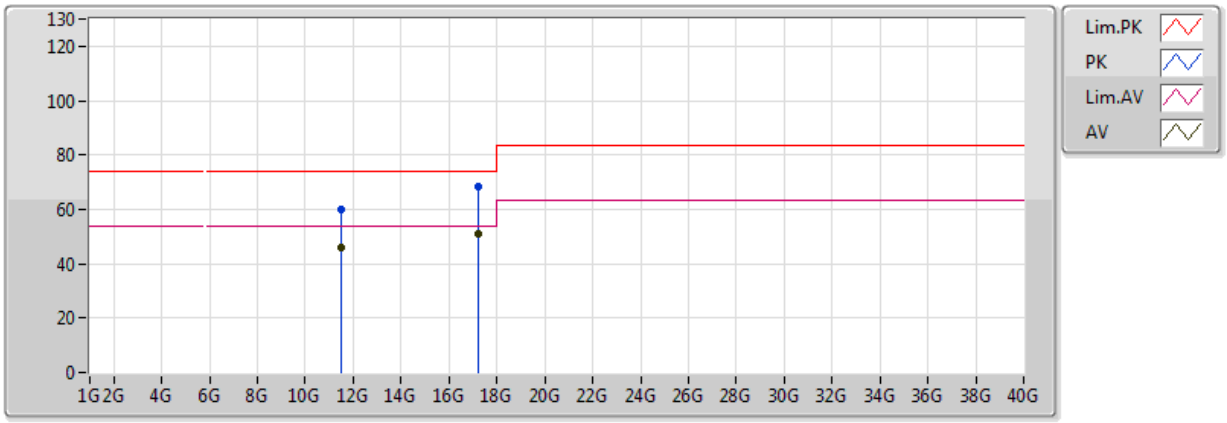


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7438G	107.73	Inf	-Inf	3.49	3	Horizontal	319	1.40	-	104.25	32.19	5.85	34.55
PK	5.4606G	56.11	68.20	-12.09	2.96	3	Horizontal	319	1.40	-	53.15	31.78	5.67	34.49
PK	5.9334G	56.07	68.20	-12.13	3.88	3	Horizontal	319	1.40	-	52.19	32.49	5.98	34.60
PK	5.7438G	117.96	Inf	-Inf	3.49	3	Horizontal	319	1.40	-	114.47	32.19	5.85	34.55

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

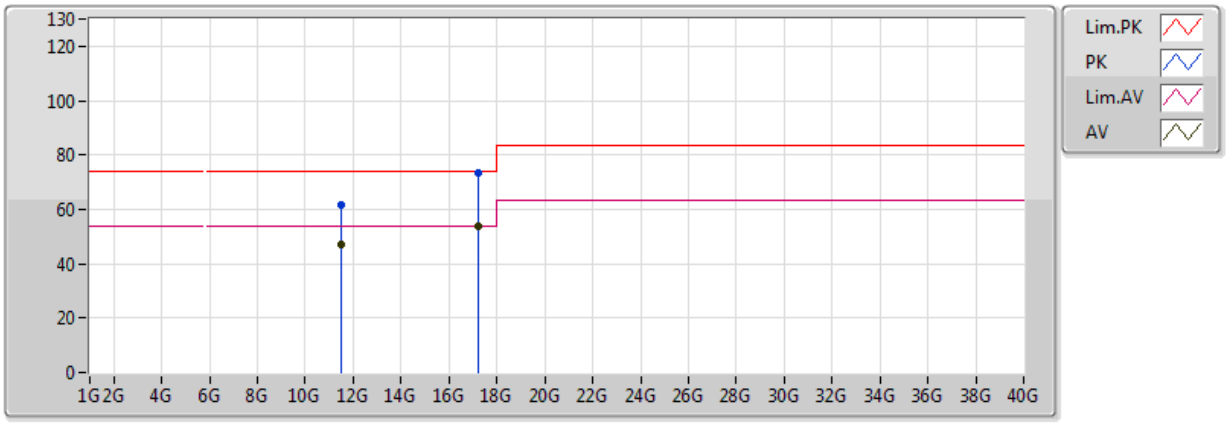


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49G	45.94	54.00	-8.06	17.74	3	Vertical	15	1.45	-	28.20	39.41	9.44	31.11
AV	17.235G	51.24	54.00	-2.76	21.96	3	Vertical	341	1.66	-	29.28	41.92	11.82	31.78
PK	11.49G	60.17	74.00	-13.83	17.74	3	Vertical	15	1.45	-	42.43	39.41	9.44	31.11
PK	17.235G	68.29	74.00	-5.71	21.96	3	Vertical	341	1.66	-	46.33	41.92	11.82	31.78

802.11ac VHT20_Nss1,(MCS0)_2TX

5745MHz_TX

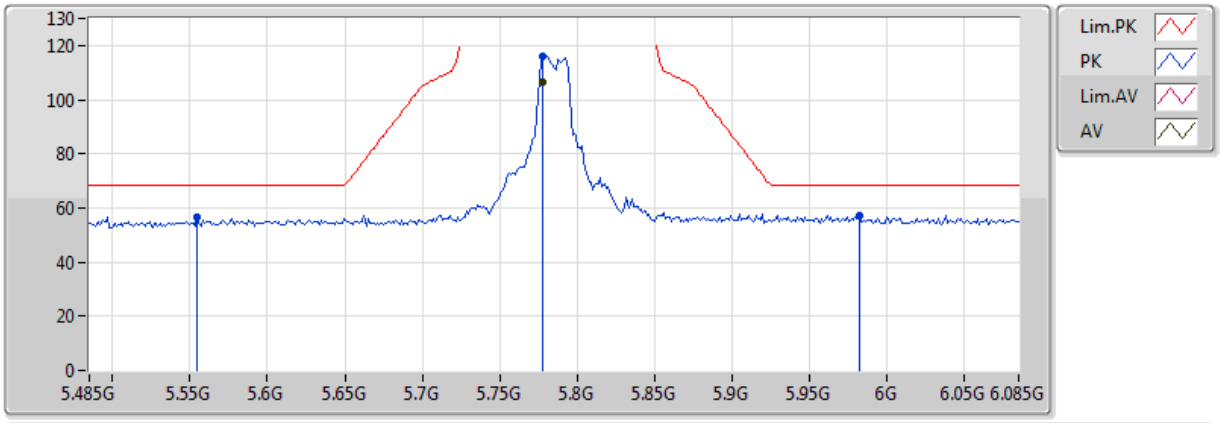


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.49G	46.95	54.00	-7.05	17.74	3	Horizontal	27	1.41	-	29.21	39.41	9.44	31.11
AV	17.235G	53.88	54.00	-0.12	21.96	3	Horizontal	303	1.90	-	31.92	41.92	11.82	31.78
PK	11.49G	61.45	74.00	-12.55	17.74	3	Horizontal	27	1.41	-	43.71	39.41	9.44	31.11
PK	17.235G	73.58	74.00	-0.42	21.96	3	Horizontal	303	1.90	-	51.62	41.92	11.82	31.78

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

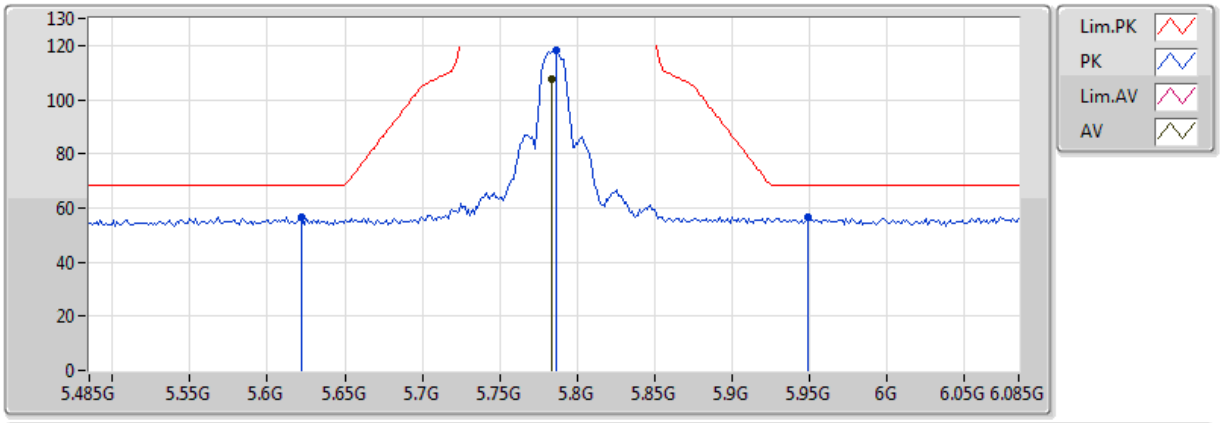


EUT=X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7778G	106.41	Inf	-Inf	3.56	3	Vertical	336	1.87	-	102.85	32.24	5.87	34.56
PK	5.5546G	56.49	68.20	-11.71	3.09	3	Vertical	336	1.87	-	53.40	31.89	5.71	34.50
PK	5.9818G	57.12	68.20	-11.08	3.98	3	Vertical	336	1.87	-	53.14	32.57	6.02	34.61
PK	5.7778G	116.02	Inf	-Inf	3.56	3	Vertical	336	1.87	-	112.46	32.24	5.87	34.56

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

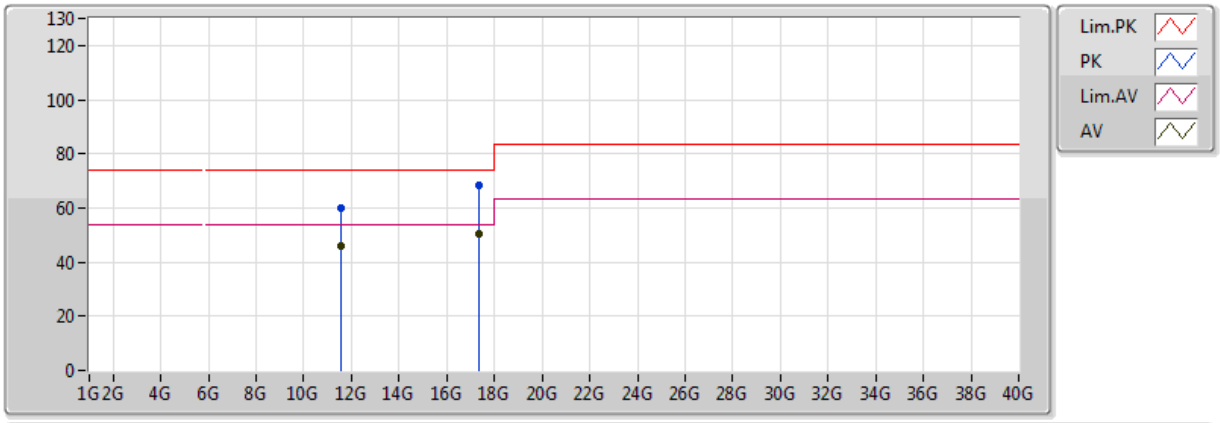


EUT=X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7838G	107.74	Inf	-Inf	3.57	3	Horizontal	319	1.43	-	104.17	32.25	5.88	34.56
PK	5.6218G	56.67	68.20	-11.53	3.23	3	Horizontal	319	1.43	-	53.44	31.99	5.76	34.52
PK	5.9494G	56.44	68.20	-11.76	3.91	3	Horizontal	319	1.43	-	52.52	32.52	5.99	34.60
PK	5.7862G	118.51	Inf	-Inf	3.58	3	Horizontal	319	1.43	-	114.93	32.26	5.88	34.56

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

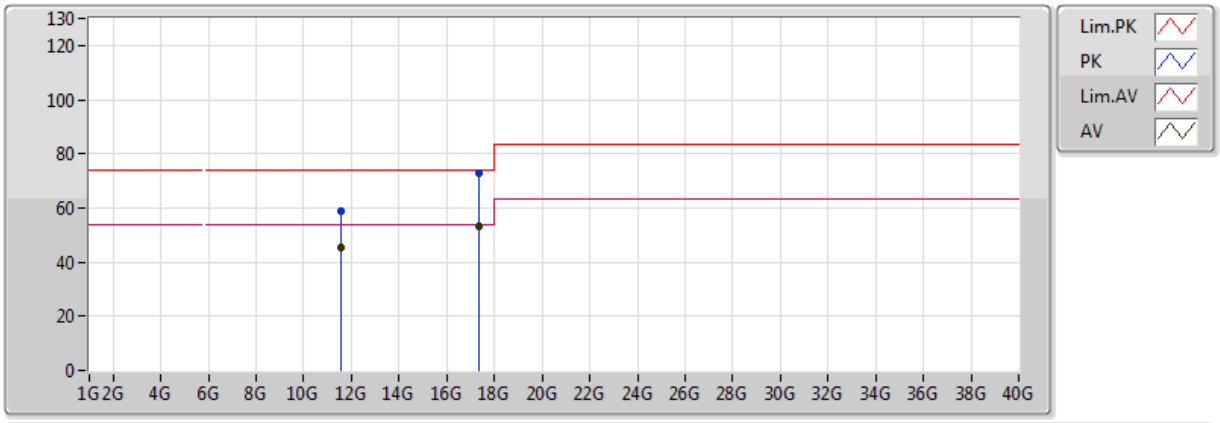


EUT=X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5602G	45.90	54.00	-8.10	13.31	3	Vertical	326	3.38	-	32.59	39.62	8.37	34.67
AV	17.345G	50.44	54.00	-3.56	18.99	3	Vertical	346	1.66	-	31.45	42.35	10.52	33.88
PK	11.5628G	59.74	74.00	-14.26	13.31	3	Vertical	326	3.38	-	46.44	39.61	8.37	34.68
PK	17.3528G	68.15	74.00	-5.85	19.04	3	Vertical	346	1.66	-	49.11	42.40	10.53	33.88

802.11ac VHT20_Nss1,(MCS0)_2TX

5785MHz_TX

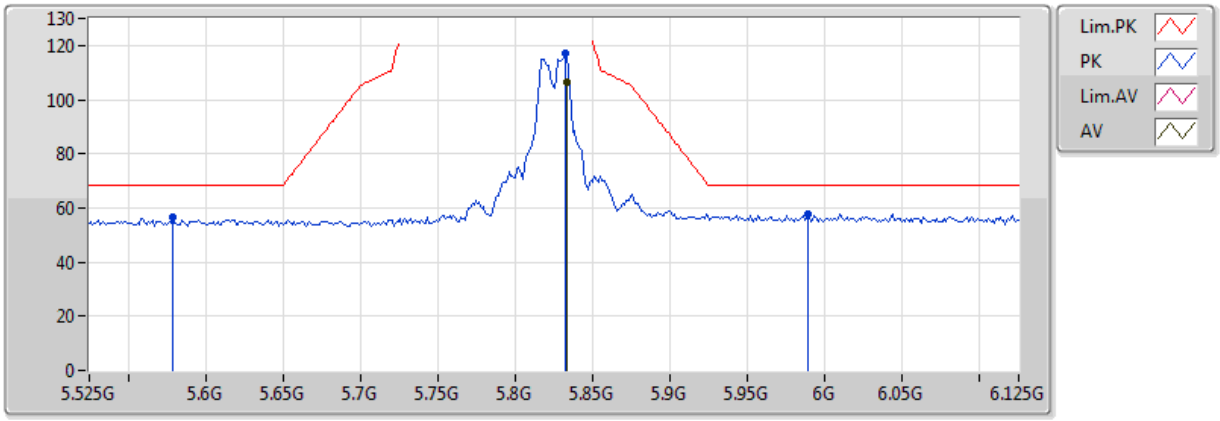


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5732G	45.35	54.00	-8.65	13.29	3	Horizontal	48	1.71	-	32.05	39.60	8.37	34.68
AV	17.3474G	53.31	54.00	-0.69	19.01	3	Horizontal	302	2.37	-	34.30	42.36	10.52	33.88
PK	11.5748G	59.04	74.00	-14.96	13.29	3	Horizontal	48	1.71	-	45.75	39.60	8.38	34.68
PK	17.3526G	72.89	74.00	-1.11	19.04	3	Horizontal	302	2.37	-	53.85	42.40	10.53	33.88

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

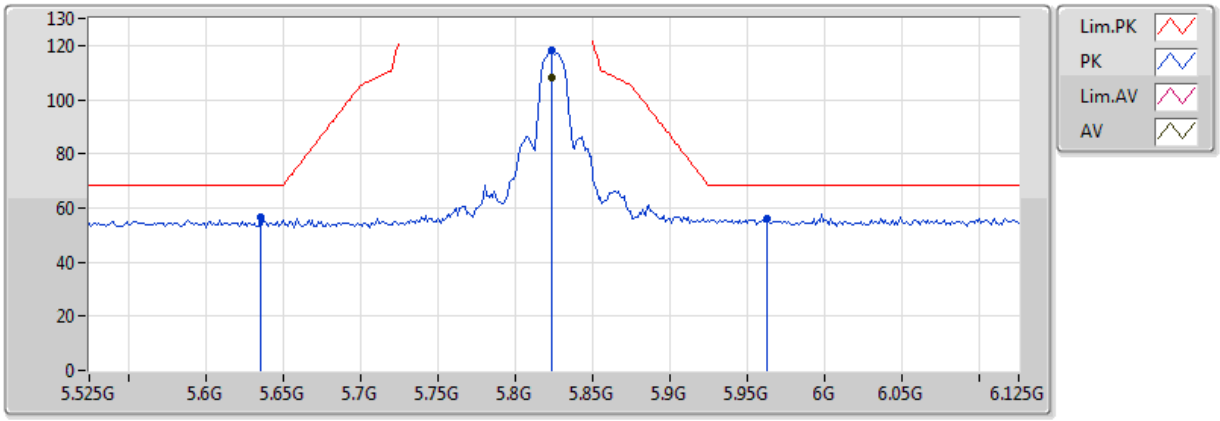


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8334G	106.50	Inf	-Inf	3.68	3	Vertical	333	1.57	-	102.82	32.33	5.91	34.57
PK	5.579G	56.39	68.20	-11.81	3.15	3	Vertical	333	1.57	-	53.24	31.93	5.73	34.51
PK	5.9894G	57.64	68.20	-10.56	4.00	3	Vertical	333	1.57	-	53.64	32.58	6.02	34.61
PK	5.8322G	116.93	Inf	-Inf	3.67	3	Vertical	333	1.57	-	113.25	32.33	5.91	34.57

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

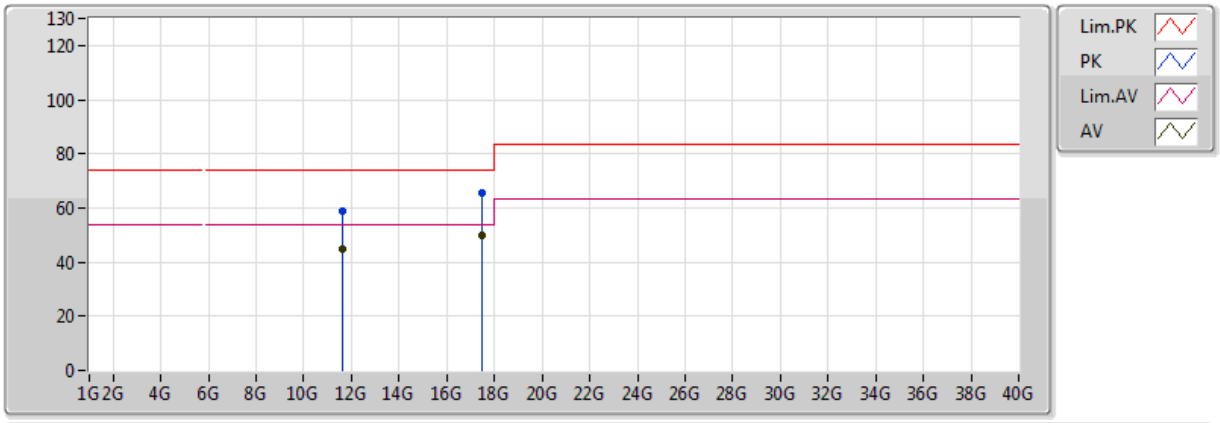


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8238G	107.96	Inf	-Inf	3.66	3	Horizontal	322	1.49	-	104.31	32.32	5.91	34.57
PK	5.6354G	56.35	68.20	-11.85	3.26	3	Horizontal	322	1.49	-	53.09	32.02	5.76	34.52
PK	5.963G	56.11	68.20	-12.09	3.94	3	Horizontal	322	1.49	-	52.17	32.54	6.00	34.60
PK	5.8238G	118.23	Inf	-Inf	3.66	3	Horizontal	322	1.49	-	114.57	32.32	5.91	34.57

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

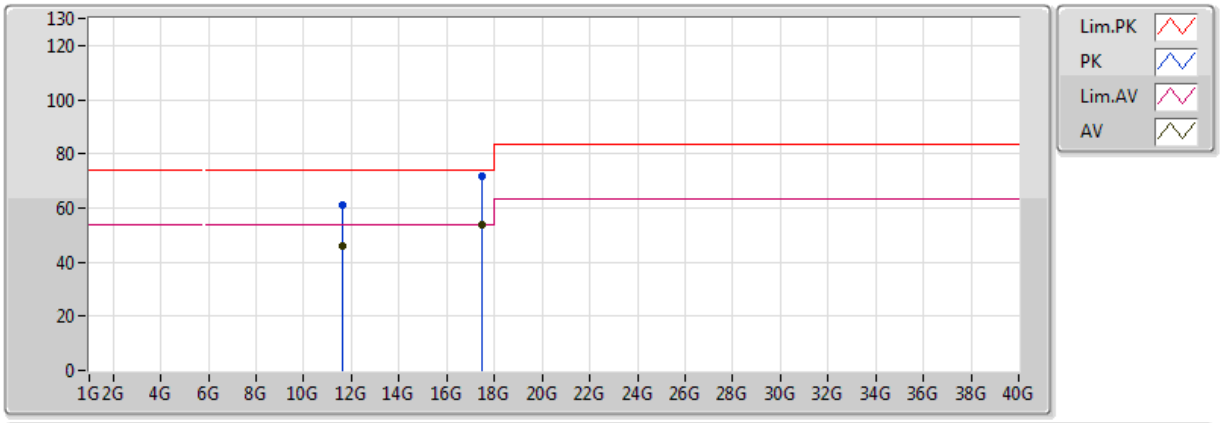


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6536G	45.03	54.00	-8.97	13.18	3	Vertical	19	1.48	-	31.84	39.48	8.40	34.70
AV	17.4648G	49.84	54.00	-4.16	19.80	3	Vertical	346	1.64	-	30.04	43.16	10.58	33.94
PK	11.6546G	58.93	74.00	-15.07	13.18	3	Vertical	19	1.48	-	45.75	39.48	8.40	34.70
PK	17.4732G	65.51	74.00	-8.49	19.86	3	Vertical	346	1.64	-	45.65	43.22	10.58	33.94

802.11ac VHT20_Nss1,(MCS0)_2TX

5825MHz_TX

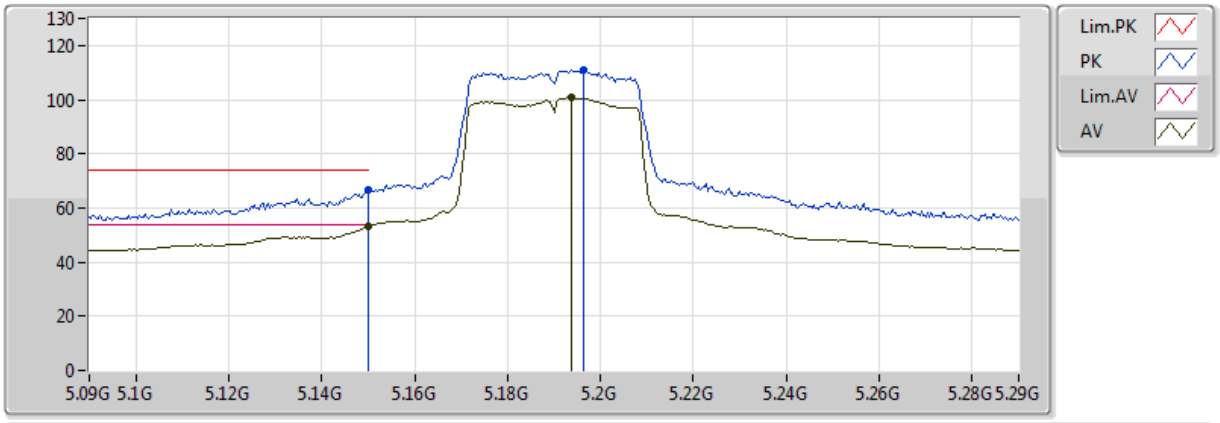


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.6538G	45.88	54.00	-8.12	13.18	3	Horizontal	30	1.50	-	32.70	39.48	8.40	34.70
AV	17.4732G	53.88	54.00	-0.12	19.86	3	Horizontal	308	1.68	-	34.03	43.22	10.58	33.94
PK	11.6512G	61.32	74.00	-12.68	13.19	3	Horizontal	30	1.50	-	48.13	39.49	8.40	34.70
PK	17.4732G	71.65	74.00	-2.35	19.86	3	Horizontal	308	1.68	-	51.79	43.22	10.58	33.94

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

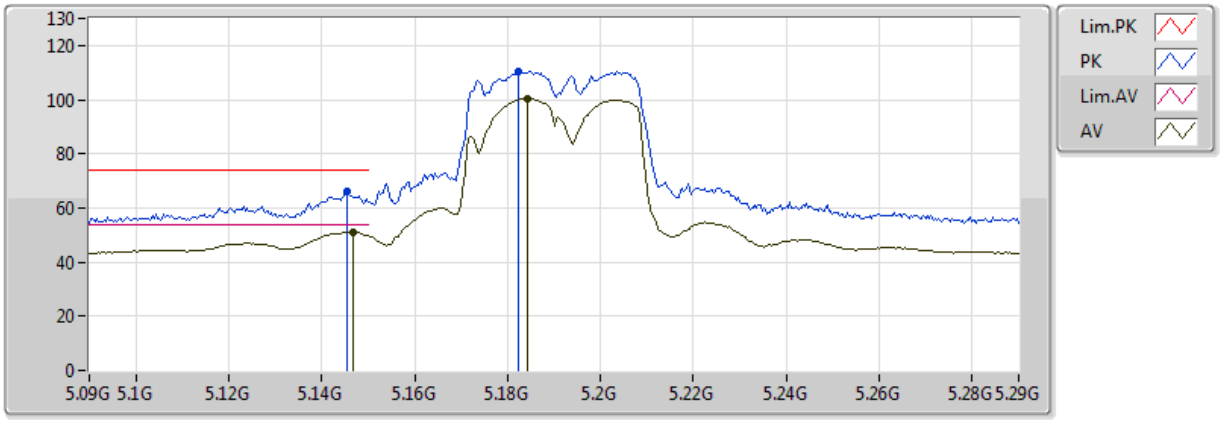


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	53.19	54.00	-0.81	2.80	3	Vertical	341	1.82	-	50.39	31.66	5.62	34.48
AV	5.1936G	100.75	Inf	-Inf	2.83	3	Vertical	341	1.82	-	97.93	31.68	5.63	34.48
PK	5.149995G	66.50	74.00	-7.50	2.80	3	Vertical	341	1.82	-	63.70	31.66	5.62	34.48
PK	5.1964G	110.78	Inf	-Inf	2.83	3	Vertical	341	1.82	-	107.95	31.68	5.63	34.48

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

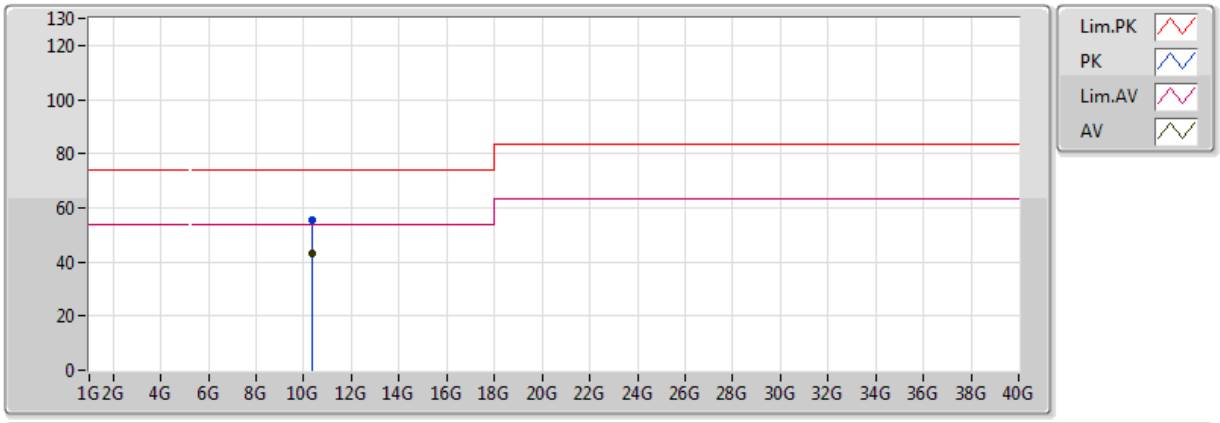


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1468G	51.07	54.00	-2.93	2.80	3	Horizontal	320	1.91	-	48.27	31.66	5.62	34.48
AV	5.1844G	100.35	Inf	-Inf	2.82	3	Horizontal	320	1.91	-	97.53	31.67	5.63	34.48
PK	5.1456G	66.07	74.00	-7.93	2.80	3	Horizontal	320	1.91	-	63.28	31.66	5.62	34.48
PK	5.1824G	110.20	Inf	-Inf	2.82	3	Horizontal	320	1.91	-	107.38	31.67	5.63	34.48

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

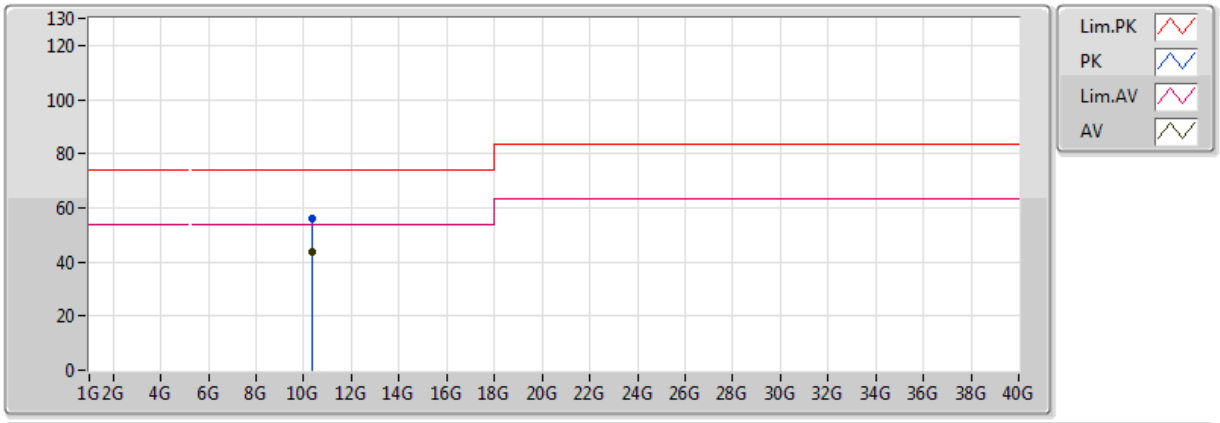


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.38G	43.16	54.00	-10.84	12.49	3	Vertical	351	1.49	-	30.67	39.53	7.94	34.99
PK	10.3796G	55.24	74.00	-18.76	12.49	3	Vertical	351	1.49	-	42.76	39.53	7.94	34.99

802.11ac VHT40_Nss1,(MCS0)_2TX

5190MHz_TX

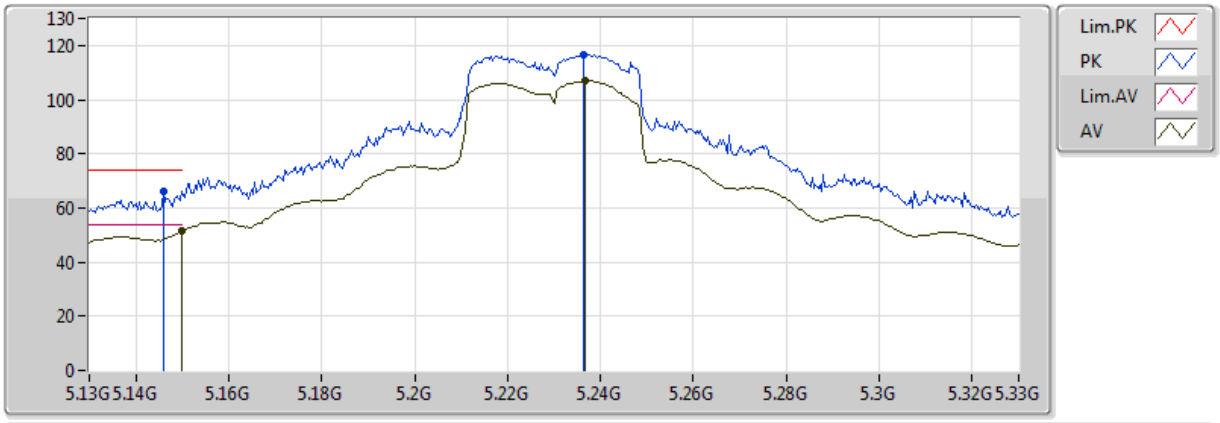


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.38G	43.89	54.00	-10.11	12.49	3	Horizontal	38	1.56	-	31.41	39.53	7.94	34.99
PK	10.3798G	56.11	74.00	-17.89	12.49	3	Horizontal	38	1.56	-	43.63	39.53	7.94	34.99

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

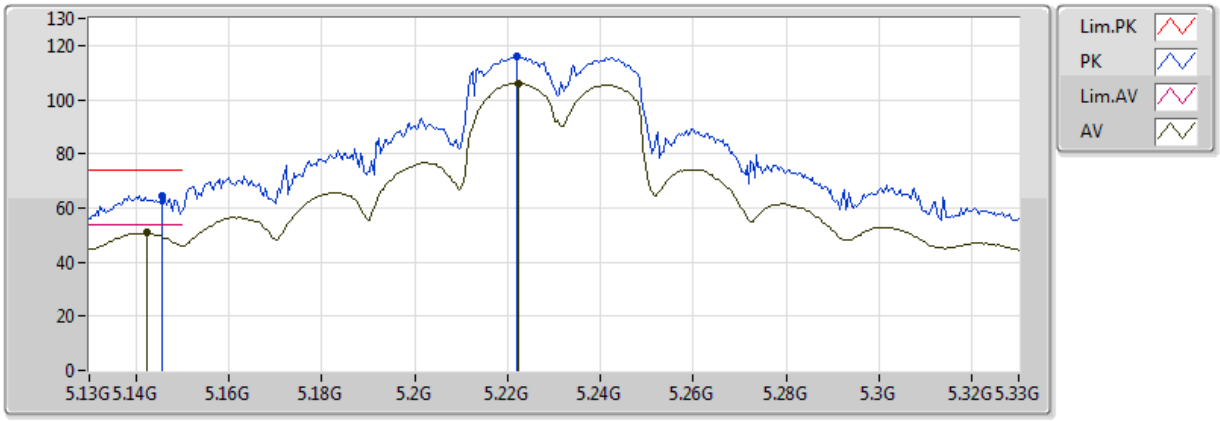


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.149995G	51.32	54.00	-2.68	2.80	3	Vertical	343	1.69	-	48.52	31.66	5.62	34.48
AV	5.2368G	107.07	Inf	-Inf	2.84	3	Vertical	343	1.69	-	104.23	31.69	5.63	34.48
PK	5.146G	66.19	74.00	-7.81	2.80	3	Vertical	343	1.69	-	63.40	31.66	5.62	34.48
PK	5.2364G	116.72	Inf	-Inf	2.84	3	Vertical	343	1.69	-	113.88	31.69	5.63	34.48

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

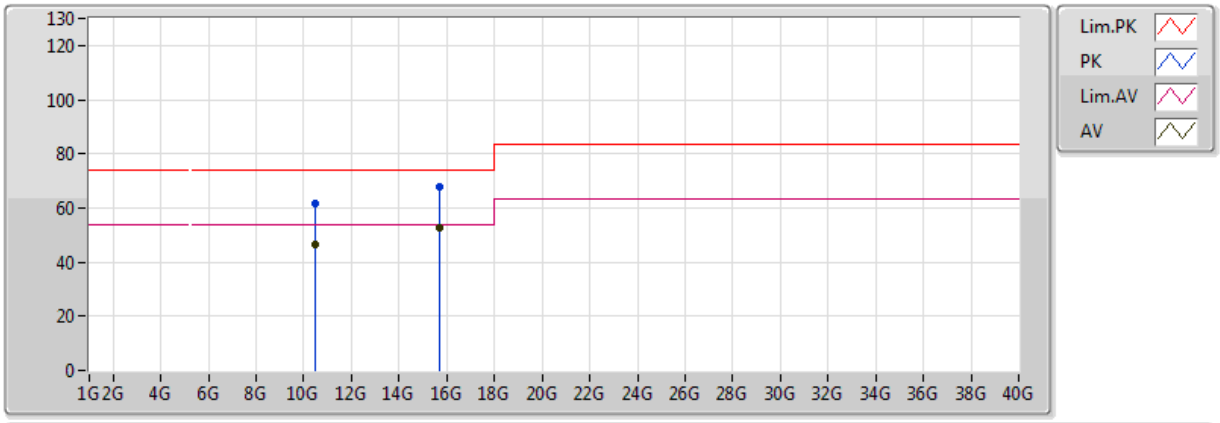


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.1424G	50.73	54.00	-3.27	2.80	3	Horizontal	328	1.87	-	47.93	31.66	5.62	34.48
AV	5.2224G	106.04	Inf	-Inf	2.84	3	Horizontal	328	1.87	-	103.21	31.69	5.63	34.48
PK	5.1456G	64.69	74.00	-9.31	2.80	3	Horizontal	328	1.87	-	61.90	31.66	5.62	34.48
PK	5.222G	116.16	Inf	-Inf	2.84	3	Horizontal	328	1.87	-	113.32	31.69	5.63	34.48

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

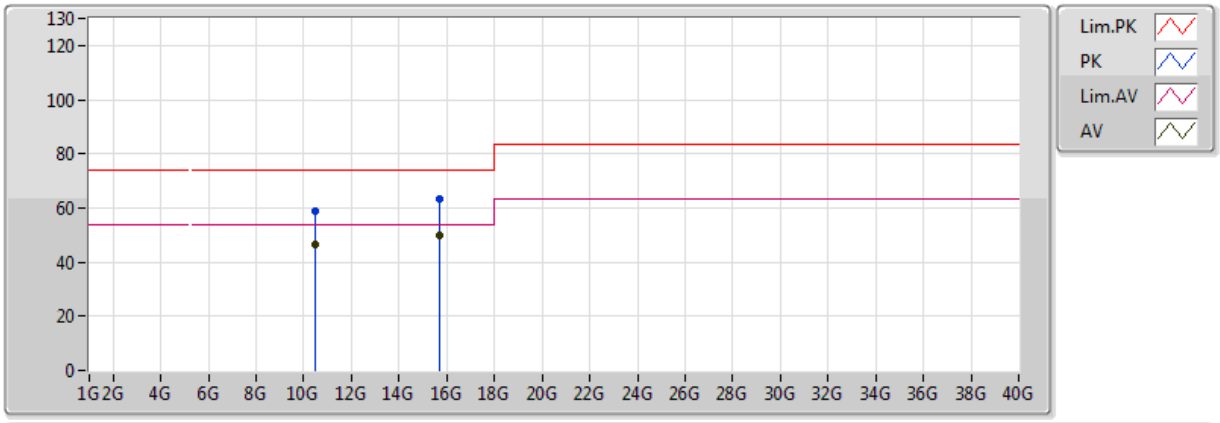


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.46G	46.52	54.00	-7.48	12.69	3	Vertical	29	1.79	-	33.83	39.64	7.98	34.93
AV	15.689G	52.59	54.00	-1.41	13.41	3	Vertical	6	3.15	-	39.18	38.28	9.99	34.86
PK	10.4614G	61.89	74.00	-12.11	12.70	3	Vertical	29	1.79	-	49.20	39.65	7.98	34.93
PK	15.6878G	67.98	74.00	-6.02	13.42	3	Vertical	6	3.15	-	54.57	38.29	9.99	34.86

802.11ac VHT40_Nss1,(MCS0)_2TX

5230MHz_TX

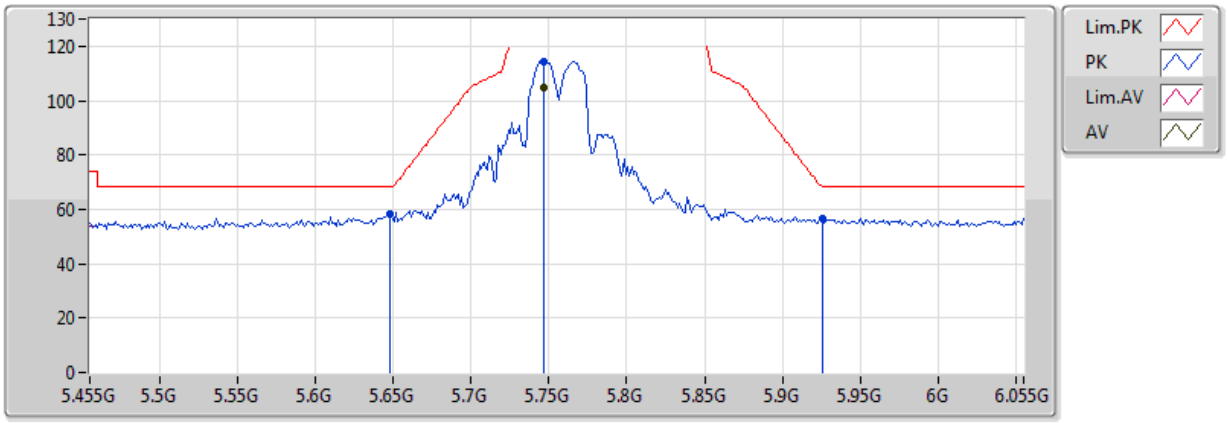


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.46G	46.39	54.00	-7.61	12.69	3	Horizontal	348	1.73	-	33.70	39.64	7.98	34.93
AV	15.6818G	49.63	54.00	-4.37	13.45	3	Horizontal	23	1.36	-	36.18	38.31	9.99	34.85
PK	10.4566G	59.00	74.00	-15.00	12.68	3	Horizontal	348	1.73	-	46.32	39.64	7.98	34.93
PK	15.682G	63.43	74.00	-10.57	13.45	3	Horizontal	23	1.36	-	49.99	38.31	9.99	34.85

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

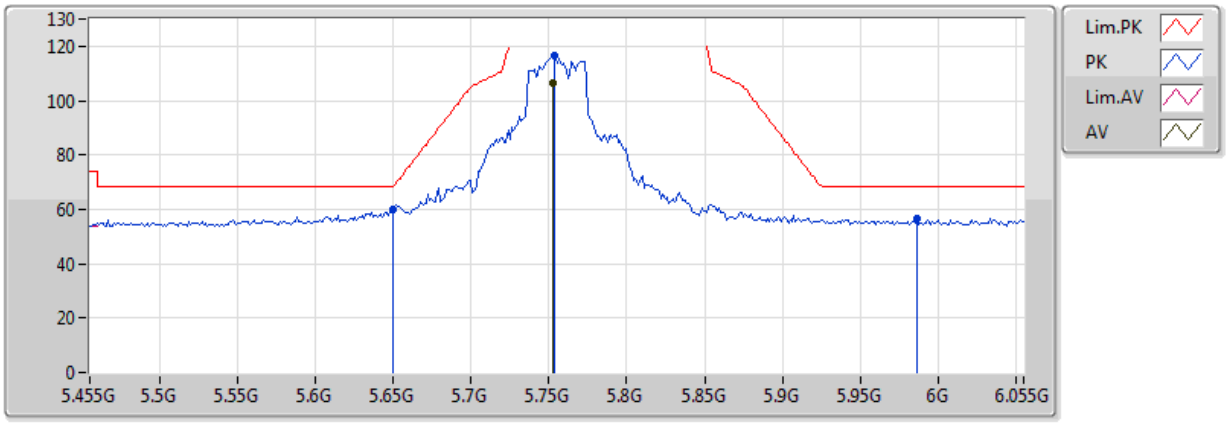


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7466G	104.85	Inf	-Inf	3.49	3	Vertical	332	1.71	-	101.36	32.19	5.85	34.55
PK	5.6482G	58.14	68.20	-10.06	3.29	3	Vertical	332	1.71	-	54.86	32.04	5.77	34.52
PK	5.9254G	56.55	68.20	-11.65	3.86	3	Vertical	332	1.71	-	52.69	32.48	5.98	34.60
PK	5.7466G	114.57	Inf	-Inf	3.49	3	Vertical	332	1.71	-	111.08	32.19	5.85	34.55

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

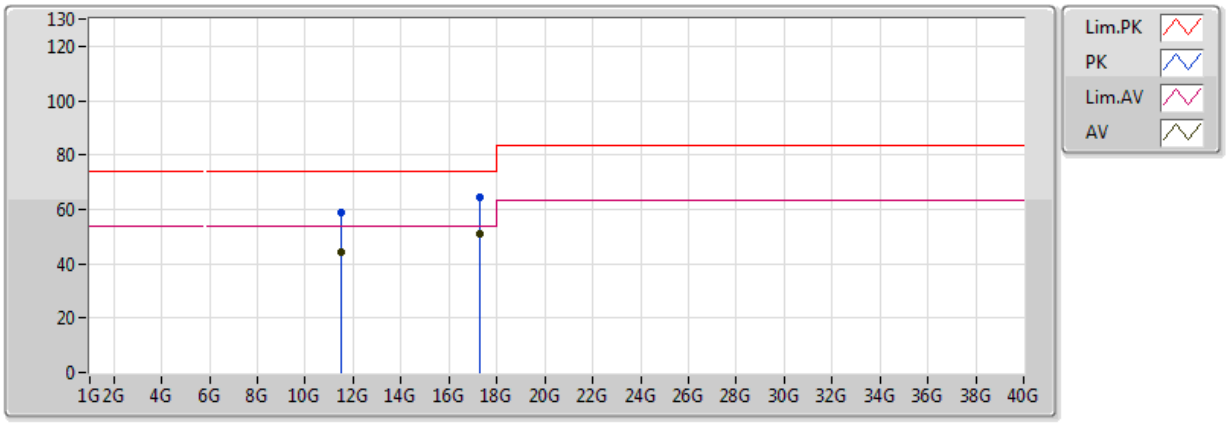


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7526G	106.63	Inf	-Inf	3.51	3	Horizontal	321	1.47	-	103.13	32.20	5.85	34.55
PK	5.6494G	60.21	68.20	-7.99	3.29	3	Horizontal	321	1.47	-	56.93	32.04	5.77	34.52
PK	5.9866G	56.73	68.20	-11.47	3.99	3	Horizontal	321	1.47	-	52.74	32.58	6.02	34.61
PK	5.7538G	116.45	Inf	-Inf	3.51	3	Horizontal	321	1.47	-	112.94	32.21	5.85	34.55

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

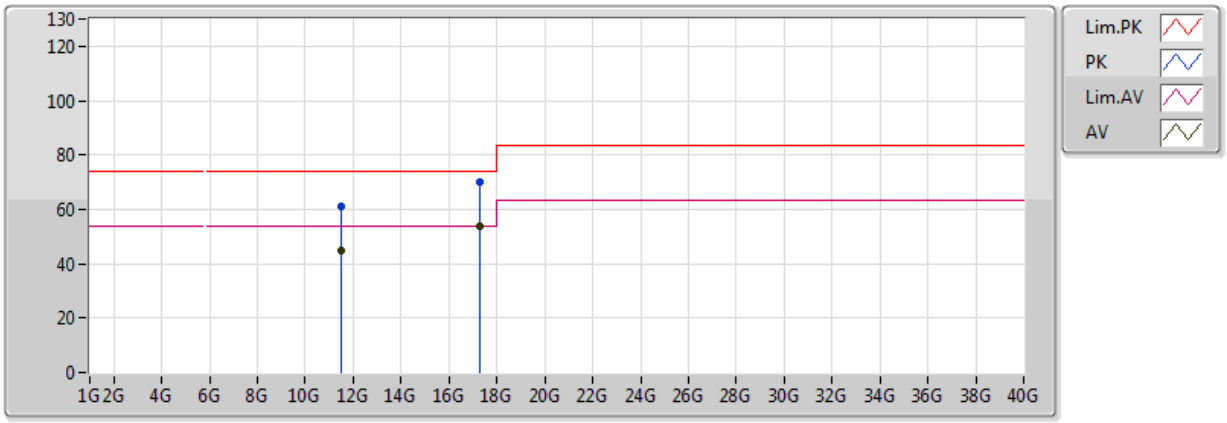


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.51G	44.10	54.00	-9.90	17.73	3	Vertical	14	1.47	-	26.37	39.39	9.45	31.11
AV	17.265G	50.80	54.00	-3.20	22.19	3	Vertical	323	1.32	-	28.61	42.13	11.83	31.77
PK	11.51G	58.95	74.00	-15.05	17.73	3	Vertical	14	1.47	-	41.22	39.39	9.45	31.11
PK	17.265G	64.70	74.00	-9.30	22.19	3	Vertical	323	1.32	-	42.51	42.13	11.83	31.77

802.11ac VHT40_Nss1,(MCS0)_2TX

5755MHz_TX

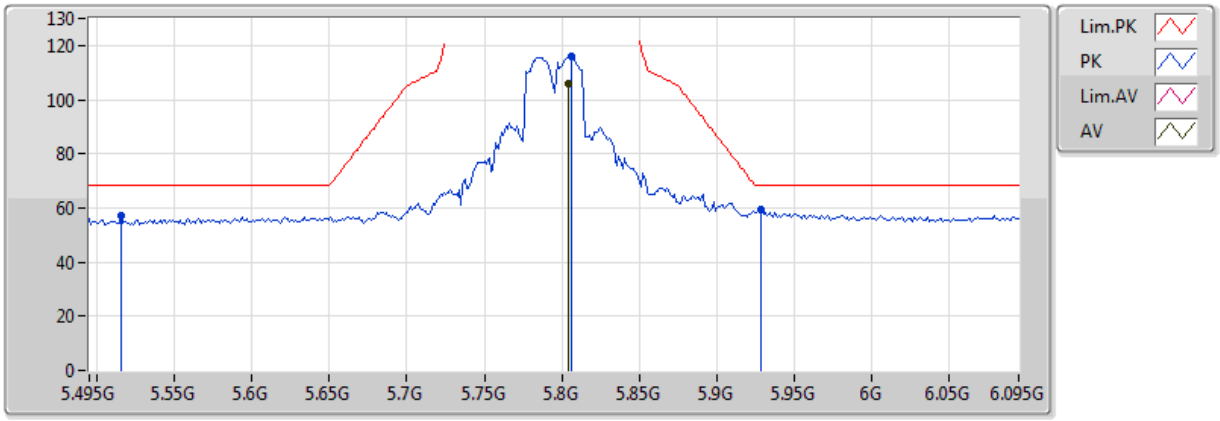


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.51G	44.61	54.00	-9.39	17.73	3	Horizontal	21	1.50	-	26.88	39.39	9.45	31.11
AV	17.265G	53.85	54.00	-0.15	22.19	3	Horizontal	302	1.85	-	31.66	42.13	11.83	31.77
PK	11.51G	60.85	74.00	-13.15	17.73	3	Horizontal	21	1.50	-	43.12	39.39	9.45	31.11
PK	17.265G	69.83	74.00	-4.17	22.19	3	Horizontal	302	1.85	-	47.64	42.13	11.83	31.77

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

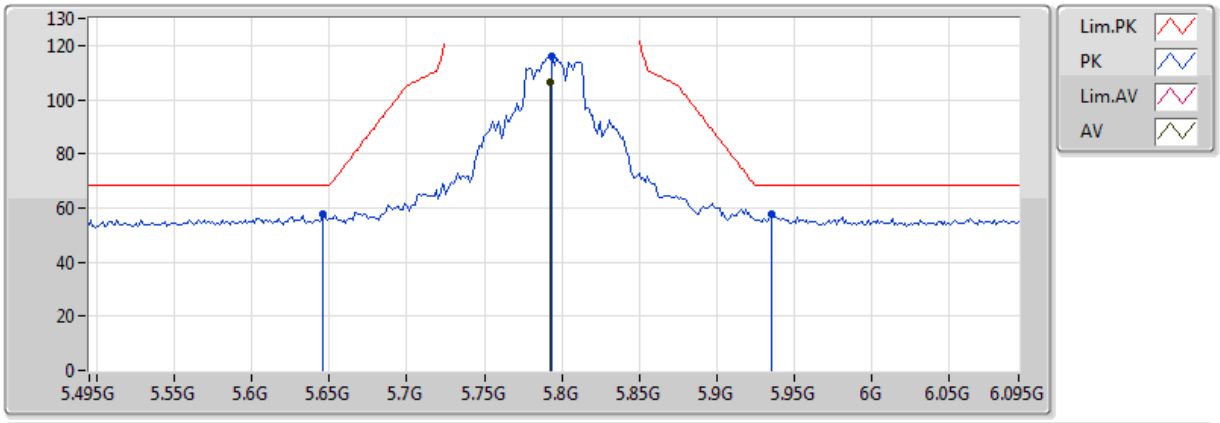


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.8046G	105.95	Inf	-Inf	3.62	3	Vertical	333	1.67	-	102.33	32.29	5.89	34.56
PK	5.5154G	56.99	68.20	-11.21	3.01	3	Vertical	333	1.67	-	53.98	31.82	5.68	34.49
PK	5.9282G	59.48	68.20	-8.72	3.87	3	Vertical	333	1.67	-	55.61	32.49	5.98	34.60
PK	5.8058G	115.75	Inf	-Inf	3.62	3	Vertical	333	1.67	-	112.13	32.29	5.89	34.56

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

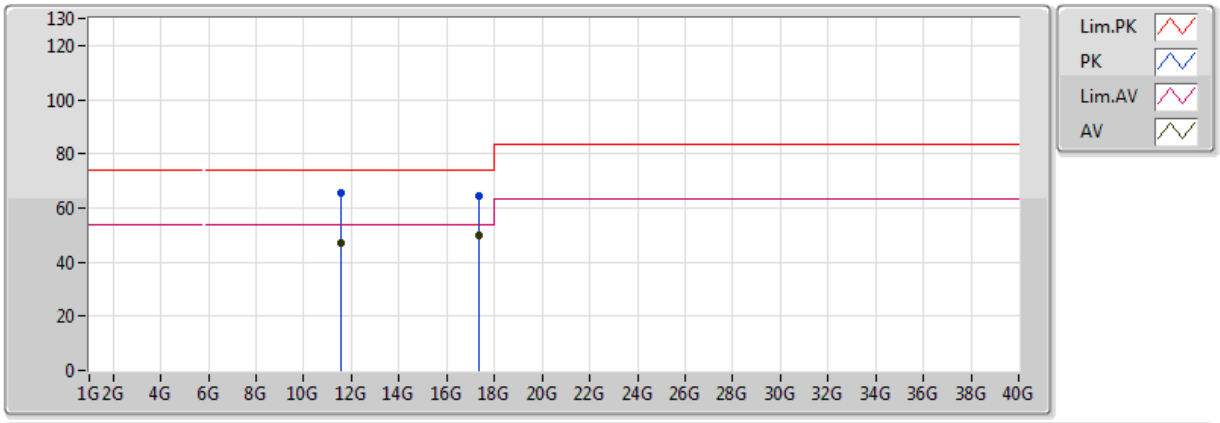


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7926G	106.46	Inf	-Inf	3.59	3	Horizontal	321	1.44	-	102.87	32.27	5.88	34.56
PK	5.6462G	57.70	68.20	-10.50	3.28	3	Horizontal	321	1.44	-	54.41	32.03	5.77	34.52
PK	5.7938G	116.18	Inf	-Inf	3.60	3	Horizontal	321	1.44	-	112.58	32.27	5.89	34.56
PK	5.9354G	57.90	68.20	-10.30	3.88	3	Horizontal	321	1.44	-	54.01	32.50	5.98	34.60

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

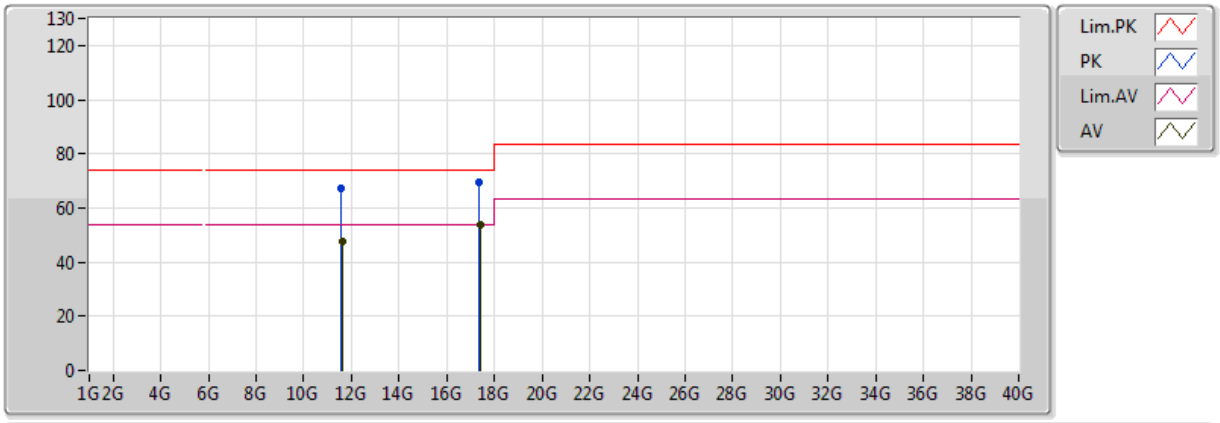


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.59G	46.99	54.00	-7.01	13.27	3	Vertical	17	3.16	-	33.72	39.57	8.38	34.68
AV	17.3696G	49.96	54.00	-4.04	19.16	3	Vertical	344	1.70	-	30.81	42.51	10.53	33.89
PK	11.5866G	65.31	74.00	-8.69	13.28	3	Vertical	17	3.16	-	52.03	39.58	8.38	34.68
PK	17.3822G	64.19	74.00	-9.81	19.24	3	Vertical	344	1.70	-	44.95	42.60	10.54	33.90

802.11ac VHT40_Nss1,(MCS0)_2TX

5795MHz_TX

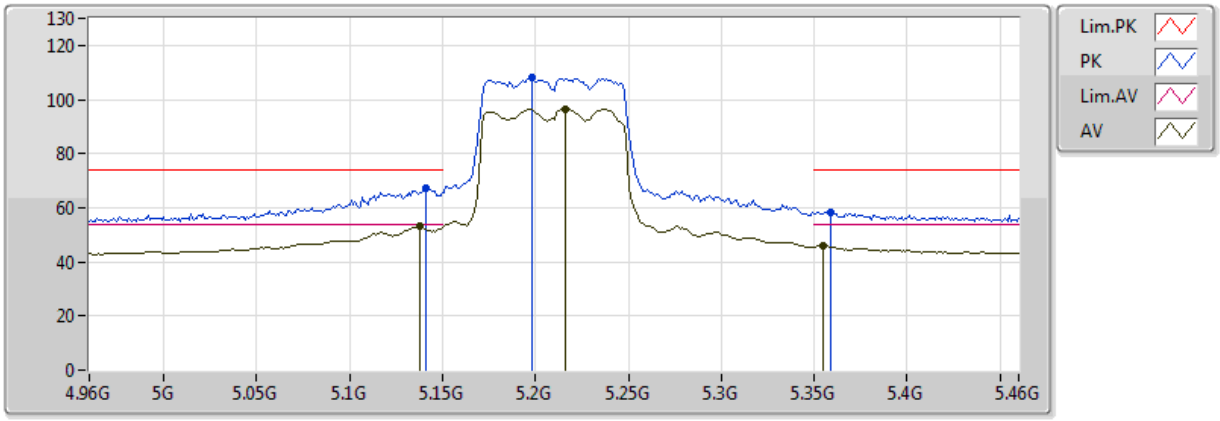


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.5982G	47.89	54.00	-6.11	13.26	3	Horizontal	354	2.08	-	34.63	39.56	8.38	34.68
AV	17.3878G	53.80	54.00	-0.20	19.28	3	Horizontal	308	1.64	-	34.52	42.64	10.54	33.90
PK	11.5912G	67.25	74.00	-6.75	13.27	3	Horizontal	354	2.08	-	53.98	39.57	8.38	34.68
PK	17.3662G	69.22	74.00	-4.78	19.13	3	Horizontal	308	1.64	-	50.08	42.49	10.53	33.89

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

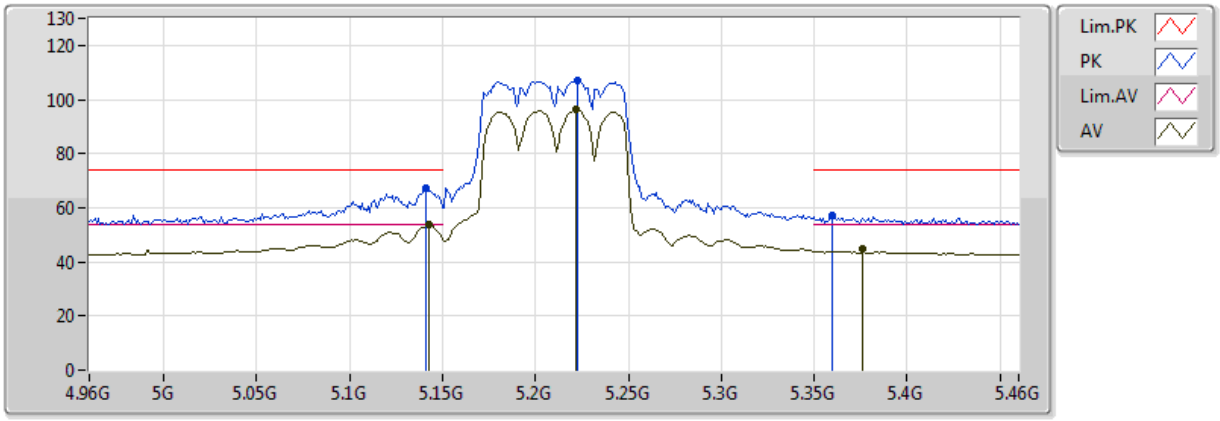


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.138G	53.35	54.00	-0.65	2.79	3	Vertical	341	1.62	-	50.56	31.66	5.62	34.48
AV	5.216G	96.59	Inf	-Inf	2.84	3	Vertical	341	1.62	-	93.76	31.69	5.63	34.48
AV	5.355G	45.83	54.00	-8.17	2.90	3	Vertical	341	1.62	-	42.93	31.74	5.65	34.49
PK	5.141G	67.33	74.00	-6.67	2.79	3	Vertical	341	1.62	-	64.53	31.66	5.62	34.48
PK	5.198G	108.13	Inf	-Inf	2.83	3	Vertical	341	1.62	-	105.30	31.68	5.63	34.48
PK	5.359G	58.42	74.00	-15.58	2.91	3	Vertical	341	1.62	-	55.52	31.74	5.65	34.49

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

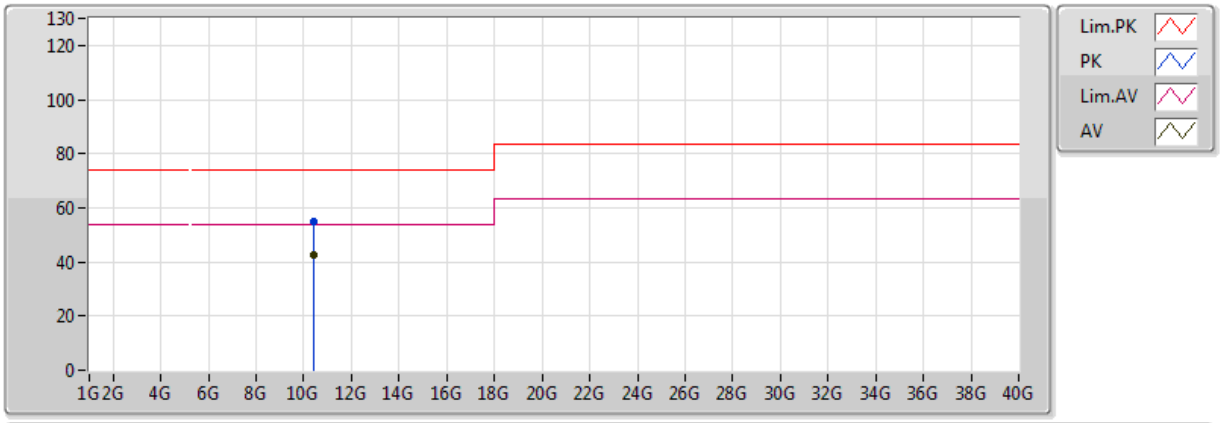


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.143G	53.59	54.00	-0.41	2.80	3	Horizontal	326	1.98	-	50.80	31.66	5.62	34.48
AV	5.222G	96.29	Inf	-Inf	2.84	3	Horizontal	326	1.98	-	93.45	31.69	5.63	34.48
AV	5.376G	44.79	54.00	-9.21	2.92	3	Horizontal	326	1.98	-	41.87	31.75	5.66	34.49
PK	5.141G	67.38	74.00	-6.62	2.79	3	Horizontal	326	1.98	-	64.59	31.66	5.62	34.48
PK	5.223G	107.24	Inf	-Inf	2.84	3	Horizontal	326	1.98	-	104.40	31.69	5.63	34.48
PK	5.36G	57.12	74.00	-16.88	2.91	3	Horizontal	326	1.98	-	54.21	31.74	5.65	34.49

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

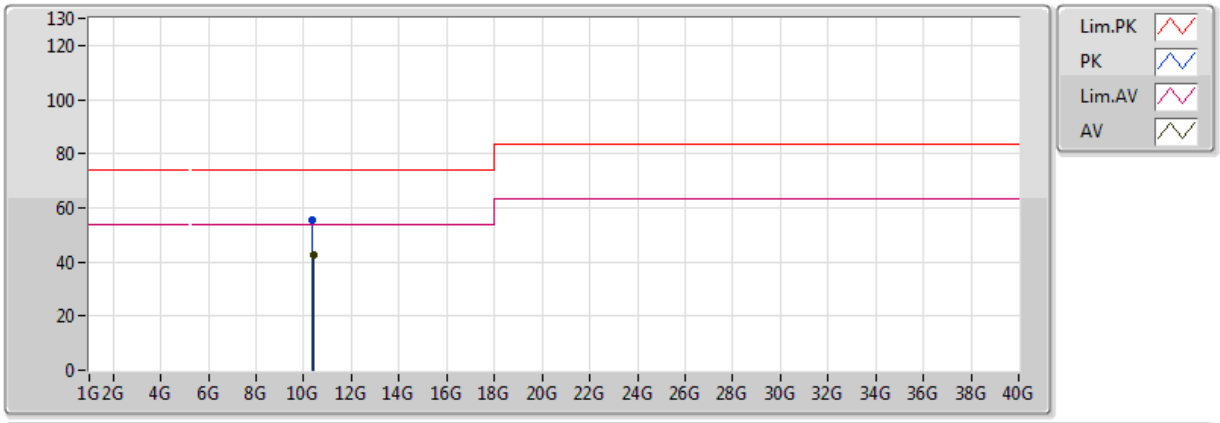


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.42G	42.41	54.00	-11.59	12.59	3	Vertical	350	1.22	-	29.82	39.59	7.96	34.96
PK	10.4122G	54.70	74.00	-19.30	12.57	3	Vertical	350	1.22	-	42.13	39.58	7.96	34.96

802.11ac VHT80_Nss1,(MCS0)_2TX

5210MHz_TX

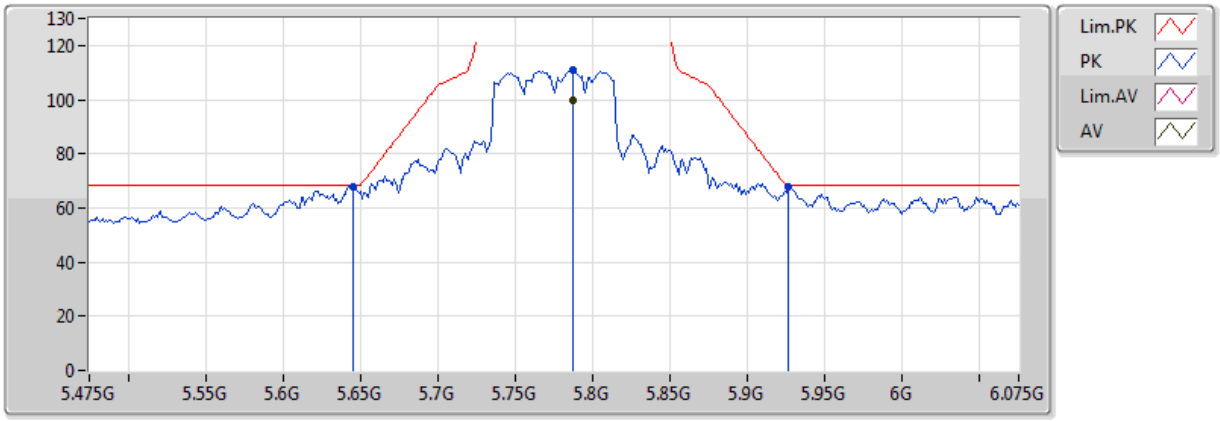


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	10.42G	42.45	54.00	-11.55	12.59	3	Horizontal	37	1.50	-	29.86	39.59	7.96	34.96
PK	10.3804G	55.30	74.00	-18.70	12.49	3	Horizontal	37	1.50	-	42.81	39.53	7.94	34.99

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

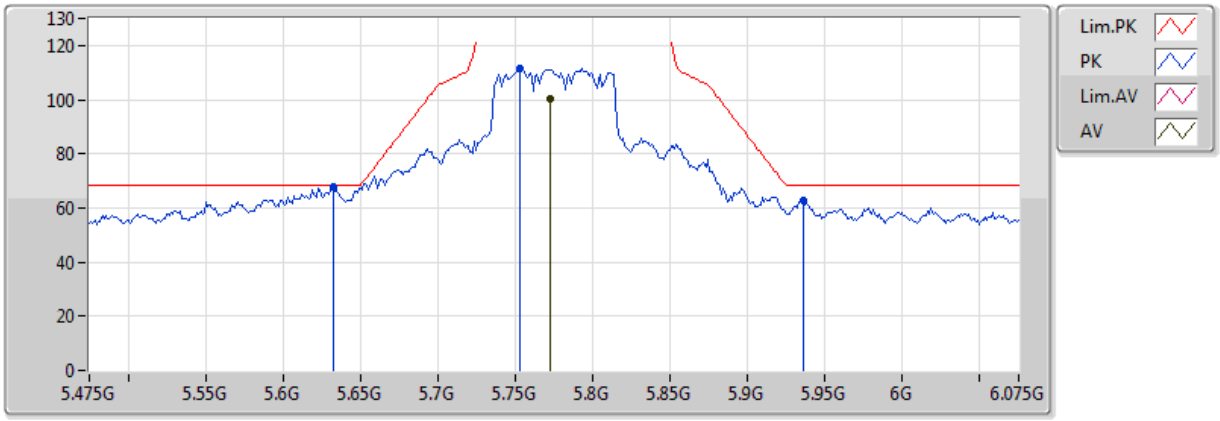


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.787G	100.02	Inf	-Inf	3.58	3	Vertical	331	1.67	-	96.44	32.26	5.88	34.56
PK	5.6454G	67.99	68.20	-0.21	3.28	3	Vertical	331	1.67	-	64.71	32.03	5.77	34.52
PK	5.787G	110.86	Inf	-Inf	3.58	3	Vertical	331	1.67	-	107.28	32.26	5.88	34.56
PK	5.9262G	67.62	68.20	-0.58	3.87	3	Vertical	331	1.67	-	63.76	32.48	5.98	34.60

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

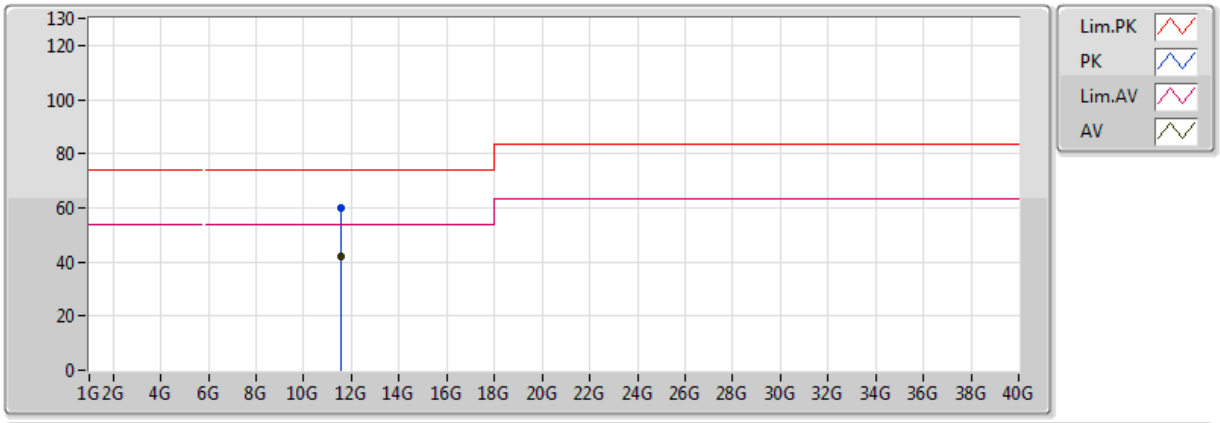


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7726G	100.44	Inf	-Inf	3.55	3	Horizontal	323	1.37	-	96.89	32.24	5.87	34.55
PK	5.6322G	67.59	68.20	-0.61	3.25	3	Horizontal	323	1.37	-	64.33	32.01	5.76	34.52
PK	5.7534G	111.41	Inf	-Inf	3.51	3	Horizontal	323	1.37	-	107.90	32.21	5.85	34.55
PK	5.9358G	62.55	68.20	-5.65	3.89	3	Horizontal	323	1.37	-	58.66	32.50	5.99	34.60

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX

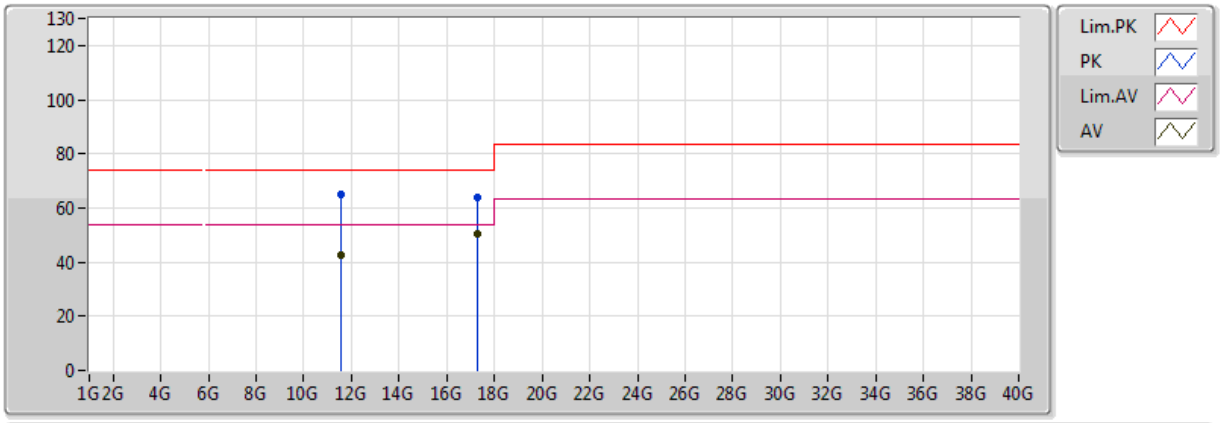


EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.55G	42.30	54.00	-11.70	13.33	3	Vertical	32	3.24	-	28.98	39.63	8.37	34.67
PK	11.5714G	59.83	74.00	-14.17	13.30	3	Vertical	32	3.24	-	46.53	39.60	8.37	34.68

802.11ac VHT80_Nss1,(MCS0)_2TX

5775MHz_TX



EUT= X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.562G	42.84	54.00	-11.16	13.31	3	Horizontal	38	1.50	-	29.53	39.61	8.37	34.67
AV	17.3014G	50.42	54.00	-3.58	18.69	3	Horizontal	22	1.41	-	31.73	42.05	10.50	33.86
PK	11.5794G	65.01	74.00	-8.99	13.29	3	Horizontal	38	1.50	-	51.72	39.59	8.38	34.68
PK	17.2936G	64.12	74.00	-9.88	18.64	3	Horizontal	22	1.41	-	45.48	42.00	10.50	33.85

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5.15-5.25GHz	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	5.2G	5.200086G	16.584	20	1	10 min

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
5200MHz_65°C	Pass	5.2G	5.199981G	3.605	20	1	0 min
5200MHz_65°C	Pass	5.2G	5.199981G	3.605	20	1	2 min
5200MHz_65°C	Pass	5.2G	5.199989G	2.163	20	1	5 min
5200MHz_65°C	Pass	5.2G	5.199978G	4.326	20	1	10 min
5200MHz_60°C	Pass	5.2G	5.199966G	6.49	20	1	0 min
5200MHz_60°C	Pass	5.2G	5.199961G	7.571	20	1	2 min
5200MHz_60°C	Pass	5.2G	5.199966G	6.49	20	1	5 min
5200MHz_60°C	Pass	5.2G	5.199966G	6.49	20	1	10 min
5200MHz_50°C	Pass	5.2G	5.199974G	5.047	20	1	0 min
5200MHz_50°C	Pass	5.2G	5.199966G	6.49	20	1	2 min
5200MHz_50°C	Pass	5.2G	5.199964G	6.85	20	1	5 min
5200MHz_50°C	Pass	5.2G	5.199953G	9.013	20	1	10 min
5200MHz_40°C	Pass	5.2G	5.199983G	3.245	20	1	0 min
5200MHz_40°C	Pass	5.2G	5.199983G	3.245	20	1	2 min
5200MHz_40°C	Pass	5.2G	5.199989G	2.163	20	1	5 min
5200MHz_40°C	Pass	5.2G	5.199987G	2.524	20	1	10 min
5200MHz_30°C	Pass	5.2G	5.2G	0	20	1	0 min
5200MHz_30°C	Pass	5.2G	5.200002G	0.361	20	1	2 min
5200MHz_30°C	Pass	5.2G	5.200002G	0.361	20	1	5 min
5200MHz_30°C	Pass	5.2G	5.199996G	0.721	20	1	10 min
5200MHz_20°C	Pass	5.2G	5.200064G	12.258	20	1	0 min
5200MHz_20°C	Pass	5.2G	5.20006G	11.537	20	1	2 min
5200MHz_20°C	Pass	5.2G	5.200058G	11.176	20	1	5 min
5200MHz_20°C	Pass	5.2G	5.200066G	12.619	20	1	10 min
5200MHz_10°C	Pass	5.2G	5.200077G	14.782	20	1	0 min
5200MHz_10°C	Pass	5.2G	5.200067G	12.979	20	1	2 min
5200MHz_10°C	Pass	5.2G	5.200077G	14.782	20	1	5 min
5200MHz_10°C	Pass	5.2G	5.200075G	14.421	20	1	10 min
5200MHz_0°C	Pass	5.2G	5.200077G	14.782	20	1	0 min
5200MHz_0°C	Pass	5.2G	5.200082G	15.863	20	1	2 min
5200MHz_0°C	Pass	5.2G	5.200081G	15.503	20	1	5 min
5200MHz_0°C	Pass	5.2G	5.200086G	16.584	20	1	10 min
5200MHz_-10°C	Pass	5.2G	5.200081G	15.503	20	1	0 min
5200MHz_-10°C	Pass	5.2G	5.200075G	14.421	20	1	2 min
5200MHz_-10°C	Pass	5.2G	5.200079G	15.142	20	1	5 min
5200MHz_-10°C	Pass	5.2G	5.200079G	15.142	20	1	10 min
5200MHz_-20°C	Pass	5.2G	5.200077G	14.782	20	1	0 min
5200MHz_-20°C	Pass	5.2G	5.200081G	15.503	20	1	2 min
5200MHz_-20°C	Pass	5.2G	5.200082G	15.863	20	1	5 min
5200MHz_-20°C	Pass	5.2G	5.200077G	14.782	20	1	10 min
5200MHz_138V	Pass	5.2G	5.200054G	10.455	20	1	0 min
5200MHz_138V	Pass	5.2G	5.200062G	11.898	20	1	2 min
5200MHz_138V	Pass	5.2G	5.200062G	11.898	20	1	5 min

Frequency Stability Result

Appendix F

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5200MHz_138V	Pass	5.2G	5.200064G	12.258	20	1	10 min
5200MHz_120V	Pass	5.2G	5.20006G	11.537	20	1	0 min
5200MHz_120V	Pass	5.2G	5.20006G	11.537	20	1	2 min
5200MHz_120V	Pass	5.2G	5.20006G	11.537	20	1	5 min
5200MHz_120V	Pass	5.2G	5.200058G	11.176	20	1	10 min
5200MHz_102V	Pass	5.2G	5.20006G	11.537	20	1	0 min
5200MHz_102V	Pass	5.2G	5.200066G	12.619	20	1	2 min
5200MHz_102V	Pass	5.2G	5.200069G	13.34	20	1	5 min
5200MHz_102V	Pass	5.2G	5.200062G	11.898	20	1	10 min