FCC Test Report

Equipment	:	**AC1350 Wireless Dual Band Router**
Brand Name	:	**TP-LINK**
Model No.	:	**Archer C60**
FCC ID	:	**TE7C60**
Standard	:	**47 CFR FCC Part 15.407**
Operating Band	:	**5150 MHz – 5250 MHz** **5725 MHz – 5850 MHz**
Applicant / Manufacturer	:	**TP-LINK TECHNOLOGIES CO., LTD.** **Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China**
Function	:	**☐ Outdoor; ☒ Indoor; ☐ Fixed P2P** **☐ Client**

The product sample received on Jun. 23, 2016 and completely tested on Mar. 07, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Phoenix Chen
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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PHOTOGRAPHS OF EUT v02

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

Revision History

Report No.	Version	Description	Issued Date
FR642212-05AN	Rev. 01	Initial issue of report	Mar. 10, 2017
FR642212-05AN	Rev. 02	Revise typo	Mar. 17, 2017

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	ac (VHT20)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	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	802.11ac VHT20-BF	20	2TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT80-BF	80	2TX

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

1.1.2 Antenna Information

Ant.	Port	Antenna Type	Gain (dBi)	
			U-NII-1	U-NII-3
1	1	Dipole	2.47	3.23
2	2	Dipole	2.58	3.36

1.1.3 EUT Information

Identify EUT				
Operational Condition				
EUT Power Type	From Power Adapter			
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
802.11ac VHT20-BF	0.945	0.246	1.784m	1k
802.11ac VHT40-BF	0.907	0.424	1.744m	1k
802.11ac VHT80-BF	0.786	1.046	1.629m	1k

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR642212-02AN

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

Modifications	Performance Checking
Add beamforming function	All

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 v01r03
- KDB 644545 D03 v01
- KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location							
☒	HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.			
		TEL	:	886-3-327-3456	FAX	:	886-3-327-0973
Test site Designation No. 553509 with FCC.							
☐	JHUBEI	ADD	:	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.			
		TEL	:	886-3-656-9065	FAX	:	886-3-656-9085
Test site Designation No. TW0006 with FCC.							

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Lisa	24.1°C / 62%	10/Jan/2017
Radiated	03CH09-HY	Terry	21.1°C / 60%	26/Dec/2016
AC Conduction	CO04-HY	Bear	19.3°C / 55%	07/Mar/2017

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TN,VN	TN	20°C
-	VN	120V

2.2 Test Channel Mode

Test Software	LAN TEST

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	18
5200MHz	18
5240MHz	22
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	15
5230MHz	18
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	14
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5745MHz	22
5785MHz	22
5825MHz	18
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5755MHz	22
5795MHz	22
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5775MHz	17

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	Adapter Mode

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

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

2.4 Accessories

Accessories				
AC Adapter	Brand Name	TP-LINK	Model Name	T120100-2B1
	Power Rating	I/P: 100 - 240Vac, 300mA, O/P: 12Vdc, 1000mA		
	Power Cord	1.5 meter, non-shielded cable, w/o ferrite core		

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

2.5 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5400	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	Notebook	DELL	5540-05	DoC
4	Adapter for NB	DELL	HA65NM130	DoC
5	Client	-	-	-
6	AC adapter for Client	TP-LINK	T120100-2B1	DoC

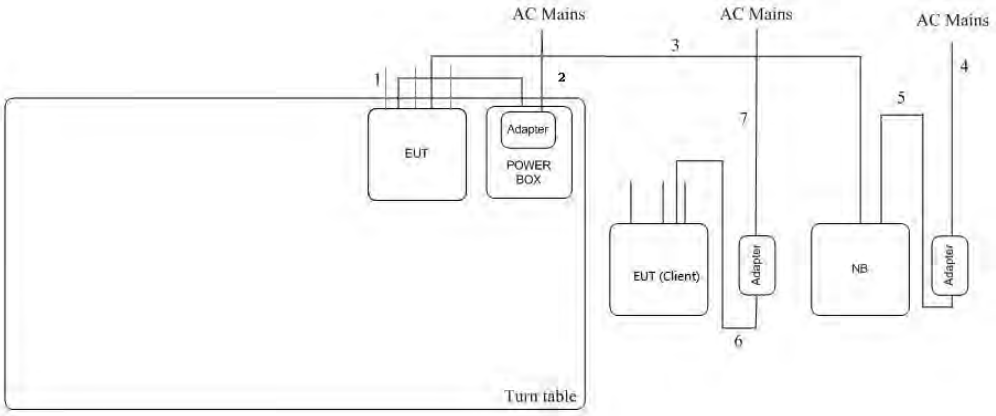
Note: Support equipment No.5 and No.6 were provided by customer.

Support Equipment – AC Conduction and Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5300	DoC
2	Adapter for NB	DELL	LA65NS2-01	DoC
3	Client	-	-	-
4	AC adapter for Client	TP-LINK	T120100-2B1	DoC

Note: Support equipment No.3 and No.4 were provided by customer.

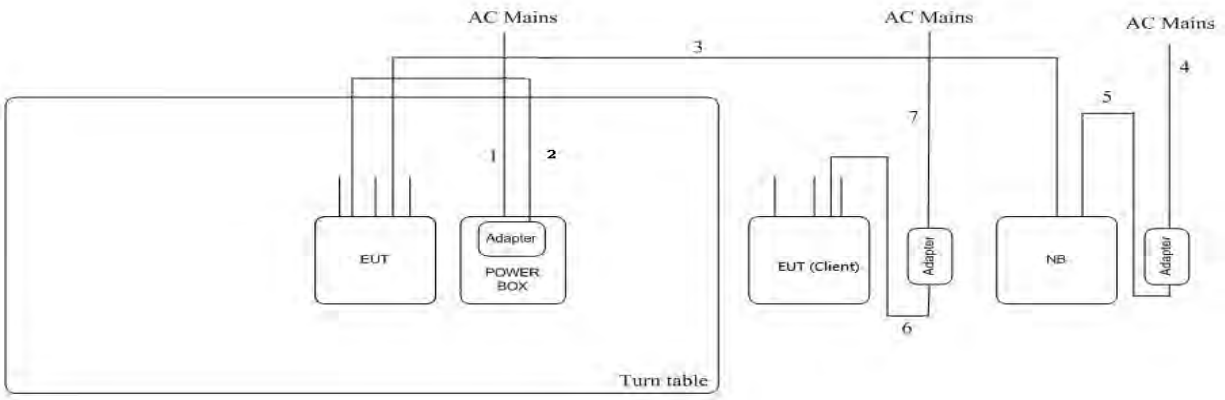
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8m
2	DC Power line	No	1.5m
3	RJ-45 cable	No	10m
4	AC Power line	No	1.8m
5	DC Power line	No	1.8m
6	DC Power line	No	1.5m
7	AC Power line	No	1.8m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8m
2	DC Power line	No	1.5m
3	RJ-45 cable	No	10m
4	AC Power line	No	1.8m
5	DC Power line	No	1.8m
6	DC Power line	No	1.5m
7	AC Power line	No	1.8m

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

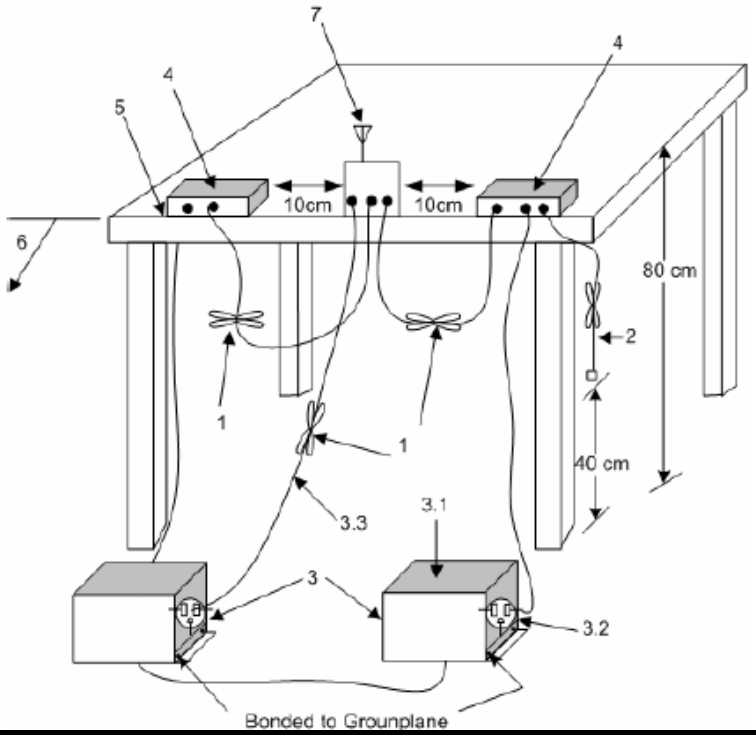
Refer a test equipment and calibration data table in this test report.

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.

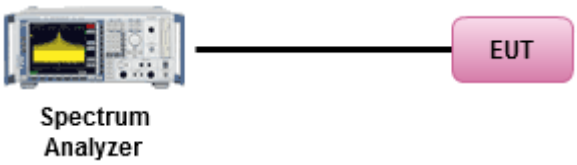
3.2.2 Measuring Instruments

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.	

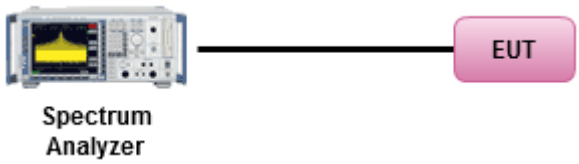
3.4.2 Measuring Instruments

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.

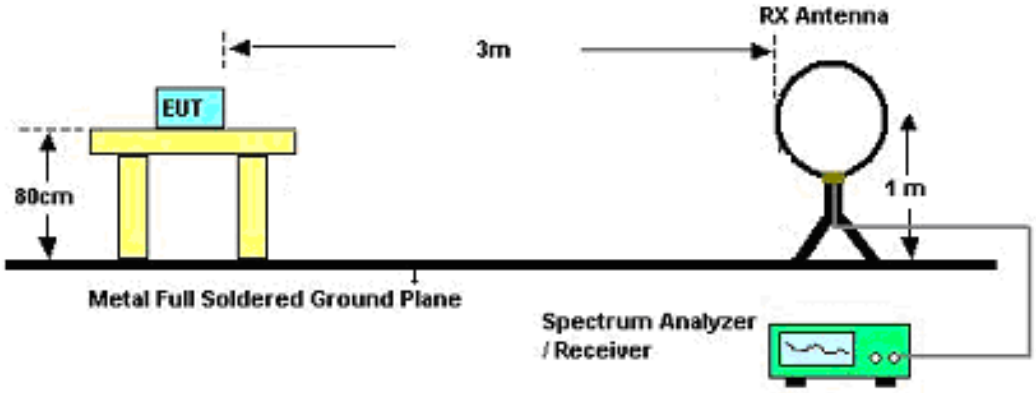
3.5.3 Test Procedures

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.		

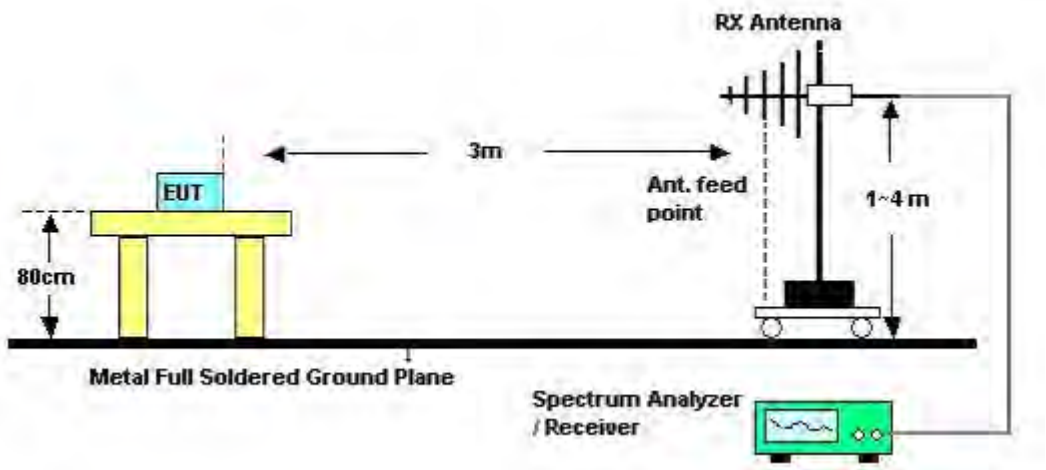
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

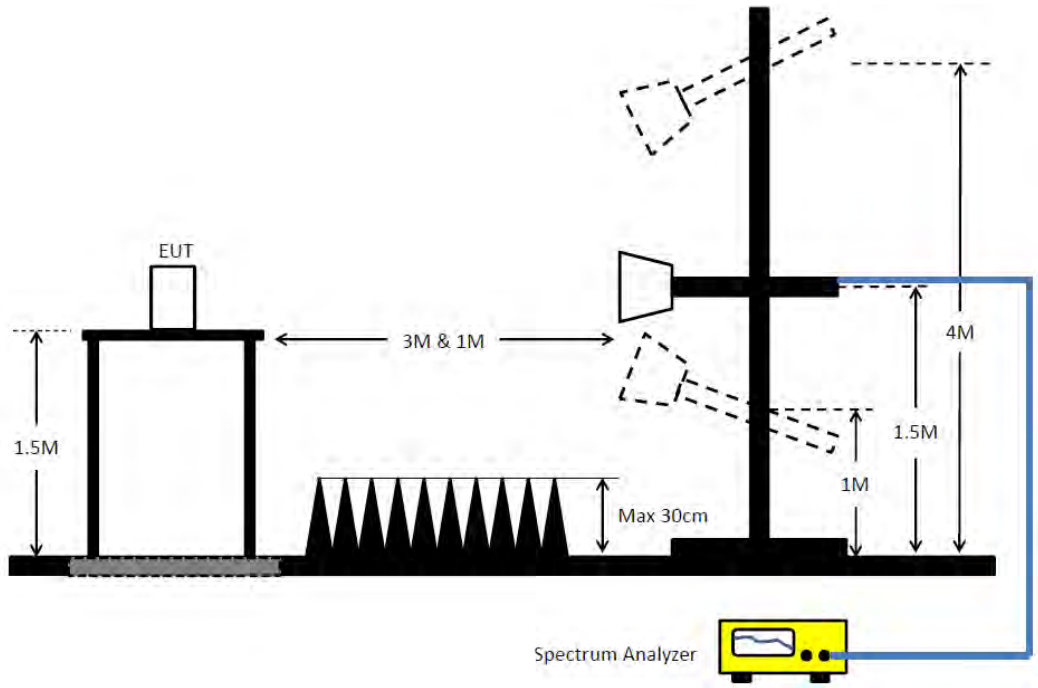
9kHz ~30MHz



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

3.5.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

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	102051	9kHz~3.6GHz	15/Apr/2016	14/Apr/2017
LISN	R&S	ENV216	101295	9kHz~30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz~30MHz	24/Oct/2016	23/Oct/2017

NCR : Non-Calibration Require

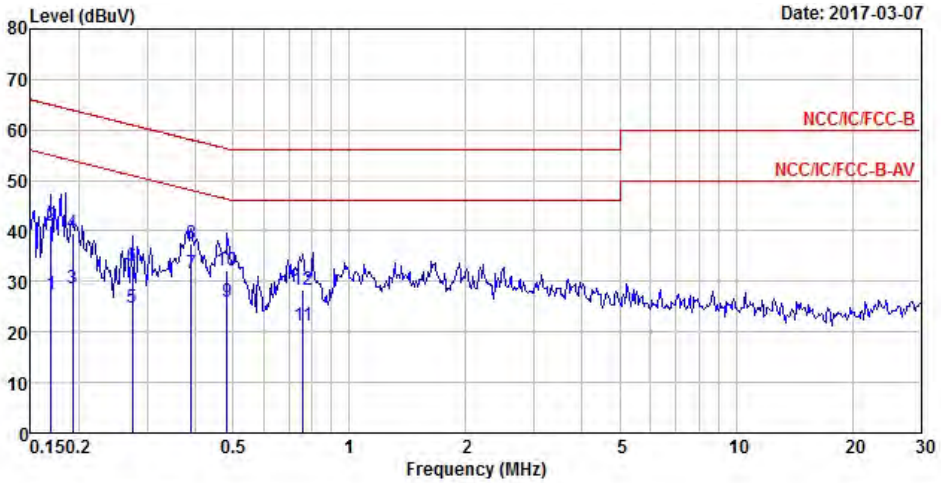
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz	25/Apr/2016	24/Apr/2017
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz	21/Jun/2016	20/Jun/2017
Amplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	11/Apr/2016	10/Apr/2017
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	29/Jan/2016	28/Jan/2017
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	04/Jul/2016	03/Jul/2017
Bilog Antenna	TESEQ	CBL 6111D	35418	30MHz~1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	22/Apr/2016	21/Apr/2017
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz~40GHz	04/Jan/2016	03/Jan/2017
Amplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz~40GHz	02/Jun/2015	01/Jun/2017
Loop Antenna	R&S	HFH2-Z2	100330	9kHz~30MHz	10/Nov/2016	09/Nov/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~1GHz	23/Jul/2016	22/Jul/2017
RF Cable-high	Jye Bao	RG142	03CH09-HY	1GHz~40GHz	23/Jul/2016	22/Jul/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	16/Feb/2016	15/Feb/2017
Power Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	22/Feb/2016	21/Feb/2017
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	22/Feb/2016	21/Feb/2017
Signal Generator	R&S	SMR40	100116	10MHz~40GHz	21/Jul/2016	20/Jul/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY679/3	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY680/3	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY23000/4	30MHz~26.5GHz	02/Oct/2016	01/Oct/2017

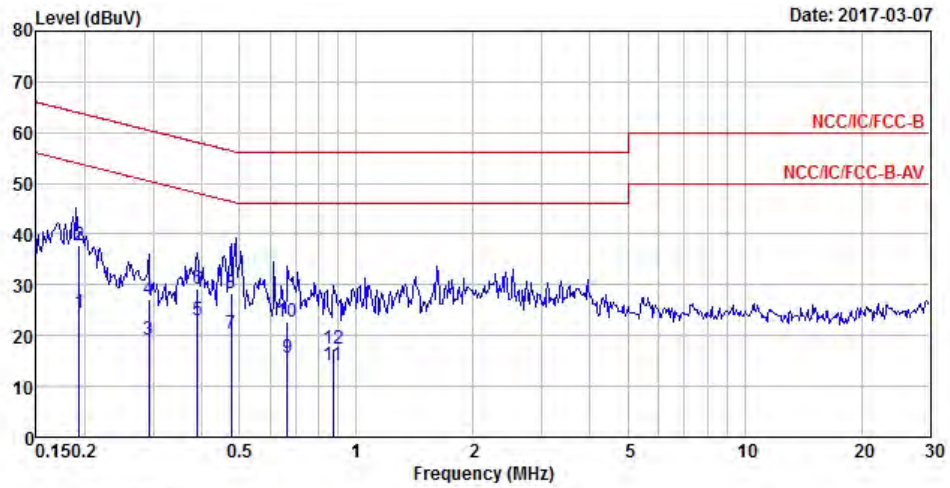
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	27.55	-27.44	54.99	17.67	9.63	0.25	Average
2	0.17	41.03	-23.96	64.99	31.15	9.63	0.25	QP
3	0.19	28.51	-25.41	53.92	18.56	9.66	0.29	Average
4	0.19	39.52	-24.40	63.92	29.57	9.66	0.29	QP
5	0.27	24.88	-26.10	50.98	15.02	9.65	0.21	Average
6	0.27	33.09	-27.89	60.98	23.23	9.65	0.21	QP
7 MAX	0.39	31.69	-16.39	48.08	21.95	9.63	0.11	Average
8	0.39	37.36	-20.72	58.08	27.62	9.63	0.11	QP
9	0.48	25.94	-20.33	46.27	16.22	9.62	0.10	Average
10	0.48	32.32	-23.95	56.27	22.60	9.62	0.10	QP
11	0.76	21.18	-24.82	46.00	11.48	9.60	0.10	Average
12	0.76	28.23	-27.77	56.00	18.53	9.60	0.10	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	Adapter Mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.19	24.38	-29.51	53.89	14.44	9.65	0.29	Average
2	0.19	37.74	-26.15	63.89	27.80	9.65	0.29	QP
3	0.29	19.28	-31.18	50.46	9.42	9.67	0.19	Average
4	0.29	27.27	-33.19	60.46	17.41	9.67	0.19	QP
5 MAX	0.39	23.05	-25.03	48.08	13.26	9.68	0.11	Average
6	0.39	29.30	-28.78	58.08	19.51	9.68	0.11	QP
7	0.48	20.31	-26.10	46.41	10.54	9.67	0.10	Average
8	0.48	28.20	-28.21	56.41	18.43	9.67	0.10	QP
9	0.66	15.71	-30.29	46.00	5.96	9.65	0.10	Average
10	0.66	22.58	-33.42	56.00	12.83	9.65	0.10	QP
11	0.87	14.10	-31.90	46.00	4.36	9.64	0.10	Average
12	0.87	17.46	-38.54	56.00	7.72	9.64	0.10	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)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	20.925M	17.666M	17M7D1D	20.7M	17.616M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	40M	36.032M	36M0D1D	39.2M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.15-5.25GHz	81.5M	75.762M	75M8D1D	81.3M	75.662M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.725-5.85GHz	17.55M	17.666M	17M7D1D	16.525M	17.616M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.725-5.85GHz	35.45M	36.182M	36M2D1D	33.8M	35.982M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-
5.725-5.85GHz	75.7M	75.862M	75M9D1D	75.7M	75.762M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth;

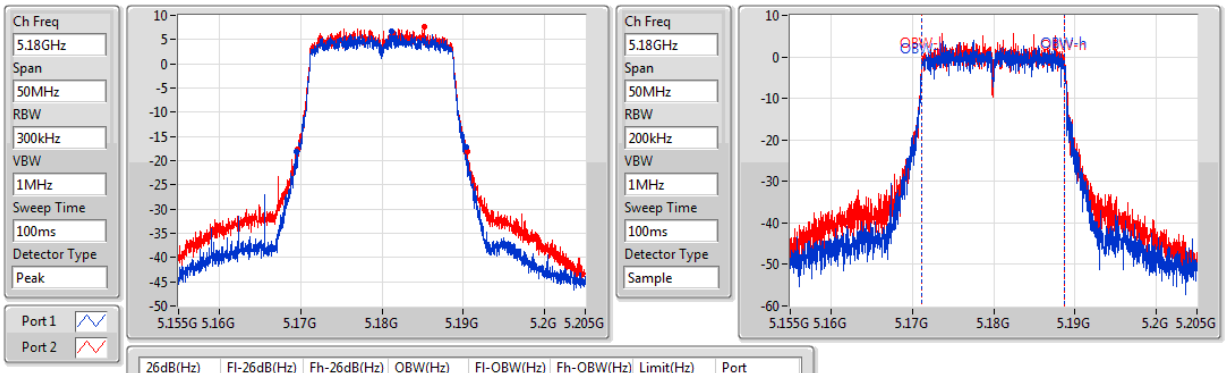
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.8M	17.616M	20.875M	17.616M
5200MHz	Pass	Inf	20.7M	17.616M	20.775M	17.666M
5240MHz	Pass	Inf	20.925M	17.616M	20.825M	17.641M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.7M	35.982M	40M	35.982M
5230MHz	Pass	Inf	39.75M	35.982M	39.2M	36.032M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.3M	75.662M	81.5M	75.762M
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5745MHz	Pass	500k	17.55M	17.616M	17.125M	17.641M
5785MHz	Pass	500k	17.225M	17.666M	16.525M	17.641M
5825MHz	Pass	500k	17.35M	17.616M	17.225M	17.641M
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5755MHz	Pass	500k	35.45M	36.032M	35.05M	35.982M
5795MHz	Pass	500k	33.8M	36.182M	35M	36.182M
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5775MHz	Pass	500k	75.7M	75.762M	75.7M	75.862M

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

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

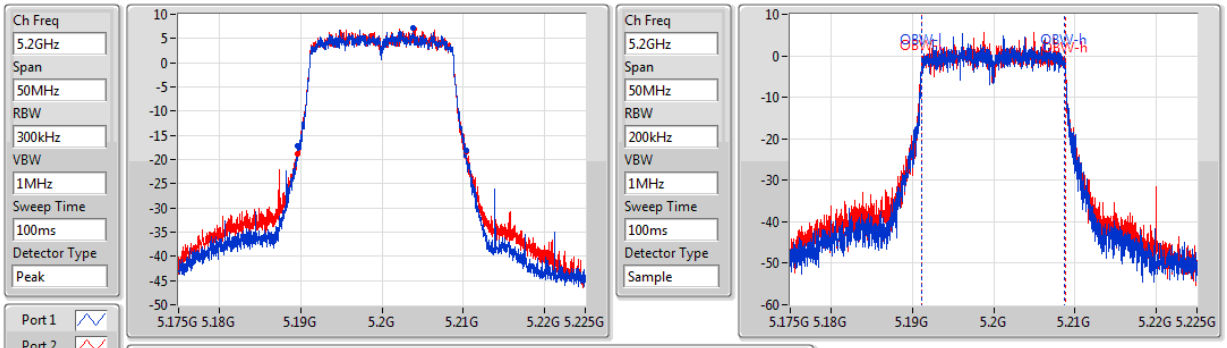
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.8M	5.169525G	5.190325G	17.616M	5.171154G	5.188771G	Inf	1
20.875M	5.169575G	5.19045G	17.616M	5.171154G	5.188771G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

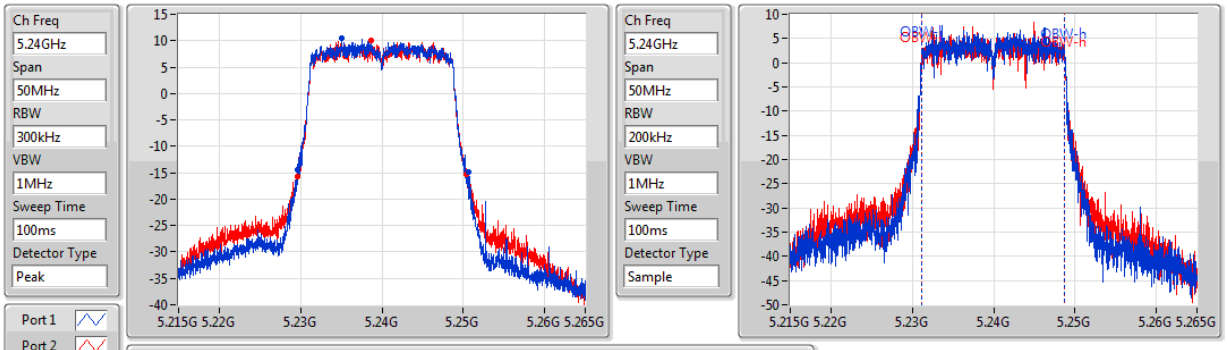
5200MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.18965G	5.21035G	17.616M	5.191154G	5.208771G	Inf	1
20.775M	5.189575G	5.21035G	17.666M	5.191129G	5.208796G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

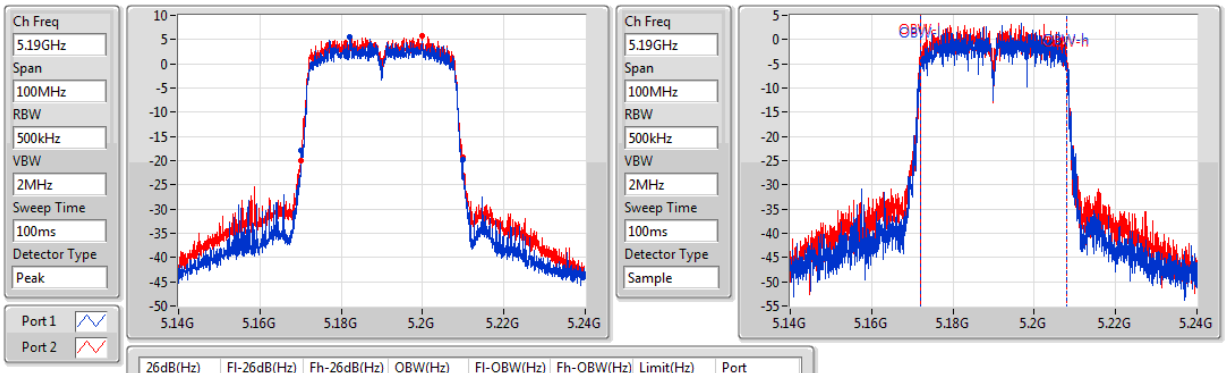
5240MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.925M	5.229675G	5.2506G	17.616M	5.231154G	5.248771G	Inf	1
20.825M	5.229575G	5.2504G	17.641M	5.231129G	5.248771G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **EBW**

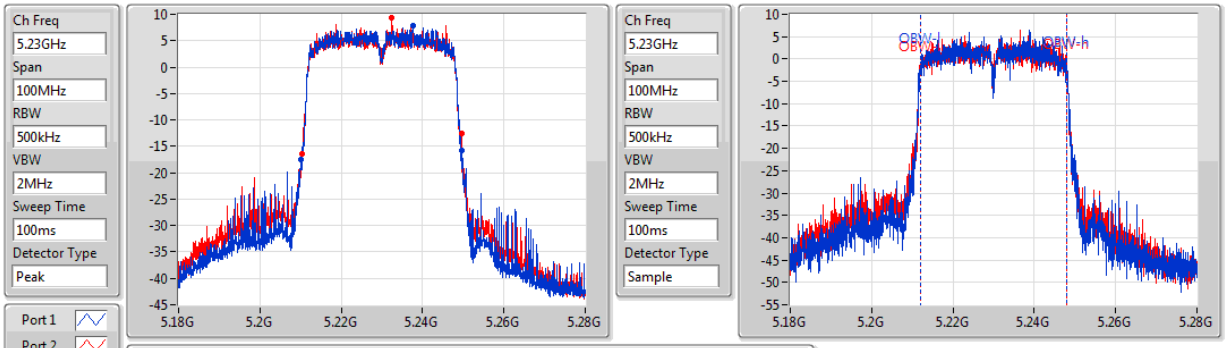
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.7M	5.1701G	5.2098G	35.982M	5.172009G	5.207991G	Inf	1
40M	5.16995G	5.20995G	35.982M	5.171959G	5.207941G	Inf	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX **EBW**

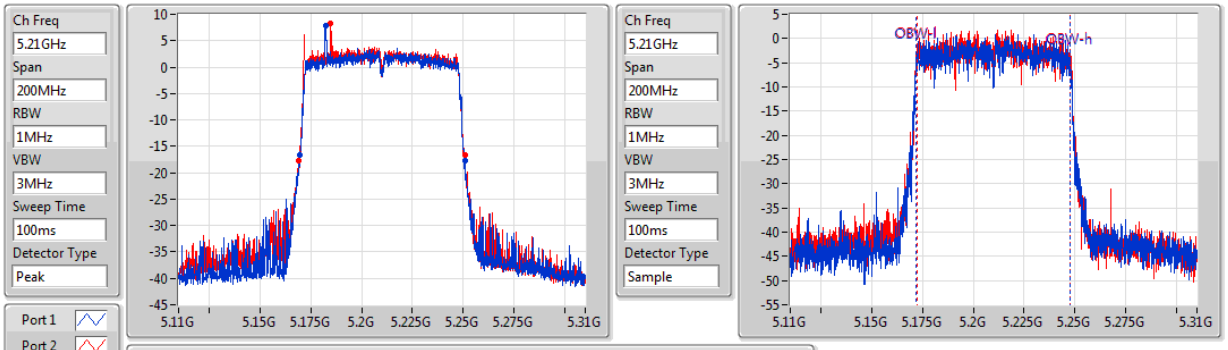
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.75M	5.21G	5.24975G	35.982M	5.211959G	5.247941G	Inf	1
39.2M	5.21045G	5.24965G	36.032M	5.211909G	5.247941G	Inf	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX **EBW**

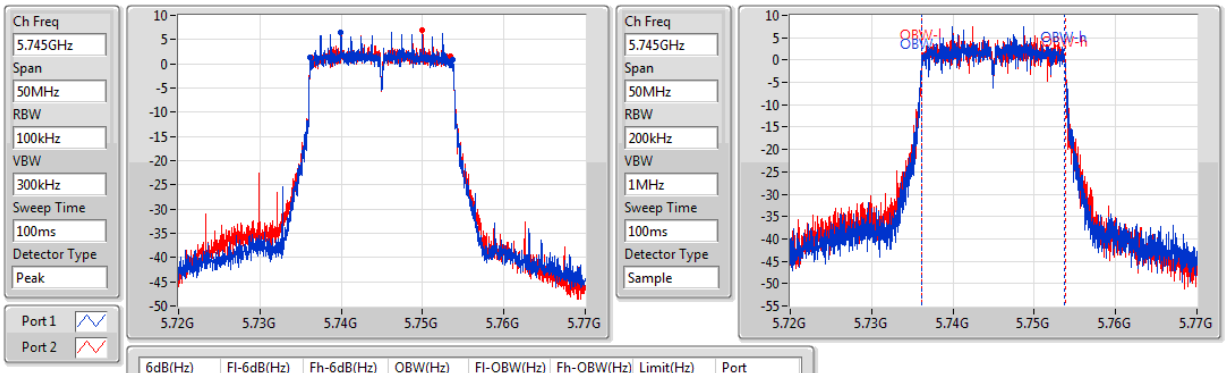
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.3M	5.1697G	5.251G	75.662M	5.172019G	5.247681G	Inf	1
81.5M	5.1692G	5.2507G	75.762M	5.172119G	5.247881G	Inf	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

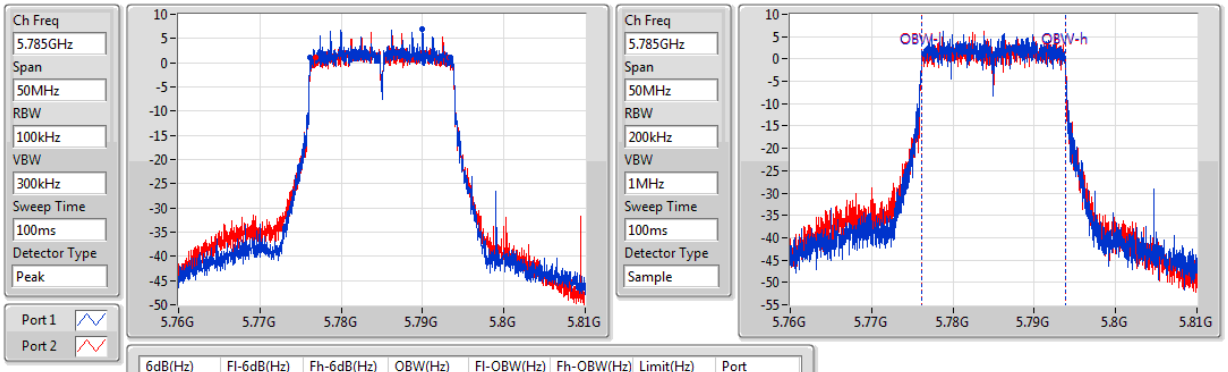
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	5.7362G	5.75375G	17.616M	5.736154G	5.753771G	500k	1
17.125M	5.73635G	5.753475G	17.641M	5.736154G	5.753796G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

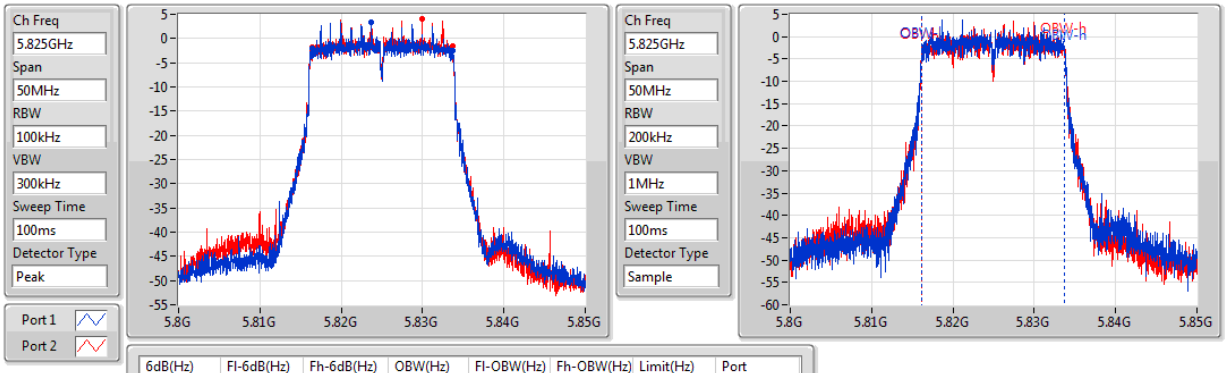
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.225M	5.776225G	5.79345G	17.666M	5.776129G	5.793796G	500k	1
16.525M	5.7768G	5.793325G	17.641M	5.776154G	5.793796G	500k	2

802.11ac VHT20-BF_Nss1,(MCS0)_2TX EBW

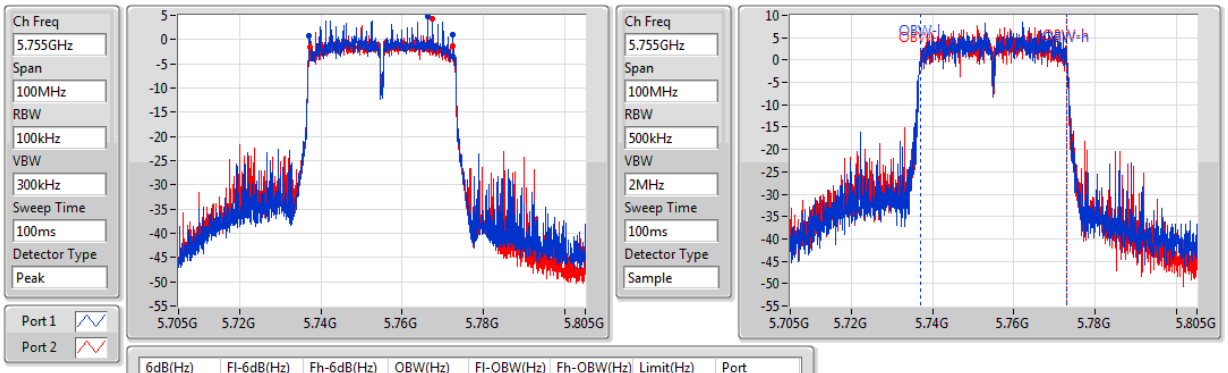
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.35M	5.816375G	5.833725G	17.616M	5.816154G	5.833771G	500k	1
17.225M	5.8165G	5.833725G	17.641M	5.816129G	5.833771G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

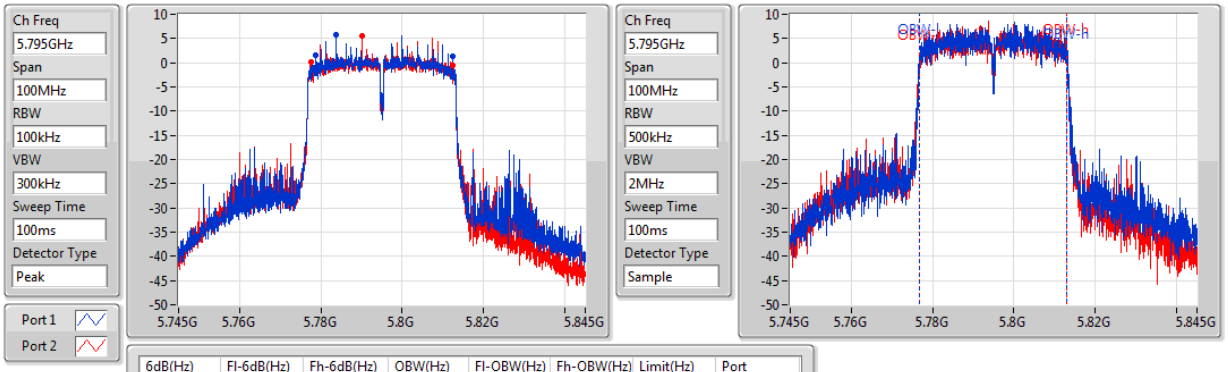
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	5.73705G	5.7725G	36.032M	5.736959G	5.772991G	500k	1
35.05M	5.73745G	5.7725G	35.982M	5.736959G	5.772941G	500k	2

802.11ac VHT40-BF_Nss1,(MCS0)_2TX EBW

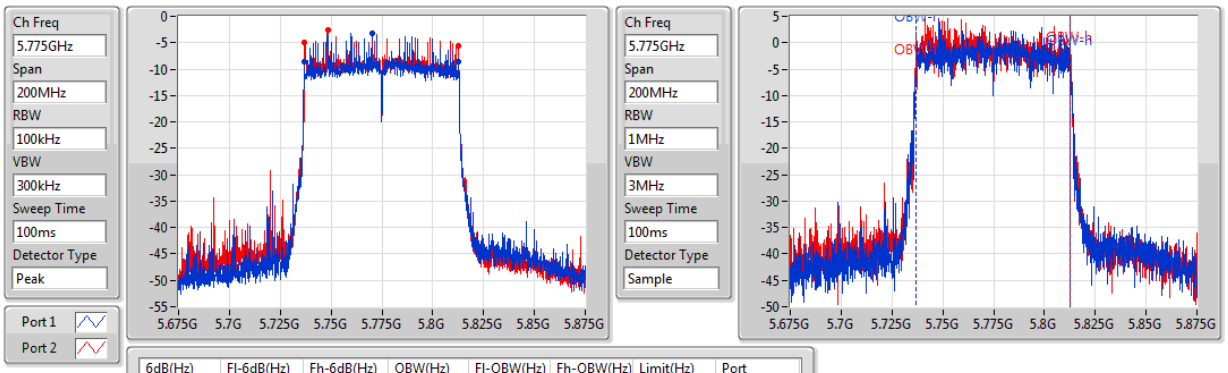
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.8M	5.77865G	5.81245G	36.182M	5.776859G	5.813041G	500k	1
35M	5.7775G	5.8125G	36.182M	5.776809G	5.812991G	500k	2

802.11ac VHT80-BF_Nss1,(MCS0)_2TX EBW

5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.7M	5.7367G	5.8124G	75.762M	5.736919G	5.812681G	500k	1
75.7M	5.7368G	5.8125G	75.862M	5.737019G	5.812881G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	21.56	0.14322	27.09	0.51168
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	18.21	0.06622	23.74	0.23659
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.15-5.25GHz	14.76	0.02992	20.29	0.10691
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.725-5.85GHz	20.70	0.11749	27.00	0.50119
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.725-5.85GHz	20.89	0.12274	27.20	0.52481
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-
5.725-5.85GHz	15.40	0.03467	21.71	0.14825

Result

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Port 1 (dBm)	Port 2 (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.54	17.93	30.00	23.47	36.00	14.78	15.06
5200MHz	Pass	5.54	18.11	30.00	23.65	36.00	15.12	15.09
5240MHz	Pass	5.54	21.56	30.00	27.09	36.00	18.41	18.68
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.54	16.02	30.00	21.55	36.00	12.49	13.47
5230MHz	Pass	5.54	18.21	30.00	23.74	36.00	15.18	15.22
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.54	14.76	30.00	20.29	36.00	11.38	12.09
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	6.31	20.38	29.69	26.68	36.00	17.12	17.60
5785MHz	Pass	6.31	20.70	29.69	27.00	36.00	17.82	17.55
5825MHz	Pass	6.31	17.19	29.69	23.49	36.00	14.00	14.34
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	6.31	20.48	29.69	26.78	36.00	17.53	17.40
5795MHz	Pass	6.31	20.89	29.69	27.20	36.00	17.93	17.84
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	6.31	15.40	29.69	21.71	36.00	12.14	12.63

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	8.47	14.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	2.72	8.26
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-
5.15-5.25GHz	-3.57	1.97
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-
5.725-5.85GHz	5.99	12.29
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-
5.725-5.85GHz	4.08	10.39
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-
5.725-5.85GHz	-3.55	2.76

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

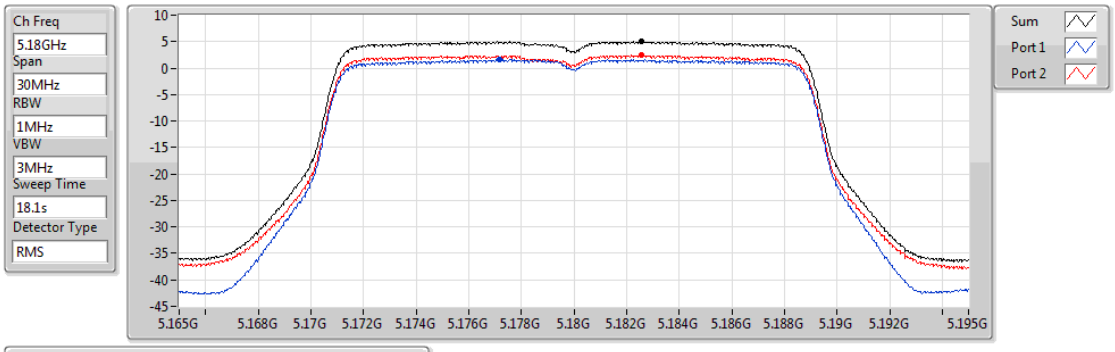
Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.54	5.01	17.00	10.54	Inf	1.65	2.44
5200MHz	Pass	5.54	4.95	17.00	10.49	Inf	1.97	1.97
5240MHz	Pass	5.54	8.47	17.00	14.00	Inf	5.45	5.71
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.54	0.13	17.00	5.67	Inf	-3.33	-2.29
5230MHz	Pass	5.54	2.72	17.00	8.26	Inf	-0.40	0.02
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.54	-3.57	17.00	1.97	Inf	-7.14	-5.98
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5745MHz	Pass	6.31	5.83	29.69	12.14	Inf	2.47	3.29
5785MHz	Pass	6.31	5.99	29.69	12.29	Inf	3.38	2.88
5825MHz	Pass	6.31	2.37	29.69	8.67	Inf	-0.68	-0.39
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5755MHz	Pass	6.31	3.51	29.69	9.81	Inf	0.71	0.75
5795MHz	Pass	6.31	4.08	29.69	10.39	Inf	1.29	1.13
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5775MHz	Pass	6.31	-3.55	29.69	2.76	Inf	-6.09	-5.51

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 X power density;

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

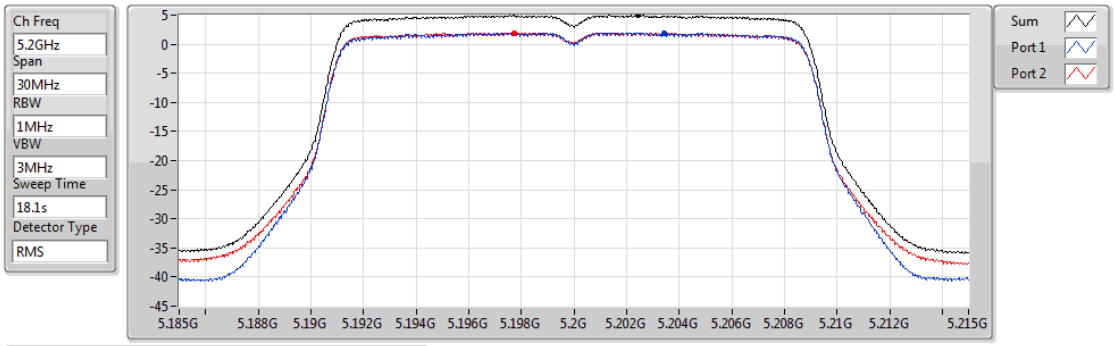
5180MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.01	5.01	1.65	2.44

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

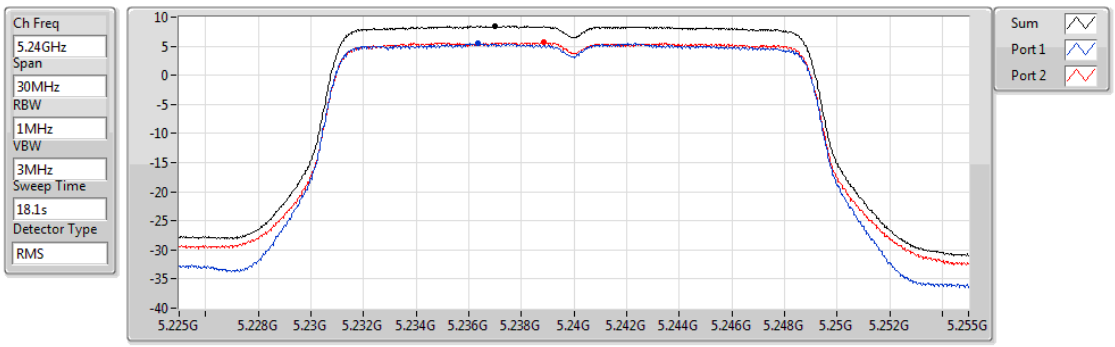
5200MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.95	4.95	1.97	1.97

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

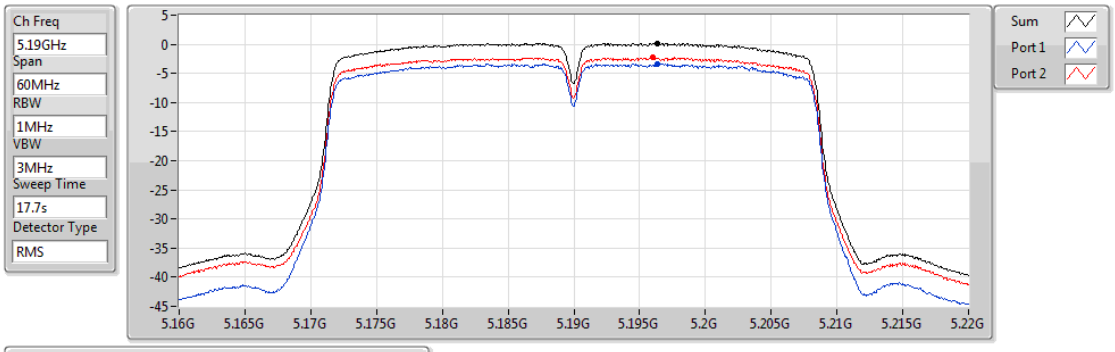
5240MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.47	8.47	5.45	5.71

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

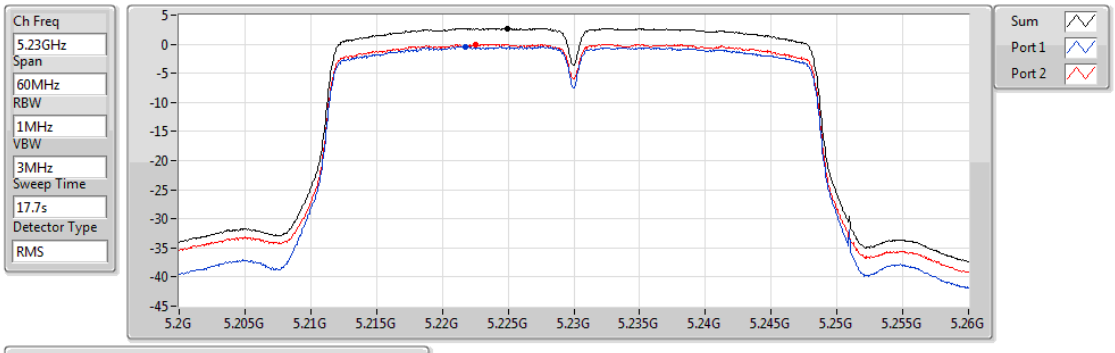
5190MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.13	0.13	-3.33	-2.29

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

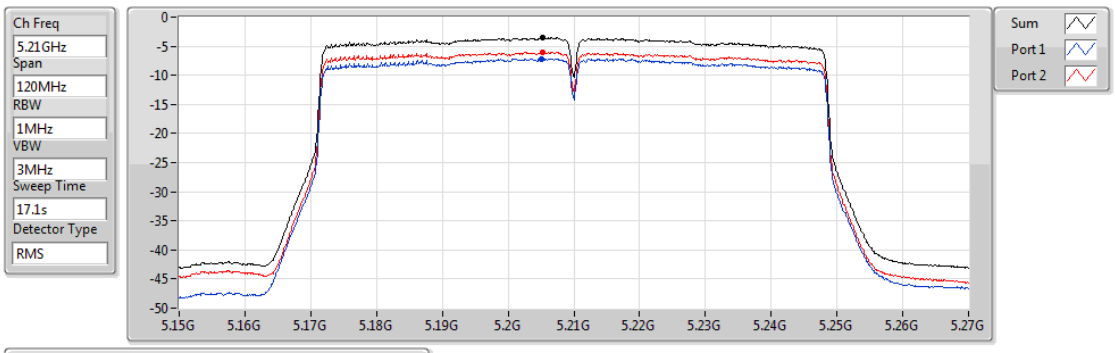
5230MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.72	2.72	-0.40	0.02

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

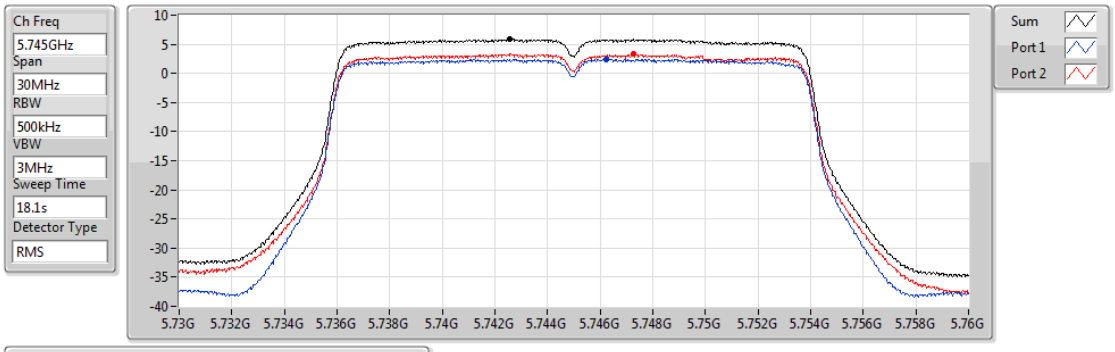
5210MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.57	-3.57	-7.14	-5.98

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

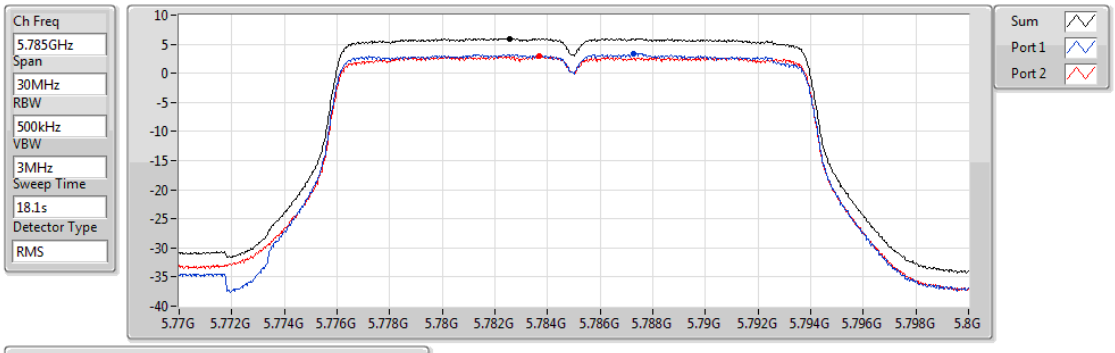
5745MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.83	5.83	2.47	3.29

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

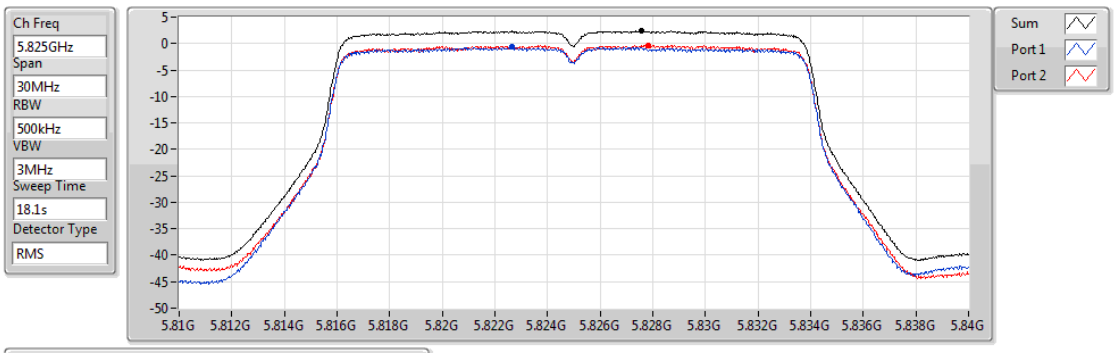
5785MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.99	5.99	3.38	2.88

802.11ac VHT20-BF_Nss1,(MCS0)_2TX PSD

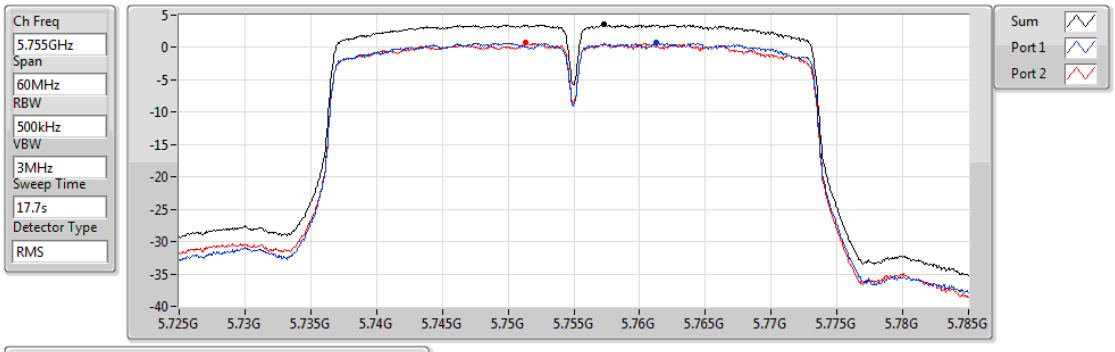
5825MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.37	2.37	-0.68	-0.39

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

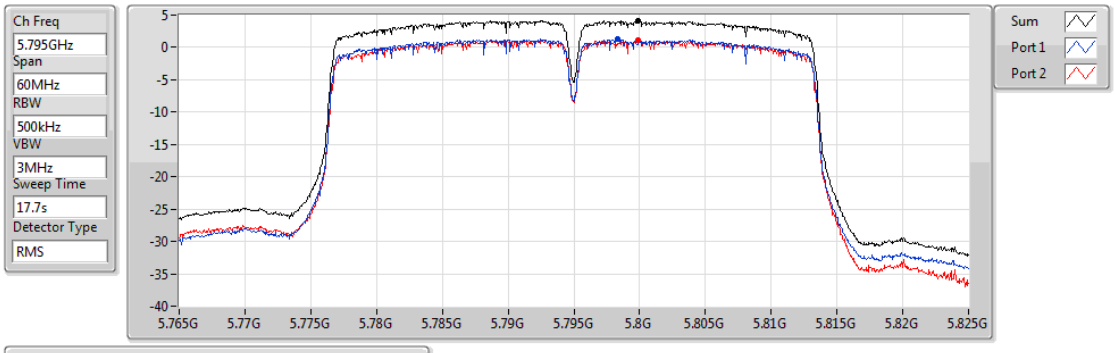
5755MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.51	3.51	0.71	0.75

802.11ac VHT40-BF_Nss1,(MCS0)_2TX PSD

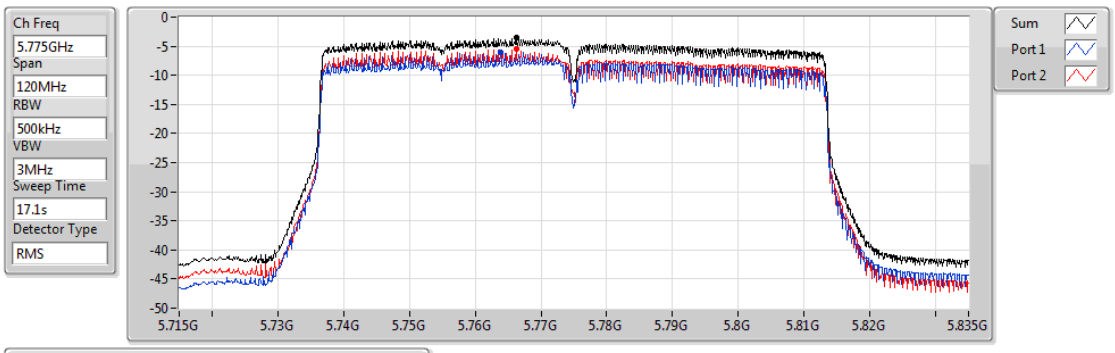
5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.08	4.08	1.29	1.13

802.11ac VHT80-BF_Nss1,(MCS0)_2TX PSD

5775MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.55	-3.55	-6.09	-5.51

Summary

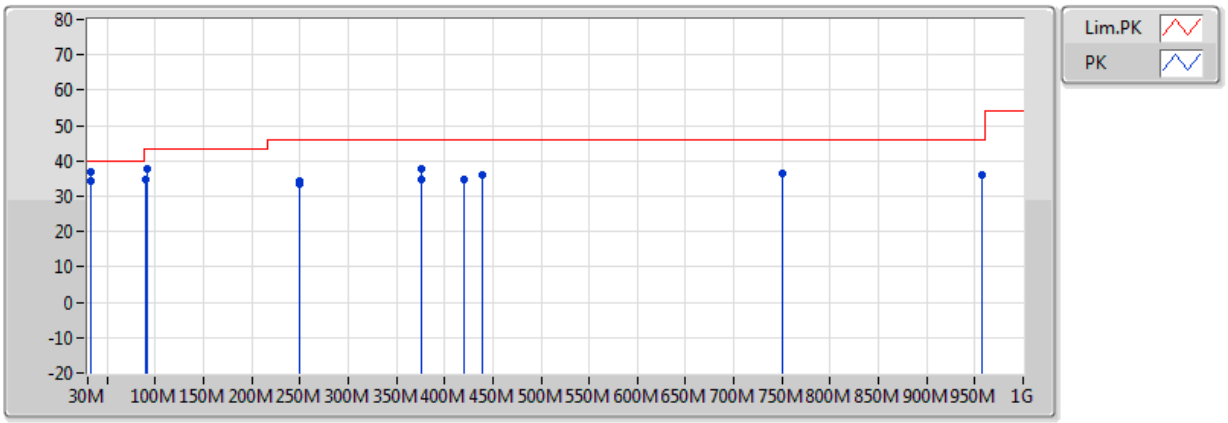
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	QP	33.88M	36.88	40.00	-3.12	-16.12	3	V	NaN	NaN	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	90.14M	34.81	43.50	-8.69	-22.66	3	H	NaN	NaN	-
5775MHz	Pass	PK	249.22M	34.20	46.00	-11.80	-18.15	3	H	NaN	NaN	-
5775MHz	Pass	PK	375.32M	37.65	46.00	-8.35	-15.55	3	H	NaN	NaN	-
5775MHz	Pass	PK	419.94M	34.54	46.00	-11.46	-13.97	3	H	NaN	NaN	-
5775MHz	Pass	PK	749.74M	36.42	46.00	-9.58	-9.15	3	H	NaN	NaN	-
5775MHz	Pass	QP	33.88M	34.42	40.00	-5.58	-16.12	3	H	NaN	NaN	-
5775MHz	Pass	PK	92.08M	37.79	43.50	-5.71	-22.39	3	V	NaN	NaN	-
5775MHz	Pass	PK	249.22M	33.24	46.00	-12.76	-18.15	3	V	NaN	NaN	-
5775MHz	Pass	PK	375.32M	34.87	46.00	-11.13	-15.55	3	V	NaN	NaN	-
5775MHz	Pass	PK	439.34M	35.85	46.00	-10.15	-13.70	3	V	NaN	NaN	-
5775MHz	Pass	PK	957.32M	36.11	46.00	-9.89	-5.92	3	V	NaN	NaN	-
5775MHz	Pass	QP	33.88M	36.88	40.00	-3.12	-16.12	3	V	NaN	NaN	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_AC Adapter



ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	90.14M	34.81	43.50	-8.69	-22.66	3	H	NaN	NaN	-
PK	249.22M	34.20	46.00	-11.80	-18.15	3	H	NaN	NaN	-
PK	375.32M	37.65	46.00	-8.35	-15.55	3	H	NaN	NaN	-
PK	419.94M	34.54	46.00	-11.46	-13.97	3	H	NaN	NaN	-
PK	749.74M	36.42	46.00	-9.58	-9.15	3	H	NaN	NaN	-
QP	33.88M	34.42	40.00	-5.58	-16.12	3	H	NaN	NaN	-
PK	92.08M	37.79	43.50	-5.71	-22.39	3	V	NaN	NaN	-
PK	249.22M	33.24	46.00	-12.76	-18.15	3	V	NaN	NaN	-
PK	375.32M	34.87	46.00	-11.13	-15.55	3	V	NaN	NaN	-
PK	439.34M	35.85	46.00	-10.15	-13.70	3	V	NaN	NaN	-
PK	957.32M	36.11	46.00	-9.89	-5.92	3	V	NaN	NaN	-
QP	33.88M	36.88	40.00	-3.12	-16.12	3	V	NaN	NaN	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.148G	52.86	54.00	-1.14	2.71	3	V	NaN	NaN	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	7.713G	53.79	54.00	-0.21	9.14	3	V	NaN	NaN	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1486G	52.77	54.00	-1.23	2.71	3	V	NaN	NaN	-
5180MHz	Pass	AV	5.1852G	106.05	Inf	-Inf	2.77	3	V	NaN	NaN	-
5180MHz	Pass	PK	5.147G	71.68	74.00	-2.32	2.70	3	V	NaN	NaN	-
5180MHz	Pass	PK	5.1826G	117.49	Inf	-Inf	2.77	3	V	NaN	NaN	-
5180MHz	Pass	AV	8.448G	39.62	54.00	-14.38	9.42	3	H	NaN	NaN	-
5180MHz	Pass	AV	15.54G	43.77	54.00	-10.23	14.77	3	H	NaN	NaN	-
5180MHz	Pass	PK	8.448G	51.92	74.00	-22.08	9.42	3	H	NaN	NaN	-
5180MHz	Pass	PK	10.36G	55.64	68.20	-12.56	13.04	3	H	NaN	NaN	-
5180MHz	Pass	PK	15.54G	56.57	74.00	-17.43	14.77	3	H	NaN	NaN	-
5180MHz	Pass	AV	8.408G	40.24	54.00	-13.76	9.44	3	V	NaN	NaN	-
5180MHz	Pass	AV	15.54G	45.77	54.00	-8.23	14.77	3	V	NaN	NaN	-
5180MHz	Pass	PK	8.408G	52.56	74.00	-21.44	9.44	3	V	NaN	NaN	-
5180MHz	Pass	PK	10.36G	59.41	68.20	-8.79	13.04	3	V	NaN	NaN	-
5180MHz	Pass	PK	15.54G	59.87	74.00	-14.13	14.77	3	V	NaN	NaN	-
5200MHz	Pass	AV	5.1456G	47.69	54.00	-6.31	2.70	3	V	NaN	NaN	-
5200MHz	Pass	AV	5.2068G	105.19	Inf	-Inf	2.81	3	V	NaN	NaN	-
5200MHz	Pass	AV	5.3598G	46.18	54.00	-7.82	3.06	3	V	NaN	NaN	-
5200MHz	Pass	PK	5.1474G	59.31	74.00	-14.69	2.71	3	V	NaN	NaN	-
5200MHz	Pass	PK	5.199G	115.72	Inf	-Inf	2.80	3	V	NaN	NaN	-
5200MHz	Pass	PK	5.3934G	57.23	74.00	-16.77	3.12	3	V	NaN	NaN	-
5200MHz	Pass	AV	15.6G	44.49	54.00	-9.51	14.49	3	H	NaN	NaN	-
5200MHz	Pass	PK	8.808G	52.34	68.20	-15.86	9.74	3	H	NaN	NaN	-
5200MHz	Pass	PK	10.4G	55.59	68.20	-12.61	13.14	3	H	NaN	NaN	-
5200MHz	Pass	PK	15.6G	58.49	74.00	-15.51	14.49	3	H	NaN	NaN	-
5200MHz	Pass	AV	15.6G	52.19	54.00	-1.81	14.49	3	V	NaN	NaN	-
5200MHz	Pass	PK	7.988G	51.95	68.20	-16.25	9.53	3	V	NaN	NaN	-
5200MHz	Pass	PK	10.4G	58.84	68.20	-9.36	13.14	3	V	NaN	NaN	-
5200MHz	Pass	PK	15.6G	65.64	74.00	-8.36	14.49	3	V	NaN	NaN	-
5240MHz	Pass	AV	5.1402G	46.95	54.00	-7.05	2.69	3	V	NaN	NaN	-
5240MHz	Pass	AV	5.2458G	105.83	Inf	-Inf	2.87	3	V	NaN	NaN	-
5240MHz	Pass	AV	5.358G	46.13	54.00	-7.87	3.05	3	V	NaN	NaN	-
5240MHz	Pass	PK	5.1432G	58.16	74.00	-15.84	2.70	3	V	NaN	NaN	-
5240MHz	Pass	PK	5.2374G	115.94	Inf	-Inf	2.86	3	V	NaN	NaN	-
5240MHz	Pass	PK	5.3568G	57.66	74.00	-16.34	3.05	3	V	NaN	NaN	-
5240MHz	Pass	AV	15.72G	46.76	54.00	-7.24	13.94	3	H	NaN	NaN	-
5240MHz	Pass	PK	7.891G	52.49	68.20	-15.71	9.41	3	H	NaN	NaN	-
5240MHz	Pass	PK	10.48G	57.20	68.20	-11.00	13.33	3	H	NaN	NaN	-
5240MHz	Pass	PK	15.72G	57.98	74.00	-16.02	13.94	3	H	NaN	NaN	-
5240MHz	Pass	AV	15.72G	52.17	54.00	-1.83	13.94	3	V	NaN	NaN	-
5240MHz	Pass	PK	8.876G	52.31	68.20	-15.89	9.81	3	V	NaN	NaN	-
5240MHz	Pass	PK	10.48G	59.68	68.20	-8.52	13.33	3	V	NaN	NaN	-
5240MHz	Pass	PK	15.72G	69.83	74.00	-4.17	13.94	3	V	NaN	NaN	-
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.14972G	52.62	54.00	-1.38	2.71	3	V	NaN	NaN	-
5190MHz	Pass	AV	5.18338G	101.39	Inf	-Inf	2.77	3	V	NaN	NaN	-
5190MHz	Pass	PK	5.14972G	66.80	74.00	-7.20	2.71	3	V	NaN	NaN	-
5190MHz	Pass	PK	5.18382G	113.21	Inf	-Inf	2.77	3	V	NaN	NaN	-
5190MHz	Pass	AV	15.57G	44.43	54.00	-9.57	14.63	3	H	NaN	NaN	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5190MHz	Pass	PK	8.78G	52.71	68.20	-15.49	9.71	3	H	NaN	NaN	-
5190MHz	Pass	PK	10.38G	55.83	68.20	-12.37	13.09	3	H	NaN	NaN	-
5190MHz	Pass	PK	15.57G	57.73	74.00	-16.27	14.63	3	H	NaN	NaN	-
5190MHz	Pass	AV	15.57G	45.13	54.00	-8.87	14.63	3	V	NaN	NaN	-
5190MHz	Pass	PK	8.632G	53.05	68.20	-15.15	9.55	3	V	NaN	NaN	-
5190MHz	Pass	PK	10.38G	57.89	68.20	-10.31	13.09	3	V	NaN	NaN	-
5190MHz	Pass	PK	15.57G	58.63	74.00	-15.37	14.63	3	V	NaN	NaN	-
5230MHz	Pass	AV	5.1486G	47.35	54.00	-6.65	2.71	3	V	NaN	NaN	-
5230MHz	Pass	AV	5.214G	103.14	Inf	-Inf	2.82	3	V	NaN	NaN	-
5230MHz	Pass	AV	5.3556G	46.45	54.00	-7.55	3.05	3	V	NaN	NaN	-
5230MHz	Pass	PK	5.1372G	59.51	74.00	-14.49	2.69	3	V	NaN	NaN	-
5230MHz	Pass	PK	5.214G	113.23	Inf	-Inf	2.82	3	V	NaN	NaN	-
5230MHz	Pass	PK	5.3772G	57.33	74.00	-16.67	3.09	3	V	NaN	NaN	-
5230MHz	Pass	AV	15.69G	46.08	54.00	-7.92	14.08	3	H	NaN	NaN	-
5230MHz	Pass	PK	8.604G	52.40	68.20	-15.80	9.51	3	H	NaN	NaN	-
5230MHz	Pass	PK	10.46G	56.03	68.20	-12.17	13.28	3	H	NaN	NaN	-
5230MHz	Pass	PK	15.69G	56.98	74.00	-17.02	14.08	3	H	NaN	NaN	-
5230MHz	Pass	AV	8.196G	39.50	54.00	-14.50	9.50	3	V	NaN	NaN	-
5230MHz	Pass	AV	15.69G	52.18	54.00	-1.82	14.08	3	V	NaN	NaN	-
5230MHz	Pass	PK	8.196G	52.10	74.00	-21.90	9.50	3	V	NaN	NaN	-
5230MHz	Pass	PK	10.46G	58.48	68.20	-9.72	13.28	3	V	NaN	NaN	-
5230MHz	Pass	PK	15.69G	63.08	74.00	-10.92	14.08	3	V	NaN	NaN	-
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.148G	52.86	54.00	-1.14	2.71	3	V	NaN	NaN	-
5210MHz	Pass	AV	5.1738G	96.87	Inf	-Inf	2.75	3	V	NaN	NaN	-
5210MHz	Pass	AV	5.352G	46.80	54.00	-7.20	3.04	3	V	NaN	NaN	-
5210MHz	Pass	PK	5.1498G	70.07	74.00	-3.93	2.71	3	V	NaN	NaN	-
5210MHz	Pass	PK	5.1774G	111.88	Inf	-Inf	2.76	3	V	NaN	NaN	-
5210MHz	Pass	PK	5.3892G	58.28	74.00	-15.72	3.11	3	V	NaN	NaN	-
5210MHz	Pass	AV	15.63G	44.35	54.00	-9.65	14.35	3	H	NaN	NaN	-
5210MHz	Pass	PK	7.989G	52.04	68.20	-16.16	9.54	3	H	NaN	NaN	-
5210MHz	Pass	PK	10.42G	55.36	68.20	-12.84	13.18	3	H	NaN	NaN	-
5210MHz	Pass	PK	15.63G	55.95	74.00	-18.05	14.35	3	H	NaN	NaN	-
5210MHz	Pass	AV	15.63G	44.75	54.00	-9.25	14.35	3	V	NaN	NaN	-
5210MHz	Pass	PK	8.896G	52.84	68.20	-15.36	9.84	3	V	NaN	NaN	-
5210MHz	Pass	PK	10.42G	57.38	68.20	-10.82	13.18	3	V	NaN	NaN	-
5210MHz	Pass	PK	15.63G	56.45	74.00	-17.55	14.35	3	V	NaN	NaN	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5745MHz	Pass	AV	5.63176G	47.70	Inf	-Inf	3.51	3	V	NaN	NaN	-
5745MHz	Pass	AV	5.69988G	51.18	Inf	-Inf	3.62	3	V	NaN	NaN	-
5745MHz	Pass	AV	5.7199G	61.26	Inf	-Inf	3.65	3	V	NaN	NaN	-
5745MHz	Pass	AV	5.72484G	68.68	Inf	-Inf	3.66	3	V	NaN	NaN	-
5745MHz	Pass	AV	5.73992G	107.35	Inf	-Inf	3.68	3	V	NaN	NaN	-
5745MHz	Pass	PK	5.64762G	58.42	68.20	-9.78	3.54	3	V	NaN	NaN	-
5745MHz	Pass	PK	5.69884G	62.25	104.34	-42.09	3.62	3	V	NaN	NaN	-
5745MHz	Pass	PK	5.7199G	71.71	110.77	-39.06	3.65	3	V	NaN	NaN	-
5745MHz	Pass	PK	5.72406G	79.02	120.06	-41.04	3.66	3	V	NaN	NaN	-
5745MHz	Pass	PK	5.73888G	117.54	Inf	-Inf	3.68	3	V	NaN	NaN	-
5745MHz	Pass	AV	7.66G	46.86	54.00	-7.14	9.06	3	H	NaN	NaN	-

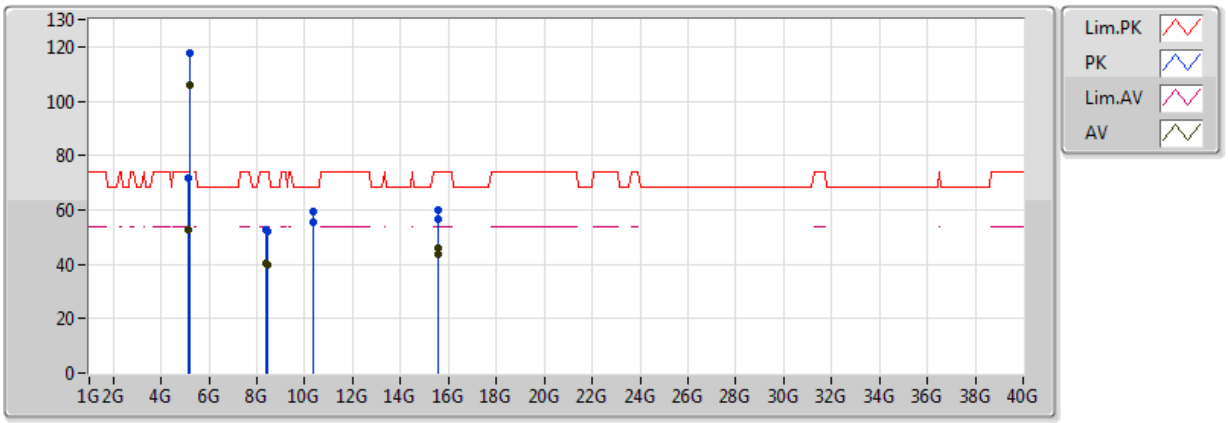
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	AV	11.49G	45.06	54.00	-8.94	14.06	3	H	NaN	NaN	-
5745MHz	Pass	PK	7.66G	53.61	74.00	-20.39	9.06	3	H	NaN	NaN	-
5745MHz	Pass	PK	11.49G	56.06	74.00	-17.94	14.06	3	H	NaN	NaN	-
5745MHz	Pass	PK	17.235G	61.16	68.20	-7.04	18.76	3	H	NaN	NaN	-
5745MHz	Pass	AV	7.66G	53.26	54.00	-0.74	9.06	3	V	NaN	NaN	-
5745MHz	Pass	AV	11.49G	50.72	54.00	-3.28	14.06	3	V	NaN	NaN	-
5745MHz	Pass	PK	7.66G	57.66	74.00	-16.34	9.06	3	V	NaN	NaN	-
5745MHz	Pass	PK	11.49G	63.36	74.00	-10.64	14.06	3	V	NaN	NaN	-
5745MHz	Pass	PK	17.235G	61.96	68.20	-6.24	18.76	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.63215G	47.27	Inf	-Inf	3.51	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.6991G	47.42	Inf	-Inf	3.62	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.7199G	47.86	Inf	-Inf	3.65	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.72445G	48.12	Inf	-Inf	3.66	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.7836G	108.27	Inf	-Inf	3.75	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.8525G	47.92	Inf	-Inf	3.86	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.86225G	47.97	Inf	-Inf	3.88	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.88435G	47.56	Inf	-Inf	3.91	3	V	NaN	NaN	-
5785MHz	Pass	AV	5.93115G	47.24	Inf	-Inf	3.99	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.625G	58.43	68.20	-9.77	3.50	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.6913G	59.12	98.76	-39.64	3.61	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.7147G	59.53	109.32	-49.79	3.64	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.72185G	59.21	115.02	-55.81	3.65	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.78165G	118.29	Inf	-Inf	3.74	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.8512G	58.74	119.46	-60.72	3.86	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.8629G	59.68	108.59	-48.91	3.88	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.88175G	58.90	100.20	-41.30	3.91	3	V	NaN	NaN	-
5785MHz	Pass	PK	5.9292G	58.46	68.20	-9.74	3.98	3	V	NaN	NaN	-
5785MHz	Pass	AV	7.713G	47.60	54.00	-6.40	9.14	3	H	NaN	NaN	-
5785MHz	Pass	AV	11.57G	45.47	54.00	-8.53	13.97	3	H	NaN	NaN	-
5785MHz	Pass	PK	7.713G	54.90	74.00	-19.10	9.14	3	H	NaN	NaN	-
5785MHz	Pass	PK	11.57G	56.77	74.00	-17.23	13.97	3	H	NaN	NaN	-
5785MHz	Pass	PK	17.335G	61.41	68.20	-6.79	19.41	3	H	NaN	NaN	-
5785MHz	Pass	AV	7.713G	53.79	54.00	-0.21	9.14	3	V	NaN	NaN	-
5785MHz	Pass	AV	11.57G	51.87	54.00	-2.13	13.97	3	V	NaN	NaN	-
5785MHz	Pass	PK	7.713G	56.74	74.00	-17.26	9.14	3	V	NaN	NaN	-
5785MHz	Pass	PK	11.57G	63.57	74.00	-10.43	13.97	3	V	NaN	NaN	-
5785MHz	Pass	PK	17.335G	65.61	68.20	-2.59	19.41	3	V	NaN	NaN	-
5825MHz	Pass	AV	5.81689G	107.89	Inf	-Inf	3.80	3	V	NaN	NaN	-
5825MHz	Pass	AV	5.85091G	61.93	Inf	-Inf	3.86	3	V	NaN	NaN	-
5825MHz	Pass	AV	5.85523G	55.40	Inf	-Inf	3.86	3	V	NaN	NaN	-
5825MHz	Pass	AV	5.87521G	50.08	Inf	-Inf	3.90	3	V	NaN	NaN	-
5825MHz	Pass	AV	5.92516G	47.89	Inf	-Inf	3.98	3	V	NaN	NaN	-
5825MHz	Pass	PK	5.81878G	117.52	Inf	-Inf	3.80	3	V	NaN	NaN	-
5825MHz	Pass	PK	5.85064G	73.83	120.74	-46.91	3.86	3	V	NaN	NaN	-
5825MHz	Pass	PK	5.85523G	69.89	110.74	-40.85	3.86	3	V	NaN	NaN	-
5825MHz	Pass	PK	5.87575G	61.33	104.64	-43.31	3.90	3	V	NaN	NaN	-
5825MHz	Pass	PK	5.93596G	60.15	68.20	-8.05	3.99	3	V	NaN	NaN	-
5825MHz	Pass	AV	11.65G	43.97	54.00	-10.03	13.88	3	H	NaN	NaN	-
5825MHz	Pass	PK	7.766G	54.61	68.20	-13.59	9.21	3	H	NaN	NaN	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	11.65G	55.17	74.00	-18.83	13.88	3	H	NaN	NaN	-
5825MHz	Pass	PK	17.475G	62.61	68.20	-5.59	20.31	3	H	NaN	NaN	-
5825MHz	Pass	AV	11.65G	53.76	54.00	-0.24	13.88	3	V	NaN	NaN	-
5825MHz	Pass	PK	7.766G	56.48	68.20	-11.72	9.21	3	V	NaN	NaN	-
5825MHz	Pass	PK	11.65G	65.26	74.00	-8.74	13.88	3	V	NaN	NaN	-
5825MHz	Pass	PK	17.475G	63.31	68.20	-4.89	20.31	3	V	NaN	NaN	-
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	AV	5.64949G	47.58	Inf	-Inf	3.54	3	V	NaN	NaN	-
5755MHz	Pass	AV	5.69878G	57.08	Inf	-Inf	3.62	3	V	NaN	NaN	-
5755MHz	Pass	AV	5.71831G	72.87	Inf	-Inf	3.65	3	V	NaN	NaN	-
5755MHz	Pass	AV	5.72296G	75.46	Inf	-Inf	3.65	3	V	NaN	NaN	-
5755MHz	Pass	AV	5.76295G	104.27	Inf	-Inf	3.71	3	V	NaN	NaN	-
5755MHz	Pass	PK	5.63833G	59.15	68.20	-9.05	3.52	3	V	NaN	NaN	-
5755MHz	Pass	PK	5.69816G	72.57	103.84	-31.27	3.62	3	V	NaN	NaN	-
5755MHz	Pass	PK	5.71924G	89.21	110.59	-21.38	3.65	3	V	NaN	NaN	-
5755MHz	Pass	PK	5.72389G	91.87	119.67	-27.80	3.66	3	V	NaN	NaN	-
5755MHz	Pass	PK	5.73815G	115.17	Inf	-Inf	3.68	3	V	NaN	NaN	-
5755MHz	Pass	AV	7.672G	49.49	54.00	-4.51	9.08	3	H	NaN	NaN	-
5755MHz	Pass	AV	11.51G	46.11	54.00	-7.89	14.03	3	H	NaN	NaN	-
5755MHz	Pass	PK	7.672G	55.79	74.00	-18.21	9.08	3	H	NaN	NaN	-
5755MHz	Pass	PK	11.51G	57.90	74.00	-16.10	14.03	3	H	NaN	NaN	-
5755MHz	Pass	PK	17.265G	62.40	68.20	-5.80	18.95	3	H	NaN	NaN	-
5755MHz	Pass	AV	7.673G	53.08	54.00	-0.92	9.08	3	V	NaN	NaN	-
5755MHz	Pass	AV	11.51G	51.43	54.00	-2.57	14.03	3	V	NaN	NaN	-
5755MHz	Pass	PK	7.673G	56.66	74.00	-17.34	9.08	3	V	NaN	NaN	-
5755MHz	Pass	PK	11.51G	63.53	74.00	-10.47	14.03	3	V	NaN	NaN	-
5755MHz	Pass	PK	17.265G	65.59	68.20	-2.61	18.95	3	V	NaN	NaN	-
5795MHz	Pass	AV	5.79268G	107.36	Inf	-Inf	3.76	3	V	NaN	NaN	-
5795MHz	Pass	AV	5.85028G	62.07	Inf	-Inf	3.86	3	V	NaN	NaN	-
5795MHz	Pass	AV	5.85532G	60.24	Inf	-Inf	3.86	3	V	NaN	NaN	-
5795MHz	Pass	AV	5.87548G	52.57	Inf	-Inf	3.90	3	V	NaN	NaN	-
5795MHz	Pass	AV	5.92768G	47.74	Inf	-Inf	3.98	3	V	NaN	NaN	-
5795MHz	Pass	PK	5.78368G	115.76	Inf	-Inf	3.75	3	V	NaN	NaN	-
5795MHz	Pass	PK	5.85064G	74.02	120.74	-46.72	3.86	3	V	NaN	NaN	-
5795MHz	Pass	PK	5.85928G	73.10	109.60	-36.50	3.87	3	V	NaN	NaN	-
5795MHz	Pass	PK	5.87692G	65.03	103.78	-38.75	3.90	3	V	NaN	NaN	-
5795MHz	Pass	PK	5.94136G	59.18	68.20	-9.02	4.00	3	V	NaN	NaN	-
5795MHz	Pass	AV	7.726G	47.36	54.00	-6.64	9.16	3	H	NaN	NaN	-
5795MHz	Pass	AV	11.59G	44.65	54.00	-9.35	13.95	3	H	NaN	NaN	-
5795MHz	Pass	PK	7.726G	53.56	74.00	-20.44	9.16	3	H	NaN	NaN	-
5795MHz	Pass	PK	11.59G	55.45	74.00	-18.55	13.95	3	H	NaN	NaN	-
5795MHz	Pass	PK	17.385G	61.03	68.20	-7.17	19.73	3	H	NaN	NaN	-
5795MHz	Pass	AV	7.726G	49.76	54.00	-4.24	9.16	3	V	NaN	NaN	-
5795MHz	Pass	AV	11.59G	51.15	54.00	-2.85	13.95	3	V	NaN	NaN	-
5795MHz	Pass	PK	7.726G	55.78	74.00	-18.22	9.16	3	V	NaN	NaN	-
5795MHz	Pass	PK	11.59G	61.39	74.00	-12.61	13.95	3	V	NaN	NaN	-
5795MHz	Pass	PK	17.385G	61.93	68.20	-6.27	19.73	3	V	NaN	NaN	-
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	AV	5.6458G	48.39	Inf	-Inf	3.53	3	V	NaN	NaN	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5775MHz	Pass	AV	5.6809G	57.23	Inf	-Inf	3.59	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.71925G	59.42	Inf	-Inf	3.65	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.72185G	60.24	Inf	-Inf	3.65	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.75175G	99.02	Inf	-Inf	3.70	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.85055G	55.18	Inf	-Inf	3.86	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.8551G	54.53	Inf	-Inf	3.86	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.87525G	50.02	Inf	-Inf	3.90	3	V	NaN	NaN	-
5775MHz	Pass	AV	5.93505G	47.50	Inf	-Inf	3.99	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.6276G	61.76	68.20	-6.44	3.50	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.68025G	74.82	90.59	-15.77	3.59	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.7199G	76.97	110.77	-33.80	3.65	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.72055G	78.99	112.05	-33.06	3.65	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.7511G	112.07	Inf	-Inf	3.70	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.85055G	68.12	120.95	-52.83	3.86	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.87005G	67.49	106.59	-39.10	3.89	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.87525G	62.23	105.02	-42.79	3.90	3	V	NaN	NaN	-
5775MHz	Pass	PK	5.9253G	58.35	68.20	-9.85	3.98	3	V	NaN	NaN	-
5775MHz	Pass	AV	7.7G	43.62	54.00	-10.38	9.12	3	H	NaN	NaN	-
5775MHz	Pass	AV	11.55G	46.64	54.00	-7.36	13.99	3	H	NaN	NaN	-
5775MHz	Pass	PK	7.7G	52.72	74.00	-21.28	9.12	3	H	NaN	NaN	-
5775MHz	Pass	PK	11.55G	58.76	74.00	-15.24	13.99	3	H	NaN	NaN	-
5775MHz	Pass	PK	17.325G	62.93	68.20	-5.27	18.76	3	H	NaN	NaN	-
5775MHz	Pass	AV	7.7G	52.12	54.00	-1.88	9.12	3	V	NaN	NaN	-
5775MHz	Pass	AV	11.55G	46.96	54.00	-7.04	13.99	3	V	NaN	NaN	-
5775MHz	Pass	PK	7.7G	56.22	74.00	-17.78	9.12	3	V	NaN	NaN	-
5775MHz	Pass	PK	11.55G	58.88	74.00	-15.12	13.99	3	V	NaN	NaN	-
5775MHz	Pass	PK	17.325G	62.18	68.20	-6.02	18.76	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX-BF

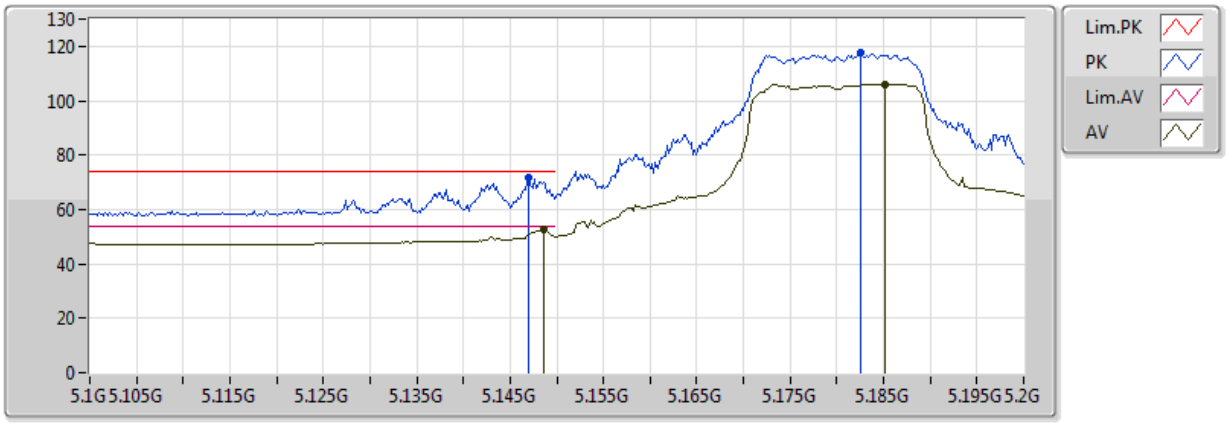


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1486G	52.77	54.00	-1.23	2.71	3	V	NaN	NaN	-
AV	5.1852G	106.05	Inf	-Inf	2.77	3	V	NaN	NaN	-
PK	5.147G	71.68	74.00	-2.32	2.70	3	V	NaN	NaN	-
PK	5.1826G	117.49	Inf	-Inf	2.77	3	V	NaN	NaN	-
AV	8.448G	39.62	54.00	-14.38	9.42	3	H	NaN	NaN	-
AV	15.54G	43.77	54.00	-10.23	14.77	3	H	NaN	NaN	-
PK	8.448G	51.92	74.00	-22.08	9.42	3	H	NaN	NaN	-
PK	10.36G	55.64	68.20	-12.56	13.04	3	H	NaN	NaN	-
PK	15.54G	56.57	74.00	-17.43	14.77	3	H	NaN	NaN	-
AV	8.408G	40.24	54.00	-13.76	9.44	3	V	NaN	NaN	-
AV	15.54G	45.77	54.00	-8.23	14.77	3	V	NaN	NaN	-
PK	8.408G	52.56	74.00	-21.44	9.44	3	V	NaN	NaN	-
PK	10.36G	59.41	68.20	-8.79	13.04	3	V	NaN	NaN	-
PK	15.54G	59.87	74.00	-14.13	14.77	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5180MHz_TX-BF

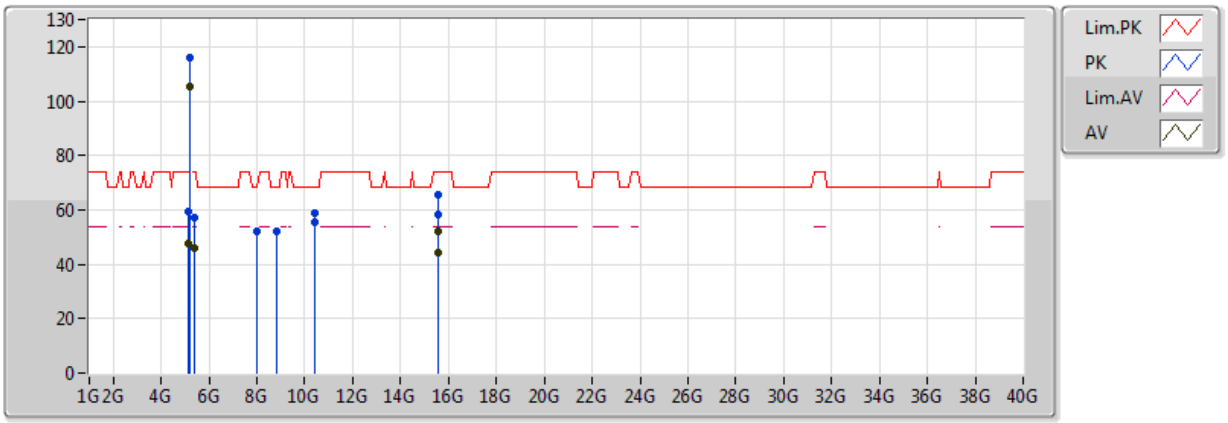


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1852G	106.05	Inf	-Inf	2.77	3	V	NaN	NaN	-
AV	5.1486G	52.77	54.00	-1.23	2.71	3	V	NaN	NaN	-
PK	5.1826G	117.49	Inf	-Inf	2.77	3	V	NaN	NaN	-
PK	5.147G	71.68	74.00	-2.32	2.70	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX-BF

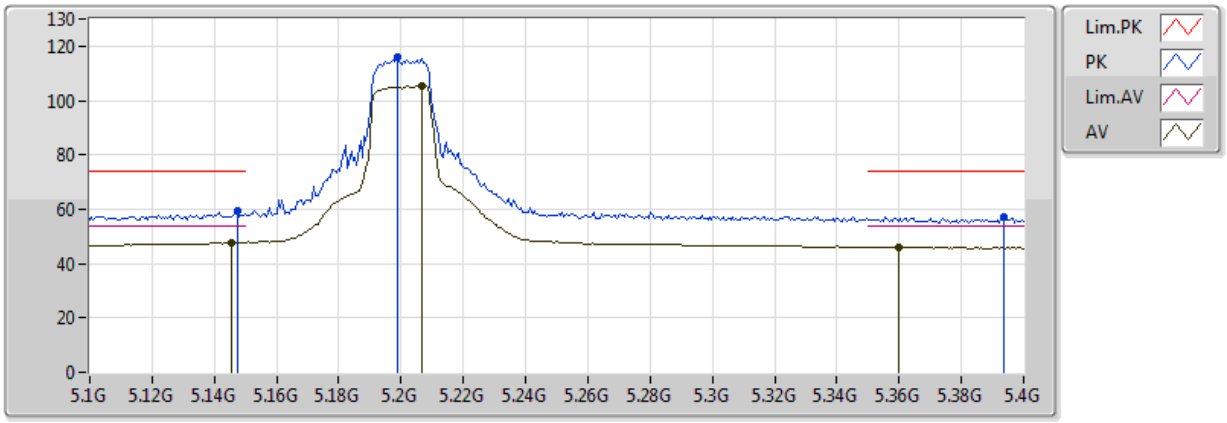


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1456G	47.69	54.00	-6.31	2.70	3	V	NaN	NaN	-
AV	5.2068G	105.19	Inf	-Inf	2.81	3	V	NaN	NaN	-
AV	5.3598G	46.18	54.00	-7.82	3.06	3	V	NaN	NaN	-
PK	5.1474G	59.31	74.00	-14.69	2.71	3	V	NaN	NaN	-
PK	5.199G	115.72	Inf	-Inf	2.80	3	V	NaN	NaN	-
PK	5.3934G	57.23	74.00	-16.77	3.12	3	V	NaN	NaN	-
AV	15.6G	44.49	54.00	-9.51	14.49	3	H	NaN	NaN	-
PK	8.808G	52.34	68.20	-15.86	9.74	3	H	NaN	NaN	-
PK	10.4G	55.59	68.20	-12.61	13.14	3	H	NaN	NaN	-
PK	15.6G	58.49	74.00	-15.51	14.49	3	H	NaN	NaN	-
AV	15.6G	52.19	54.00	-1.81	14.49	3	V	NaN	NaN	-
PK	7.988G	51.95	68.20	-16.25	9.53	3	V	NaN	NaN	-
PK	10.4G	58.84	68.20	-9.36	13.14	3	V	NaN	NaN	-
PK	15.6G	65.64	74.00	-8.36	14.49	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5200MHz_TX-BF

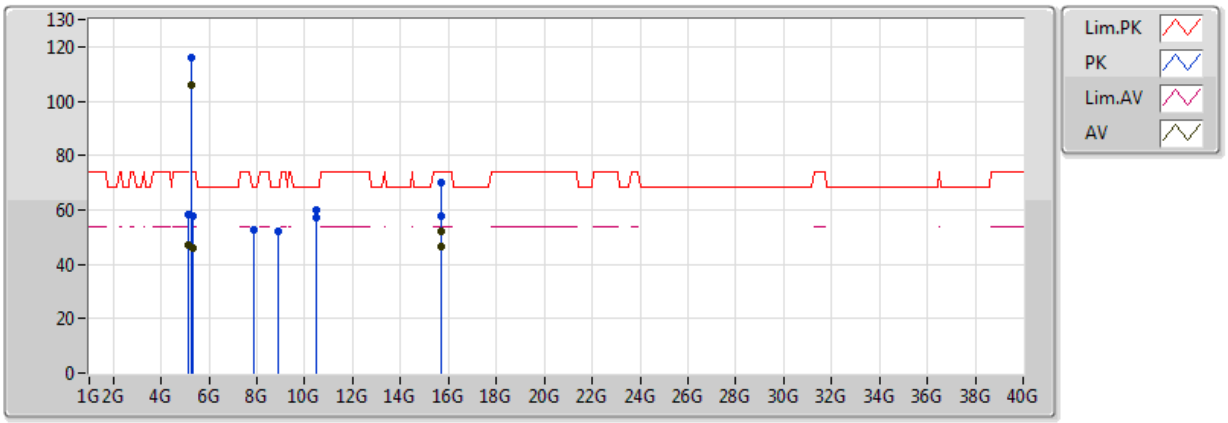


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.199G	115.72	Inf	-Inf	2.80	3	V	NaN	NaN	-
AV	5.2068G	105.19	Inf	-Inf	2.81	3	V	NaN	NaN	-
AV	5.1456G	47.69	54.00	-6.31	2.70	3	V	NaN	NaN	-
AV	5.3598G	46.18	54.00	-7.82	3.06	3	V	NaN	NaN	-
PK	5.1474G	59.31	74.00	-14.69	2.71	3	V	NaN	NaN	-
PK	5.3934G	57.23	74.00	-16.77	3.12	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX-BF

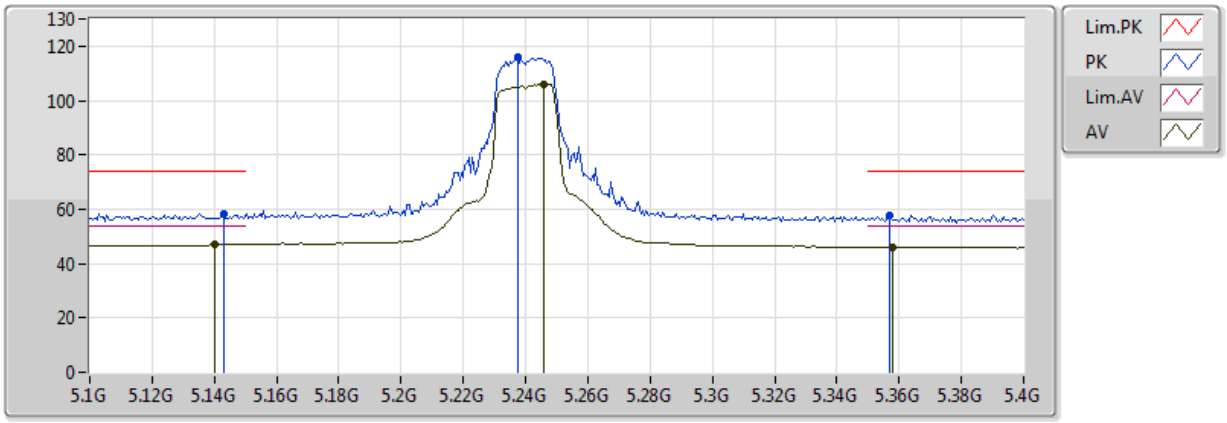


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1402G	46.95	54.00	-7.05	2.69	3	V	NaN	NaN	-
AV	5.2458G	105.83	Inf	-Inf	2.87	3	V	NaN	NaN	-
AV	5.358G	46.13	54.00	-7.87	3.05	3	V	NaN	NaN	-
PK	5.1432G	58.16	74.00	-15.84	2.70	3	V	NaN	NaN	-
PK	5.2374G	115.94	Inf	-Inf	2.86	3	V	NaN	NaN	-
PK	5.3568G	57.66	74.00	-16.34	3.05	3	V	NaN	NaN	-
AV	15.72G	46.76	54.00	-7.24	13.94	3	H	NaN	NaN	-
PK	7.891G	52.49	68.20	-15.71	9.41	3	H	NaN	NaN	-
PK	10.48G	57.20	68.20	-11.00	13.33	3	H	NaN	NaN	-
PK	15.72G	57.98	74.00	-16.02	13.94	3	H	NaN	NaN	-
AV	15.72G	52.17	54.00	-1.83	13.94	3	V	NaN	NaN	-
PK	8.876G	52.31	68.20	-15.89	9.81	3	V	NaN	NaN	-
PK	10.48G	59.68	68.20	-8.52	13.33	3	V	NaN	NaN	-
PK	15.72G	69.83	74.00	-4.17	13.94	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5240MHz_TX-BF

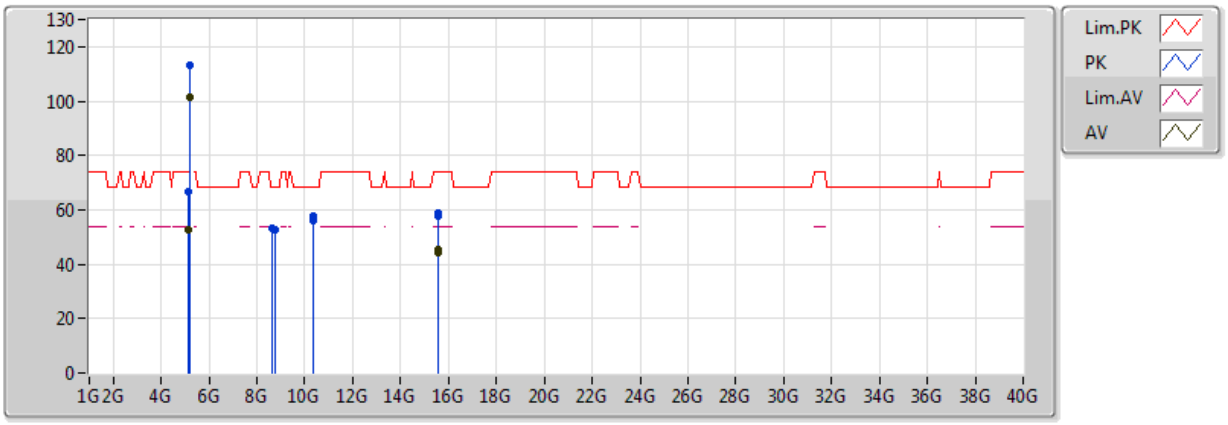


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.2374G	115.94	Inf	-Inf	2.86	3	V	NaN	NaN	-
PK	5.1432G	58.16	74.00	-15.84	2.70	3	V	NaN	NaN	-
PK	5.3568G	57.66	74.00	-16.34	3.05	3	V	NaN	NaN	-
AV	5.2458G	105.83	Inf	-Inf	2.87	3	V	NaN	NaN	-
AV	5.1402G	46.95	54.00	-7.05	2.69	3	V	NaN	NaN	-
AV	5.358G	46.13	54.00	-7.87	3.05	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX-BF

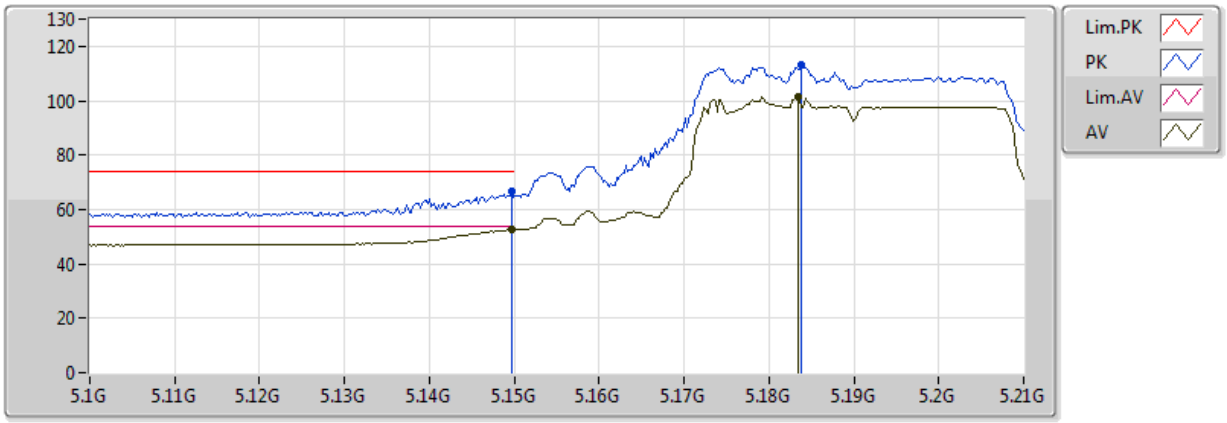


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.14972G	52.62	54.00	-1.38	2.71	3	V	NaN	NaN	-
AV	5.18338G	101.39	Inf	-Inf	2.77	3	V	NaN	NaN	-
PK	5.14972G	66.80	74.00	-7.20	2.71	3	V	NaN	NaN	-
PK	5.18382G	113.21	Inf	-Inf	2.77	3	V	NaN	NaN	-
AV	15.57G	44.43	54.00	-9.57	14.63	3	H	NaN	NaN	-
PK	8.78G	52.71	68.20	-15.49	9.71	3	H	NaN	NaN	-
PK	10.38G	55.83	68.20	-12.37	13.09	3	H	NaN	NaN	-
PK	15.57G	57.73	74.00	-16.27	14.63	3	H	NaN	NaN	-
AV	15.57G	45.13	54.00	-8.87	14.63	3	V	NaN	NaN	-
PK	8.632G	53.05	68.20	-15.15	9.55	3	V	NaN	NaN	-
PK	10.38G	57.89	68.20	-10.31	13.09	3	V	NaN	NaN	-
PK	15.57G	58.63	74.00	-15.37	14.63	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5190MHz_TX-BF

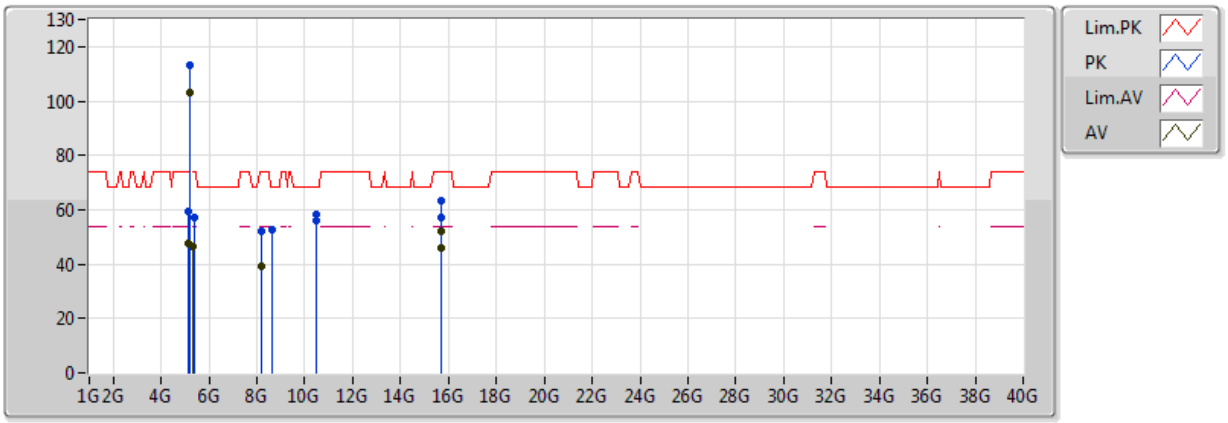


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.14972G	52.62	54.00	-1.38	2.71	3	V	NaN	NaN	-
AV	5.18338G	101.39	Inf	-Inf	2.77	3	V	NaN	NaN	-
PK	5.14972G	66.80	74.00	-7.20	2.71	3	V	NaN	NaN	-
PK	5.18382G	113.21	Inf	-Inf	2.77	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX-BF

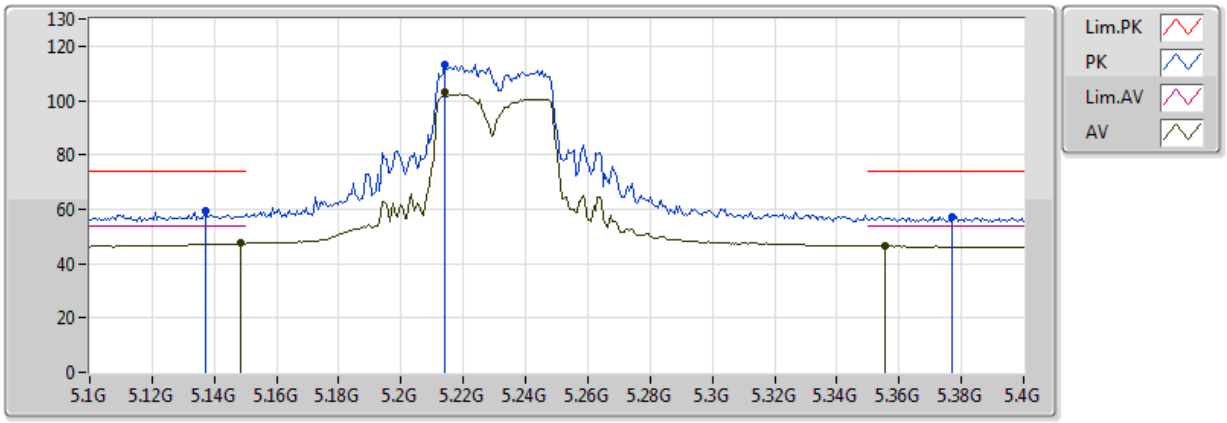


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1486G	47.35	54.00	-6.65	2.71	3	V	NaN	NaN	-
AV	5.214G	103.14	Inf	-Inf	2.82	3	V	NaN	NaN	-
AV	5.3556G	46.45	54.00	-7.55	3.05	3	V	NaN	NaN	-
PK	5.1372G	59.51	74.00	-14.49	2.69	3	V	NaN	NaN	-
PK	5.214G	113.23	Inf	-Inf	2.82	3	V	NaN	NaN	-
PK	5.3772G	57.33	74.00	-16.67	3.09	3	V	NaN	NaN	-
AV	15.69G	46.08	54.00	-7.92	14.08	3	H	NaN	NaN	-
PK	8.604G	52.40	68.20	-15.80	9.51	3	H	NaN	NaN	-
PK	10.46G	56.03	68.20	-12.17	13.28	3	H	NaN	NaN	-
PK	15.69G	56.98	74.00	-17.02	14.08	3	H	NaN	NaN	-
AV	8.196G	39.50	54.00	-14.50	9.50	3	V	NaN	NaN	-
AV	15.69G	52.18	54.00	-1.82	14.08	3	V	NaN	NaN	-
PK	8.196G	52.10	74.00	-21.90	9.50	3	V	NaN	NaN	-
PK	10.46G	58.48	68.20	-9.72	13.28	3	V	NaN	NaN	-
PK	15.69G	63.08	74.00	-10.92	14.08	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5230MHz_TX-BF

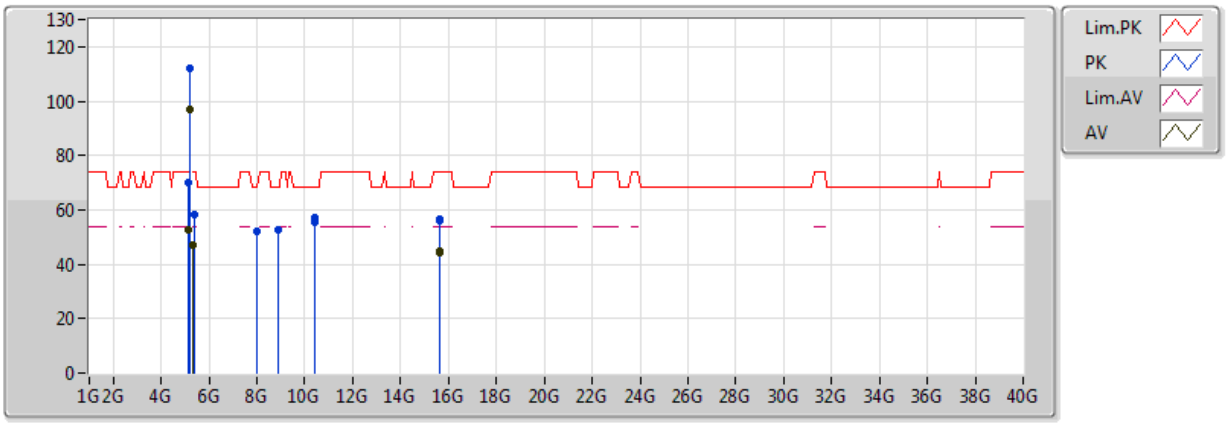


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	5.214G	113.23	Inf	-Inf	2.82	3	V	NaN	NaN	-
AV	5.214G	103.14	Inf	-Inf	2.82	3	V	NaN	NaN	-
PK	5.1372G	59.51	74.00	-14.49	2.69	3	V	NaN	NaN	-
PK	5.3772G	57.33	74.00	-16.67	3.09	3	V	NaN	NaN	-
AV	5.1486G	47.35	54.00	-6.65	2.71	3	V	NaN	NaN	-
AV	5.3556G	46.45	54.00	-7.55	3.05	3	V	NaN	NaN	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX-BF

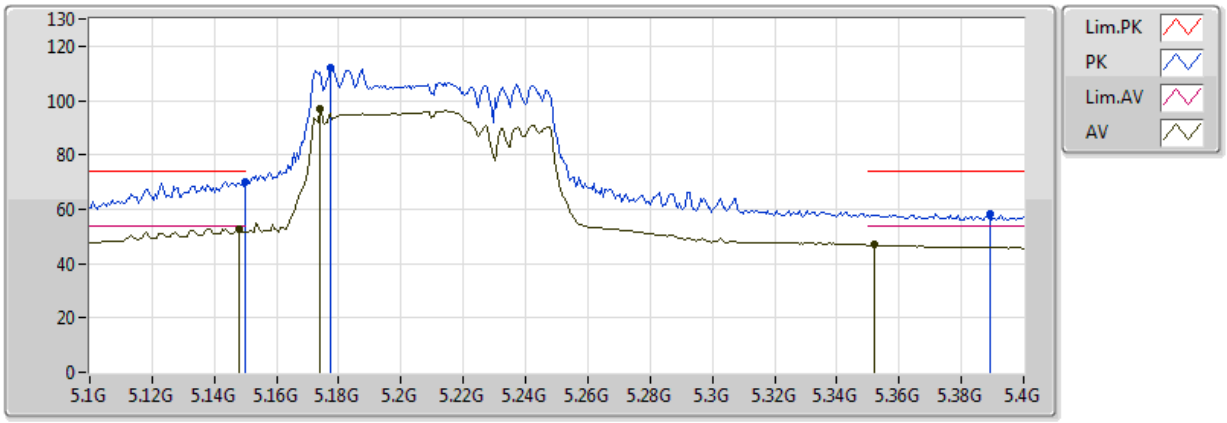


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	52.86	54.00	-1.14	2.71	3	V	NaN	NaN	-
AV	5.1738G	96.87	Inf	-Inf	2.75	3	V	NaN	NaN	-
AV	5.352G	46.80	54.00	-7.20	3.04	3	V	NaN	NaN	-
PK	5.1498G	70.07	74.00	-3.93	2.71	3	V	NaN	NaN	-
PK	5.1774G	111.88	Inf	-Inf	2.76	3	V	NaN	NaN	-
PK	5.3892G	58.28	74.00	-15.72	3.11	3	V	NaN	NaN	-
AV	15.63G	44.35	54.00	-9.65	14.35	3	H	NaN	NaN	-
PK	7.989G	52.04	68.20	-16.16	9.54	3	H	NaN	NaN	-
PK	10.42G	55.36	68.20	-12.84	13.18	3	H	NaN	NaN	-
PK	15.63G	55.95	74.00	-18.05	14.35	3	H	NaN	NaN	-
AV	15.63G	44.75	54.00	-9.25	14.35	3	V	NaN	NaN	-
PK	8.896G	52.84	68.20	-15.36	9.84	3	V	NaN	NaN	-
PK	10.42G	57.38	68.20	-10.82	13.18	3	V	NaN	NaN	-
PK	15.63G	56.45	74.00	-17.55	14.35	3	V	NaN	NaN	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5210MHz_TX-BF

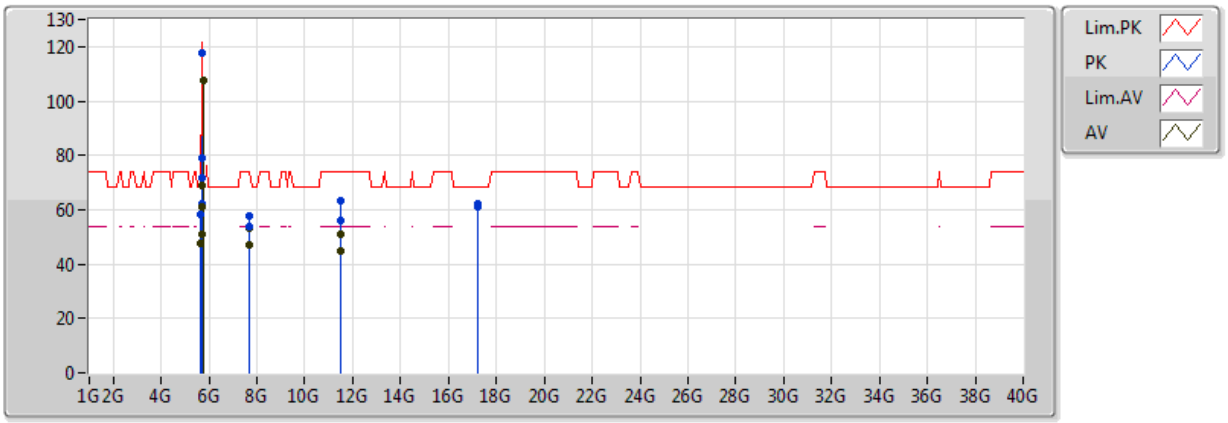


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.148G	52.86	54.00	-1.14	2.71	3	V	NaN	NaN	-
AV	5.1738G	96.87	Inf	-Inf	2.75	3	V	NaN	NaN	-
AV	5.352G	46.80	54.00	-7.20	3.04	3	V	NaN	NaN	-
PK	5.1498G	70.07	74.00	-3.93	2.71	3	V	NaN	NaN	-
PK	5.1774G	111.88	Inf	-Inf	2.76	3	V	NaN	NaN	-
PK	5.3892G	58.28	74.00	-15.72	3.11	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX-BF

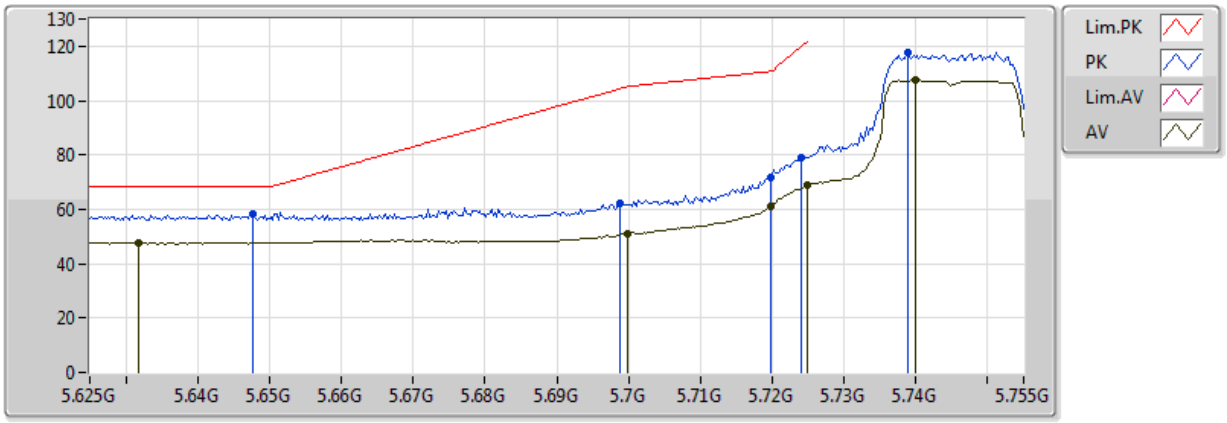


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.63176G	47.70	Inf	-Inf	3.51	3	V	NaN	NaN	-
AV	5.69988G	51.18	Inf	-Inf	3.62	3	V	NaN	NaN	-
AV	5.7199G	61.26	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72484G	68.68	Inf	-Inf	3.66	3	V	NaN	NaN	-
AV	5.73992G	107.35	Inf	-Inf	3.68	3	V	NaN	NaN	-
PK	5.64762G	58.42	68.20	-9.78	3.54	3	V	NaN	NaN	-
PK	5.69884G	62.25	104.34	-42.09	3.62	3	V	NaN	NaN	-
PK	5.7199G	71.71	110.77	-39.06	3.65	3	V	NaN	NaN	-
PK	5.72406G	79.02	120.06	-41.04	3.66	3	V	NaN	NaN	-
PK	5.73888G	117.54	Inf	-Inf	3.68	3	V	NaN	NaN	-
AV	7.66G	46.86	54.00	-7.14	9.06	3	H	NaN	NaN	-
AV	11.49G	45.06	54.00	-8.94	14.06	3	H	NaN	NaN	-
PK	7.66G	53.61	74.00	-20.39	9.06	3	H	NaN	NaN	-
PK	11.49G	56.06	74.00	-17.94	14.06	3	H	NaN	NaN	-
PK	17.235G	61.16	68.20	-7.04	18.76	3	H	NaN	NaN	-
AV	7.66G	53.26	54.00	-0.74	9.06	3	V	NaN	NaN	-
AV	11.49G	50.72	54.00	-3.28	14.06	3	V	NaN	NaN	-
PK	7.66G	57.66	74.00	-16.34	9.06	3	V	NaN	NaN	-
PK	11.49G	63.36	74.00	-10.64	14.06	3	V	NaN	NaN	-
PK	17.235G	61.96	68.20	-6.24	18.76	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5745MHz_TX-BF

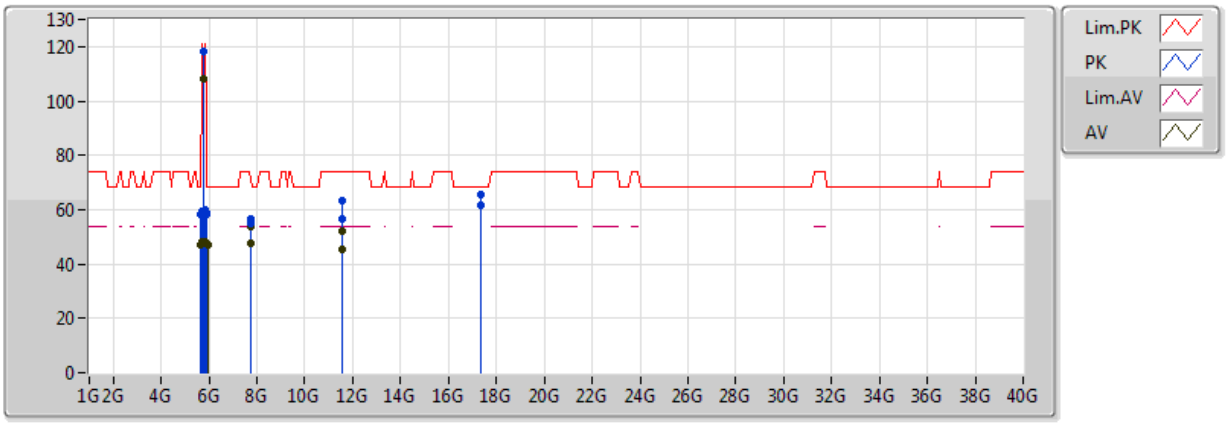


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.63176G	47.70	Inf	-Inf	3.51	3	V	NaN	NaN	-
AV	5.69988G	51.18	Inf	-Inf	3.62	3	V	NaN	NaN	-
AV	5.7199G	61.26	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72484G	68.68	Inf	-Inf	3.66	3	V	NaN	NaN	-
AV	5.73992G	107.35	Inf	-Inf	3.68	3	V	NaN	NaN	-
PK	5.64762G	58.42	68.20	-9.78	3.54	3	V	NaN	NaN	-
PK	5.69884G	62.25	104.34	-42.09	3.62	3	V	NaN	NaN	-
PK	5.7199G	71.71	110.77	-39.06	3.65	3	V	NaN	NaN	-
PK	5.72406G	79.02	120.06	-41.04	3.66	3	V	NaN	NaN	-
PK	5.73888G	117.54	Inf	-Inf	3.68	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX-BF

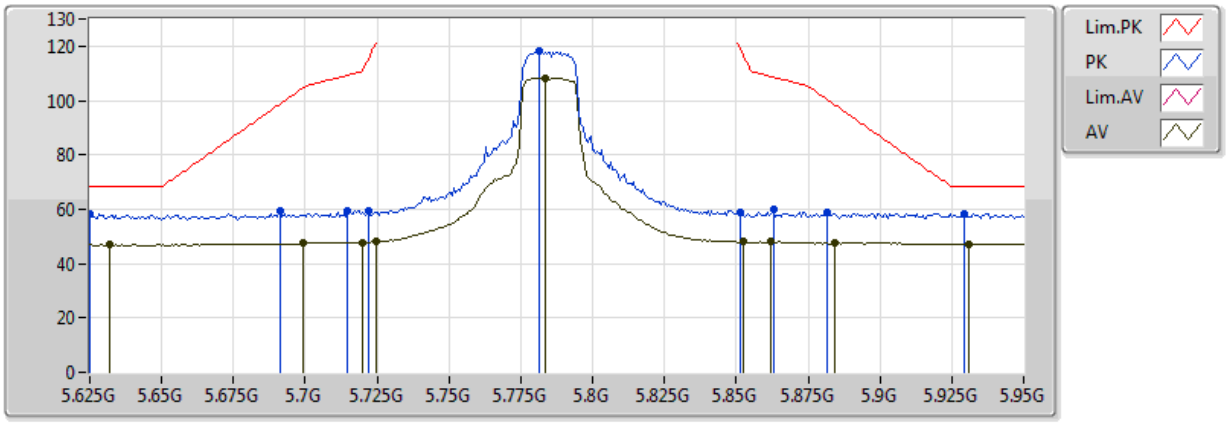


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.63215G	47.27	Inf	-Inf	3.51	3	V	NaN	NaN	-
AV	5.6991G	47.42	Inf	-Inf	3.62	3	V	NaN	NaN	-
AV	5.7199G	47.86	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72445G	48.12	Inf	-Inf	3.66	3	V	NaN	NaN	-
AV	5.7836G	108.27	Inf	-Inf	3.75	3	V	NaN	NaN	-
AV	5.8525G	47.92	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.86225G	47.97	Inf	-Inf	3.88	3	V	NaN	NaN	-
AV	5.88435G	47.56	Inf	-Inf	3.91	3	V	NaN	NaN	-
AV	5.93115G	47.24	Inf	-Inf	3.99	3	V	NaN	NaN	-
PK	5.625G	58.43	68.20	-9.77	3.50	3	V	NaN	NaN	-
PK	5.6913G	59.12	98.76	-39.64	3.61	3	V	NaN	NaN	-
PK	5.7147G	59.53	109.32	-49.79	3.64	3	V	NaN	NaN	-
PK	5.72185G	59.21	115.02	-55.81	3.65	3	V	NaN	NaN	-
PK	5.78165G	118.29	Inf	-Inf	3.74	3	V	NaN	NaN	-
PK	5.8512G	58.74	119.46	-60.72	3.86	3	V	NaN	NaN	-
PK	5.8629G	59.68	108.59	-48.91	3.88	3	V	NaN	NaN	-
PK	5.88175G	58.90	100.20	-41.30	3.91	3	V	NaN	NaN	-
PK	5.9292G	58.46	68.20	-9.74	3.98	3	V	NaN	NaN	-
AV	7.713G	47.60	54.00	-6.40	9.14	3	H	NaN	NaN	-
AV	11.57G	45.47	54.00	-8.53	13.97	3	H	NaN	NaN	-
PK	7.713G	54.90	74.00	-19.10	9.14	3	H	NaN	NaN	-
PK	11.57G	56.77	74.00	-17.23	13.97	3	H	NaN	NaN	-
PK	17.335G	61.41	68.20	-6.79	19.41	3	H	NaN	NaN	-
AV	7.713G	53.79	54.00	-0.21	9.14	3	V	NaN	NaN	-
AV	11.57G	51.87	54.00	-2.13	13.97	3	V	NaN	NaN	-
PK	7.713G	56.74	74.00	-17.26	9.14	3	V	NaN	NaN	-
PK	11.57G	63.57	74.00	-10.43	13.97	3	V	NaN	NaN	-
PK	17.335G	65.61	68.20	-2.59	19.41	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5785MHz_TX-BF

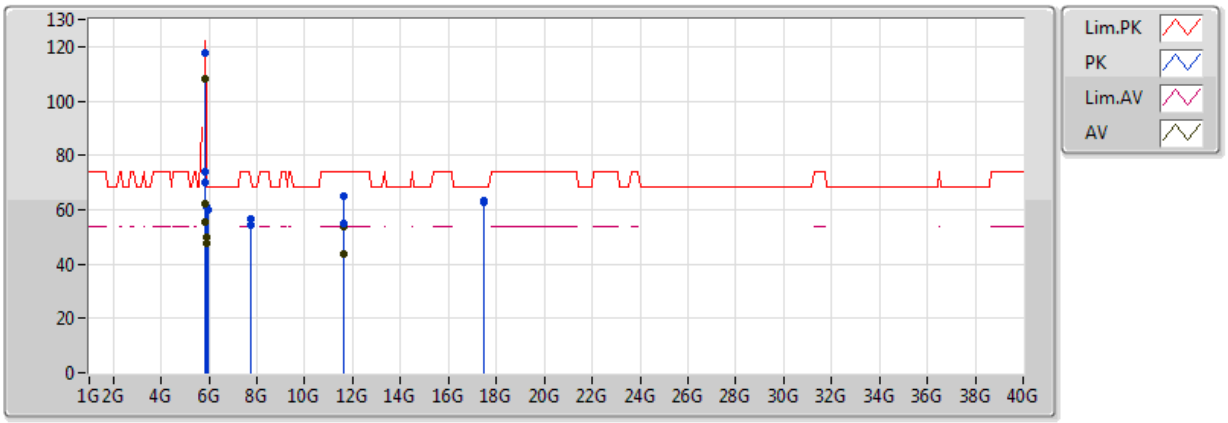


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.63215G	47.27	Inf	-Inf	3.51	3	V	NaN	NaN	-
AV	5.6991G	47.42	Inf	-Inf	3.62	3	V	NaN	NaN	-
AV	5.7199G	47.86	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72445G	48.12	Inf	-Inf	3.66	3	V	NaN	NaN	-
AV	5.7836G	108.27	Inf	-Inf	3.75	3	V	NaN	NaN	-
AV	5.8525G	47.92	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.86225G	47.97	Inf	-Inf	3.88	3	V	NaN	NaN	-
AV	5.88435G	47.56	Inf	-Inf	3.91	3	V	NaN	NaN	-
AV	5.93115G	47.24	Inf	-Inf	3.99	3	V	NaN	NaN	-
PK	5.625G	58.43	68.20	-9.77	3.50	3	V	NaN	NaN	-
PK	5.6913G	59.12	98.76	-39.64	3.61	3	V	NaN	NaN	-
PK	5.7147G	59.53	109.32	-49.79	3.64	3	V	NaN	NaN	-
PK	5.72185G	59.21	115.02	-55.81	3.65	3	V	NaN	NaN	-
PK	5.78165G	118.29	Inf	-Inf	3.74	3	V	NaN	NaN	-
PK	5.8512G	58.74	119.46	-60.72	3.86	3	V	NaN	NaN	-
PK	5.8629G	59.68	108.59	-48.91	3.88	3	V	NaN	NaN	-
PK	5.88175G	58.90	100.20	-41.30	3.91	3	V	NaN	NaN	-
PK	5.9292G	58.46	68.20	-9.74	3.98	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX-BF

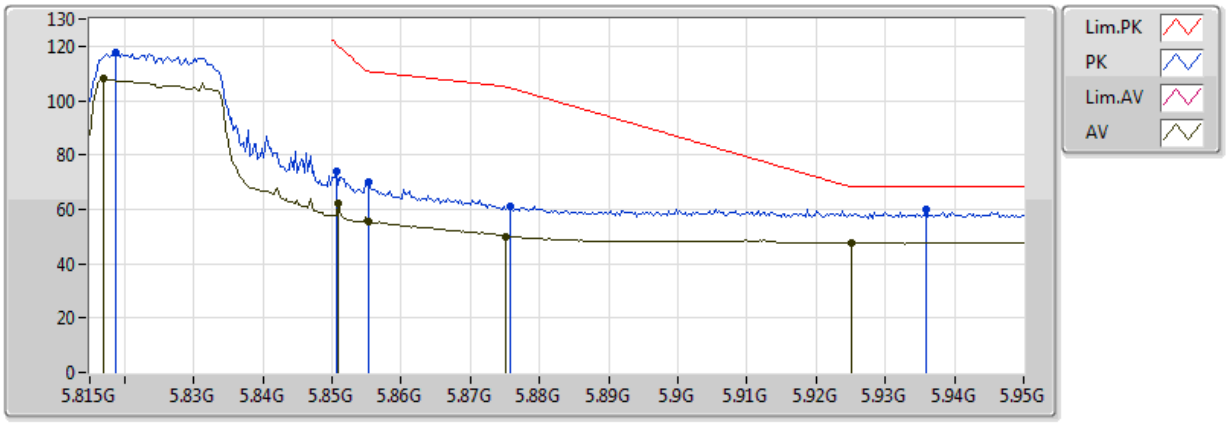


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.81689G	107.89	Inf	-Inf	3.80	3	V	NaN	NaN	-
AV	5.85091G	61.93	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.85523G	55.40	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.87521G	50.08	Inf	-Inf	3.90	3	V	NaN	NaN	-
AV	5.92516G	47.89	Inf	-Inf	3.98	3	V	NaN	NaN	-
PK	5.81878G	117.52	Inf	-Inf	3.80	3	V	NaN	NaN	-
PK	5.85064G	73.83	120.74	-46.91	3.86	3	V	NaN	NaN	-
PK	5.85523G	69.89	110.74	-40.85	3.86	3	V	NaN	NaN	-
PK	5.87575G	61.33	104.64	-43.31	3.90	3	V	NaN	NaN	-
PK	5.93596G	60.15	68.20	-8.05	3.99	3	V	NaN	NaN	-
AV	11.65G	43.97	54.00	-10.03	13.88	3	H	NaN	NaN	-
PK	7.766G	54.61	68.20	-13.59	9.21	3	H	NaN	NaN	-
PK	11.65G	55.17	74.00	-18.83	13.88	3	H	NaN	NaN	-
PK	17.475G	62.61	68.20	-5.59	20.31	3	H	NaN	NaN	-
AV	11.65G	53.76	54.00	-0.24	13.88	3	V	NaN	NaN	-
PK	7.766G	56.48	68.20	-11.72	9.21	3	V	NaN	NaN	-
PK	11.65G	65.26	74.00	-8.74	13.88	3	V	NaN	NaN	-
PK	17.475G	63.31	68.20	-4.89	20.31	3	V	NaN	NaN	-

802.11ac VHT20-BF_Nss1,(MCS0)_2TX

5825MHz_TX-BF

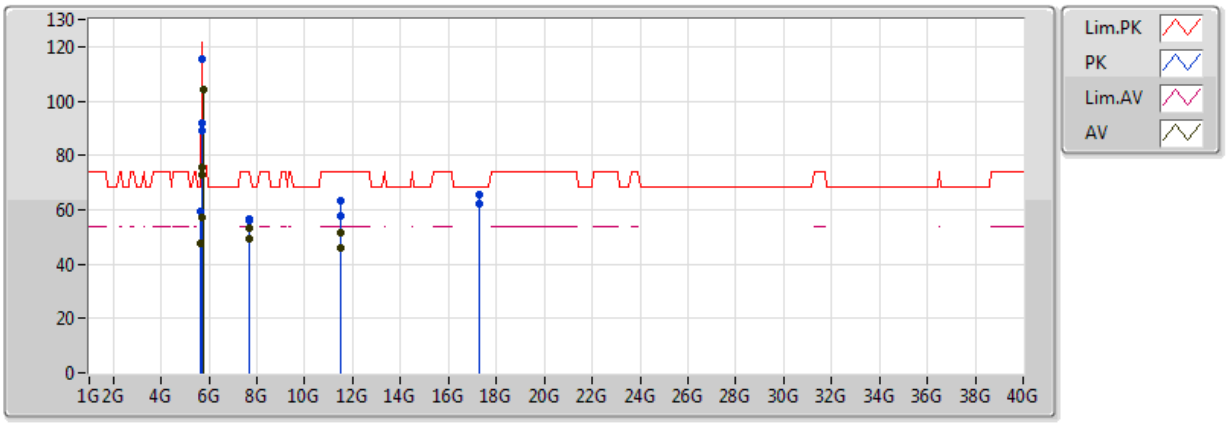


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.81689G	107.89	Inf	-Inf	3.80	3	V	NaN	NaN	-
AV	5.85091G	61.93	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.85523G	55.40	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.87521G	50.08	Inf	-Inf	3.90	3	V	NaN	NaN	-
AV	5.92516G	47.89	Inf	-Inf	3.98	3	V	NaN	NaN	-
PK	5.81878G	117.52	Inf	-Inf	3.80	3	V	NaN	NaN	-
PK	5.85064G	73.83	120.74	-46.91	3.86	3	V	NaN	NaN	-
PK	5.85523G	69.89	110.74	-40.85	3.86	3	V	NaN	NaN	-
PK	5.87575G	61.33	104.64	-43.31	3.90	3	V	NaN	NaN	-
PK	5.93596G	60.15	68.20	-8.05	3.99	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX-BF

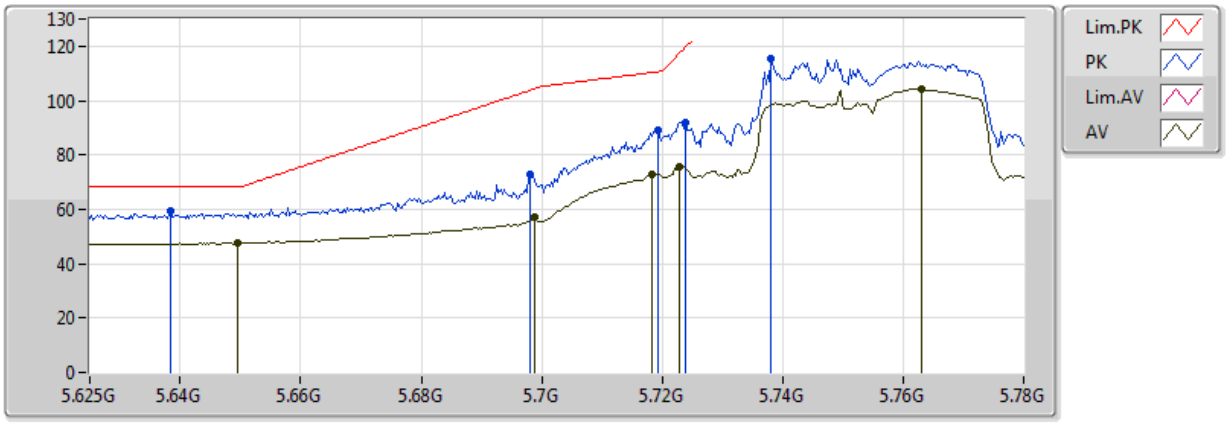


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.64949G	47.58	Inf	-Inf	3.54	3	V	NaN	NaN	-
AV	5.69878G	57.08	Inf	-Inf	3.62	3	V	NaN	NaN	-
AV	5.71831G	72.87	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72296G	75.46	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.76295G	104.27	Inf	-Inf	3.71	3	V	NaN	NaN	-
PK	5.63833G	59.15	68.20	-9.05	3.52	3	V	NaN	NaN	-
PK	5.69816G	72.57	103.84	-31.27	3.62	3	V	NaN	NaN	-
PK	5.71924G	89.21	110.59	-21.38	3.65	3	V	NaN	NaN	-
PK	5.72389G	91.87	119.67	-27.80	3.66	3	V	NaN	NaN	-
PK	5.73815G	115.17	Inf	-Inf	3.68	3	V	NaN	NaN	-
AV	7.672G	49.49	54.00	-4.51	9.08	3	H	NaN	NaN	-
AV	11.51G	46.11	54.00	-7.89	14.03	3	H	NaN	NaN	-
PK	7.672G	55.79	74.00	-18.21	9.08	3	H	NaN	NaN	-
PK	11.51G	57.90	74.00	-16.10	14.03	3	H	NaN	NaN	-
PK	17.265G	62.40	68.20	-5.80	18.95	3	H	NaN	NaN	-
AV	7.673G	53.08	54.00	-0.92	9.08	3	V	NaN	NaN	-
AV	11.51G	51.43	54.00	-2.57	14.03	3	V	NaN	NaN	-
PK	7.673G	56.66	74.00	-17.34	9.08	3	V	NaN	NaN	-
PK	11.51G	63.53	74.00	-10.47	14.03	3	V	NaN	NaN	-
PK	17.265G	65.59	68.20	-2.61	18.95	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5755MHz_TX-BF

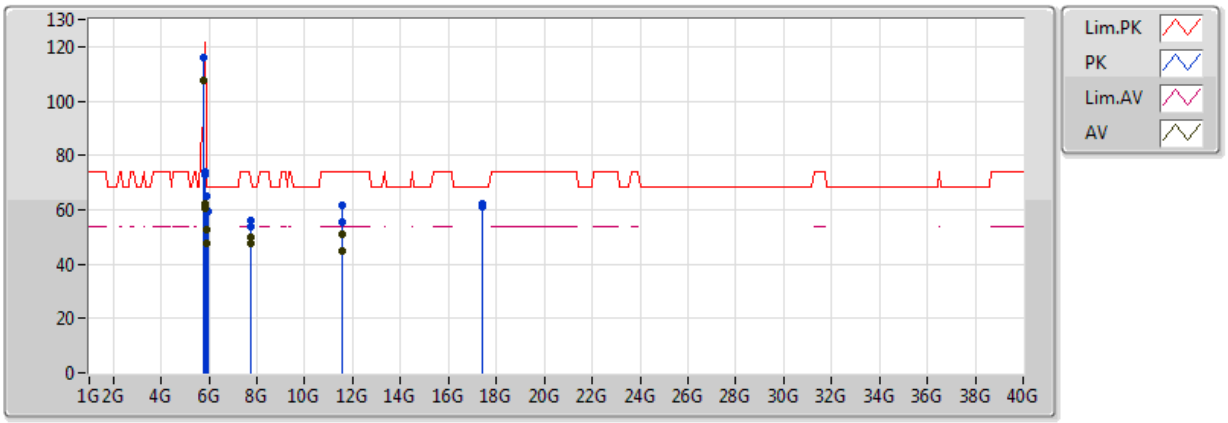


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.64949G	47.58	Inf	-Inf	3.54	3	V	NaN	NaN	-
AV	5.69878G	57.08	Inf	-Inf	3.62	3	V	NaN	NaN	-
AV	5.71831G	72.87	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72296G	75.46	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.76295G	104.27	Inf	-Inf	3.71	3	V	NaN	NaN	-
PK	5.63833G	59.15	68.20	-9.05	3.52	3	V	NaN	NaN	-
PK	5.69816G	72.57	103.84	-31.27	3.62	3	V	NaN	NaN	-
PK	5.71924G	89.21	110.59	-21.38	3.65	3	V	NaN	NaN	-
PK	5.72389G	91.87	119.67	-27.80	3.66	3	V	NaN	NaN	-
PK	5.73815G	115.17	Inf	-Inf	3.68	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX-BF

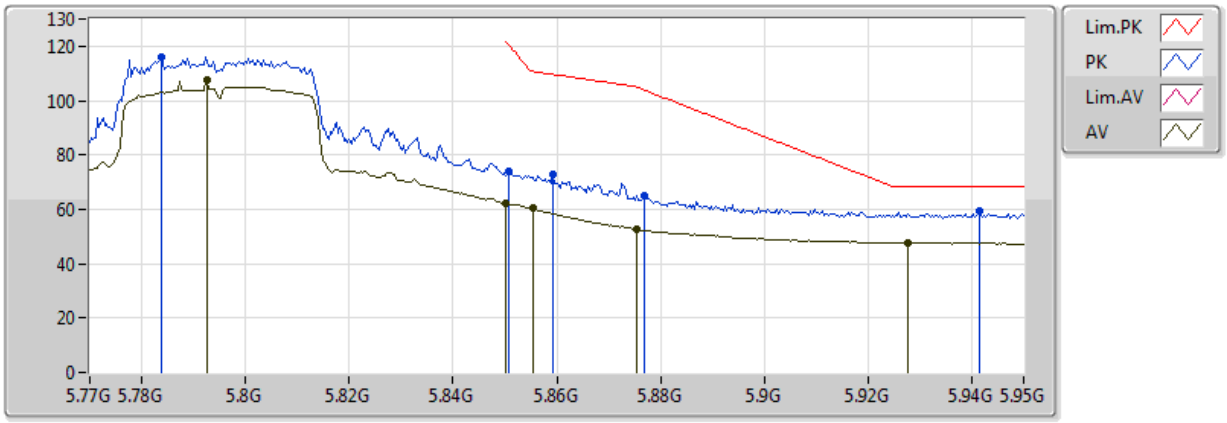


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.79268G	107.36	Inf	-Inf	3.76	3	V	NaN	NaN	-
AV	5.85028G	62.07	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.85532G	60.24	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.87548G	52.57	Inf	-Inf	3.90	3	V	NaN	NaN	-
AV	5.92768G	47.74	Inf	-Inf	3.98	3	V	NaN	NaN	-
PK	5.78368G	115.76	Inf	-Inf	3.75	3	V	NaN	NaN	-
PK	5.85064G	74.02	120.74	-46.72	3.86	3	V	NaN	NaN	-
PK	5.85928G	73.10	109.60	-36.50	3.87	3	V	NaN	NaN	-
PK	5.87692G	65.03	103.78	-38.75	3.90	3	V	NaN	NaN	-
PK	5.94136G	59.18	68.20	-9.02	4.00	3	V	NaN	NaN	-
AV	7.726G	47.36	54.00	-6.64	9.16	3	H	NaN	NaN	-
AV	11.59G	44.65	54.00	-9.35	13.95	3	H	NaN	NaN	-
PK	7.726G	53.56	74.00	-20.44	9.16	3	H	NaN	NaN	-
PK	11.59G	55.45	74.00	-18.55	13.95	3	H	NaN	NaN	-
PK	17.385G	61.03	68.20	-7.17	19.73	3	H	NaN	NaN	-
AV	7.726G	49.76	54.00	-4.24	9.16	3	V	NaN	NaN	-
AV	11.59G	51.15	54.00	-2.85	13.95	3	V	NaN	NaN	-
PK	7.726G	55.78	74.00	-18.22	9.16	3	V	NaN	NaN	-
PK	11.59G	61.39	74.00	-12.61	13.95	3	V	NaN	NaN	-
PK	17.385G	61.93	68.20	-6.27	19.73	3	V	NaN	NaN	-

802.11ac VHT40-BF_Nss1,(MCS0)_2TX

5795MHz_TX-BF

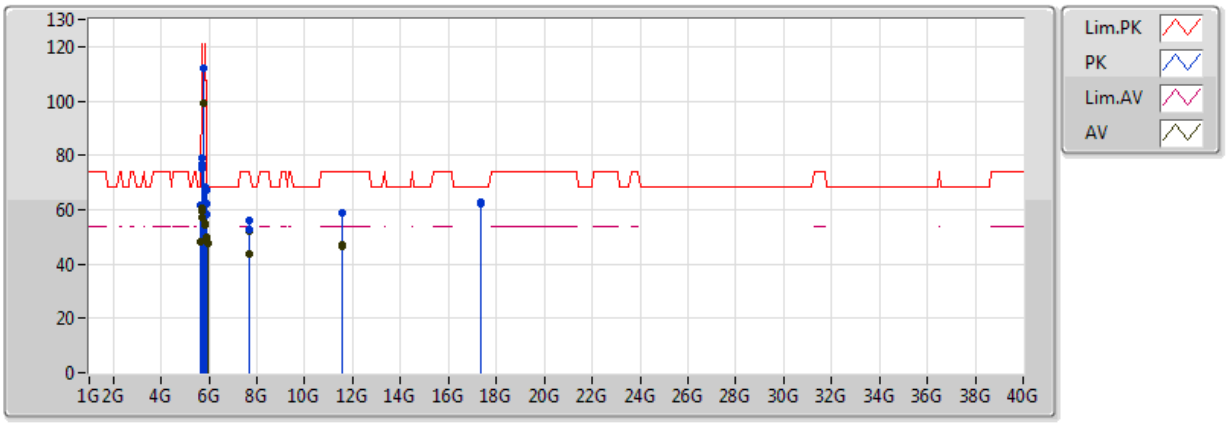


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.79268G	107.36	Inf	-Inf	3.76	3	V	NaN	NaN	-
AV	5.85028G	62.07	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.85532G	60.24	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.87548G	52.57	Inf	-Inf	3.90	3	V	NaN	NaN	-
AV	5.92768G	47.74	Inf	-Inf	3.98	3	V	NaN	NaN	-
PK	5.78368G	115.76	Inf	-Inf	3.75	3	V	NaN	NaN	-
PK	5.85064G	74.02	120.74	-46.72	3.86	3	V	NaN	NaN	-
PK	5.85928G	73.10	109.60	-36.50	3.87	3	V	NaN	NaN	-
PK	5.87692G	65.03	103.78	-38.75	3.90	3	V	NaN	NaN	-
PK	5.94136G	59.18	68.20	-9.02	4.00	3	V	NaN	NaN	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX-BF

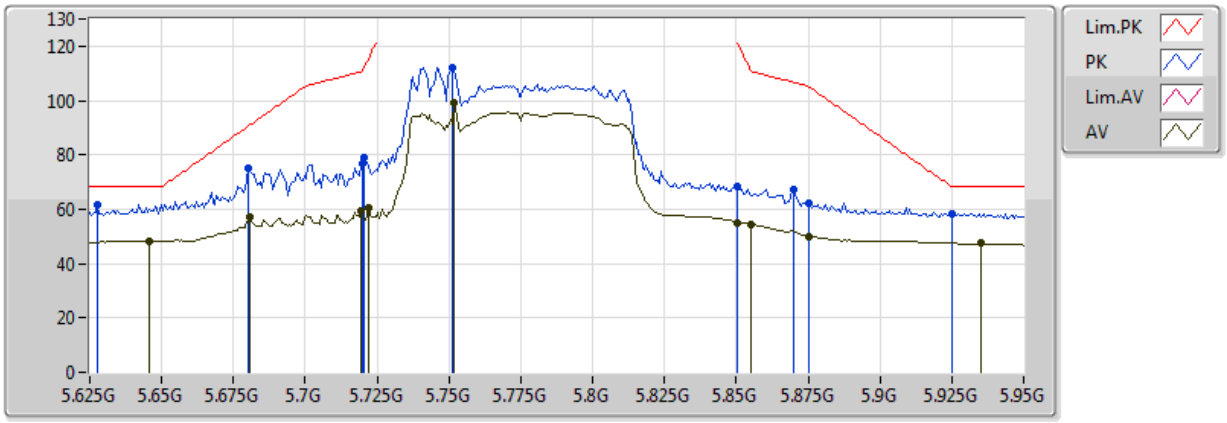


ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6458G	48.39	Inf	-Inf	3.53	3	V	NaN	NaN	-
AV	5.6809G	57.23	Inf	-Inf	3.59	3	V	NaN	NaN	-
AV	5.71925G	59.42	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72185G	60.24	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.75175G	99.02	Inf	-Inf	3.70	3	V	NaN	NaN	-
AV	5.85055G	55.18	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.8551G	54.53	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.87525G	50.02	Inf	-Inf	3.90	3	V	NaN	NaN	-
AV	5.93505G	47.50	Inf	-Inf	3.99	3	V	NaN	NaN	-
PK	5.6276G	61.76	68.20	-6.44	3.50	3	V	NaN	NaN	-
PK	5.68025G	74.82	90.59	-15.77	3.59	3	V	NaN	NaN	-
PK	5.7199G	76.97	110.77	-33.80	3.65	3	V	NaN	NaN	-
PK	5.72055G	78.99	112.05	-33.06	3.65	3	V	NaN	NaN	-
PK	5.7511G	112.07	Inf	-Inf	3.70	3	V	NaN	NaN	-
PK	5.85055G	68.12	120.95	-52.83	3.86	3	V	NaN	NaN	-
PK	5.87005G	67.49	106.59	-39.10	3.89	3	V	NaN	NaN	-
PK	5.87525G	62.23	105.02	-42.79	3.90	3	V	NaN	NaN	-
PK	5.9253G	58.35	68.20	-9.85	3.98	3	V	NaN	NaN	-
AV	7.7G	43.62	54.00	-10.38	9.12	3	H	NaN	NaN	-
AV	11.55G	46.64	54.00	-7.36	13.99	3	H	NaN	NaN	-
PK	7.7G	52.72	74.00	-21.28	9.12	3	H	NaN	NaN	-
PK	11.55G	58.76	74.00	-15.24	13.99	3	H	NaN	NaN	-
PK	17.325G	62.93	68.20	-5.27	18.76	3	H	NaN	NaN	-
AV	7.7G	52.12	54.00	-1.88	9.12	3	V	NaN	NaN	-
AV	11.55G	46.96	54.00	-7.04	13.99	3	V	NaN	NaN	-
PK	7.7G	56.22	74.00	-17.78	9.12	3	V	NaN	NaN	-
PK	11.55G	58.88	74.00	-15.12	13.99	3	V	NaN	NaN	-
PK	17.325G	62.18	68.20	-6.02	18.76	3	V	NaN	NaN	-

802.11ac VHT80-BF_Nss1,(MCS0)_2TX

5775MHz_TX-BF



ANT = A+B
EUT = X axis ; ANT = Z axis

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.6458G	48.39	Inf	-Inf	3.53	3	V	NaN	NaN	-
AV	5.6809G	57.23	Inf	-Inf	3.59	3	V	NaN	NaN	-
AV	5.71925G	59.42	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.72185G	60.24	Inf	-Inf	3.65	3	V	NaN	NaN	-
AV	5.75175G	99.02	Inf	-Inf	3.70	3	V	NaN	NaN	-
AV	5.85055G	55.18	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.8551G	54.53	Inf	-Inf	3.86	3	V	NaN	NaN	-
AV	5.87525G	50.02	Inf	-Inf	3.90	3	V	NaN	NaN	-
AV	5.93505G	47.50	Inf	-Inf	3.99	3	V	NaN	NaN	-
PK	5.6276G	61.76	68.20	-6.44	3.50	3	V	NaN	NaN	-
PK	5.68025G	74.82	90.59	-15.77	3.59	3	V	NaN	NaN	-
PK	5.7199G	76.97	110.77	-33.80	3.65	3	V	NaN	NaN	-
PK	5.72055G	78.99	112.05	-33.06	3.65	3	V	NaN	NaN	-
PK	5.7511G	112.07	Inf	-Inf	3.70	3	V	NaN	NaN	-
PK	5.85055G	68.12	120.95	-52.83	3.86	3	V	NaN	NaN	-
PK	5.87005G	67.49	106.59	-39.10	3.89	3	V	NaN	NaN	-
PK	5.87525G	62.23	105.02	-42.79	3.90	3	V	NaN	NaN	-
PK	5.9253G	58.35	68.20	-9.85	3.98	3	V	NaN	NaN	-