

FCC Test Report

Equipment : C2 Wi-Fi Camera
Brand Name : Honeywell
Model No. : CHCC2
FCC ID : CFS8DLCHCC2
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant : Ademco Inc.
2 Corporate Center Drive, Suite 100, Melville,
New York 11747 United States
Manufacturer : EDIMAX TECHNOLOGY CO., LTD.
No.278, Xinhua 1st Rd., Neihu Dist., Taipei City, Taiwan
Function : ☐ Outdoor; ☒ Indoor; ☐ Fixed P2P
☐ Client
TPC Function : w/o TPC

The product sample received on May 23, 2017 and completely tested on Jun. 15, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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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

Declaration of Conformity:

The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

Comments and explanations:

None



Revision History

[illegible]

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	11a	20	1TX
5.725-5.85GHz	11a	20	1TX
5.15-5.25GHz	HT20	20	1TX
5.725-5.85GHz	HT20	20	1TX
5.15-5.25GHz	HT40	40	1TX
5.725-5.85GHz	HT40	40	1TX
5.15-5.25GHz	VHT20	20	1TX
5.725-5.85GHz	VHT20	20	1TX
5.15-5.25GHz	VHT40	40	1TX
5.725-5.85GHz	VHT40	40	1TX
5.15-5.25GHz	VHT80	80	1TX
5.725-5.85GHz	VHT80	80	1TX

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	Gain (dBi)
1	1	LYNwave	ALX17F-222XX2=00	PCB	I-PEX	3.01

1.1.3 EUT Information

Operational Condition			
EUT Power Type		From AC 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) $\geq 1/T$
11a	0.998	0.009	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT20	0.997	0.013	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT40	0.998	0.009	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT80	0.992	0.035	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

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

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Ryan	21.8°C / 65%	12/Jun/2017
Radiated	03CH09-HY	Terry	20.7°C / 57%	10/Jun/2017
AC Conduction	CO04-HY	Teddy	22°C / 60%	15/Jun/2017

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Condition

Freq. Stability	Abbreviation	Remark
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
138V	-	-
120V	-	-
102V	-	-

2.3 Test Channel Mode

Test Software Version	MP_TEST RTL819X3.4
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Mode	Power Setting
11a_Nss1_1TX	-
5180MHz	63
5200MHz	63
5240MHz	63
5745MHz	63
5785MHz	63
5825MHz	63
VHT20_Nss1_1TX	-
5180MHz	63
5200MHz	63
5240MHz	63
5745MHz	63
5785MHz	63
5825MHz	63
VHT40_Nss1_1TX	-
5190MHz	54
5230MHz	63
5755MHz	63
5795MHz	63
VHT80_Nss1_1TX	-
5210MHz	56
5775MHz	63

2.4 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link
1	EUT standing + Adapter with Extend Cable; WiFi 2.4G Link ; Micro SD R/W
2	EUT standing + Adapter with Extend Cable; WiFi 5G Link ; Micro SD R/W
3	EUT standing + USB with Extend Cable; WiFi 5G Link ; Micro SD R/W
For operating mode 3 is the worst case and it was record in this test report.	

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	Normal Link	
1	EUT standing + Adapter with Extend Cable; WiFi 2.4G Link ; Micro SD R/W	
2	EUT standing + Adapter with Extend Cable; WiFi 5G Link ; Micro SD R/W	
3	EUT laying + Adapter with Extend Cable; WiFi 2.4G Link ; Micro SD R/W	
4	EUT standing + USB with Extend Cable; WiFi 2.4G Link ; Micro SD R/W	
Operating Mode > 1GHz	CTX	
Orthogonal Planes of EUT	Y Plane	Z Plane
		
Worst Planes of EUT	V	

2.5 Accessories

Accessories				
AC Adapter	Brand Name	APD	Model Name	WB-10E05FU
	Power Rating	I/P: 100-240Vac, 50-60Hz, 0.4A, O/P: 5Vdc, 2A		
	Power Cord	1.8meter, non-shielded cable, w/o ferrite core		
USB Cable	Brand Name	-	Model Name	-
	Power Cord	1.8meter, non-shielded cable, w/o ferrite core		
Stand	Brand Name	-	Model Name	-
USB Extend Cable	Brand Name	-	Model Name	-
	Power Cord	2.75meter, non-shielded cable, w/o ferrite core		

2.6 Support Equipment

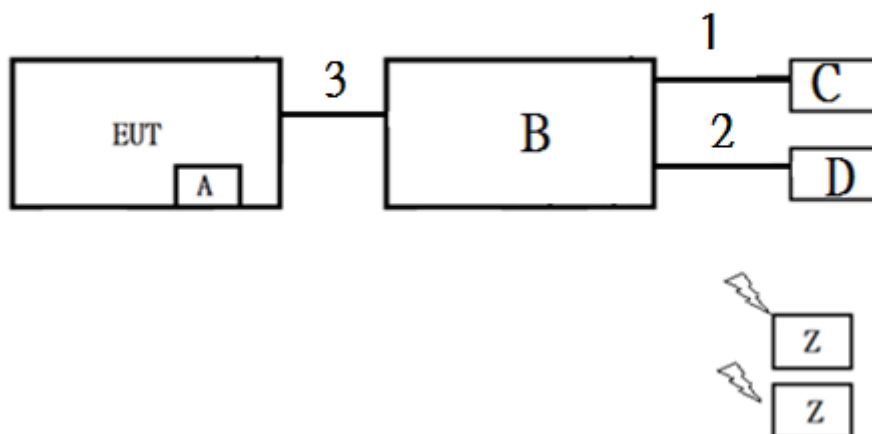
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Power source	-	-	-

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook(remote)	DELL	E6400	R33002
2	AC adapter for NB	DELL	LA65NS2-01	-
3	IPad(remote)	APPLE	-	-

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	SD Card	Transcend	8GB	DoC
2	Notebook	Dell	E5430	-
3	Mouse	Microsoft	1113	DoC
4	iPod nano	Apple	A1199	DoC
5	Notebook*2(remote)	DELL	P55G	DoC

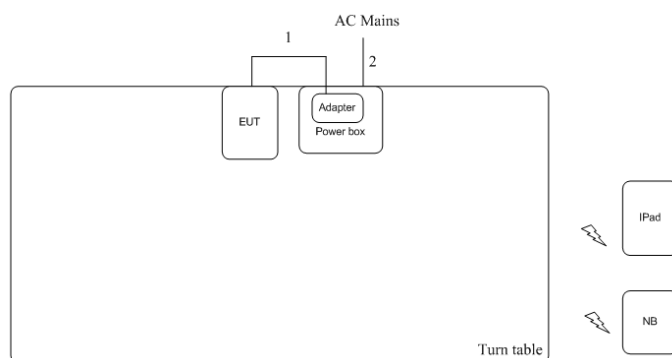
2.7 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test

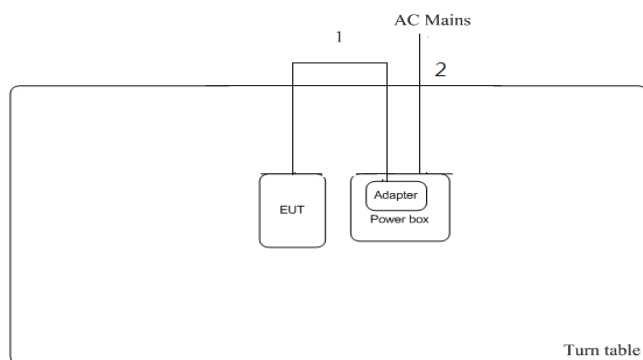


Item	Location Peripheral	Brand	Model
A	SD Card	Transcend	8GB
B	Notebook	Dell	E5430
C	Mouse	Microsoft	1113
D	iPod nano	Apple	A1199
Z	Notebook*2	DELL	P55G

Item	Connection	Shielded	Length
1	USB Cable	AL-F-Shielded	1.8m
2	USB Cable	B-Shielded	1m
3	USB Cable	Non-Shielded	2.75m

Test Setup Diagram - Radiated Test <1G


Item	Connection	Shielded	Length
1	USB Cable	D	4.6m
2	AC Power line	No	1.8m

Test Setup Diagram - Radiated Test >1G


Item	Connection	Shielded	Length
1	USB Cable	D	4.6m
2	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.

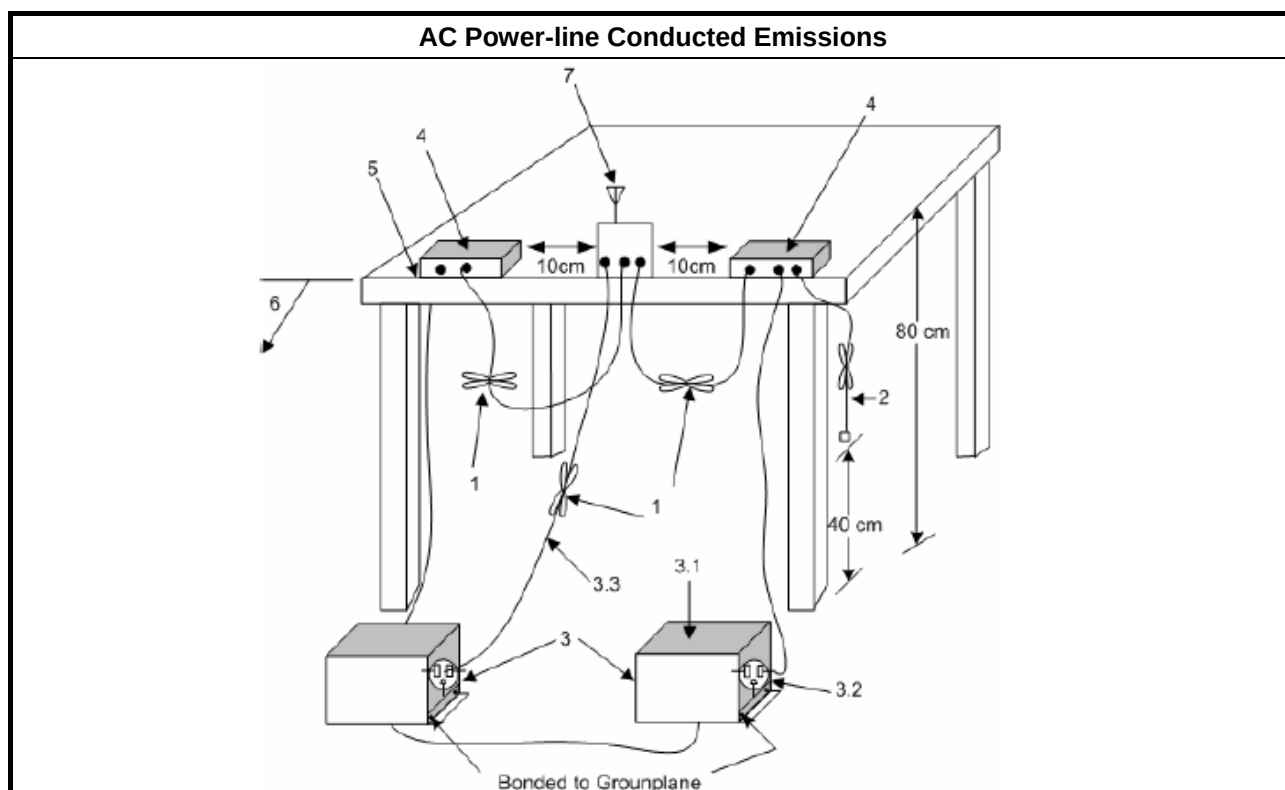
3.1.2 Measuring Instruments

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



3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

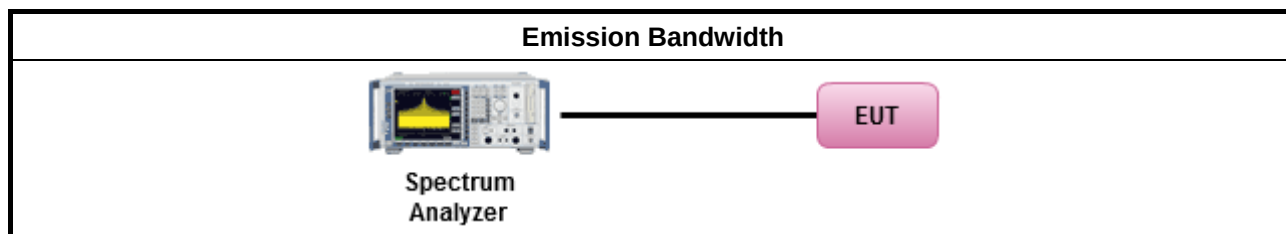
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

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.	

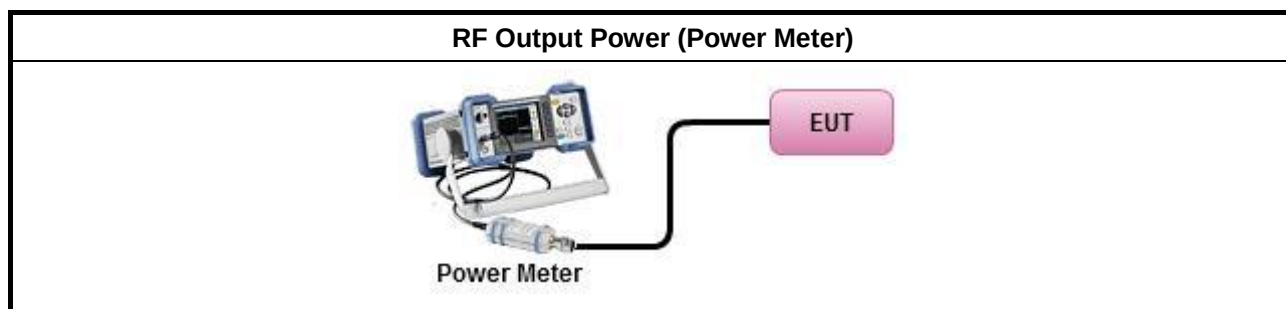
3.3.2 Measuring Instruments

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 $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$	

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

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.	

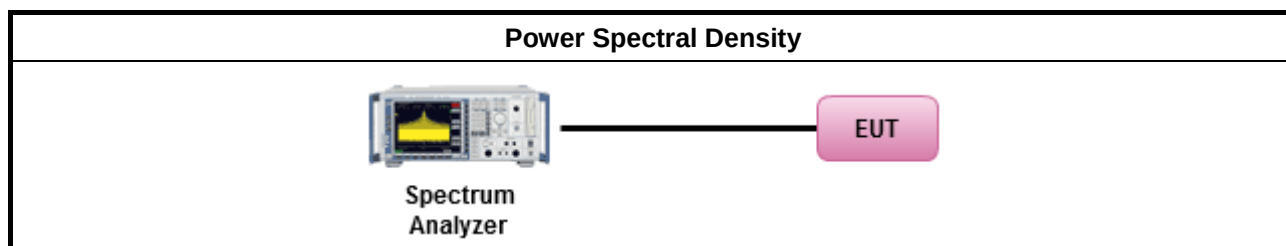
3.4.2 Measuring Instruments

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

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

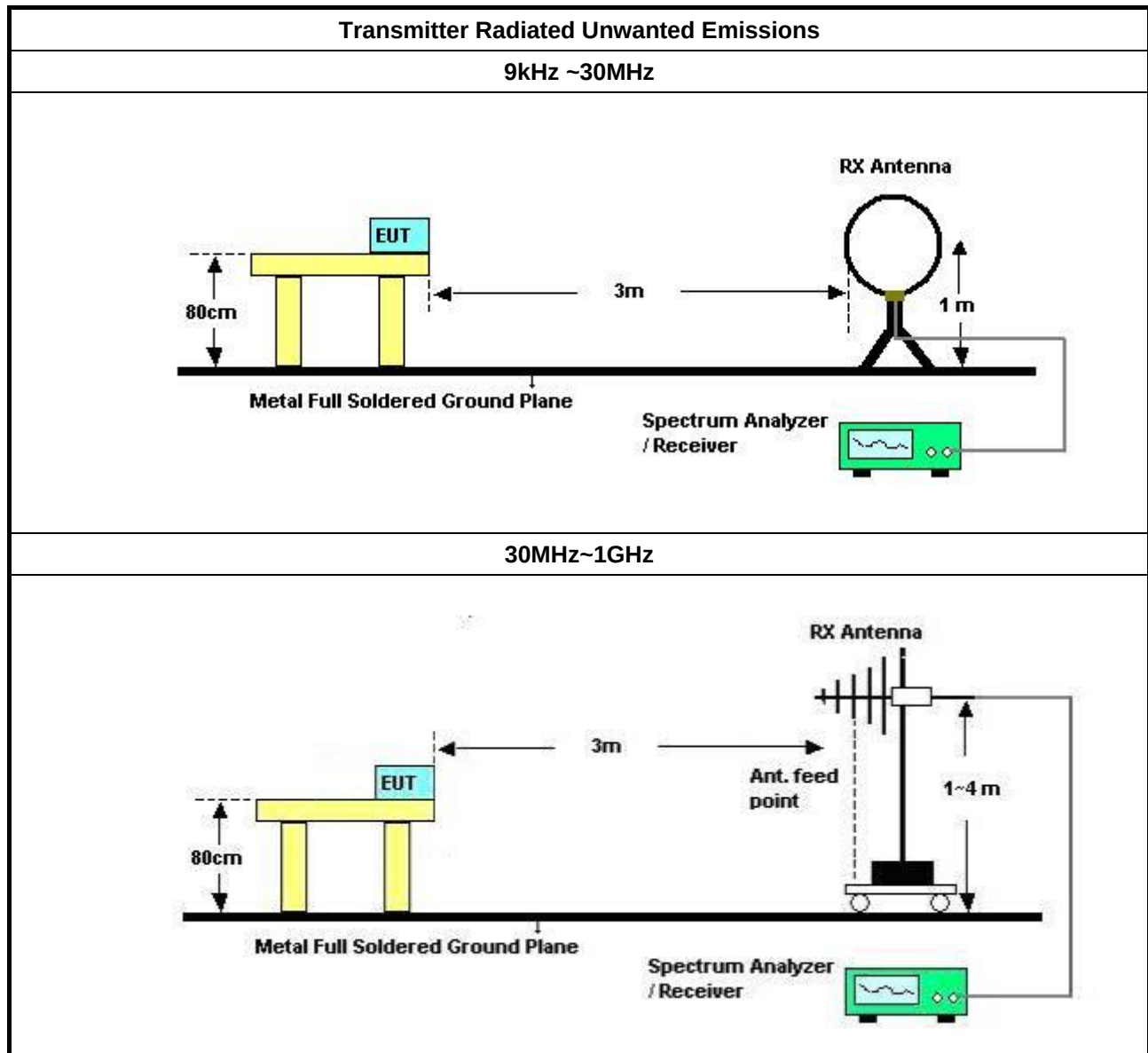
3.5.2 Measuring Instruments

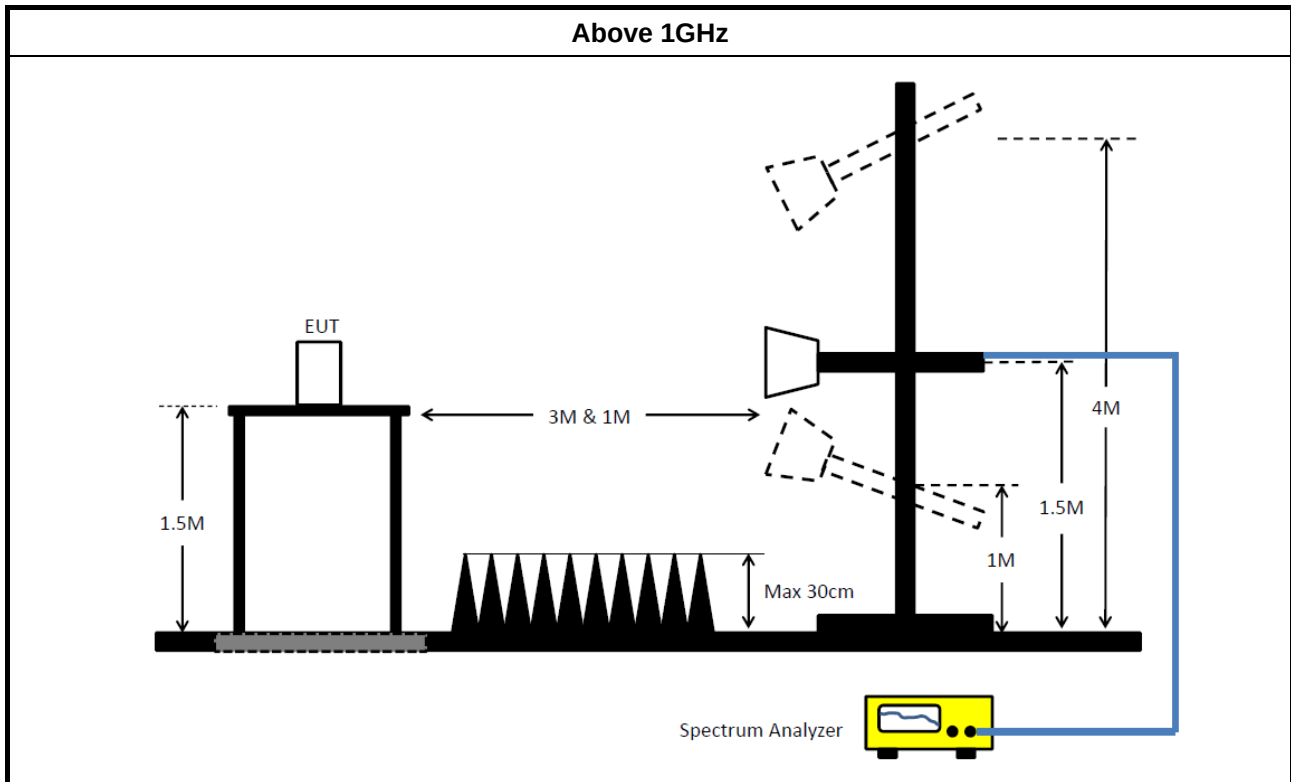
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.6 Test Result of Transmitter Unwanted Emissions

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.	

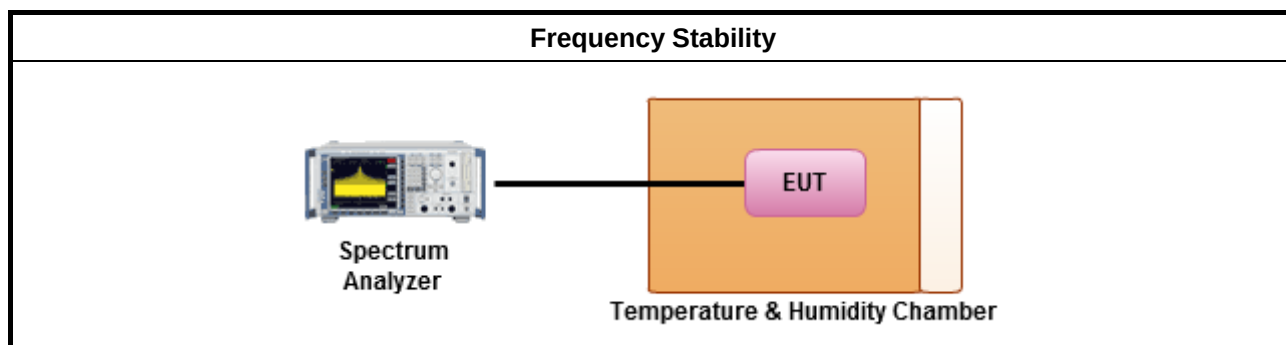
3.6.2 Measuring Instruments

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



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	102051	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	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	19/Oct/2017

Instrument for Radiated Test Below 1G

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/2017	24/Apr/2018
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	25/Apr/2017	24/Apr/2018
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
Loop Antenna	R&S	HFH2-Z2	100330	9 kHz~30 MHz	10/Nov/2016	09/Nov/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	23/Jul/2016	22/Jul/2017

Instrument for Radiated Test Above 1G

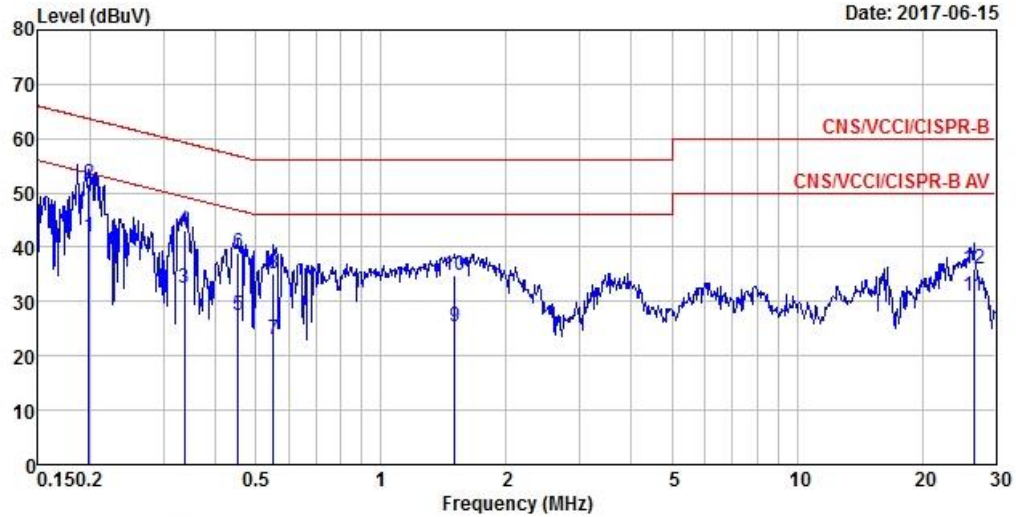
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	21/Jun/2016	20/Jun/2017
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	25/Apr/2017	24/Apr/2018
Spectrum Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	04/Jul/2016	03/Jul/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA9120D 1534	1GHz~18GHz	28/Apr/2017	27/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA917061 4	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	EMC INSTRUMENTS	EMC184045B & PE7005-6	980192	18GHz ~ 40GHz	24/Aug/2016	23/Aug/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	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	21/Jul/2016	20/Jul/2017
Temp. and Humidity Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20 ~ 100℃	10/May/2017	09/May/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

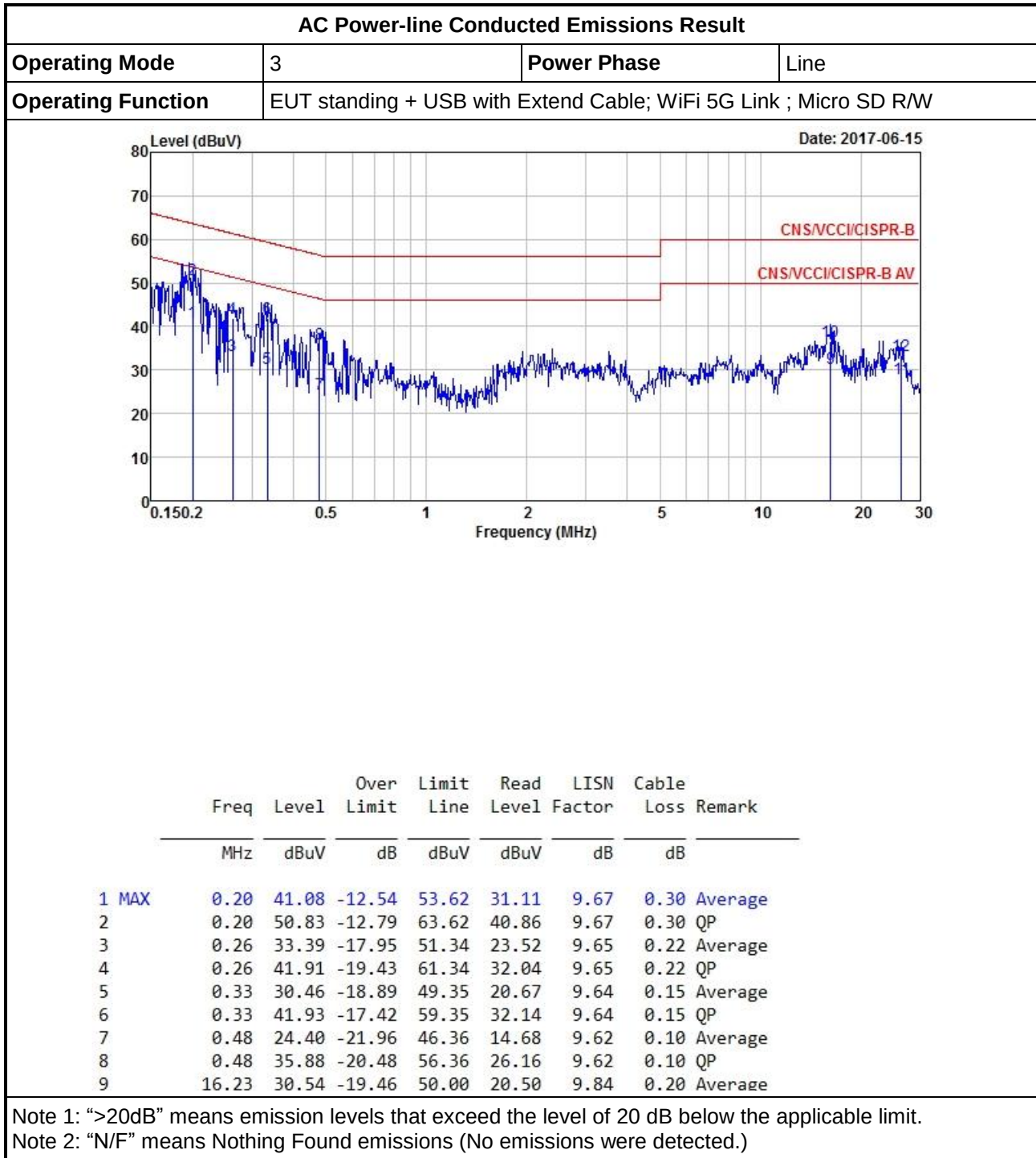
AC Power-line Conducted Emissions Result

Operating Mode	3	Power Phase	Neutral
Operating Function	EUT standing + USB with Extend Cable; WiFi 5G Link ; Micro SD R/W		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1 MAX	0.20	41.84	-11.83	53.67	31.89	9.65	0.30	Average
2	0.20	51.54	-12.13	63.67	41.59	9.65	0.30	QP
3	0.34	32.60	-16.67	49.27	22.78	9.67	0.15	Average
4	0.34	43.19	-16.08	59.27	33.37	9.67	0.15	QP
5	0.45	27.34	-19.46	46.80	17.57	9.67	0.10	Average
6	0.45	39.00	-17.80	56.80	29.23	9.67	0.10	QP
7	0.55	23.10	-22.90	46.00	13.34	9.66	0.10	Average
8	0.55	35.17	-20.83	56.00	25.41	9.66	0.10	QP
9	1.50	25.26	-20.74	46.00	15.32	9.72	0.22	Average

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



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
11a_Nss1_1TX	-	-	-	-	-
5.15-5.25GHz	47.025M	28.586M	28M6D1D	42.3M	17.891M
5.725-5.85GHz	16.45M	22.789M	22M8D1D	16.425M	22.214M
VHT20_Nss1_1TX	-	-	-	-	-
5.15-5.25GHz	49.125M	29.36M	29M4D1D	45M	19.415M
5.725-5.85GHz	17.675M	23.513M	23M5D1D	17.65M	22.064M
VHT40_Nss1_1TX	-	-	-	-	-
5.15-5.25GHz	97M	43.628M	43M6D1D	89.65M	39.23M
5.725-5.85GHz	36.4M	48.576M	48M6D1D	36.35M	36.182M
VHT80_Nss1_1TX	-	-	-	-	-
5.15-5.25GHz	158.8M	77.161M	77M2D1D	158.8M	77.161M
5.725-5.85GHz	76M	93.653M	93M7D1D	76M	93.653M

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;

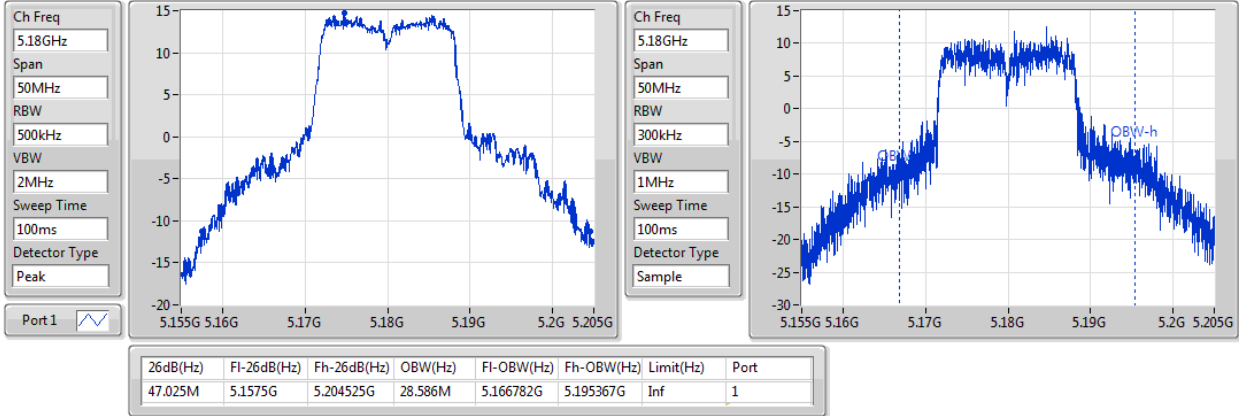
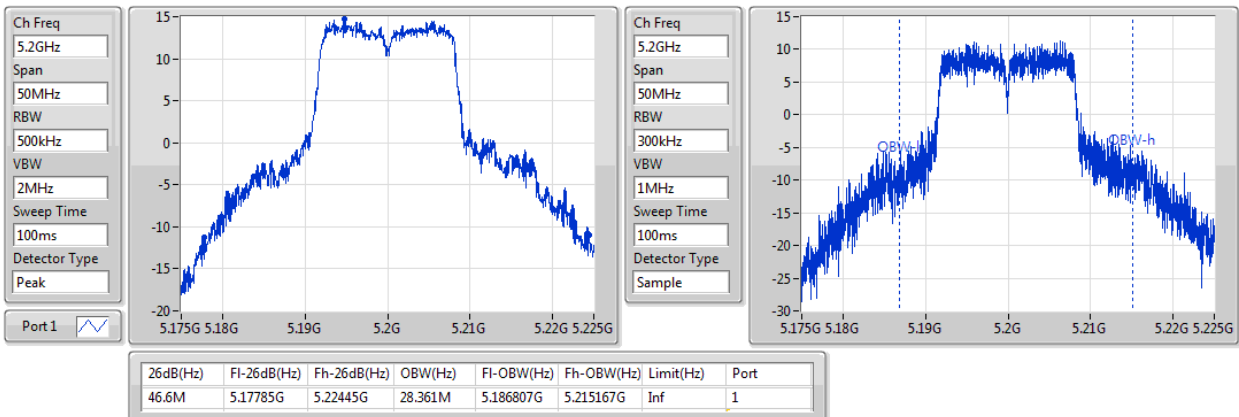
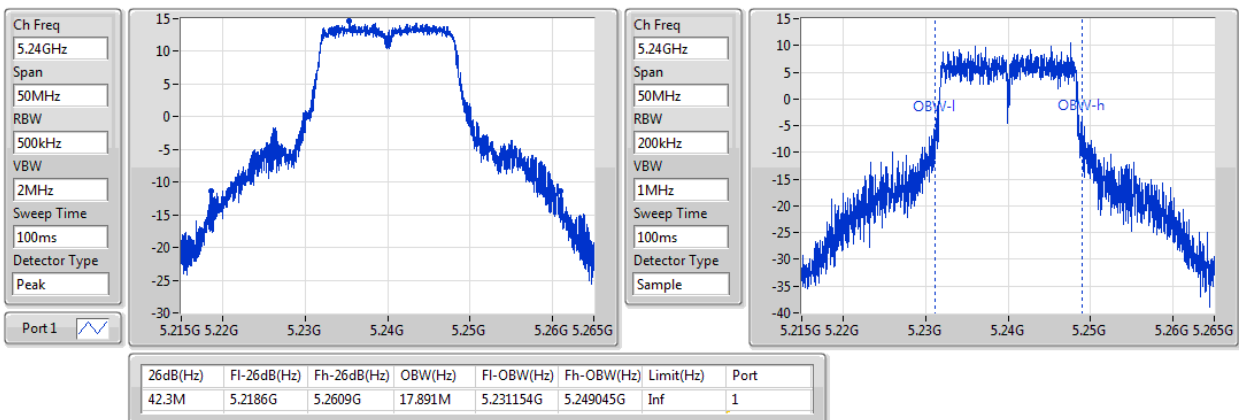
Min-OBW = Minimum 99% occupied bandwidth;

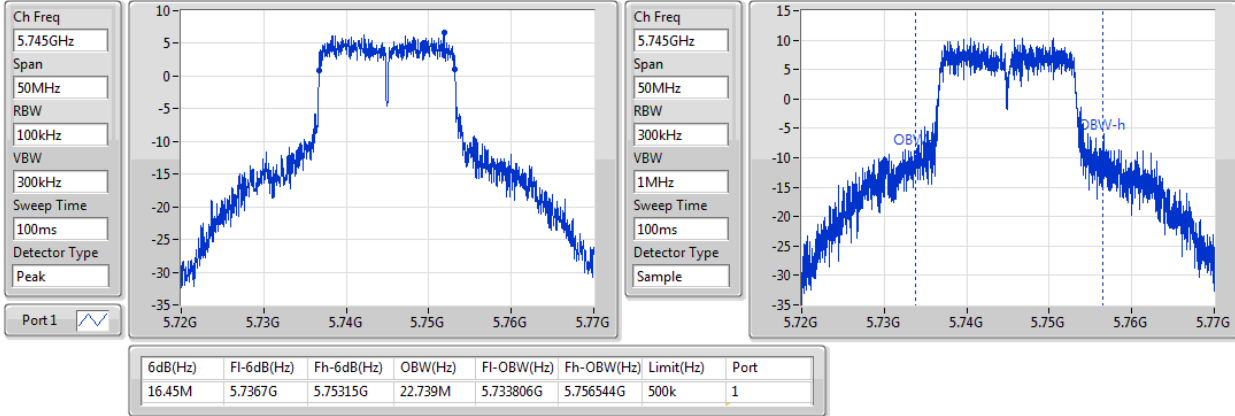
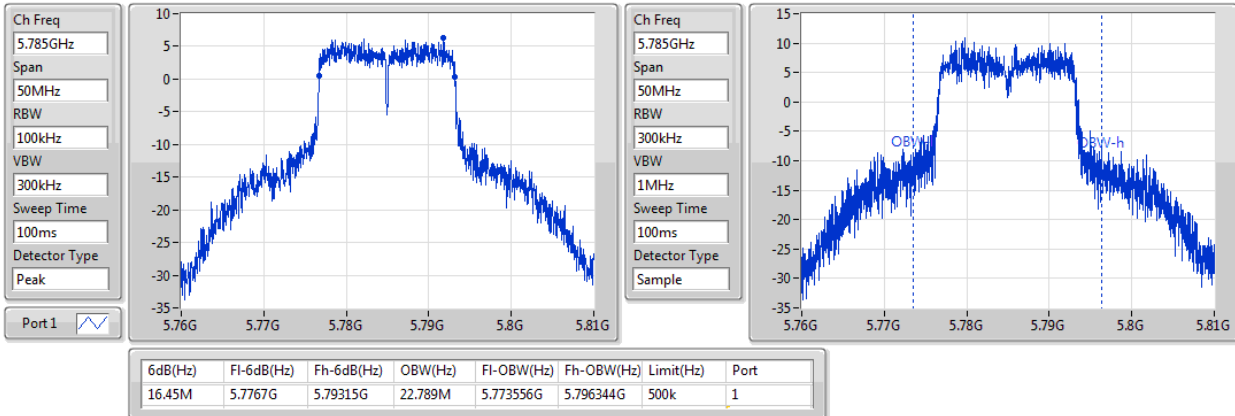
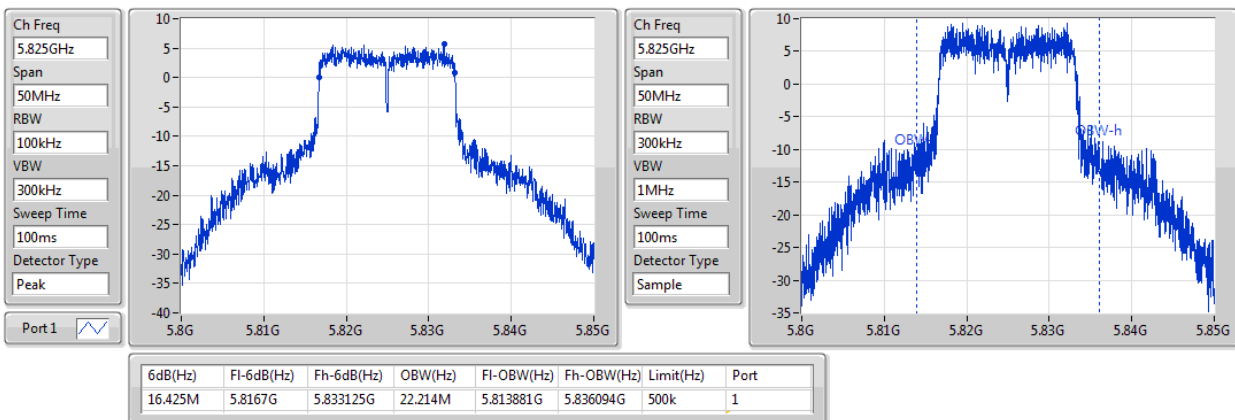
Result

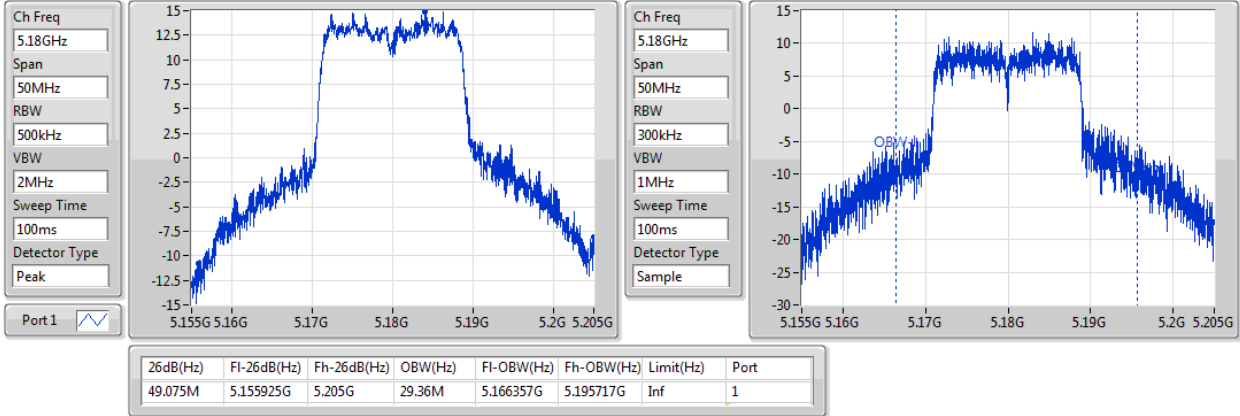
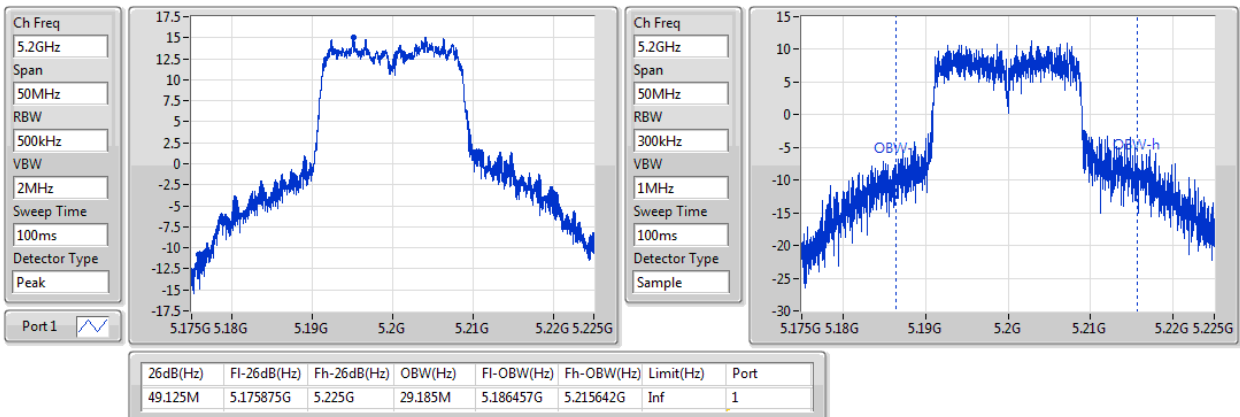
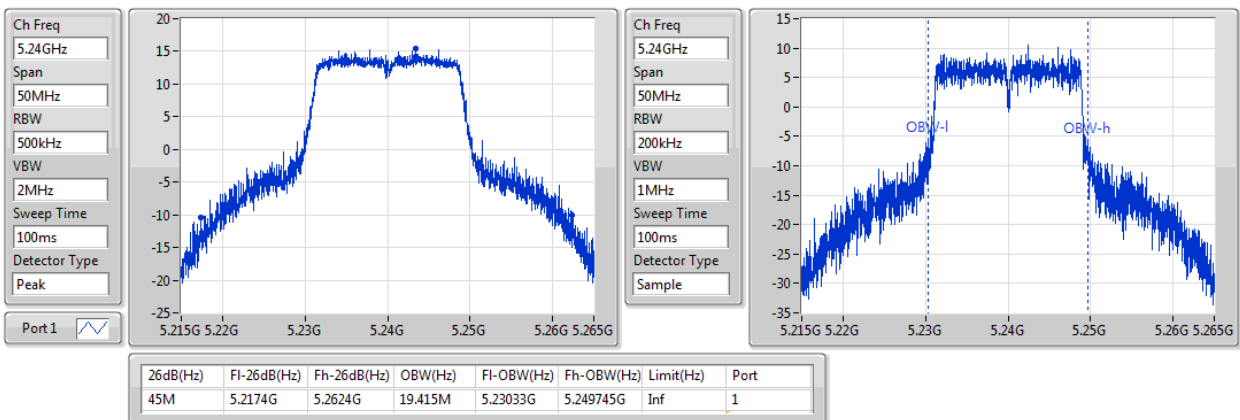
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
11a_Nss1_1TX	-	-	-	-
5180MHz	Pass	Inf	47.025M	28.586M
5200MHz	Pass	Inf	46.6M	28.361M
5240MHz	Pass	Inf	42.3M	17.891M
5745MHz	Pass	500k	16.45M	22.739M
5785MHz	Pass	500k	16.45M	22.789M
5825MHz	Pass	500k	16.425M	22.214M
VHT20_Nss1_1TX	-	-	-	-
5180MHz	Pass	Inf	49.075M	29.36M
5200MHz	Pass	Inf	49.125M	29.185M
5240MHz	Pass	Inf	45M	19.415M
5745MHz	Pass	500k	17.675M	23.213M
5785MHz	Pass	500k	17.675M	23.513M
5825MHz	Pass	500k	17.65M	22.064M
VHT40_Nss1_1TX	-	-	-	-
5190MHz	Pass	Inf	89.65M	43.628M
5230MHz	Pass	Inf	97M	39.23M
5755MHz	Pass	500k	36.35M	36.182M
5795MHz	Pass	500k	36.4M	48.576M
VHT80_Nss1_1TX	-	-	-	-
5210MHz	Pass	Inf	158.8M	77.161M
5775MHz	Pass	500k	76M	93.653M

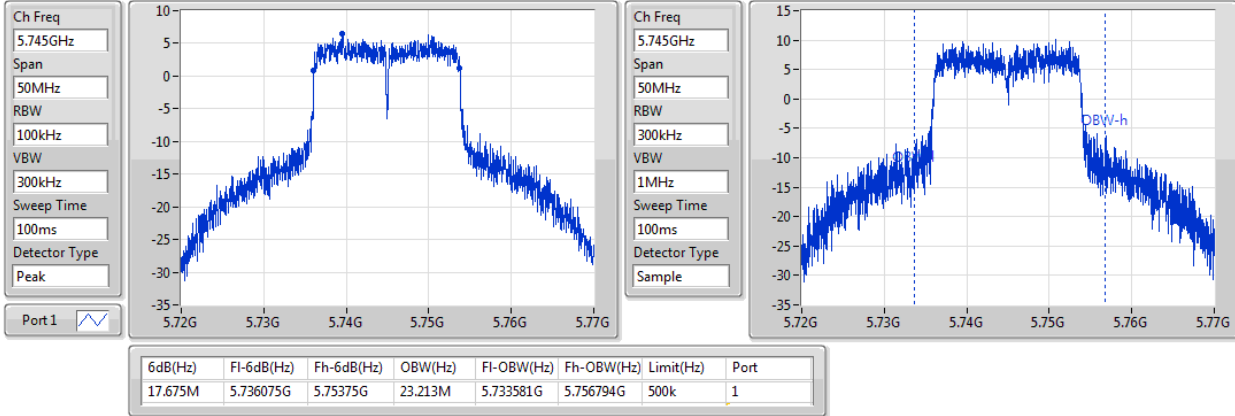
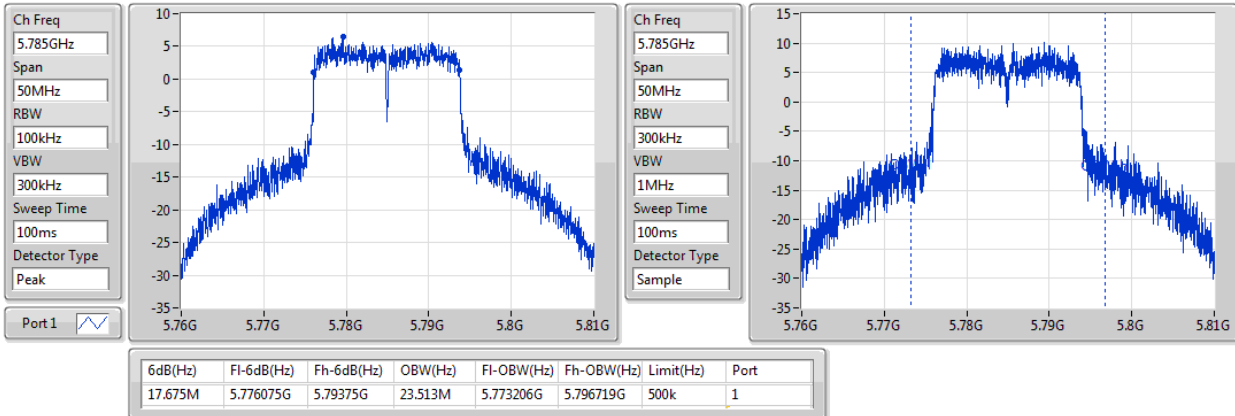
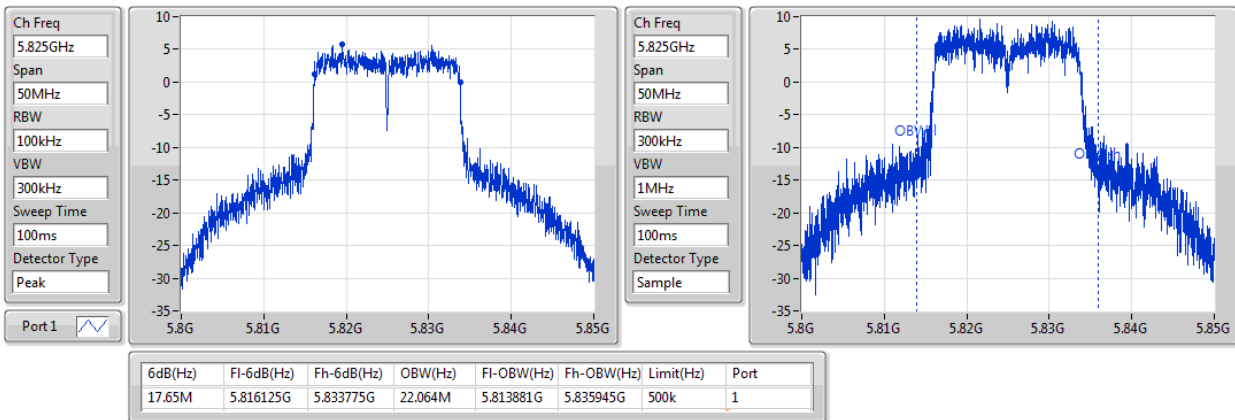
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

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

11a_Nss1_1TX
EBW
5180MHz

11a_Nss1_1TX
EBW
5200MHz

11a_Nss1_1TX
EBW
5240MHz


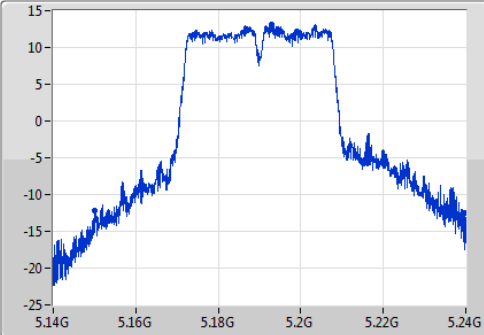
11a_Nss1_1TX
EBW
5745MHz

11a_Nss1_1TX
EBW
5785MHz

11a_Nss1_1TX
EBW
5825MHz


VHT20_Nss1_1TX
EBW
5180MHz

VHT20_Nss1_1TX
EBW
5200MHz

VHT20_Nss1_1TX
EBW
5240MHz


VHT20_Nss1_1TX
EBW
5745MHz

VHT20_Nss1_1TX
EBW
5785MHz

VHT20_Nss1_1TX
EBW
5825MHz


VHT40_Nss1_1TX
EBW
5190MHz

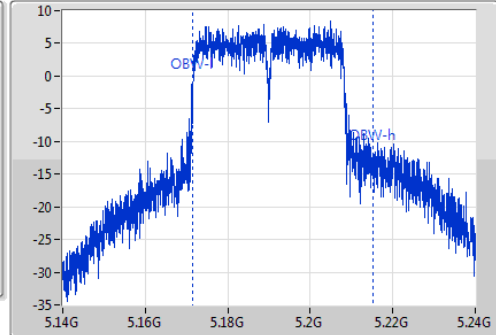
Ch Freq
5.19GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



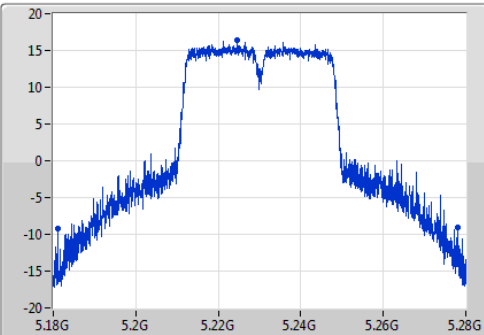
Port1

26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.65M	5.15005G	5.2397G	43.628M	5.171559G	5.215187G	Inf	1

Ch Freq
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample


VHT40_Nss1_1TX
EBW
5230MHz

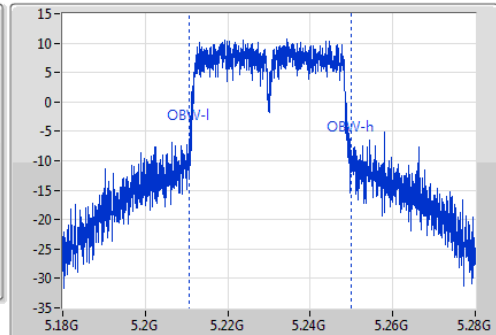
Ch Freq
5.23GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



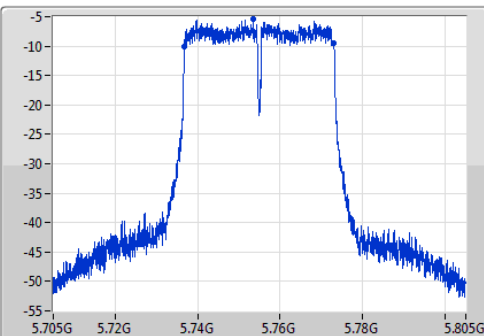
Port1

26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
97M	5.1811G	5.2781G	39.23M	5.21061G	5.24984G	Inf	1

Ch Freq
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample


VHT40_Nss1_1TX
EBW
5755MHz

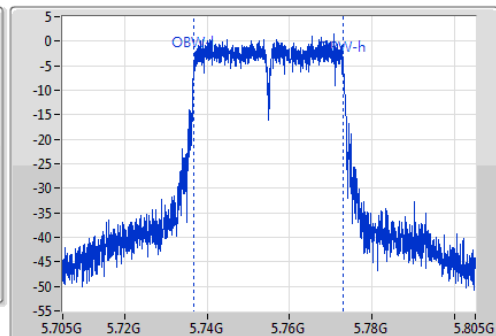
Ch Freq
5.755GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

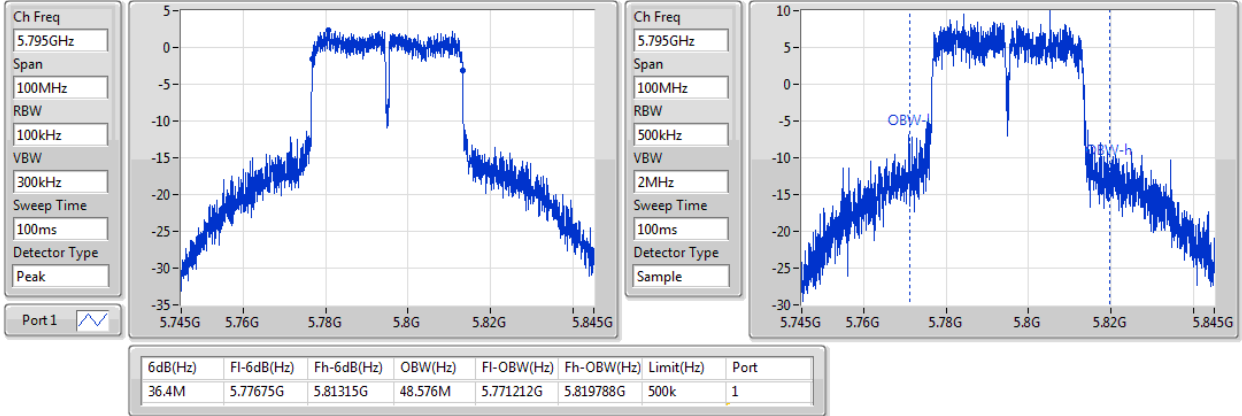
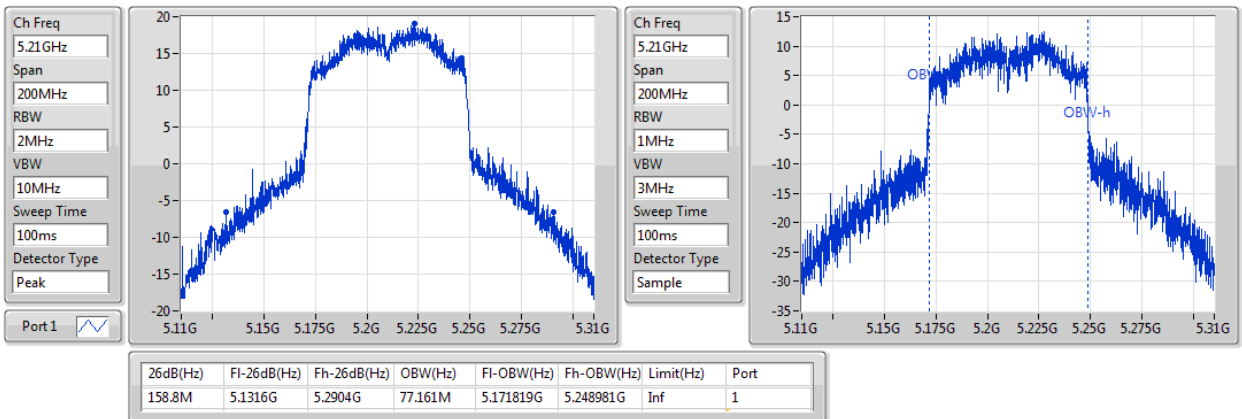
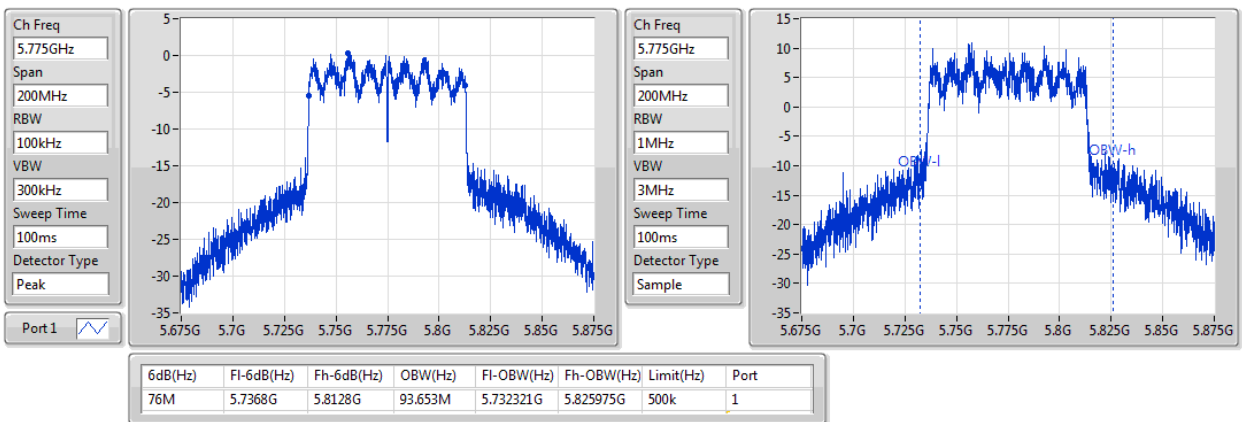


Port1

6dB(Hz)	FI-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	5.73675G	5.7731G	36.182M	5.736809G	5.772991G	500k	1

Ch Freq
5.755GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



VHT40_Nss1_1TX
EBW
5795MHz

VHT80_Nss1_1TX
EBW
5210MHz

VHT80_Nss1_1TX
EBW
5775MHz


Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
11a_Nss1_1TX	-	-	-	-
5.15-5.25GHz	21.10	0.12882	24.11	0.25763
5.725-5.85GHz	20.01	0.10023	23.02	0.20045
VHT20_Nss1_1TX	-	-	-	-
5.15-5.25GHz	21.08	0.12823	24.09	0.25645
5.725-5.85GHz	19.95	0.09886	22.96	0.19770
VHT40_Nss1_1TX	-	-	-	-
5.15-5.25GHz	21.24	0.13305	24.25	0.26607
5.725-5.85GHz	19.88	0.09727	22.89	0.19454
VHT80_Nss1_1TX	-	-	-	-
5.15-5.25GHz	18.86	0.07691	21.87	0.15382
5.725-5.85GHz	19.51	0.08933	22.52	0.17865

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
11a_Nss1_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.01	20.96	20.96	30.00	23.97	36.00
5200MHz	Pass	3.01	21.01	21.01	30.00	24.02	36.00
5240MHz	Pass	3.01	21.10	21.10	30.00	24.11	36.00
5745MHz	Pass	3.01	20.01	20.01	30.00	23.02	36.00
5785MHz	Pass	3.01	19.97	19.97	30.00	22.98	36.00
5825MHz	Pass	3.01	19.57	19.57	30.00	22.58	36.00
VHT20_Nss1_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.01	20.85	20.85	30.00	23.86	36.00
5200MHz	Pass	3.01	20.95	20.95	30.00	23.96	36.00
5240MHz	Pass	3.01	21.08	21.08	30.00	24.09	36.00
5745MHz	Pass	3.01	19.95	19.95	30.00	22.96	36.00
5785MHz	Pass	3.01	19.92	19.92	30.00	22.93	36.00
5825MHz	Pass	3.01	19.54	19.54	30.00	22.55	36.00
VHT40_Nss1_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.01	18.60	18.60	30.00	21.61	36.00
5230MHz	Pass	3.01	21.24	21.24	30.00	24.25	36.00
5755MHz	Pass	3.01	11.87	11.87	30.00	14.88	36.00
5795MHz	Pass	3.01	19.88	19.88	30.00	22.89	36.00
VHT80_Nss1_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.01	18.86	18.86	30.00	21.87	36.00
5775MHz	Pass	3.01	19.51	19.51	30.00	22.52	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
11a_Nss1_1TX	-	-
5.15-5.25GHz	9.39	12.40
5.725-5.85GHz	6.63	9.64
VHT20_Nss1_1TX	-	-
5.15-5.25GHz	9.02	12.03
5.725-5.85GHz	6.34	9.35
VHT40_Nss1_1TX	-	-
5.15-5.25GHz	6.17	9.18
5.725-5.85GHz	2.93	5.94
VHT80_Nss1_1TX	-	-
5.15-5.25GHz	2.02	5.03
5.725-5.85GHz	0.93	3.94

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
11a_Nss1_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.01	9.12	9.12	17.00	12.13	Inf
5200MHz	Pass	3.01	9.10	9.10	17.00	12.11	Inf
5240MHz	Pass	3.01	9.39	9.39	17.00	12.40	Inf
5745MHz	Pass	3.01	6.63	6.63	30.00	9.64	Inf
5785MHz	Pass	3.01	6.43	6.43	30.00	9.44	Inf
5825MHz	Pass	3.01	5.70	5.70	30.00	8.71	Inf
VHT20_Nss1_1TX	-	-	-	-	-	-	-
5180MHz	Pass	3.01	8.77	8.77	17.00	11.78	Inf
5200MHz	Pass	3.01	8.99	8.99	17.00	12.00	Inf
5240MHz	Pass	3.01	9.02	9.02	17.00	12.03	Inf
5745MHz	Pass	3.01	6.34	6.34	30.00	9.35	Inf
5785MHz	Pass	3.01	6.13	6.13	30.00	9.14	Inf
5825MHz	Pass	3.01	5.55	5.55	30.00	8.56	Inf
VHT40_Nss1_1TX	-	-	-	-	-	-	-
5190MHz	Pass	3.01	3.45	3.45	17.00	6.46	Inf
5230MHz	Pass	3.01	6.17	6.17	17.00	9.18	Inf
5755MHz	Pass	3.01	-5.06	-5.06	30.00	-2.05	Inf
5795MHz	Pass	3.01	2.93	2.93	30.00	5.94	Inf
VHT80_Nss1_1TX	-	-	-	-	-	-	-
5210MHz	Pass	3.01	2.02	2.02	17.00	5.03	Inf
5775MHz	Pass	3.01	0.93	0.93	30.00	3.94	Inf

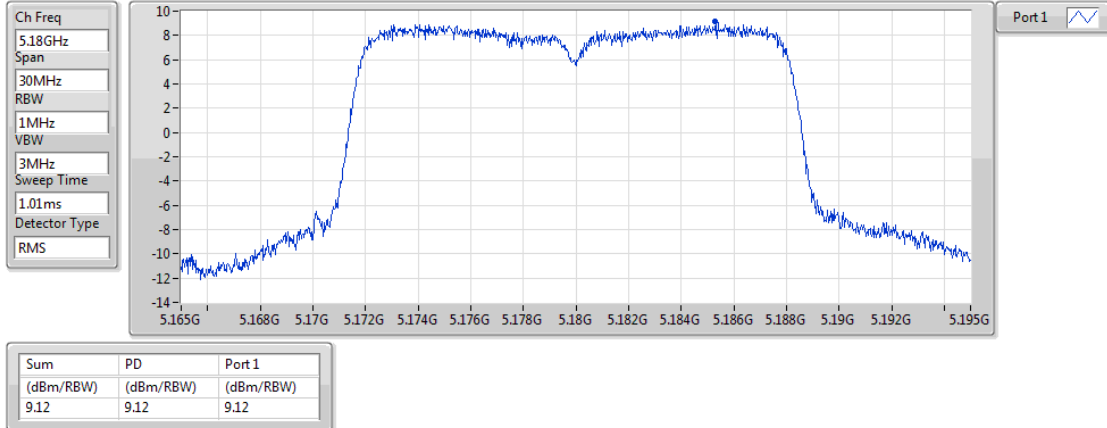
DG = Directional Gain; **RBW** = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

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

11a_Nss1_1TX

PSD

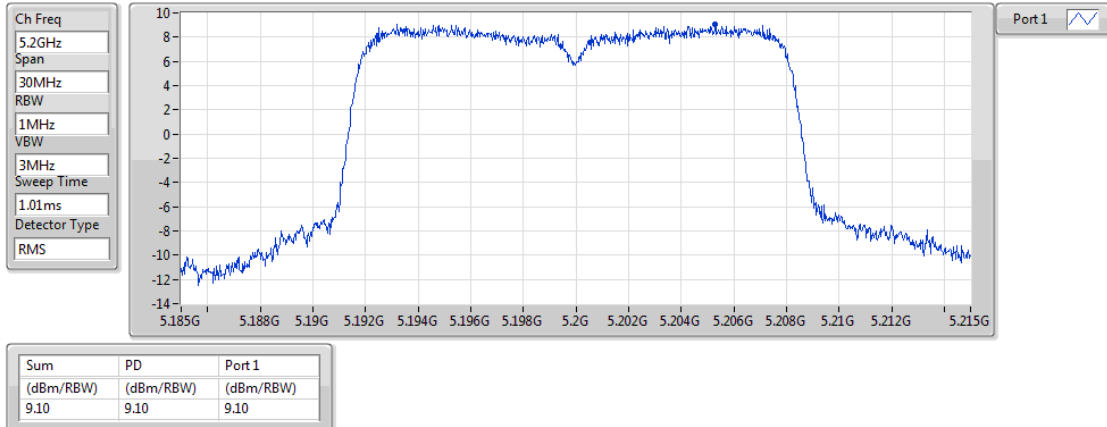
5180MHz



11a_Nss1_1TX

PSD

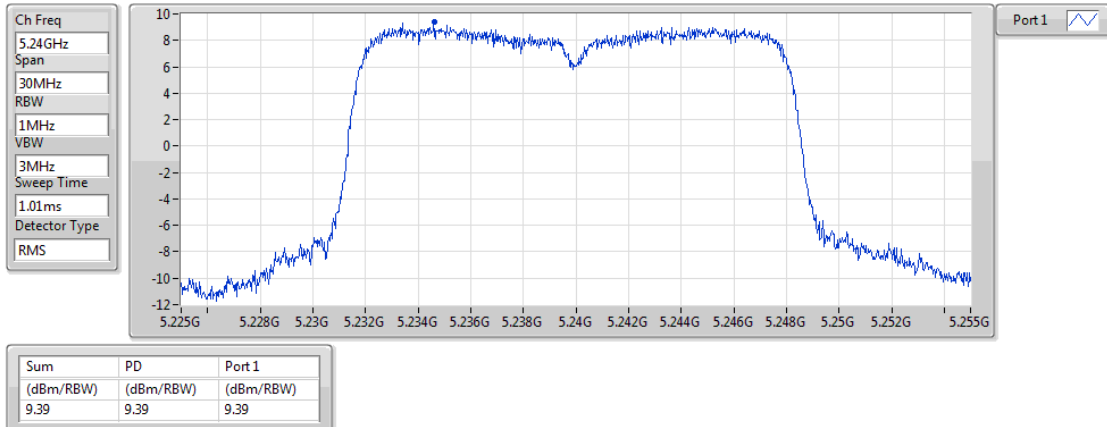
5200MHz



11a_Nss1_1TX

PSD

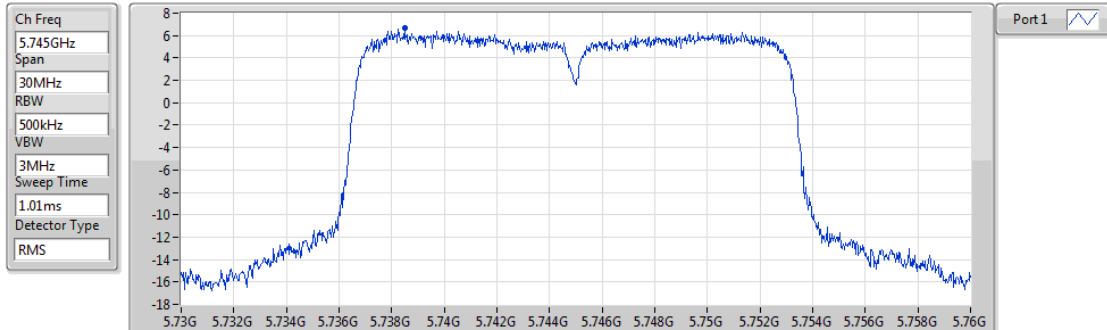
5240MHz



11a_Nss1_1TX

PSD

5745MHz

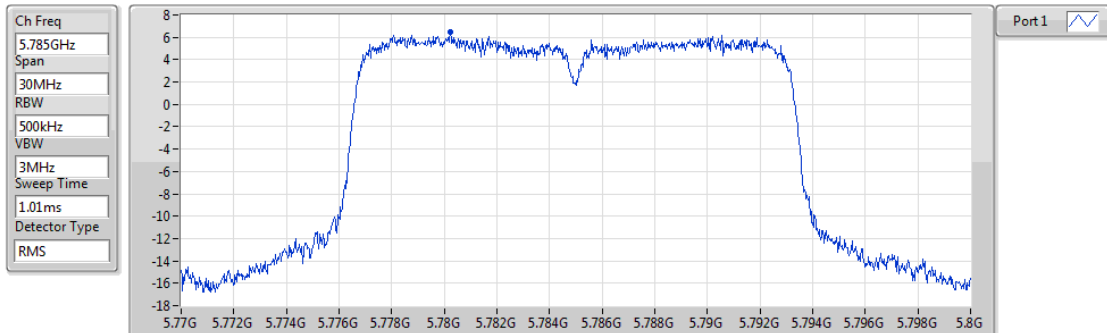


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.63	6.63	6.63

11a_Nss1_1TX

PSD

5785MHz

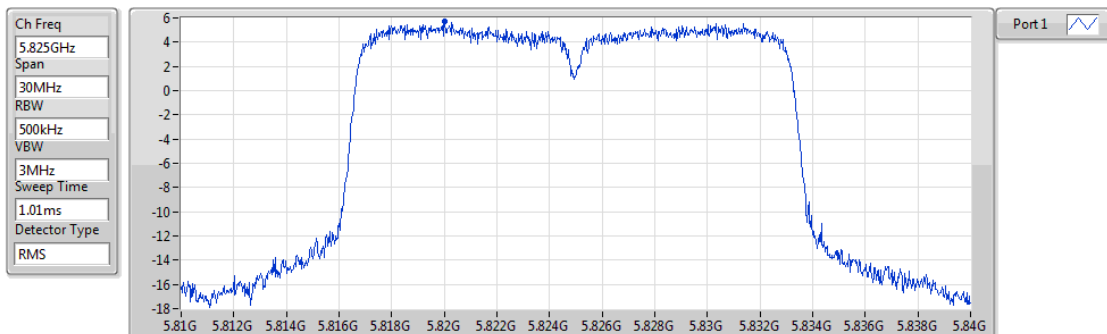


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.43	6.43	6.43

11a_Nss1_1TX

PSD

5825MHz

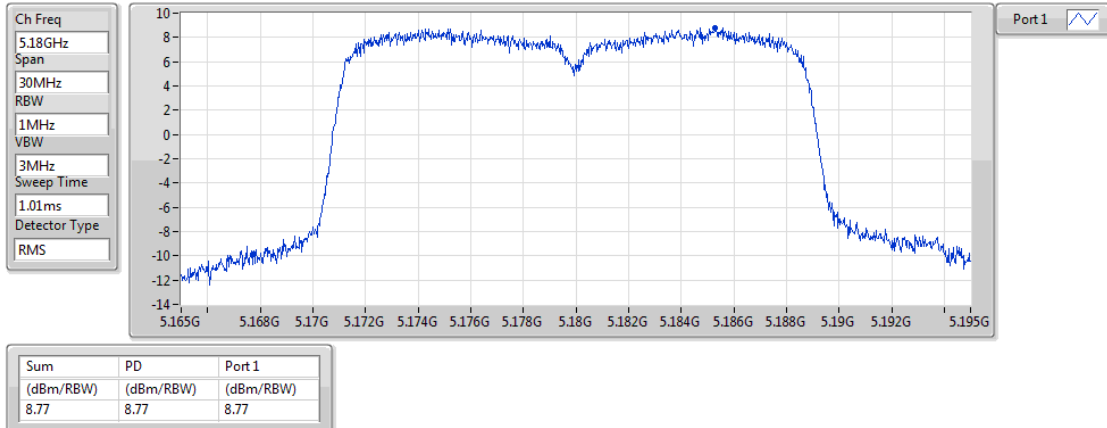


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.70	5.70	5.70

VHT20_Nss1_1TX

PSD

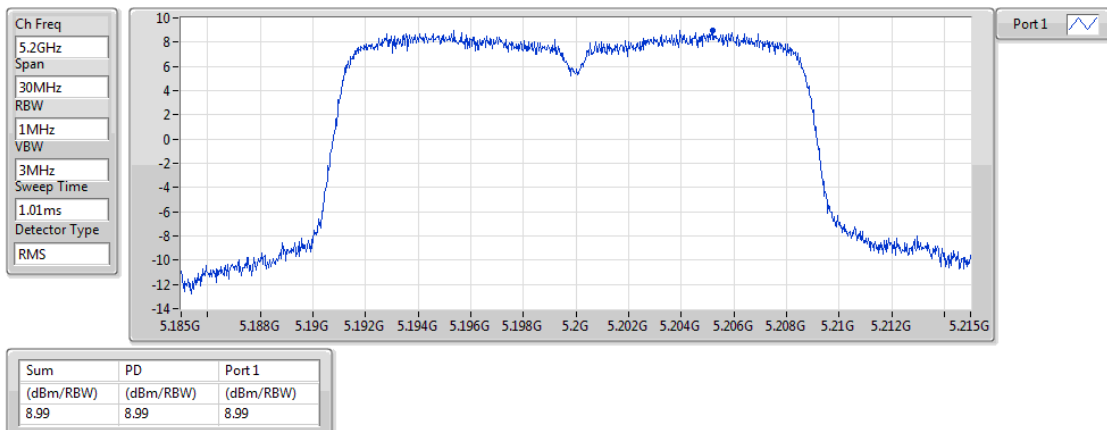
5180MHz



VHT20_Nss1_1TX

PSD

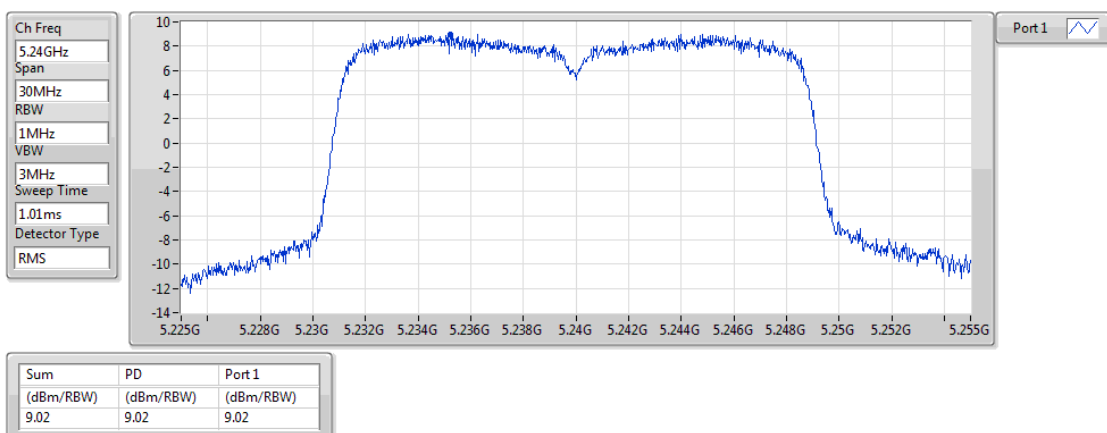
5200MHz



VHT20_Nss1_1TX

PSD

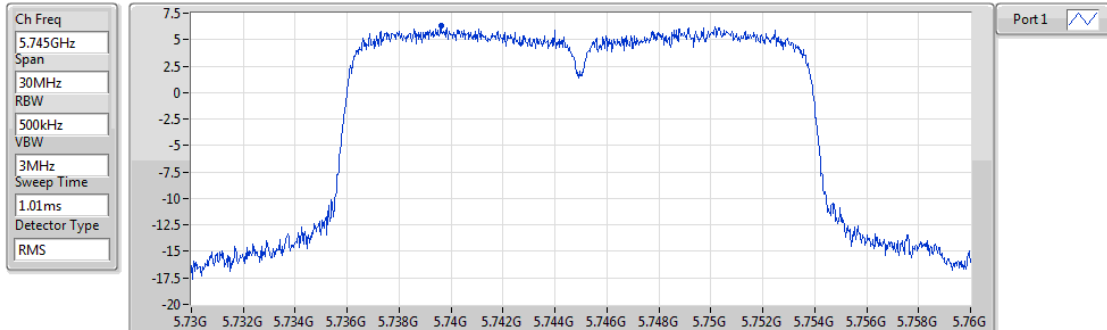
5240MHz



VHT20_Nss1_1TX

PSD

5745MHz

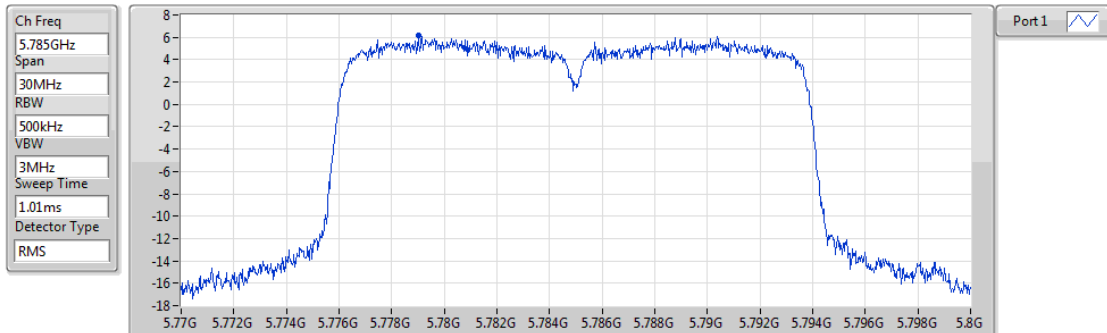


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.34	6.34	6.34

VHT20_Nss1_1TX

PSD

5785MHz

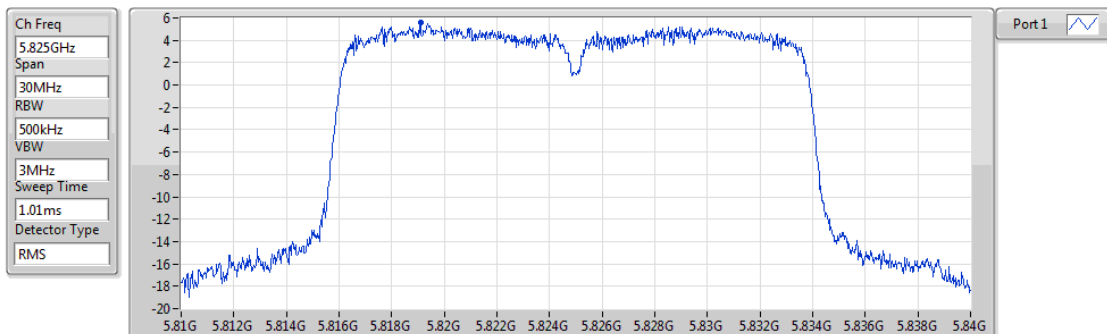


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	6.13

VHT20_Nss1_1TX

PSD

5825MHz

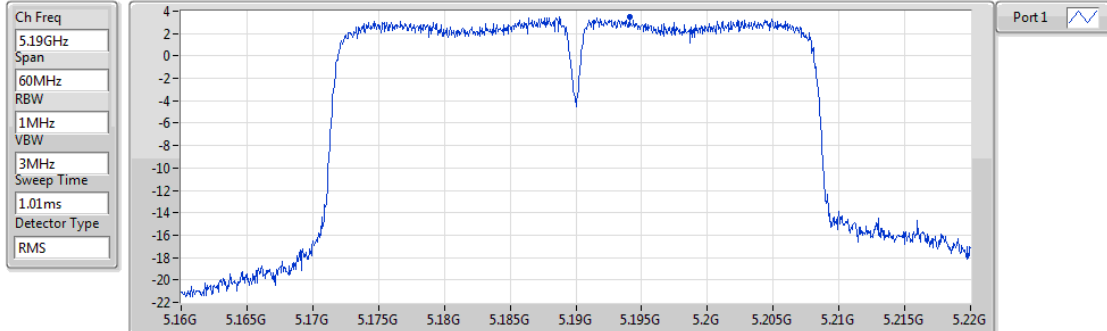


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.55	5.55	5.55

VHT40_Nss1_1TX

PSD

5190MHz

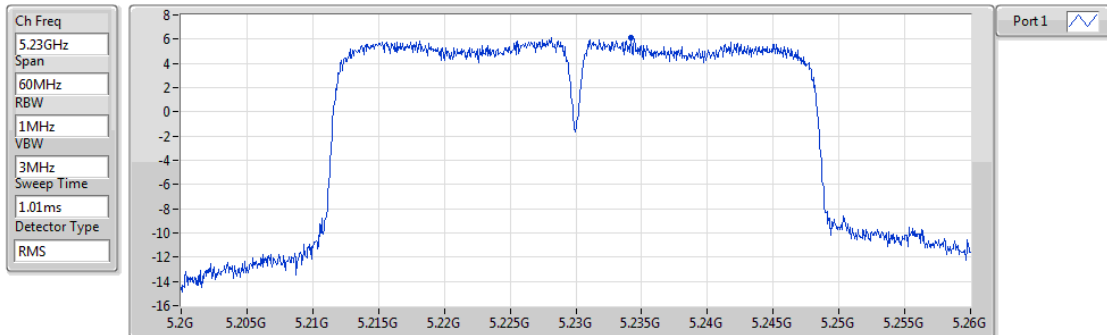


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	3.45

VHT40_Nss1_1TX

PSD

5230MHz

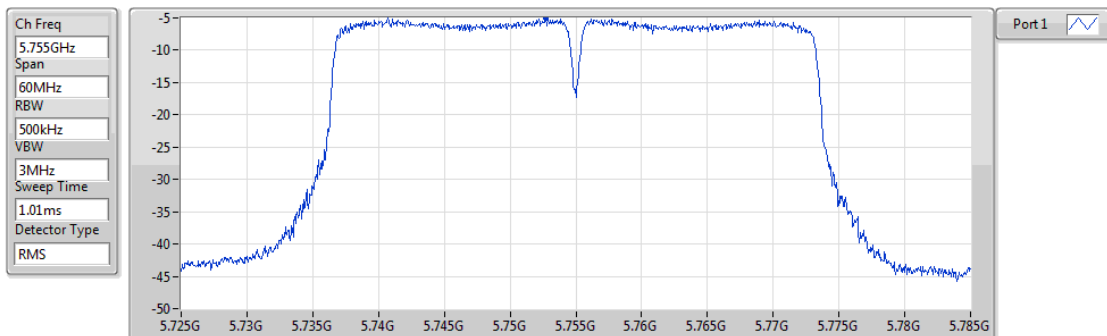


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	6.17

VHT40_Nss1_1TX

PSD

5755MHz

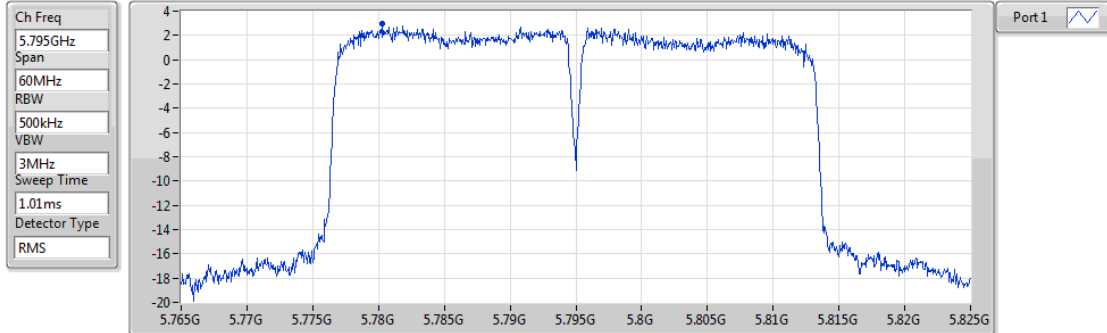


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.06	-5.06	-5.06

VHT40_Nss1_1TX

PSD

5795MHz

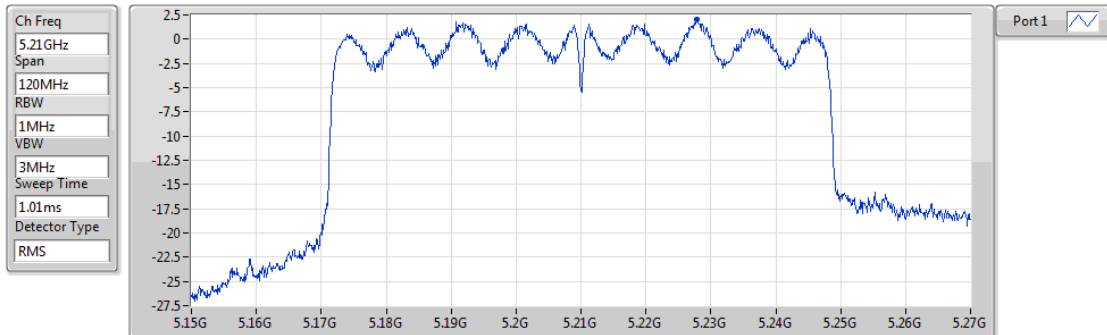


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.93	2.93	2.93

VHT80_Nss1_1TX

PSD

5210MHz

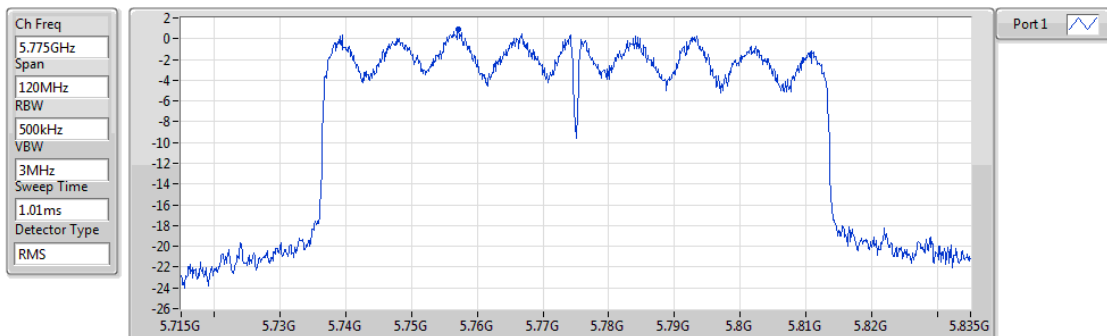


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.02	2.02	2.02

VHT80_Nss1_1TX

PSD

5775MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.93	0.93	0.93



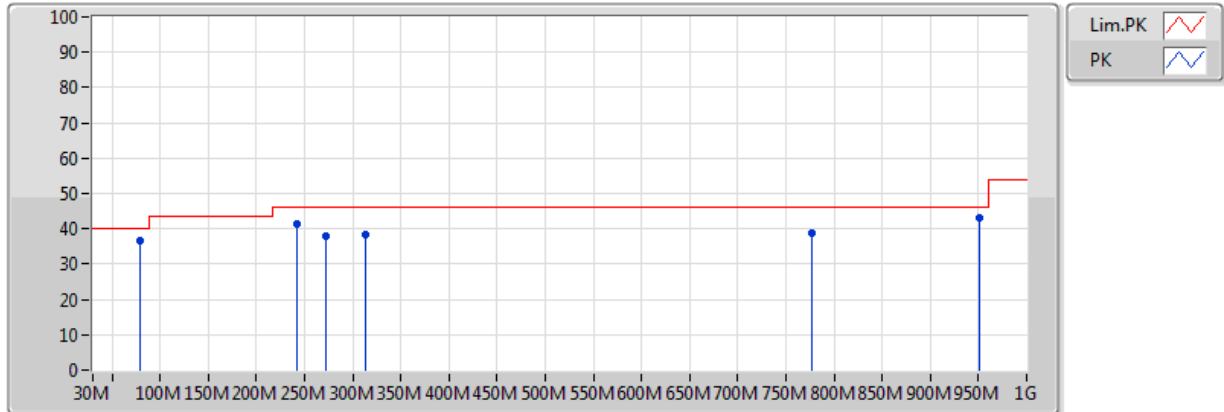
Summary

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	42.50	46.00	-3.50	-5.78	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	286.08M	42.78	46.00	-3.22	-15.78	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level	Limit	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
Mode 1.	Pass	PK	82.38M	30.96	40.00	-9.04	-22.83	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	152.22M	25.92	43.50	-17.58	-18.57	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	286.08M	42.66	46.00	-3.34	-15.78	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	776.9M	41.39	46.00	-4.61	-5.78	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	904.94M	40.41	46.00	-5.59	-4.48	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	951.5M	41.52	46.00	-4.48	-2.41	3	Horizontal	0	1.00	-
Mode 1.	Pass	PK	78.5M	36.45	40.00	-3.55	-23.41	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	241.46M	41.20	46.00	-4.80	-17.57	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	272.5M	37.75	46.00	-8.25	-15.58	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	313.24M	38.47	46.00	-7.53	-15.14	3	Vertical	360	1.00	-
Mode 1.	Pass	PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
Mode 1.	Pass	QP	776.9M	38.64	46.00	-7.36	-5.78	3	Vertical	36	2.22	-
Mode 2.	Pass	PK	101.78M	35.48	43.50	-8.02	-20.12	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	266.68M	29.71	46.00	-16.29	-15.28	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	303.54M	32.64	46.00	-13.36	-15.29	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	804.06M	40.82	46.00	-5.18	-5.62	3	Horizontal	0	1.00	-
Mode 2.	Pass	PK	951.5M	40.62	46.00	-5.38	-2.41	3	Horizontal	0	1.00	-
Mode 2.	Pass	QP	776.9M	38.10	46.00	-7.90	-5.78	3	Horizontal	231	1.20	-
Mode 2.	Pass	PK	225.94M	36.76	46.00	-9.24	-19.21	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	256.98M	36.27	46.00	-9.73	-15.37	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	346.22M	39.08	46.00	-6.92	-14.23	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
Mode 2.	Pass	PK	951.5M	41.87	46.00	-4.13	-2.41	3	Vertical	360	1.00	-
Mode 2.	Pass	QP	86.26M	33.62	40.00	-6.38	-22.28	3	Vertical	5	2.24	-
Mode 3.	Pass	PK	81.41M	35.96	40.00	-4.04	-22.96	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	88.2M	30.94	43.50	-12.56	-21.97	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	210.42M	26.68	43.50	-16.82	-19.96	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	259.89M	41.44	46.00	-4.56	-14.96	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	289.96M	38.54	46.00	-7.46	-15.65	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	603.27M	34.32	46.00	-11.68	-8.52	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	42.50	46.00	-3.50	-5.78	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	776.9M	41.91	46.00	-4.09	-5.78	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	804.06M	40.76	46.00	-5.24	-5.62	3	Horizontal	0	1.00	-
Mode 3.	Pass	PK	951.5M	42.43	46.00	-3.57	-2.41	3	Vertical	360	1.00	-
Mode 3.	Pass	PK	951.5M	41.40	46.00	-4.60	-2.41	3	Horizontal	0	1.00	-
Mode 3.	Pass	QP	238.55M	38.12	46.00	-7.88	-17.93	3	Vertical	333	1.00	-
Mode 4.	Pass	PK	84.32M	30.42	40.00	-9.58	-22.57	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	264.74M	28.93	46.00	-17.07	-15.18	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	286.08M	42.78	46.00	-3.22	-15.78	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	720.64M	33.19	46.00	-12.81	-7.04	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	776.9M	41.20	46.00	-4.80	-5.78	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	951.5M	40.96	46.00	-5.04	-2.41	3	Horizontal	0	1.00	-
Mode 4.	Pass	PK	86.26M	35.66	40.00	-4.34	-22.28	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	245.34M	39.83	46.00	-6.17	-17.03	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	260.86M	37.87	46.00	-8.13	-14.98	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	602.3M	33.94	46.00	-12.06	-8.55	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	776.9M	42.07	46.00	-3.93	-5.78	3	Vertical	360	1.00	-
Mode 4.	Pass	PK	951.5M	41.26	46.00	-4.74	-2.41	3	Vertical	360	1.00	-

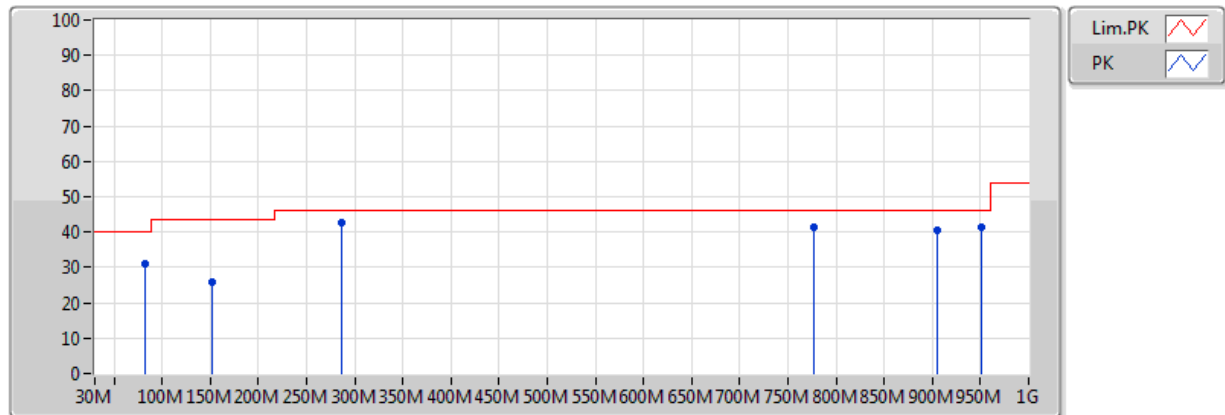
Radiated-below 1GHz_Mode 1



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	78.5M	36.45	40.00	-3.55	-23.41	3	Vertical	360	1.00	-
PK	241.46M	41.20	46.00	-4.80	-17.57	3	Vertical	360	1.00	-
PK	272.5M	37.75	46.00	-8.25	-15.58	3	Vertical	360	1.00	-
PK	313.24M	38.47	46.00	-7.53	-15.14	3	Vertical	360	1.00	-
PK	951.5M	42.89	46.00	-3.11	-2.41	3	Vertical	360	1.00	-
QP	776.9M	38.64	46.00	-7.36	-5.78	3	Vertical	36	2.22	-

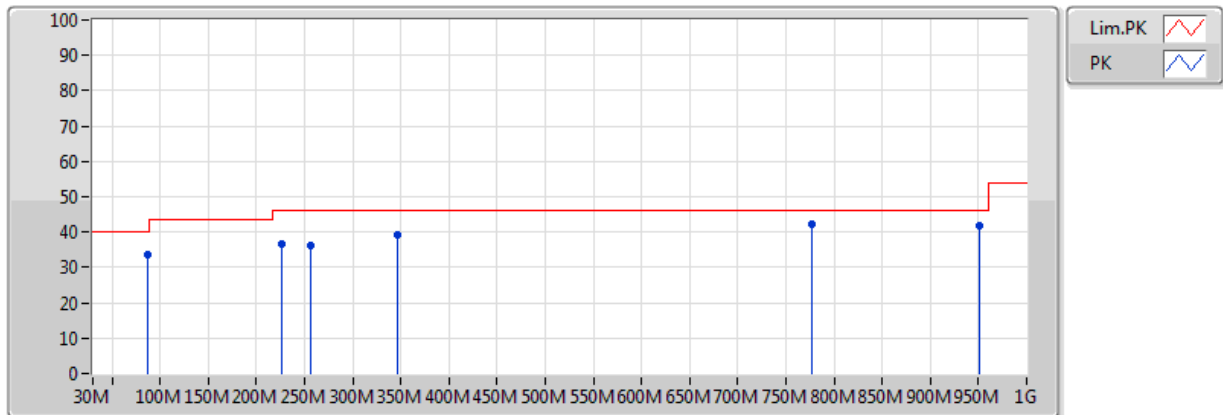
Radiated-below 1GHz_Mode 1



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	82.38M	30.96	40.00	-9.04	-22.83	3	Horizontal	0	1.00	-
PK	152.22M	25.92	43.50	-17.58	-18.57	3	Horizontal	0	1.00	-
PK	286.08M	42.66	46.00	-3.34	-15.78	3	Horizontal	0	1.00	-
PK	776.9M	41.39	46.00	-4.61	-5.78	3	Horizontal	0	1.00	-
PK	904.94M	40.41	46.00	-5.59	-4.48	3	Horizontal	0	1.00	-
PK	951.5M	41.52	46.00	-4.48	-2.41	3	Horizontal	0	1.00	-

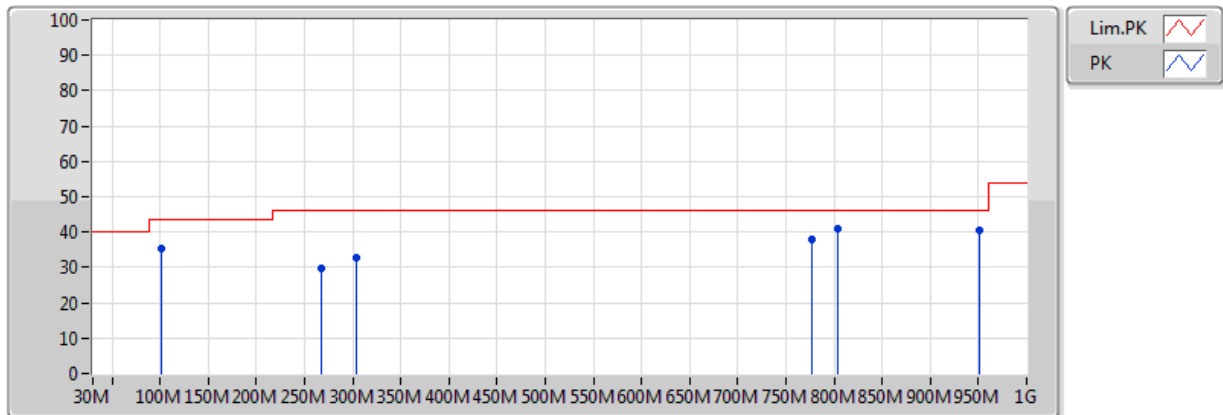
Radiated-below 1GHz_Mode 2



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	225.94M	36.76	46.00	-9.24	-19.21	3	Vertical	360	1.00	-
PK	256.98M	36.27	46.00	-9.73	-15.37	3	Vertical	360	1.00	-
PK	346.22M	39.08	46.00	-6.92	-14.23	3	Vertical	360	1.00	-
PK	776.9M	42.34	46.00	-3.66	-5.78	3	Vertical	360	1.00	-
PK	951.5M	41.87	46.00	-4.13	-2.41	3	Vertical	360	1.00	-
QP	86.26M	33.62	40.00	-6.38	-22.28	3	Vertical	5	2.24	-

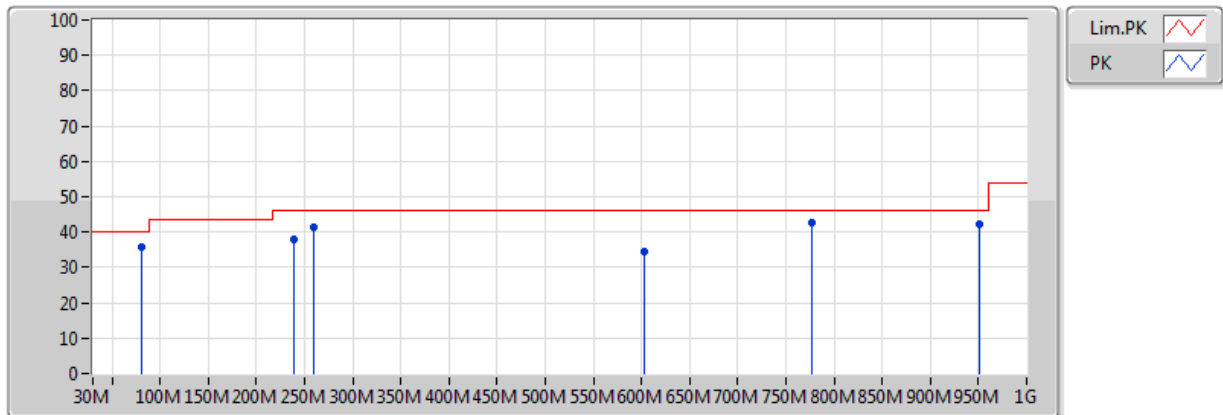
Radiated-below 1GHz_Mode 2



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	101.78M	35.48	43.50	-8.02	-20.12	3	Horizontal	0	1.00	-
PK	266.68M	29.71	46.00	-16.29	-15.28	3	Horizontal	0	1.00	-
PK	303.54M	32.64	46.00	-13.36	-15.29	3	Horizontal	0	1.00	-
PK	804.06M	40.82	46.00	-5.18	-5.62	3	Horizontal	0	1.00	-
PK	951.5M	40.62	46.00	-5.38	-2.41	3	Horizontal	0	1.00	-
QP	776.9M	38.10	46.00	-7.90	-5.78	3	Horizontal	231	1.20	-

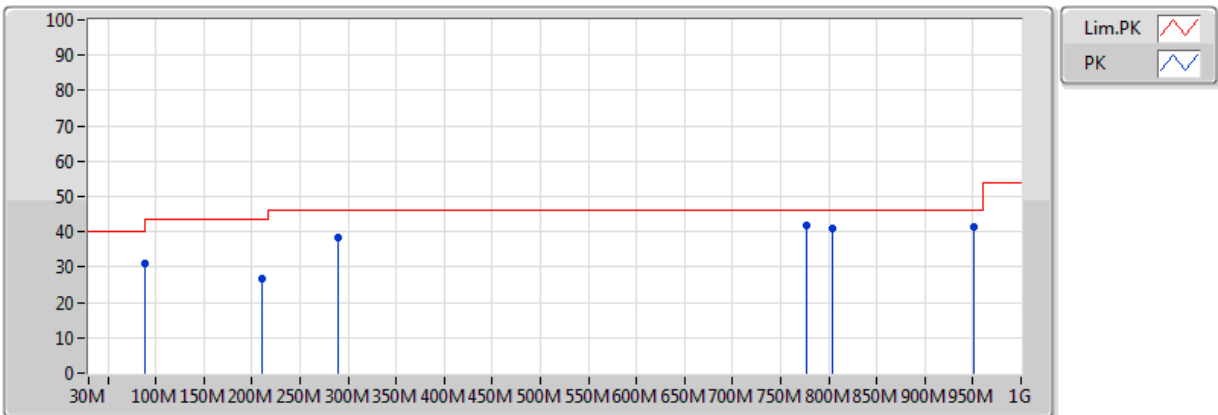
Radiated-below 1GHz_Mode 3



EUT = Z axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	81.41M	35.96	40.00	-4.04	-22.96	3	Vertical	360	1.00	-
PK	259.89M	41.44	46.00	-4.56	-14.96	3	Vertical	360	1.00	-
PK	603.27M	34.32	46.00	-11.68	-8.52	3	Vertical	360	1.00	-
PK	776.9M	42.50	46.00	-3.50	-5.78	3	Vertical	360	1.00	-
PK	951.5M	42.43	46.00	-3.57	-2.41	3	Vertical	360	1.00	-
QP	238.55M	38.12	46.00	-7.88	-17.93	3	Vertical	333	1.00	-

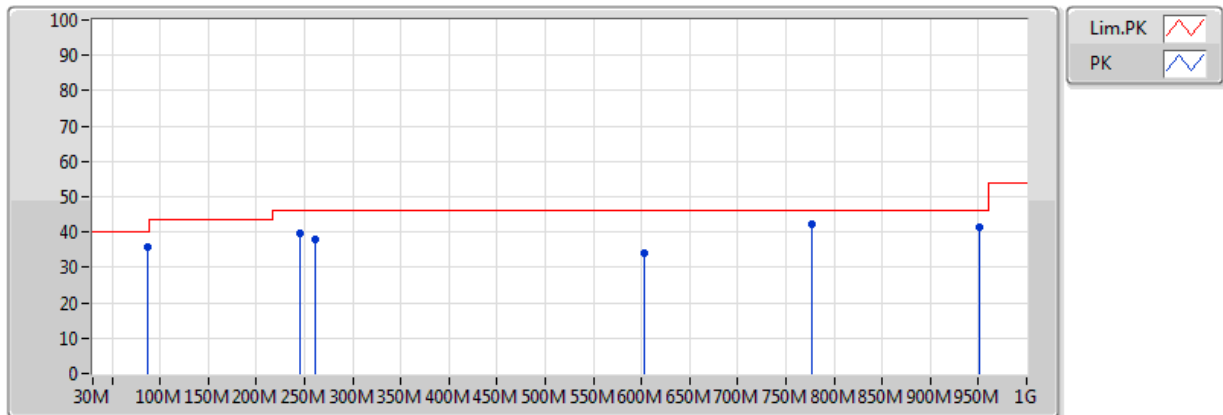
Radiated-below 1GHz_Mode 3



EUT = Z axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	88.2M	30.94	43.50	-12.56	-21.97	3	Horizontal	0	1.00	-
PK	210.42M	26.68	43.50	-16.82	-19.96	3	Horizontal	0	1.00	-
PK	289.96M	38.54	46.00	-7.46	-15.65	3	Horizontal	0	1.00	-
PK	776.9M	41.91	46.00	-4.09	-5.78	3	Horizontal	0	1.00	-
PK	804.06M	40.76	46.00	-5.24	-5.62	3	Horizontal	0	1.00	-
PK	951.5M	41.40	46.00	-4.60	-2.41	3	Horizontal	0	1.00	-

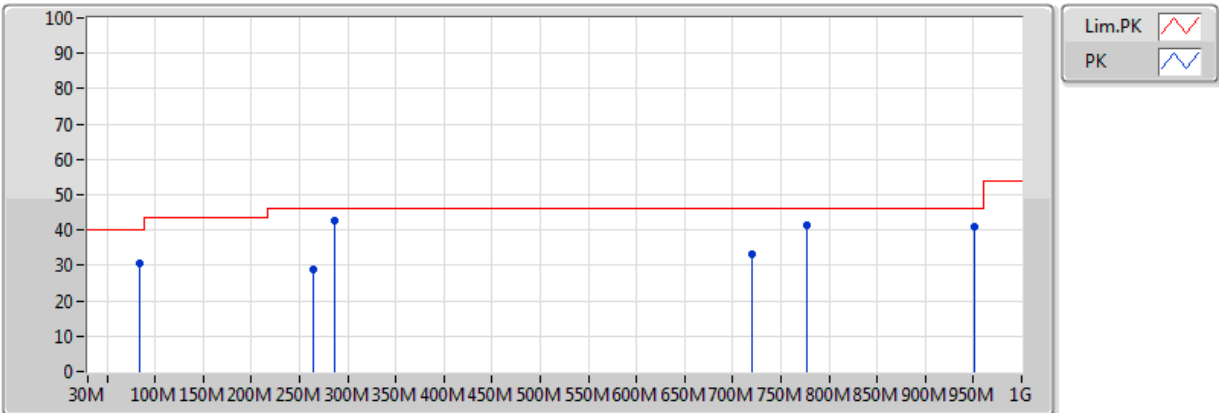
Radiated-below 1GHz_Mode 4



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	86.26M	35.66	40.00	-4.34	-22.28	3	Vertical	360	1.00	-
PK	245.34M	39.83	46.00	-6.17	-17.03	3	Vertical	360	1.00	-
PK	260.86M	37.87	46.00	-8.13	-14.98	3	Vertical	360	1.00	-
PK	602.3M	33.94	46.00	-12.06	-8.55	3	Vertical	360	1.00	-
PK	776.9M	42.07	46.00	-3.93	-5.78	3	Vertical	360	1.00	-
PK	951.5M	41.26	46.00	-4.74	-2.41	3	Vertical	360	1.00	-

Radiated-below 1GHz_Mode 4



EUT = Y axis With Stand

Type	Freq(Hz)	Level	Limit	Margin(dB)	Factor(dB)	Dist(m)	Condition	Azimuth(°)	Height(m)	Comments
PK	84.32M	30.42	40.00	-9.58	-22.57	3	Horizontal	0	1.00	-
PK	264.74M	28.93	46.00	-17.07	-15.18	3	Horizontal	0	1.00	-
PK	286.08M	42.78	46.00	-3.22	-15.78	3	Horizontal	0	1.00	-
PK	720.64M	33.19	46.00	-12.81	-7.04	3	Horizontal	0	1.00	-
PK	776.9M	41.20	46.00	-4.80	-5.78	3	Horizontal	0	1.00	-
PK	951.5M	40.96	46.00	-5.04	-2.41	3	Horizontal	0	1.00	-

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	AV	5.14G	52.85	54.00	-1.15	2.89	3	H	277	1.00	-
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5.725-5.85GHz	Pass	AV	11.49G	49.26	54.00	-4.74	13.63	3	H	128	1.77	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11a_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	51.46	54.00	-2.54	2.90	3	H	268	2.43	-
5180MHz	Pass	AV	5.186G	93.81	Inf	-Inf	2.94	3	H	268	2.43	-
5180MHz	Pass	PK	5.1474G	63.01	74.00	-10.99	2.90	3	H	268	2.43	-
5180MHz	Pass	PK	5.1844G	100.86	Inf	-Inf	2.93	3	H	268	2.43	-
5180MHz	Pass	AV	5.149995G	52.50	54.00	-1.50	2.90	3	V	90	1.50	-
5180MHz	Pass	AV	5.185G	94.69	Inf	-Inf	2.93	3	V	90	1.50	-
5180MHz	Pass	PK	5.1476G	64.03	74.00	-9.97	2.90	3	V	90	1.50	-
5180MHz	Pass	PK	5.1844G	101.35	Inf	-Inf	2.93	3	V	90	1.50	-
5180MHz	Pass	AV	10.36G	44.10	54.00	-9.90	12.78	3	H	0	1.50	-
5180MHz	Pass	PK	10.36G	55.09	74.00	-18.91	12.78	3	H	0	1.50	-
5180MHz	Pass	AV	10.36G	43.90	54.00	-10.10	12.78	3	V	360	1.50	-
5180MHz	Pass	PK	10.36G	55.51	74.00	-18.49	12.78	3	V	360	1.50	-
5200MHz	Pass	AV	5.1496G	46.63	54.00	-7.37	2.90	3	H	269	2.30	-
5200MHz	Pass	AV	5.2052G	94.06	Inf	-Inf	2.96	3	H	269	2.30	-
5200MHz	Pass	PK	5.149995G	57.30	74.00	-16.70	2.90	3	H	269	2.30	-
5200MHz	Pass	PK	5.2044G	101.24	Inf	-Inf	2.95	3	H	269	2.30	-
5200MHz	Pass	AV	5.149995G	47.06	54.00	-6.94	2.90	3	V	88	1.00	-
5200MHz	Pass	AV	5.2064G	95.11	Inf	-Inf	2.96	3	V	88	1.00	-
5200MHz	Pass	PK	5.1432G	57.95	74.00	-16.05	2.89	3	V	88	1.00	-
5200MHz	Pass	PK	5.2068G	102.21	Inf	-Inf	2.96	3	V	88	1.00	-
5200MHz	Pass	AV	10.4G	45.05	54.00	-8.95	12.89	3	H	360	1.50	-
5200MHz	Pass	PK	10.4G	55.61	74.00	-18.39	12.89	3	H	360	1.50	-
5200MHz	Pass	AV	10.4G	44.16	54.00	-9.84	12.89	3	V	0	1.50	-
5200MHz	Pass	PK	10.4G	55.33	74.00	-18.67	12.89	3	V	0	1.50	-
5240MHz	Pass	AV	5.1404G	45.81	54.00	-8.19	2.89	3	H	277	2.40	-
5240MHz	Pass	AV	5.234G	93.99	Inf	-Inf	2.99	3	H	277	2.40	-
5240MHz	Pass	AV	5.3702G	45.37	54.00	-8.63	3.13	3	H	277	2.40	-
5240MHz	Pass	PK	5.1152G	57.15	74.00	-16.85	2.87	3	H	277	2.40	-
5240MHz	Pass	PK	5.2328G	101.56	Inf	-Inf	2.99	3	H	277	2.40	-
5240MHz	Pass	PK	5.3636G	58.13	74.00	-15.87	3.12	3	H	277	2.40	-
5240MHz	Pass	AV	5.0954G	46.16	54.00	-7.84	2.84	3	V	90	1.05	-
5240MHz	Pass	AV	5.2454G	96.68	Inf	-Inf	3.00	3	V	90	1.05	-
5240MHz	Pass	AV	5.384G	45.50	54.00	-8.50	3.14	3	V	90	1.05	-
5240MHz	Pass	PK	5.093G	56.78	74.00	-17.22	2.84	3	V	90	1.05	-
5240MHz	Pass	PK	5.2448G	103.65	Inf	-Inf	3.00	3	V	90	1.05	-
5240MHz	Pass	PK	5.3696G	56.83	74.00	-17.17	3.13	3	V	90	1.05	-
5240MHz	Pass	AV	10.48G	47.59	54.00	-6.41	13.10	3	H	0	1.50	-
5240MHz	Pass	PK	10.48G	56.47	74.00	-17.53	13.10	3	H	0	1.50	-
5240MHz	Pass	AV	10.48G	45.96	54.00	-8.04	13.10	3	V	360	1.50	-
5240MHz	Pass	PK	10.48G	55.95	74.00	-18.05	13.10	3	V	360	1.50	-
5745MHz	Pass	AV	5.7402G	96.00	Inf	-Inf	3.47	3	H	135	1.88	-
5745MHz	Pass	PK	5.5794G	57.06	68.20	-11.14	3.33	3	H	135	1.88	-
5745MHz	Pass	PK	5.7378G	103.73	Inf	-Inf	3.47	3	H	135	1.88	-
5745MHz	Pass	PK	5.9586G	57.44	68.20	-10.76	3.65	3	H	135	1.88	-
5745MHz	Pass	AV	5.7402G	94.54	Inf	-Inf	3.47	3	V	106	1.91	-
5745MHz	Pass	PK	5.6022G	58.27	68.20	-9.93	3.35	3	V	106	1.91	-
5745MHz	Pass	PK	5.7378G	102.25	Inf	-Inf	3.47	3	V	106	1.91	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	5.961G	58.79	68.20	-9.41	3.65	3	V	106	1.91	-
5745MHz	Pass	AV	11.49G	49.26	54.00	-4.74	13.63	3	H	128	1.77	-
5745MHz	Pass	PK	11.49G	60.29	74.00	-13.71	13.63	3	H	128	1.77	-
5745MHz	Pass	AV	11.49G	48.82	54.00	-5.18	13.63	3	V	161	2.42	-
5745MHz	Pass	PK	11.49G	60.34	74.00	-13.66	13.63	3	V	161	2.42	-
5785MHz	Pass	AV	5.7802G	94.72	Inf	-Inf	3.50	3	H	135	1.87	-
5785MHz	Pass	PK	5.5978G	57.86	68.20	-10.34	3.35	3	H	135	1.87	-
5785MHz	Pass	PK	5.7778G	102.29	Inf	-Inf	3.49	3	H	135	1.87	-
5785MHz	Pass	PK	5.9878G	57.74	68.20	-10.46	3.67	3	H	135	1.87	-
5785MHz	Pass	AV	5.791G	93.44	Inf	-Inf	3.50	3	V	112	1.90	-
5785MHz	Pass	PK	5.5522G	57.24	68.20	-10.96	3.31	3	V	112	1.90	-
5785MHz	Pass	PK	5.7778G	100.75	Inf	-Inf	3.49	3	V	112	1.90	-
5785MHz	Pass	PK	5.9878G	56.90	68.20	-11.30	3.67	3	V	112	1.90	-
5785MHz	Pass	AV	11.57G	43.59	54.00	-10.41	13.49	3	H	0	1.50	-
5785MHz	Pass	PK	11.57G	54.95	74.00	-19.05	13.49	3	H	0	1.50	-
5785MHz	Pass	AV	11.57G	43.52	54.00	-10.48	13.49	3	V	360	1.50	-
5785MHz	Pass	PK	11.57G	55.58	74.00	-18.42	13.49	3	V	360	1.50	-
5825MHz	Pass	AV	5.8202G	94.16	Inf	-Inf	3.53	3	H	132	1.12	-
5825MHz	Pass	PK	5.6054G	57.54	68.20	-10.66	3.35	3	H	132	1.12	-
5825MHz	Pass	PK	5.8214G	101.58	Inf	-Inf	3.53	3	H	132	1.12	-
5825MHz	Pass	PK	5.9258G	57.32	68.20	-10.88	3.62	3	H	132	1.12	-
5825MHz	Pass	AV	5.8298G	93.40	Inf	-Inf	3.54	3	V	113	1.97	-
5825MHz	Pass	PK	5.5946G	58.28	68.20	-9.92	3.35	3	V	113	1.97	-
5825MHz	Pass	PK	5.8178G	100.54	Inf	-Inf	3.53	3	V	113	1.97	-
5825MHz	Pass	PK	5.9594G	57.21	68.20	-10.99	3.65	3	V	113	1.97	-
5825MHz	Pass	AV	11.65G	46.70	54.00	-7.30	13.35	3	H	135	1.78	-
5825MHz	Pass	PK	11.65G	58.48	74.00	-15.52	13.35	3	H	135	1.78	-
5825MHz	Pass	AV	11.65G	46.56	54.00	-7.44	13.35	3	V	163	2.48	-
5825MHz	Pass	PK	11.65G	58.46	74.00	-15.54	13.35	3	V	163	2.48	-
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	51.85	54.00	-2.15	2.90	3	H	275	1.98	-
5180MHz	Pass	AV	5.1852G	93.04	Inf	-Inf	2.94	3	H	275	1.98	-
5180MHz	Pass	PK	5.1488G	63.43	74.00	-10.57	2.90	3	H	275	1.98	-
5180MHz	Pass	PK	5.184G	100.20	Inf	-Inf	2.93	3	H	275	1.98	-
5180MHz	Pass	AV	5.149995G	52.51	54.00	-1.49	2.90	3	V	84	1.02	-
5180MHz	Pass	AV	5.1852G	94.44	Inf	-Inf	2.94	3	V	84	1.02	-
5180MHz	Pass	PK	5.1488G	63.98	74.00	-10.02	2.90	3	V	84	1.02	-
5180MHz	Pass	PK	5.1768G	101.66	Inf	-Inf	2.93	3	V	84	1.02	-
5180MHz	Pass	AV	10.36G	43.81	54.00	-10.19	12.78	3	H	0	1.50	-
5180MHz	Pass	PK	10.36G	55.20	74.00	-18.80	12.78	3	H	0	1.50	-
5180MHz	Pass	AV	10.36G	43.39	54.00	-10.61	12.78	3	V	360	1.50	-
5180MHz	Pass	PK	10.36G	54.80	74.00	-19.20	12.78	3	V	360	1.50	-
5200MHz	Pass	AV	5.149995G	46.73	54.00	-7.27	2.90	3	H	269	2.31	-
5200MHz	Pass	AV	5.2052G	93.60	Inf	-Inf	2.96	3	H	269	2.31	-
5200MHz	Pass	PK	5.149995G	58.96	74.00	-15.04	2.90	3	H	269	2.31	-
5200MHz	Pass	PK	5.2044G	101.01	Inf	-Inf	2.95	3	H	269	2.31	-
5200MHz	Pass	AV	5.149995G	46.80	54.00	-7.20	2.90	3	V	88	1.00	-
5200MHz	Pass	AV	5.2052G	95.21	Inf	-Inf	2.96	3	V	88	1.00	-
5200MHz	Pass	PK	5.149995G	59.48	74.00	-14.52	2.90	3	V	88	1.00	-

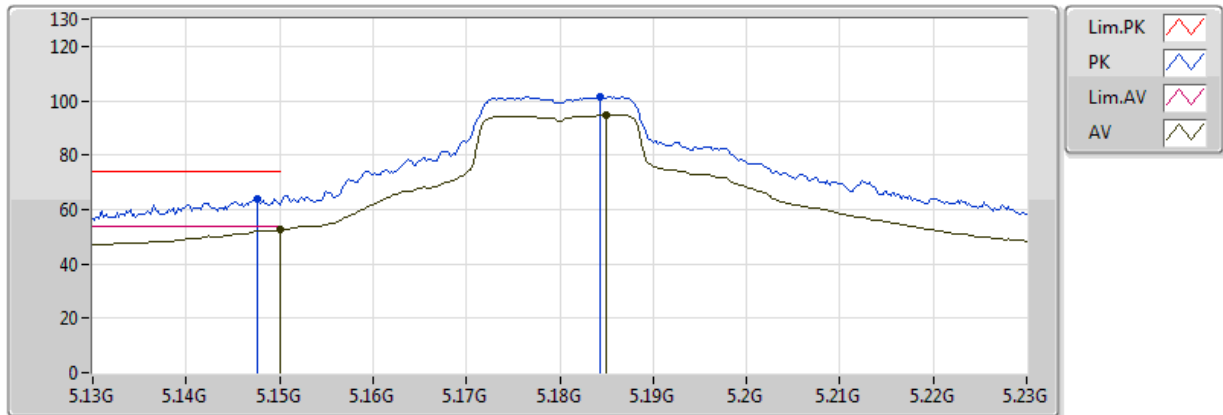
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5200MHz	Pass	PK	5.2044G	102.45	Inf	-Inf	2.95	3	V	88	1.00	-
5200MHz	Pass	AV	10.4G	44.82	54.00	-9.18	12.89	3	H	360	1.50	-
5200MHz	Pass	PK	10.4G	55.13	74.00	-18.87	12.89	3	H	360	1.50	-
5200MHz	Pass	AV	10.4G	44.13	54.00	-9.87	12.89	3	V	0	1.50	-
5200MHz	Pass	PK	10.4G	55.28	74.00	-18.72	12.89	3	V	0	1.50	-
5240MHz	Pass	AV	5.1008G	45.94	54.00	-8.06	2.85	3	H	277	1.01	-
5240MHz	Pass	AV	5.2454G	94.60	Inf	-Inf	3.00	3	H	277	1.01	-
5240MHz	Pass	AV	5.3744G	45.38	54.00	-8.62	3.13	3	H	277	1.01	-
5240MHz	Pass	PK	5.1458G	57.14	74.00	-16.86	2.90	3	H	277	1.01	-
5240MHz	Pass	PK	5.2442G	102.35	Inf	-Inf	3.00	3	H	277	1.01	-
5240MHz	Pass	PK	5.3744G	55.75	74.00	-18.25	3.13	3	H	277	1.01	-
5240MHz	Pass	AV	5.093G	45.81	54.00	-8.19	2.84	3	V	87	1.50	-
5240MHz	Pass	AV	5.2454G	95.06	Inf	-Inf	3.00	3	V	87	1.50	-
5240MHz	Pass	AV	5.384G	45.23	54.00	-8.77	3.14	3	V	87	1.50	-
5240MHz	Pass	PK	5.099G	56.30	74.00	-17.70	2.85	3	V	87	1.50	-
5240MHz	Pass	PK	5.2442G	102.62	Inf	-Inf	3.00	3	V	87	1.50	-
5240MHz	Pass	PK	5.3834G	56.39	74.00	-17.61	3.14	3	V	87	1.50	-
5240MHz	Pass	AV	10.48G	43.57	54.00	-10.43	13.10	3	H	0	1.50	-
5240MHz	Pass	PK	10.48G	55.04	74.00	-18.96	13.10	3	H	0	1.50	-
5240MHz	Pass	AV	10.48G	43.57	54.00	-10.43	13.10	3	V	360	1.50	-
5240MHz	Pass	PK	10.48G	55.71	74.00	-18.29	13.10	3	V	360	1.50	-
5745MHz	Pass	AV	5.739G	95.76	Inf	-Inf	3.47	3	H	135	1.89	-
5745MHz	Pass	PK	5.5074G	57.20	68.20	-11.00	3.28	3	H	135	1.89	-
5745MHz	Pass	PK	5.7402G	103.21	Inf	-Inf	3.47	3	H	135	1.89	-
5745MHz	Pass	PK	5.9814G	58.17	68.20	-10.03	3.67	3	H	135	1.89	-
5745MHz	Pass	AV	5.7498G	93.94	Inf	-Inf	3.47	3	V	104	1.83	-
5745MHz	Pass	PK	5.5842G	58.30	68.20	-9.90	3.34	3	V	104	1.83	-
5745MHz	Pass	PK	5.751G	101.76	Inf	-Inf	3.48	3	V	104	1.83	-
5745MHz	Pass	PK	5.9862G	57.18	68.20	-11.02	3.67	3	V	104	1.83	-
5745MHz	Pass	AV	11.49G	43.57	54.00	-10.43	13.63	3	H	360	1.50	-
5745MHz	Pass	PK	11.49G	55.59	74.00	-18.41	13.63	3	H	360	1.50	-
5745MHz	Pass	AV	11.49G	43.56	54.00	-10.44	13.63	3	V	0	1.50	-
5745MHz	Pass	PK	11.49G	55.14	74.00	-18.86	13.63	3	V	0	1.50	-
5785MHz	Pass	AV	5.779G	94.66	Inf	-Inf	3.50	3	H	134	1.16	-
5785MHz	Pass	PK	5.5546G	57.23	68.20	-10.97	3.31	3	H	134	1.16	-
5785MHz	Pass	PK	5.7814G	102.12	Inf	-Inf	3.50	3	H	134	1.16	-
5785MHz	Pass	PK	5.9506G	57.46	68.20	-10.74	3.64	3	H	134	1.16	-
5785MHz	Pass	AV	5.7802G	93.62	Inf	-Inf	3.50	3	V	112	1.93	-
5785MHz	Pass	PK	5.5342G	57.78	68.20	-10.42	3.30	3	V	112	1.93	-
5785MHz	Pass	PK	5.791G	101.17	Inf	-Inf	3.50	3	V	112	1.93	-
5785MHz	Pass	PK	5.9278G	57.89	68.20	-10.31	3.62	3	V	112	1.93	-
5785MHz	Pass	AV	11.57G	46.16	54.00	-7.84	13.49	3	H	0	1.50	-
5785MHz	Pass	PK	11.57G	55.01	74.00	-18.99	13.49	3	H	0	1.50	-
5785MHz	Pass	AV	11.57G	45.26	54.00	-8.74	13.49	3	V	360	1.50	-
5785MHz	Pass	PK	11.57G	55.26	74.00	-18.74	13.49	3	V	360	1.50	-
5825MHz	Pass	AV	5.819G	93.91	Inf	-Inf	3.53	3	H	134	1.19	-
5825MHz	Pass	PK	5.6222G	57.17	68.20	-11.03	3.37	3	H	134	1.19	-
5825MHz	Pass	PK	5.8202G	101.44	Inf	-Inf	3.53	3	H	134	1.19	-
5825MHz	Pass	PK	5.9438G	57.31	68.20	-10.89	3.64	3	H	134	1.19	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	5.819G	92.95	Inf	-Inf	3.53	3	V	114	1.88	-
5825MHz	Pass	PK	5.537G	57.32	68.20	-10.88	3.30	3	V	114	1.88	-
5825MHz	Pass	PK	5.8214G	100.21	Inf	-Inf	3.53	3	V	114	1.88	-
5825MHz	Pass	PK	5.9822G	56.99	68.20	-11.21	3.67	3	V	114	1.88	-
5825MHz	Pass	AV	11.65G	45.78	54.00	-8.22	13.35	3	H	360	1.50	-
5825MHz	Pass	PK	11.65G	55.10	74.00	-18.90	13.35	3	H	360	1.50	-
5825MHz	Pass	AV	11.65G	44.88	54.00	-9.12	13.35	3	V	0	1.50	-
5825MHz	Pass	PK	11.65G	55.24	74.00	-18.76	13.35	3	V	0	1.50	-
802.11ac VHT40_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	51.70	54.00	-2.30	2.90	3	H	268	2.28	-
5190MHz	Pass	AV	5.2044G	87.53	Inf	-Inf	2.95	3	H	268	2.28	-
5190MHz	Pass	PK	5.149995G	62.37	74.00	-11.63	2.90	3	H	268	2.28	-
5190MHz	Pass	PK	5.2064G	95.50	Inf	-Inf	2.96	3	H	268	2.28	-
5190MHz	Pass	AV	5.149995G	52.79	54.00	-1.21	2.90	3	V	86	1.20	-
5190MHz	Pass	AV	5.192G	89.09	Inf	-Inf	2.94	3	V	86	1.20	-
5190MHz	Pass	PK	5.1484G	63.02	74.00	-10.98	2.90	3	V	86	1.20	-
5190MHz	Pass	PK	5.2064G	96.44	Inf	-Inf	2.96	3	V	86	1.20	-
5190MHz	Pass	AV	10.38G	43.41	54.00	-10.59	12.84	3	H	0	1.50	-
5190MHz	Pass	PK	10.38G	55.08	74.00	-18.92	12.84	3	H	0	1.50	-
5190MHz	Pass	AV	10.38G	43.33	54.00	-10.67	12.84	3	V	360	1.50	-
5190MHz	Pass	PK	10.38G	54.78	74.00	-19.22	12.84	3	V	360	1.50	-
5230MHz	Pass	AV	5.1496G	47.18	54.00	-6.82	2.90	3	H	277	2.39	-
5230MHz	Pass	AV	5.2276G	90.62	Inf	-Inf	2.98	3	H	277	2.39	-
5230MHz	Pass	PK	5.149995G	57.99	74.00	-16.01	2.90	3	H	277	2.39	-
5230MHz	Pass	PK	5.228G	98.66	Inf	-Inf	2.98	3	H	277	2.39	-
5230MHz	Pass	AV	5.148G	47.77	54.00	-6.23	2.90	3	V	86	1.05	-
5230MHz	Pass	AV	5.2444G	92.74	Inf	-Inf	3.00	3	V	86	1.05	-
5230MHz	Pass	PK	5.1468G	58.48	74.00	-15.52	2.90	3	V	86	1.05	-
5230MHz	Pass	PK	5.244G	100.88	Inf	-Inf	3.00	3	V	86	1.05	-
5230MHz	Pass	AV	10.46G	46.06	54.00	-7.94	13.05	3	H	360	1.50	-
5230MHz	Pass	PK	10.46G	55.27	74.00	-18.73	13.05	3	H	360	1.50	-
5230MHz	Pass	AV	10.46G	44.57	54.00	-9.43	13.05	3	V	0	1.50	-
5230MHz	Pass	PK	10.46G	55.71	74.00	-18.29	13.05	3	V	0	1.50	-
5755MHz	Pass	AV	5.7406G	92.48	Inf	-Inf	3.47	3	H	135	1.86	-
5755MHz	Pass	PK	5.6374G	56.96	68.20	-11.24	3.38	3	H	135	1.86	-
5755MHz	Pass	PK	5.7406G	100.28	Inf	-Inf	3.47	3	H	135	1.86	-
5755MHz	Pass	PK	5.9638G	57.16	68.20	-11.04	3.65	3	H	135	1.86	-
5755MHz	Pass	AV	5.7406G	90.75	Inf	-Inf	3.47	3	V	114	1.91	-
5755MHz	Pass	PK	5.5606G	57.31	68.20	-10.89	3.32	3	V	114	1.91	-
5755MHz	Pass	PK	5.7514G	98.44	Inf	-Inf	3.48	3	V	114	1.91	-
5755MHz	Pass	PK	5.9578G	57.33	68.20	-10.87	3.65	3	V	114	1.91	-
5755MHz	Pass	AV	11.51G	43.52	54.00	-10.48	13.59	3	H	0	1.50	-
5755MHz	Pass	PK	11.51G	55.38	74.00	-18.62	13.59	3	H	0	1.50	-
5755MHz	Pass	AV	11.51G	43.45	54.00	-10.55	13.59	3	V	360	1.50	-
5755MHz	Pass	PK	11.51G	55.41	74.00	-18.59	13.59	3	V	360	1.50	-
5795MHz	Pass	AV	5.7926G	91.95	Inf	-Inf	3.50	3	H	134	1.07	-
5795MHz	Pass	PK	5.6318G	57.84	68.20	-10.36	3.38	3	H	134	1.07	-
5795MHz	Pass	PK	5.7914G	100.05	Inf	-Inf	3.50	3	H	134	1.07	-
5795MHz	Pass	PK	5.9618G	58.27	68.20	-9.93	3.65	3	H	134	1.07	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	5.7926G	90.61	Inf	-Inf	3.50	3	V	114	1.90	-
5795MHz	Pass	PK	5.5706G	57.24	68.20	-10.96	3.33	3	V	114	1.90	-
5795MHz	Pass	PK	5.7914G	98.51	Inf	-Inf	3.50	3	V	114	1.90	-
5795MHz	Pass	PK	5.9534G	57.20	68.20	-11.00	3.64	3	V	114	1.90	-
5795MHz	Pass	AV	11.59G	43.49	54.00	-10.51	13.46	3	H	360	1.50	-
5795MHz	Pass	PK	11.59G	55.01	74.00	-18.99	13.46	3	H	360	1.50	-
5795MHz	Pass	AV	11.59G	43.47	54.00	-10.53	13.46	3	V	0	1.50	-
5795MHz	Pass	PK	11.59G	55.72	74.00	-18.28	13.46	3	V	0	1.50	-
802.11ac VHT80_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.14G	52.85	54.00	-1.15	2.89	3	H	277	1.00	-
5210MHz	Pass	AV	5.237G	86.97	Inf	-Inf	2.99	3	H	277	1.00	-
5210MHz	Pass	AV	5.350005G	46.90	54.00	-7.10	3.11	3	H	277	1.00	-
5210MHz	Pass	PK	5.145G	64.27	74.00	-9.73	2.89	3	H	277	1.00	-
5210MHz	Pass	PK	5.228G	94.84	Inf	-Inf	2.98	3	H	277	1.00	-
5210MHz	Pass	PK	5.350005G	59.80	74.00	-14.20	3.11	3	H	277	1.00	-
5210MHz	Pass	AV	5.14G	52.36	54.00	-1.64	2.89	3	V	88	1.03	-
5210MHz	Pass	AV	5.228G	87.42	Inf	-Inf	2.98	3	V	88	1.03	-
5210MHz	Pass	AV	5.350005G	49.85	54.00	-4.15	3.11	3	V	88	1.03	-
5210MHz	Pass	PK	5.13G	65.00	74.00	-9.00	2.88	3	V	88	1.03	-
5210MHz	Pass	PK	5.13G	65.00	74.00	-9.00	2.88	3	V	88	1.03	-
5210MHz	Pass	PK	5.228G	95.59	Inf	-Inf	2.98	3	V	88	1.03	-
5210MHz	Pass	PK	5.350005G	62.44	74.00	-11.56	3.11	3	V	88	1.03	-
5210MHz	Pass	PK	5.350005G	62.44	74.00	-11.56	3.11	3	V	88	1.03	-
5210MHz	Pass	AV	10.42G	43.60	54.00	-10.40	12.94	3	H	0	1.50	-
5210MHz	Pass	PK	10.42G	54.78	74.00	-19.22	12.94	3	H	0	1.50	-
5210MHz	Pass	AV	10.42G	43.43	54.00	-10.57	12.94	3	V	360	1.50	-
5210MHz	Pass	PK	10.42G	55.45	74.00	-18.55	12.94	3	V	360	1.50	-
5775MHz	Pass	AV	5.757G	89.26	Inf	-Inf	3.48	3	H	131	1.04	-
5775MHz	Pass	PK	5.6466G	62.01	68.20	-6.19	3.39	3	H	131	1.04	-
5775MHz	Pass	PK	5.7558G	96.88	Inf	-Inf	3.48	3	H	131	1.04	-
5775MHz	Pass	PK	5.9274G	61.16	68.20	-7.04	3.62	3	H	131	1.04	-
5775MHz	Pass	AV	5.757G	88.92	Inf	-Inf	3.48	3	V	113	1.93	-
5775MHz	Pass	PK	5.643G	62.20	68.20	-6.00	3.39	3	V	113	1.93	-
5775MHz	Pass	PK	5.7558G	96.63	Inf	-Inf	3.48	3	V	113	1.93	-
5775MHz	Pass	PK	5.937G	59.79	68.20	-8.41	3.63	3	V	113	1.93	-
5775MHz	Pass	AV	11.55G	44.61	54.00	-9.39	13.52	3	H	360	1.50	-
5775MHz	Pass	PK	11.55G	55.27	74.00	-18.73	13.52	3	H	360	1.50	-
5775MHz	Pass	AV	11.55G	43.77	54.00	-10.23	13.52	3	V	0	1.50	-
5775MHz	Pass	PK	11.55G	54.88	74.00	-19.12	13.52	3	V	0	1.50	-

802.11a_(6Mbps)_1TX

5180MHz_TX

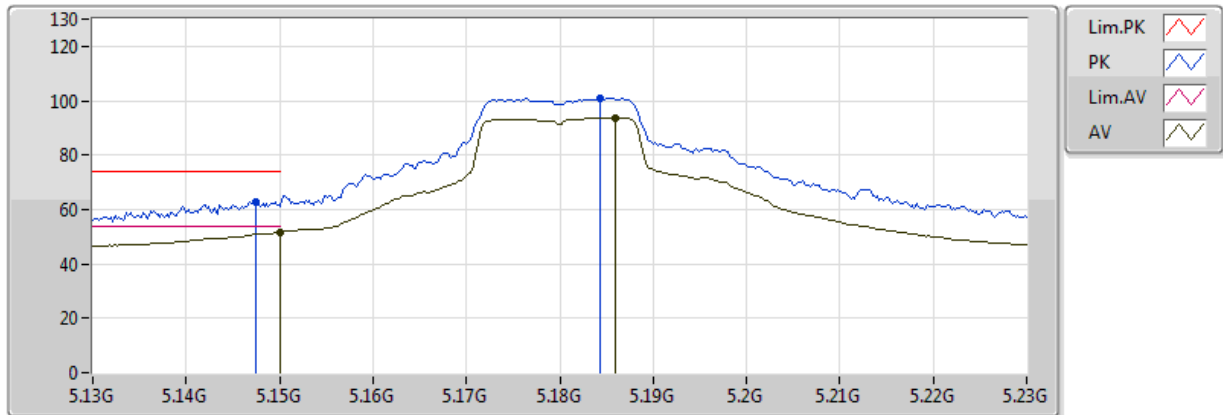


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	52.50	54.00	-1.50	2.90	3	V	90	1.50	-
AV	5.185G	94.69	Inf	-Inf	2.93	3	V	90	1.50	-
PK	5.1476G	64.03	74.00	-9.97	2.90	3	V	90	1.50	-
PK	5.1844G	101.35	Inf	-Inf	2.93	3	V	90	1.50	-

802.11a_(6Mbps)_1TX

5180MHz_TX

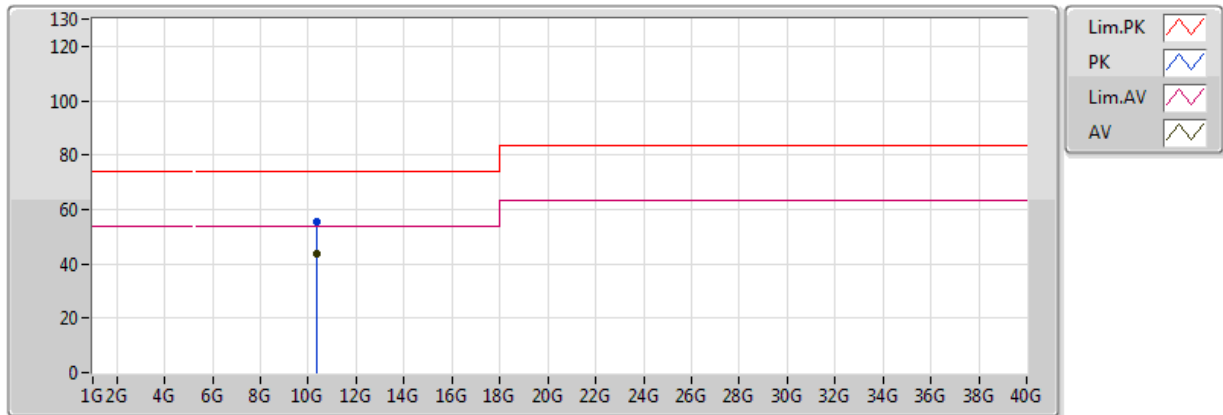


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.46	54.00	-2.54	2.90	3	H	268	2.43	-
AV	5.186G	93.81	Inf	-Inf	2.94	3	H	268	2.43	-
PK	5.1474G	63.01	74.00	-10.99	2.90	3	H	268	2.43	-
PK	5.1844G	100.86	Inf	-Inf	2.93	3	H	268	2.43	-

802.11a_(6Mbps)_1TX

5180MHz_TX

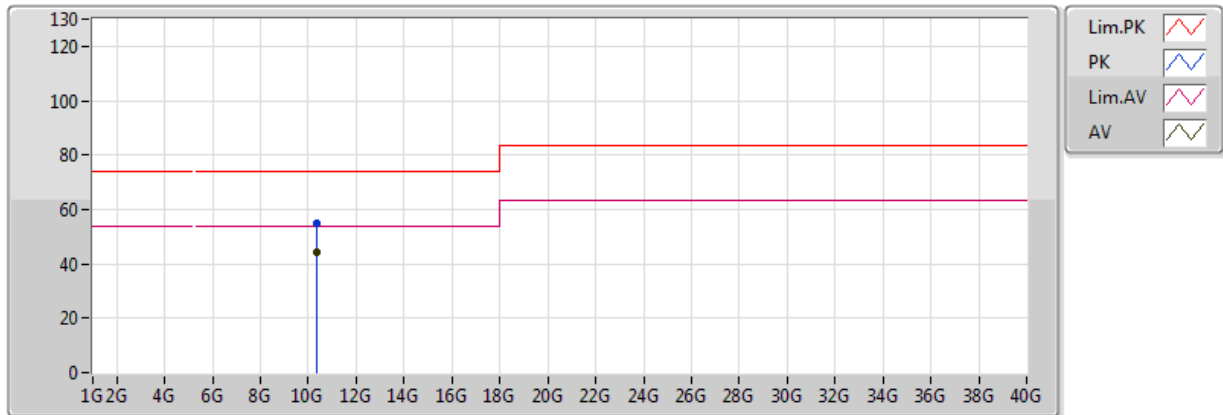


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.90	54.00	-10.10	12.78	3	V	360	1.50	-
PK	10.36G	55.51	74.00	-18.49	12.78	3	V	360	1.50	-

802.11a_(6Mbps)_1TX

5180MHz_TX

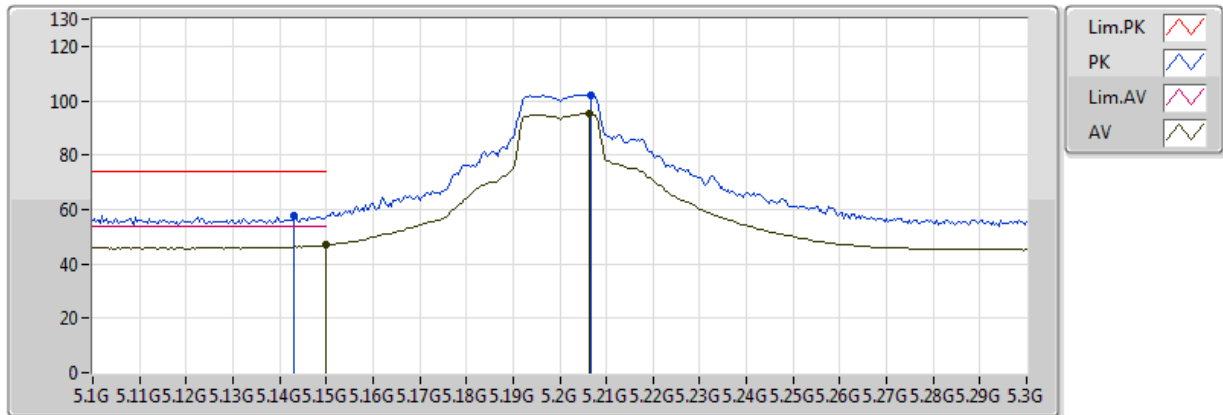


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	44.10	54.00	-9.90	12.78	3	H	0	1.50	-
PK	10.36G	55.09	74.00	-18.91	12.78	3	H	0	1.50	-

802.11a_(6Mbps)_1TX

5200MHz_TX

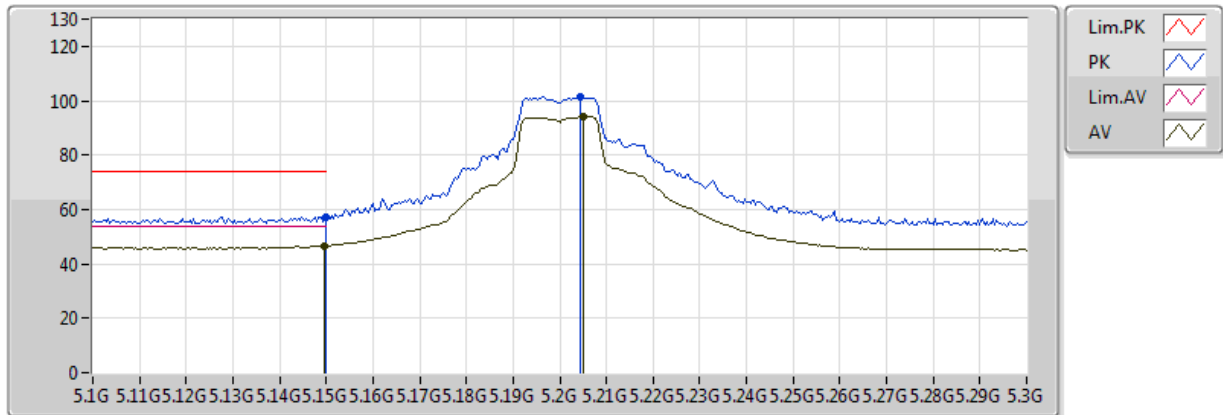


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	47.06	54.00	-6.94	2.90	3	V	88	1.00	-
AV	5.2064G	95.11	Inf	-Inf	2.96	3	V	88	1.00	-
PK	5.1432G	57.95	74.00	-16.05	2.89	3	V	88	1.00	-
PK	5.2068G	102.21	Inf	-Inf	2.96	3	V	88	1.00	-

802.11a_(6Mbps)_1TX

5200MHz_TX

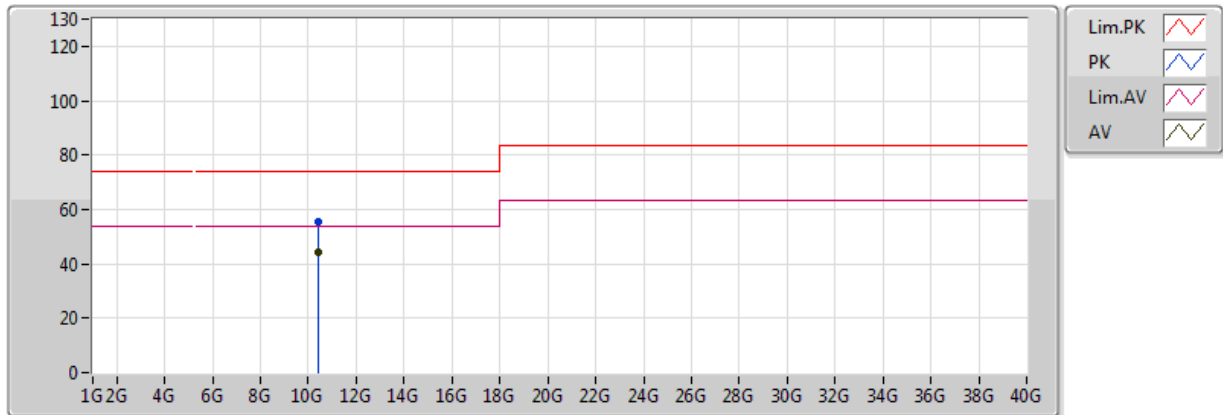


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	46.63	54.00	-7.37	2.90	3	H	269	2.30	-
AV	5.2052G	94.06	Inf	-Inf	2.96	3	H	269	2.30	-
PK	5.149995G	57.30	74.00	-16.70	2.90	3	H	269	2.30	-
PK	5.2044G	101.24	Inf	-Inf	2.95	3	H	269	2.30	-

802.11a_(6Mbps)_1TX

5200MHz_TX

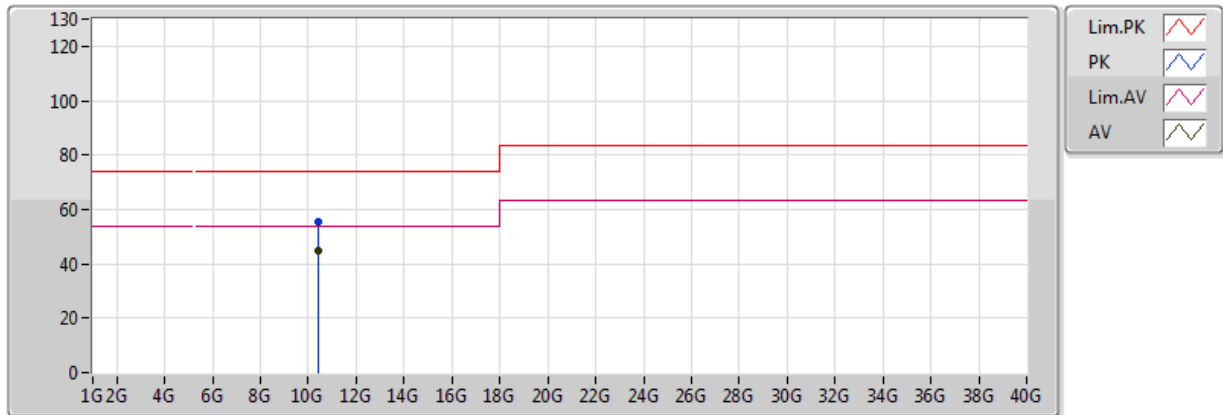


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	44.16	54.00	-9.84	12.89	3	V	0	1.50	-
PK	10.4G	55.33	74.00	-18.67	12.89	3	V	0	1.50	-

802.11a_(6Mbps)_1TX

5200MHz_TX

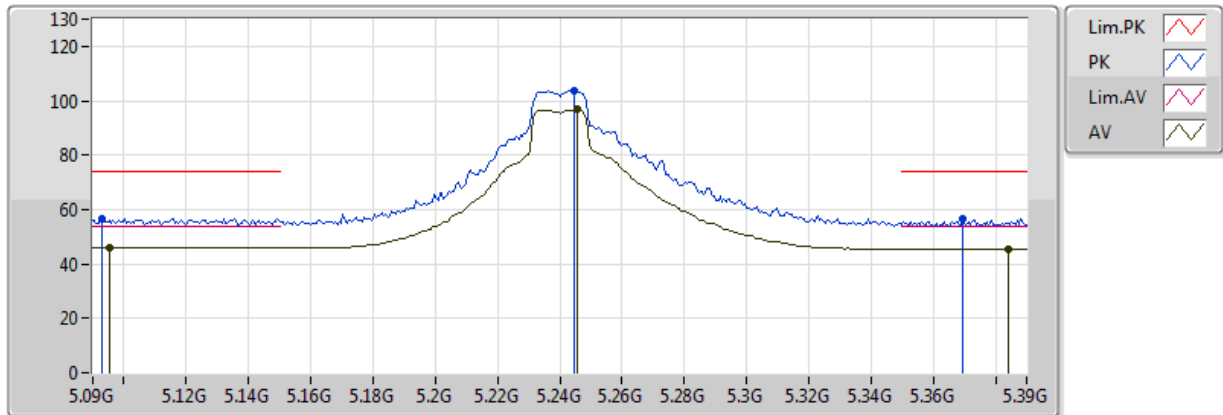


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	45.05	54.00	-8.95	12.89	3	H	360	1.50	-
PK	10.4G	55.61	74.00	-18.39	12.89	3	H	360	1.50	-

802.11a_(6Mbps)_1TX

5240MHz_TX

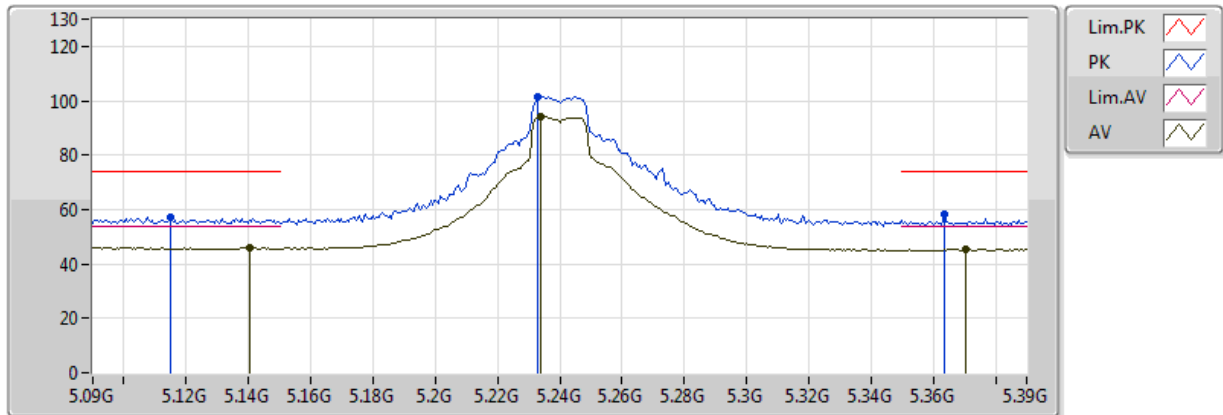


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.0954G	46.16	54.00	-7.84	2.84	3	V	90	1.05	-
AV	5.2454G	96.68	Inf	-Inf	3.00	3	V	90	1.05	-
AV	5.384G	45.50	54.00	-8.50	3.14	3	V	90	1.05	-
PK	5.093G	56.78	74.00	-17.22	2.84	3	V	90	1.05	-
PK	5.2448G	103.65	Inf	-Inf	3.00	3	V	90	1.05	-
PK	5.3696G	56.83	74.00	-17.17	3.13	3	V	90	1.05	-

802.11a_(6Mbps)_1TX

5240MHz_TX

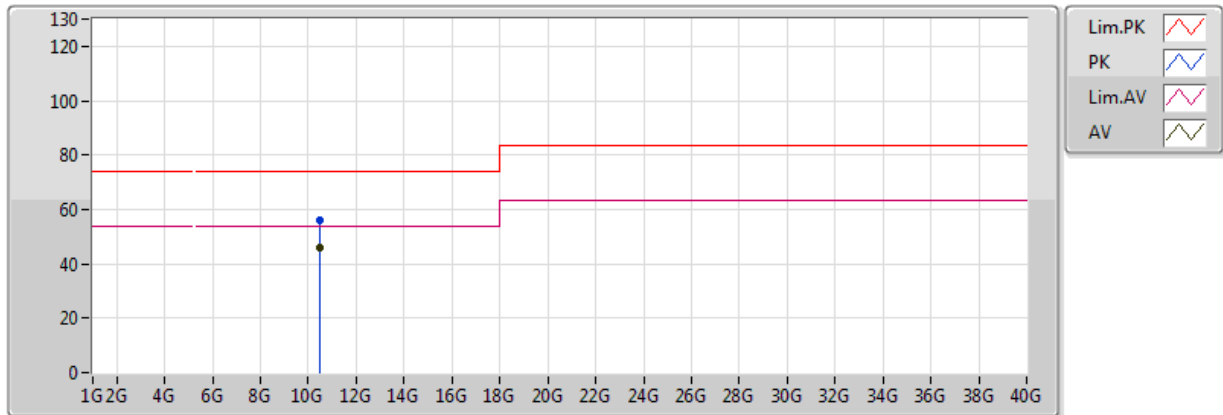


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1404G	45.81	54.00	-8.19	2.89	3	H	277	2.40	-
AV	5.234G	93.99	Inf	-Inf	2.99	3	H	277	2.40	-
AV	5.3702G	45.37	54.00	-8.63	3.13	3	H	277	2.40	-
PK	5.1152G	57.15	74.00	-16.85	2.87	3	H	277	2.40	-
PK	5.2328G	101.56	Inf	-Inf	2.99	3	H	277	2.40	-
PK	5.3636G	58.13	74.00	-15.87	3.12	3	H	277	2.40	-

802.11a_(6Mbps)_1TX

5240MHz_TX

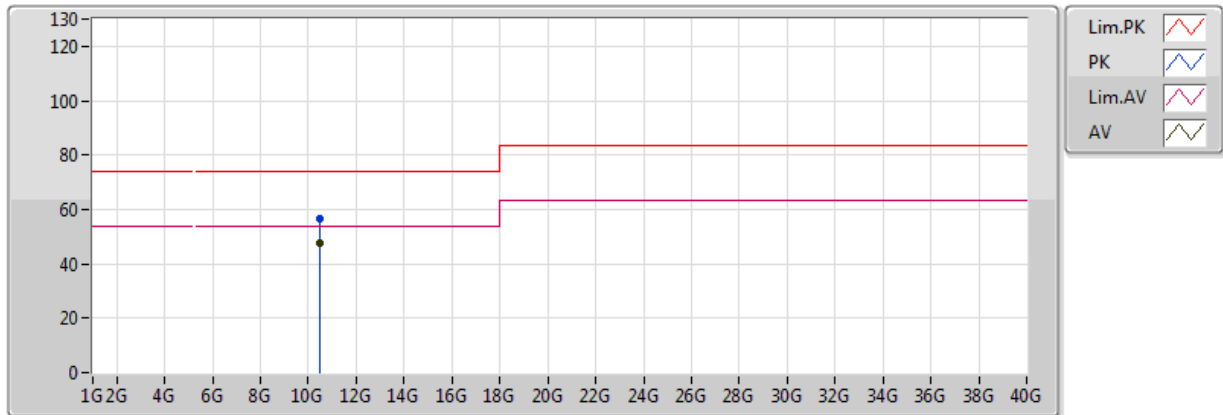


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	45.96	54.00	-8.04	13.10	3	V	360	1.50	-
PK	10.48G	55.95	74.00	-18.05	13.10	3	V	360	1.50	-

802.11a_(6Mbps)_1TX

5240MHz_TX

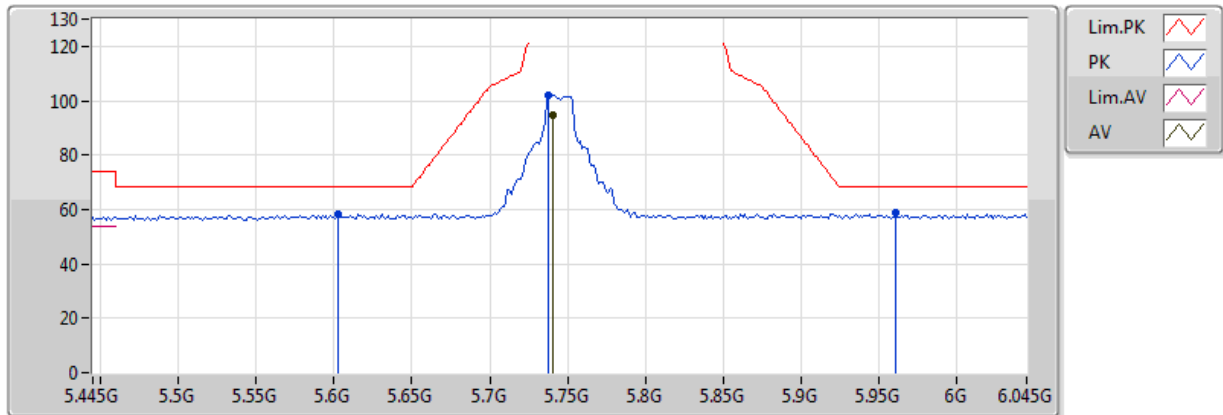


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	47.59	54.00	-6.41	13.10	3	H	0	1.50	-
PK	10.48G	56.47	74.00	-17.53	13.10	3	H	0	1.50	-

802.11a_(6Mbps)_1TX

5745MHz_TX

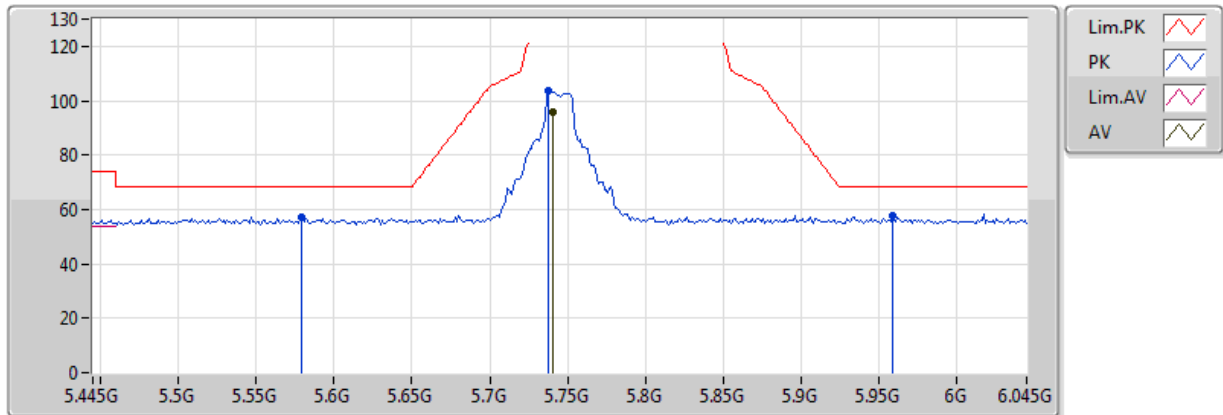


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7402G	94.54	Inf	-Inf	3.47	3	V	106	1.91	-
PK	5.6022G	58.27	68.20	-9.93	3.35	3	V	106	1.91	-
PK	5.7378G	102.25	Inf	-Inf	3.47	3	V	106	1.91	-
PK	5.961G	58.79	68.20	-9.41	3.65	3	V	106	1.91	-

802.11a_(6Mbps)_1TX

5745MHz_TX

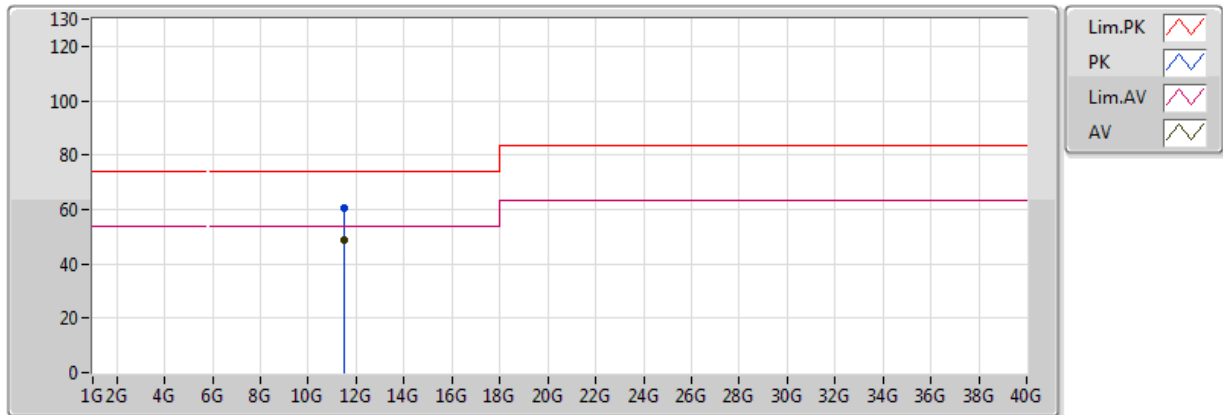


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7402G	96.00	Inf	-Inf	3.47	3	H	135	1.88	-
PK	5.5794G	57.06	68.20	-11.14	3.33	3	H	135	1.88	-
PK	5.7378G	103.73	Inf	-Inf	3.47	3	H	135	1.88	-
PK	5.9586G	57.44	68.20	-10.76	3.65	3	H	135	1.88	-

802.11a_(6Mbps)_1TX

5745MHz_TX

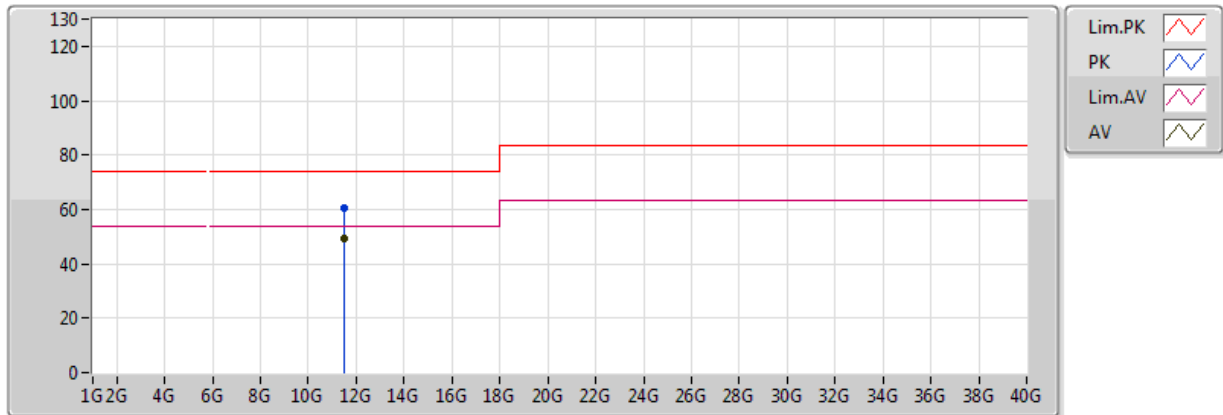


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	48.82	54.00	-5.18	13.63	3	V	161	2.42	-
PK	11.49G	60.34	74.00	-13.66	13.63	3	V	161	2.42	-

802.11a_(6Mbps)_1TX

5745MHz_TX

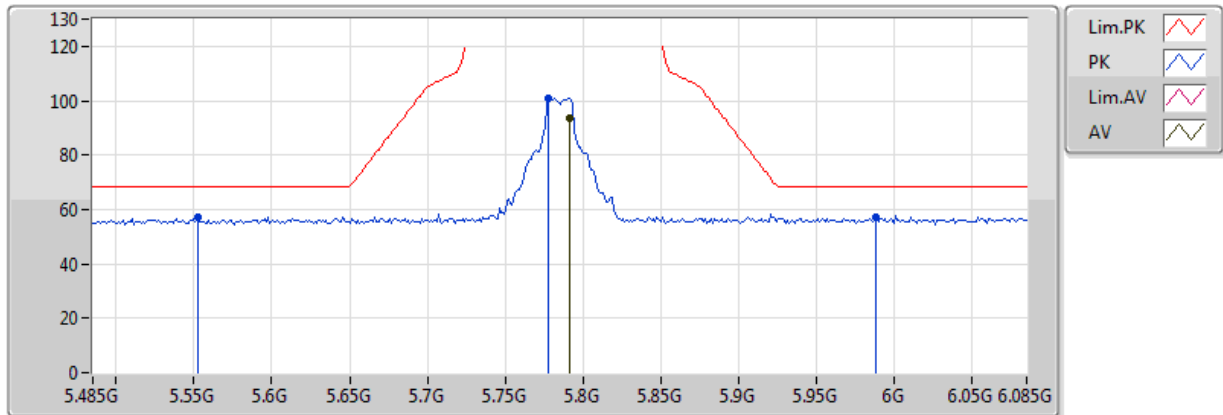


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	49.26	54.00	-4.74	13.63	3	H	128	1.77	-
PK	11.49G	60.29	74.00	-13.71	13.63	3	H	128	1.77	-

802.11a_(6Mbps)_1TX

5785MHz_TX

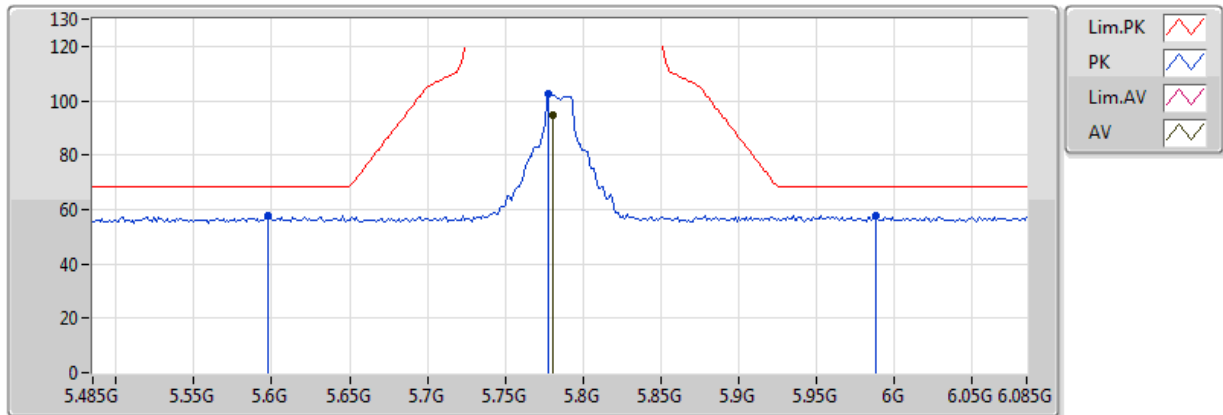


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.791G	93.44	Inf	-Inf	3.50	3	V	112	1.90	-
PK	5.5522G	57.24	68.20	-10.96	3.31	3	V	112	1.90	-
PK	5.7778G	100.75	Inf	-Inf	3.49	3	V	112	1.90	-
PK	5.9878G	56.90	68.20	-11.30	3.67	3	V	112	1.90	-

802.11a_(6Mbps)_1TX

5785MHz_TX

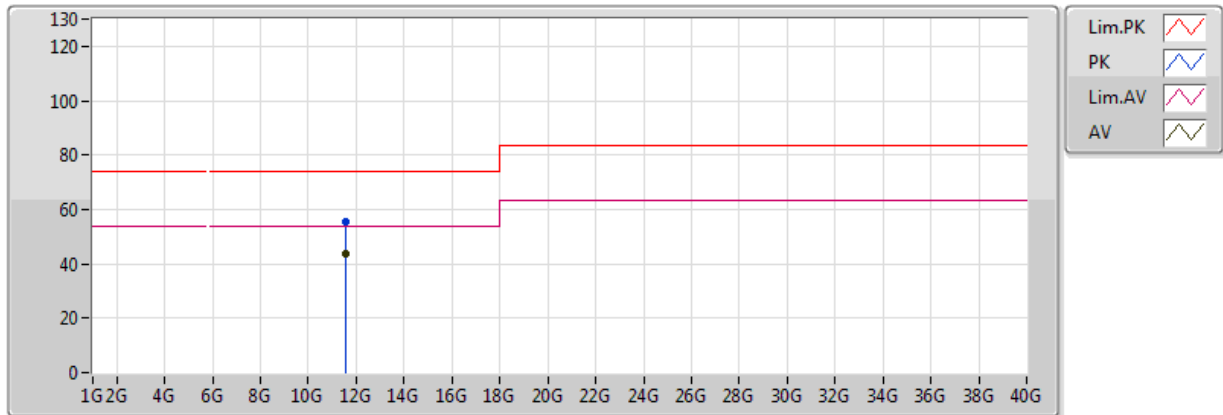


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7802G	94.72	Inf	-Inf	3.50	3	H	135	1.87	-
PK	5.5978G	57.86	68.20	-10.34	3.35	3	H	135	1.87	-
PK	5.7778G	102.29	Inf	-Inf	3.49	3	H	135	1.87	-
PK	5.9878G	57.74	68.20	-10.46	3.67	3	H	135	1.87	-

802.11a_(6Mbps)_1TX

5785MHz_TX

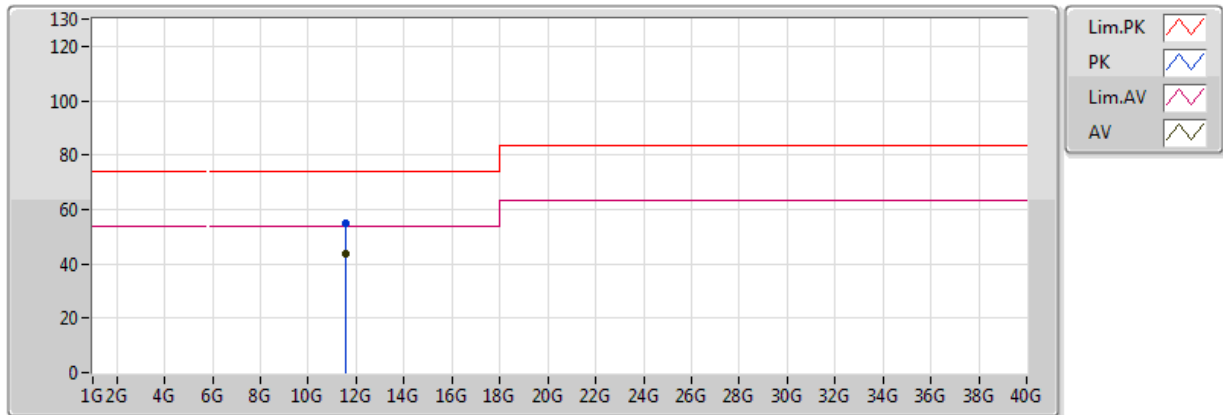


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	43.52	54.00	-10.48	13.49	3	V	360	1.50	-
PK	11.57G	55.58	74.00	-18.42	13.49	3	V	360	1.50	-

802.11a_(6Mbps)_1TX

5785MHz_TX

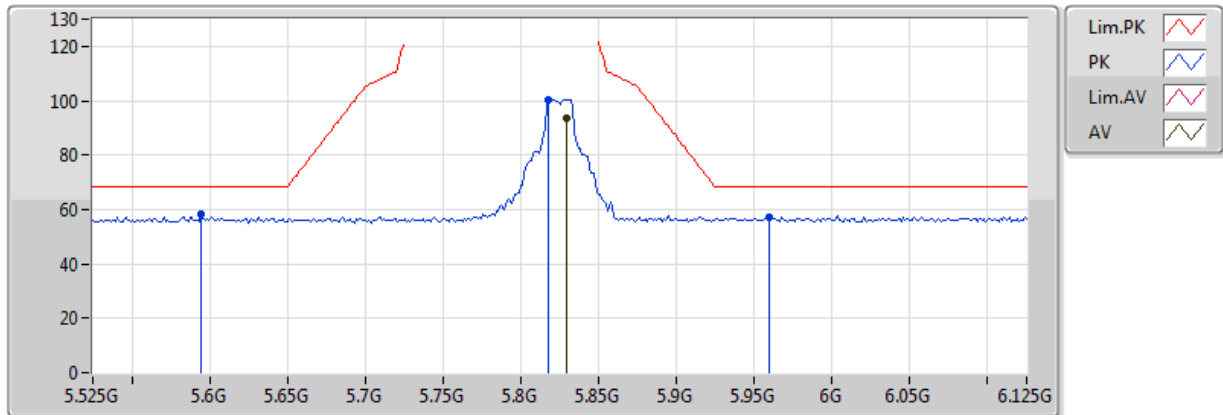


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	43.59	54.00	-10.41	13.49	3	H	0	1.50	-
PK	11.57G	54.95	74.00	-19.05	13.49	3	H	0	1.50	-

802.11a_(6Mbps)_1TX

5825MHz_TX

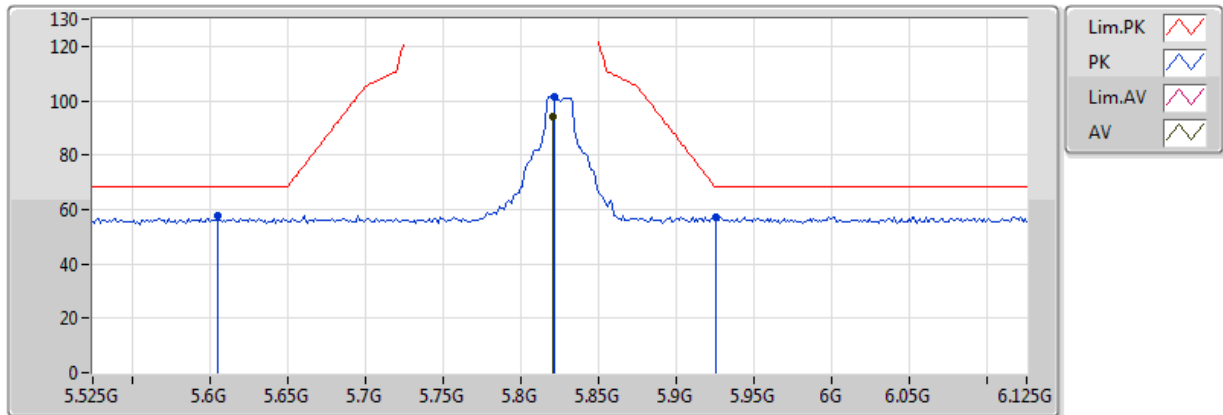


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8298G	93.40	Inf	-Inf	3.54	3	V	113	1.97	-
PK	5.5946G	58.28	68.20	-9.92	3.35	3	V	113	1.97	-
PK	5.8178G	100.54	Inf	-Inf	3.53	3	V	113	1.97	-
PK	5.9594G	57.21	68.20	-10.99	3.65	3	V	113	1.97	-

802.11a_(6Mbps)_1TX

5825MHz_TX

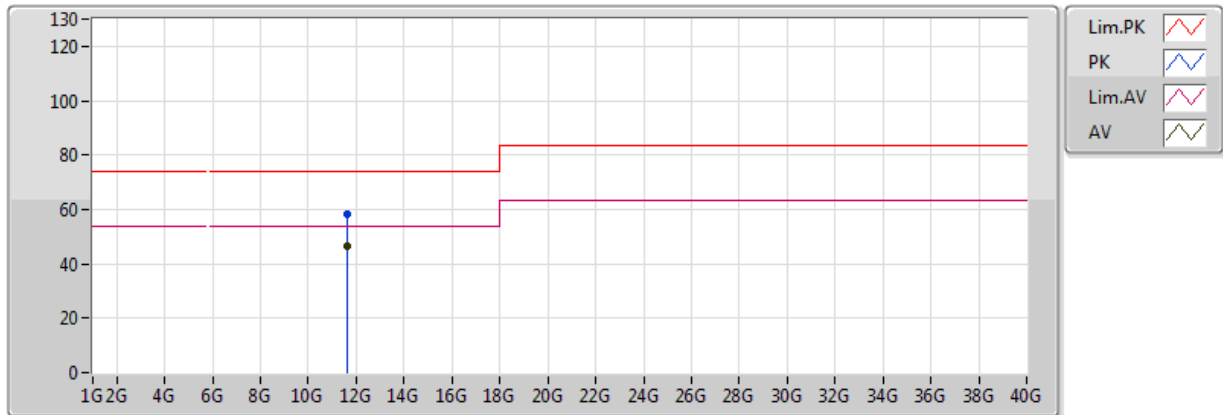


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.8202G	94.16	Inf	-Inf	3.53	3	H	132	1.12	-
PK	5.6054G	57.54	68.20	-10.66	3.35	3	H	132	1.12	-
PK	5.8214G	101.58	Inf	-Inf	3.53	3	H	132	1.12	-
PK	5.9258G	57.32	68.20	-10.88	3.62	3	H	132	1.12	-

802.11a_(6Mbps)_1TX

5825MHz_TX

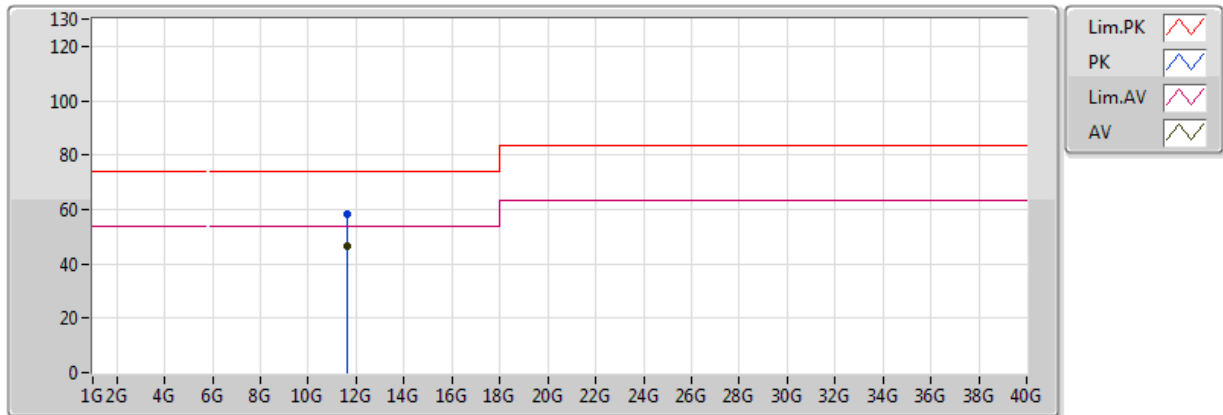


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	46.56	54.00	-7.44	13.35	3	V	163	2.48	-
PK	11.65G	58.46	74.00	-15.54	13.35	3	V	163	2.48	-

802.11a_(6Mbps)_1TX

5825MHz_TX

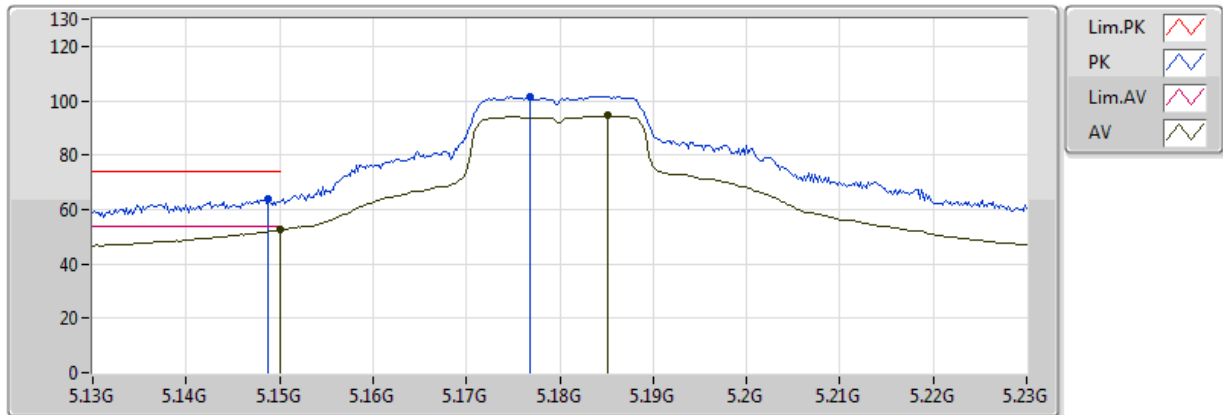


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	46.70	54.00	-7.30	13.35	3	H	135	1.78	-
PK	11.65G	58.48	74.00	-15.52	13.35	3	H	135	1.78	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

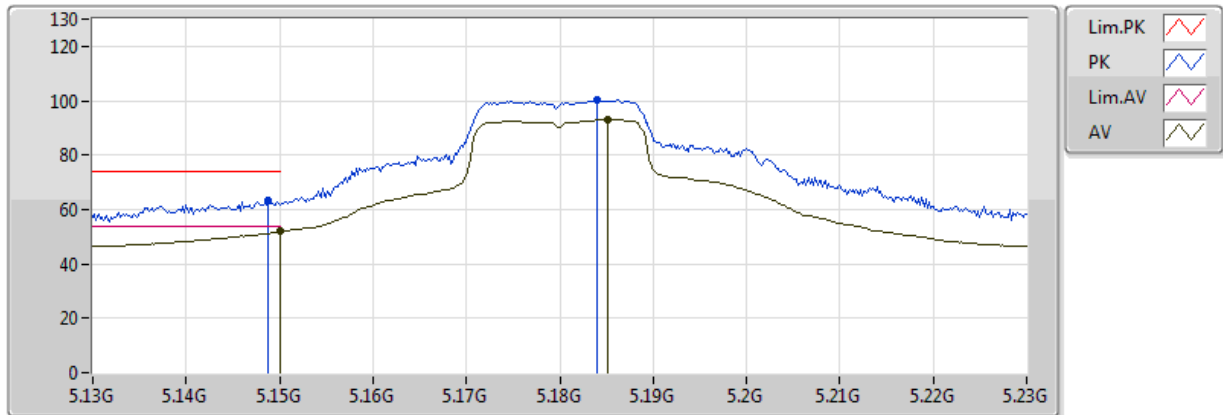


EUT=Y axis with Stand

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	94.44	Inf	-Inf	2.94	3	V	84	1.02	-
AV	5.149995G	52.51	54.00	-1.49	2.90	3	V	84	1.02	-
PK	5.1768G	101.66	Inf	-Inf	2.93	3	V	84	1.02	-
PK	5.1488G	63.98	74.00	-10.02	2.90	3	V	84	1.02	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

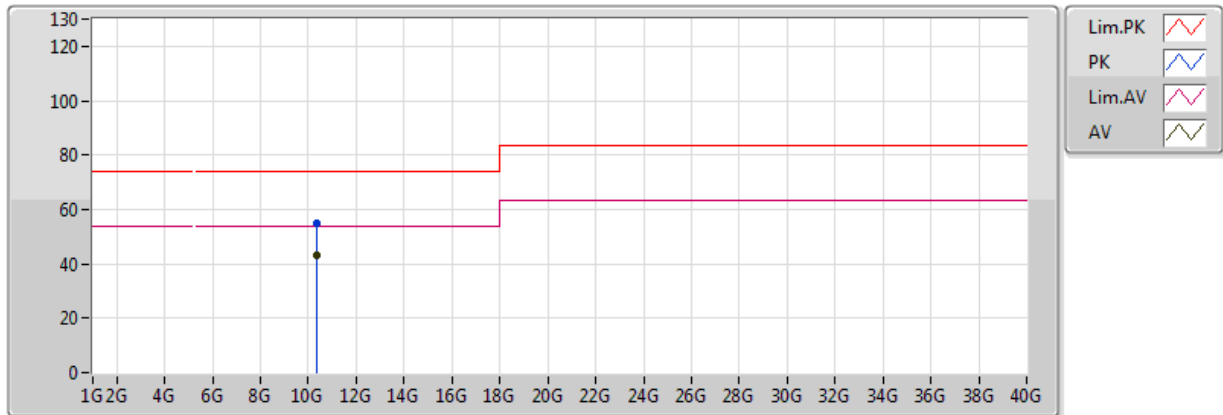


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.85	54.00	-2.15	2.90	3	H	275	1.98	-
AV	5.1852G	93.04	Inf	-Inf	2.94	3	H	275	1.98	-
PK	5.1488G	63.43	74.00	-10.57	2.90	3	H	275	1.98	-
PK	5.184G	100.20	Inf	-Inf	2.93	3	H	275	1.98	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

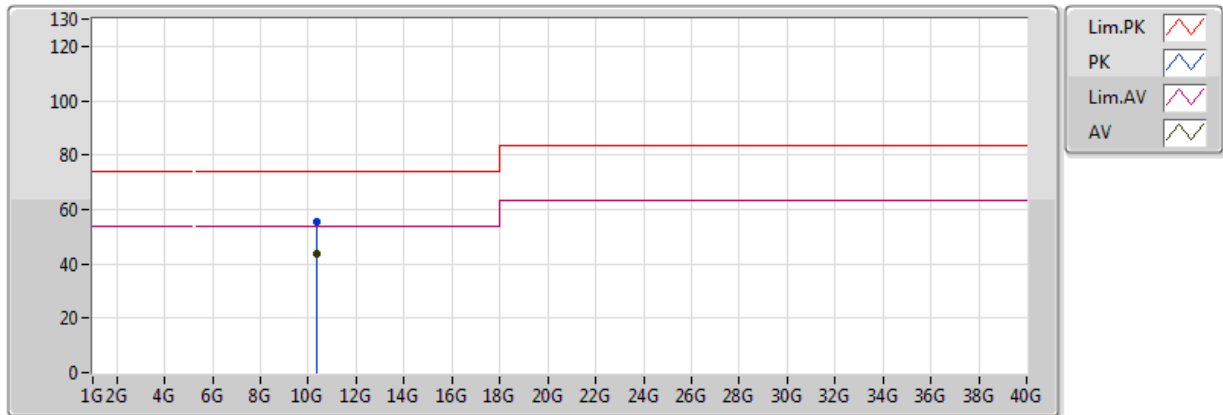


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.39	54.00	-10.61	12.78	3	V	360	1.50	-
PK	10.36G	54.80	74.00	-19.20	12.78	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5180MHz_TX

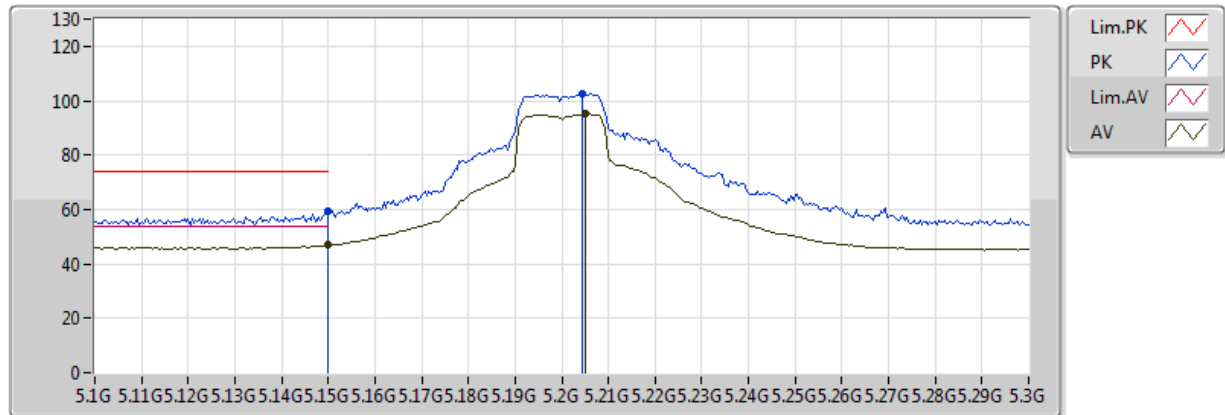


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.36G	43.81	54.00	-10.19	12.78	3	H	0	1.50	-
PK	10.36G	55.20	74.00	-18.80	12.78	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

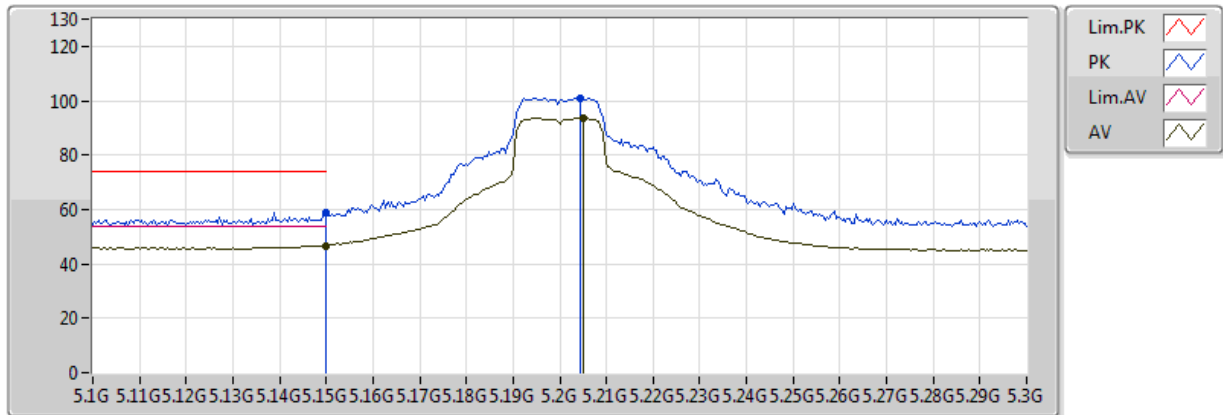


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	46.80	54.00	-7.20	2.90	3	V	88	1.00	-
AV	5.2052G	95.21	Inf	-Inf	2.96	3	V	88	1.00	-
PK	5.149995G	59.48	74.00	-14.52	2.90	3	V	88	1.00	-
PK	5.2044G	102.45	Inf	-Inf	2.95	3	V	88	1.00	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

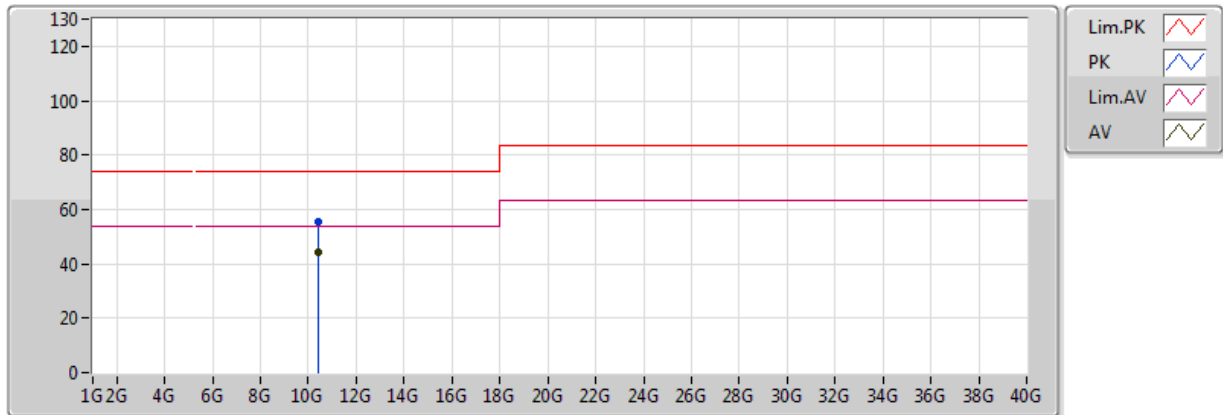


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	46.73	54.00	-7.27	2.90	3	H	269	2.31	-
AV	5.2052G	93.60	Inf	-Inf	2.96	3	H	269	2.31	-
PK	5.149995G	58.96	74.00	-15.04	2.90	3	H	269	2.31	-
PK	5.2044G	101.01	Inf	-Inf	2.95	3	H	269	2.31	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

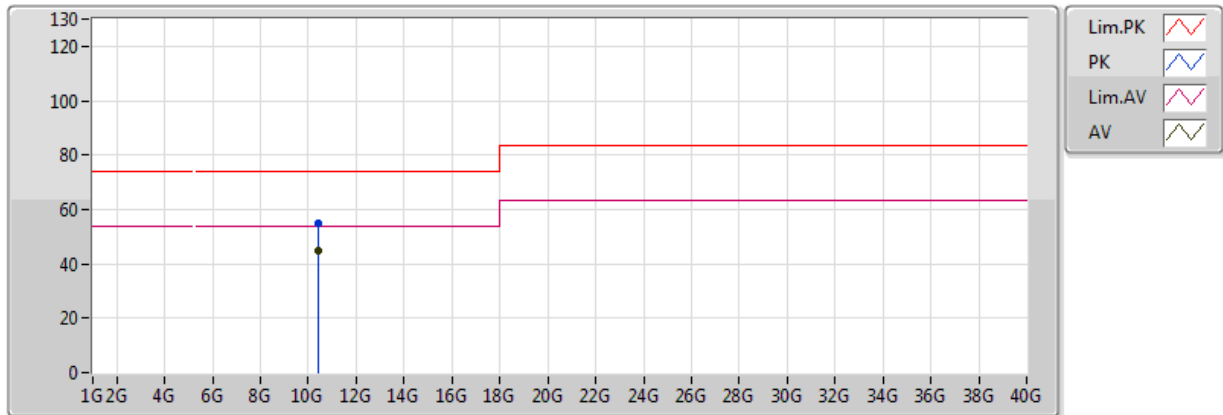


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	44.13	54.00	-9.87	12.89	3	V	0	1.50	-
PK	10.4G	55.28	74.00	-18.72	12.89	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5200MHz_TX

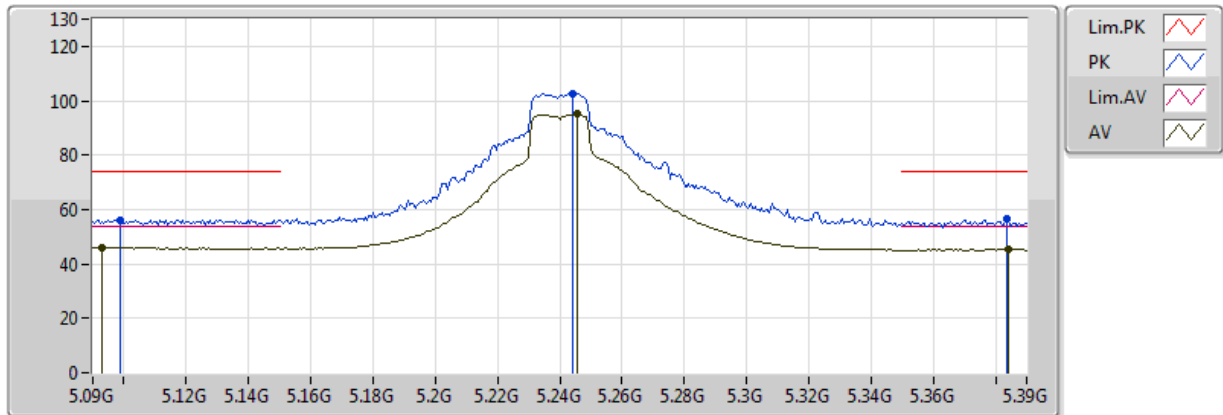


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.4G	44.82	54.00	-9.18	12.89	3	H	360	1.50	-
PK	10.4G	55.13	74.00	-18.87	12.89	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

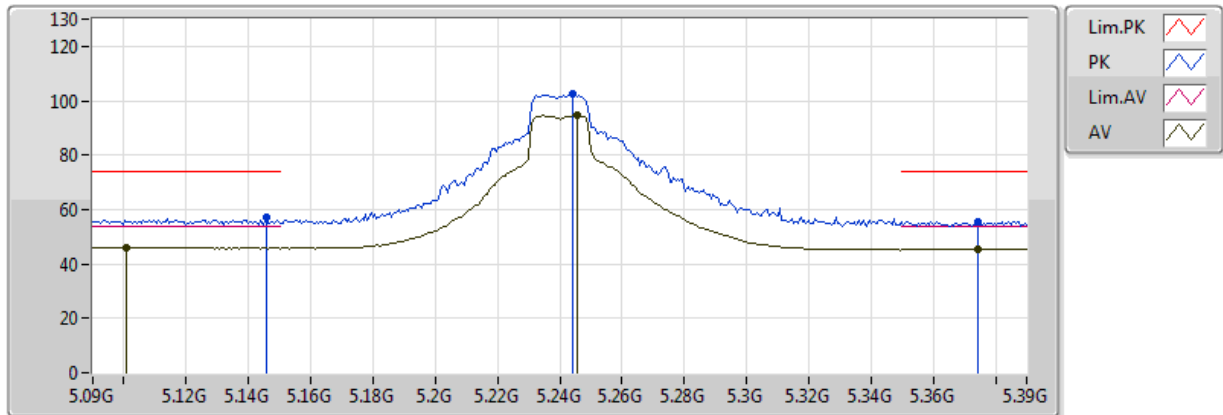


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.093G	45.81	54.00	-8.19	2.84	3	V	87	1.50	-
AV	5.2454G	95.06	Inf	-Inf	3.00	3	V	87	1.50	-
AV	5.384G	45.23	54.00	-8.77	3.14	3	V	87	1.50	-
PK	5.099G	56.30	74.00	-17.70	2.85	3	V	87	1.50	-
PK	5.2442G	102.62	Inf	-Inf	3.00	3	V	87	1.50	-
PK	5.3834G	56.39	74.00	-17.61	3.14	3	V	87	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

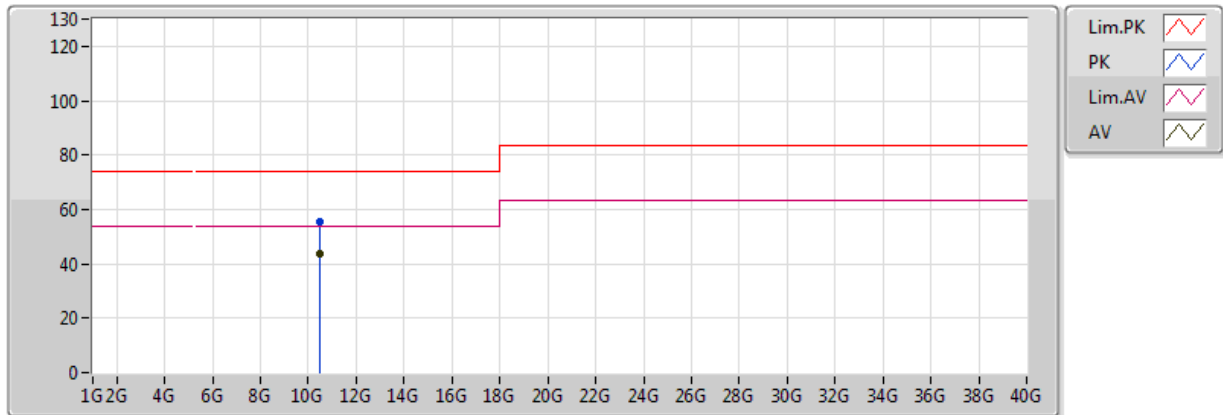


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1008G	45.94	54.00	-8.06	2.85	3	H	277	1.01	-
AV	5.2454G	94.60	Inf	-Inf	3.00	3	H	277	1.01	-
AV	5.3744G	45.38	54.00	-8.62	3.13	3	H	277	1.01	-
PK	5.1458G	57.14	74.00	-16.86	2.90	3	H	277	1.01	-
PK	5.2442G	102.35	Inf	-Inf	3.00	3	H	277	1.01	-
PK	5.3744G	55.75	74.00	-18.25	3.13	3	H	277	1.01	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

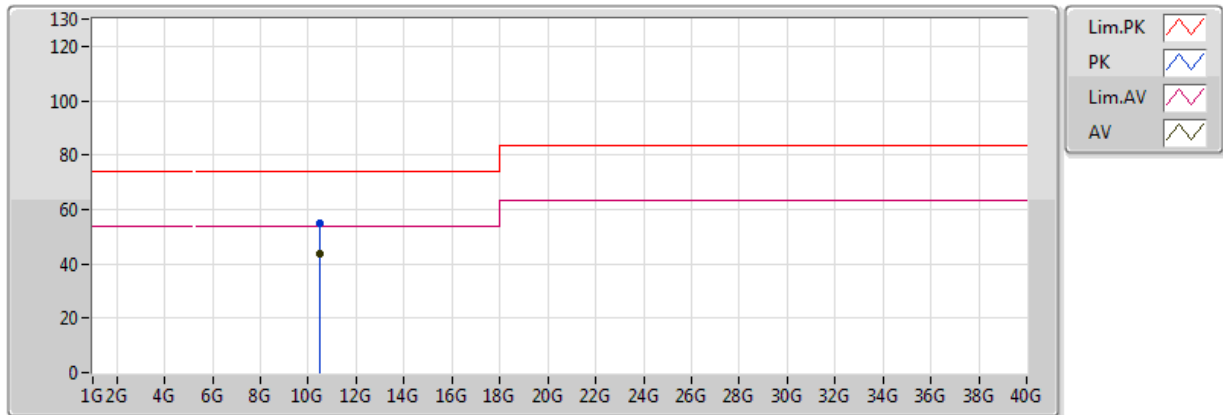


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	43.57	54.00	-10.43	13.10	3	V	360	1.50	-
PK	10.48G	55.71	74.00	-18.29	13.10	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5240MHz_TX

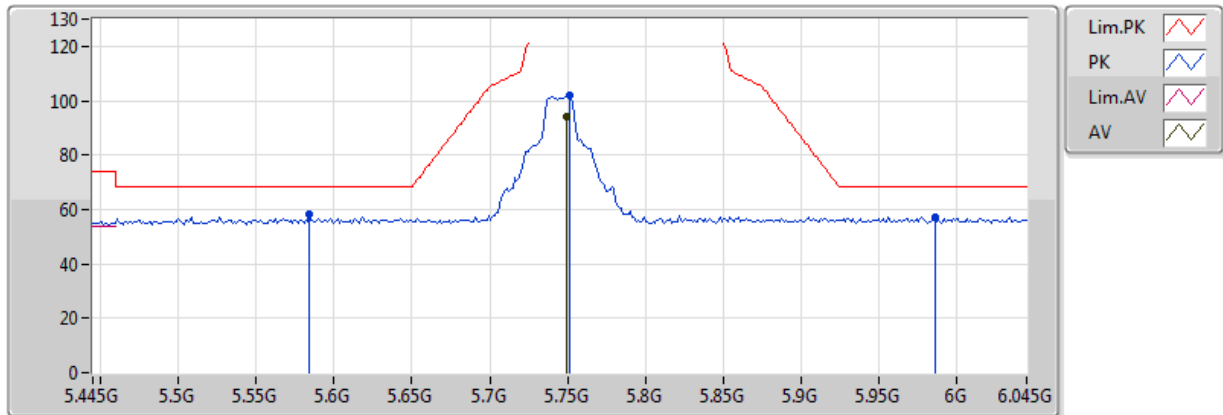


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.48G	43.57	54.00	-10.43	13.10	3	H	0	1.50	-
PK	10.48G	55.04	74.00	-18.96	13.10	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

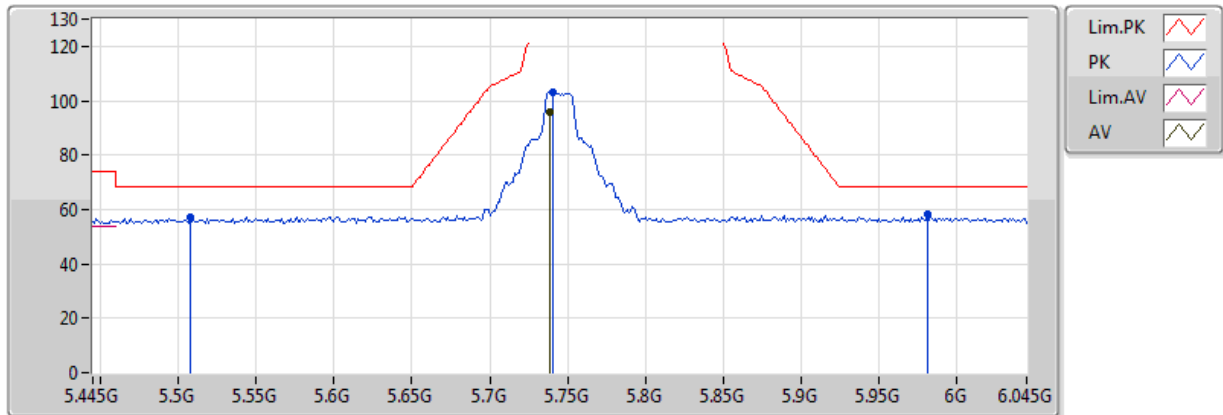


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7498G	93.94	Inf	-Inf	3.47	3	V	104	1.83	-
PK	5.5842G	58.30	68.20	-9.90	3.34	3	V	104	1.83	-
PK	5.751G	101.76	Inf	-Inf	3.48	3	V	104	1.83	-
PK	5.9862G	57.18	68.20	-11.02	3.67	3	V	104	1.83	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

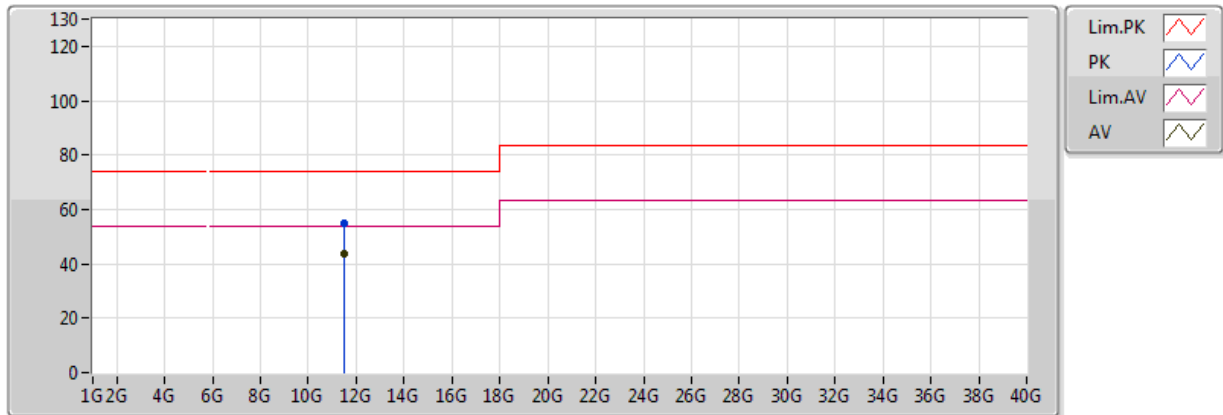


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.739G	95.76	Inf	-Inf	3.47	3	H	135	1.89	-
PK	5.5074G	57.20	68.20	-11.00	3.28	3	H	135	1.89	-
PK	5.7402G	103.21	Inf	-Inf	3.47	3	H	135	1.89	-
PK	5.9814G	58.17	68.20	-10.03	3.67	3	H	135	1.89	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

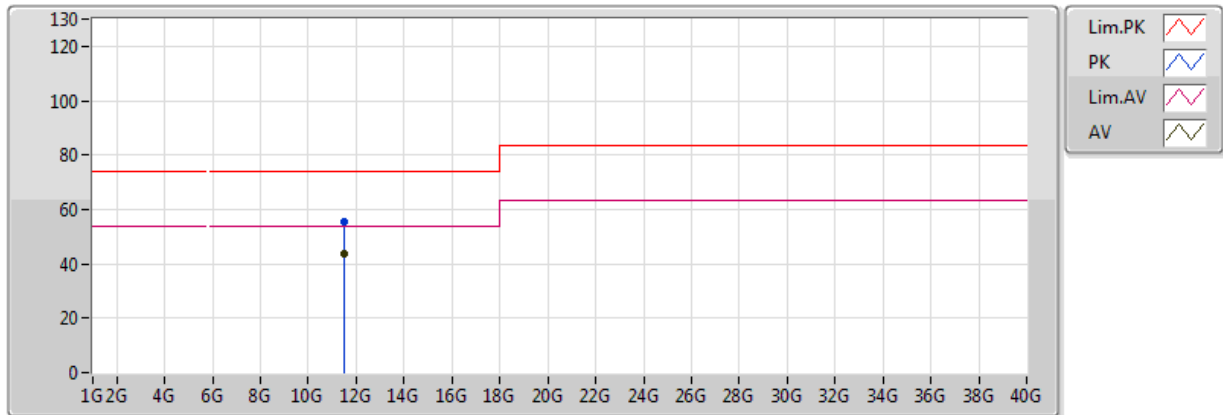


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	43.56	54.00	-10.44	13.63	3	V	0	1.50	-
PK	11.49G	55.14	74.00	-18.86	13.63	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5745MHz_TX

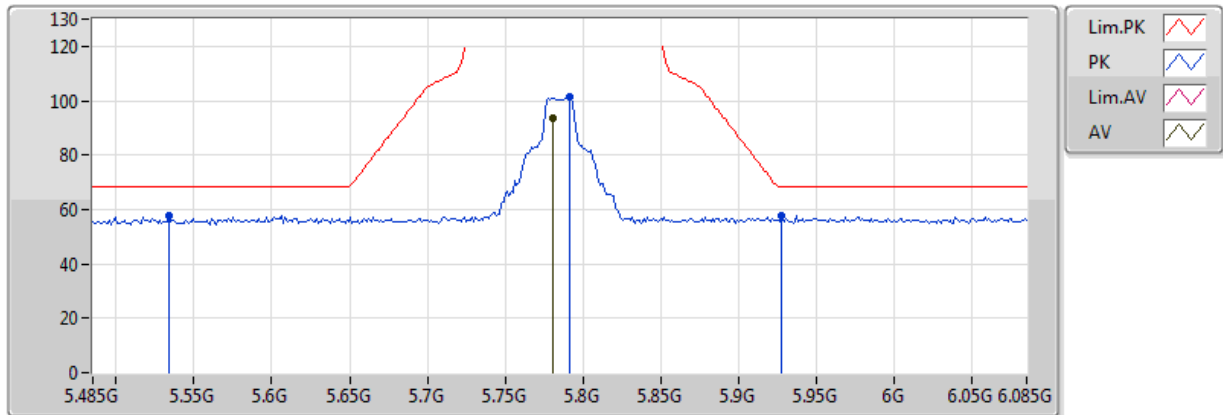


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.49G	43.57	54.00	-10.43	13.63	3	H	360	1.50	-
PK	11.49G	55.59	74.00	-18.41	13.63	3	H	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

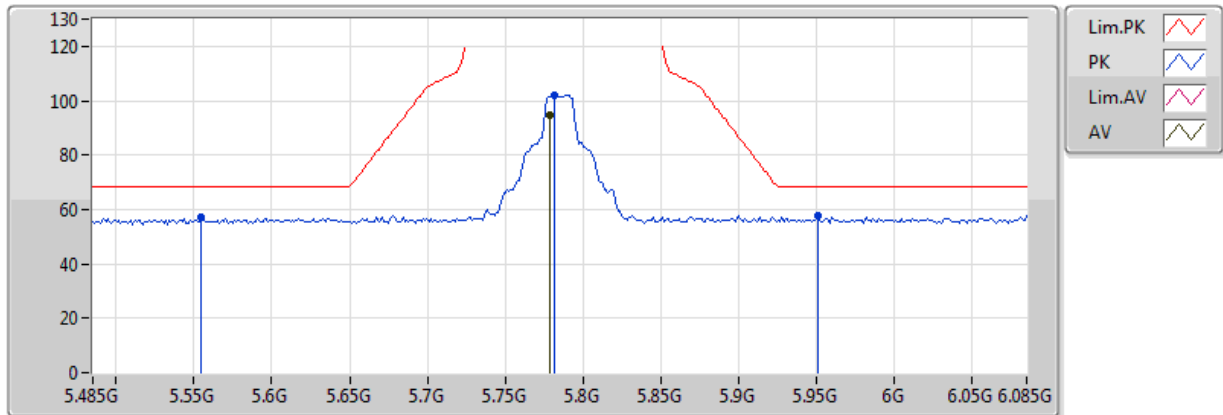


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7802G	93.62	Inf	-Inf	3.50	3	V	112	1.93	-
PK	5.5342G	57.78	68.20	-10.42	3.30	3	V	112	1.93	-
PK	5.791G	101.17	Inf	-Inf	3.50	3	V	112	1.93	-
PK	5.9278G	57.89	68.20	-10.31	3.62	3	V	112	1.93	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

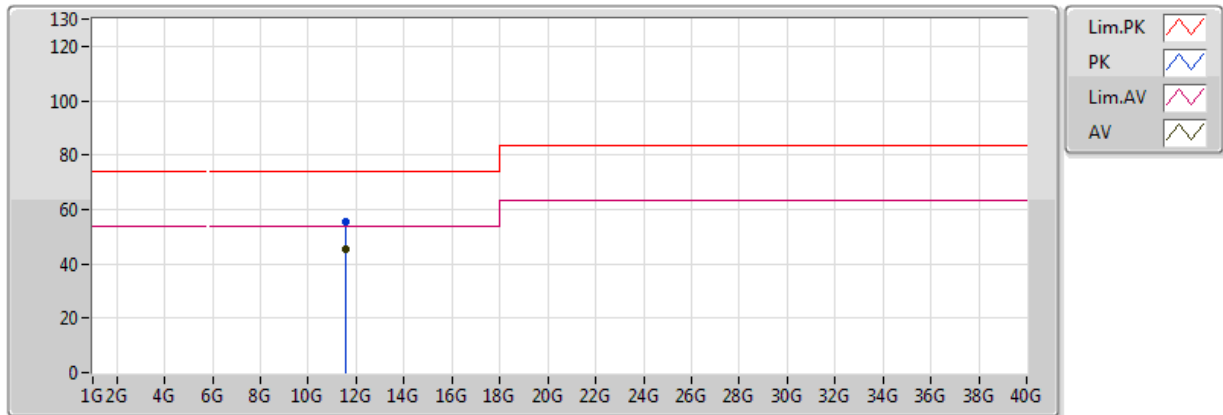


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.779G	94.66	Inf	-Inf	3.50	3	H	134	1.16	-
PK	5.5546G	57.23	68.20	-10.97	3.31	3	H	134	1.16	-
PK	5.7814G	102.12	Inf	-Inf	3.50	3	H	134	1.16	-
PK	5.9506G	57.46	68.20	-10.74	3.64	3	H	134	1.16	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

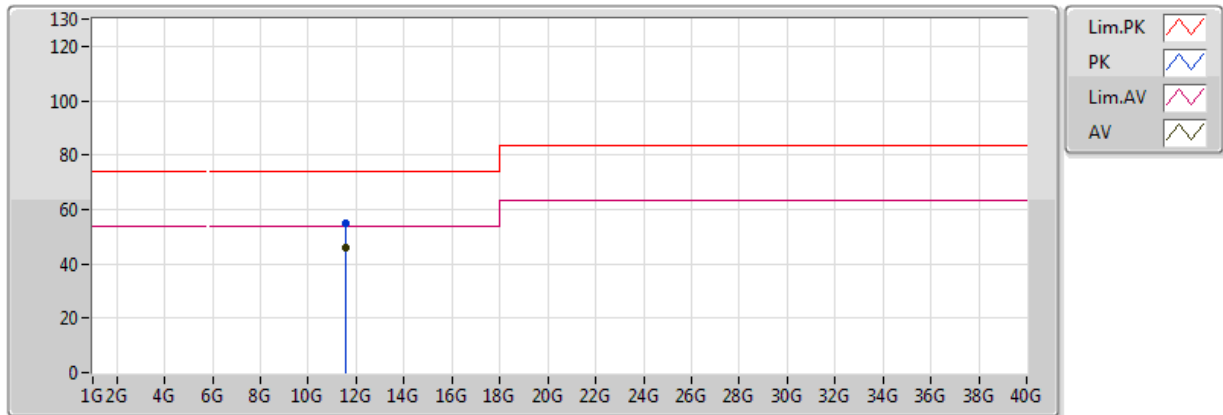


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	45.26	54.00	-8.74	13.49	3	V	360	1.50	-
PK	11.57G	55.26	74.00	-18.74	13.49	3	V	360	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5785MHz_TX

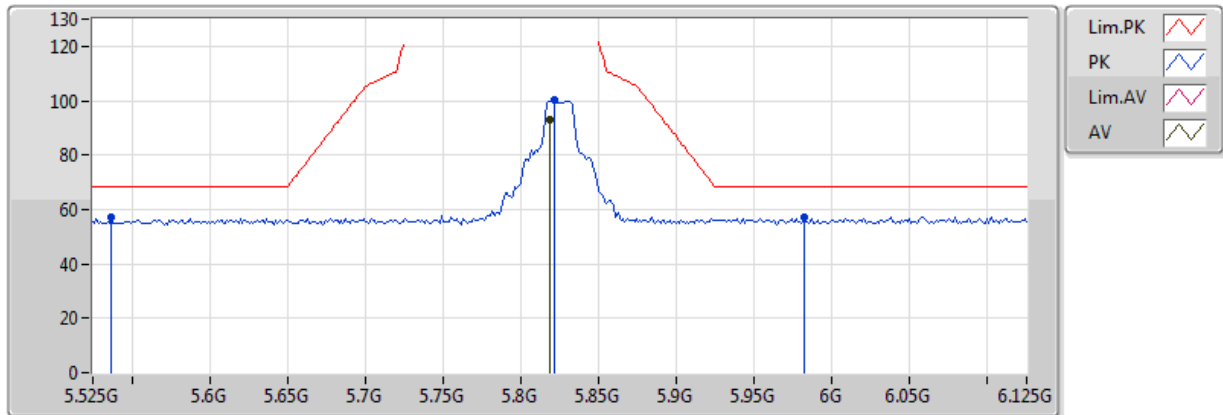


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.57G	46.16	54.00	-7.84	13.49	3	H	0	1.50	-
PK	11.57G	55.01	74.00	-18.99	13.49	3	H	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

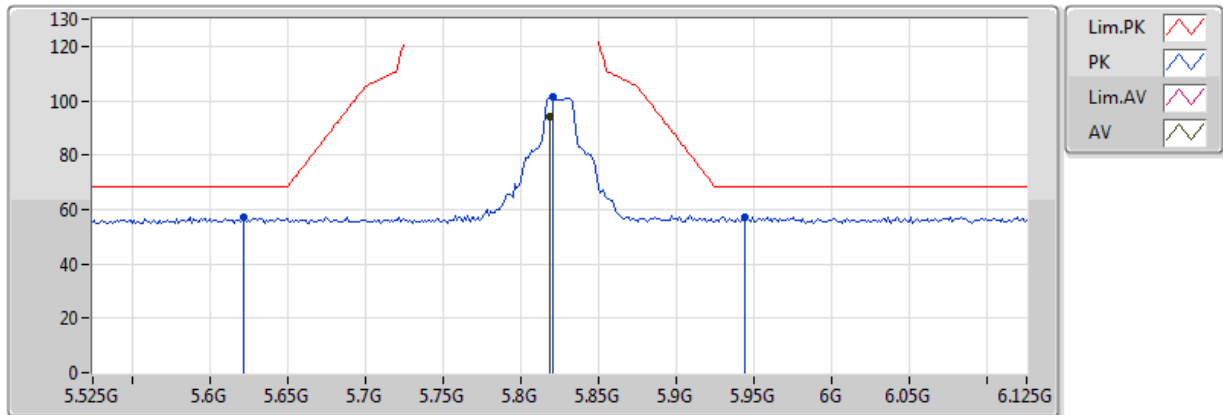


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.819G	92.95	Inf	-Inf	3.53	3	V	114	1.88	-
PK	5.537G	57.32	68.20	-10.88	3.30	3	V	114	1.88	-
PK	5.8214G	100.21	Inf	-Inf	3.53	3	V	114	1.88	-
PK	5.9822G	56.99	68.20	-11.21	3.67	3	V	114	1.88	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

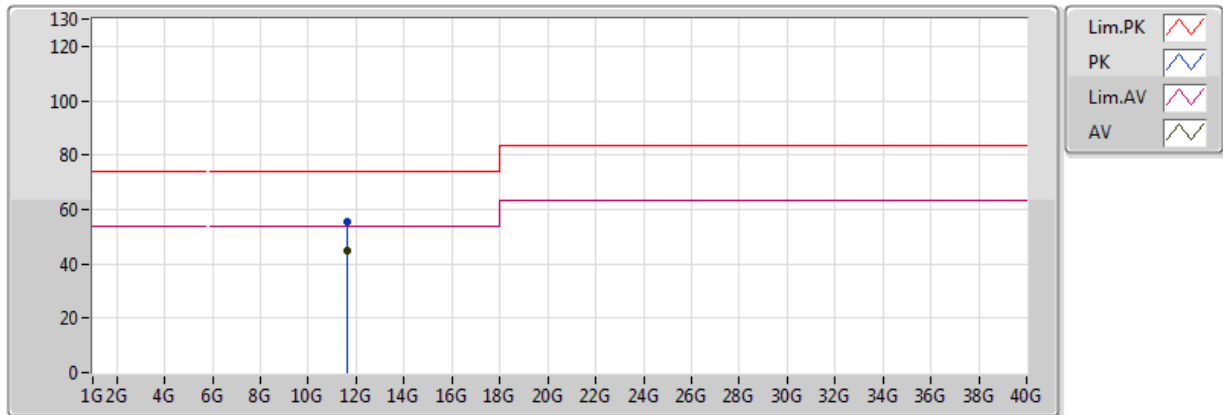


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.819G	93.91	Inf	-Inf	3.53	3	H	134	1.19	-
PK	5.6222G	57.17	68.20	-11.03	3.37	3	H	134	1.19	-
PK	5.8202G	101.44	Inf	-Inf	3.53	3	H	134	1.19	-
PK	5.9438G	57.31	68.20	-10.89	3.64	3	H	134	1.19	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

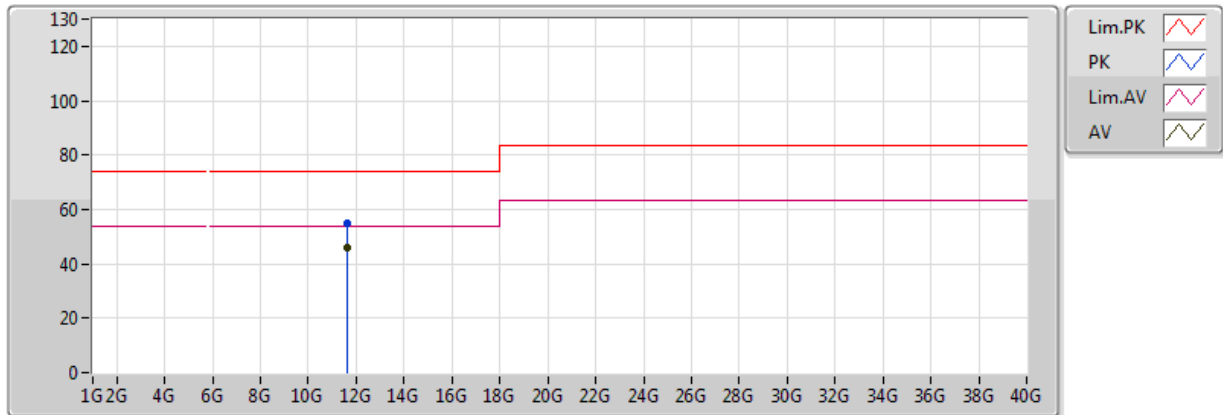


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	44.88	54.00	-9.12	13.35	3	V	0	1.50	-
PK	11.65G	55.24	74.00	-18.76	13.35	3	V	0	1.50	-

802.11ac VHT20_Nss1,(MCS0)_1TX

5825MHz_TX

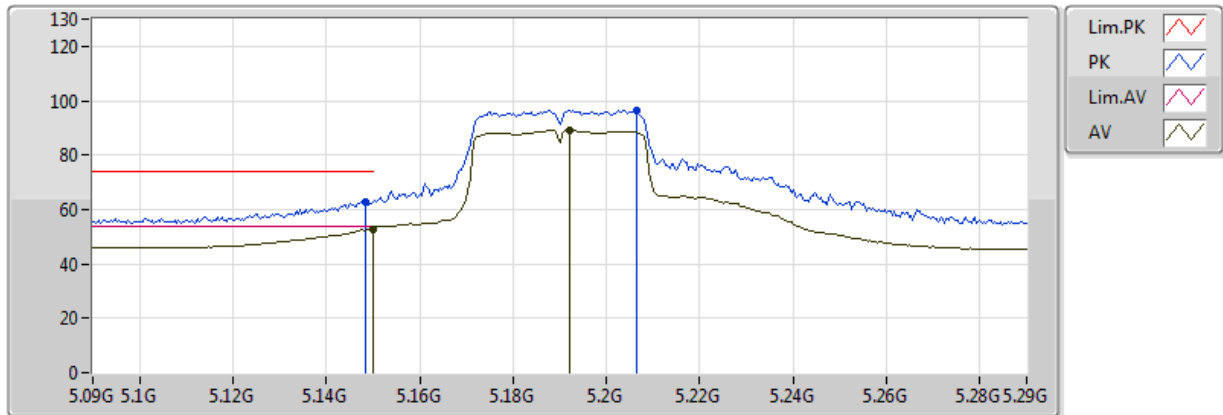


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.65G	45.78	54.00	-8.22	13.35	3	H	360	1.50	-
PK	11.65G	55.10	74.00	-18.90	13.35	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

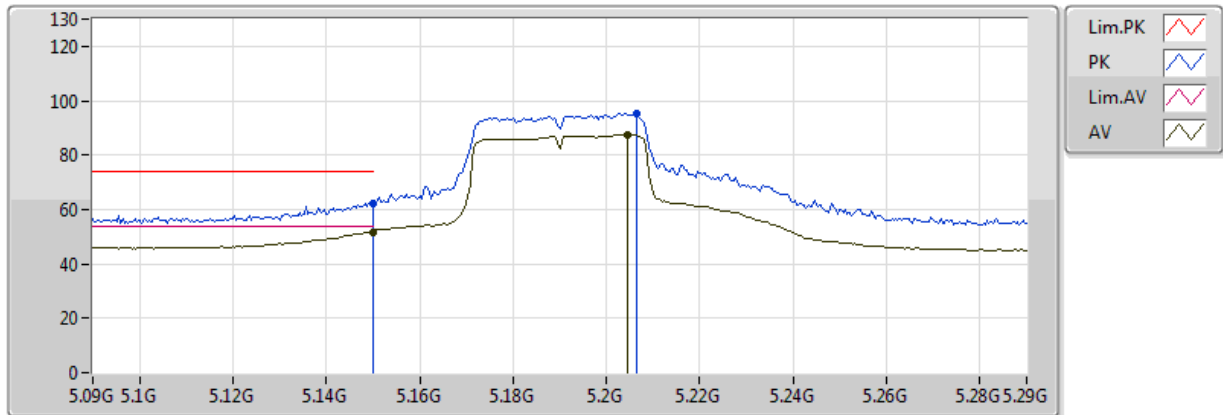


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.192G	89.09	Inf	-Inf	2.94	3	V	86	1.20	-
AV	5.149995G	52.79	54.00	-1.21	2.90	3	V	86	1.20	-
PK	5.2064G	96.44	Inf	-Inf	2.96	3	V	86	1.20	-
PK	5.1484G	63.02	74.00	-10.98	2.90	3	V	86	1.20	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

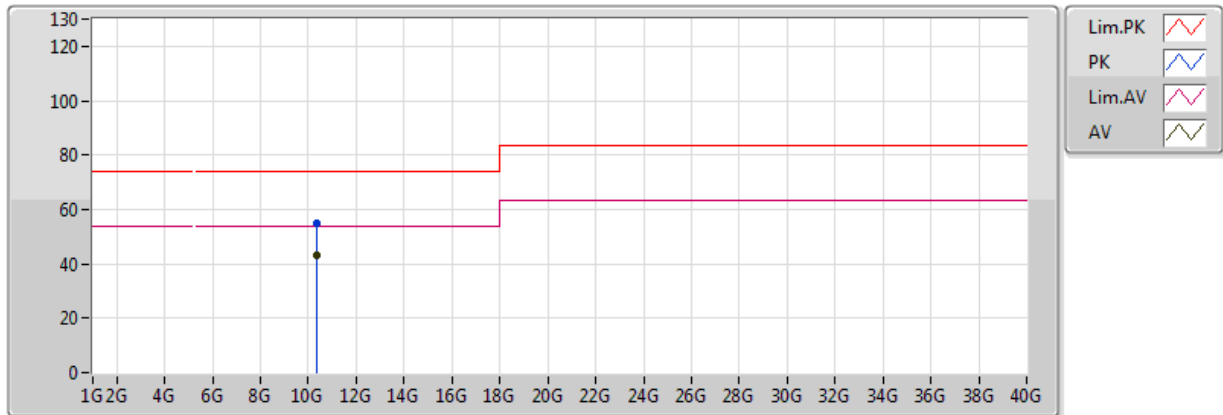


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.149995G	51.70	54.00	-2.30	2.90	3	H	268	2.28	-
AV	5.2044G	87.53	Inf	-Inf	2.95	3	H	268	2.28	-
PK	5.149995G	62.37	74.00	-11.63	2.90	3	H	268	2.28	-
PK	5.2064G	95.50	Inf	-Inf	2.96	3	H	268	2.28	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

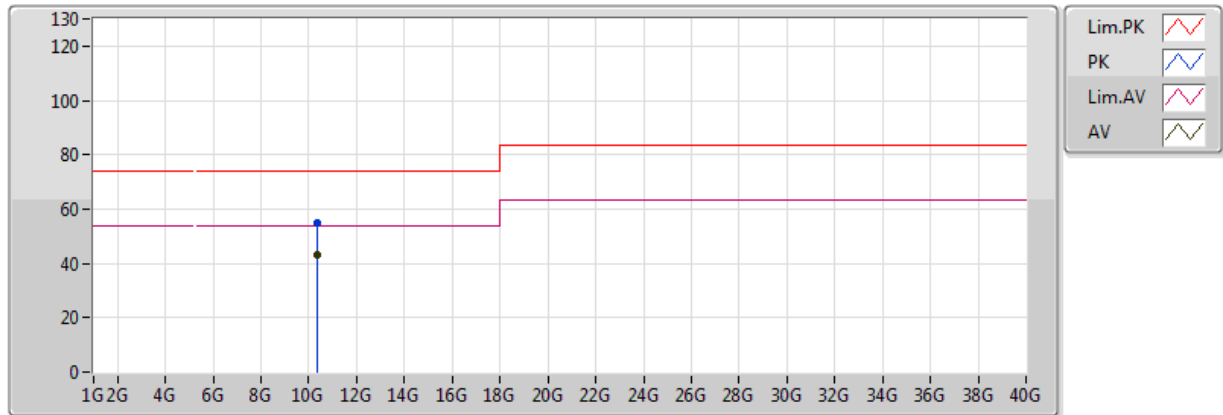


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.38G	43.33	54.00	-10.67	12.84	3	V	360	1.50	-
PK	10.38G	54.78	74.00	-19.22	12.84	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5190MHz_TX

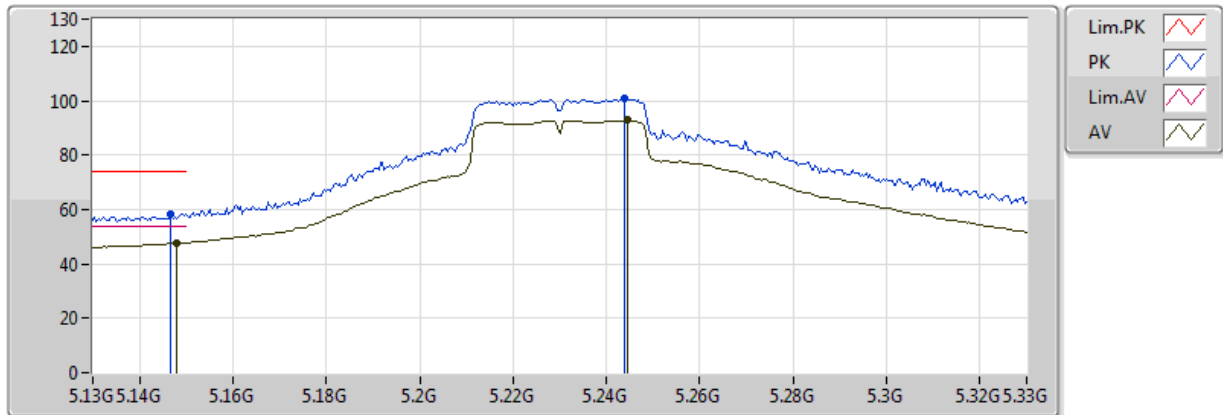


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.38G	43.41	54.00	-10.59	12.84	3	H	0	1.50	-
PK	10.38G	55.08	74.00	-18.92	12.84	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

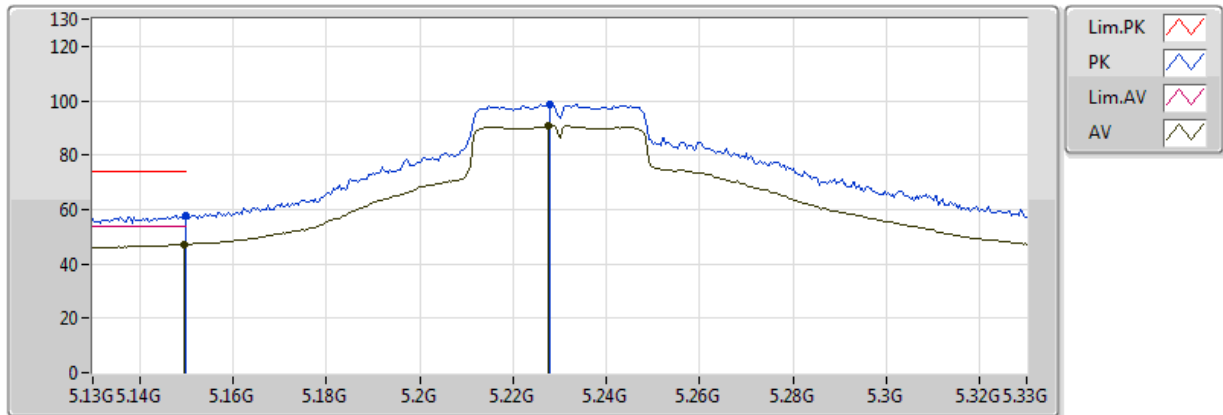


EUT=Y axis with Stand

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	47.77	54.00	-6.23	2.90	3	V	86	1.05	-
AV	5.2444G	92.74	Inf	-Inf	3.00	3	V	86	1.05	-
PK	5.1468G	58.48	74.00	-15.52	2.90	3	V	86	1.05	-
PK	5.244G	100.88	Inf	-Inf	3.00	3	V	86	1.05	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

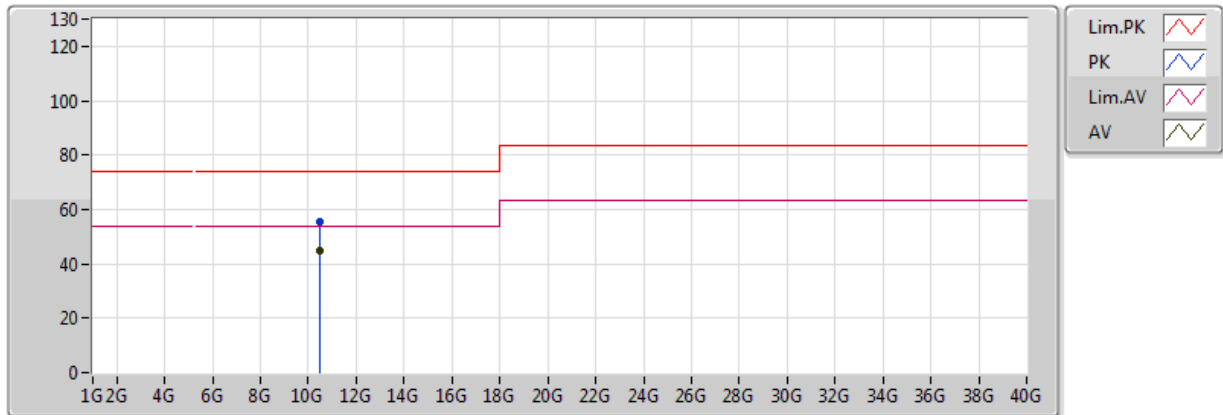


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.1496G	47.18	54.00	-6.82	2.90	3	H	277	2.39	-
AV	5.2276G	90.62	Inf	-Inf	2.98	3	H	277	2.39	-
PK	5.149995G	57.99	74.00	-16.01	2.90	3	H	277	2.39	-
PK	5.228G	98.66	Inf	-Inf	2.98	3	H	277	2.39	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

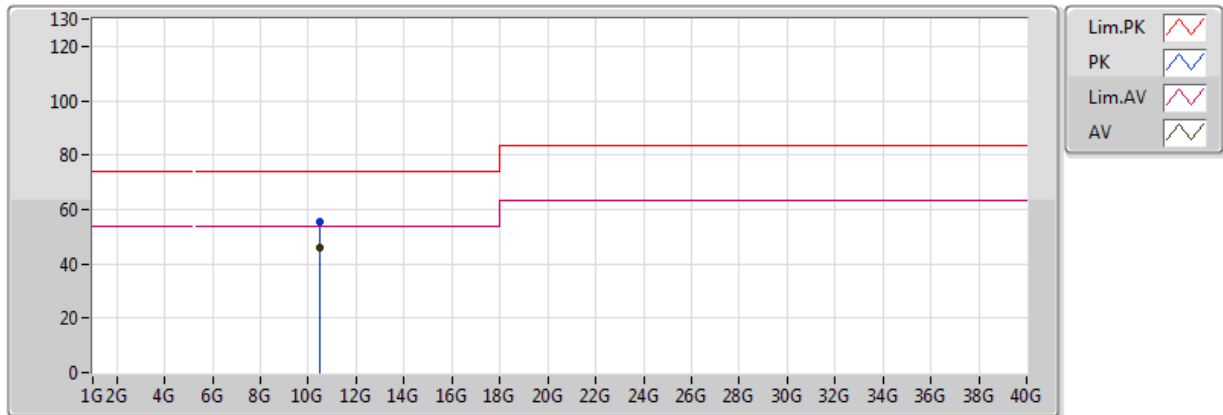


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.46G	44.57	54.00	-9.43	13.05	3	V	0	1.50	-
PK	10.46G	55.71	74.00	-18.29	13.05	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5230MHz_TX

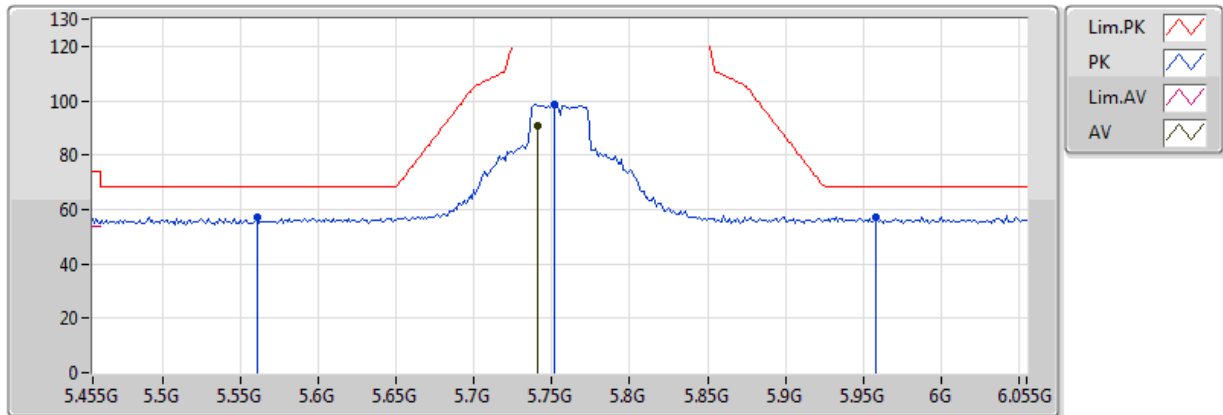


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.46G	46.06	54.00	-7.94	13.05	3	H	360	1.50	-
PK	10.46G	55.27	74.00	-18.73	13.05	3	H	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

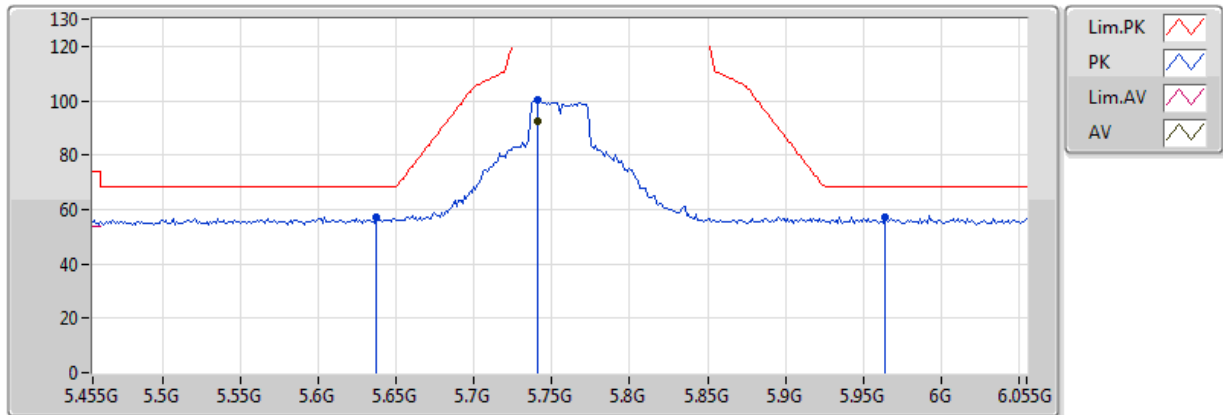


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7406G	90.75	Inf	-Inf	3.47	3	V	114	1.91	-
PK	5.5606G	57.31	68.20	-10.89	3.32	3	V	114	1.91	-
PK	5.7514G	98.44	Inf	-Inf	3.48	3	V	114	1.91	-
PK	5.9578G	57.33	68.20	-10.87	3.65	3	V	114	1.91	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

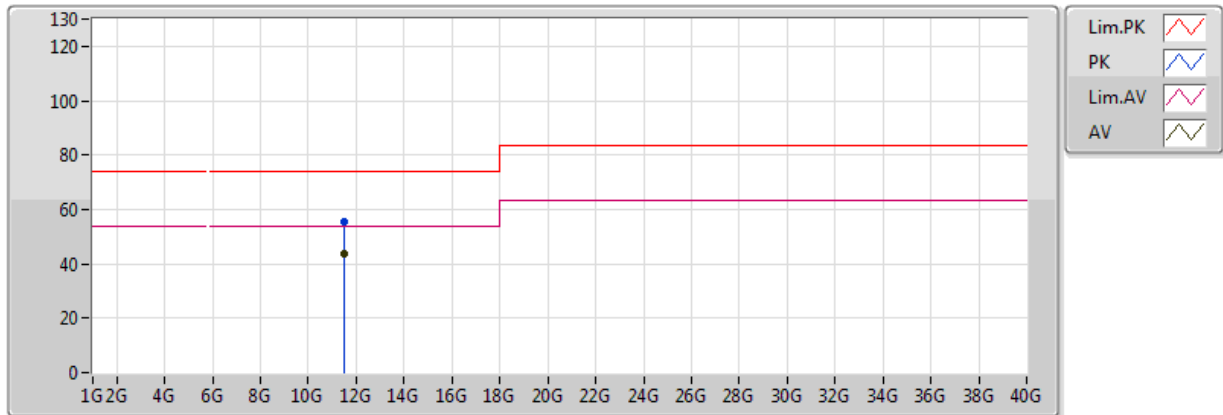


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7406G	92.48	Inf	-Inf	3.47	3	H	135	1.86	-
PK	5.6374G	56.96	68.20	-11.24	3.38	3	H	135	1.86	-
PK	5.7406G	100.28	Inf	-Inf	3.47	3	H	135	1.86	-
PK	5.9638G	57.16	68.20	-11.04	3.65	3	H	135	1.86	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

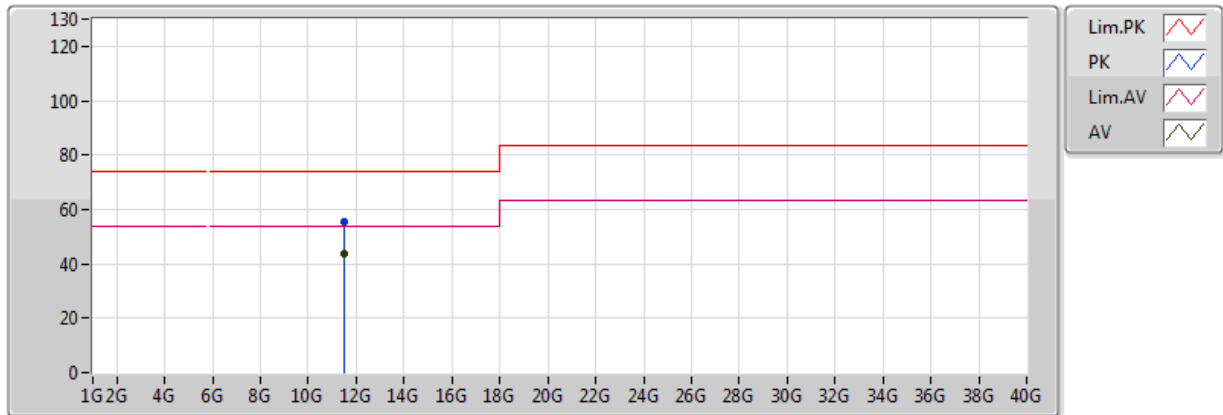


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	43.45	54.00	-10.55	13.59	3	V	360	1.50	-
PK	11.51G	55.41	74.00	-18.59	13.59	3	V	360	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5755MHz_TX

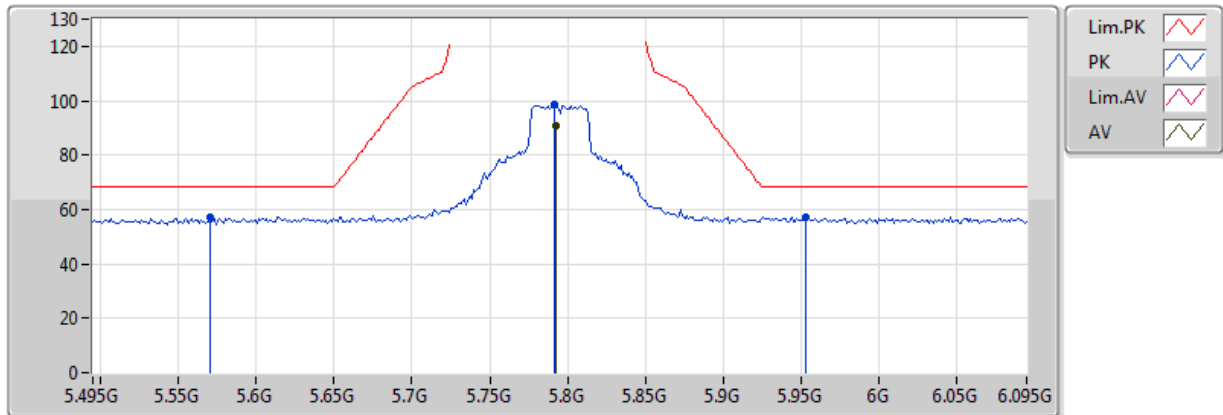


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.51G	43.52	54.00	-10.48	13.59	3	H	0	1.50	-
PK	11.51G	55.38	74.00	-18.62	13.59	3	H	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

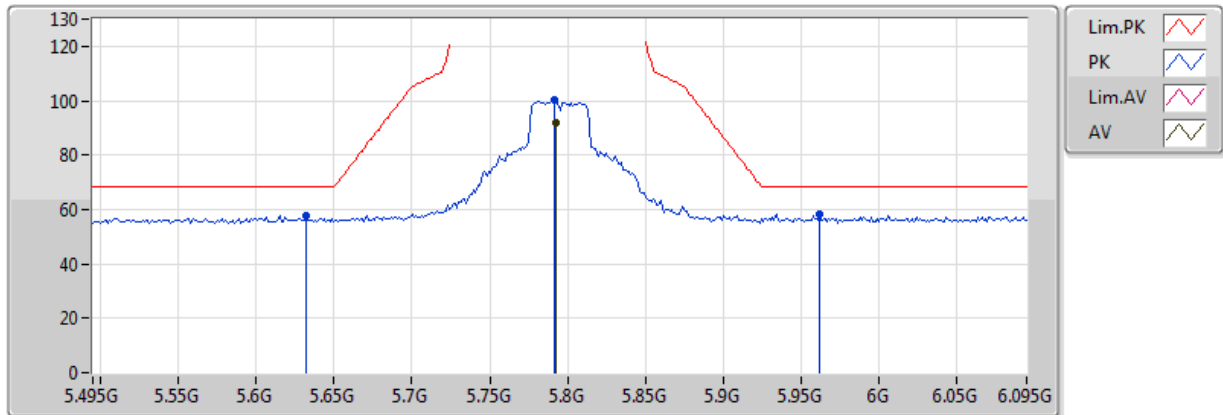


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7926G	90.61	Inf	-Inf	3.50	3	V	114	1.90	-
PK	5.5706G	57.24	68.20	-10.96	3.33	3	V	114	1.90	-
PK	5.7914G	98.51	Inf	-Inf	3.50	3	V	114	1.90	-
PK	5.9534G	57.20	68.20	-11.00	3.64	3	V	114	1.90	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

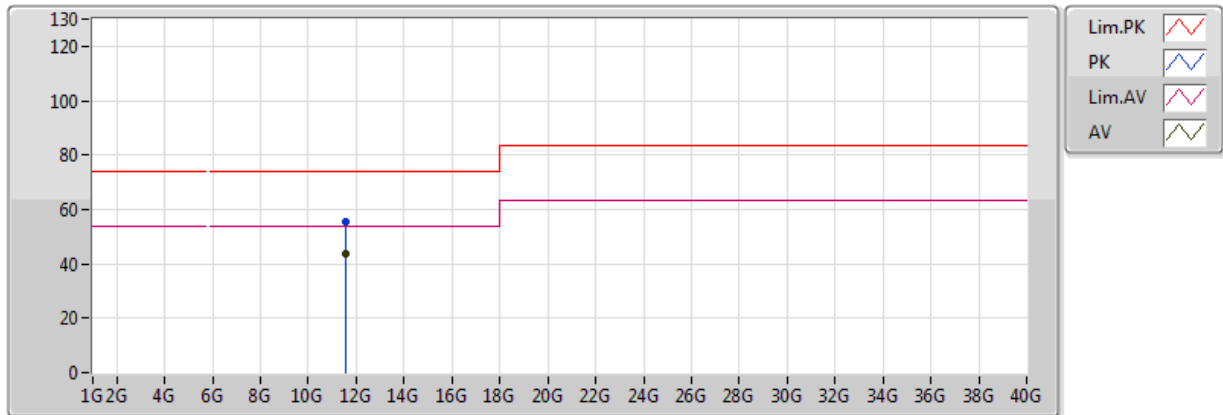


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.7926G	91.95	Inf	-Inf	3.50	3	H	134	1.07	-
PK	5.6318G	57.84	68.20	-10.36	3.38	3	H	134	1.07	-
PK	5.7914G	100.05	Inf	-Inf	3.50	3	H	134	1.07	-
PK	5.9618G	58.27	68.20	-9.93	3.65	3	H	134	1.07	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

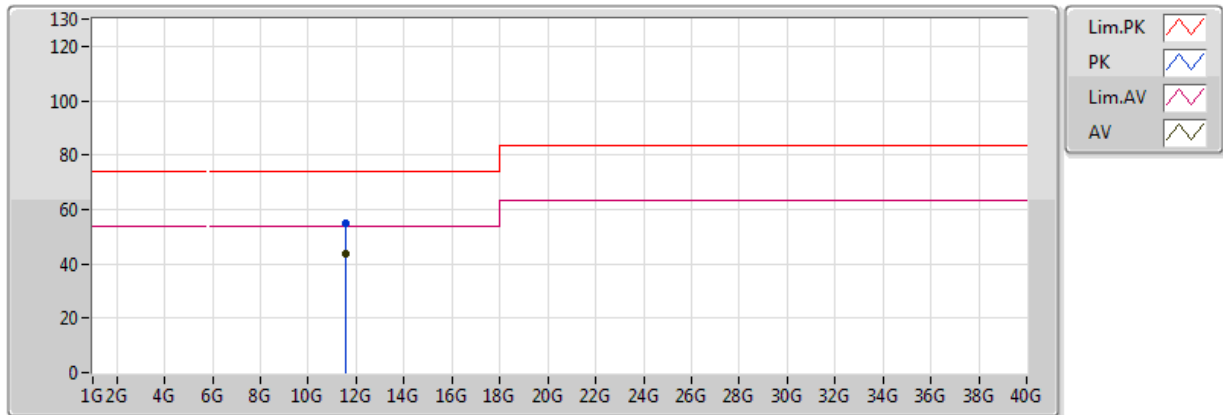


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	43.47	54.00	-10.53	13.46	3	V	0	1.50	-
PK	11.59G	55.72	74.00	-18.28	13.46	3	V	0	1.50	-

802.11ac VHT40_Nss1,(MCS0)_1TX

5795MHz_TX

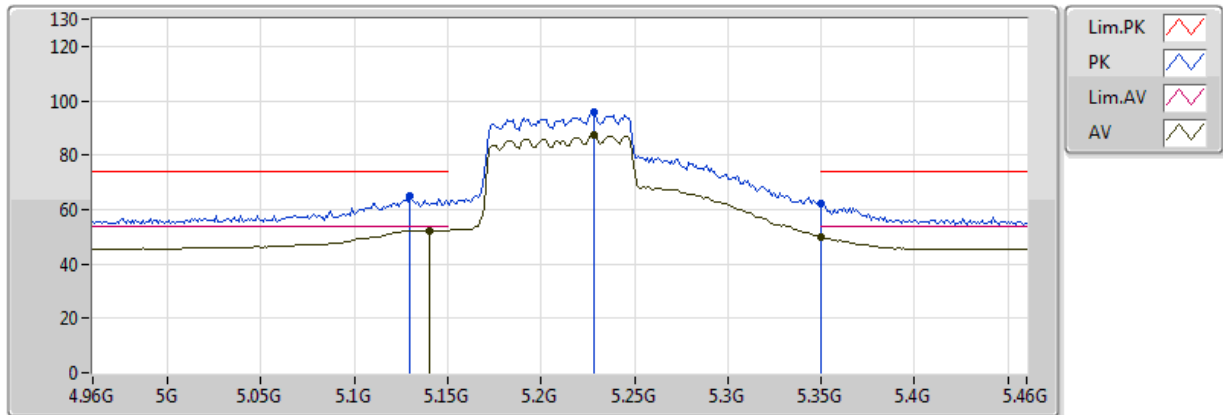


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.59G	43.49	54.00	-10.51	13.46	3	H	360	1.50	-
PK	11.59G	55.01	74.00	-18.99	13.46	3	H	360	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

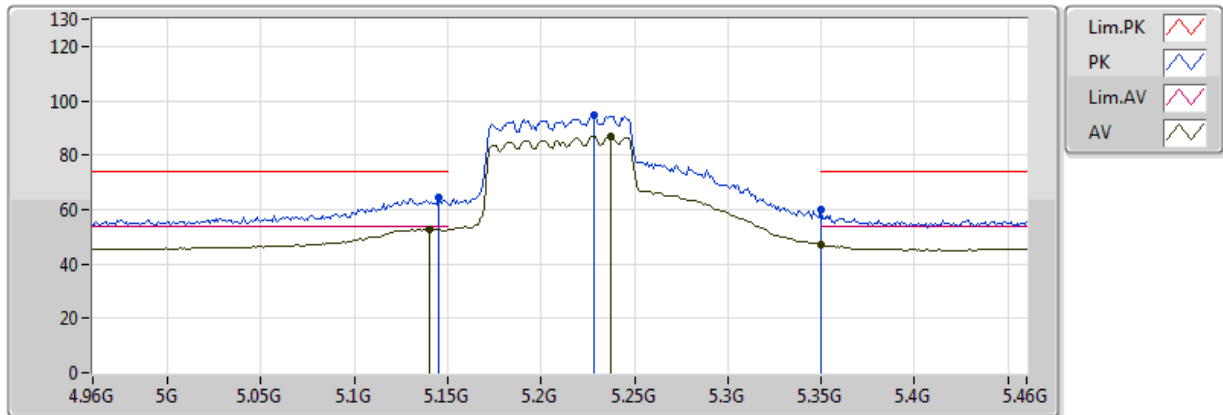


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.14G	52.36	54.00	-1.64	2.89	3	V	88	1.03	-
AV	5.228G	87.42	Inf	-Inf	2.98	3	V	88	1.03	-
AV	5.350005G	49.85	54.00	-4.15	3.11	3	V	88	1.03	-
PK	5.13G	65.00	74.00	-9.00	2.88	3	V	88	1.03	-
PK	5.228G	95.59	Inf	-Inf	2.98	3	V	88	1.03	-
PK	5.350005G	62.44	74.00	-11.56	3.11	3	V	88	1.03	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

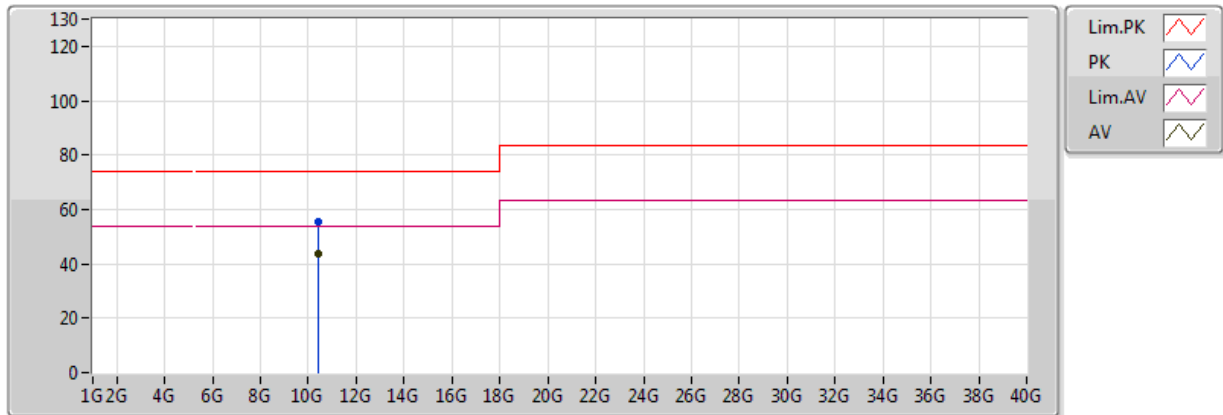


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.14G	52.85	54.00	-1.15	2.89	3	H	277	1.00	-
AV	5.237G	86.97	Inf	-Inf	2.99	3	H	277	1.00	-
AV	5.350005G	46.90	54.00	-7.10	3.11	3	H	277	1.00	-
PK	5.145G	64.27	74.00	-9.73	2.89	3	H	277	1.00	-
PK	5.228G	94.84	Inf	-Inf	2.98	3	H	277	1.00	-
PK	5.350005G	59.80	74.00	-14.20	3.11	3	H	277	1.00	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

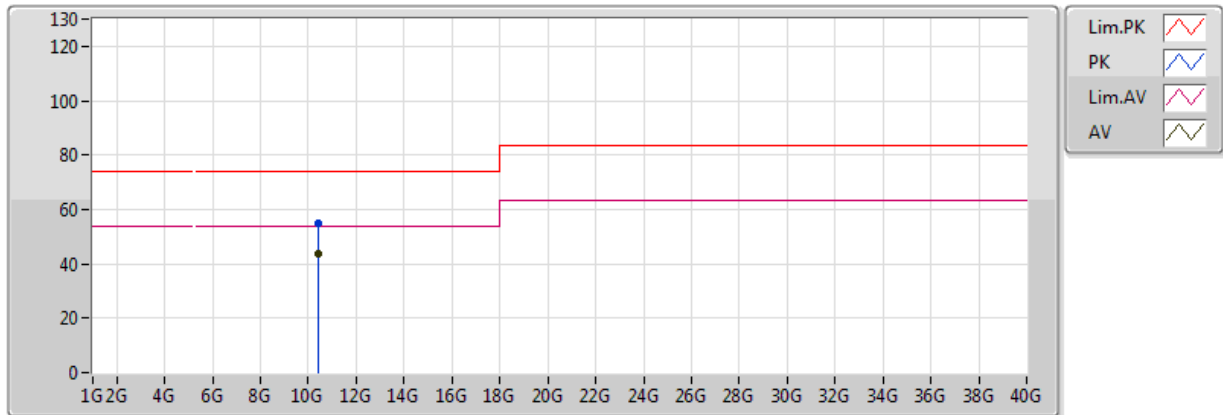


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.42G	43.43	54.00	-10.57	12.94	3	V	360	1.50	-
PK	10.42G	55.45	74.00	-18.55	12.94	3	V	360	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5210MHz_TX

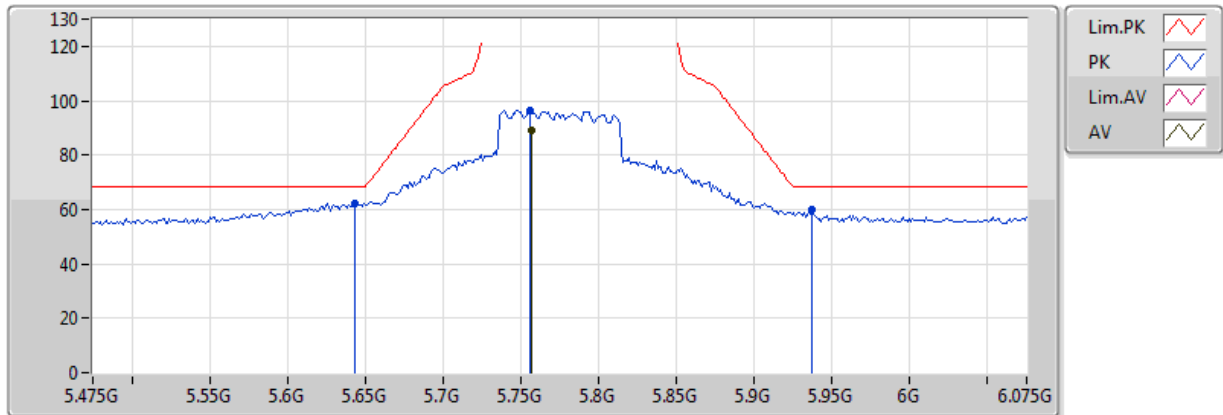


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	10.42G	43.60	54.00	-10.40	12.94	3	H	0	1.50	-
PK	10.42G	54.78	74.00	-19.22	12.94	3	H	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

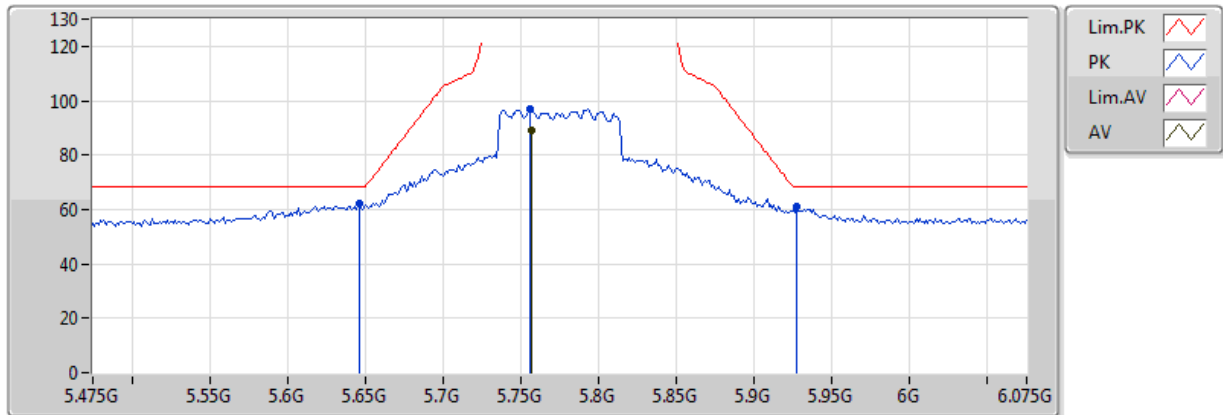


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.757G	88.92	Inf	-Inf	3.48	3	V	113	1.93	-
PK	5.643G	62.20	68.20	-6.00	3.39	3	V	113	1.93	-
PK	5.7558G	96.63	Inf	-Inf	3.48	3	V	113	1.93	-
PK	5.937G	59.79	68.20	-8.41	3.63	3	V	113	1.93	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

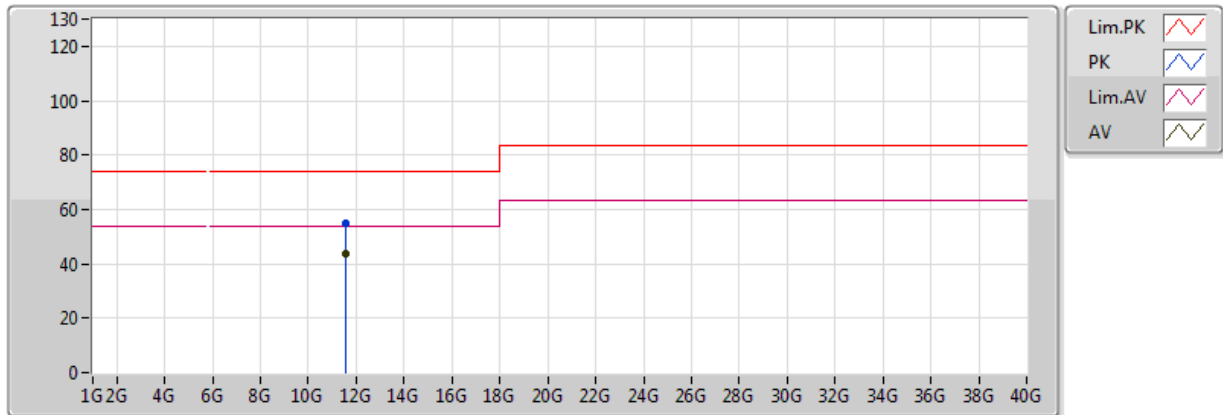


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	5.757G	89.26	Inf	-Inf	3.48	3	H	131	1.04	-
PK	5.6466G	62.01	68.20	-6.19	3.39	3	H	131	1.04	-
PK	5.7558G	96.88	Inf	-Inf	3.48	3	H	131	1.04	-
PK	5.9274G	61.16	68.20	-7.04	3.62	3	H	131	1.04	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX

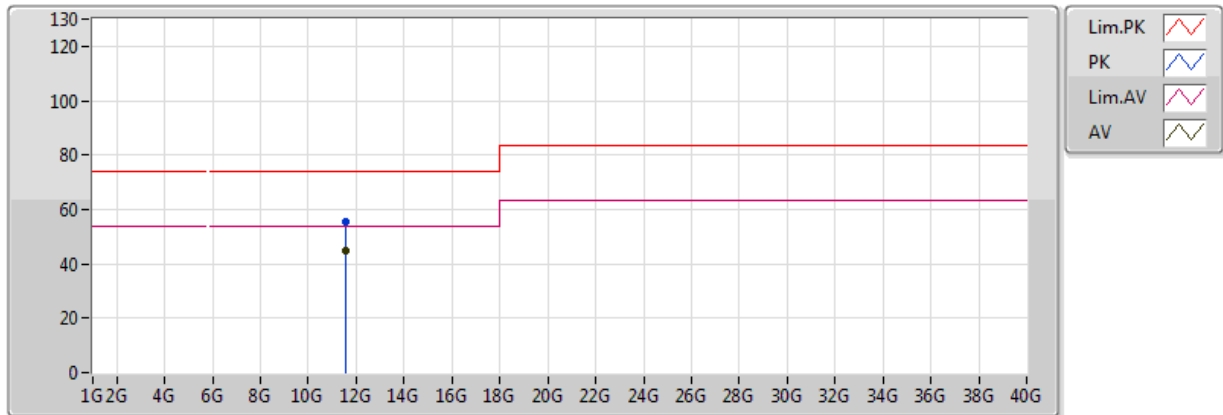


EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	43.77	54.00	-10.23	13.52	3	V	0	1.50	-
PK	11.55G	54.88	74.00	-19.12	13.52	3	V	0	1.50	-

802.11ac VHT80_Nss1,(MCS0)_1TX

5775MHz_TX



EUT=Y axis with Stand

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	11.55G	44.61	54.00	-9.39	13.52	3	H	360	1.50	-
PK	11.55G	55.27	74.00	-18.73	13.52	3	H	360	1.50	-



Frequency Stability Result

Appendix F

Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
11a_Nss1_1TX	-	-	-	-	-	-	-
5.15-5.25GHz	Pass	5.2G	5.200097G	18.748	20	1	2 min

Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
11a_Nss1_1TX	-	-	-	-	-	-	-
5200MHz_0°C	Pass	5.2G	5.200092G	17.666	20	1	0 min
5200MHz_0°C	Pass	5.2G	5.200097G	18.748	20	1	2 min
5200MHz_0°C	Pass	5.2G	5.200082G	15.863	20	1	5 min
5200MHz_0°C	Pass	5.2G	5.200086G	16.584	20	1	10 min
5200MHz_10°C	Pass	5.2G	5.200067G	12.979	20	1	0 min
5200MHz_10°C	Pass	5.2G	5.200075G	14.421	20	1	2 min
5200MHz_10°C	Pass	5.2G	5.200064G	12.258	20	1	5 min
5200MHz_10°C	Pass	5.2G	5.200069G	13.34	20	1	10 min
5200MHz_20°C	Pass	5.2G	5.200054G	10.455	20	1	0 min
5200MHz_20°C	Pass	5.2G	5.200066G	12.619	20	1	2 min
5200MHz_20°C	Pass	5.2G	5.20006G	11.537	20	1	5 min
5200MHz_20°C	Pass	5.2G	5.200039G	7.571	20	1	10 min
5200MHz_30°C	Pass	5.2G	5.200036G	6.85	20	1	0 min
5200MHz_30°C	Pass	5.2G	5.200028G	5.408	20	1	2 min
5200MHz_30°C	Pass	5.2G	5.200036G	6.85	20	1	5 min
5200MHz_30°C	Pass	5.2G	5.200032G	6.129	20	1	10 min
5200MHz_40°C	Pass	5.2G	5.200009G	1.803	20	1	0 min
5200MHz_40°C	Pass	5.2G	5.200019G	3.605	20	1	2 min
5200MHz_40°C	Pass	5.2G	5.200019G	3.605	20	1	5 min
5200MHz_40°C	Pass	5.2G	5.200022G	4.326	20	1	10 min
5200MHz_138V	Pass	5.2G	5.200054G	10.455	20	1	0 min
5200MHz_138V	Pass	5.2G	5.200054G	10.455	20	1	2 min
5200MHz_138V	Pass	5.2G	5.200043G	8.292	20	1	5 min
5200MHz_138V	Pass	5.2G	5.200049G	9.374	20	1	10 min
5200MHz_120V	Pass	5.2G	5.200002G	0.361	20	1	0 min
5200MHz_120V	Pass	5.2G	5.200024G	4.687	20	1	2 min
5200MHz_120V	Pass	5.2G	5.200011G	2.163	20	1	5 min
5200MHz_120V	Pass	5.2G	5.200017G	3.245	20	1	10 min
5200MHz_102V	Pass	5.2G	5.200041G	7.932	20	1	0 min
5200MHz_102V	Pass	5.2G	5.200052G	10.095	20	1	2 min
5200MHz_102V	Pass	5.2G	5.200043G	8.292	20	1	5 min
5200MHz_102V	Pass	5.2G	5.200039G	7.571	20	1	10 min