

FCC Test Report

Equipment : Wireless camera
Brand Name : Alarm.com
Model No. : ADC-V622
FCC ID : PPQ-143V622PT
Standard : 47 CFR FCC Part 15.407
Operating Band : 5150 MHz – 5250 MHz
5725 MHz – 5850 MHz
Applicant : LITE-ON Technology Corp.
Bldg. C, 90, Chien 1 Rd., Chung-Ho, New Taipei City,
23585 Taiwan
Manufacturer : Lite-On Network Communication (Dongguan) Limited
30#Keji Rd., Yin Hu Industrial Area, Qingxi
Town, DongGuan City, Guangdong, China
Function : Outdoor; Indoor; Fixed P2P
 Client

The product sample received on Sep. 12, 2017 and completely tested on Nov. 29, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Phoenix Chen / Assistant Manager





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PHOTOGRAPHS OF EUT V01



Summary of Test Result

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



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)	5180-5240	36-48 [4]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40)	5190-5230	38-46 [2]
5725-5850		5755-5795	151-159 [2]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 2)
5.725-5.85GHz	802.11a	20	1TX(Port 2)
5.15-5.25GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	2TX

Note:

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



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector
1	1	LYNwave	ALX17P-222XX1-00	embedded antenna	I-PEX
2	2	LYNwave	ALX17P-222XX2-00	embedded antenna	I-PEX

Ant.	Gain (dBi)		
	2.4G	5G	BT
1	2.66	4.68	2.66
2	2.12	4.76	2.12

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b/g mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 1(port 1) and it was record in this test report.

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

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

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Support diversity function, the Ant. 1 (port 1) was declared to be tested only by customer.

For 5GHz function:

For IEEE 802.11 a mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 2(port 2) and it was record in this test report.

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

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
RF Chip Model No.	AMPAK 62X2		
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming	
Type of EUT			
<input checked="" type="checkbox"/>	Stand-alone		
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:	...	
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:	...	
<input type="checkbox"/>	Other:		



1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.926	0.334	1.397m	1k
802.11n HT20	0.922	0.353	1.297m	1k
802.11n HT40	0.871	0.6	638.75u	3k

1.2 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01
- ♦ KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location							
<input checked="" type="checkbox"/>	<table border="1"> <tr> <td>HWA YA</td> <td>ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)</td> </tr> <tr> <td></td> <td>TEL : 886-3-327-3456 FAX : 886-3-327-0973</td> </tr> <tr> <td colspan="2">Test site Designation No. TW1190 with FCC.</td> </tr> </table>	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.	
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.							
<input type="checkbox"/>	<table border="1"> <tr> <td>JHUBEI</td> <td>ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)</td> </tr> <tr> <td></td> <td>TEL : 886-3-656-9065 FAX : 886-3-656-9085</td> </tr> <tr> <td colspan="2">Test site Designation No. TW0006 with FCC.</td> </tr> </table>	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.	
JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)						
	TEL : 886-3-656-9065 FAX : 886-3-656-9085						
Test site Designation No. TW0006 with FCC.							

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Tim	23.2°C / 62%	29/Nov/2017
Radiated	03CH02-HY	Jerry	24.5°C / 62%	24/Oct/2017
AC Conduction	CO04-HY	Eric	22.2°C / 51.8%	29/Sep/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 (9kHz ~ 30MHz)	3.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V
Freq. Stability	Abbreviation	Remark
0°C	-	-
10°C	-	-
20°C	-	-
30°C	-	-
40°C	-	-
108V	-	-
120V	-	-
132V	-	-



2.2 Test Channel Mode




Test Software	Dos
---------------	-----

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX(Port2)	-
5180MHz	68
5200MHz	82
5240MHz	80
5745MHz	100
5785MHz	100
5825MHz	100
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	59
5200MHz	68
5240MHz	71
5745MHz	100
5785MHz	100
5825MHz	100
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	48
5230MHz	66
5755MHz	68
5795MHz	100

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

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

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

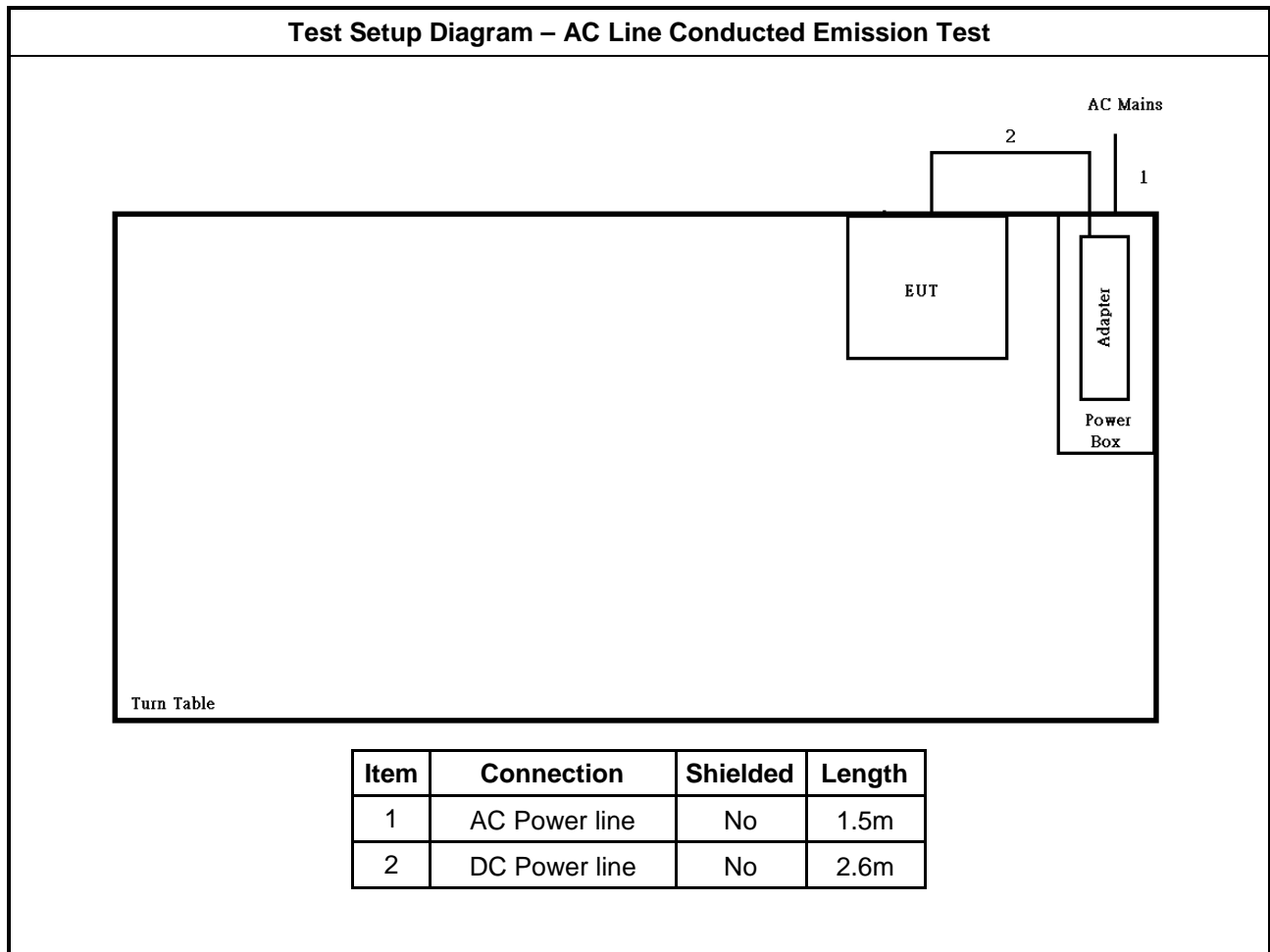
2.4 Accessories

Accessories				
AC Adapter	Brand Name	Asian	Model Name	WA-12M12R
	Power Rating	I/P: 100-240Vac, 50-60Hz, 0.5A, O/P: 12Vdc, 1A		
	Power Cord	2.6 meter, non-shielded cable, w/o ferrite core		

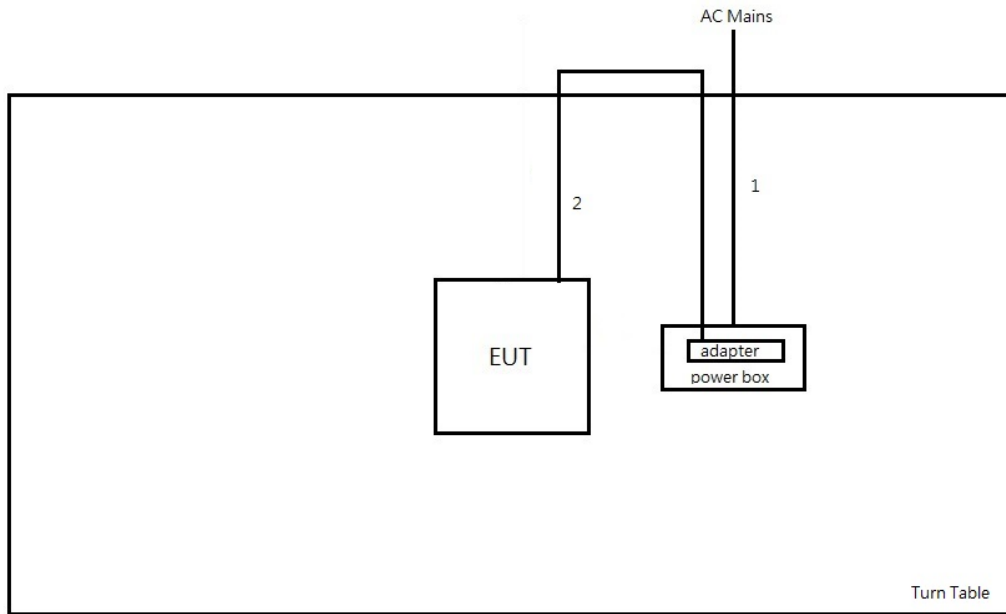
2.5 Support Equipment

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

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC power line	No	1.5m
2	DC power line	No	2.6m

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.

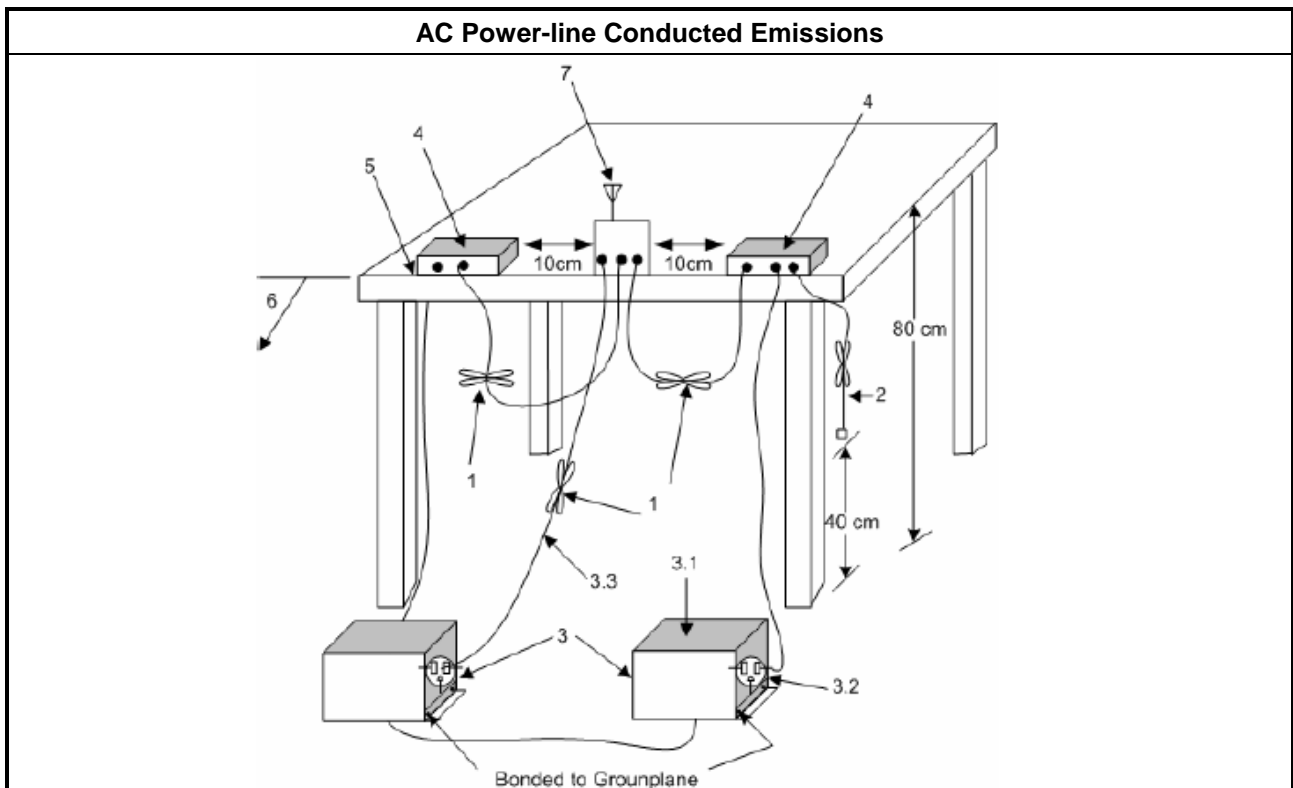
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input type="checkbox"/>	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.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.

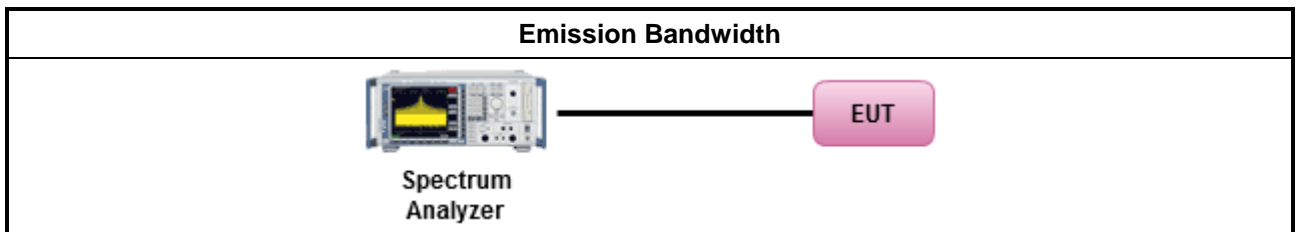
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.	

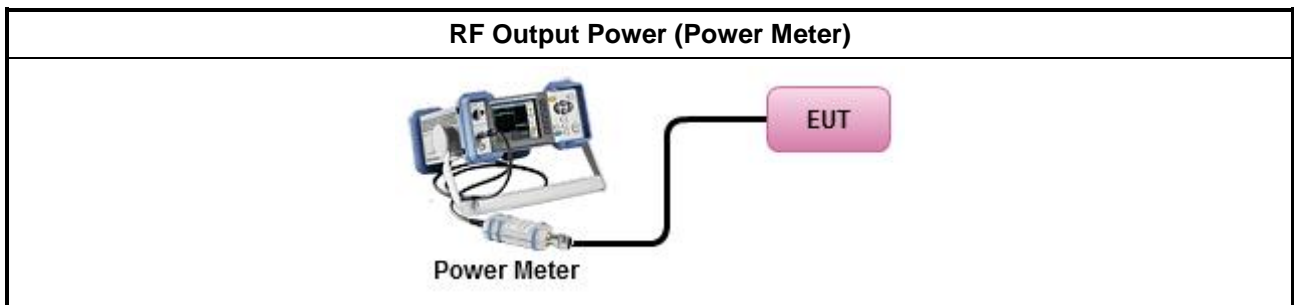
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
	Duty cycle $\geq 98\%$
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
<input type="checkbox"/>	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
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

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	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
<p>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.</p>	

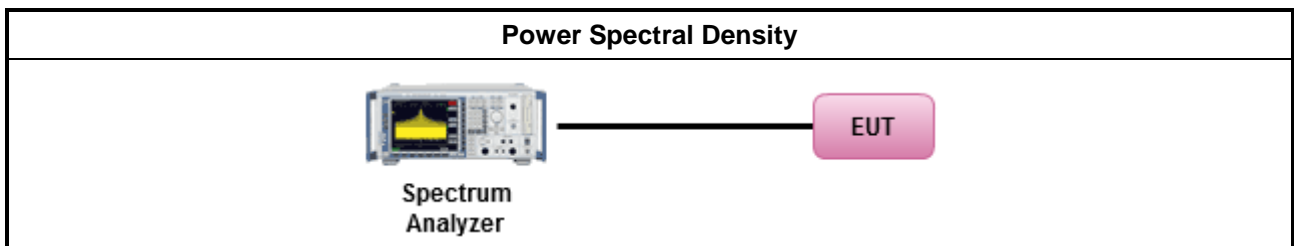
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	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%	
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
Duty cycle < 98%	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> ▪ 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.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

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).



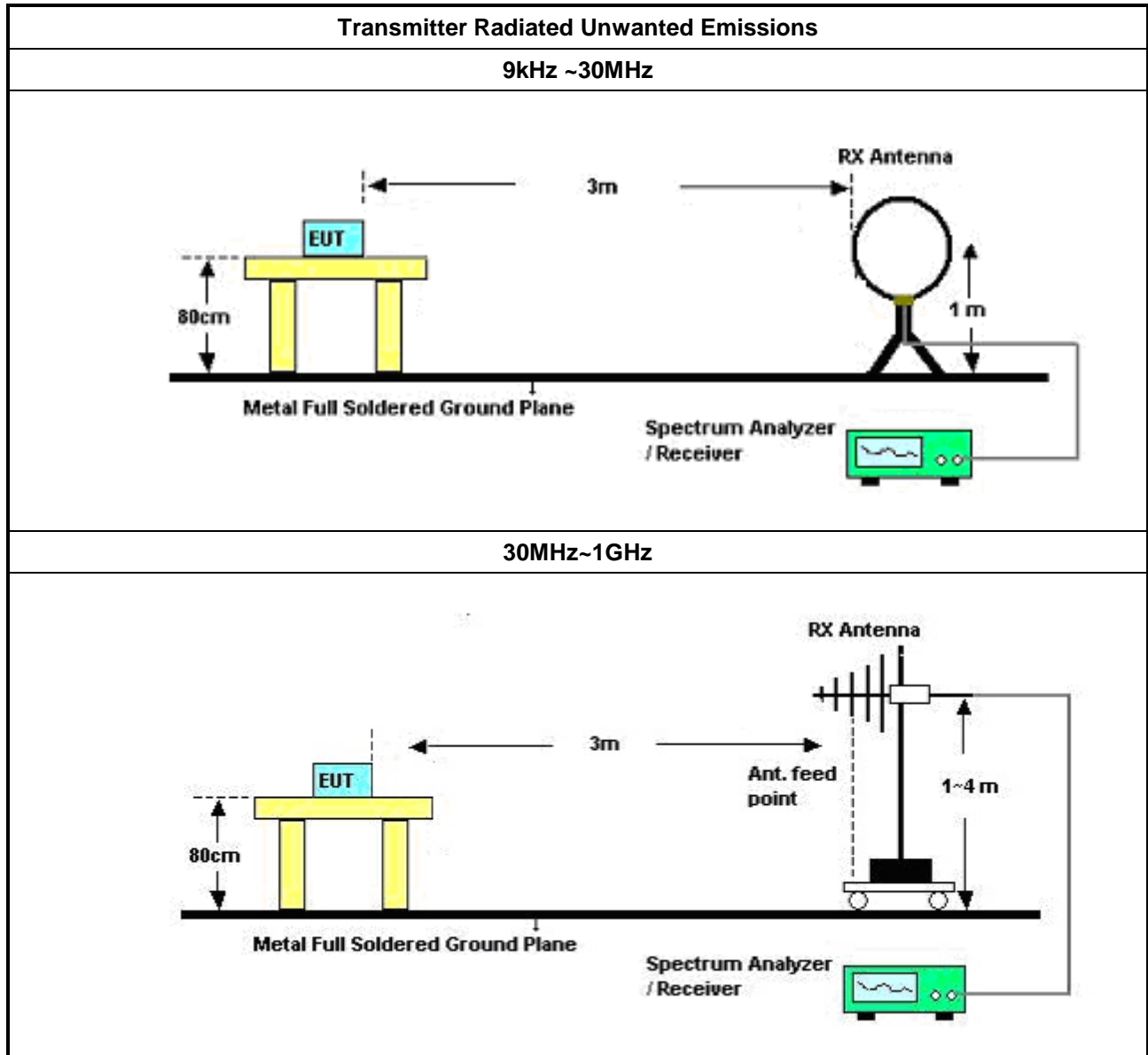
3.5.2 Measuring Instruments

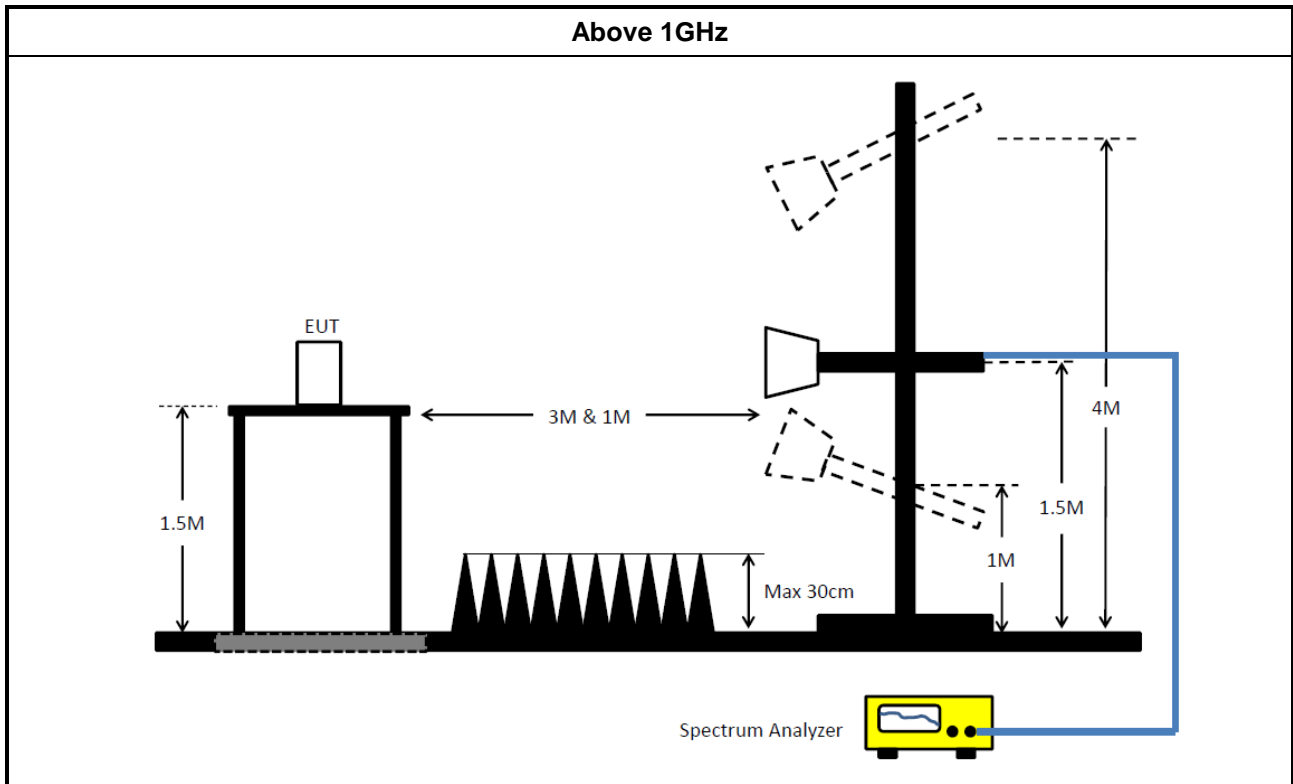
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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). 	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
<input checked="" type="checkbox"/>	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For radiated measurement. 	
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. 	
<ul style="list-style-type: none"> ▪ 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.

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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> The transmitter center frequency tolerance shall be ± 20 ppm maximum for the 5 GHz band. 	

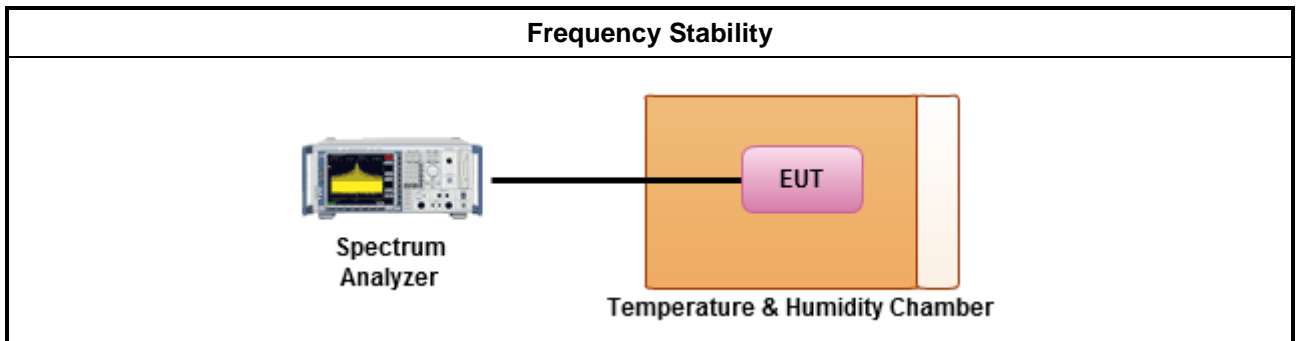
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.8 for frequency stability tests 	
	<ul style="list-style-type: none"> Frequency stability with respect to ambient temperature
	<ul style="list-style-type: none"> 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	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	20/Oct/2017	19/Oct/2018
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Ketsight	83017A	MY53270197	1GHz-26.5GHz	19/Sep/2017	18/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	09/Sep/2017	08/Sep/2018
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

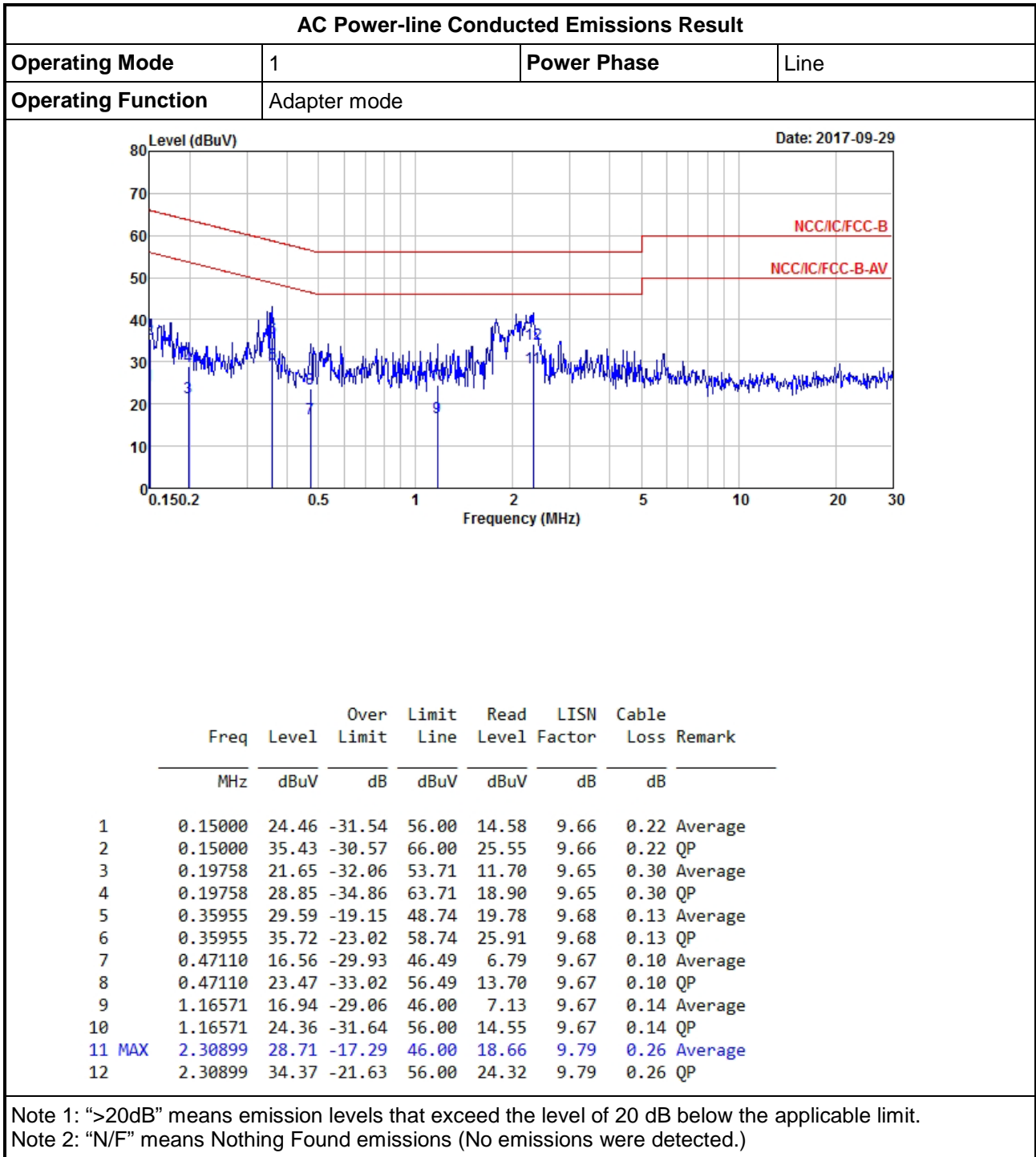


Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz~40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018
Temp. and Humidity Chamber	Giant Force	GTH-225-40-CP-AR	MAA1611-005	-40 ~ 100°C	10/May/2017	09/May/2018
RF Cable-1.5m	HUBER+SUHNER	SUCOFLEX_104	MY12582/4	30MHz~26.5GHz	25/Aug/2017	24/Aug/2018



AC Power-line Conducted Emissions Result																																																																																																																																	
Operating Mode	1	Power Phase	Neutral																																																																																																																														
Operating Function	Adapter mode																																																																																																																																
Date: 2017-09-29																																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>0.15240</td><td>22.94</td><td>-32.93</td><td>55.87</td><td>13.12</td><td>9.60</td><td>0.22</td><td>Average</td></tr> <tr><td>2</td><td>0.15240</td><td>36.27</td><td>-29.60</td><td>65.87</td><td>26.45</td><td>9.60</td><td>0.22</td><td>QP</td></tr> <tr><td>3</td><td>0.21735</td><td>18.07</td><td>-34.85</td><td>52.92</td><td>8.14</td><td>9.66</td><td>0.27</td><td>Average</td></tr> <tr><td>4</td><td>0.21735</td><td>28.82</td><td>-34.10</td><td>62.92</td><td>18.89</td><td>9.66</td><td>0.27</td><td>QP</td></tr> <tr><td>5</td><td>0.34100</td><td>26.67</td><td>-22.51</td><td>49.18</td><td>16.88</td><td>9.64</td><td>0.15</td><td>Average</td></tr> <tr><td>6</td><td>0.34100</td><td>37.39</td><td>-21.79</td><td>59.18</td><td>27.60</td><td>9.64</td><td>0.15</td><td>QP</td></tr> <tr><td>7</td><td>0.53498</td><td>21.59</td><td>-24.41</td><td>46.00</td><td>11.87</td><td>9.62</td><td>0.10</td><td>Average</td></tr> <tr><td>8</td><td>0.53498</td><td>27.16</td><td>-28.84</td><td>56.00</td><td>17.44</td><td>9.62</td><td>0.10</td><td>QP</td></tr> <tr><td>9</td><td>1.77162</td><td>26.63</td><td>-19.37</td><td>46.00</td><td>16.73</td><td>9.64</td><td>0.26</td><td>Average</td></tr> <tr><td>10</td><td>1.77162</td><td>31.04</td><td>-24.96</td><td>56.00</td><td>21.14</td><td>9.64</td><td>0.26</td><td>QP</td></tr> <tr style="border: 2px solid black;"><td>11 MAX</td><td>2.34599</td><td>28.94</td><td>-17.06</td><td>46.00</td><td>19.03</td><td>9.66</td><td>0.25</td><td>Average</td></tr> <tr><td>12</td><td>2.34599</td><td>32.62</td><td>-23.38</td><td>56.00</td><td>22.71</td><td>9.66</td><td>0.25</td><td>QP</td></tr> </tbody> </table>					Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	0.15240	22.94	-32.93	55.87	13.12	9.60	0.22	Average	2	0.15240	36.27	-29.60	65.87	26.45	9.60	0.22	QP	3	0.21735	18.07	-34.85	52.92	8.14	9.66	0.27	Average	4	0.21735	28.82	-34.10	62.92	18.89	9.66	0.27	QP	5	0.34100	26.67	-22.51	49.18	16.88	9.64	0.15	Average	6	0.34100	37.39	-21.79	59.18	27.60	9.64	0.15	QP	7	0.53498	21.59	-24.41	46.00	11.87	9.62	0.10	Average	8	0.53498	27.16	-28.84	56.00	17.44	9.62	0.10	QP	9	1.77162	26.63	-19.37	46.00	16.73	9.64	0.26	Average	10	1.77162	31.04	-24.96	56.00	21.14	9.64	0.26	QP	11 MAX	2.34599	28.94	-17.06	46.00	19.03	9.66	0.25	Average	12	2.34599	32.62	-23.38	56.00	22.71	9.66	0.25	QP
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark																																																																																																																									
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<p>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.)</p>																																																																																																																																	





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	41.425M	20.79M	20M8D1D	34.25M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	40.55M	18.916M	18M9D1D	26.85M	17.441M
802.11n HT40_Nss1,(MCS0)_2TX	96.25M	39.43M	39M4D1D	45.3M	36.232M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	15.075M	26.712M	26M7D1D	15.05M	26.487M
802.11n HT20_Nss1,(MCS0)_2TX	15.975M	29.66M	29M7D1D	15.075M	26.662M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	65.667M	65M7D1D	36.1M	45.077M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

Min-OBW = Minimum 99% occupied bandwidth;

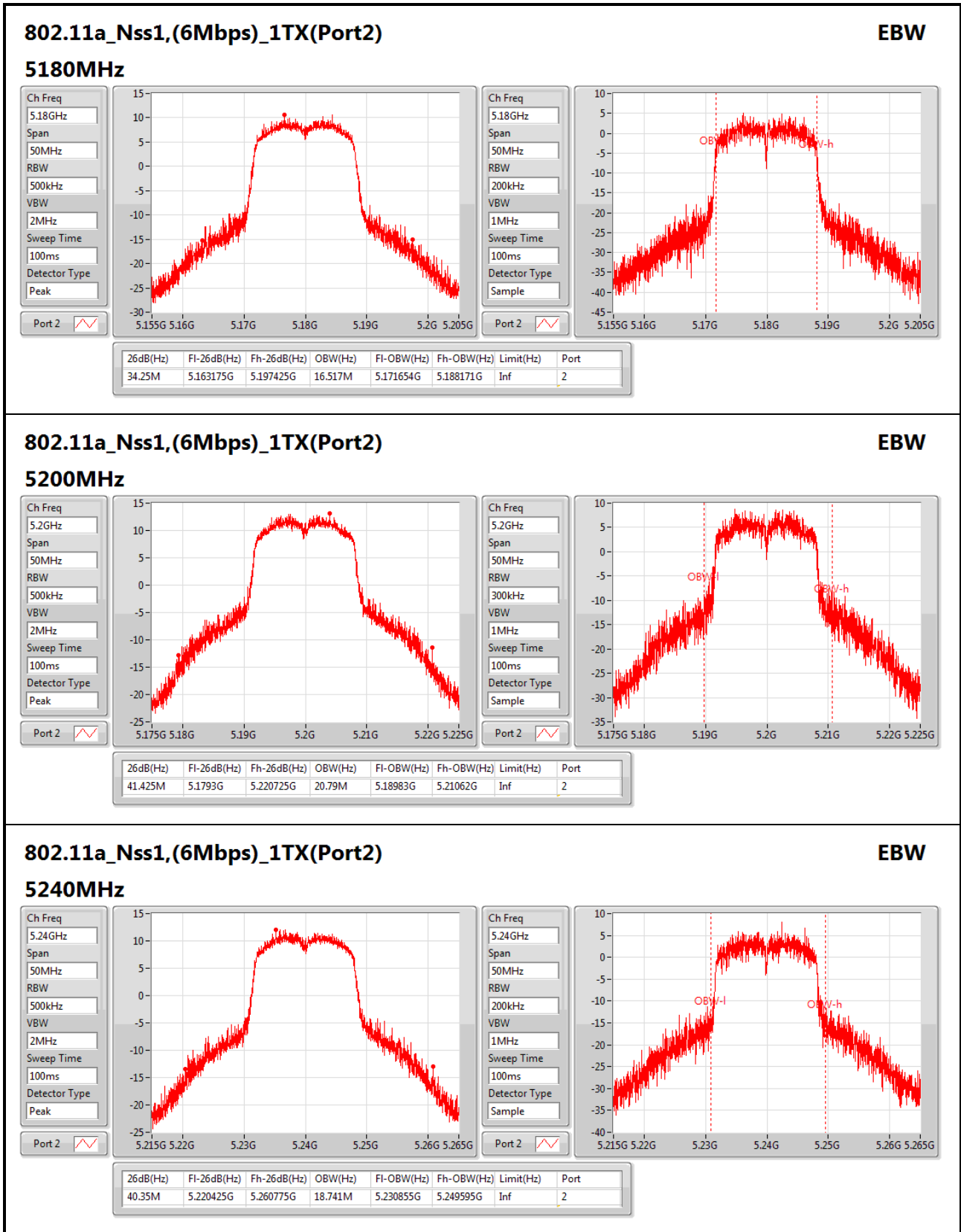


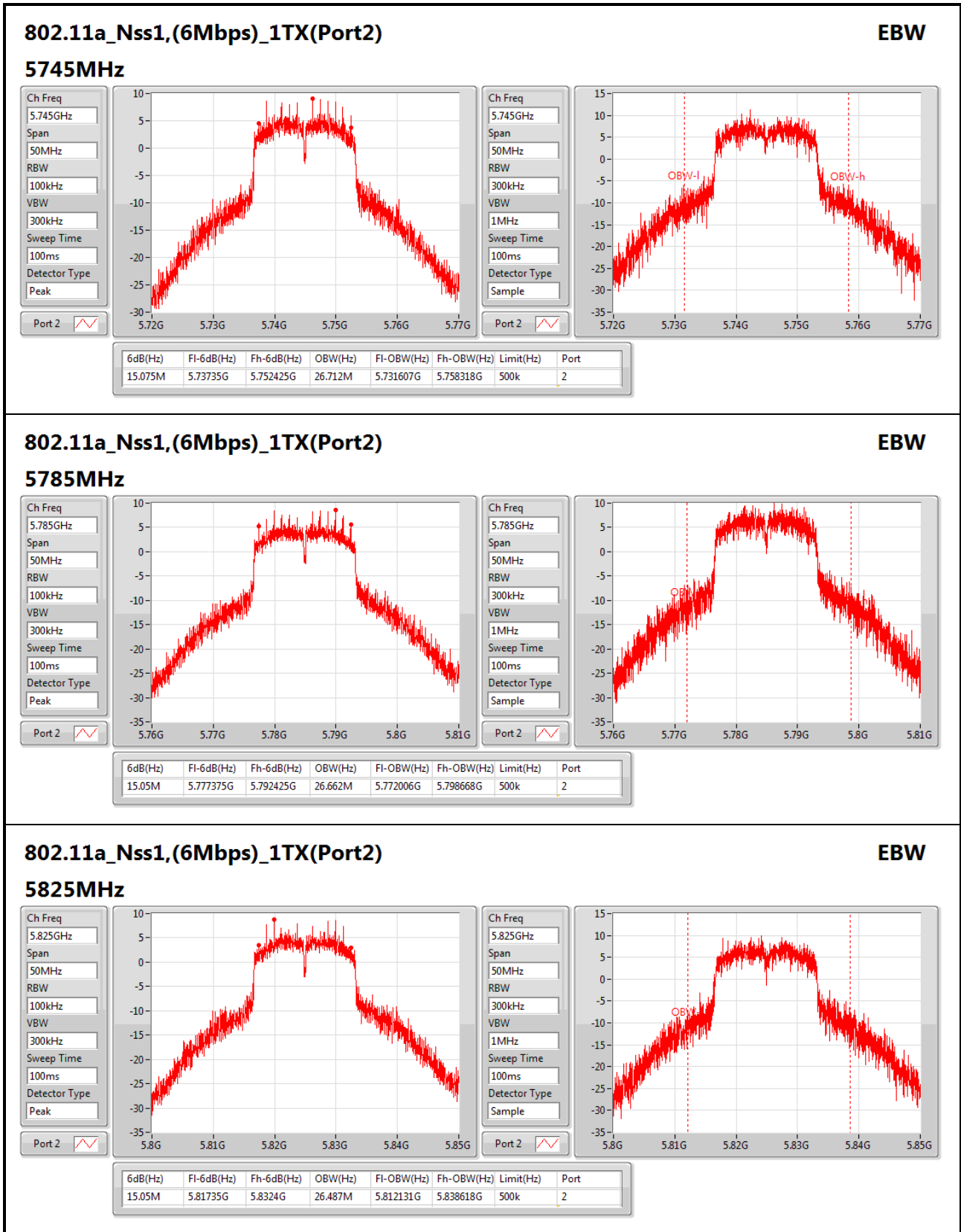
Result

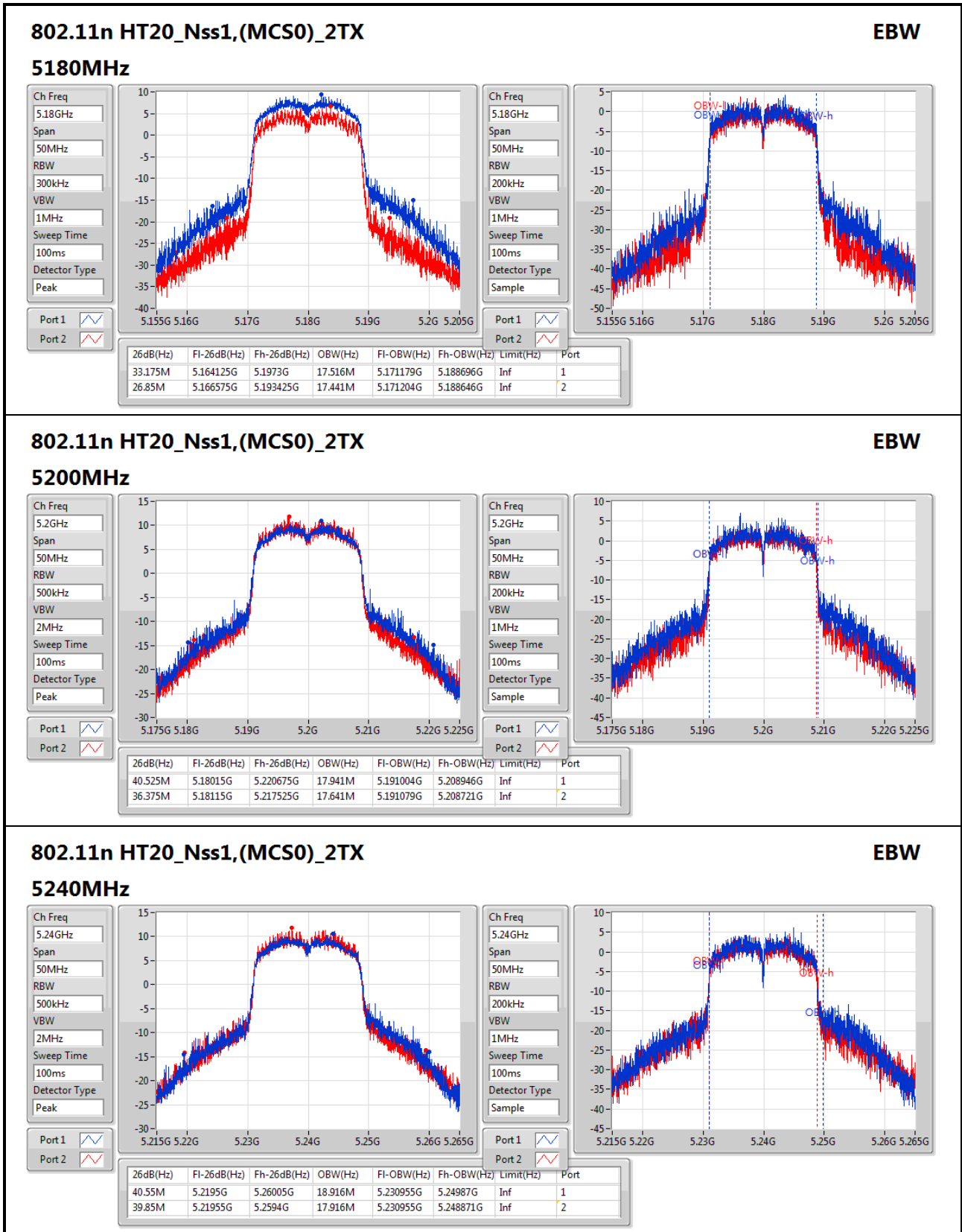
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf			34.25M	16.517M
5200MHz_TnomVnom	Pass	Inf			41.425M	20.79M
5240MHz_TnomVnom	Pass	Inf			40.35M	18.741M
5745MHz_TnomVnom	Pass	500k			15.075M	26.712M
5785MHz_TnomVnom	Pass	500k			15.05M	26.662M
5825MHz_TnomVnom	Pass	500k			15.05M	26.487M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	Inf	33.175M	17.516M	26.85M	17.441M
5200MHz_TnomVnom	Pass	Inf	40.525M	17.941M	36.375M	17.641M
5240MHz_TnomVnom	Pass	Inf	40.55M	18.916M	39.85M	17.916M
5745MHz_TnomVnom	Pass	500k	15.675M	29.66M	15.075M	27.311M
5785MHz_TnomVnom	Pass	500k	15.975M	28.061M	15.675M	26.662M
5825MHz_TnomVnom	Pass	500k	15.875M	27.386M	15.675M	27.386M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	Inf	54.4M	36.232M	45.3M	36.232M
5230MHz_TnomVnom	Pass	Inf	96.25M	39.43M	91.55M	36.682M
5755MHz_TnomVnom	Pass	500k	36.3M	55.972M	36.1M	45.077M
5795MHz_TnomVnom	Pass	500k	36.3M	65.667M	36.3M	60.67M

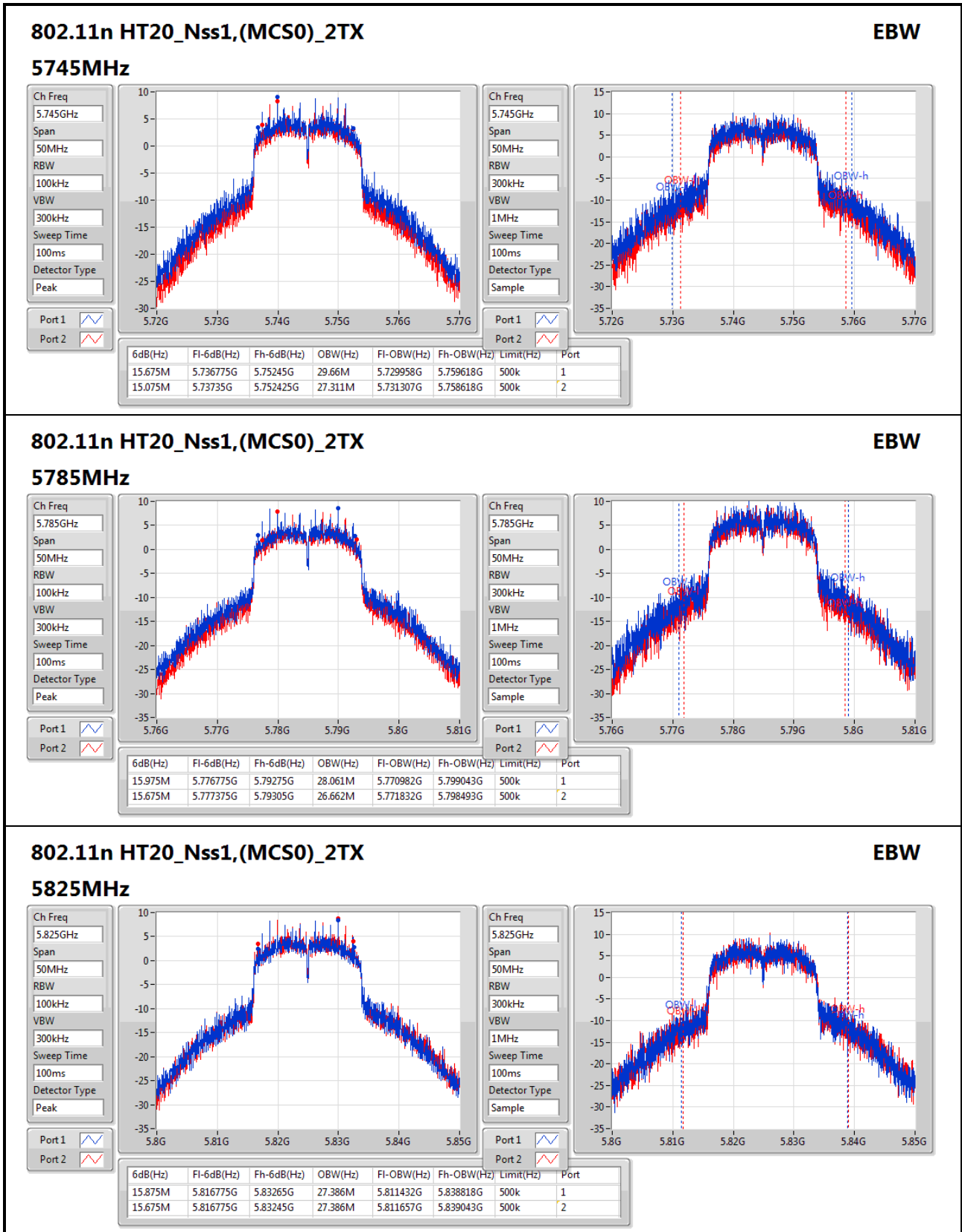
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

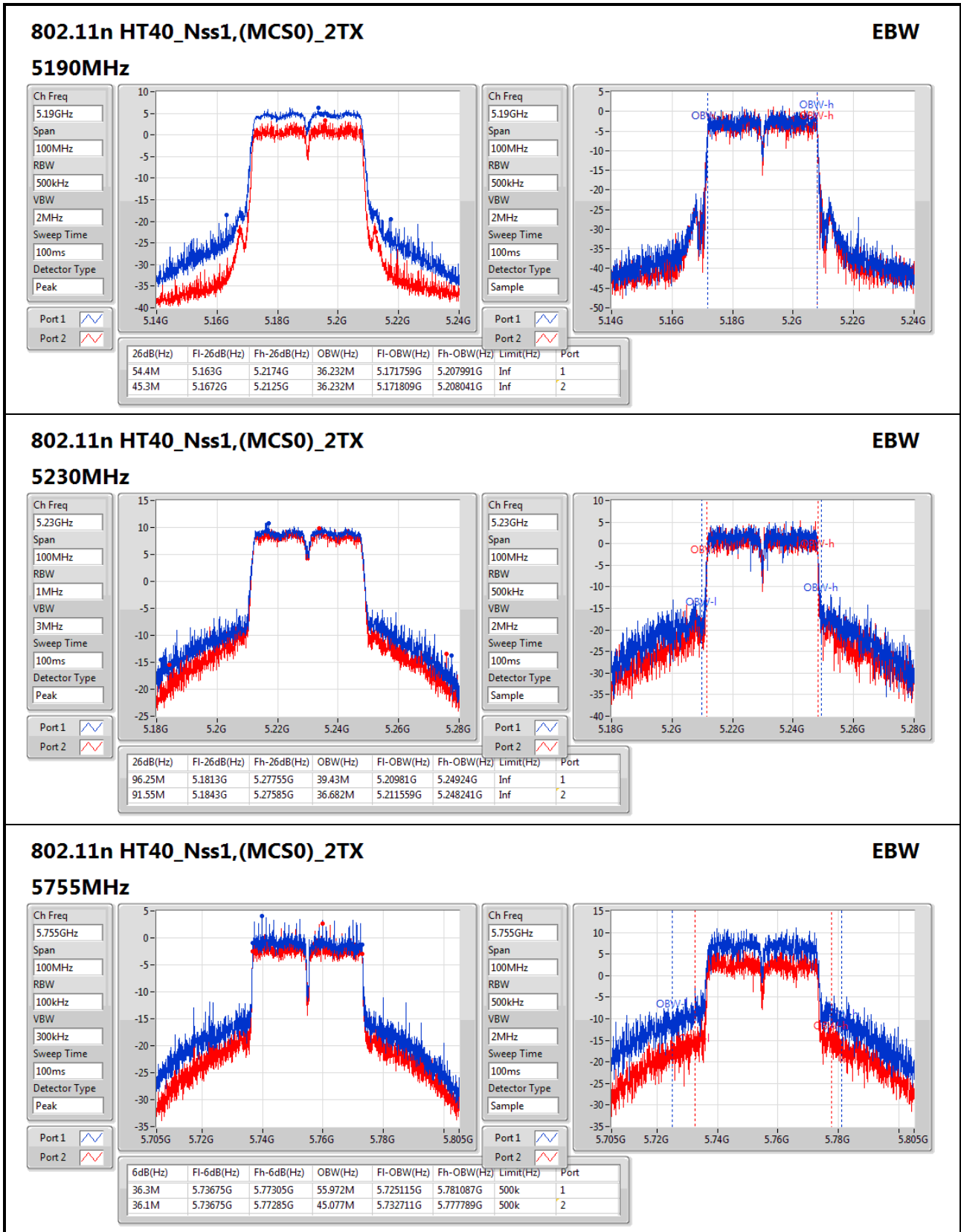
Port X-OBW = Port X 99% occupied bandwidth;

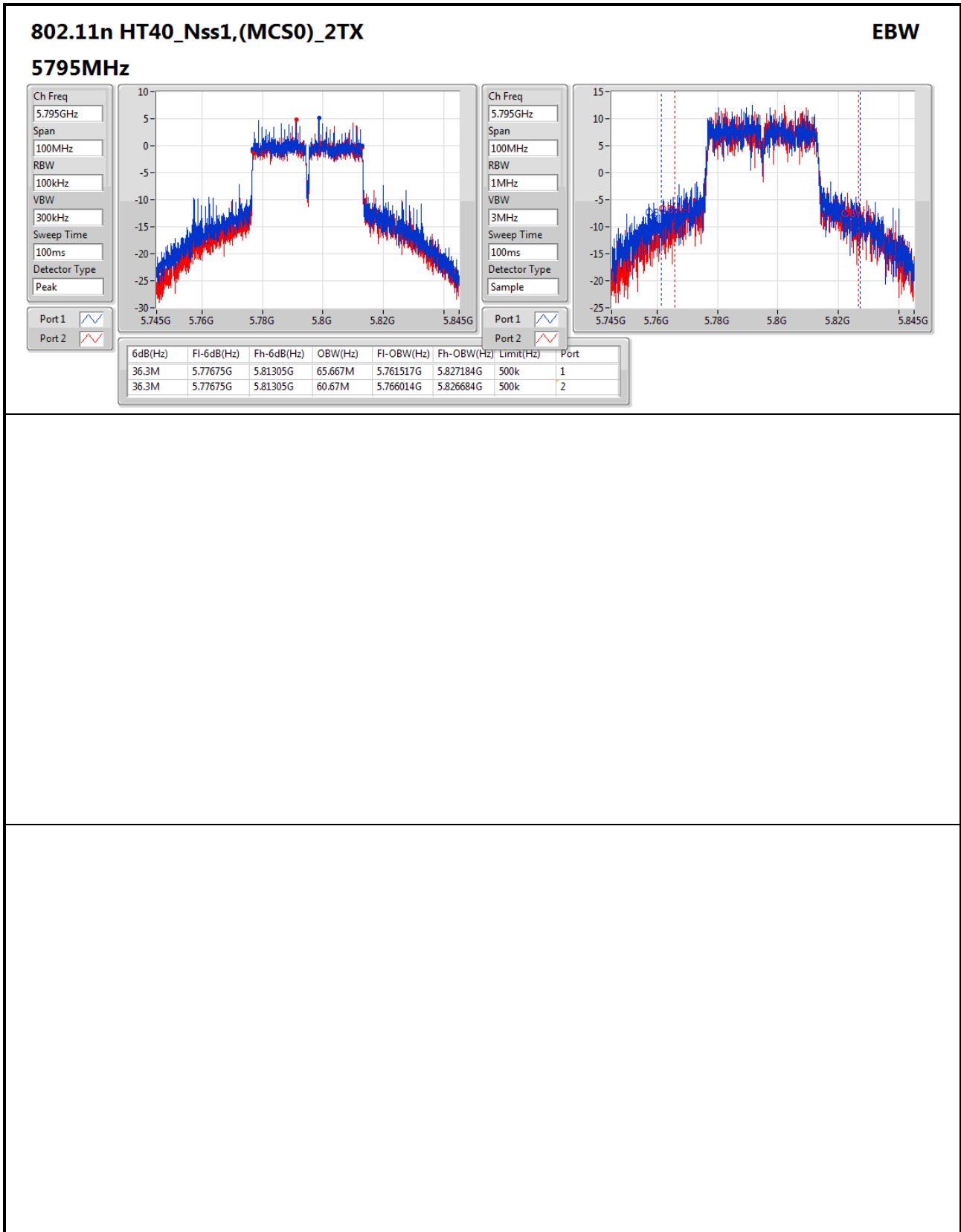














Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	18.36	0.06855	23.12	0.20512
802.11n HT20_Nss1,(MCS0)_2TX	19.07	0.08072	23.83	0.24155
802.11n HT40_Nss1,(MCS0)_2TX	18.11	0.06471	22.87	0.19364
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	19.37	0.08650	24.13	0.25882
802.11n HT20_Nss1,(MCS0)_2TX	21.90	0.15488	26.66	0.46345
802.11n HT40_Nss1,(MCS0)_2TX	21.53	0.14223	26.29	0.42560



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.76		15.51	15.51	23.98	20.27	30.00
5200MHz_TnomVnom	Pass	4.76		18.36	18.36	23.98	23.12	30.00
5240MHz_TnomVnom	Pass	4.76		17.49	17.49	23.98	22.25	30.00
5745MHz_TnomVnom	Pass	4.76		19.37	19.37	30.00	24.13	36.00
5785MHz_TnomVnom	Pass	4.76		19.19	19.19	30.00	23.95	36.00
5825MHz_TnomVnom	Pass	4.76		19.18	19.18	30.00	23.94	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.76	14.34	13.44	16.92	23.98	21.68	30.00
5200MHz_TnomVnom	Pass	4.76	16.19	15.56	18.90	23.98	23.66	30.00
5240MHz_TnomVnom	Pass	4.76	16.41	15.67	19.07	23.98	23.83	30.00
5745MHz_TnomVnom	Pass	4.76	19.16	18.61	21.90	30.00	26.66	36.00
5785MHz_TnomVnom	Pass	4.76	18.77	18.32	21.56	30.00	26.32	36.00
5825MHz_TnomVnom	Pass	4.76	18.49	18.51	21.51	30.00	26.27	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	4.76	11.34	10.92	14.15	23.98	18.91	30.00
5230MHz_TnomVnom	Pass	4.76	15.54	14.60	18.11	23.98	22.87	30.00
5755MHz_TnomVnom	Pass	4.76	17.93	16.75	20.39	30.00	25.15	36.00
5795MHz_TnomVnom	Pass	4.76	18.71	18.32	21.53	30.00	26.29	36.00

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



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	6.19	10.95
802.11n HT20_Nss1,(MCS0)_2TX	6.67	14.40
802.11n HT40_Nss1,(MCS0)_2TX	2.61	10.34
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX(Port2)	5.56	10.32
802.11n HT20_Nss1,(MCS0)_2TX	7.91	15.64
802.11n HT40_Nss1,(MCS0)_2TX	4.12	11.85

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

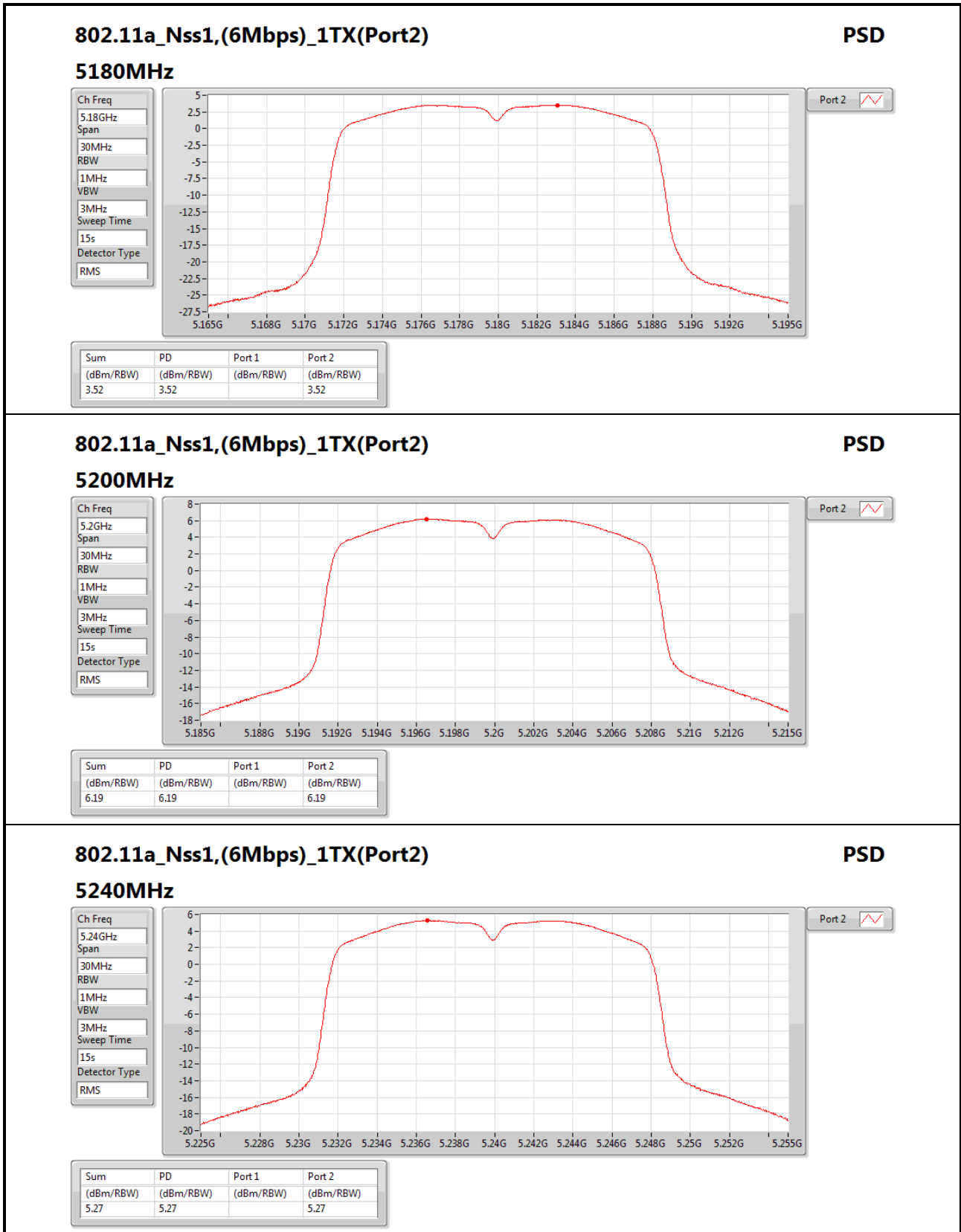


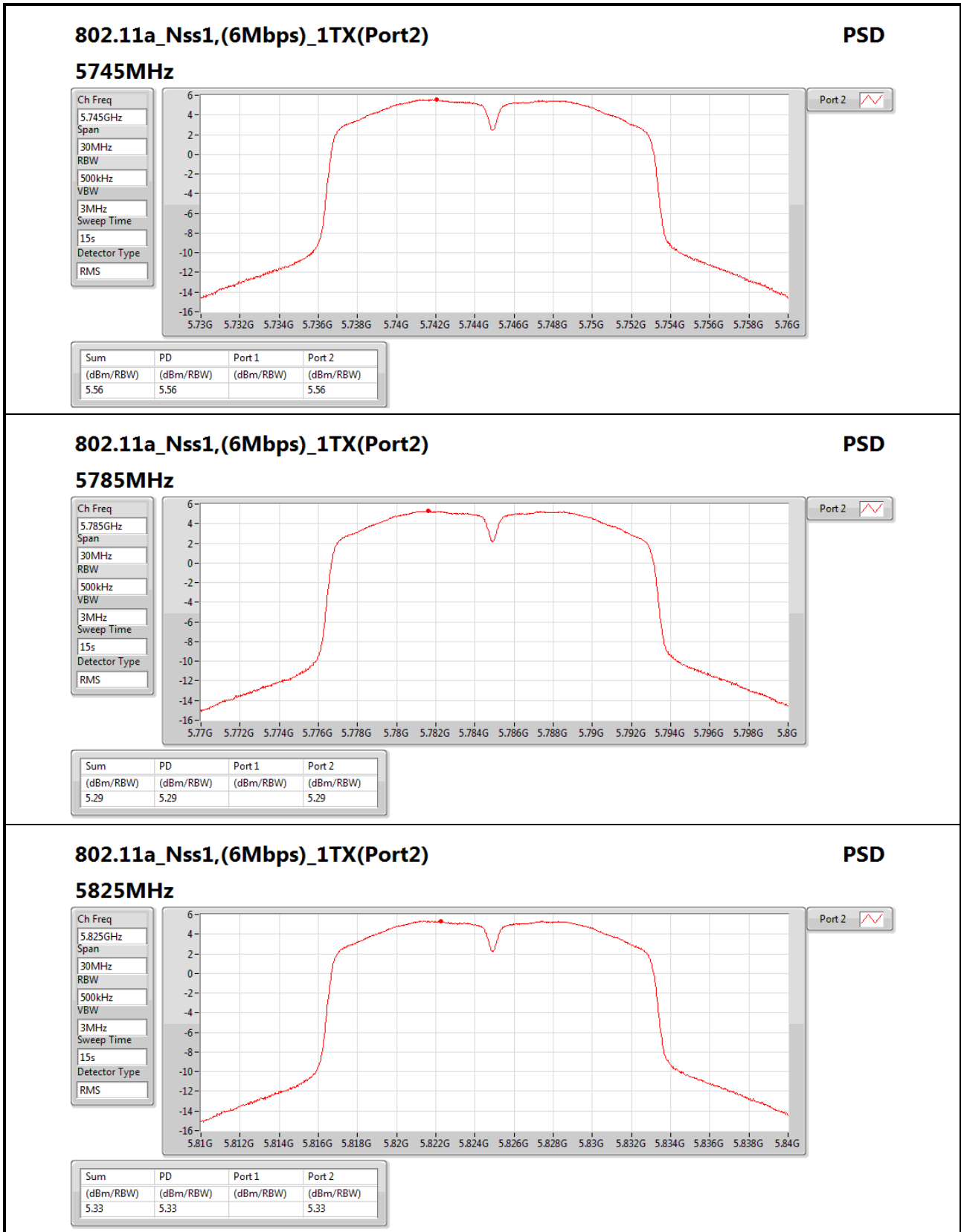
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	4.76		3.52	3.52	11.00	8.28	17.00
5200MHz_TnomVnom	Pass	4.76		6.19	6.19	11.00	10.95	17.00
5240MHz_TnomVnom	Pass	4.76		5.27	5.27	11.00	10.03	17.00
5745MHz_TnomVnom	Pass	4.76		5.56	5.56	30.00	10.32	36.00
5785MHz_TnomVnom	Pass	4.76		5.29	5.29	30.00	10.05	36.00
5825MHz_TnomVnom	Pass	4.76		5.33	5.33	30.00	10.09	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz_TnomVnom	Pass	7.73	2.18	1.17	4.68	9.27	12.41	17.00
5200MHz_TnomVnom	Pass	7.73	4.00	3.22	6.62	9.27	14.35	17.00
5240MHz_TnomVnom	Pass	7.73	4.01	3.37	6.67	9.27	14.40	17.00
5745MHz_TnomVnom	Pass	7.73	5.19	4.67	7.91	28.27	15.64	36.00
5785MHz_TnomVnom	Pass	7.73	4.73	4.39	7.54	28.27	15.27	36.00
5825MHz_TnomVnom	Pass	7.73	4.51	4.55	7.50	28.27	15.23	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz_TnomVnom	Pass	7.73	-4.22	-4.85	-1.57	9.27	6.16	17.00
5230MHz_TnomVnom	Pass	7.73	-0.01	-0.79	2.61	9.27	10.34	17.00
5755MHz_TnomVnom	Pass	7.73	0.79	-0.32	3.24	28.27	10.97	36.00
5795MHz_TnomVnom	Pass	7.73	1.31	0.92	4.12	28.27	11.85	36.00

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

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




802.11a_Nss1,(6Mbps)_1TX(Port2)
PSD

5825MHz

Ch Freq
5.825GHz

Span
30MHz

RBW
500kHz

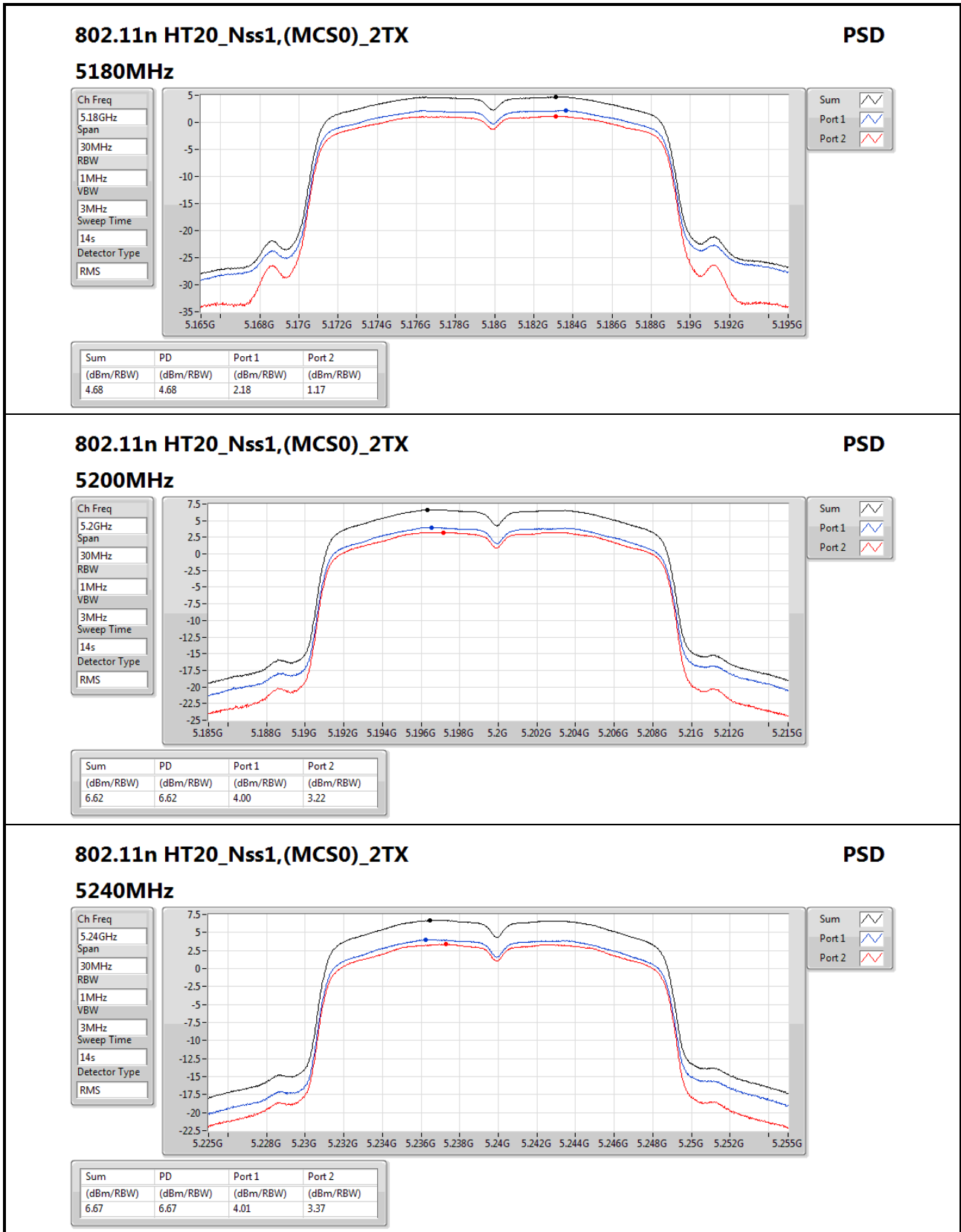
VBW
3MHz

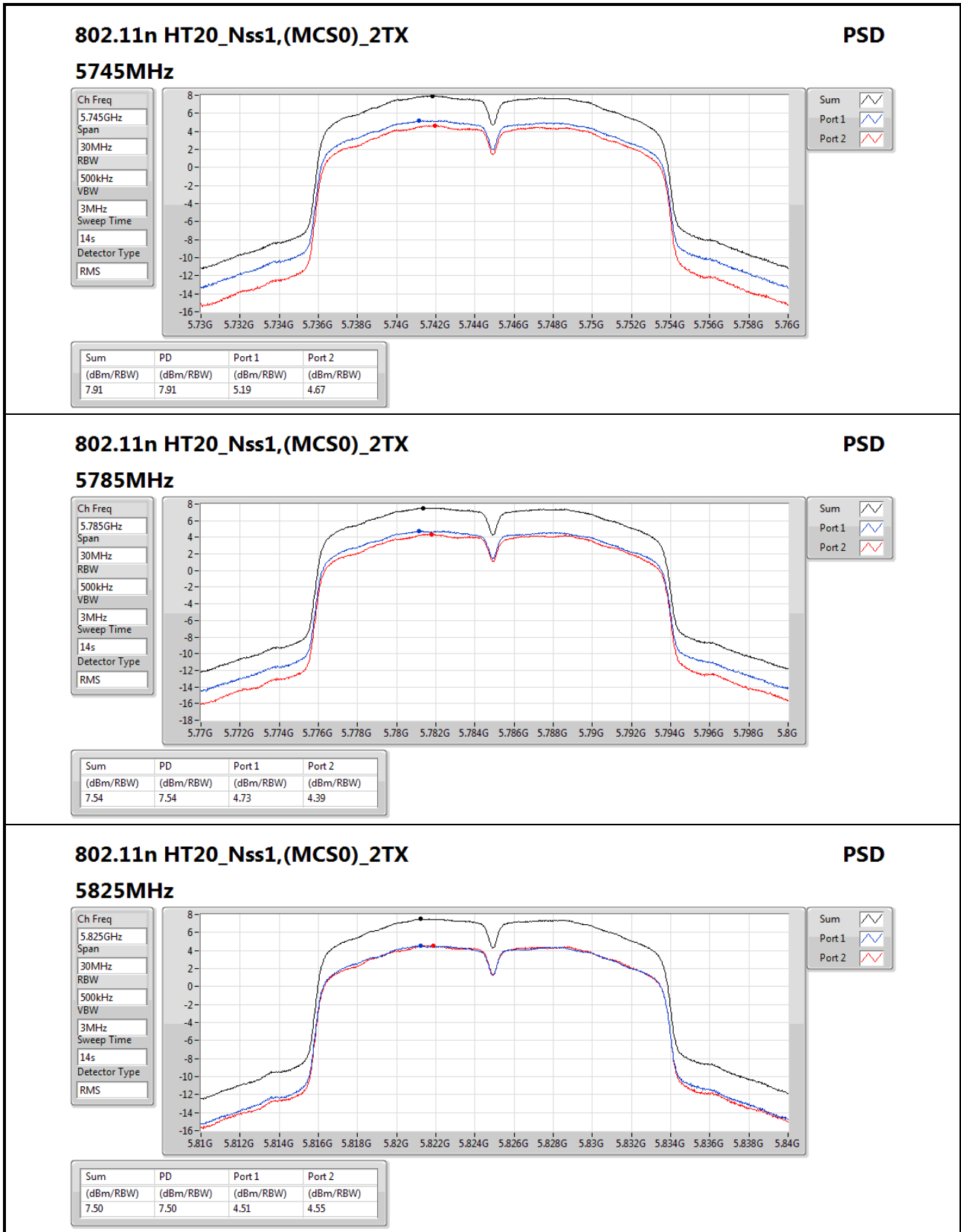
Sweep Time
15s

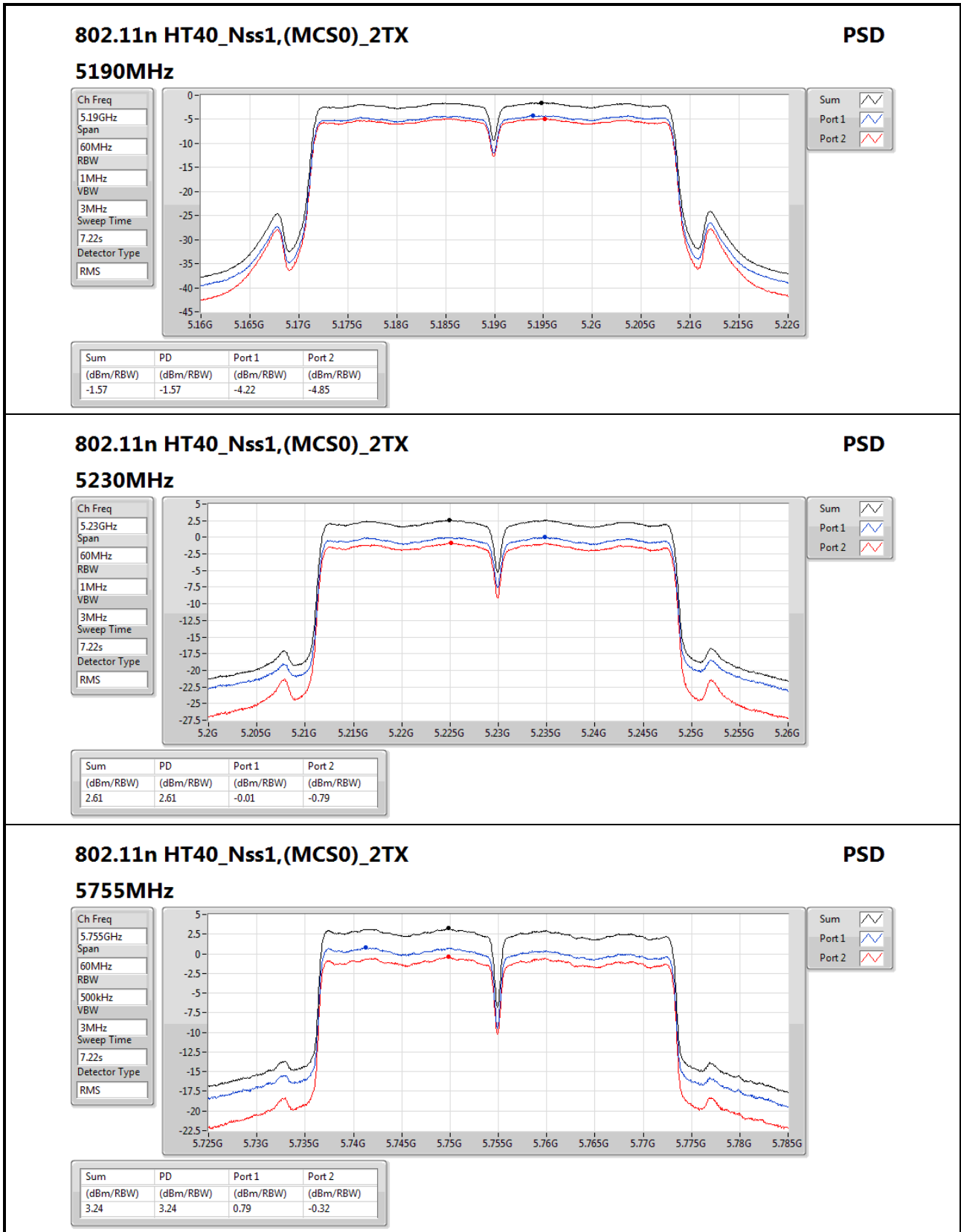
Detector Type
RMS

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.33	5.33		5.33






802.11n HT40_Nss1,(MCS0)_2TX
PSD

5755MHz

Ch Freq
5.755GHz

Span
60MHz

RBW
500kHz

VBW
3MHz

Sweep Time
7.22s

Detector Type
RMS

Sum

Port 1

Port 2

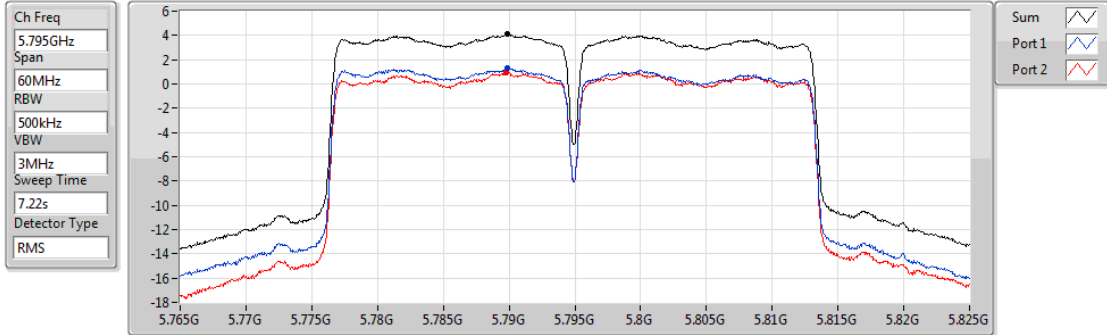
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.24	3.24	0.79	-0.32



802.11n HT40_Nss1,(MCS0)_2TX

PSD

5795MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.12	4.12	1.31	0.92



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	QP	311.3M	42.83	46.00	-3.17	-6.16	3	Horizontal	240	1.50	-

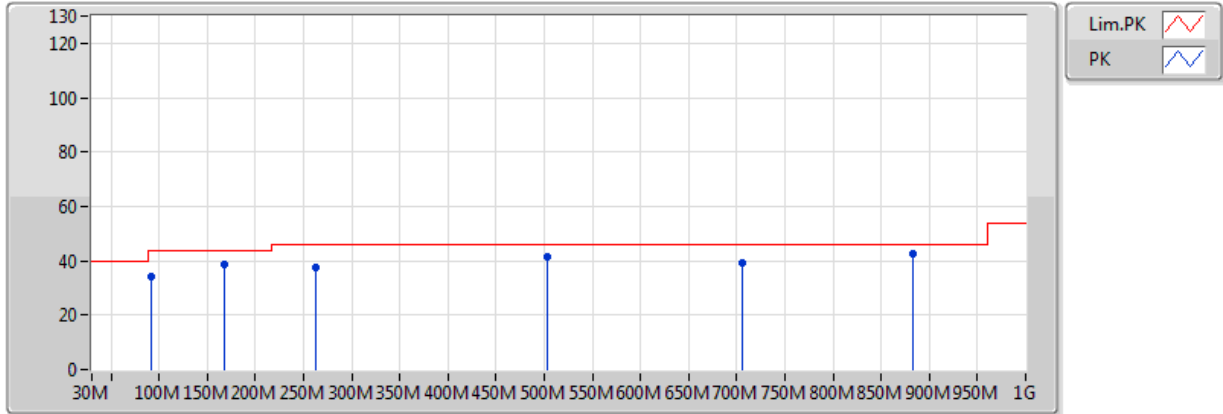


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5755MHz	Pass	PK	95.96M	27.45	43.50	-16.05	-11.17	3	Horizontal	0	1.00	-
5755MHz	Pass	PK	167.74M	39.69	43.50	-3.81	-10.74	3	Horizontal	0	1.00	-
5755MHz	Pass	PK	262.8M	39.89	46.00	-6.11	-6.53	3	Horizontal	0	1.00	-
5755MHz	Pass	PK	503.36M	35.22	46.00	-10.78	-2.46	3	Horizontal	0	1.00	-
5755MHz	Pass	PK	705.12M	37.56	46.00	-8.44	-0.24	3	Horizontal	0	1.00	-
5755MHz	Pass	QP	311.3M	42.83	46.00	-3.17	-6.16	3	Horizontal	240	1.50	-
5755MHz	Pass	PK	92.08M	34.17	43.50	-9.33	-12.04	3	Vertical	360	1.00	-
5755MHz	Pass	PK	167.74M	38.91	43.50	-4.59	-10.74	3	Vertical	360	1.00	-
5755MHz	Pass	PK	262.8M	37.33	46.00	-8.67	-6.53	3	Vertical	360	1.00	-
5755MHz	Pass	PK	503.36M	41.45	46.00	-4.55	-2.46	3	Vertical	360	1.00	-
5755MHz	Pass	PK	705.12M	39.09	46.00	-6.91	-0.24	3	Vertical	360	1.00	-
5755MHz	Pass	PK	883.6M	42.31	46.00	-3.69	2.72	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_adapter

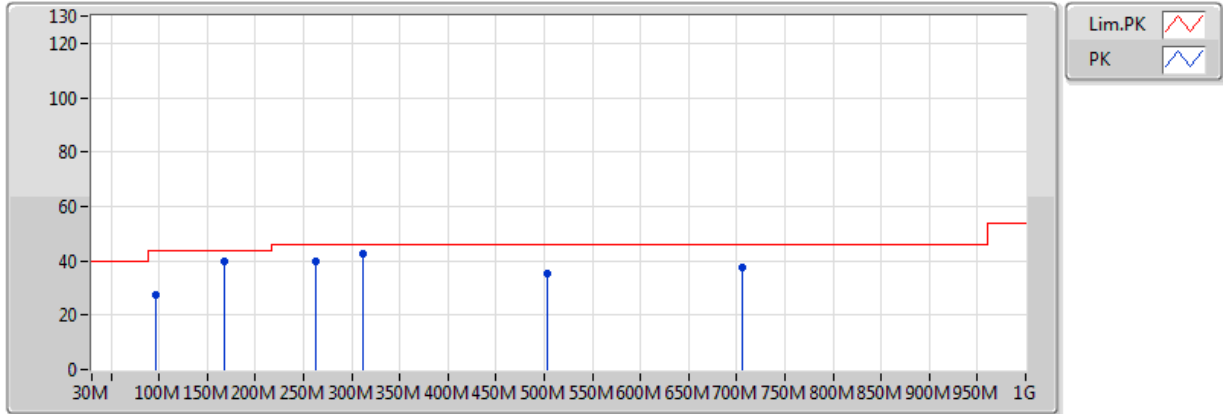


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	92.08M	34.17	43.50	-9.33	-12.04	3	Vertical	360	1.00	-	46.21	14.34	1.39	27.77
PK	167.74M	38.91	43.50	-4.59	-10.74	3	Vertical	360	1.00	-	49.65	14.88	1.94	27.56
PK	262.8M	37.33	46.00	-8.67	-6.53	3	Vertical	360	1.00	-	43.86	18.47	2.29	27.29
PK	503.36M	41.45	46.00	-4.55	-2.46	3	Vertical	360	1.00	-	43.91	22.63	3.40	28.49
PK	705.12M	39.09	46.00	-6.91	-0.24	3	Vertical	360	1.00	-	39.33	24.02	4.11	28.36
PK	883.6M	42.31	46.00	-3.69	2.72	3	Vertical	360	1.00	-	39.59	25.40	5.05	27.73

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_adapter



EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	95.96M	27.45	43.50	-16.05	-11.17	3	Horizontal	0	1.00	-	38.62	15.16	1.46	27.79
PK	167.74M	39.69	43.50	-3.81	-10.74	3	Horizontal	0	1.00	-	50.43	14.88	1.94	27.56
PK	262.8M	39.89	46.00	-6.11	-6.53	3	Horizontal	0	1.00	-	46.42	18.47	2.29	27.29
PK	503.36M	35.22	46.00	-10.78	-2.46	3	Horizontal	0	1.00	-	37.68	22.63	3.40	28.49
PK	705.12M	37.56	46.00	-8.44	-0.24	3	Horizontal	0	1.00	-	37.80	24.02	4.11	28.36
QP	311.3M	42.83	46.00	-3.17	-6.16	3	Horizontal	240	1.50	-	48.99	18.58	2.54	27.29



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	5.149995G	53.66	54.00	-0.34	6.59	3	Vertical	280	1.02	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	5.1494G	73.90	74.00	-0.10	6.59	3	Vertical	40	1.21	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	AV	5.1496G	53.80	54.00	-0.20	6.59	3	Vertical	40	1.01	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	5.927G	61.64	68.20	-6.56	8.23	3	Vertical	269	1.04	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	5.6026G	59.98	68.20	-8.22	7.51	3	Vertical	19	1.06	-
802.11n HT40_Nss1,(MCS0)_2TX	Pass	PK	5.6482G	67.52	68.20	-0.68	7.61	3	Vertical	25	1.03	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	47.07	54.00	-6.93	6.59	3	Horizontal	343	1.17	-
5180MHz	Pass	AV	5.177G	88.29	Inf	-Inf	6.64	3	Horizontal	343	1.17	-
5180MHz	Pass	PK	5.149995G	64.78	74.00	-9.22	6.59	3	Horizontal	343	1.17	-
5180MHz	Pass	PK	5.1774G	99.63	Inf	-Inf	6.64	3	Horizontal	343	1.17	-
5180MHz	Pass	AV	5.149995G	52.96	54.00	-1.04	6.59	3	Vertical	279	1.03	-
5180MHz	Pass	AV	5.183G	97.00	Inf	-Inf	6.66	3	Vertical	279	1.03	-
5180MHz	Pass	PK	5.1498G	73.30	74.00	-0.70	6.59	3	Vertical	279	1.03	-
5180MHz	Pass	PK	5.1798G	107.96	Inf	-Inf	6.65	3	Vertical	279	1.03	-
5180MHz	Pass	AV	15.53196G	47.12	54.00	-6.88	15.96	3	Horizontal	28	1.91	-
5180MHz	Pass	PK	15.53208G	60.61	74.00	-13.39	15.96	3	Horizontal	28	1.91	-
5180MHz	Pass	AV	15.52788G	47.15	54.00	-6.85	15.97	3	Vertical	305	1.37	-
5180MHz	Pass	PK	15.5328G	61.25	74.00	-12.75	15.95	3	Vertical	305	1.37	-
5200MHz	Pass	AV	5.149995G	47.93	54.00	-6.07	6.59	3	Horizontal	343	1.04	-
5200MHz	Pass	AV	5.2032G	91.47	Inf	-Inf	6.70	3	Horizontal	343	1.04	-
5200MHz	Pass	PK	5.1468G	62.48	74.00	-11.52	6.58	3	Horizontal	343	1.04	-
5200MHz	Pass	PK	5.202G	102.40	Inf	-Inf	6.69	3	Horizontal	343	1.04	-
5200MHz	Pass	AV	5.149995G	53.66	54.00	-0.34	6.59	3	Vertical	280	1.02	-
5200MHz	Pass	AV	5.2032G	99.51	Inf	-Inf	6.70	3	Vertical	280	1.02	-
5200MHz	Pass	PK	5.142G	69.18	74.00	-4.82	6.57	3	Vertical	280	1.02	-
5200MHz	Pass	PK	5.2044G	110.68	Inf	-Inf	6.70	3	Vertical	280	1.02	-
5200MHz	Pass	AV	15.58638G	46.00	54.00	-8.00	15.77	3	Horizontal	223	1.91	-
5200MHz	Pass	PK	15.60402G	59.66	74.00	-14.34	15.71	3	Horizontal	223	1.91	-
5200MHz	Pass	AV	15.58536G	45.96	54.00	-8.04	15.77	3	Vertical	349	1.33	-
5200MHz	Pass	PK	15.60252G	59.90	74.00	-14.10	15.72	3	Vertical	349	1.33	-
5240MHz	Pass	AV	5.0954G	45.13	54.00	-8.87	6.48	3	Horizontal	350	1.54	-
5240MHz	Pass	AV	5.2424G	92.48	Inf	-Inf	6.77	3	Horizontal	350	1.54	-
5240MHz	Pass	AV	5.3846G	45.98	54.00	-8.02	7.06	3	Horizontal	350	1.54	-
5240MHz	Pass	PK	5.132G	57.50	74.00	-16.50	6.55	3	Horizontal	350	1.54	-
5240MHz	Pass	PK	5.2382G	102.90	Inf	-Inf	6.77	3	Horizontal	350	1.54	-
5240MHz	Pass	PK	5.3792G	58.43	74.00	-15.57	7.05	3	Horizontal	350	1.54	-
5240MHz	Pass	AV	5.149995G	46.66	54.00	-7.34	6.59	3	Vertical	278	1.01	-
5240MHz	Pass	AV	5.237G	101.15	Inf	-Inf	6.76	3	Vertical	278	1.01	-
5240MHz	Pass	AV	5.3858G	47.95	54.00	-6.05	7.06	3	Vertical	278	1.01	-
5240MHz	Pass	PK	5.1464G	61.61	74.00	-12.39	6.58	3	Vertical	278	1.01	-
5240MHz	Pass	PK	5.2358G	111.64	Inf	-Inf	6.76	3	Vertical	278	1.01	-
5240MHz	Pass	PK	5.3576G	60.94	74.00	-13.06	7.01	3	Vertical	278	1.01	-
5240MHz	Pass	AV	15.70764G	43.89	54.00	-10.11	15.36	3	Horizontal	144	1.87	-
5240MHz	Pass	PK	15.72066G	57.27	74.00	-16.73	15.31	3	Horizontal	144	1.87	-
5240MHz	Pass	AV	15.7086G	43.86	54.00	-10.14	15.35	3	Vertical	155	1.67	-
5240MHz	Pass	PK	15.70818G	57.70	74.00	-16.30	15.36	3	Vertical	155	1.67	-
5745MHz	Pass	AV	5.7414G	95.01	Inf	-Inf	7.82	3	Horizontal	34	1.03	-
5745MHz	Pass	PK	5.6022G	58.91	68.20	-9.29	7.50	3	Horizontal	34	1.03	-
5745MHz	Pass	PK	5.7414G	104.77	Inf	-Inf	7.82	3	Horizontal	34	1.03	-
5745MHz	Pass	PK	5.961G	58.58	68.20	-9.62	8.30	3	Horizontal	34	1.03	-
5745MHz	Pass	AV	5.7426G	101.64	Inf	-Inf	7.82	3	Vertical	276	1.03	-
5745MHz	Pass	PK	5.6466G	61.49	68.20	-6.71	7.60	3	Vertical	276	1.03	-
5745MHz	Pass	PK	5.7438G	112.26	Inf	-Inf	7.82	3	Vertical	276	1.03	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	5.9646G	59.43	68.20	-8.77	8.31	3	Vertical	276	1.03	-
5745MHz	Pass	AV	11.48286G	41.23	54.00	-12.77	15.78	3	Horizontal	152	2.24	-
5745MHz	Pass	PK	11.47662G	54.63	74.00	-19.37	15.78	3	Horizontal	152	2.24	-
5745MHz	Pass	AV	11.48844G	41.52	54.00	-12.48	15.77	3	Vertical	191	1.57	-
5745MHz	Pass	PK	11.48904G	54.91	74.00	-19.09	15.77	3	Vertical	191	1.57	-
5785MHz	Pass	AV	5.7826G	94.41	Inf	-Inf	7.91	3	Horizontal	30	1.01	-
5785MHz	Pass	PK	5.5078G	58.29	68.20	-9.91	7.30	3	Horizontal	30	1.01	-
5785MHz	Pass	PK	5.791G	104.15	Inf	-Inf	7.93	3	Horizontal	30	1.01	-
5785MHz	Pass	PK	5.9494G	58.67	68.20	-9.53	8.28	3	Horizontal	30	1.01	-
5785MHz	Pass	AV	5.7826G	101.11	Inf	-Inf	7.91	3	Vertical	276	1.04	-
5785MHz	Pass	PK	5.5558G	60.07	68.20	-8.13	7.40	3	Vertical	276	1.04	-
5785MHz	Pass	PK	5.7814G	111.22	Inf	-Inf	7.91	3	Vertical	276	1.04	-
5785MHz	Pass	PK	5.9806G	59.03	68.20	-9.17	8.35	3	Vertical	276	1.04	-
5785MHz	Pass	AV	11.57546G	40.68	54.00	-13.32	15.71	3	Horizontal	137	1.87	-
5785MHz	Pass	PK	11.57132G	54.34	74.00	-19.66	15.71	3	Horizontal	137	1.87	-
5785MHz	Pass	AV	11.56922G	40.85	54.00	-13.15	15.71	3	Vertical	210	1.65	-
5785MHz	Pass	PK	11.57108G	54.81	74.00	-19.19	15.71	3	Vertical	210	1.65	-
5825MHz	Pass	AV	5.8214G	93.49	Inf	-Inf	8.00	3	Horizontal	38	1.18	-
5825MHz	Pass	PK	5.6198G	58.35	68.20	-9.85	7.54	3	Horizontal	38	1.18	-
5825MHz	Pass	PK	5.8202G	103.38	Inf	-Inf	7.99	3	Horizontal	38	1.18	-
5825MHz	Pass	PK	5.9438G	59.09	68.20	-9.11	8.27	3	Horizontal	38	1.18	-
5825MHz	Pass	AV	5.8214G	100.60	Inf	-Inf	8.00	3	Vertical	269	1.04	-
5825MHz	Pass	PK	5.6018G	59.91	68.20	-8.29	7.50	3	Vertical	269	1.04	-
5825MHz	Pass	PK	5.8274G	110.05	Inf	-Inf	8.01	3	Vertical	269	1.04	-
5825MHz	Pass	PK	5.927G	61.64	68.20	-6.56	8.23	3	Vertical	269	1.04	-
5825MHz	Pass	AV	11.63926G	40.42	54.00	-13.58	15.66	3	Horizontal	53	1.92	-
5825MHz	Pass	PK	11.66128G	53.69	74.00	-20.31	15.64	3	Horizontal	53	1.92	-
5825MHz	Pass	AV	11.6452G	40.45	54.00	-13.55	15.66	3	Vertical	343	2.44	-
5825MHz	Pass	PK	11.6554G	53.68	74.00	-20.32	15.65	3	Vertical	343	2.44	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.149995G	47.78	54.00	-6.22	6.59	3	Horizontal	158	1.31	-
5180MHz	Pass	AV	5.1826G	92.31	Inf	-Inf	6.66	3	Horizontal	158	1.31	-
5180MHz	Pass	PK	5.149995G	67.01	74.00	-6.99	6.59	3	Horizontal	158	1.31	-
5180MHz	Pass	PK	5.1826G	102.07	Inf	-Inf	6.66	3	Horizontal	158	1.31	-
5180MHz	Pass	AV	5.149995G	51.08	54.00	-2.92	6.59	3	Vertical	40	1.21	-
5180MHz	Pass	AV	5.1832G	96.88	Inf	-Inf	6.66	3	Vertical	40	1.21	-
5180MHz	Pass	PK	5.1494G	73.90	74.00	-0.10	6.59	3	Vertical	40	1.21	-
5180MHz	Pass	PK	5.182G	107.45	Inf	-Inf	6.65	3	Vertical	40	1.21	-
5180MHz	Pass	AV	15.52512G	47.11	54.00	-6.89	15.98	3	Horizontal	197	2.06	-
5180MHz	Pass	PK	15.5265G	60.26	74.00	-13.74	15.97	3	Horizontal	197	2.06	-
5180MHz	Pass	AV	15.52818G	47.07	54.00	-6.93	15.97	3	Vertical	30	2.20	-
5180MHz	Pass	PK	15.53814G	61.18	74.00	-12.82	15.93	3	Vertical	30	2.20	-
5200MHz	Pass	AV	5.149995G	48.32	54.00	-5.68	6.59	3	Horizontal	158	1.21	-
5200MHz	Pass	AV	5.2028G	94.20	Inf	-Inf	6.70	3	Horizontal	158	1.21	-
5200MHz	Pass	PK	5.1484G	61.96	74.00	-12.04	6.59	3	Horizontal	158	1.21	-
5200MHz	Pass	PK	5.2024G	103.58	Inf	-Inf	6.69	3	Horizontal	158	1.21	-
5200MHz	Pass	AV	5.149995G	53.78	54.00	-0.22	6.59	3	Vertical	43	1.11	-
5200MHz	Pass	AV	5.2012G	99.06	Inf	-Inf	6.69	3	Vertical	43	1.11	-
5200MHz	Pass	PK	5.1496G	67.41	74.00	-6.59	6.59	3	Vertical	43	1.11	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5200MHz	Pass	PK	5.2036G	108.99	Inf	-Inf	6.70	3	Vertical	43	1.11	-
5200MHz	Pass	AV	15.5865G	45.83	54.00	-8.17	15.77	3	Horizontal	145	2.43	-
5200MHz	Pass	PK	15.58848G	60.34	74.00	-13.66	15.76	3	Horizontal	145	2.43	-
5200MHz	Pass	AV	15.58506G	45.98	54.00	-8.02	15.77	3	Vertical	146	2.38	-
5200MHz	Pass	PK	15.60288G	59.37	74.00	-14.63	15.71	3	Vertical	146	2.38	-
5240MHz	Pass	AV	5.0936G	45.40	54.00	-8.60	6.48	3	Horizontal	158	1.27	-
5240MHz	Pass	AV	5.2376G	96.75	Inf	-Inf	6.77	3	Horizontal	158	1.27	-
5240MHz	Pass	AV	5.3552G	46.28	54.00	-7.72	7.00	3	Horizontal	158	1.27	-
5240MHz	Pass	PK	5.1152G	57.76	74.00	-16.24	6.52	3	Horizontal	158	1.27	-
5240MHz	Pass	PK	5.2424G	107.01	Inf	-Inf	6.77	3	Horizontal	158	1.27	-
5240MHz	Pass	PK	5.3558G	60.33	74.00	-13.67	7.00	3	Horizontal	158	1.27	-
5240MHz	Pass	AV	5.149995G	47.06	54.00	-6.94	6.59	3	Vertical	47	1.00	-
5240MHz	Pass	AV	5.2364G	101.03	Inf	-Inf	6.76	3	Vertical	47	1.00	-
5240MHz	Pass	AV	5.350005G	47.57	54.00	-6.43	6.99	3	Vertical	47	1.00	-
5240MHz	Pass	PK	5.144G	61.90	74.00	-12.10	6.58	3	Vertical	47	1.00	-
5240MHz	Pass	PK	5.2364G	111.19	Inf	-Inf	6.76	3	Vertical	47	1.00	-
5240MHz	Pass	PK	5.3534G	63.18	74.00	-10.82	7.00	3	Vertical	47	1.00	-
5240MHz	Pass	AV	15.70782G	43.84	54.00	-10.16	15.36	3	Horizontal	255	1.94	-
5240MHz	Pass	PK	15.7155G	56.92	74.00	-17.08	15.33	3	Horizontal	255	1.94	-
5240MHz	Pass	AV	15.70788G	43.88	54.00	-10.12	15.36	3	Vertical	184	1.20	-
5240MHz	Pass	PK	15.71028G	57.30	74.00	-16.70	15.35	3	Vertical	184	1.20	-
5745MHz	Pass	AV	5.7426G	96.46	Inf	-Inf	7.82	3	Horizontal	157	1.56	-
5745MHz	Pass	PK	5.559G	59.68	68.20	-8.52	7.41	3	Horizontal	157	1.56	-
5745MHz	Pass	PK	5.7426G	105.64	Inf	-Inf	7.82	3	Horizontal	157	1.56	-
5745MHz	Pass	PK	5.9634G	58.77	68.20	-9.43	8.31	3	Horizontal	157	1.56	-
5745MHz	Pass	AV	5.7426G	101.56	Inf	-Inf	7.82	3	Vertical	21	1.02	-
5745MHz	Pass	PK	5.541G	59.06	68.20	-9.14	7.37	3	Vertical	21	1.02	-
5745MHz	Pass	PK	5.7426G	111.27	Inf	-Inf	7.82	3	Vertical	21	1.02	-
5745MHz	Pass	PK	5.9658G	59.58	68.20	-8.62	8.31	3	Vertical	21	1.02	-
5745MHz	Pass	AV	11.49048G	42.12	54.00	-11.88	15.77	3	Horizontal	42	1.06	-
5745MHz	Pass	PK	11.4807G	55.13	74.00	-18.87	15.78	3	Horizontal	42	1.06	-
5745MHz	Pass	AV	11.48766G	42.45	54.00	-11.55	15.77	3	Vertical	96	1.60	-
5745MHz	Pass	PK	11.493G	55.34	74.00	-18.66	15.77	3	Vertical	96	1.60	-
5785MHz	Pass	AV	5.7826G	96.27	Inf	-Inf	7.91	3	Horizontal	174	1.91	-
5785MHz	Pass	PK	5.545G	59.05	68.20	-9.15	7.38	3	Horizontal	174	1.91	-
5785MHz	Pass	PK	5.7826G	106.05	Inf	-Inf	7.91	3	Horizontal	174	1.91	-
5785MHz	Pass	PK	5.9746G	59.33	68.20	-8.87	8.33	3	Horizontal	174	1.91	-
5785MHz	Pass	AV	5.7826G	101.04	Inf	-Inf	7.91	3	Vertical	19	1.06	-
5785MHz	Pass	PK	5.6026G	59.98	68.20	-8.22	7.51	3	Vertical	19	1.06	-
5785MHz	Pass	PK	5.7874G	110.45	Inf	-Inf	7.92	3	Vertical	19	1.06	-
5785MHz	Pass	PK	5.9338G	59.17	68.20	-9.03	8.24	3	Vertical	19	1.06	-
5785MHz	Pass	AV	11.57234G	41.92	54.00	-12.08	15.71	3	Horizontal	97	1.27	-
5785MHz	Pass	PK	11.56922G	55.07	74.00	-18.93	15.71	3	Horizontal	97	1.27	-
5785MHz	Pass	AV	11.57042G	42.85	54.00	-11.15	15.71	3	Vertical	89	2.01	-
5785MHz	Pass	PK	11.56514G	56.59	74.00	-17.41	15.72	3	Vertical	89	2.01	-
5825MHz	Pass	AV	5.8226G	96.17	Inf	-Inf	8.00	3	Horizontal	174	1.69	-
5825MHz	Pass	PK	5.603G	59.11	68.20	-9.09	7.51	3	Horizontal	174	1.69	-
5825MHz	Pass	PK	5.8226G	106.09	Inf	-Inf	8.00	3	Horizontal	174	1.69	-
5825MHz	Pass	PK	5.9666G	58.22	68.20	-9.98	8.32	3	Horizontal	174	1.69	-



RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	AV	5.8226G	99.58	Inf	-Inf	8.00	3	Vertical	21	1.04	-
5825MHz	Pass	PK	5.5946G	59.53	68.20	-8.67	7.49	3	Vertical	21	1.04	-
5825MHz	Pass	PK	5.8226G	109.52	Inf	-Inf	8.00	3	Vertical	21	1.04	-
5825MHz	Pass	PK	5.9438G	58.91	68.20	-9.29	8.27	3	Vertical	21	1.04	-
5825MHz	Pass	AV	11.65006G	41.88	54.00	-12.12	15.65	3	Horizontal	320	1.97	-
5825MHz	Pass	PK	11.6497G	55.32	74.00	-18.68	15.65	3	Horizontal	320	1.97	-
5825MHz	Pass	AV	11.65054G	43.79	54.00	-10.21	15.65	3	Vertical	57	1.81	-
5825MHz	Pass	PK	11.64508G	57.17	74.00	-16.83	15.66	3	Vertical	57	1.81	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.149995G	48.78	54.00	-5.22	6.59	3	Horizontal	158	1.08	-
5190MHz	Pass	AV	5.1952G	86.88	Inf	-Inf	6.68	3	Horizontal	158	1.08	-
5190MHz	Pass	PK	5.149995G	65.02	74.00	-8.98	6.59	3	Horizontal	158	1.08	-
5190MHz	Pass	PK	5.2076G	95.87	Inf	-Inf	6.71	3	Horizontal	158	1.08	-
5190MHz	Pass	AV	5.149995G	53.45	54.00	-0.55	6.59	3	Vertical	43	1.04	-
5190MHz	Pass	AV	5.204G	91.57	Inf	-Inf	6.70	3	Vertical	43	1.04	-
5190MHz	Pass	PK	5.1484G	68.69	74.00	-5.31	6.59	3	Vertical	43	1.04	-
5190MHz	Pass	PK	5.1972G	100.50	Inf	-Inf	6.68	3	Vertical	43	1.04	-
5190MHz	Pass	AV	15.5455G	46.66	54.00	-7.34	15.91	3	Horizontal	123	2.38	-
5190MHz	Pass	PK	15.5497G	60.27	74.00	-13.73	15.90	3	Horizontal	123	2.38	-
5190MHz	Pass	AV	15.5451G	46.79	54.00	-7.21	15.91	3	Vertical	170	1.30	-
5190MHz	Pass	PK	15.5496G	60.50	74.00	-13.50	15.90	3	Vertical	170	1.30	-
5230MHz	Pass	AV	5.1464G	48.82	54.00	-5.18	6.58	3	Horizontal	159	1.49	-
5230MHz	Pass	AV	5.2348G	91.26	Inf	-Inf	6.76	3	Horizontal	159	1.49	-
5230MHz	Pass	PK	5.1484G	61.91	74.00	-12.09	6.59	3	Horizontal	159	1.49	-
5230MHz	Pass	PK	5.2348G	100.53	Inf	-Inf	6.76	3	Horizontal	159	1.49	-
5230MHz	Pass	AV	5.1496G	53.80	54.00	-0.20	6.59	3	Vertical	40	1.01	-
5230MHz	Pass	AV	5.2364G	96.20	Inf	-Inf	6.76	3	Vertical	40	1.01	-
5230MHz	Pass	PK	5.149995G	68.40	74.00	-5.60	6.59	3	Vertical	40	1.01	-
5230MHz	Pass	PK	5.226G	105.66	Inf	-Inf	6.74	3	Vertical	40	1.01	-
5230MHz	Pass	AV	15.6659G	44.69	54.00	-9.31	15.50	3	Horizontal	288	1.89	-
5230MHz	Pass	PK	15.6685G	57.47	74.00	-16.53	15.49	3	Horizontal	288	1.89	-
5230MHz	Pass	AV	15.6651G	44.62	54.00	-9.38	15.50	3	Vertical	171	2.18	-
5230MHz	Pass	PK	15.6863G	57.53	74.00	-16.47	15.43	3	Vertical	171	2.18	-
5755MHz	Pass	AV	5.7382G	92.74	Inf	-Inf	7.81	3	Horizontal	157	1.48	-
5755MHz	Pass	PK	5.6482G	63.67	68.20	-4.53	7.61	3	Horizontal	157	1.48	-
5755MHz	Pass	PK	5.7382G	101.28	Inf	-Inf	7.81	3	Horizontal	157	1.48	-
5755MHz	Pass	PK	5.9878G	59.16	68.20	-9.04	8.36	3	Horizontal	157	1.48	-
5755MHz	Pass	AV	5.7502G	97.86	Inf	-Inf	7.84	3	Vertical	25	1.03	-
5755MHz	Pass	PK	5.6482G	67.52	68.20	-0.68	7.61	3	Vertical	25	1.03	-
5755MHz	Pass	PK	5.7418G	107.15	Inf	-Inf	7.82	3	Vertical	25	1.03	-
5755MHz	Pass	PK	5.9254G	60.03	68.20	-8.17	8.23	3	Vertical	25	1.03	-
5755MHz	Pass	AV	11.5106G	41.73	54.00	-12.27	15.76	3	Horizontal	55	2.19	-
5755MHz	Pass	PK	11.4875G	55.71	74.00	-18.29	15.77	3	Horizontal	55	2.19	-
5755MHz	Pass	AV	11.5053G	41.70	54.00	-12.30	15.76	3	Vertical	221	1.05	-
5755MHz	Pass	PK	11.5177G	54.82	74.00	-19.18	15.75	3	Vertical	221	1.05	-
5795MHz	Pass	AV	5.7974G	93.07	Inf	-Inf	7.94	3	Horizontal	175	1.57	-
5795MHz	Pass	PK	5.5766G	59.51	68.20	-8.69	7.45	3	Horizontal	175	1.57	-
5795MHz	Pass	PK	5.7926G	102.13	Inf	-Inf	7.93	3	Horizontal	175	1.57	-
5795MHz	Pass	PK	5.9246G	62.23	68.50	-6.26	8.22	3	Horizontal	175	1.57	-



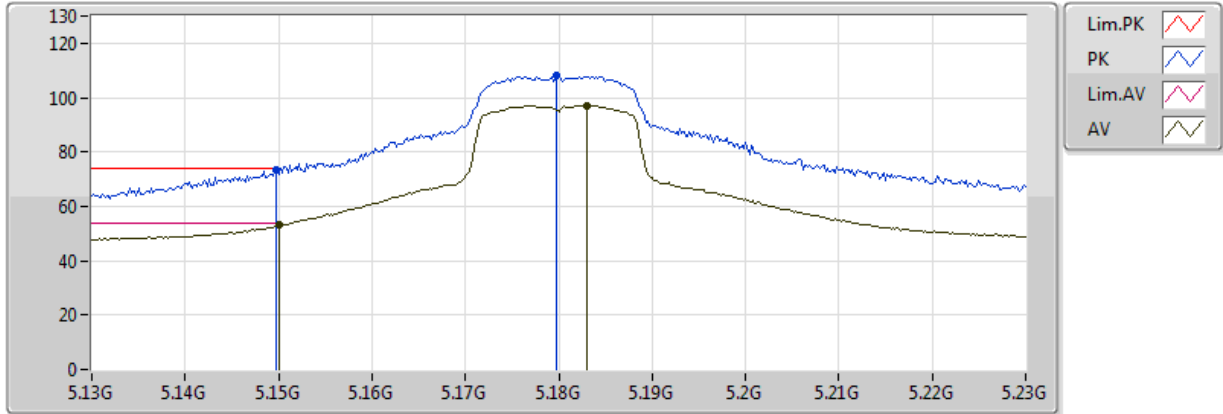
RSE TX above 1GHz Result

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5795MHz	Pass	AV	5.7926G	97.59	Inf	-Inf	7.93	3	Vertical	19	1.04	-
5795MHz	Pass	PK	5.6246G	61.69	68.20	-6.51	7.55	3	Vertical	19	1.04	-
5795MHz	Pass	PK	5.7818G	107.19	Inf	-Inf	7.91	3	Vertical	19	1.04	-
5795MHz	Pass	PK	5.9246G	64.00	68.50	-4.50	8.22	3	Vertical	19	1.04	-
5795MHz	Pass	AV	11.5903G	41.43	54.00	-12.57	15.70	3	Horizontal	69	1.95	-
5795MHz	Pass	PK	11.5806G	54.84	74.00	-19.16	15.70	3	Horizontal	69	1.95	-
5795MHz	Pass	AV	11.5905G	41.98	54.00	-12.02	15.70	3	Vertical	27	2.09	-
5795MHz	Pass	PK	11.5853G	55.63	74.00	-18.37	15.70	3	Vertical	27	2.09	-

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

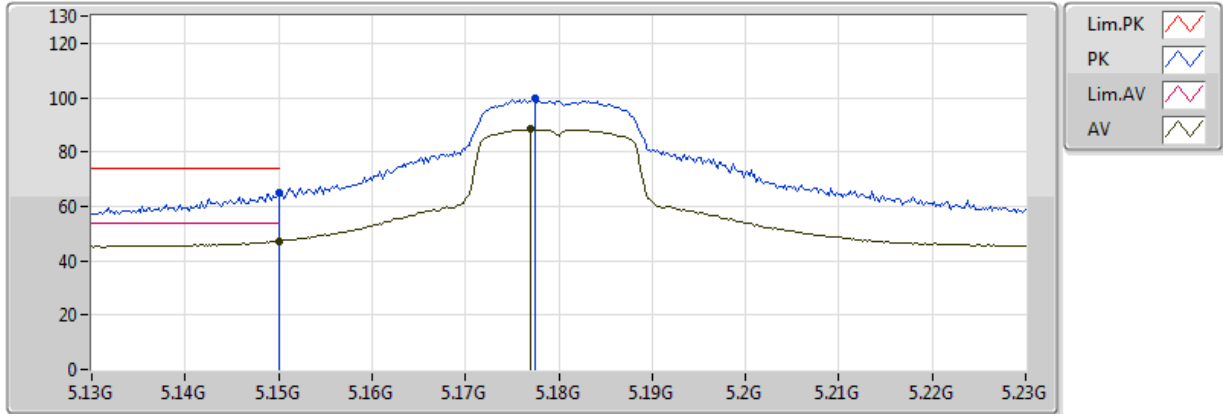


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	52.96	54.00	-1.04	6.59	3	Vertical	279	1.03	-	46.37	31.68	4.72	29.81
AV	5.183G	97.00	Inf	-Inf	6.66	3	Vertical	279	1.03	-	90.34	31.72	4.75	29.81
PK	5.1498G	73.30	74.00	-0.70	6.59	3	Vertical	279	1.03	-	66.71	31.68	4.72	29.81
PK	5.1798G	107.96	Inf	-Inf	6.65	3	Vertical	279	1.03	-	101.31	31.72	4.74	29.81

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

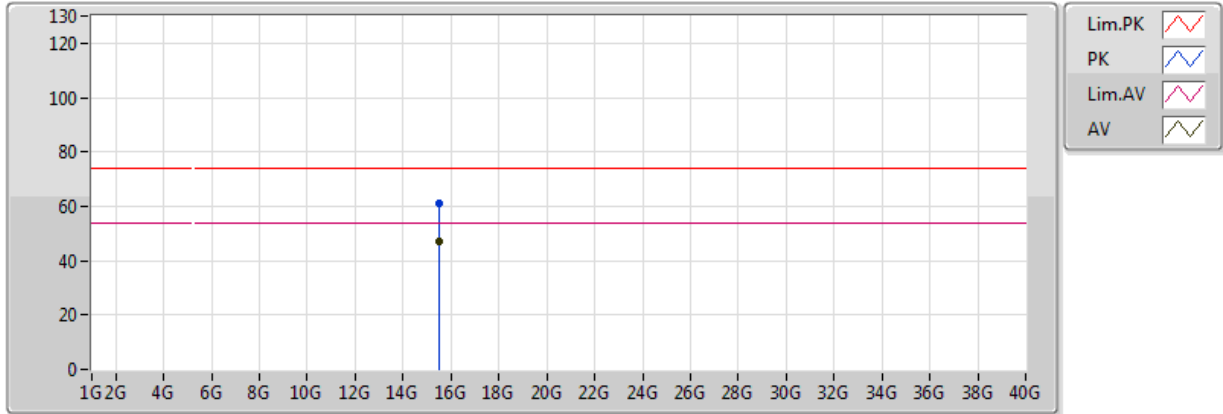


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	47.07	54.00	-6.93	6.59	3	Horizontal	343	1.17	-	40.48	31.68	4.72	29.81
AV	5.177G	88.29	Inf	-Inf	6.64	3	Horizontal	343	1.17	-	81.65	31.71	4.74	29.81
PK	5.149995G	64.78	74.00	-9.22	6.59	3	Horizontal	343	1.17	-	58.19	31.68	4.72	29.81
PK	5.1774G	99.63	Inf	-Inf	6.64	3	Horizontal	343	1.17	-	92.98	31.71	4.74	29.81

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

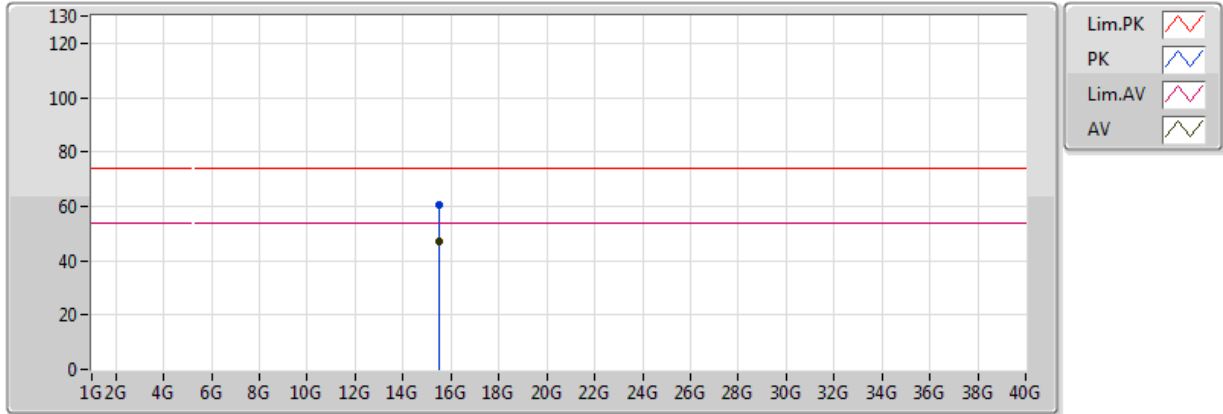


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.52788G	47.15	54.00	-6.85	15.97	3	Vertical	305	1.37	-	31.18	38.94	8.92	31.89
PK	15.5328G	61.25	74.00	-12.75	15.95	3	Vertical	305	1.37	-	45.30	38.92	8.92	31.89

802.11a_Nss1,(6Mbps)_1TX

5180MHz_TX

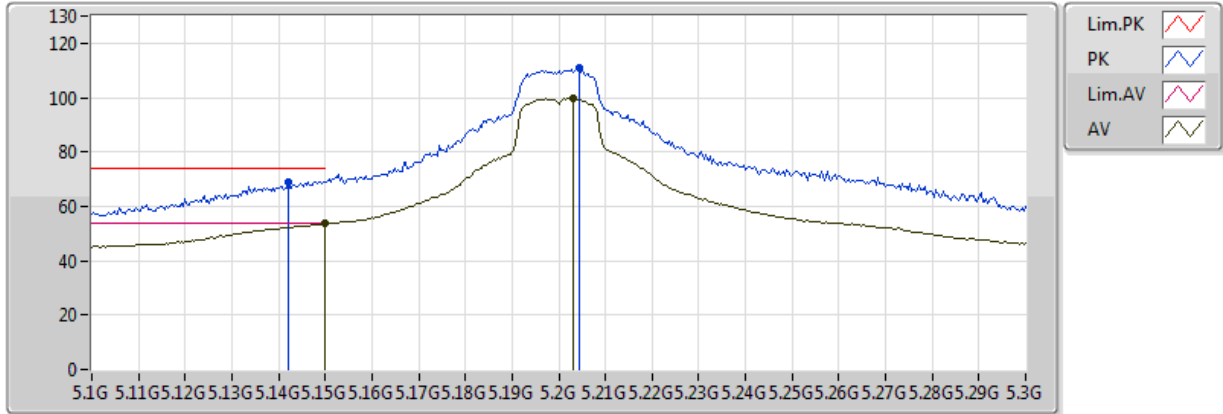


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.53196G	47.12	54.00	-6.88	15.96	3	Horizontal	28	1.91	-	31.16	38.93	8.92	31.89
PK	15.53208G	60.61	74.00	-13.39	15.96	3	Horizontal	28	1.91	-	44.65	38.92	8.92	31.89

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

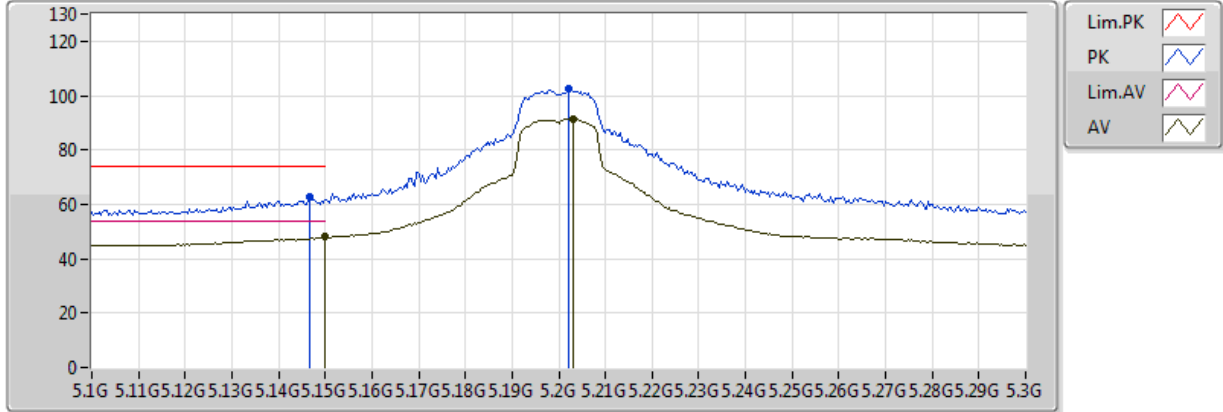


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.66	54.00	-0.34	6.59	3	Vertical	280	1.02	-	47.07	31.68	4.72	29.81
AV	5.2032G	99.51	Inf	-Inf	6.70	3	Vertical	280	1.02	-	92.81	31.74	4.76	29.81
PK	5.142G	69.18	74.00	-4.82	6.57	3	Vertical	280	1.02	-	62.60	31.67	4.71	29.81
PK	5.2044G	110.68	Inf	-Inf	6.70	3	Vertical	280	1.02	-	103.98	31.75	4.76	29.81

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

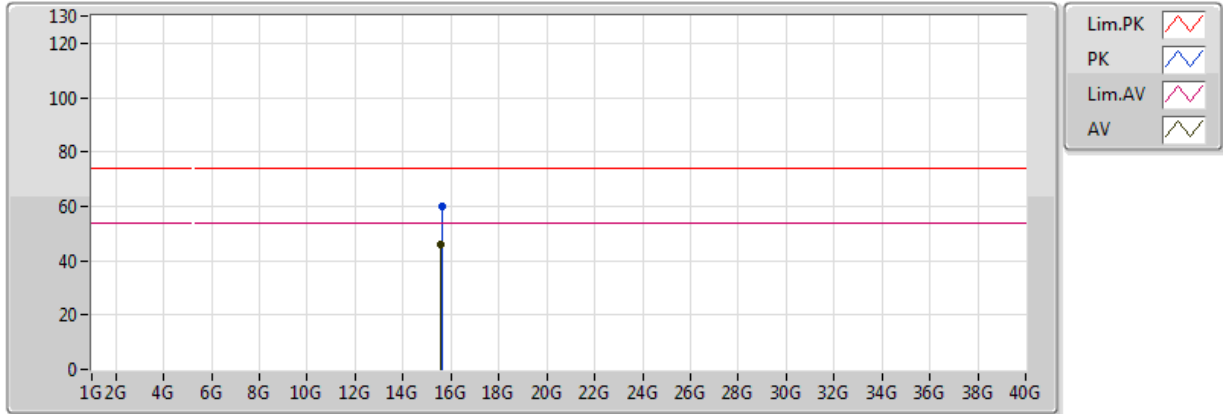


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	47.93	54.00	-6.07	6.59	3	Horizontal	343	1.04	-	41.34	31.68	4.72	29.81
AV	5.2032G	91.47	Inf	-Inf	6.70	3	Horizontal	343	1.04	-	84.78	31.74	4.76	29.81
PK	5.1468G	62.48	74.00	-11.52	6.58	3	Horizontal	343	1.04	-	55.90	31.68	4.72	29.81
PK	5.202G	102.40	Inf	-Inf	6.69	3	Horizontal	343	1.04	-	95.70	31.74	4.76	29.81

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

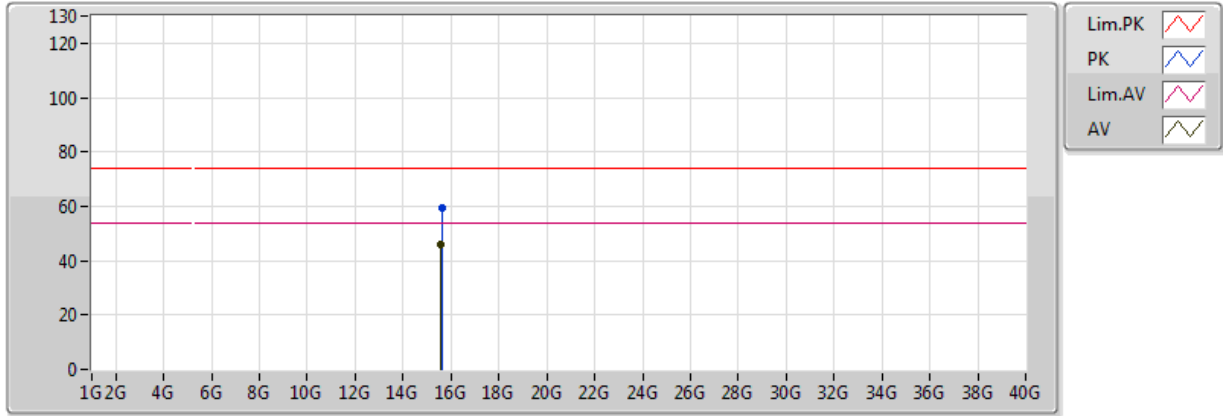


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.58536G	45.96	54.00	-8.04	15.77	3	Vertical	349	1.33	-	30.19	38.72	8.96	31.91
PK	15.60252G	59.90	74.00	-14.10	15.72	3	Vertical	349	1.33	-	44.18	38.65	8.98	31.91

802.11a_Nss1,(6Mbps)_1TX

5200MHz_TX

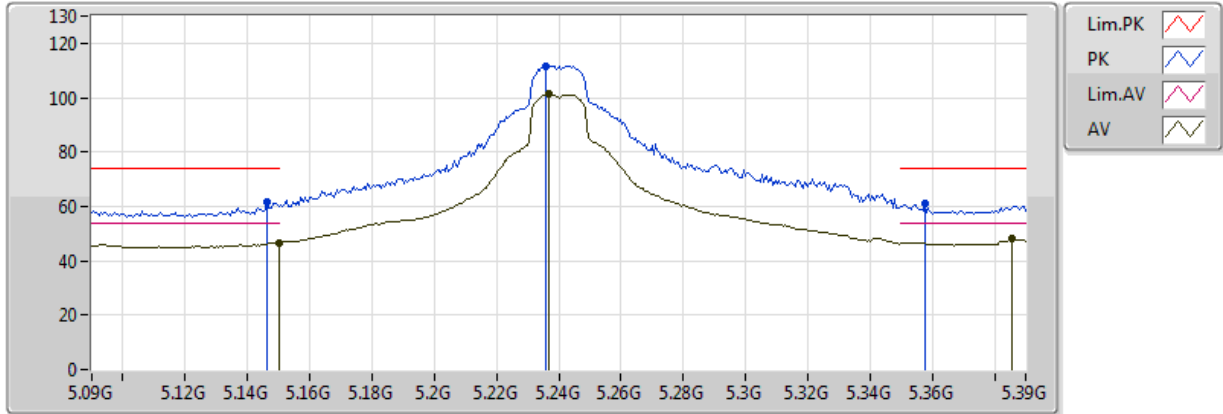


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.58638G	46.00	54.00	-8.00	15.77	3	Horizontal	223	1.91	-	30.22	38.71	8.96	31.91
PK	15.60402G	59.66	74.00	-14.34	15.71	3	Horizontal	223	1.91	-	43.95	38.64	8.98	31.91

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

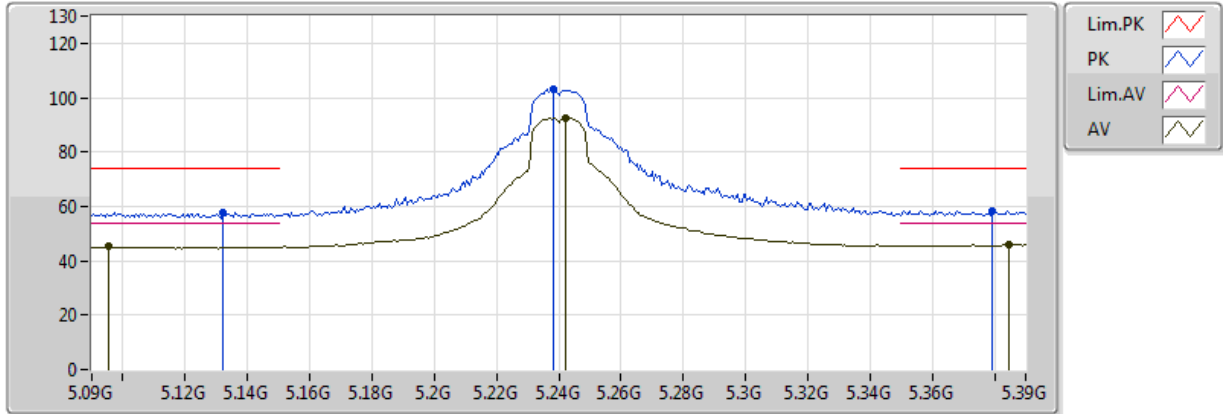


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	46.66	54.00	-7.34	6.59	3	Vertical	278	1.01	-	40.07	31.68	4.72	29.81
AV	5.237G	101.15	Inf	-Inf	6.76	3	Vertical	278	1.01	-	94.39	31.78	4.79	29.81
AV	5.3858G	47.95	54.00	-6.05	7.06	3	Vertical	278	1.01	-	40.89	31.96	4.90	29.80
PK	5.1464G	61.61	74.00	-12.39	6.58	3	Vertical	278	1.01	-	55.03	31.68	4.72	29.81
PK	5.2358G	111.64	Inf	-Inf	6.76	3	Vertical	278	1.01	-	104.88	31.78	4.79	29.81
PK	5.3576G	60.94	74.00	-13.06	7.01	3	Vertical	278	1.01	-	53.93	31.93	4.88	29.80

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

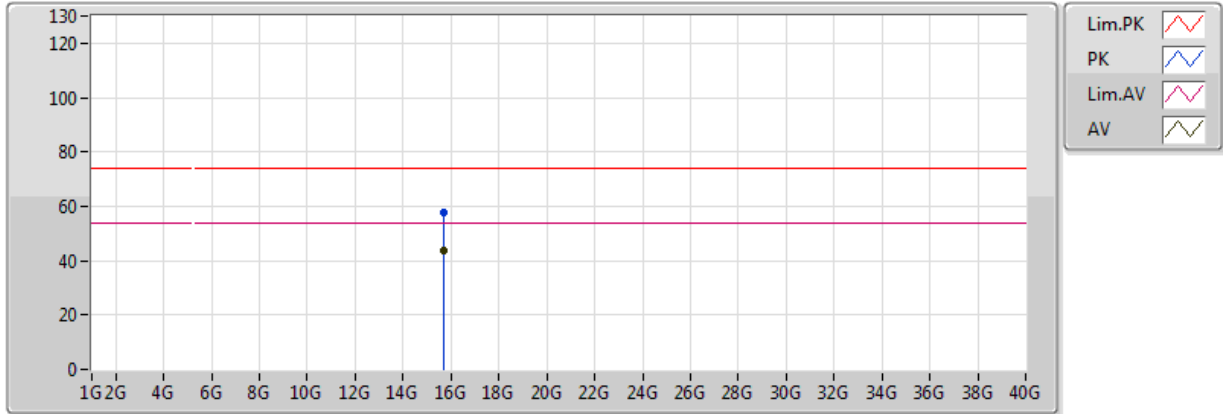


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.0954G	45.13	54.00	-8.87	6.48	3	Horizontal	350	1.54	-	38.65	31.61	4.68	29.81
AV	5.2424G	92.48	Inf	-Inf	6.77	3	Horizontal	350	1.54	-	85.70	31.79	4.79	29.81
AV	5.3846G	45.98	54.00	-8.02	7.06	3	Horizontal	350	1.54	-	38.92	31.96	4.90	29.80
PK	5.132G	57.50	74.00	-16.50	6.55	3	Horizontal	350	1.54	-	50.95	31.66	4.71	29.81
PK	5.2382G	102.90	Inf	-Inf	6.77	3	Horizontal	350	1.54	-	96.13	31.79	4.79	29.81
PK	5.3792G	58.43	74.00	-15.57	7.05	3	Horizontal	350	1.54	-	51.38	31.96	4.89	29.80

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

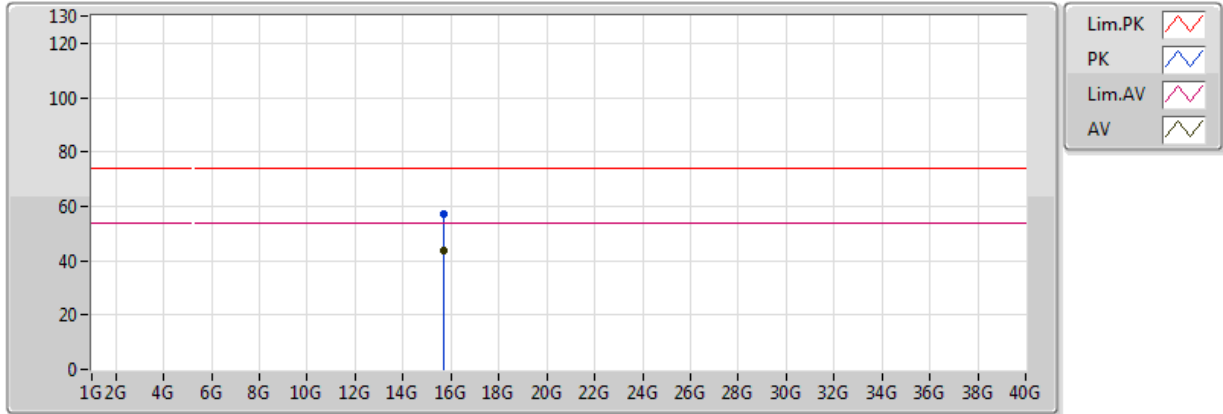


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.7086G	43.86	54.00	-10.14	15.35	3	Vertical	155	1.67	-	28.50	38.24	9.05	31.94
PK	15.70818G	57.70	74.00	-16.30	15.36	3	Vertical	155	1.67	-	42.34	38.24	9.05	31.94

802.11a_Nss1,(6Mbps)_1TX

5240MHz_TX

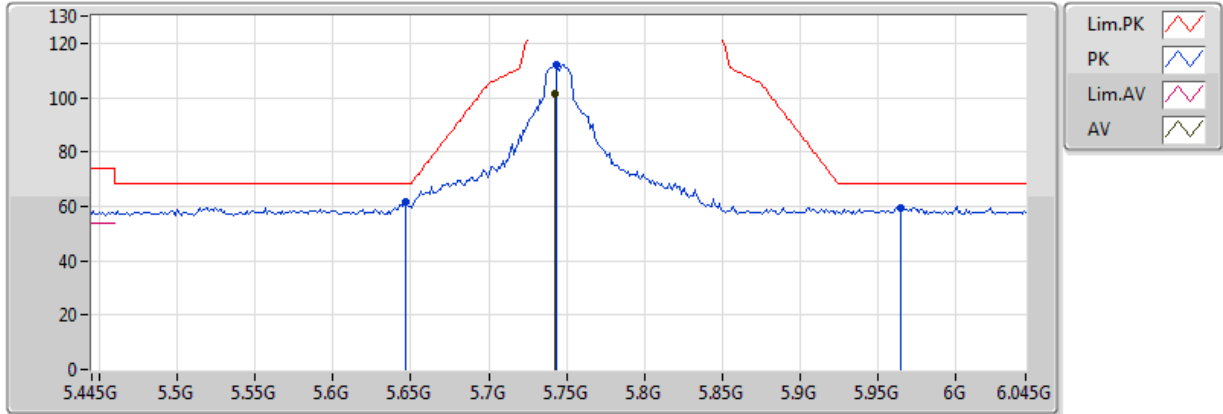


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.70764G	43.89	54.00	-10.11	15.36	3	Horizontal	144	1.87	-	28.53	38.24	9.05	31.94
PK	15.72066G	57.27	74.00	-16.73	15.31	3	Horizontal	144	1.87	-	41.96	38.19	9.06	31.94

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

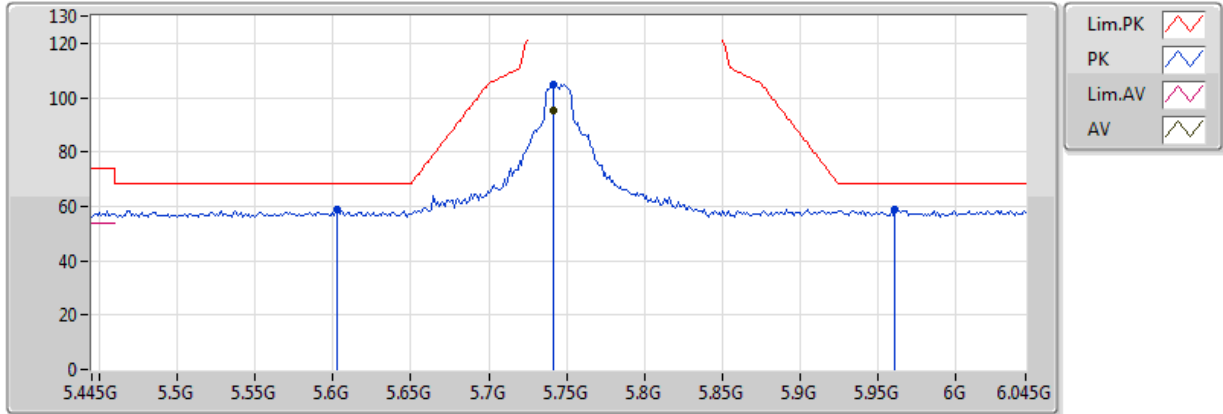


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7426G	101.64	Inf	-Inf	7.82	3	Vertical	276	1.03	-	93.82	32.39	5.30	29.87
PK	5.6466G	61.49	68.20	-6.71	7.60	3	Vertical	276	1.03	-	53.89	32.28	5.17	29.84
PK	5.7438G	112.26	Inf	-Inf	7.82	3	Vertical	276	1.03	-	104.44	32.39	5.30	29.87
PK	5.9646G	59.43	68.20	-8.77	8.31	3	Vertical	276	1.03	-	51.12	32.66	5.58	29.93

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

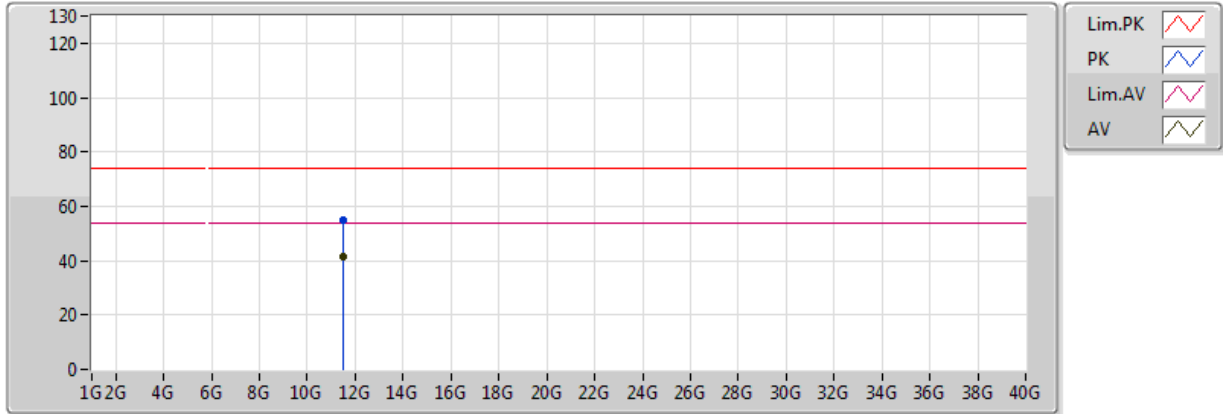


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7414G	95.01	Inf	-Inf	7.82	3	Horizontal	34	1.03	-	87.19	32.39	5.29	29.87
PK	5.6022G	58.91	68.20	-9.29	7.50	3	Horizontal	34	1.03	-	51.41	32.22	5.11	29.83
PK	5.7414G	104.77	Inf	-Inf	7.82	3	Horizontal	34	1.03	-	96.96	32.39	5.29	29.87
PK	5.961G	58.58	68.20	-9.62	8.30	3	Horizontal	34	1.03	-	50.28	32.65	5.58	29.93

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

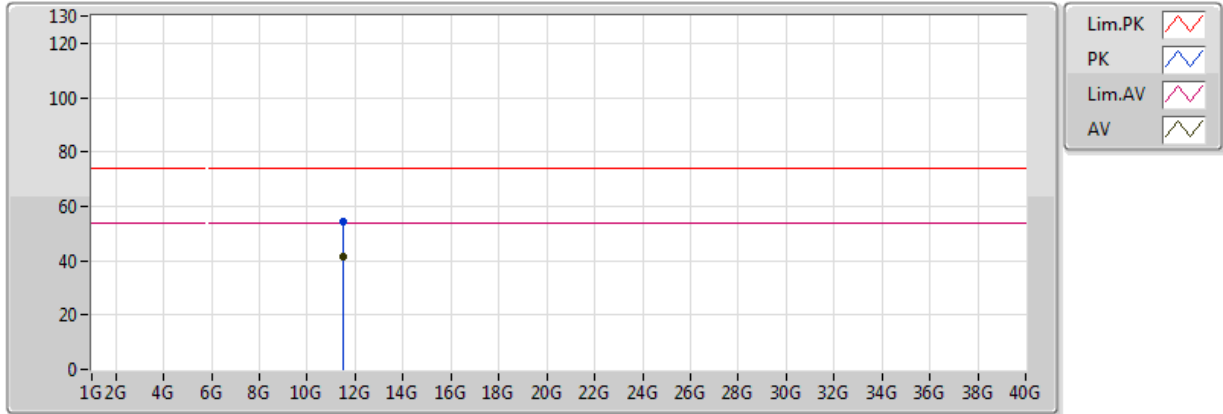


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48844G	41.52	54.00	-12.48	15.77	3	Vertical	191	1.57	-	25.75	39.41	7.47	31.11
PK	11.48904G	54.91	74.00	-19.09	15.77	3	Vertical	191	1.57	-	39.14	39.41	7.47	31.11

802.11a_Nss1,(6Mbps)_1TX

5745MHz_TX

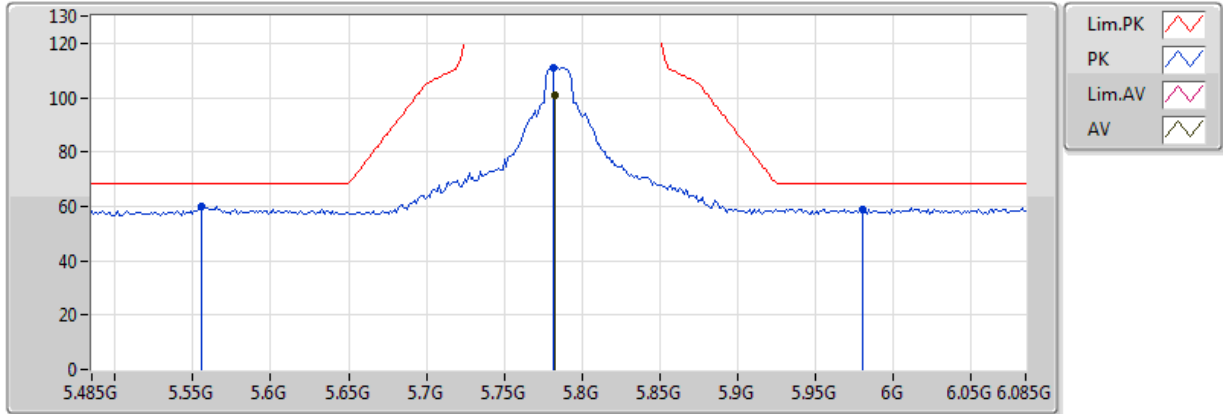


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48286G	41.23	54.00	-12.77	15.78	3	Horizontal	152	2.24	-	25.45	39.42	7.47	31.11
PK	11.47662G	54.63	74.00	-19.37	15.78	3	Horizontal	152	2.24	-	38.85	39.43	7.47	31.11

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

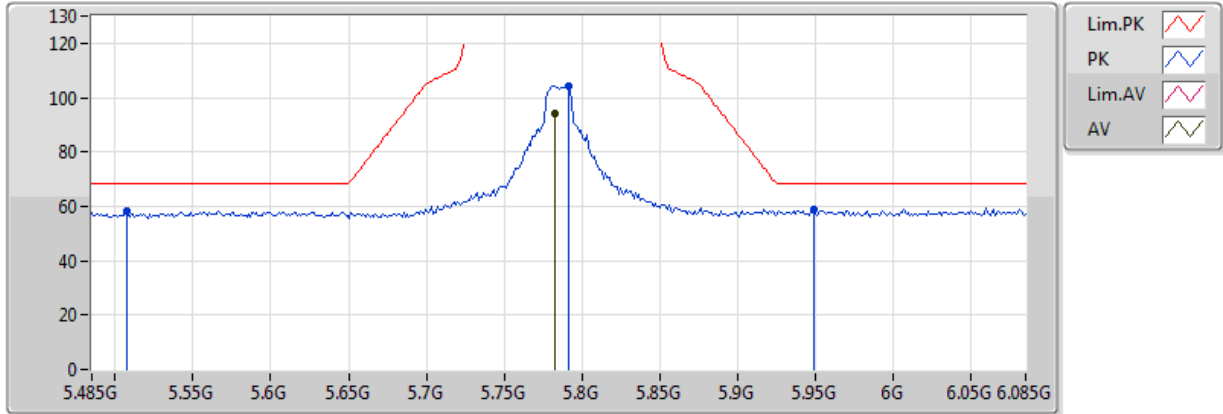


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7826G	101.11	Inf	-Inf	7.91	3	Vertical	276	1.04	-	93.20	32.44	5.35	29.88
PK	5.5558G	60.07	68.20	-8.13	7.40	3	Vertical	276	1.04	-	52.66	32.17	5.05	29.82
PK	5.7814G	111.22	Inf	-Inf	7.91	3	Vertical	276	1.04	-	103.31	32.44	5.35	29.88
PK	5.9806G	59.03	68.20	-9.17	8.35	3	Vertical	276	1.04	-	50.69	32.68	5.60	29.93

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

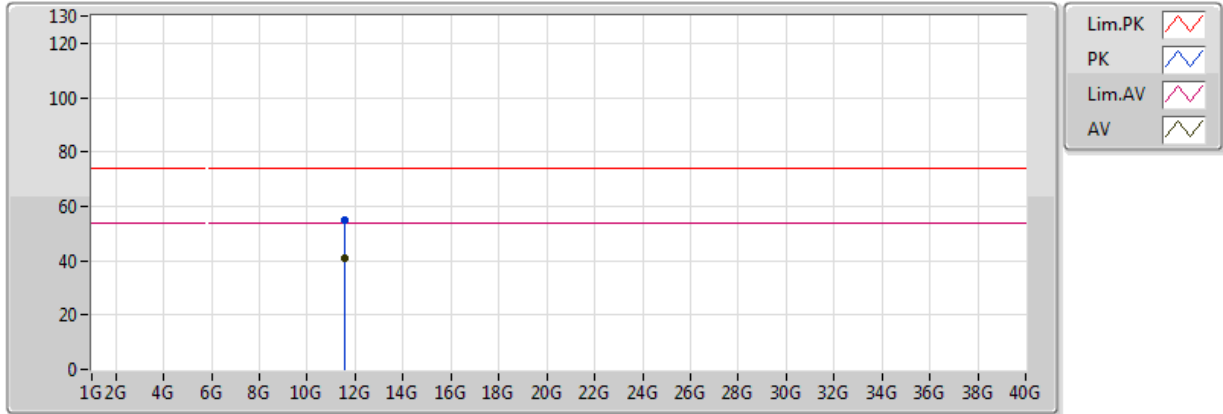


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7826G	94.41	Inf	-Inf	7.91	3	Horizontal	30	1.01	-	86.50	32.44	5.35	29.88
PK	5.5078G	58.29	68.20	-9.91	7.30	3	Horizontal	30	1.01	-	50.99	32.11	4.99	29.80
PK	5.791G	104.15	Inf	-Inf	7.93	3	Horizontal	30	1.01	-	96.23	32.45	5.36	29.88
PK	5.9494G	58.67	68.20	-9.53	8.28	3	Horizontal	30	1.01	-	50.39	32.64	5.56	29.92

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

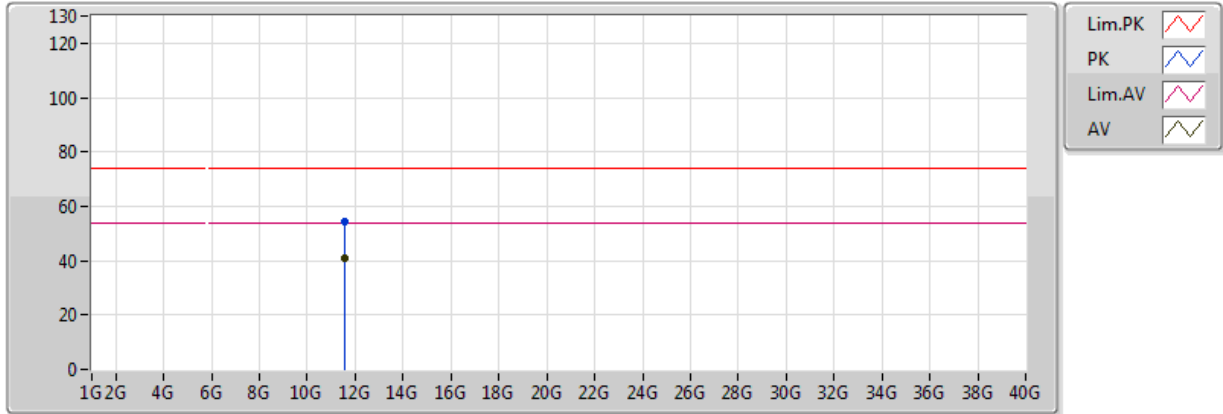


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.56922G	40.85	54.00	-13.15	15.71	3	Vertical	210	1.65	-	25.14	39.32	7.50	31.10
PK	11.57108G	54.81	74.00	-19.19	15.71	3	Vertical	210	1.65	-	39.10	39.31	7.50	31.10

802.11a_Nss1,(6Mbps)_1TX

5785MHz_TX

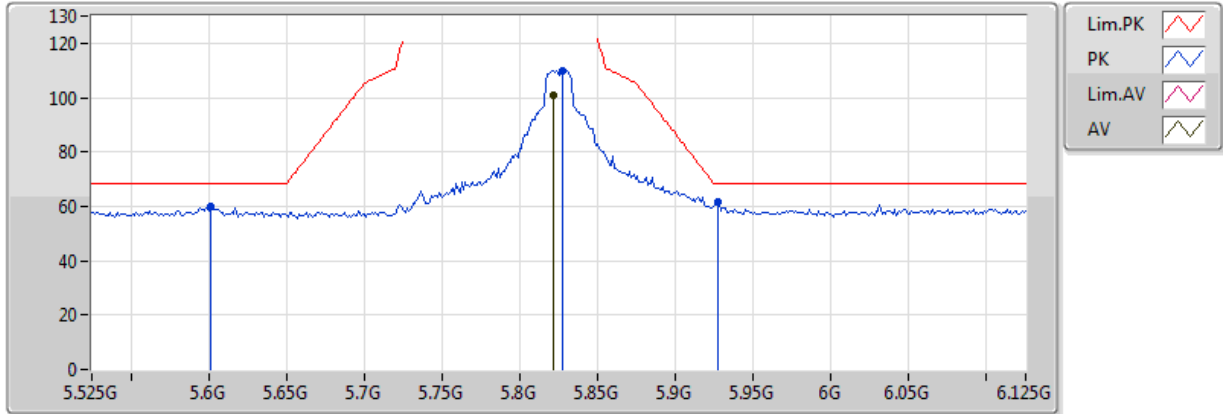


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57546G	40.68	54.00	-13.32	15.71	3	Horizontal	137	1.87	-	24.97	39.31	7.50	31.10
PK	11.57132G	54.34	74.00	-19.66	15.71	3	Horizontal	137	1.87	-	38.63	39.31	7.50	31.10

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

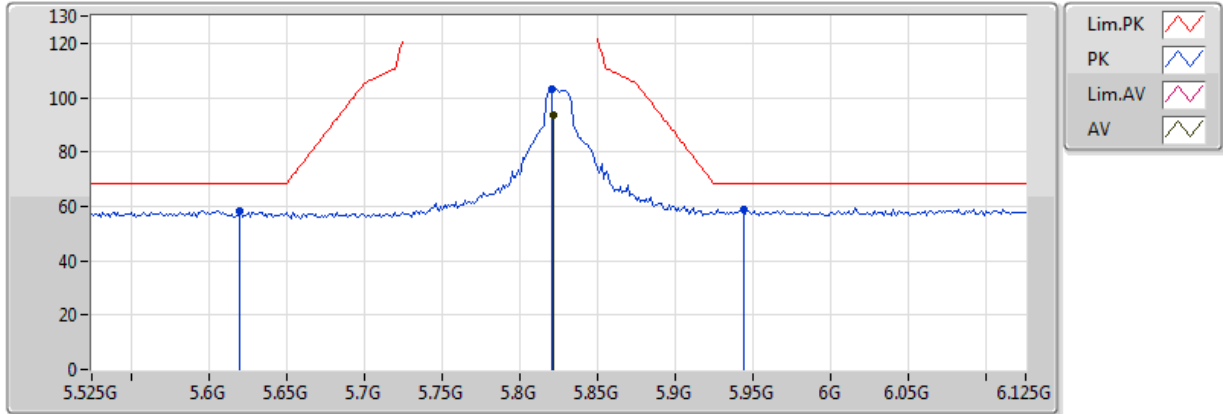


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8214G	100.60	Inf	-Inf	8.00	3	Vertical	269	1.04	-	92.60	32.49	5.40	29.89
PK	5.6018G	59.91	68.20	-8.29	7.50	3	Vertical	269	1.04	-	52.40	32.22	5.11	29.83
PK	5.8274G	110.05	Inf	-Inf	8.01	3	Vertical	269	1.04	-	102.04	32.49	5.41	29.89
PK	5.927G	61.64	68.20	-6.56	8.23	3	Vertical	269	1.04	-	53.41	32.61	5.54	29.92

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

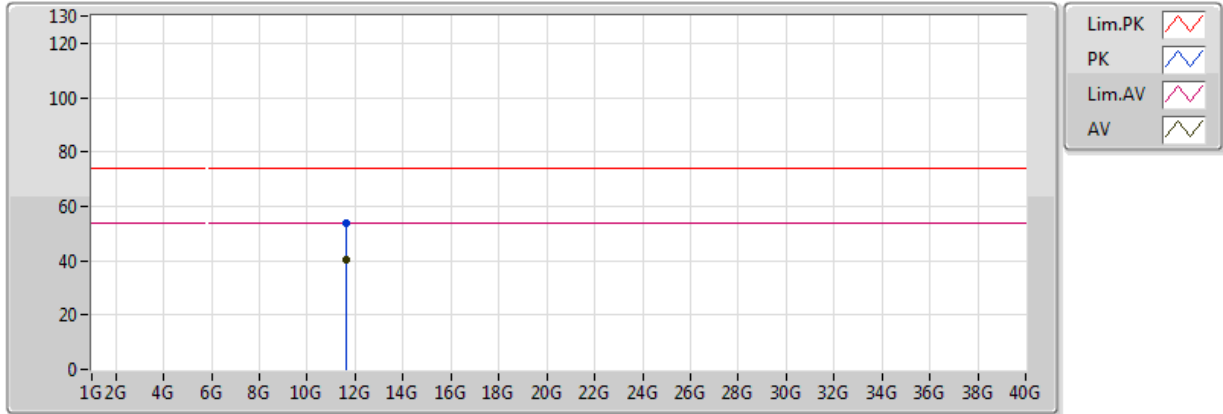


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8214G	93.49	Inf	-Inf	8.00	3	Horizontal	38	1.18	-	85.49	32.49	5.40	29.89
PK	5.6198G	58.35	68.20	-9.85	7.54	3	Horizontal	38	1.18	-	50.81	32.24	5.14	29.84
PK	5.8202G	103.38	Inf	-Inf	7.99	3	Horizontal	38	1.18	-	95.39	32.48	5.40	29.89
PK	5.9438G	59.09	68.20	-9.11	8.27	3	Horizontal	38	1.18	-	50.82	32.63	5.56	29.92

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

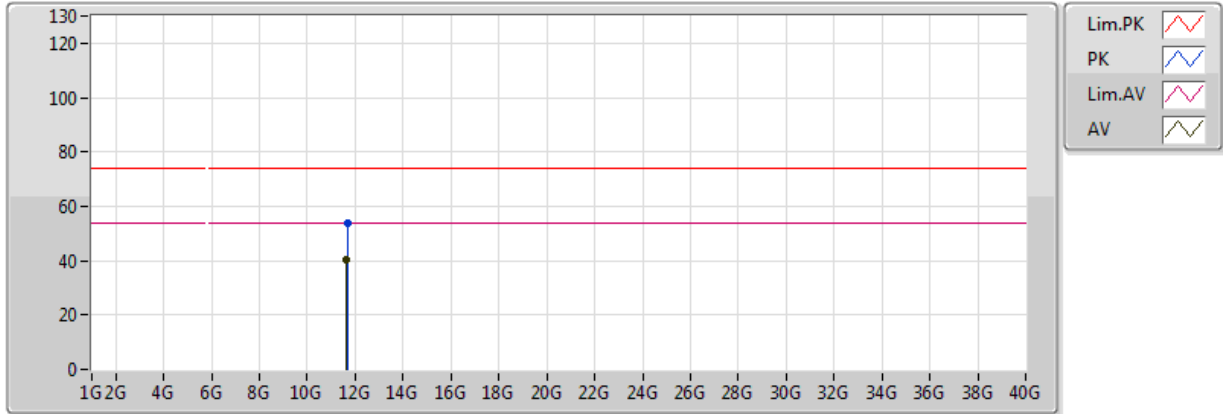


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.6452G	40.45	54.00	-13.55	15.66	3	Vertical	343	2.44	-	24.80	39.23	7.52	31.09
PK	11.6554G	53.68	74.00	-20.32	15.65	3	Vertical	343	2.44	-	38.03	39.21	7.53	31.09

802.11a_Nss1,(6Mbps)_1TX

5825MHz_TX

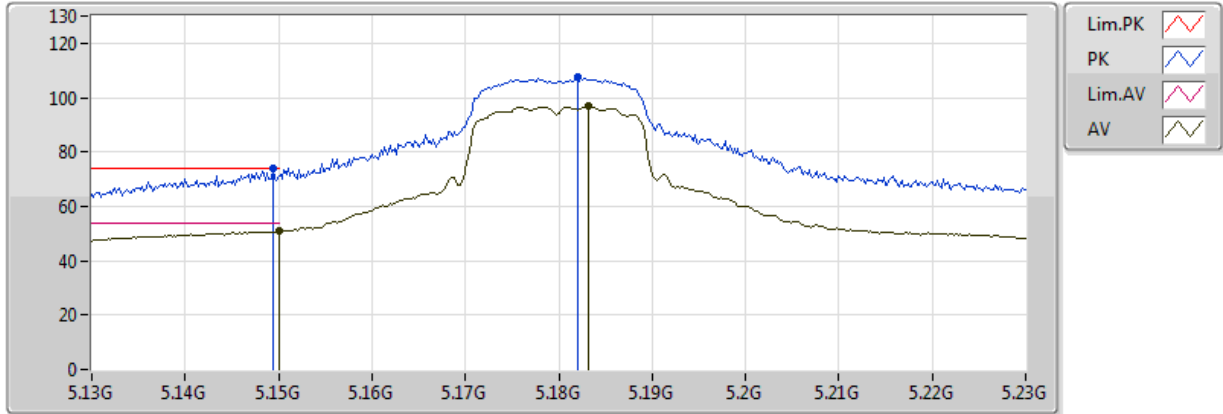


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.63926G	40.42	54.00	-13.58	15.66	3	Horizontal	53	1.92	-	24.76	39.23	7.52	31.09
PK	11.66128G	53.69	74.00	-20.31	15.64	3	Horizontal	53	1.92	-	38.04	39.21	7.53	31.09

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

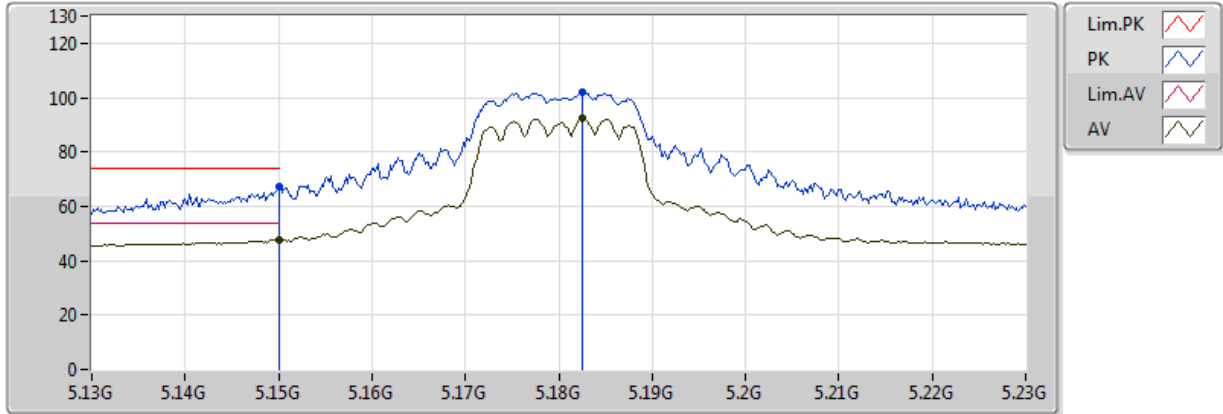


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	51.08	54.00	-2.92	6.59	3	Vertical	40	1.21	-	44.49	31.68	4.72	29.81
AV	5.1832G	96.88	Inf	-Inf	6.66	3	Vertical	40	1.21	-	90.22	31.72	4.75	29.81
PK	5.1494G	73.90	74.00	-0.10	6.59	3	Vertical	40	1.21	-	67.31	31.68	4.72	29.81
PK	5.182G	107.45	Inf	-Inf	6.65	3	Vertical	40	1.21	-	100.79	31.72	4.75	29.81

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

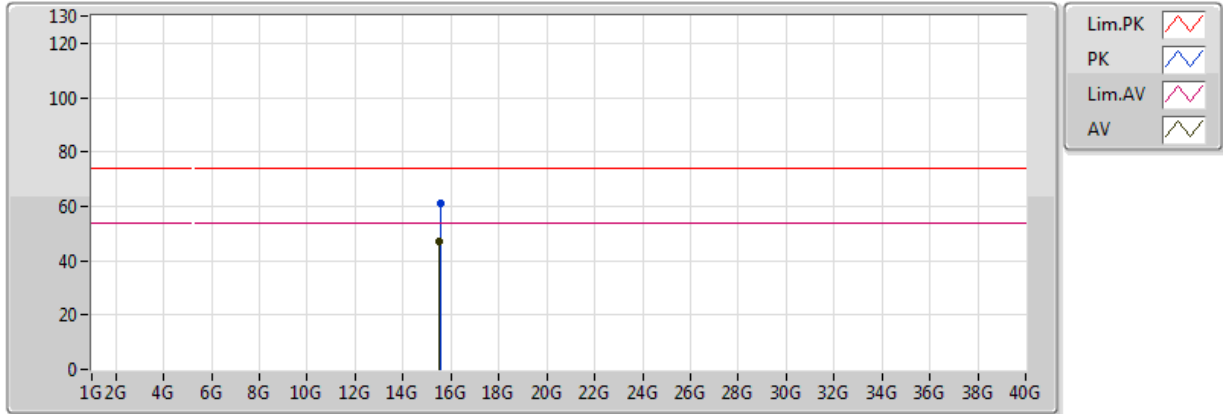


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	47.78	54.00	-6.22	6.59	3	Horizontal	158	1.31	-	41.19	31.68	4.72	29.81
AV	5.1826G	92.31	Inf	-Inf	6.66	3	Horizontal	158	1.31	-	85.65	31.72	4.75	29.81
PK	5.149995G	67.01	74.00	-6.99	6.59	3	Horizontal	158	1.31	-	60.42	31.68	4.72	29.81
PK	5.1826G	102.07	Inf	-Inf	6.66	3	Horizontal	158	1.31	-	95.41	31.72	4.75	29.81

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

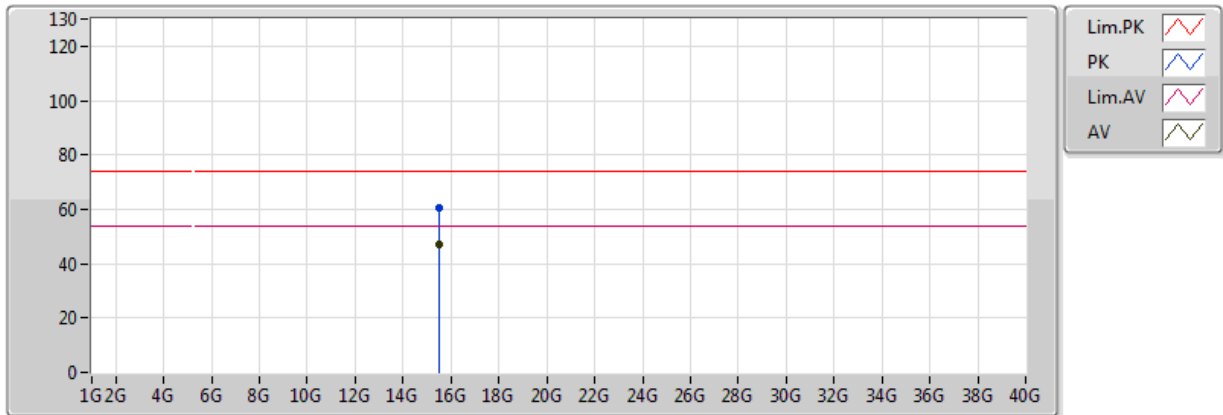


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.52818G	47.07	54.00	-6.93	15.97	3	Vertical	30	2.20	-	31.10	38.94	8.92	31.89
PK	15.53814G	61.18	74.00	-12.82	15.93	3	Vertical	30	2.20	-	45.24	38.90	8.93	31.89

802.11n HT20_Nss1,(MCS0)_2TX

5180MHz_TX

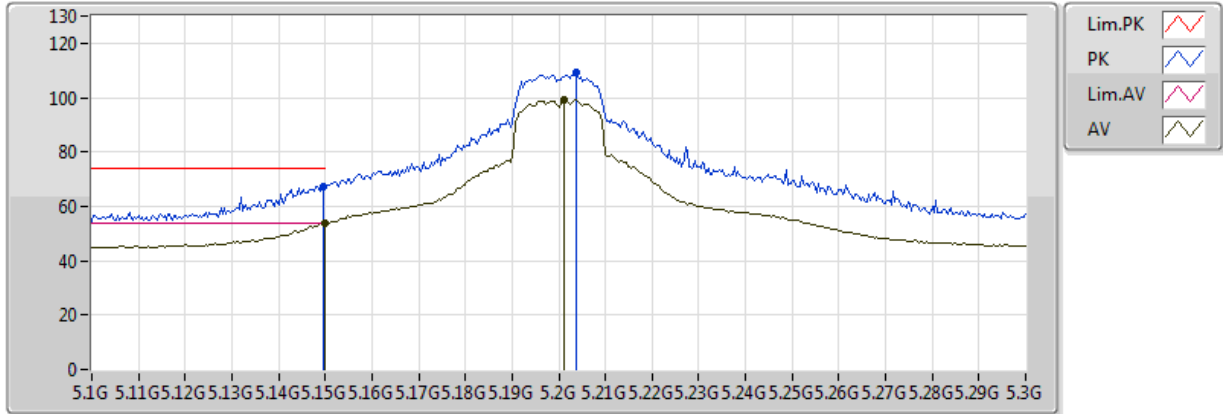


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.52512G	47.11	54.00	-6.89	15.98	3	Horizontal	197	2.06	-	31.13	38.95	8.92	31.89
PK	15.5265G	60.26	74.00	-13.74	15.97	3	Horizontal	197	2.06	-	44.29	38.95	8.92	31.89

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

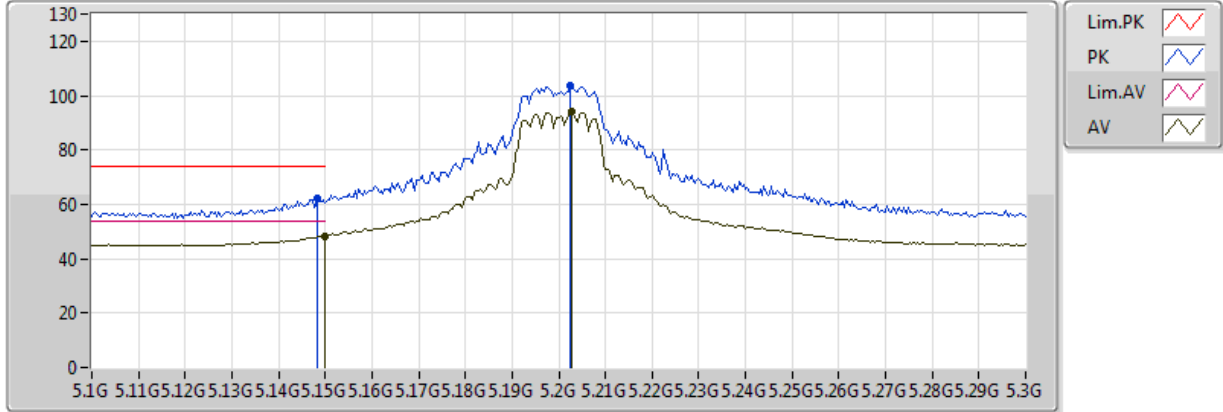


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.78	54.00	-0.22	6.59	3	Vertical	43	1.11	-	47.19	31.68	4.72	29.81
AV	5.2012G	99.06	Inf	-Inf	6.69	3	Vertical	43	1.11	-	92.37	31.74	4.76	29.81
PK	5.1496G	67.41	74.00	-6.59	6.59	3	Vertical	43	1.11	-	60.82	31.68	4.72	29.81
PK	5.2036G	108.99	Inf	-Inf	6.70	3	Vertical	43	1.11	-	102.29	31.74	4.76	29.81

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

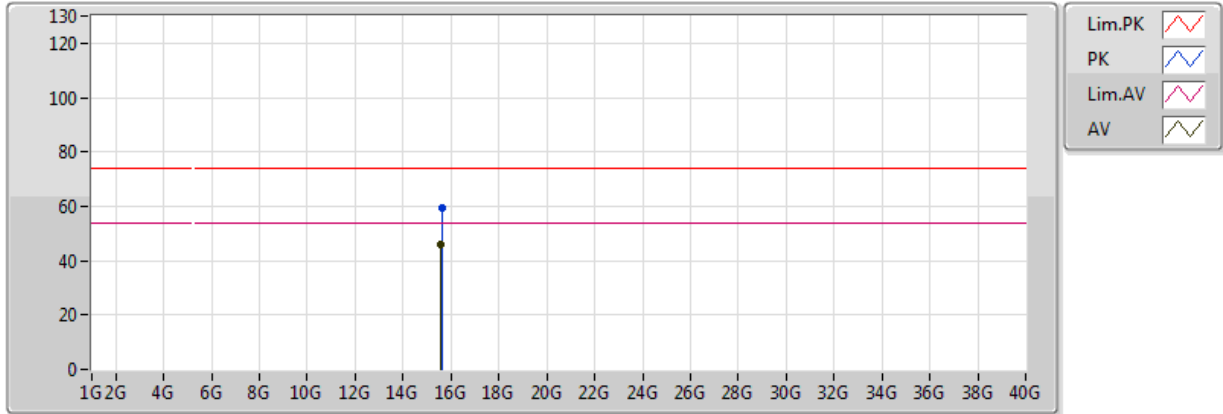


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	48.32	54.00	-5.68	6.59	3	Horizontal	158	1.21	-	41.73	31.68	4.72	29.81
AV	5.2028G	94.20	Inf	-Inf	6.70	3	Horizontal	158	1.21	-	87.51	31.74	4.76	29.81
PK	5.1484G	61.96	74.00	-12.04	6.59	3	Horizontal	158	1.21	-	55.37	31.68	4.72	29.81
PK	5.2024G	103.58	Inf	-Inf	6.69	3	Horizontal	158	1.21	-	96.89	31.74	4.76	29.81

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

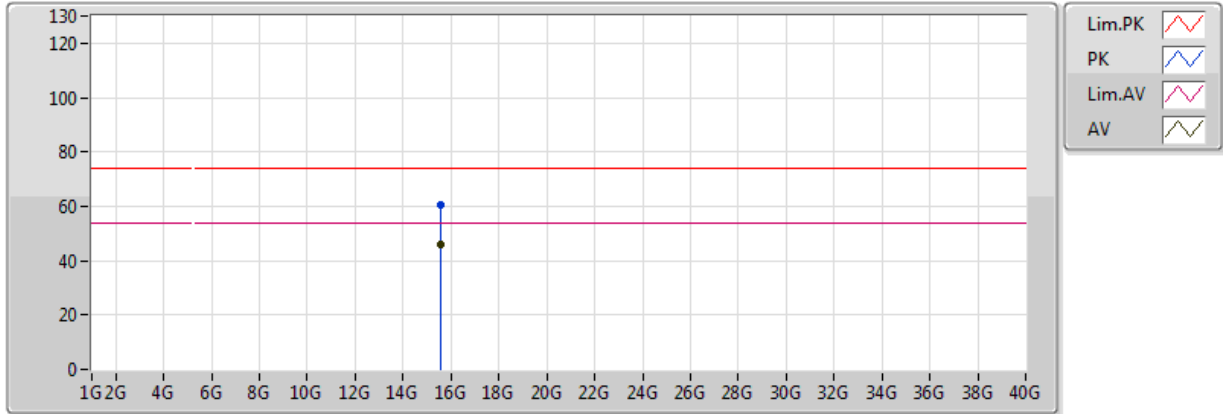


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.58506G	45.98	54.00	-8.02	15.77	3	Vertical	146	2.38	-	30.20	38.72	8.96	31.91
PK	15.60288G	59.37	74.00	-14.63	15.71	3	Vertical	146	2.38	-	43.65	38.65	8.98	31.91

802.11n HT20_Nss1,(MCS0)_2TX

5200MHz_TX

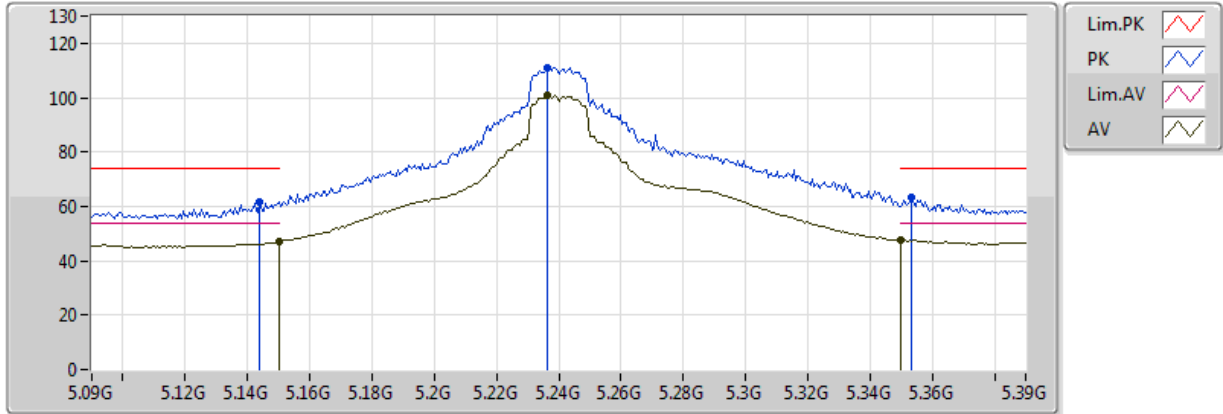


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.5865G	45.83	54.00	-8.17	15.77	3	Horizontal	145	2.43	-	30.06	38.71	8.96	31.91
PK	15.58848G	60.34	74.00	-13.66	15.76	3	Horizontal	145	2.43	-	44.57	38.70	8.97	31.91

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

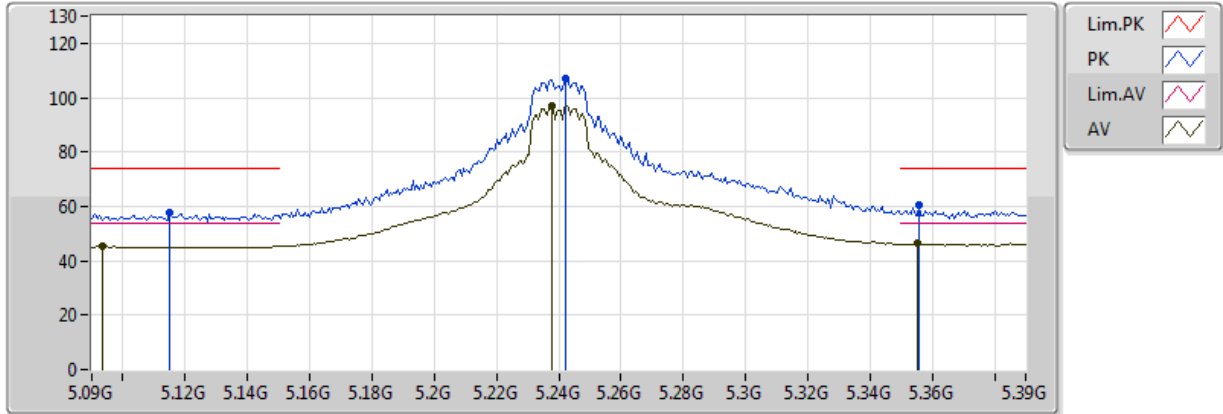


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	47.06	54.00	-6.94	6.59	3	Vertical	47	1.00	-	40.47	31.68	4.72	29.81
AV	5.2364G	101.03	Inf	-Inf	6.76	3	Vertical	47	1.00	-	94.27	31.78	4.79	29.81
AV	5.350005G	47.57	54.00	-6.43	6.99	3	Vertical	47	1.00	-	40.58	31.92	4.87	29.80
PK	5.144G	61.90	74.00	-12.10	6.58	3	Vertical	47	1.00	-	55.32	31.67	4.72	29.81
PK	5.2364G	111.19	Inf	-Inf	6.76	3	Vertical	47	1.00	-	104.42	31.78	4.79	29.81
PK	5.3534G	63.18	74.00	-10.82	7.00	3	Vertical	47	1.00	-	56.18	31.92	4.87	29.80

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

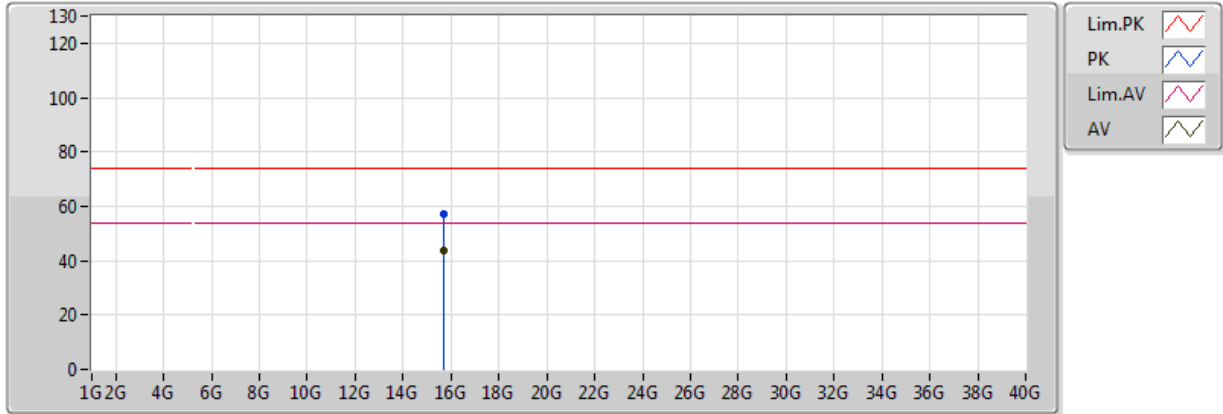


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.0936G	45.40	54.00	-8.60	6.48	3	Horizontal	158	1.27	-	38.93	31.61	4.68	29.81
AV	5.2376G	96.75	Inf	-Inf	6.77	3	Horizontal	158	1.27	-	89.98	31.79	4.79	29.81
AV	5.3552G	46.28	54.00	-7.72	7.00	3	Horizontal	158	1.27	-	39.27	31.93	4.87	29.80
PK	5.1152G	57.76	74.00	-16.24	6.52	3	Horizontal	158	1.27	-	51.24	31.64	4.69	29.81
PK	5.2424G	107.01	Inf	-Inf	6.77	3	Horizontal	158	1.27	-	100.23	31.79	4.79	29.81
PK	5.3558G	60.33	74.00	-13.67	7.00	3	Horizontal	158	1.27	-	53.33	31.93	4.87	29.80

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

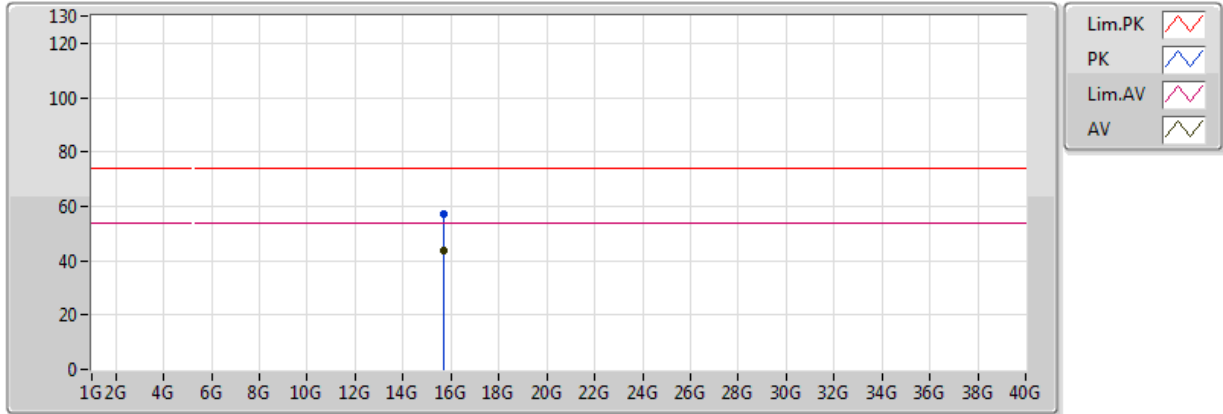


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.70788G	43.88	54.00	-10.12	15.36	3	Vertical	184	1.20	-	28.52	38.24	9.05	31.94
PK	15.71028G	57.30	74.00	-16.70	15.35	3	Vertical	184	1.20	-	41.95	38.23	9.06	31.94

802.11n HT20_Nss1,(MCS0)_2TX

5240MHz_TX

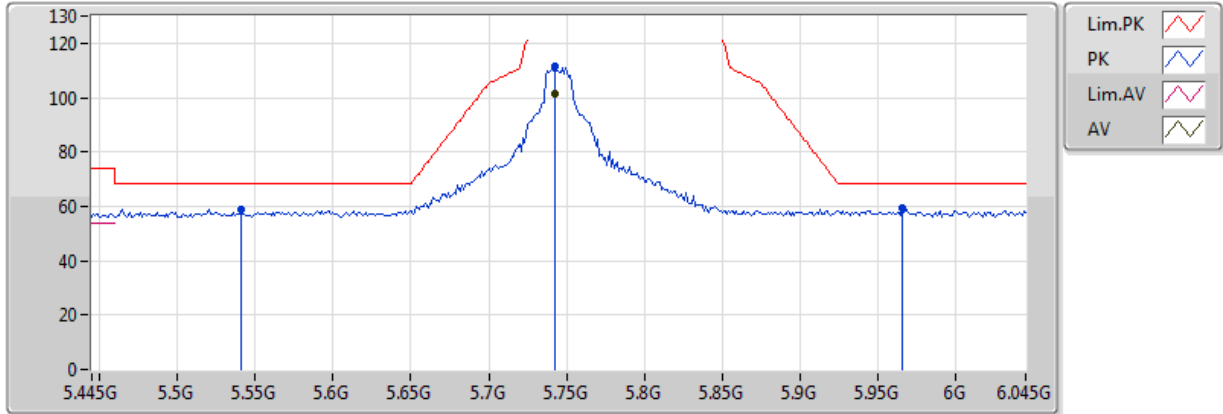


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.70782G	43.84	54.00	-10.16	15.36	3	Horizontal	255	1.94	-	28.48	38.24	9.05	31.94
PK	15.7155G	56.92	74.00	-17.08	15.33	3	Horizontal	255	1.94	-	41.59	38.21	9.06	31.94

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

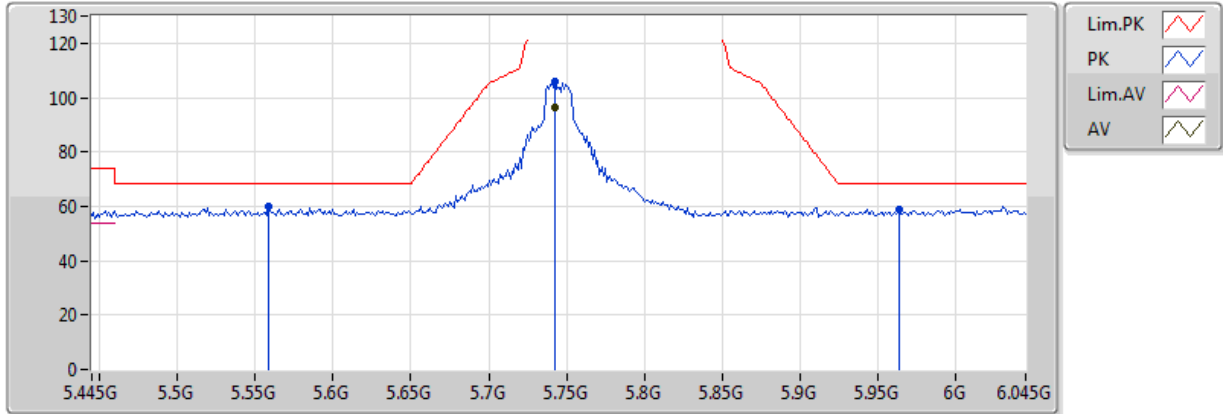


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7426G	101.56	Inf	-Inf	7.82	3	Vertical	21	1.02	-	93.74	32.39	5.30	29.87
PK	5.541G	59.06	68.20	-9.14	7.37	3	Vertical	21	1.02	-	51.69	32.15	5.03	29.81
PK	5.7426G	111.27	Inf	-Inf	7.82	3	Vertical	21	1.02	-	103.45	32.39	5.30	29.87
PK	5.9658G	59.58	68.20	-8.62	8.31	3	Vertical	21	1.02	-	51.26	32.66	5.59	29.93

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

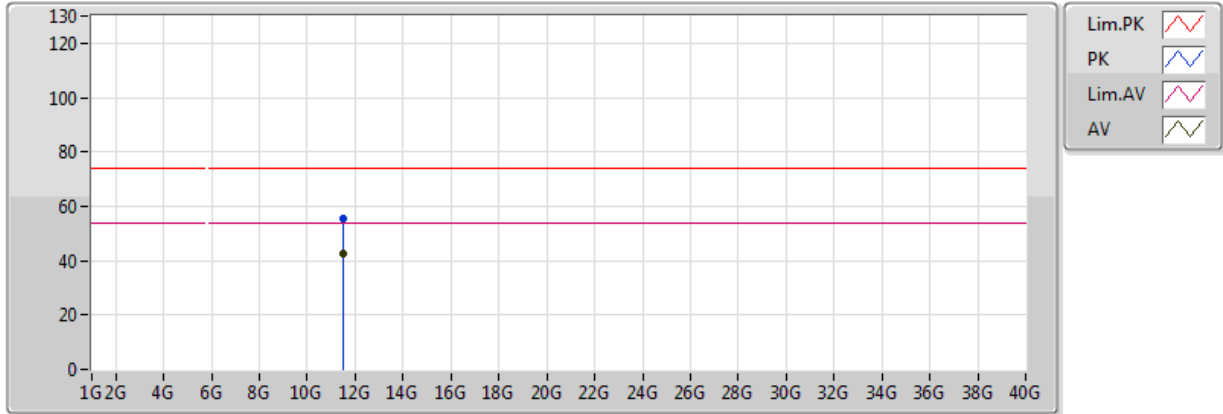


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7426G	96.46	Inf	-Inf	7.82	3	Horizontal	157	1.56	-	88.64	32.39	5.30	29.87
PK	5.559G	59.68	68.20	-8.52	7.41	3	Horizontal	157	1.56	-	52.27	32.17	5.06	29.82
PK	5.7426G	105.64	Inf	-Inf	7.82	3	Horizontal	157	1.56	-	97.82	32.39	5.30	29.87
PK	5.9634G	58.77	68.20	-9.43	8.31	3	Horizontal	157	1.56	-	50.46	32.66	5.58	29.93

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

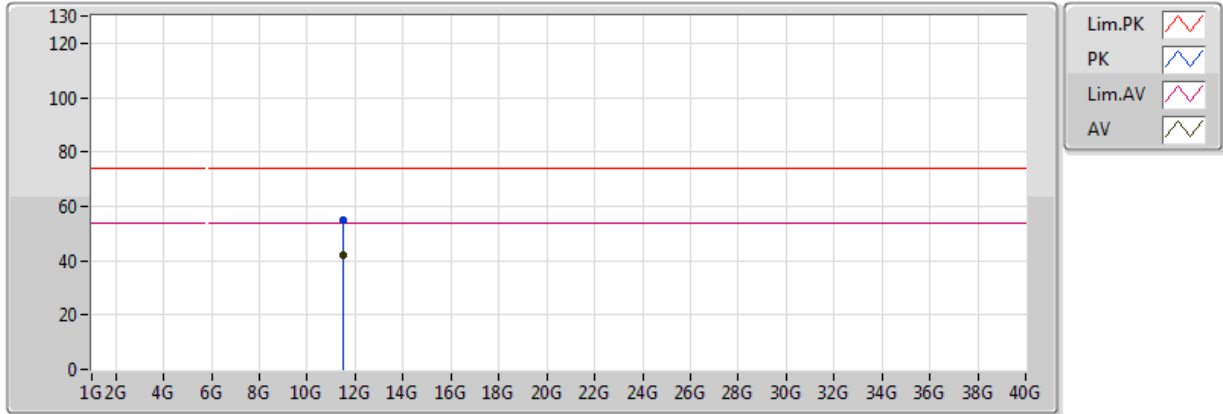


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48766G	42.45	54.00	-11.55	15.77	3	Vertical	96	1.60	-	26.67	39.41	7.47	31.11
PK	11.493G	55.34	74.00	-18.66	15.77	3	Vertical	96	1.60	-	39.57	39.41	7.47	31.11

802.11n HT20_Nss1,(MCS0)_2TX

5745MHz_TX

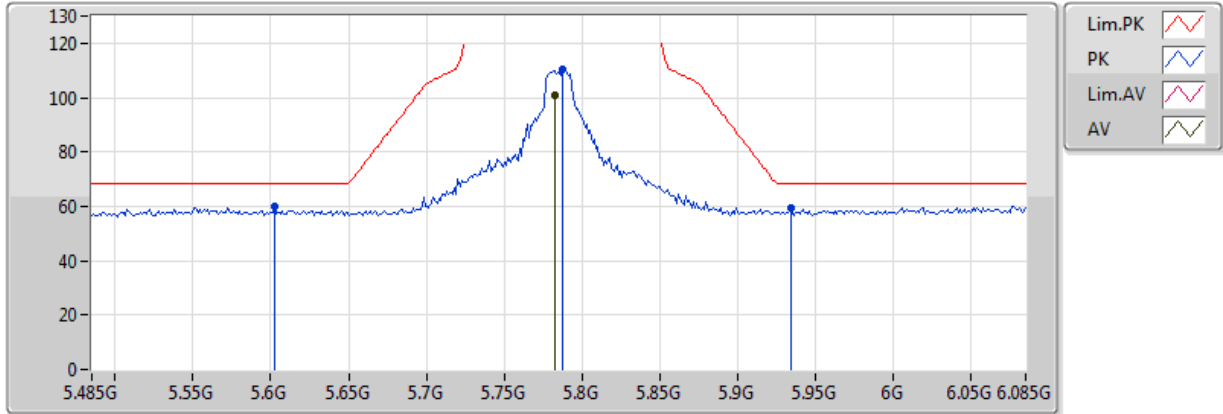


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.49048G	42.12	54.00	-11.88	15.77	3	Horizontal	42	1.06	-	26.35	39.41	7.47	31.11
PK	11.4807G	55.13	74.00	-18.87	15.78	3	Horizontal	42	1.06	-	39.35	39.42	7.47	31.11

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

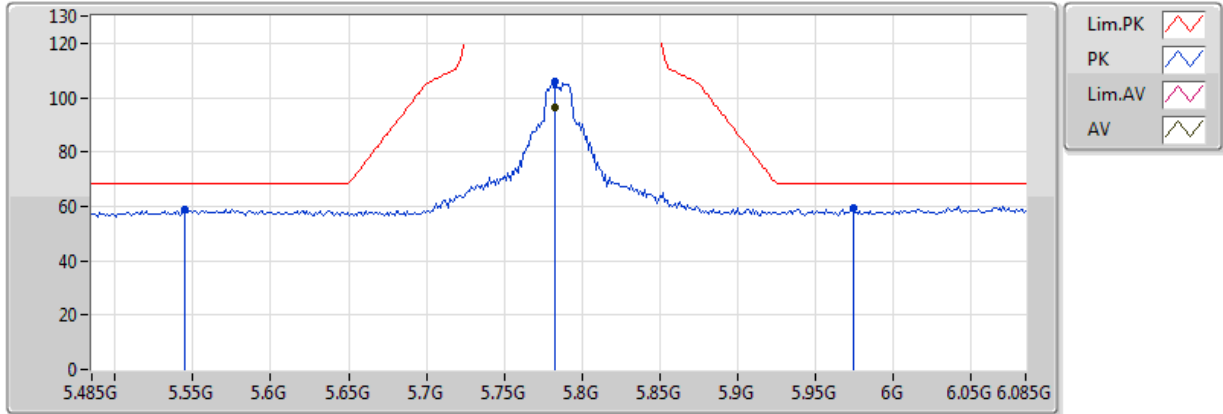


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7826G	101.04	Inf	-Inf	7.91	3	Vertical	19	1.06	-	93.13	32.44	5.35	29.88
PK	5.6026G	59.98	68.20	-8.22	7.51	3	Vertical	19	1.06	-	52.47	32.22	5.11	29.83
PK	5.7874G	110.45	Inf	-Inf	7.92	3	Vertical	19	1.06	-	102.53	32.44	5.35	29.88
PK	5.9338G	59.17	68.20	-9.03	8.24	3	Vertical	19	1.06	-	50.93	32.62	5.54	29.92

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

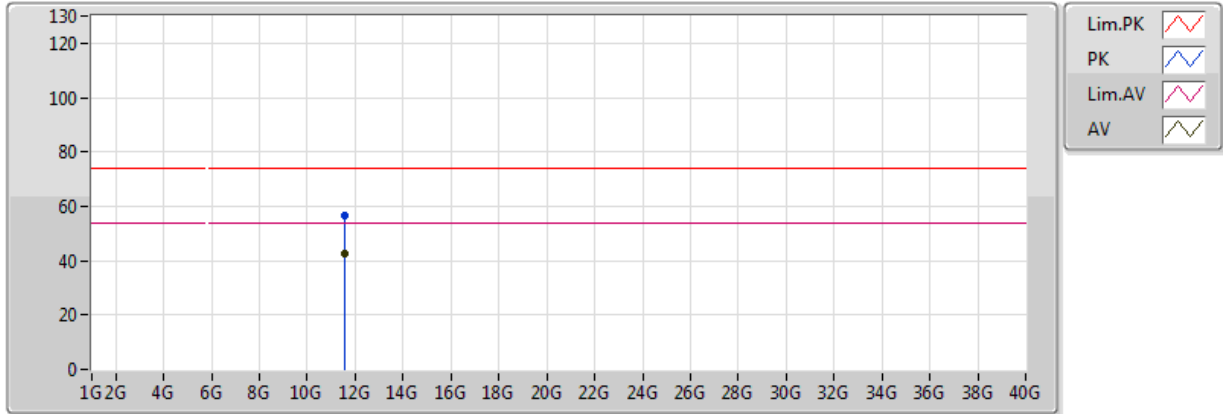


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7826G	96.27	Inf	-Inf	7.91	3	Horizontal	174	1.91	-	88.36	32.44	5.35	29.88
PK	5.545G	59.05	68.20	-9.15	7.38	3	Horizontal	174	1.91	-	51.67	32.15	5.04	29.81
PK	5.7826G	106.05	Inf	-Inf	7.91	3	Horizontal	174	1.91	-	98.14	32.44	5.35	29.88
PK	5.9746G	59.33	68.20	-8.87	8.33	3	Horizontal	174	1.91	-	51.00	32.67	5.60	29.93

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

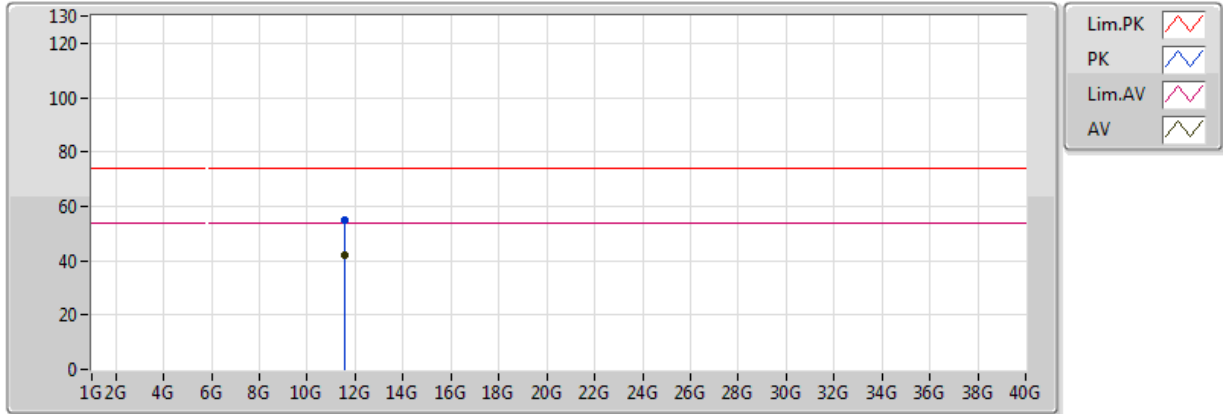


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57042G	42.85	54.00	-11.15	15.71	3	Vertical	89	2.01	-	27.14	39.32	7.50	31.10
PK	11.56514G	56.59	74.00	-17.41	15.72	3	Vertical	89	2.01	-	40.87	39.32	7.50	31.10

802.11n HT20_Nss1,(MCS0)_2TX

5785MHz_TX

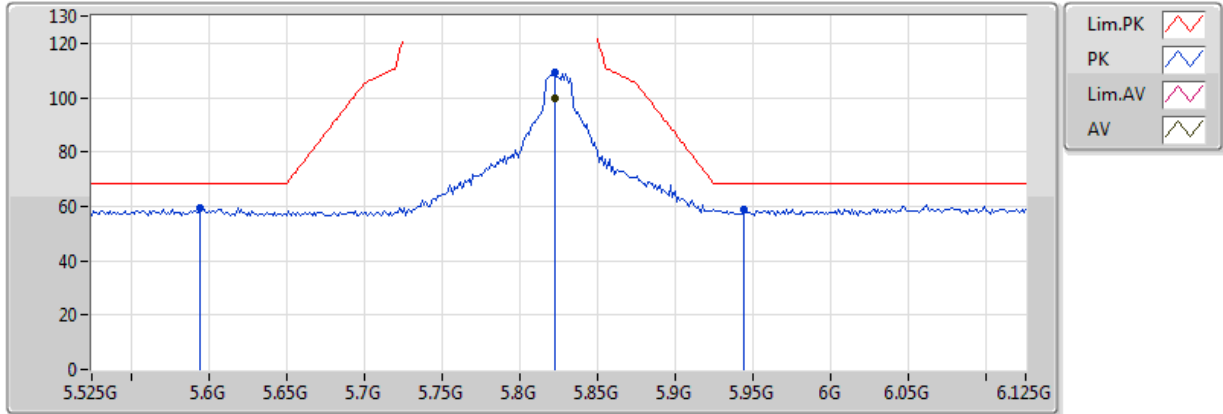


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.57234G	41.92	54.00	-12.08	15.71	3	Horizontal	97	1.27	-	26.21	39.31	7.50	31.10
PK	11.56922G	55.07	74.00	-18.93	15.71	3	Horizontal	97	1.27	-	39.36	39.32	7.50	31.10

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

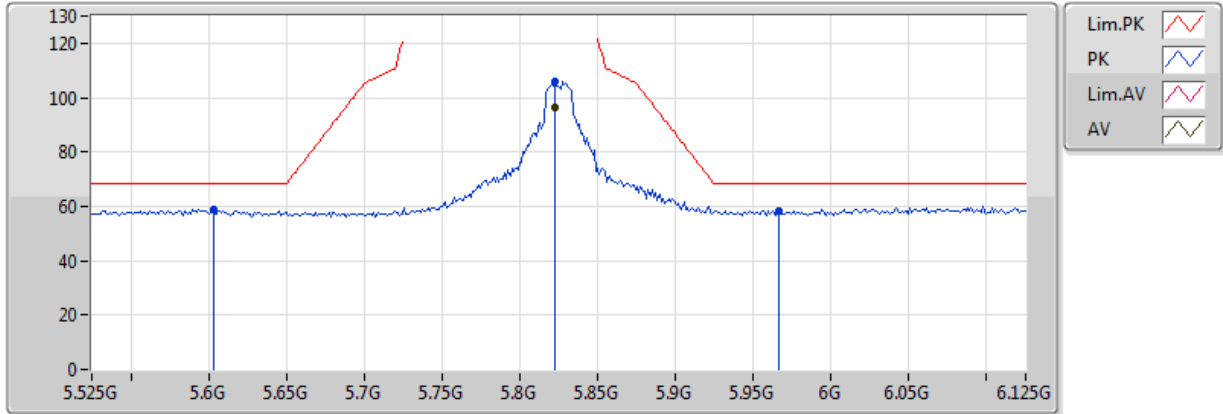


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8226G	99.58	Inf	-Inf	8.00	3	Vertical	21	1.04	-	91.58	32.49	5.40	29.89
PK	5.5946G	59.53	68.20	-8.67	7.49	3	Vertical	21	1.04	-	52.04	32.21	5.10	29.83
PK	5.8226G	109.52	Inf	-Inf	8.00	3	Vertical	21	1.04	-	101.52	32.49	5.40	29.89
PK	5.9438G	58.91	68.20	-9.29	8.27	3	Vertical	21	1.04	-	50.64	32.63	5.56	29.92

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

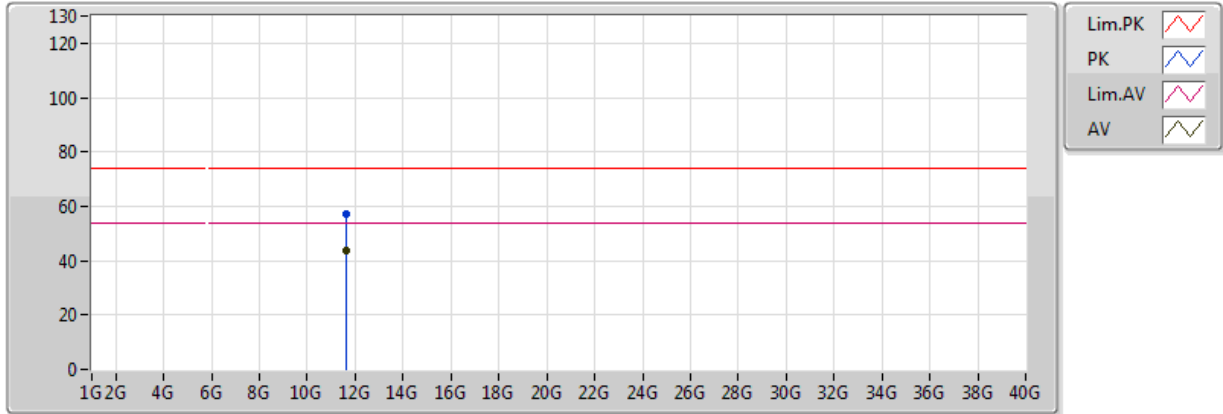


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8226G	96.17	Inf	-Inf	8.00	3	Horizontal	174	1.69	-	88.17	32.49	5.40	29.89
PK	5.603G	59.11	68.20	-9.09	7.51	3	Horizontal	174	1.69	-	51.60	32.22	5.11	29.83
PK	5.8226G	106.09	Inf	-Inf	8.00	3	Horizontal	174	1.69	-	98.09	32.49	5.40	29.89
PK	5.9666G	58.22	68.20	-9.98	8.32	3	Horizontal	174	1.69	-	49.90	32.66	5.59	29.93

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

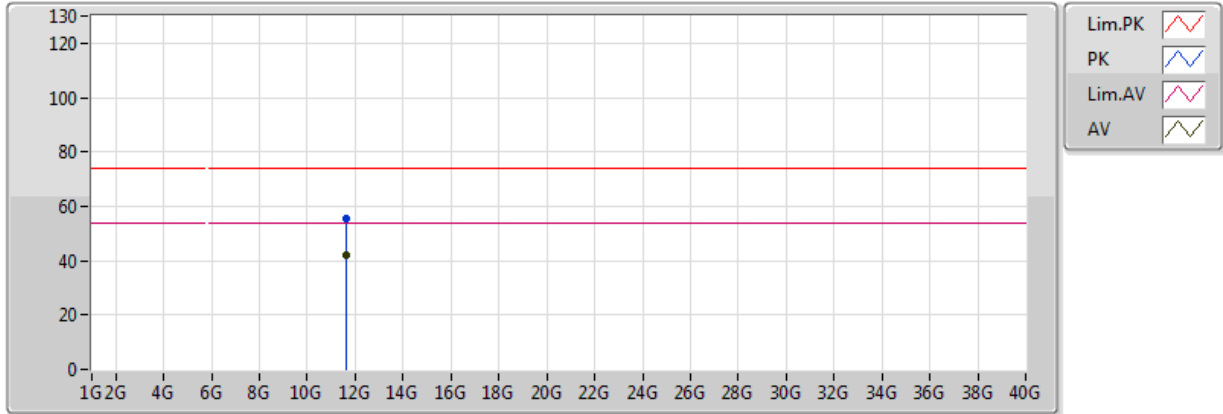


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65054G	43.79	54.00	-10.21	15.65	3	Vertical	57	1.81	-	28.14	39.22	7.52	31.09
PK	11.64508G	57.17	74.00	-16.83	15.66	3	Vertical	57	1.81	-	41.52	39.23	7.52	31.09

802.11n HT20_Nss1,(MCS0)_2TX

5825MHz_TX

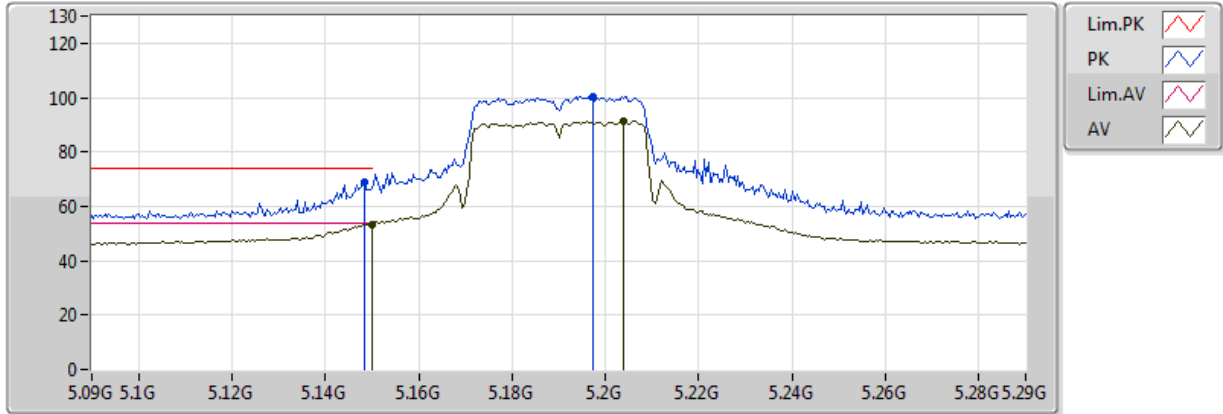


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.65006G	41.88	54.00	-12.12	15.65	3	Horizontal	320	1.97	-	26.22	39.22	7.52	31.09
PK	11.6497G	55.32	74.00	-18.68	15.65	3	Horizontal	320	1.97	-	39.67	39.22	7.52	31.09

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

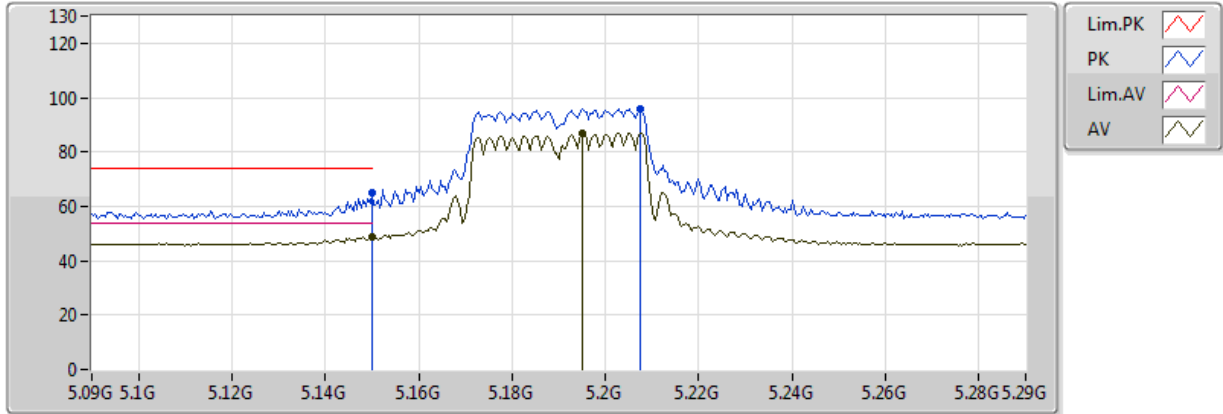


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	53.45	54.00	-0.55	6.59	3	Vertical	43	1.04	-	46.86	31.68	4.72	29.81
AV	5.204G	91.57	Inf	-Inf	6.70	3	Vertical	43	1.04	-	84.88	31.74	4.76	29.81
PK	5.1484G	68.69	74.00	-5.31	6.59	3	Vertical	43	1.04	-	62.10	31.68	4.72	29.81
PK	5.1972G	100.50	Inf	-Inf	6.68	3	Vertical	43	1.04	-	93.82	31.74	4.76	29.81

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

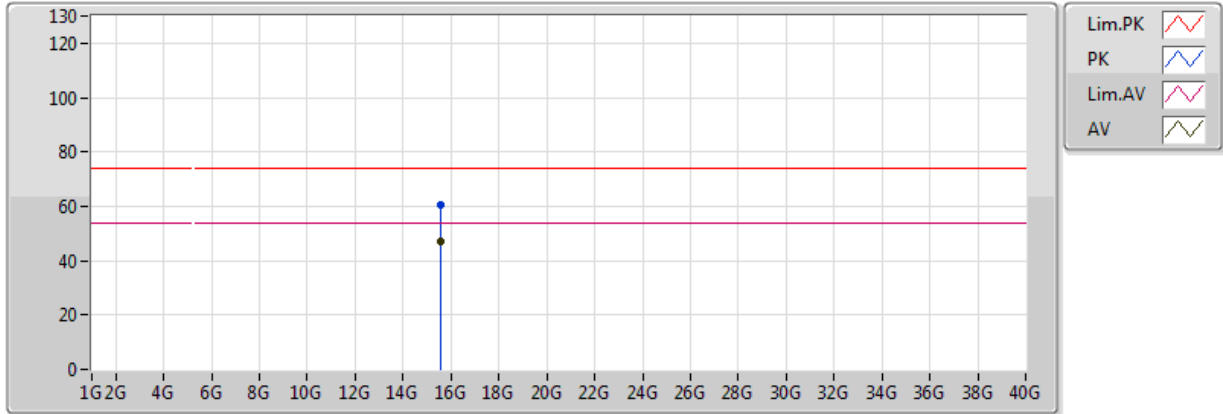


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.149995G	48.78	54.00	-5.22	6.59	3	Horizontal	158	1.08	-	42.19	31.68	4.72	29.81
AV	5.1952G	86.88	Inf	-Inf	6.68	3	Horizontal	158	1.08	-	80.20	31.73	4.76	29.81
PK	5.149995G	65.02	74.00	-8.98	6.59	3	Horizontal	158	1.08	-	58.43	31.68	4.72	29.81
PK	5.2076G	95.87	Inf	-Inf	6.71	3	Horizontal	158	1.08	-	89.17	31.75	4.77	29.81

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

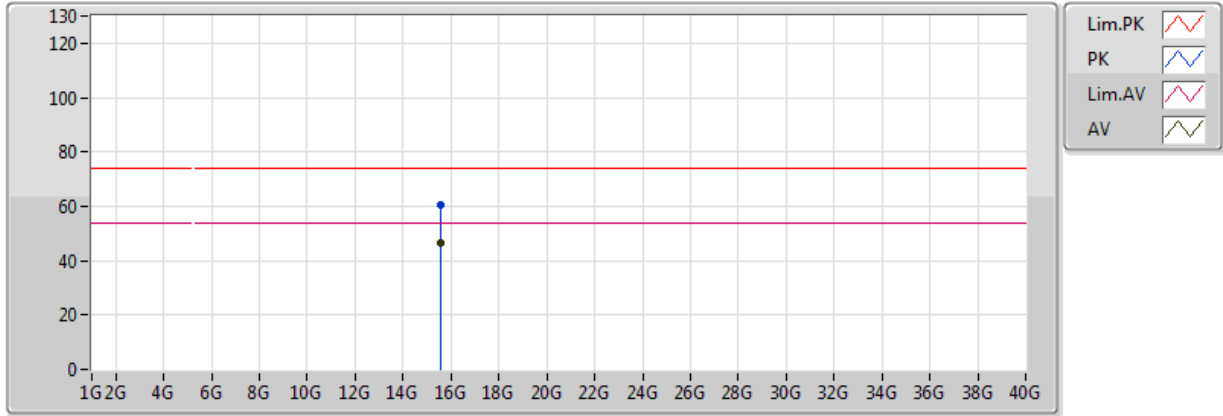


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.5451G	46.79	54.00	-7.21	15.91	3	Vertical	170	1.30	-	30.88	38.87	8.93	31.90
PK	15.5496G	60.50	74.00	-13.50	15.90	3	Vertical	170	1.30	-	44.60	38.86	8.94	31.90

802.11n HT40_Nss1,(MCS0)_2TX

5190MHz_TX

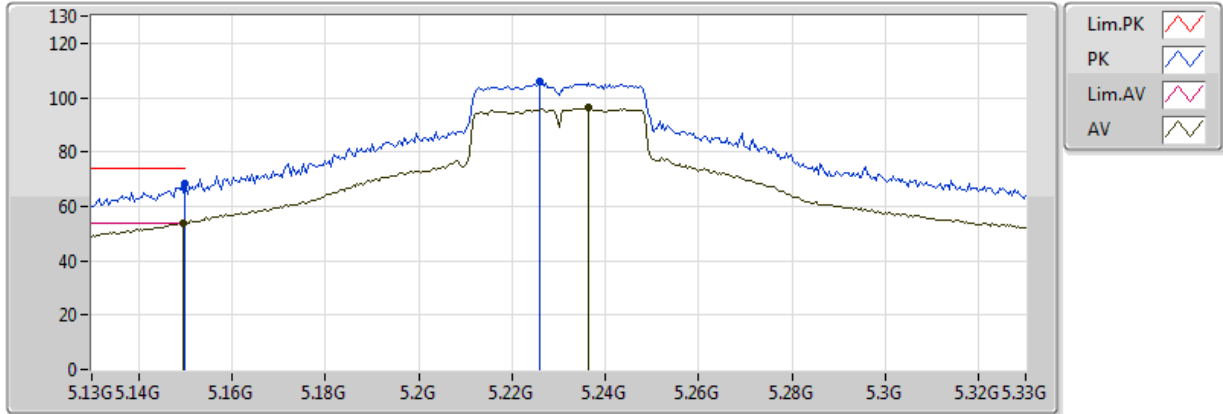


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.5455G	46.66	54.00	-7.34	15.91	3	Horizontal	123	2.38	-	30.75	38.87	8.93	31.90
PK	15.5497G	60.27	74.00	-13.73	15.90	3	Horizontal	123	2.38	-	44.38	38.86	8.94	31.90

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

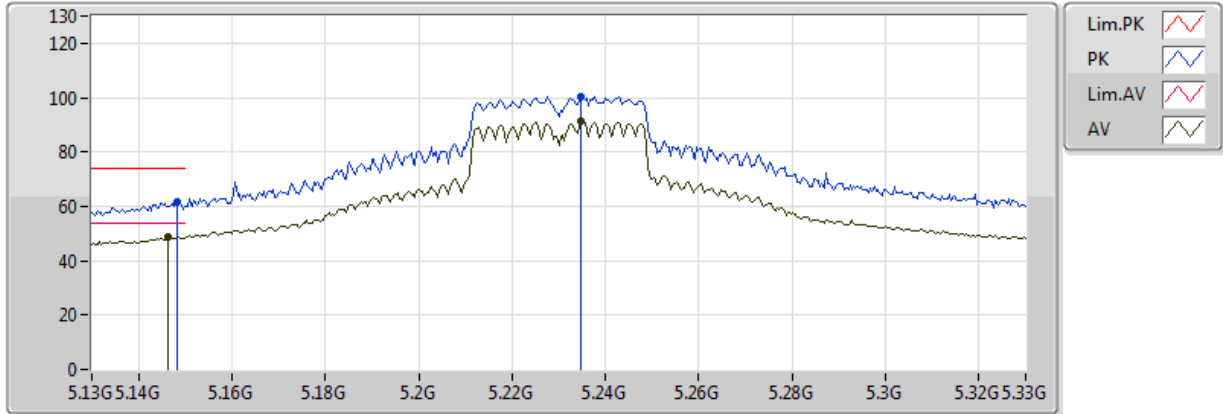


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	53.80	54.00	-0.20	6.59	3	Vertical	40	1.01	-	47.21	31.68	4.72	29.81
AV	5.2364G	96.20	Inf	-Inf	6.76	3	Vertical	40	1.01	-	89.44	31.78	4.79	29.81
PK	5.149995G	68.40	74.00	-5.60	6.59	3	Vertical	40	1.01	-	61.81	31.68	4.72	29.81
PK	5.226G	105.66	Inf	-Inf	6.74	3	Vertical	40	1.01	-	98.91	31.77	4.78	29.81

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

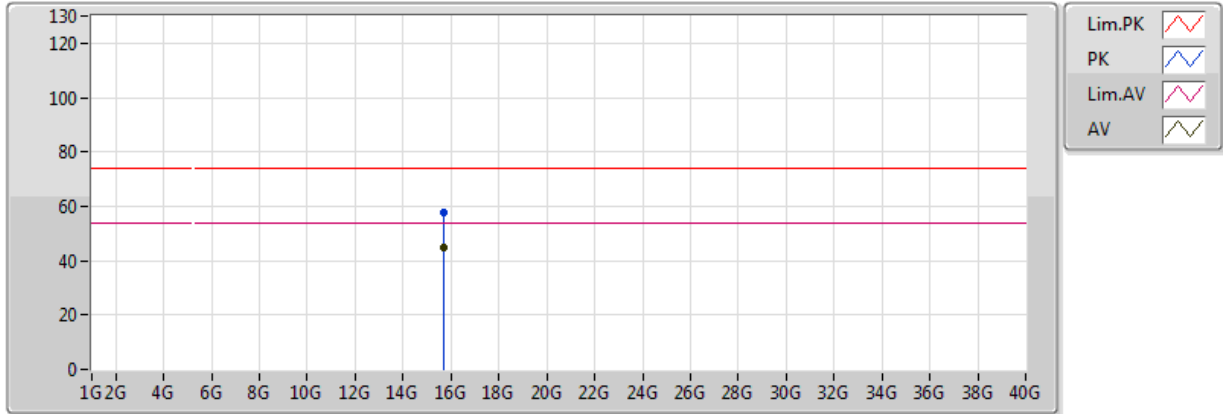


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1464G	48.82	54.00	-5.18	6.58	3	Horizontal	159	1.49	-	42.24	31.68	4.72	29.81
AV	5.2348G	91.26	Inf	-Inf	6.76	3	Horizontal	159	1.49	-	84.50	31.78	4.78	29.81
PK	5.1484G	61.91	74.00	-12.09	6.59	3	Horizontal	159	1.49	-	55.32	31.68	4.72	29.81
PK	5.2348G	100.53	Inf	-Inf	6.76	3	Horizontal	159	1.49	-	93.77	31.78	4.78	29.81

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

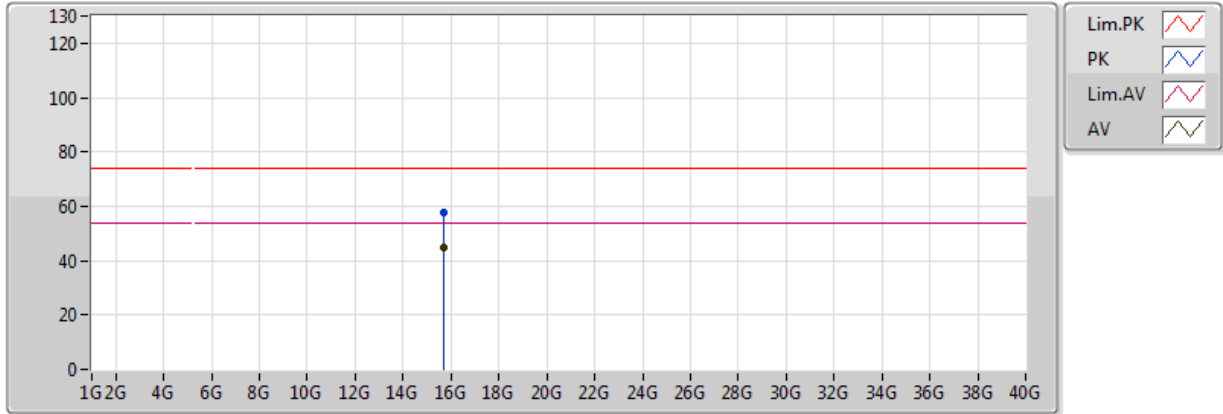


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.6651G	44.62	54.00	-9.38	15.50	3	Vertical	171	2.18	-	29.11	38.41	9.02	31.93
PK	15.6863G	57.53	74.00	-16.47	15.43	3	Vertical	171	2.18	-	42.10	38.32	9.04	31.93

802.11n HT40_Nss1,(MCS0)_2TX

5230MHz_TX

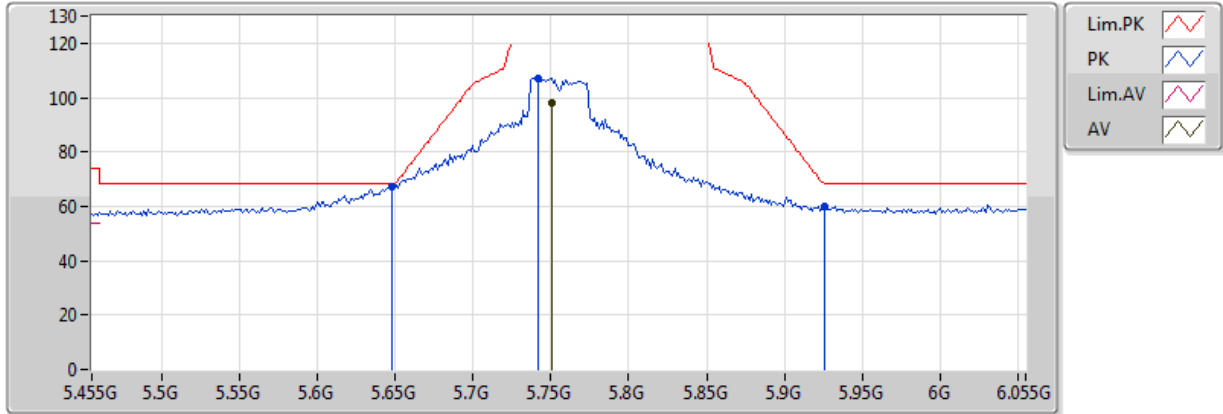


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	15.6659G	44.69	54.00	-9.31	15.50	3	Horizontal	288	1.89	-	29.19	38.40	9.02	31.93
PK	15.6685G	57.47	74.00	-16.53	15.49	3	Horizontal	288	1.89	-	41.98	38.39	9.02	31.93

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

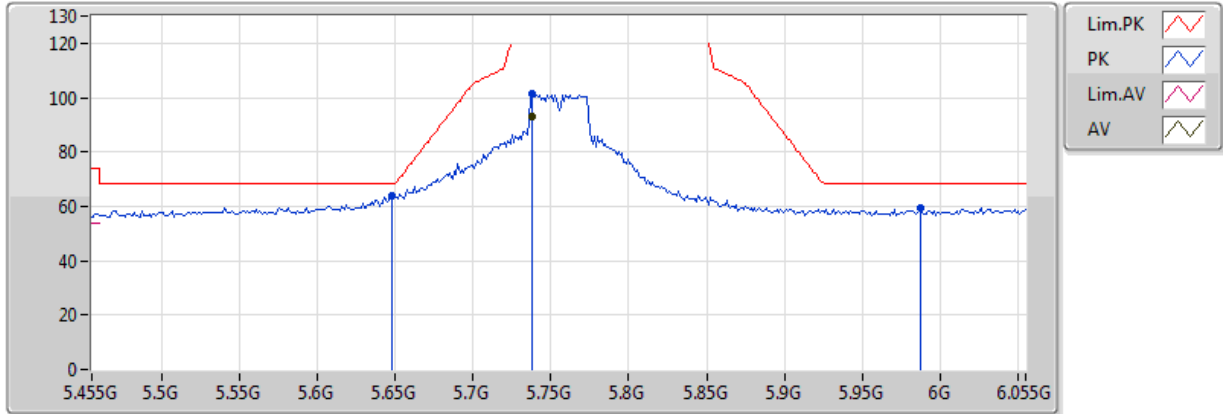


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7502G	97.86	Inf	-Inf	7.84	3	Vertical	25	1.03	-	90.02	32.40	5.31	29.87
PK	5.6482G	67.52	68.20	-0.68	7.61	3	Vertical	25	1.03	-	59.92	32.28	5.17	29.84
PK	5.7418G	107.15	Inf	-Inf	7.82	3	Vertical	25	1.03	-	99.34	32.39	5.29	29.87
PK	5.9254G	60.03	68.20	-8.17	8.23	3	Vertical	25	1.03	-	51.81	32.61	5.53	29.92

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

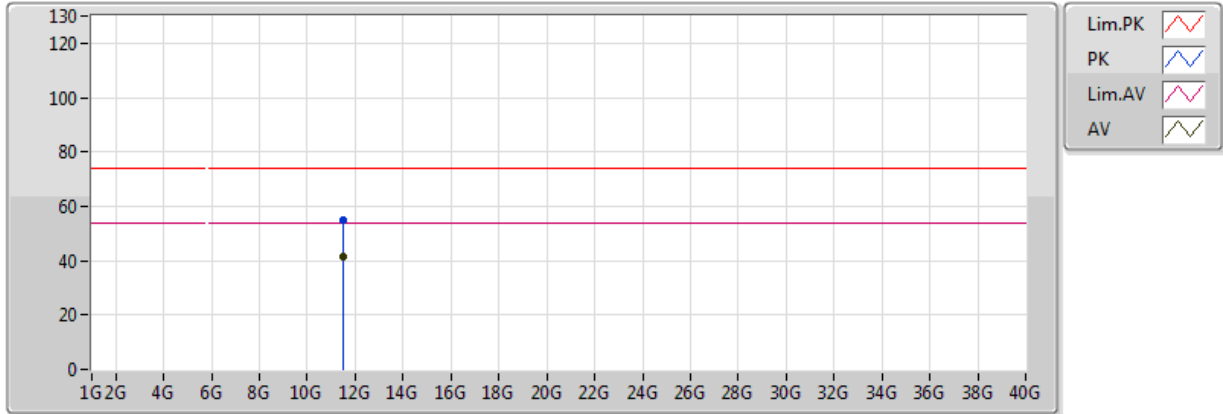


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7382G	92.74	Inf	-Inf	7.81	3	Horizontal	157	1.48	-	84.93	32.39	5.29	29.87
PK	5.6482G	63.67	68.20	-4.53	7.61	3	Horizontal	157	1.48	-	56.06	32.28	5.17	29.84
PK	5.7382G	101.28	Inf	-Inf	7.81	3	Horizontal	157	1.48	-	93.47	32.39	5.29	29.87
PK	5.9878G	59.16	68.20	-9.04	8.36	3	Horizontal	157	1.48	-	50.79	32.69	5.61	29.94

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

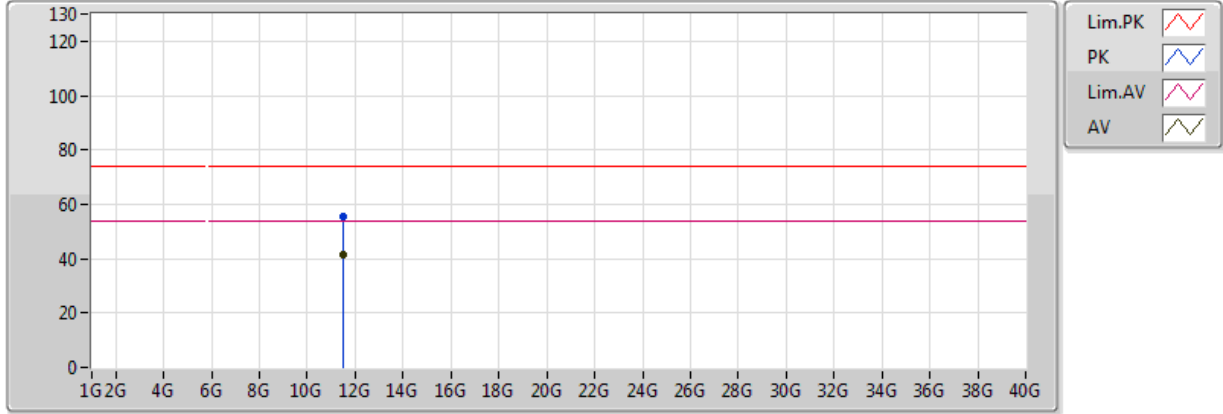


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5053G	41.70	54.00	-12.30	15.76	3	Vertical	221	1.05	-	25.94	39.39	7.48	31.11
PK	11.5177G	54.82	74.00	-19.18	15.75	3	Vertical	221	1.05	-	39.07	39.38	7.48	31.11

802.11n HT40_Nss1,(MCS0)_2TX

5755MHz_TX

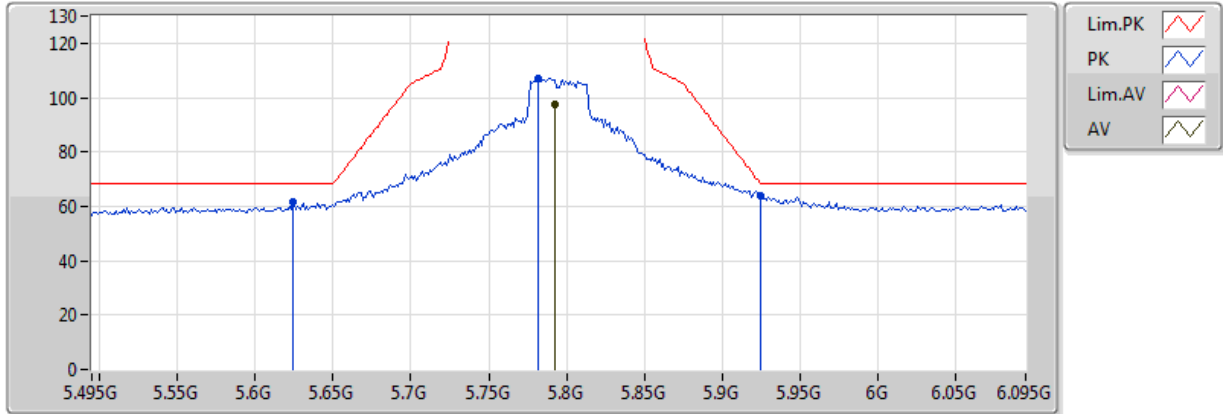


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5106G	41.73	54.00	-12.27	15.76	3	Horizontal	55	2.19	-	25.97	39.39	7.48	31.11
PK	11.4875G	55.71	74.00	-18.29	15.77	3	Horizontal	55	2.19	-	39.94	39.41	7.47	31.11

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

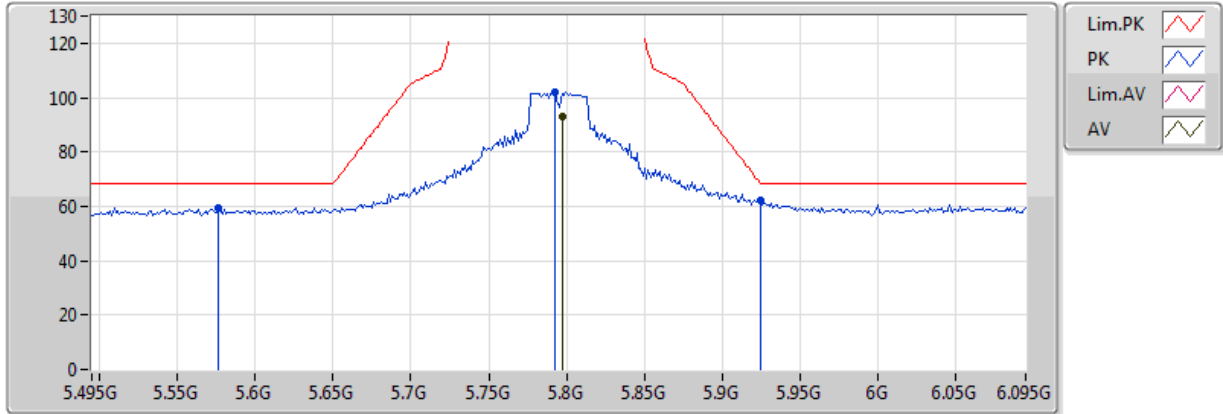


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7926G	97.59	Inf	-Inf	7.93	3	Vertical	19	1.04	-	89.66	32.45	5.36	29.88
PK	5.6246G	61.69	68.20	-6.51	7.55	3	Vertical	19	1.04	-	54.14	32.25	5.14	29.84
PK	5.7818G	107.19	Inf	-Inf	7.91	3	Vertical	19	1.04	-	99.28	32.44	5.35	29.88
PK	5.9246G	64.00	68.50	-4.50	8.22	3	Vertical	19	1.04	-	55.78	32.61	5.53	29.92

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

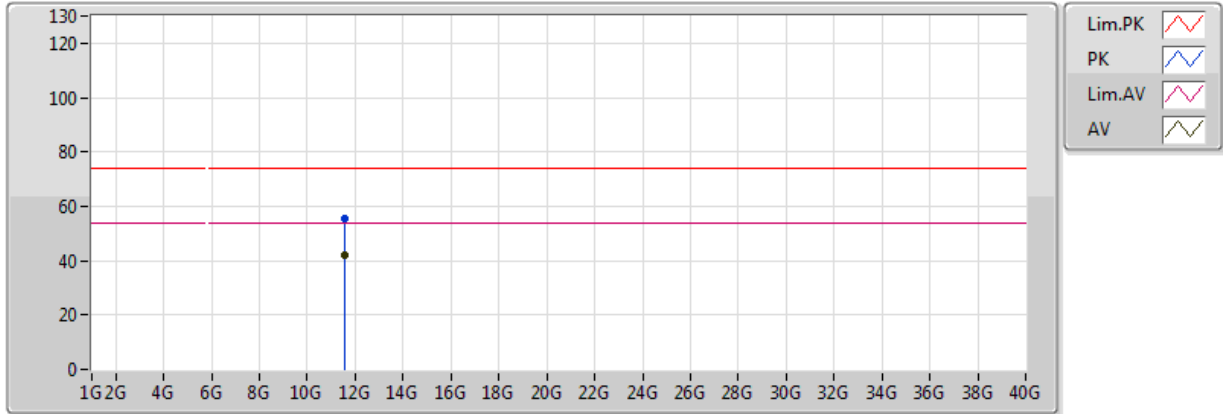


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7974G	93.07	Inf	-Inf	7.94	3	Horizontal	175	1.57	-	85.13	32.46	5.37	29.88
PK	5.5766G	59.51	68.20	-8.69	7.45	3	Horizontal	175	1.57	-	52.06	32.19	5.08	29.82
PK	5.7926G	102.13	Inf	-Inf	7.93	3	Horizontal	175	1.57	-	94.20	32.45	5.36	29.88
PK	5.9246G	62.23	68.50	-6.26	8.22	3	Horizontal	175	1.57	-	54.01	32.61	5.53	29.92

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX

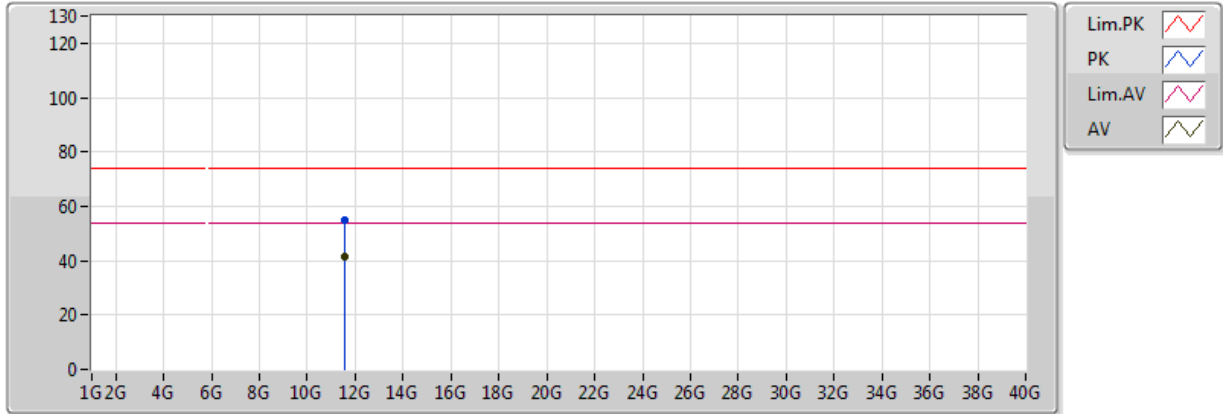


EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5905G	41.98	54.00	-12.02	15.70	3	Vertical	27	2.09	-	26.28	39.29	7.50	31.10
PK	11.5853G	55.63	74.00	-18.37	15.70	3	Vertical	27	2.09	-	39.93	39.30	7.50	31.10

802.11n HT40_Nss1,(MCS0)_2TX

5795MHz_TX



EUT = Y

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.5903G	41.43	54.00	-12.57	15.70	3	Horizontal	69	1.95	-	25.74	39.29	7.50	31.10
PK	11.5806G	54.84	74.00	-19.16	15.70	3	Horizontal	69	1.95	-	39.13	39.30	7.50	31.10



Summary

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
5.725-5.85GHz	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	5.8G	5.74508492G	14.782	20	2	5.8G



Result

Mode	Result	Ch (Hz)	Center (Hz)	ppm	Limit (ppm)	Port	Remark
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5745MHz_0°C	Pass	5.8G	5.74505385G	9.374	20	2	0 min
5745MHz_0°C	Pass	5.8G	5.74505178G	9.013	20	2	2 min
5745MHz_0°C	Pass	5.8G	5.74505592G	9.734	20	2	5 min
5745MHz_0°C	Pass	5.8G	5.74504971G	8.653	20	2	10 min
5745MHz_10°C	Pass	5.8G	5.74505800G	10.095	20	2	0 min
5745MHz_10°C	Pass	5.8G	5.74506006G	10.455	20	2	2 min
5745MHz_10°C	Pass	5.8G	5.74506006G	10.455	20	2	5 min
5745MHz_10°C	Pass	5.8G	5.74506628G	11.537	20	2	10 min
5745MHz_20°C	Pass	5.8G	5.74507664G	13.34	20	2	0 min
5745MHz_20°C	Pass	5.8G	5.74507250G	12.619	20	2	2 min
5745MHz_20°C	Pass	5.8G	5.74506835G	11.898	20	2	5 min
5745MHz_20°C	Pass	5.8G	5.74505800G	10.095	20	2	10 min
5745MHz_30°C	Pass	5.8G	5.74507042G	12.258	20	2	0 min
5745MHz_30°C	Pass	5.8G	5.74507456G	12.979	20	2	2 min
5745MHz_30°C	Pass	5.8G	5.74507664G	13.34	20	2	5 min
5745MHz_30°C	Pass	5.8G	5.74507871G	13.7	20	2	10 min
5745MHz_40°C	Pass	5.8G	5.74507871G	13.7	20	2	0 min
5745MHz_40°C	Pass	5.8G	5.74508078G	14.061	20	2	2 min
5745MHz_40°C	Pass	5.8G	5.74508285G	14.421	20	2	5 min
5745MHz_40°C	Pass	5.8G	5.74508492G	14.782	20	2	10 min
5745MHz_108V	Pass	5.8G	5.74507042G	12.258	20	2	0 min
5745MHz_108V	Pass	5.8G	5.74507250G	12.619	20	2	2 min
5745MHz_108V	Pass	5.8G	5.74506835G	11.898	20	2	5 min
5745MHz_108V	Pass	5.8G	5.74506628G	11.537	20	2	10 min
5745MHz_120V	Pass	5.8G	5.74507250G	12.619	20	2	0 min
5745MHz_120V	Pass	5.8G	5.74507042G	12.258	20	2	2 min
5745MHz_120V	Pass	5.8G	5.74506835G	11.898	20	2	5 min
5745MHz_120V	Pass	5.8G	5.74505800G	10.095	20	2	10 min
5745MHz_132V	Pass	5.8G	5.74506006G	10.455	20	2	0 min
5745MHz_132V	Pass	5.8G	5.74506835G	11.898	20	2	2 min
5745MHz_132V	Pass	5.8G	5.74507042G	12.258	20	2	5 min
5745MHz_132V	Pass	5.8G	5.74507456G	12.979	20	2	10 min